

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012723\
 Data File : BF132206.D
 Acq On : 27 Jan 2023 19:23
 Operator : CG\JU
 Sample : N3980-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022

Quant Time: Jan 28 04:01:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 28 02:25:45 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 01/30/2023
 Supervised By : Jagrut Upadhyay 01/30/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.078	152	218552	20.000	ng	0.00
21) Naphthalene-d8	8.366	136	793749	20.000	ng	0.00
39) Acenaphthene-d10	10.130	164	423695	20.000	ng	0.00
64) Phenanthrene-d10	11.630	188	790863	20.000	ng	0.00
76) Chrysene-d12	14.289	240	486728	20.000	ng	0.00
86) Perylene-d12	15.877	264	385271	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.695	112	1376617	104.801	ng	0.00
7) Phenol-d6	6.695	99	1705885	103.574	ng	0.00
23) Nitrobenzene-d5	7.642	82	1063138	70.121	ng	0.00
42) 2,4,6-Tribromophenol	10.925	330	458659	116.905	ng	0.00
45) 2-Fluorobiphenyl	9.442	172	1902284	66.064	ng	0.00
79) Terphenyl-d14	13.224	244	2103494	67.899	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.019	88	25188	3.810	ng	98
3) Pyridine	3.819	79	55007	3.029	ng	98
4) n-Nitrosodimethylamine	3.719	42	19643	3.232	ng	# 88
6) Aniline	6.742	93	86481m	3.750	ng	
8) 2-Chlorophenol	6.860	128	54672	4.151	ng	97
9) Benzaldehyde	6.631	77	46719	3.799	ng	96
10) Phenol	6.701	94	70409	4.106	ng	96
11) bis(2-Chloroethyl)ether	6.807	93	58020	3.923	ng	96
12) 1,3-Dichlorobenzene	7.019	146	63750	4.354	ng	99
13) 1,4-Dichlorobenzene	7.095	146	63139	4.325	ng	97
14) 1,2-Dichlorobenzene	7.248	146	59747	4.406	ng	98
15) Benzyl Alcohol	7.207	79	59314m	4.901	ng	
16) 2,2'-oxybis(1-Chloropr...	7.342	45	66562	3.963	ng	100
17) 2-Methylphenol	7.307	107	45787	3.823	ng	96
18) Hexachloroethane	7.595	117	22216	4.142	ng	93
19) n-Nitroso-di-n-propyla...	7.472	70	38761	3.910	ng	96
20) 3+4-Methylphenols	7.460	107	57730	3.836	ng	88
22) Acetophenone	7.478	105	84141	4.335	ng	98
24) Nitrobenzene	7.660	77	62204	3.968	ng	92
25) Isophorone	7.889	82	106945	3.668	ng	97
26) 2-Nitrophenol	7.972	139	21638	5.663	ng	94
27) 2,4-Dimethylphenol	7.995	122	46024	3.775	ng	97
28) bis(2-Chloroethoxy)met...	8.095	93	70725	3.940	ng	96
29) 2,4-Dichlorophenol	8.207	162	43967	3.862	ng	99
30) 1,2,4-Trichlorobenzene	8.301	180	53089	4.059	ng	97
31) Naphthalene	8.383	128	167967	4.277	ng	99
32) Benzoic acid	8.031	122	12065	8.550	ng	97
33) 4-Chloroaniline	8.425	127	67283	3.952	ng	97
34) Hexachlorobutadiene	8.501	225	33280	4.073	ng	96
35) Caprolactam	8.748	113	11576	3.591	ng	98
36) 4-Chloro-3-methylphenol	8.889	107	42878	3.678	ng	99
37) 2-Methylnaphthalene	9.078	142	109944	4.080	ng	100
38) 1-Methylnaphthalene	9.178	142	104302	4.173	ng	99
40) 1,2,4,5-Tetrachloroben...	9.242	216	56070	3.943	ng	98
41) Hexachlorocyclopentadiene	9.230	237	25628	3.548	ng	96
43) 2,4,6-Trichlorophenol	9.348	196	31224	3.599	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.383	196	34571	3.403	ng	97
46) 1,1'-Biphenyl	9.542	154	139743	4.280	ng	99
47) 2-Chloronaphthalene	9.572	162	107187	4.229	ng	94
48) 2-Nitroaniline	9.660	65	21696	3.188	ng	# 83
49) Acenaphthylene	9.989	152	157674	4.004	ng	98
50) Dimethylphthalate	9.830	163	115518	4.017	ng	98
51) 2,6-Dinitrotoluene	9.895	165	22354	3.659	ng	95
52) Acenaphthene	10.160	154	96519	3.987	ng	95
53) 3-Nitroaniline	10.066	138	22995	3.402	ng	97
54) 2,4-Dinitrophenol	10.172	184	4039	7.953	ng	# 1
55) Dibenzofuran	10.336	168	150625	4.153	ng	92
56) 4-Nitrophenol	10.207	139	13210	2.705	ng	98
57) 2,4-Dinitrotoluene	10.301	165	25055	3.332	ng	90
58) Fluorene	10.677	166	116191	4.194	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.448	232	24485	3.392	ng	99
60) Diethylphthalate	10.536	149	109307	3.900	ng	98
61) 4-Chlorophenyl-phenyle...	10.672	204	59298	4.058	ng	# 87
62) 4-Nitroaniline	10.677	138	21216	3.345	ng	89
63) Azobenzene	10.830	77	110813	3.746	ng	98
65) 4,6-Dinitro-2-methylph...	10.707	198	7253	6.897	ng	94
66) n-Nitrosodiphenylamine	10.783	169	96528	3.887	ng	99
67) 4-Bromophenyl-phenylether	11.166	248	33474	3.677	ng	98
68) Hexachlorobenzene	11.230	284	36880	4.088	ng	91
69) Atrazine	11.301	200	28630	4.017	ng	97
71) Phenanthrene	11.648	178	165741	4.120	ng	97
72) Anthracene	11.701	178	162831	3.974	ng	98
73) Carbazole	11.854	167	139578	3.966	ng	97
74) Di-n-butylphthalate	12.177	149	146508	3.659	ng	98
75) Fluoranthene	12.848	202	160177	3.913	ng	97
77) Benzidine	12.966	184	43287	3.407	ng	94
78) Pyrene	13.083	202	167027	3.663	ng	97
80) Butylbenzylphthalate	13.695	149	41350	4.342	ng	89
81) Benzo(a)anthracene	14.277	228	125280	3.661	ng	96
82) 3,3'-Dichlorobenzidine	14.236	252	30259	3.263	ng	100
83) Chrysene	14.313	228	120903	3.791	ng	97
84) Bis(2-ethylhexyl)phtha...	14.254	149	57633	3.590	ng	99
85) Di-n-octyl phthalate	14.889	149	59629	7.063	ng	99
87) Indeno(1,2,3-cd)pyrene	17.518	276	67536	2.651	ng	99
88) Benzo(b)fluoranthene	15.395	252	86268	3.646	ng	100
89) Benzo(k)fluoranthene	15.430	252	92383	3.784	ng	97
90) Benzo(a)pyrene	15.807	252	70531	3.158	ng	97
91) Dibenzo(a,h)anthracene	17.548	278	58783	2.823	ng	97
92) Benzo(g,h,i)perylene	18.024	276	59238	2.790	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

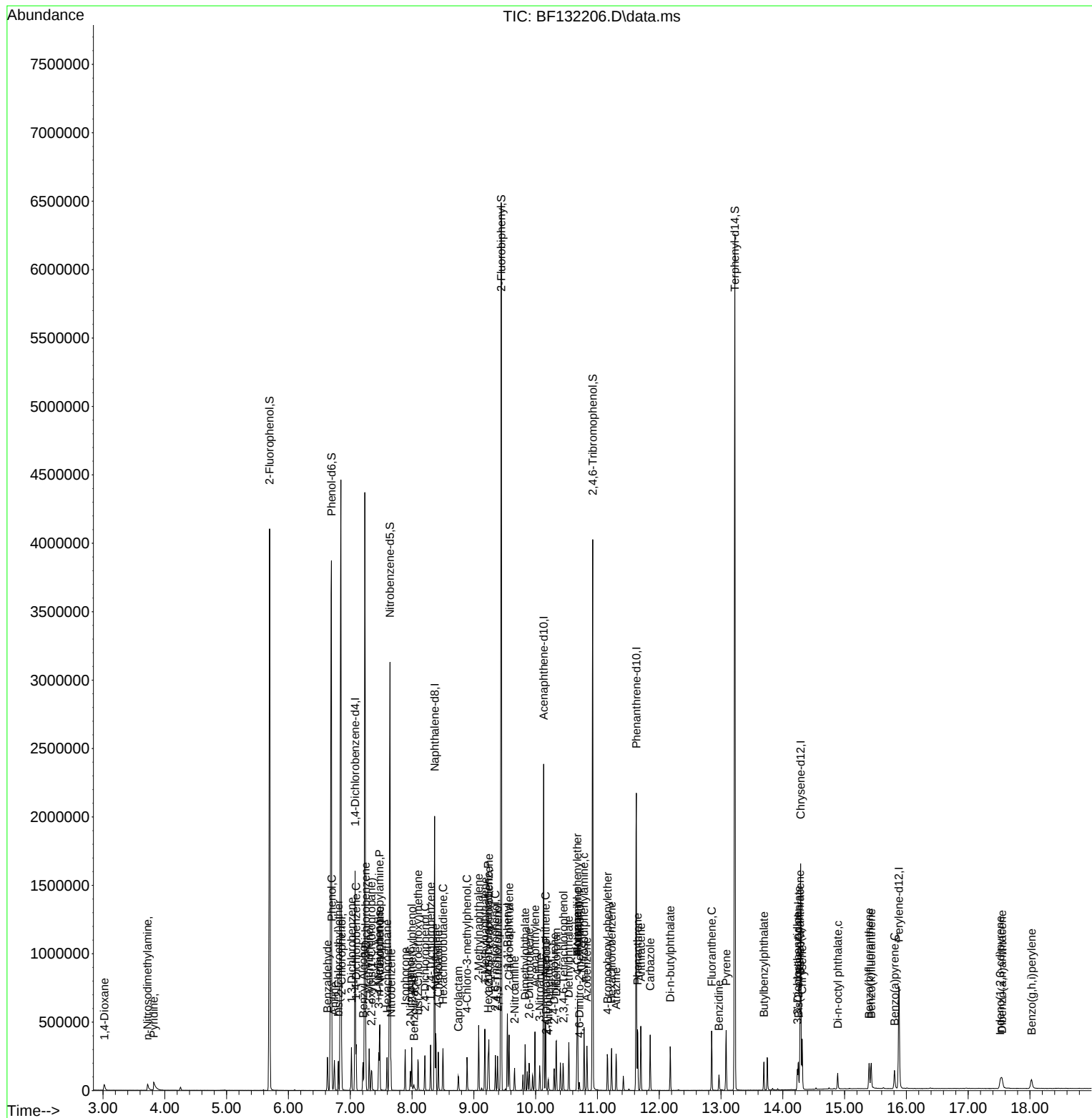
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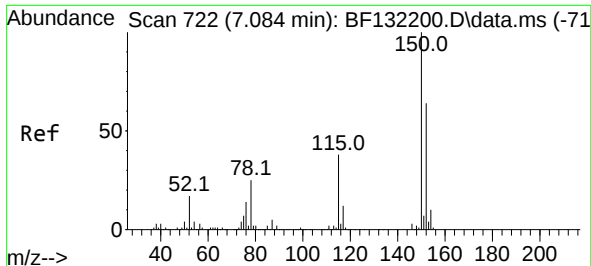
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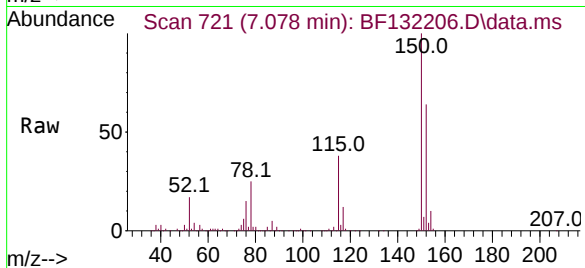
Reviewed By : Christian Giraldo 01/30/2023
 Supervised By : Jagrut Upadhyay 01/30/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.078 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

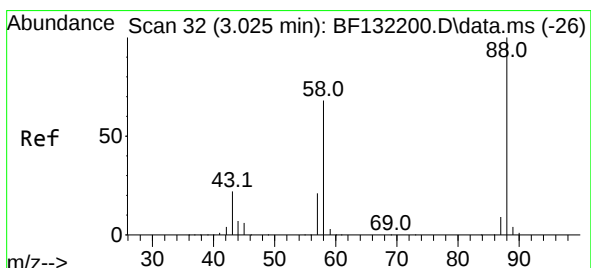
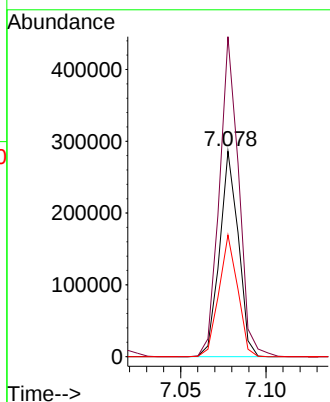
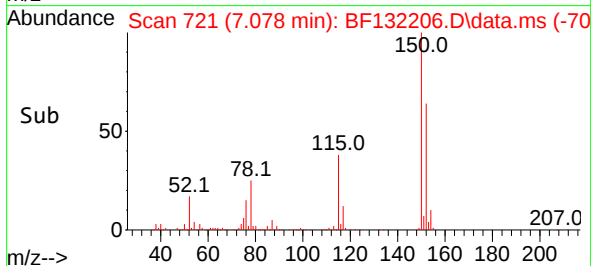
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:152 Resp: 218552
Ion Ratio Lower Upper
152 100
150 155.8 124.5 186.7
115 59.2 47.0 70.6

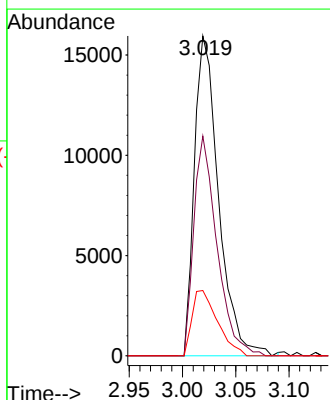
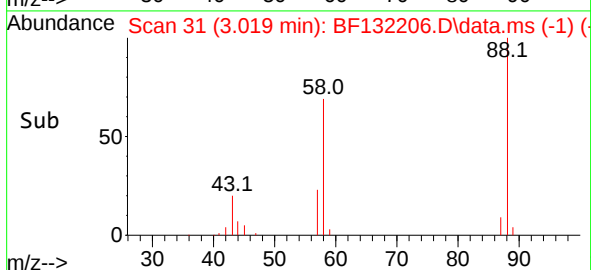
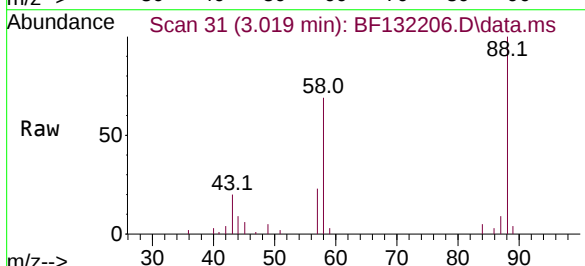
Manual Integrations
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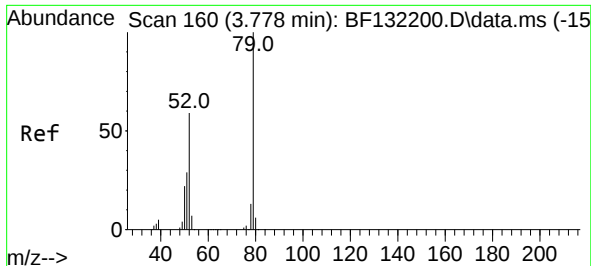
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023



#2
1,4-Dioxane
Concen: 3.810 ng
RT: 3.019 min Scan# 31
Delta R.T. -0.006 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

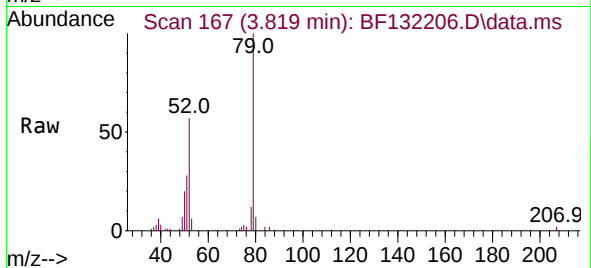
Tgt Ion: 88 Resp: 25188
Ion Ratio Lower Upper
88 100
58 65.6 54.1 81.1
43 21.5 18.0 27.0





#3
Pyridine
Concen: 3.029 ng
RT: 3.819 min Scan# 110
Delta R.T. 0.041 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

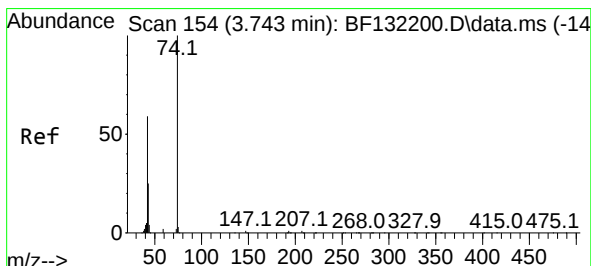
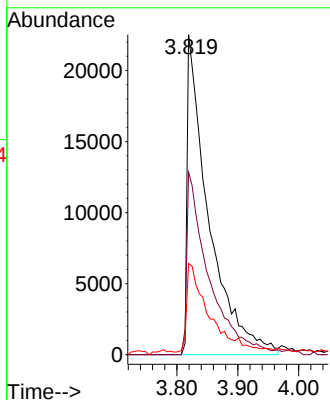
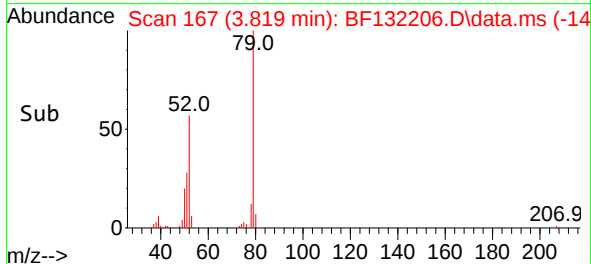
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion: 79 Resp: 5500
Ion Ratio Lower Upper
79 100
52 57.0 46.8 70.2
51 28.5 23.0 34.6

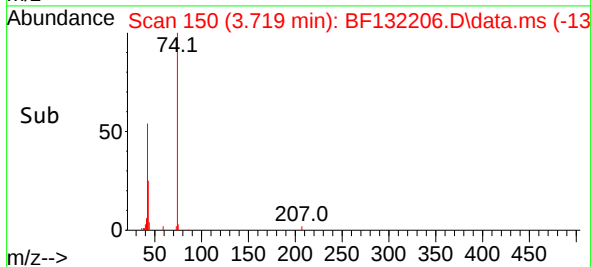
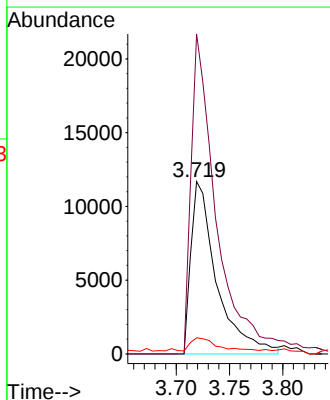
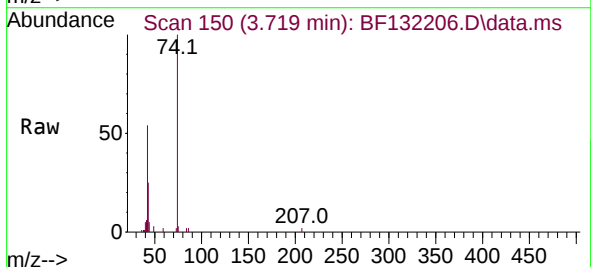
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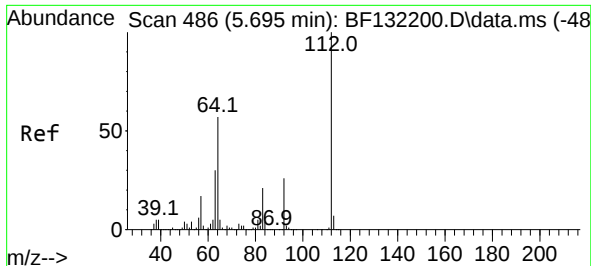
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023



#4
n-Nitrosodimethylamine
Concen: 3.232 ng
RT: 3.719 min Scan# 150
Delta R.T. -0.024 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

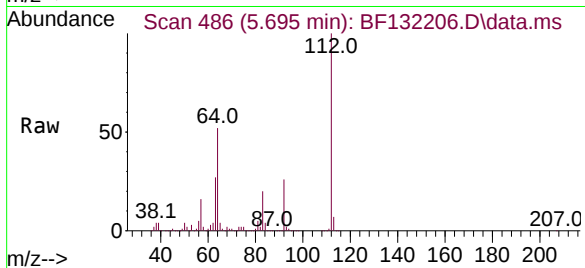
Tgt Ion: 42 Resp: 19643
Ion Ratio Lower Upper
42 100
74 185.6 135.3 202.9
44 9.3 5.1 7.7#





#5
2-Fluorophenol
Concen: 104.801 ng
RT: 5.695 min Scan# 486
Delta R.T. -0.000 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

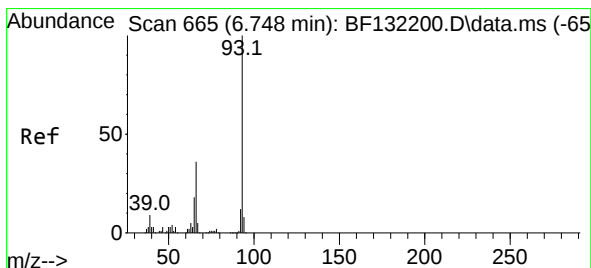
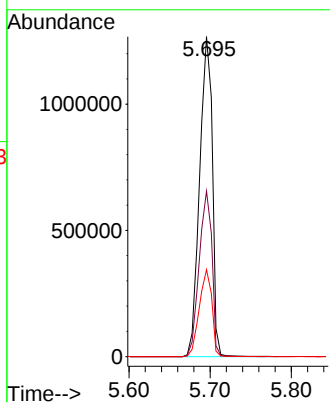
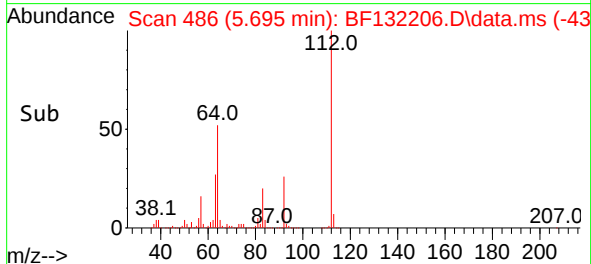
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 112 Resp: 1376617
Ion Ratio Lower Upper
112 100
64 51.7 45.5 68.3
63 27.2 23.7 35.5

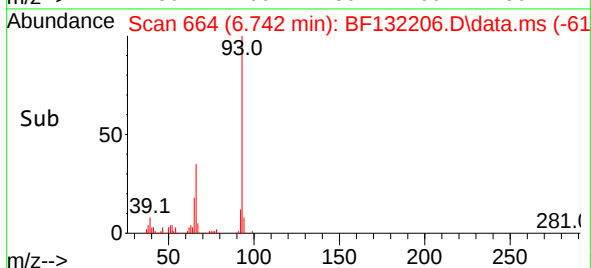
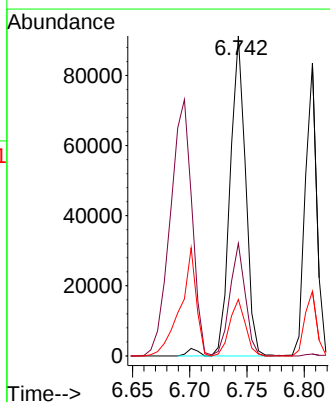
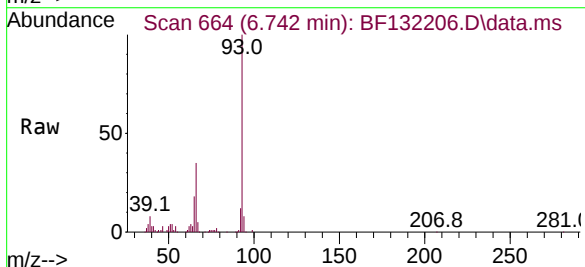
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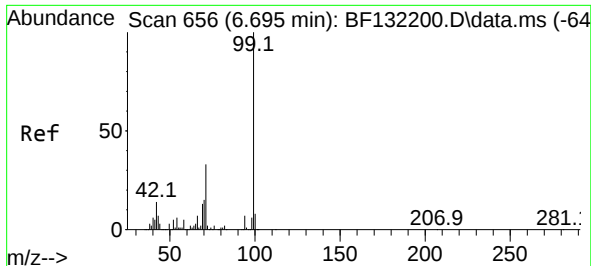
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023



#6
Aniline
Concen: 3.750 ng m
RT: 6.742 min Scan# 664
Delta R.T. -0.006 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

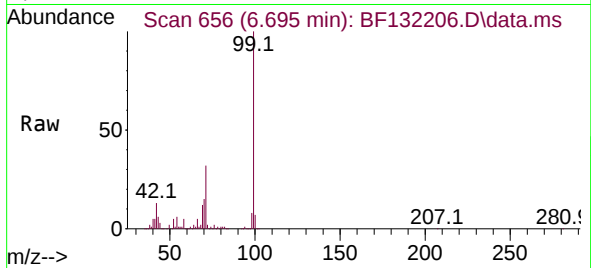
Tgt Ion: 93 Resp: 86481
Ion Ratio Lower Upper
93 100
66 35.2 28.7 43.1
65 17.6 14.7 22.1





#7
Phenol-d6
Concen: 103.574 ng
RT: 6.695 min Scan# 61
Delta R.T. 0.000 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

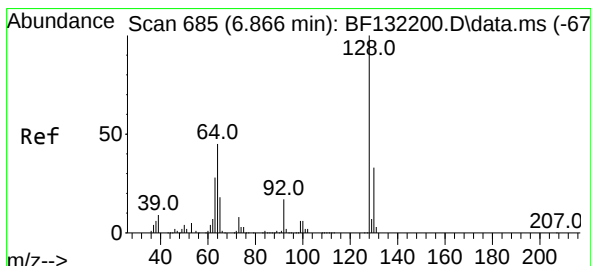
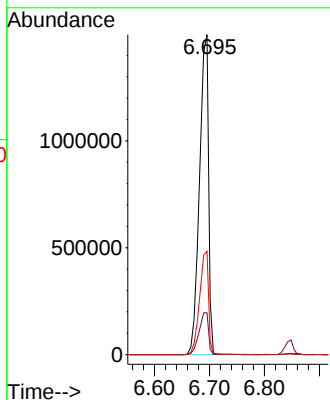
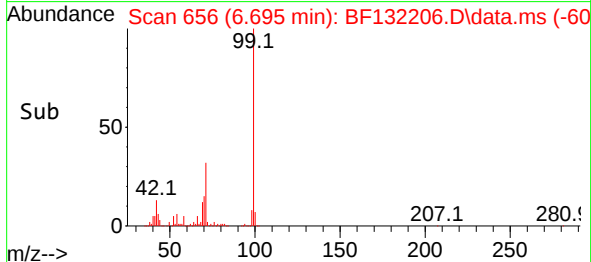
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 1705885
Ion Ratio Lower Upper
99 100
42 13.1 11.3 16.9
71 32.3 26.3 39.5

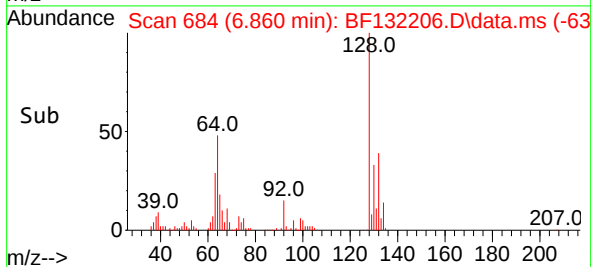
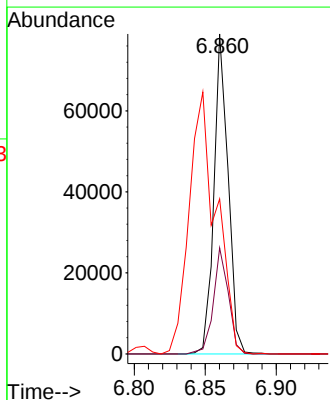
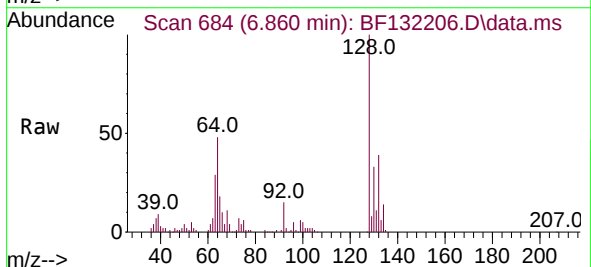
Manual Integrations
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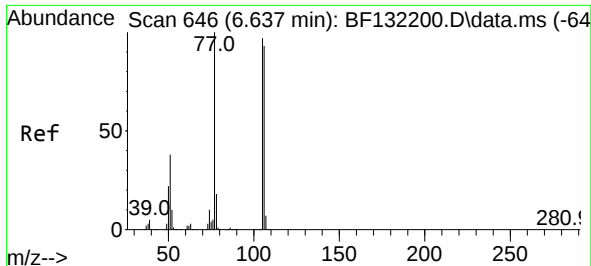
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023



#8
2-Chlorophenol
Concen: 4.151 ng
RT: 6.860 min Scan# 684
Delta R.T. -0.006 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

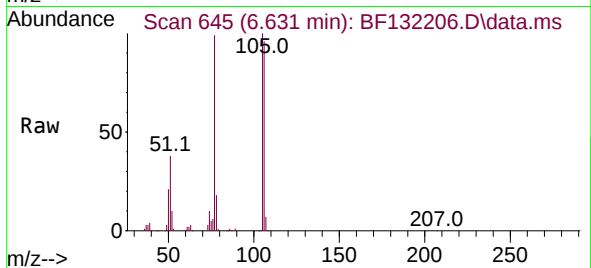
Tgt Ion:128 Resp: 54672
Ion Ratio Lower Upper
128 100
130 33.1 12.8 52.8
64 48.4 25.7 65.7





#9
Benzaldehyde
Concen: 3.799 ng
RT: 6.631 min Scan# 646
Delta R.T. -0.006 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

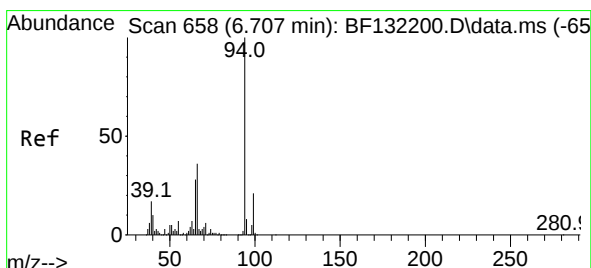
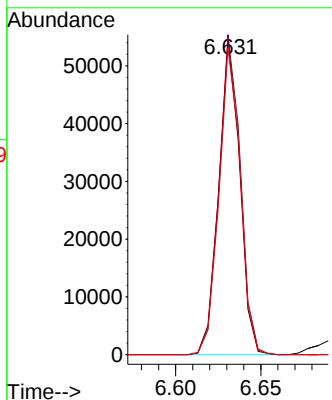
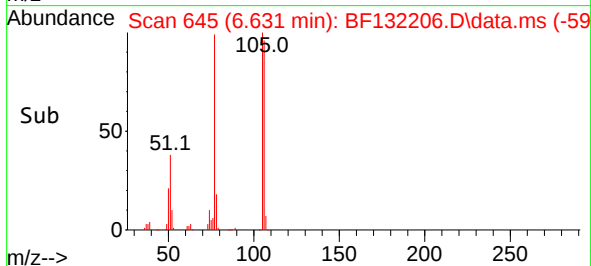
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ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



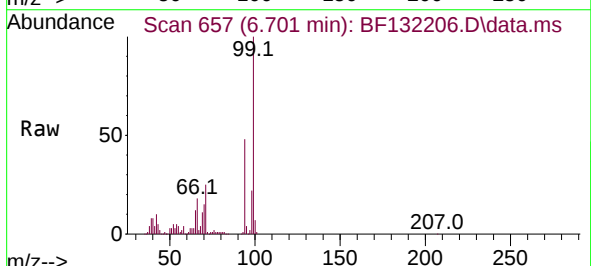
Tgt Ion: 77 Resp: 46719
Ion Ratio Lower Upper
77 100
105 101.5 77.0 117.0
106 97.1 73.2 113.2

Manual Integrations
APPROVED

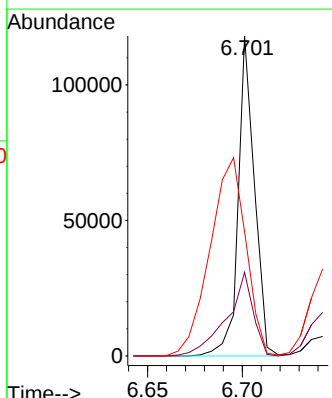
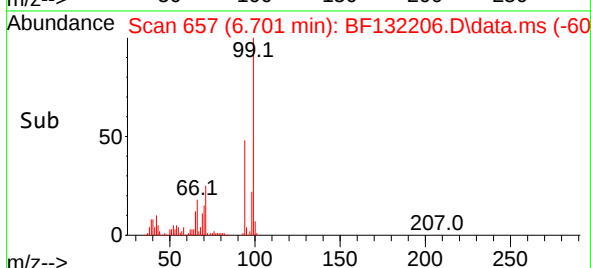
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023

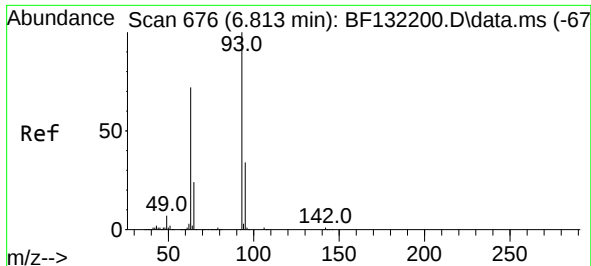


#10
Phenol
Concen: 4.106 ng
RT: 6.701 min Scan# 657
Delta R.T. -0.006 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23



Tgt Ion: 94 Resp: 70409
Ion Ratio Lower Upper
94 100
65 26.1 7.6 47.6
66 38.8 16.3 56.3





#11

bis(2-Chloroethyl)ether

Concen: 3.923 ng

RT: 6.807 min Scan# 61

Delta R.T. -0.006 min

Lab File: BF132206.D

Acq: 27 Jan 2023 19:23

Instrument :

BNA_F

ClientSampleId :

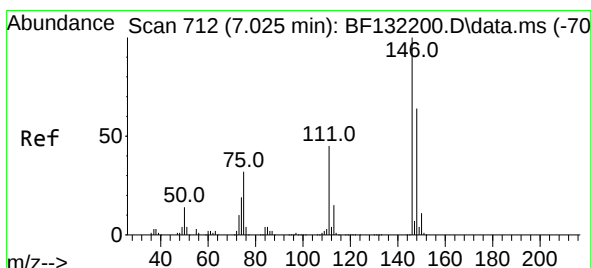
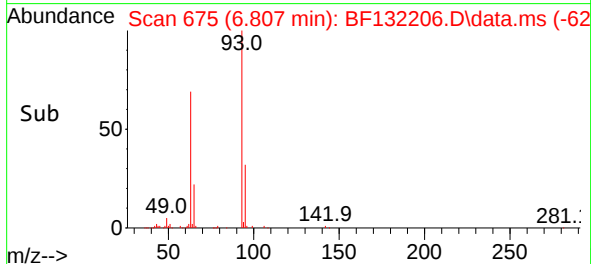
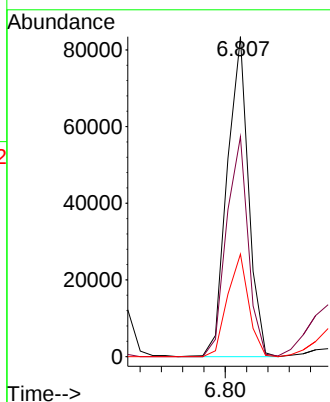
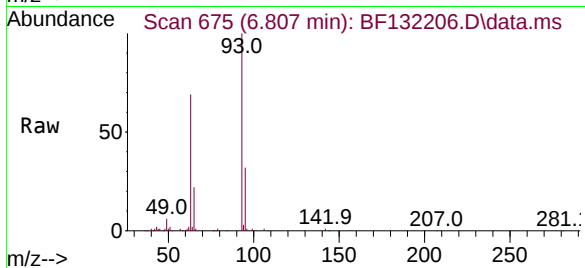
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion: 93	Resp: 58020
Ion Ratio	Lower Upper
93 100	
63 68.7	52.2 92.2
95 32.0	13.8 53.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023



#12

1,3-Dichlorobenzene

Concen: 4.354 ng

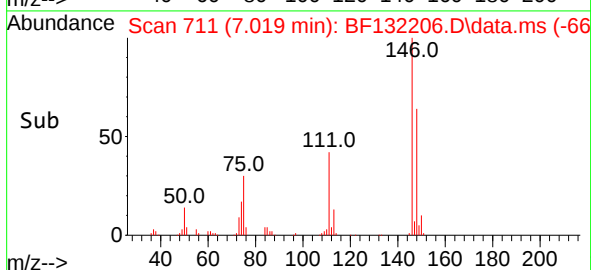
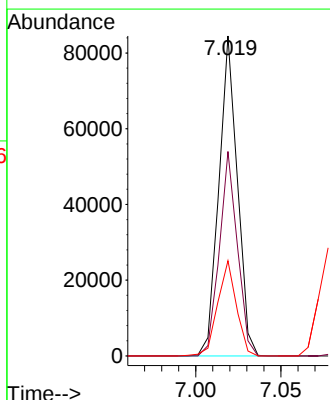
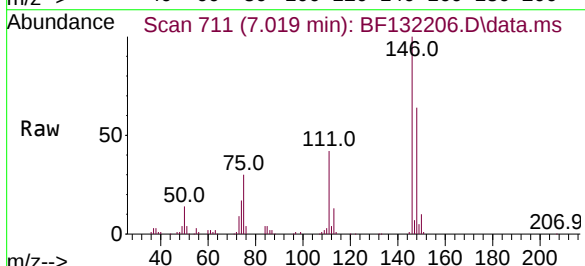
RT: 7.019 min Scan# 711

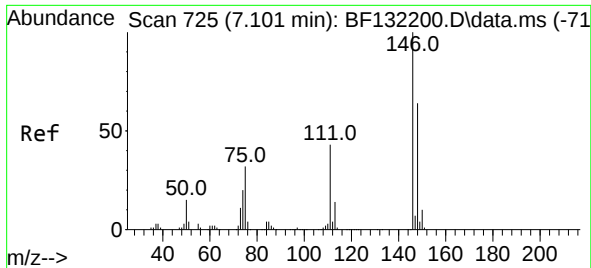
Delta R.T. -0.006 min

Lab File: BF132206.D

Acq: 27 Jan 2023 19:23

Tgt Ion:146	Resp: 63750
Ion Ratio	Lower Upper
146 100	
148 63.9	51.3 76.9
75 29.7	25.4 38.2





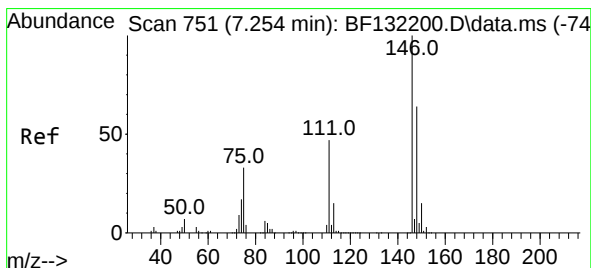
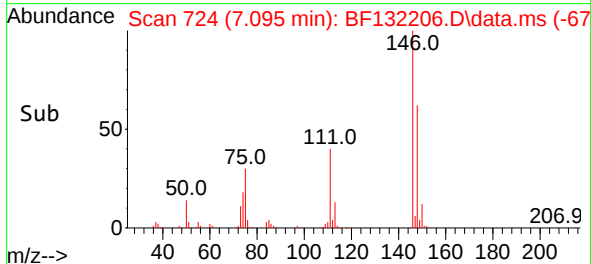
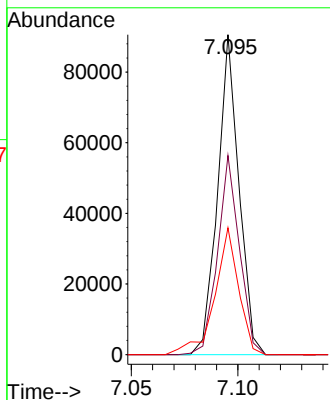
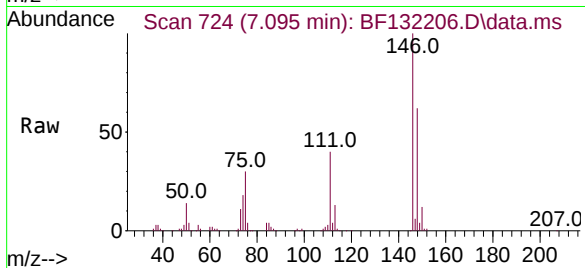
#13
1,4-Dichlorobenzene
Concen: 4.325 ng
RT: 7.095 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:146 Resp: 63139
Ion Ratio Lower Upper
146 100
148 62.2 50.9 76.3
111 39.6 34.2 51.4

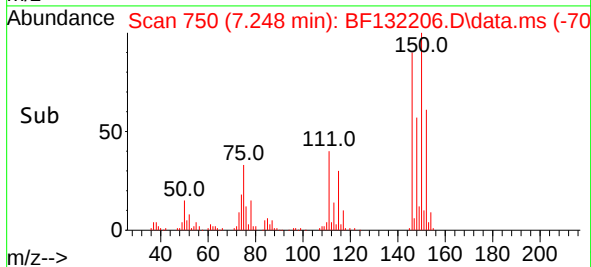
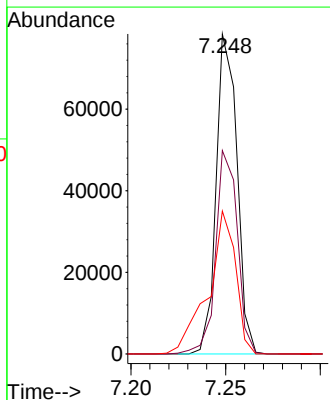
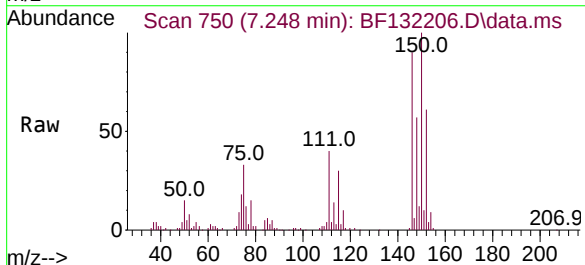
Manual Integrations
APPROVED

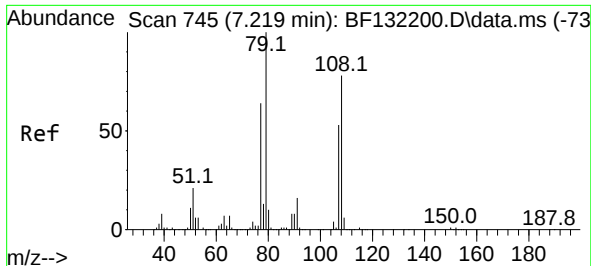
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023



#14
1,2-Dichlorobenzene
Concen: 4.406 ng
RT: 7.248 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

Tgt Ion:146 Resp: 59747
Ion Ratio Lower Upper
146 100
148 63.5 51.5 77.3
111 44.6 37.5 56.3





#15

Benzyl Alcohol

Concen: 4.901 ng m

RT: 7.207 min Scan# 74

Delta R.T. -0.012 min

Lab File: BF132206.D

Acq: 27 Jan 2023 19:23

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

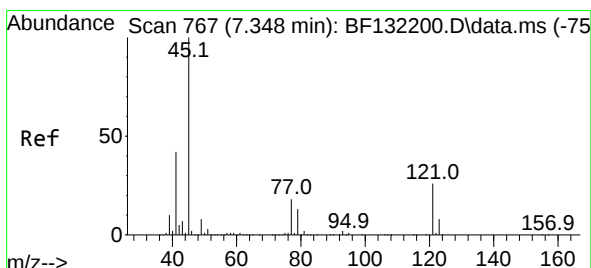
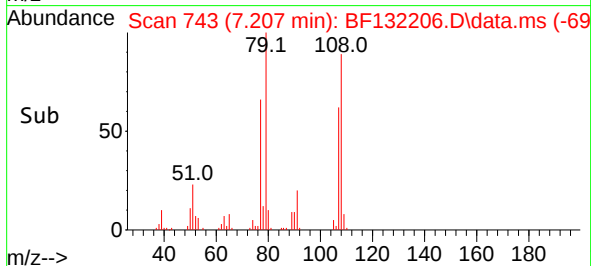
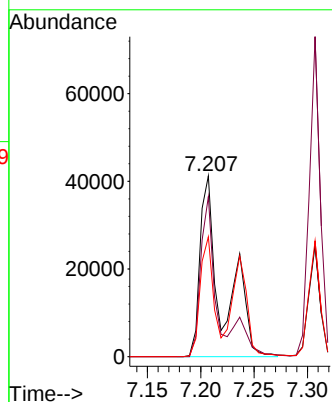
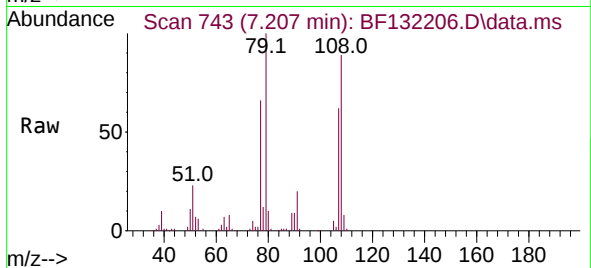
Tgt Ion: 79 Resp: 59314

Ion	Ratio	Lower	Upper
79	100		
108	88.5	62.2	93.4
77	66.3	51.5	77.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023



#16

2,2'-oxybis(1-Chloropropane)

Concen: 3.963 ng

RT: 7.342 min Scan# 766

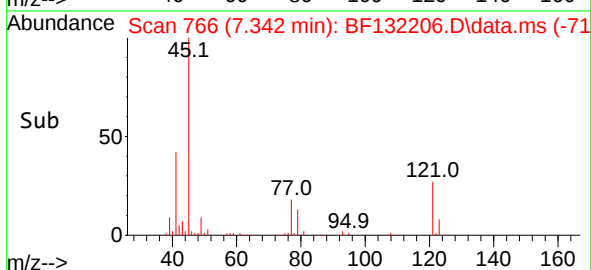
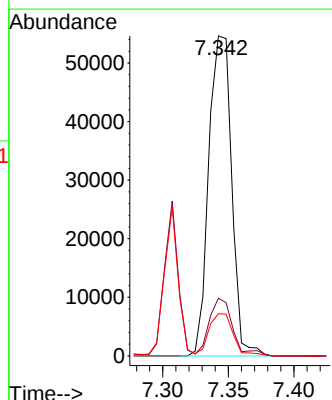
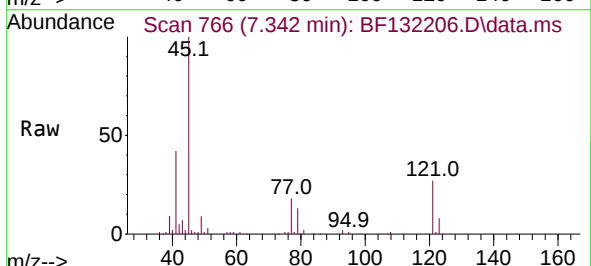
Delta R.T. -0.006 min

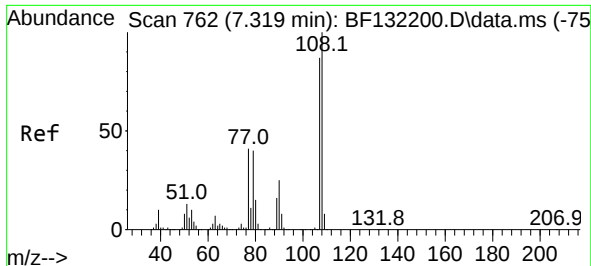
Lab File: BF132206.D

Acq: 27 Jan 2023 19:23

Tgt Ion: 45 Resp: 66562

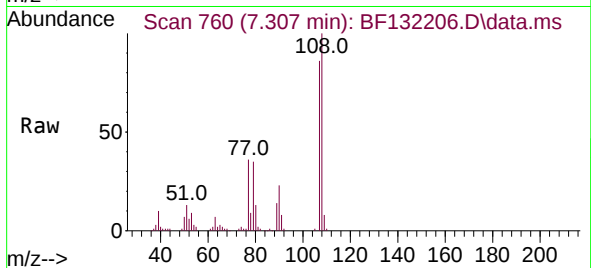
Ion	Ratio	Lower	Upper
45	100		
77	18.0	0.0	38.0
79	13.2	0.0	32.9





#17
2-Methylphenol
Concen: 3.823 ng
RT: 7.307 min Scan# 760
Delta R.T. -0.012 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

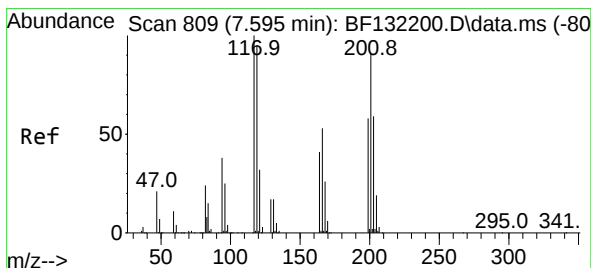
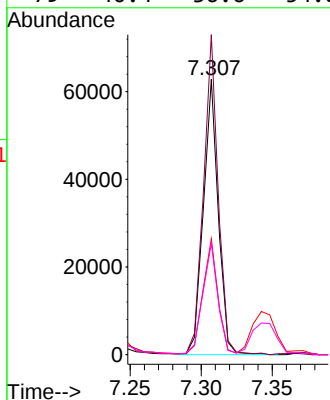
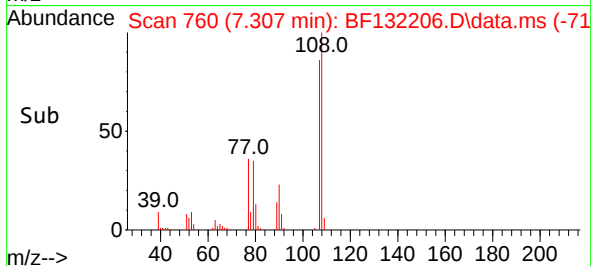
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:107 Resp: 4578
Ion Ratio Lower Upper
107 100
108 116.2 92.2 138.4
77 42.0 37.5 56.3
79 40.4 36.6 54.8

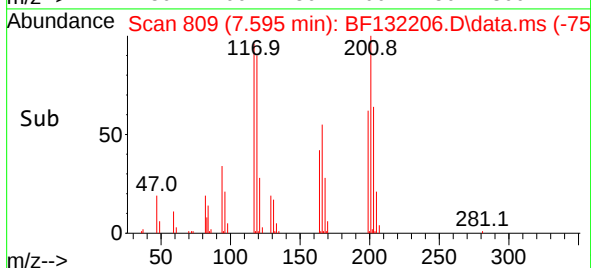
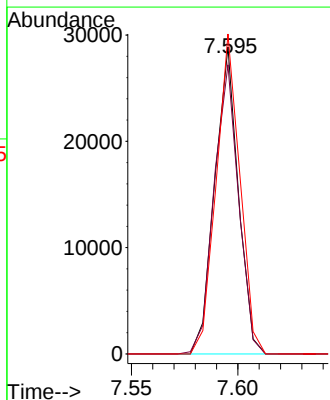
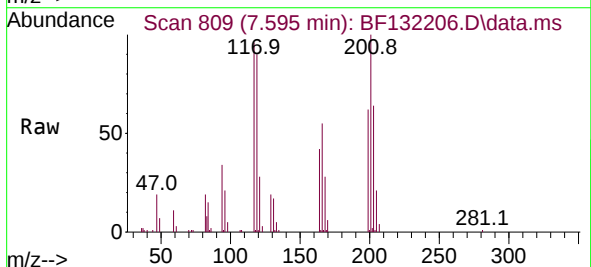
Manual Integrations
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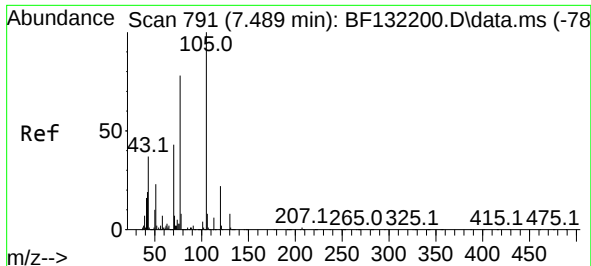
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023



#18
Hexachloroethane
Concen: 4.142 ng
RT: 7.595 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

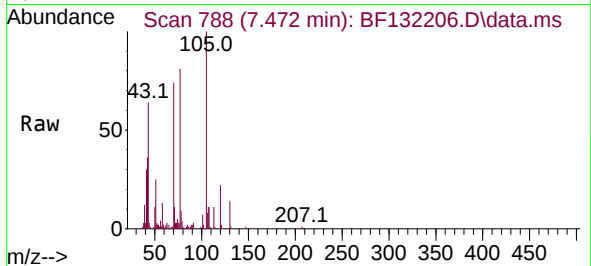
Tgt Ion:117 Resp: 22216
Ion Ratio Lower Upper
117 100
119 94.2 76.0 114.0
201 104.2 72.9 109.3





#19
n-Nitroso-di-n-propylamine
Concen: 3.910 ng
RT: 7.472 min Scan# 788
Delta R.T. -0.018 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

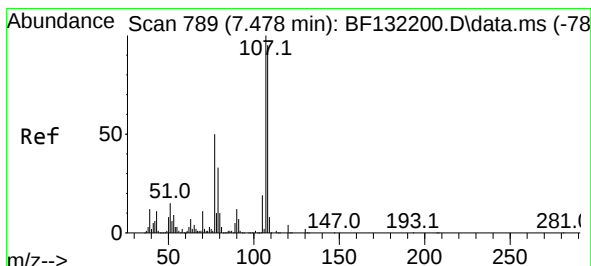
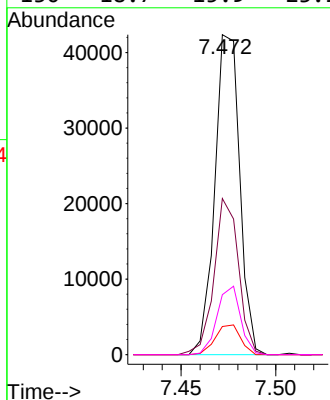
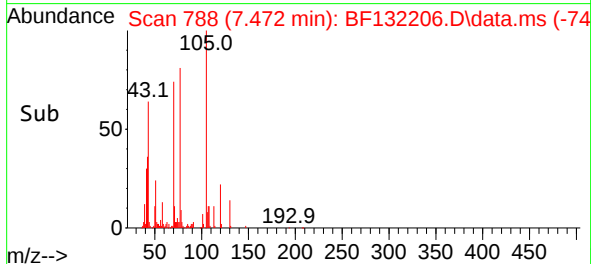
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



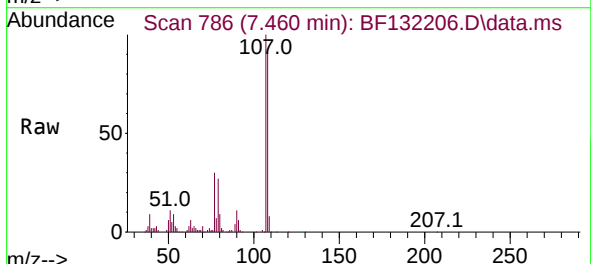
Tgt Ion: 70 Resp: 3876
Ion Ratio Lower Upper
70 100
42 48.8 36.2 54.4
101 8.8 7.9 11.9
130 18.7 15.9 23.9

Manual Integrations
APPROVED

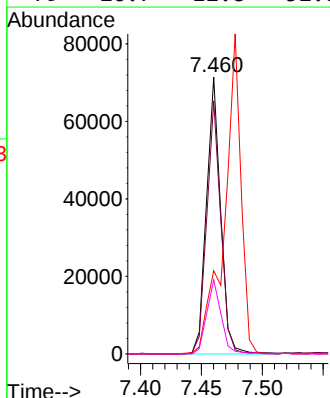
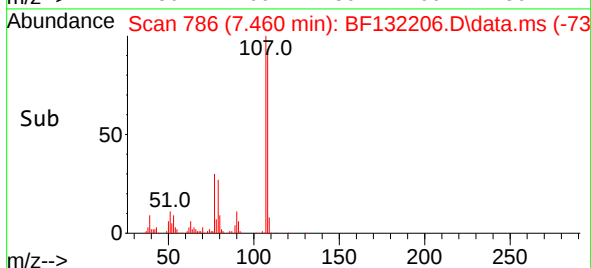
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023

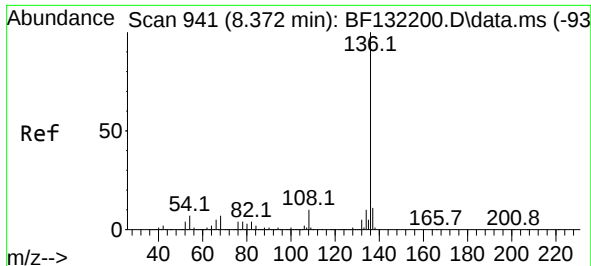


#20
3+4-Methylphenols
Concen: 3.836 ng
RT: 7.460 min Scan# 786
Delta R.T. -0.018 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23



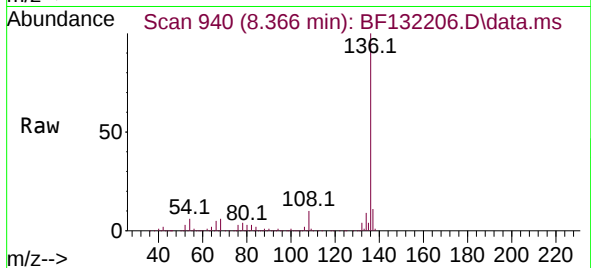
Tgt Ion: 107 Resp: 57730
Ion Ratio Lower Upper
107 100
108 91.4 75.1 115.1
77 30.0 29.6 69.6
79 26.7 12.8 52.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.366 min Scan# 941
Delta R.T. -0.006 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

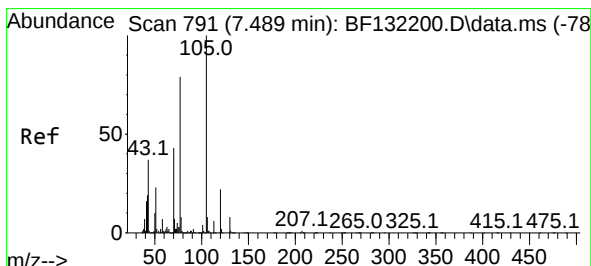
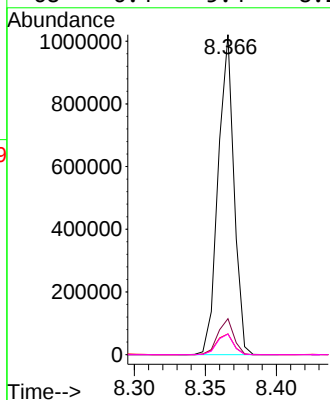
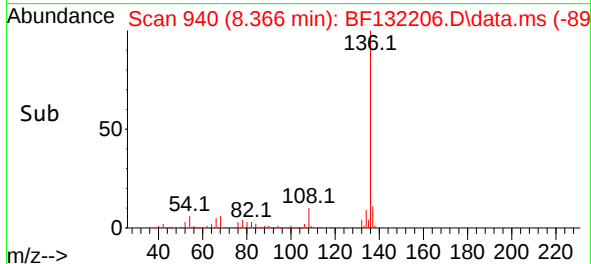
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



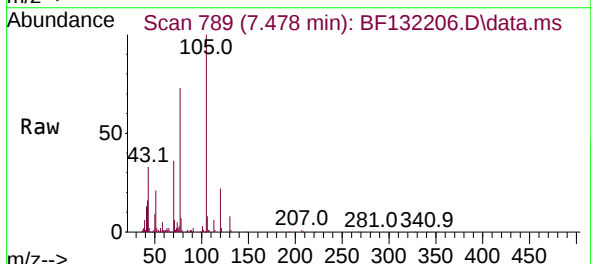
Tgt Ion:136 Resp: 793749
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 6.5 5.4 8.2
68 6.4 5.4 8.2

Manual Integrations
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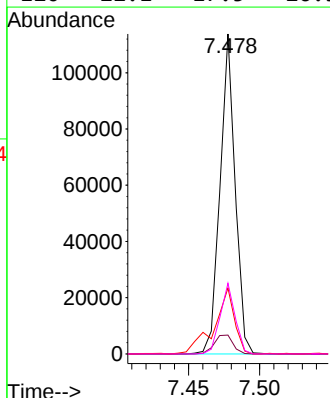
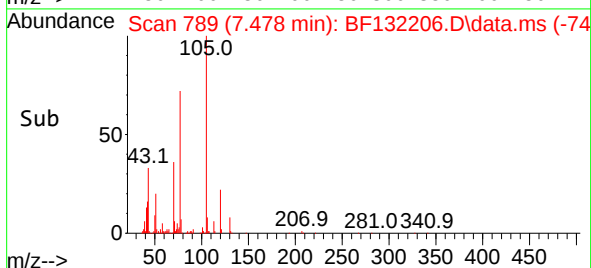
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023

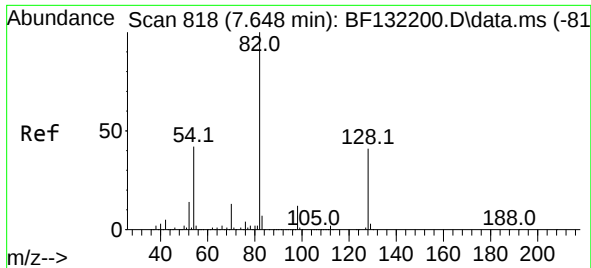


#22
Acetophenone
Concen: 4.335 ng
RT: 7.478 min Scan# 789
Delta R.T. -0.012 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23



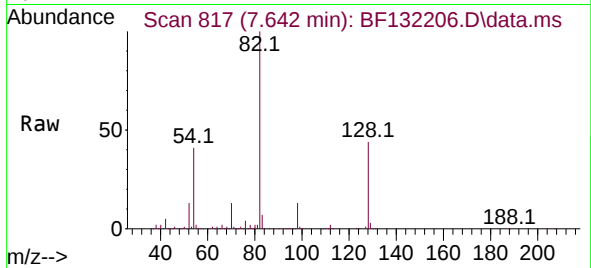
Tgt Ion:105 Resp: 84141
Ion Ratio Lower Upper
105 100
71 5.9 5.7 8.5
51 20.6 18.1 27.1
120 22.1 17.5 26.3





#23
Nitrobenzene-d5
Concen: 70.121 ng
RT: 7.642 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

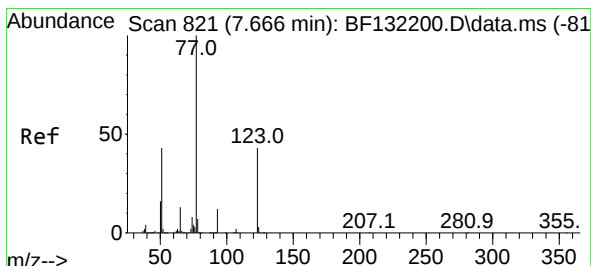
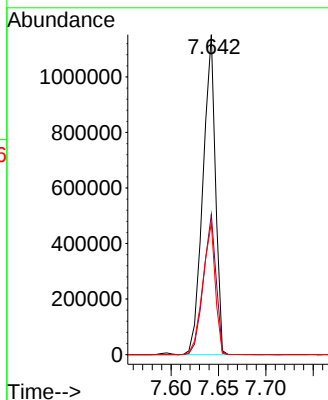
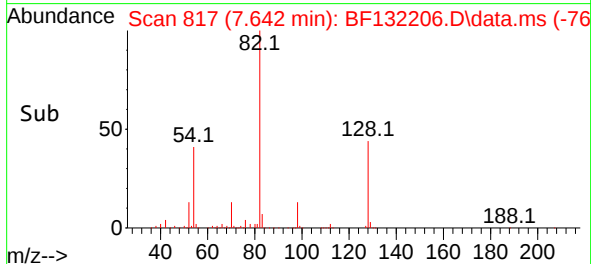
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion: 82 Resp: 1063138
Ion Ratio Lower Upper
82 100
128 43.8 32.7 49.1
54 41.1 33.3 49.9

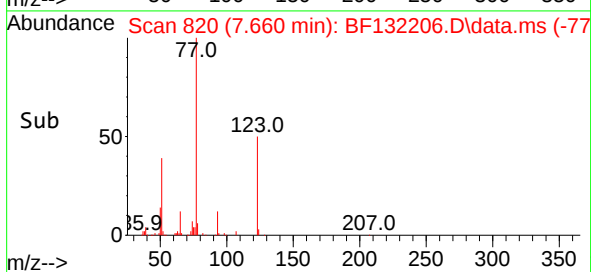
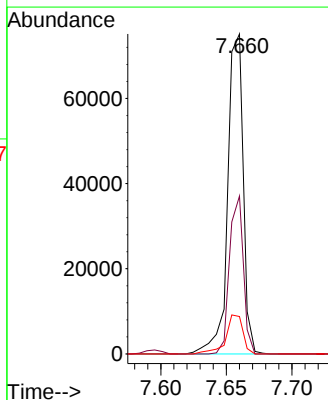
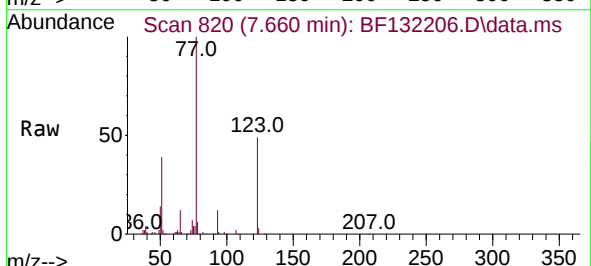
Manual Integrations
APPROVED

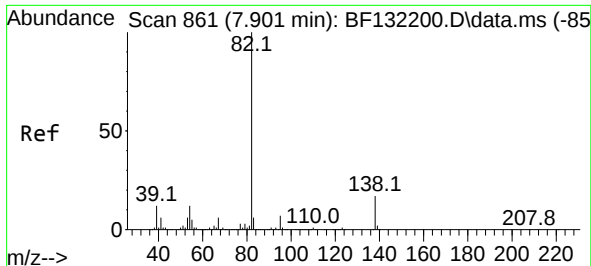
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023



#24
Nitrobenzene
Concen: 3.968 ng
RT: 7.660 min Scan# 820
Delta R.T. -0.006 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

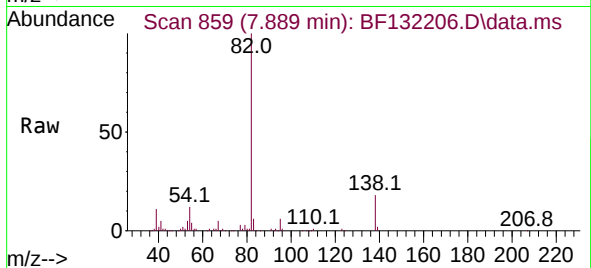
Tgt Ion: 77 Resp: 62204
Ion Ratio Lower Upper
77 100
123 49.4 34.8 52.2
65 11.7 10.5 15.7





#25
Isophorone
Concen: 3.668 ng
RT: 7.889 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

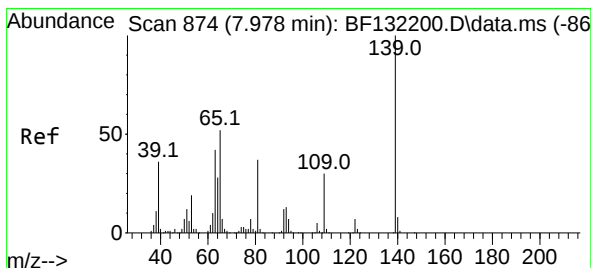
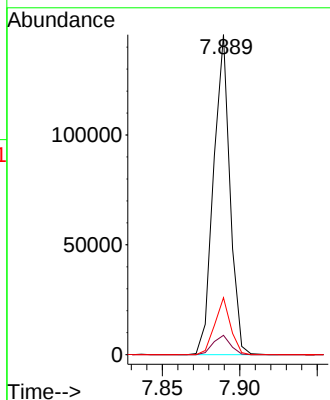
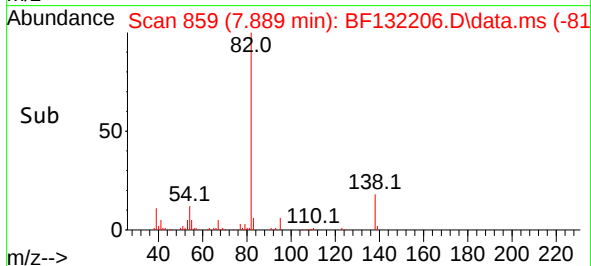
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion: 82 Resp: 106945
Ion Ratio Lower Upper
82 100
95 6.0 5.6 8.4
138 17.8 13.4 20.0

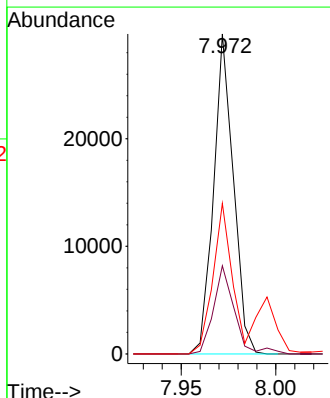
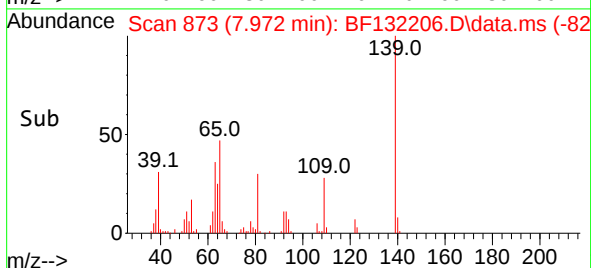
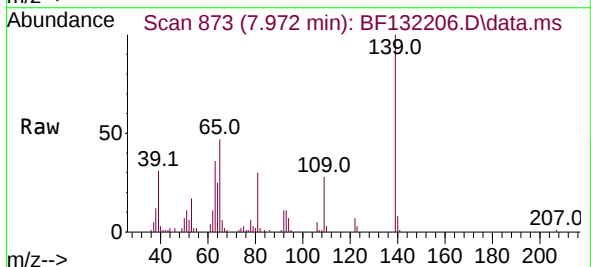
Manual Integrations
APPROVED

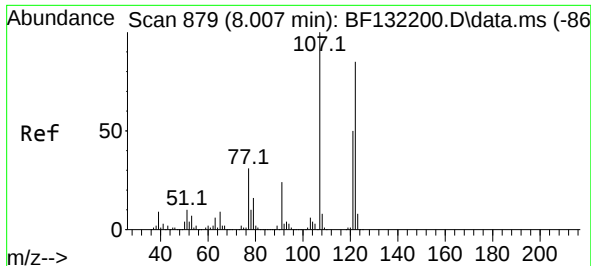
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023



#26
2-Nitrophenol
Concen: 5.663 ng
RT: 7.972 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

Tgt Ion:139 Resp: 21638
Ion Ratio Lower Upper
139 100
109 27.5 24.2 36.4
65 47.0 41.6 62.4





#27

2,4-Dimethylphenol

Concen: 3.775 ng

RT: 7.995 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF132206.D

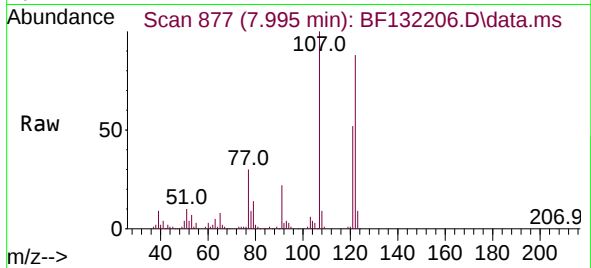
Acq: 27 Jan 2023 19:23

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

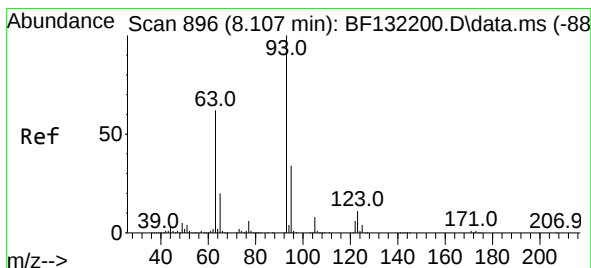
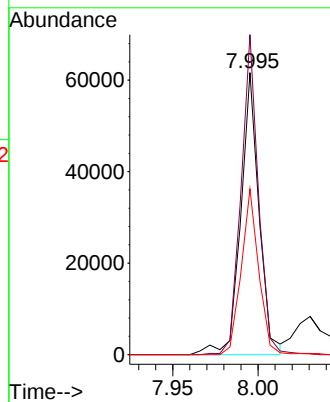
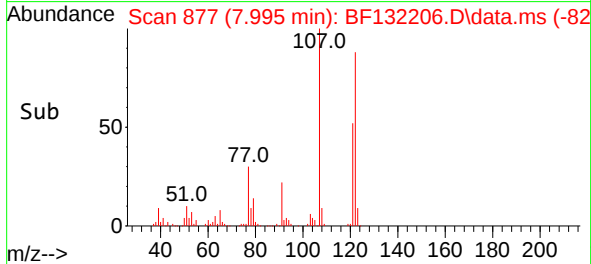


Tgt Ion:	122	Resp:	46024
Ion	Ratio	Lower	Upper
122	100		
107	113.5	94.1	141.1
121	58.8	46.6	70.0

Manual Integrations

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Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023



#28

bis(2-Chloroethoxy)methane

Concen: 3.940 ng

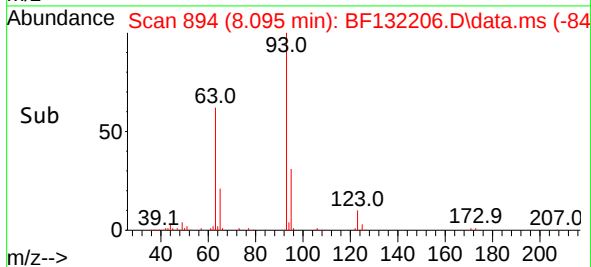
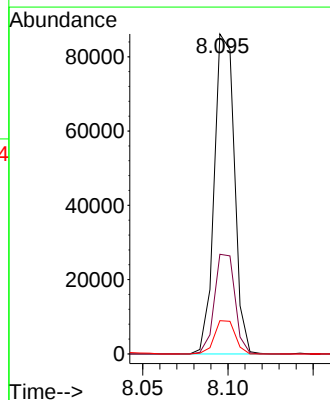
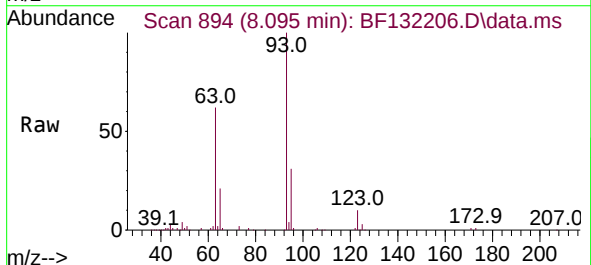
RT: 8.095 min Scan# 894

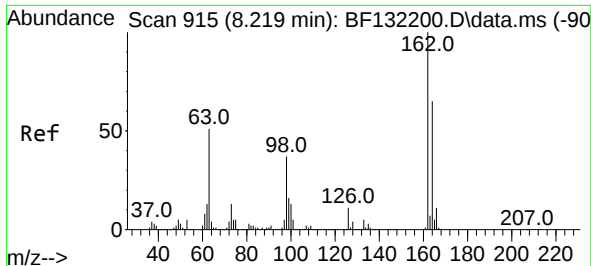
Delta R.T. -0.012 min

Lab File: BF132206.D

Acq: 27 Jan 2023 19:23

Tgt Ion:	93	Resp:	70725
Ion	Ratio	Lower	Upper
93	100		
95	31.1	27.0	40.4
123	10.4	8.9	13.3





#29

2,4-Dichlorophenol

Concen: 3.862 ng

RT: 8.207 min Scan# 915

Delta R.T. -0.012 min

Lab File: BF132206.D

Acq: 27 Jan 2023 19:23

Instrument :

BNA_F

ClientSampleId :

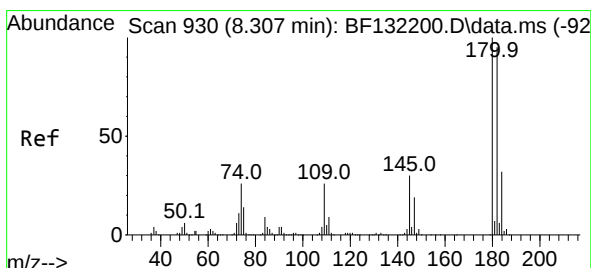
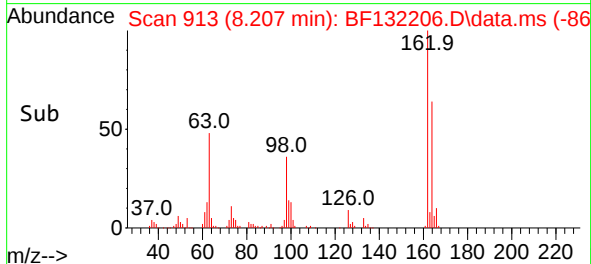
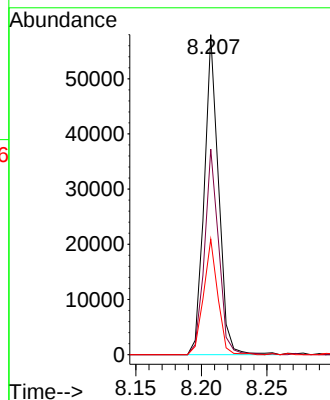
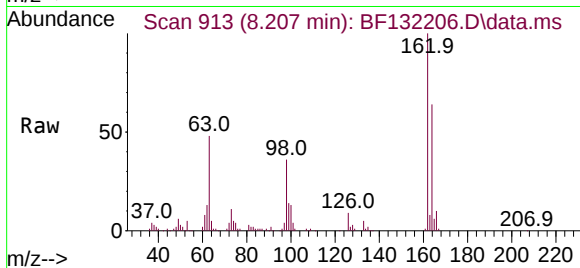
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:162 Resp: 43962
 Ion Ratio Lower Upper
 162 100
 164 64.2 44.6 84.6
 98 36.1 17.3 57.3

Manual Integrations

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Reviewed By :Christian Giraldo 01/30/2023
 Supervised By :Jagrut Upadhyay 01/30/2023



#30

1,2,4-Trichlorobenzene

Concen: 4.059 ng

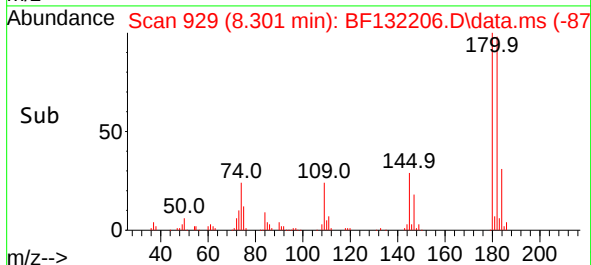
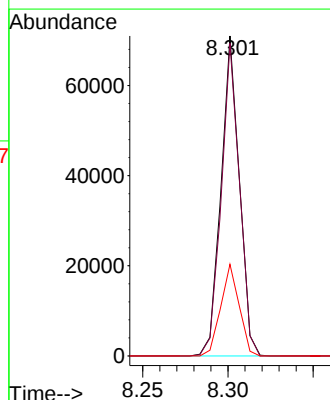
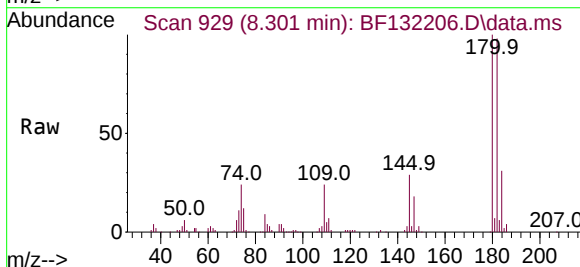
RT: 8.301 min Scan# 929

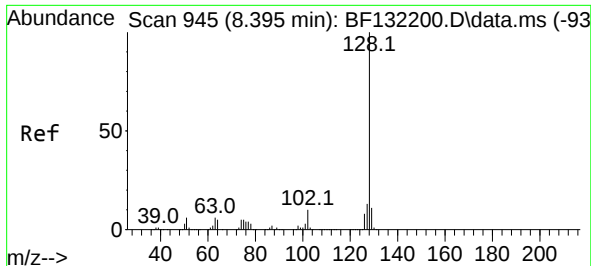
Delta R.T. -0.006 min

Lab File: BF132206.D

Acq: 27 Jan 2023 19:23

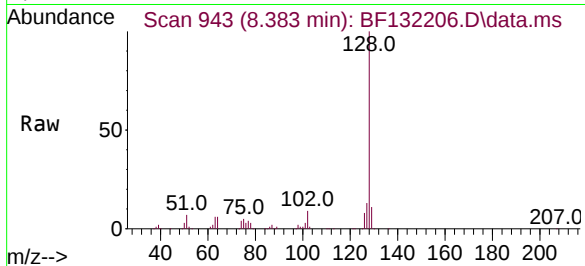
Tgt Ion:180 Resp: 53089
 Ion Ratio Lower Upper
 180 100
 182 97.7 75.7 113.5
 145 28.6 23.9 35.9





#31
Naphthalene
Concen: 4.277 ng
RT: 8.383 min Scan# 945
Delta R.T. -0.012 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

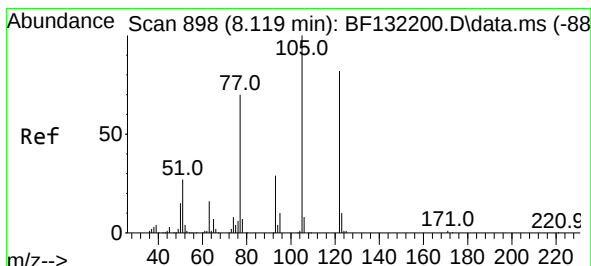
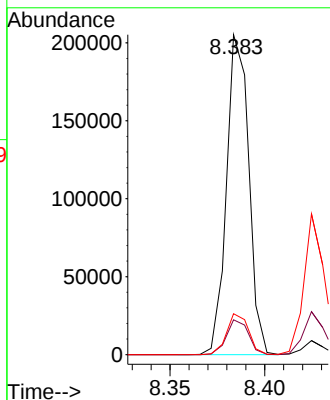
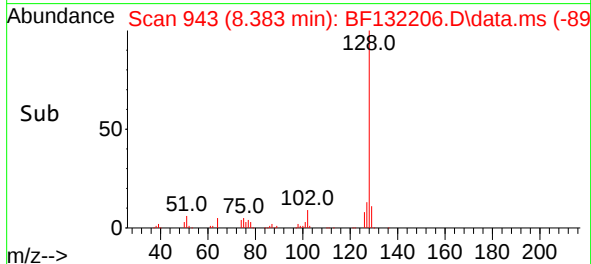
Instrument : BNA_F
Client Sample Id : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:128 Resp: 167962
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.6
127 12.8 10.6 16.0

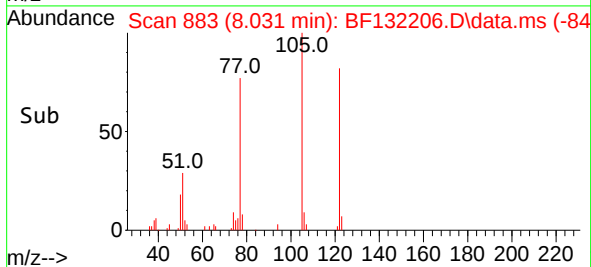
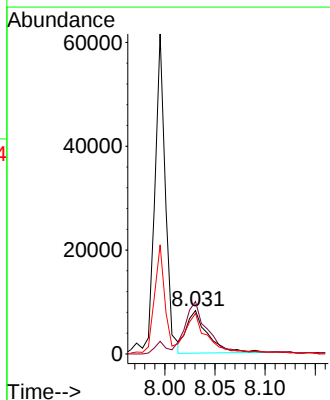
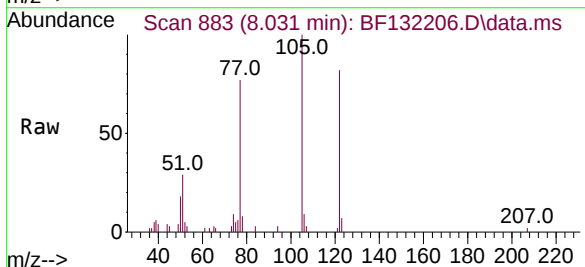
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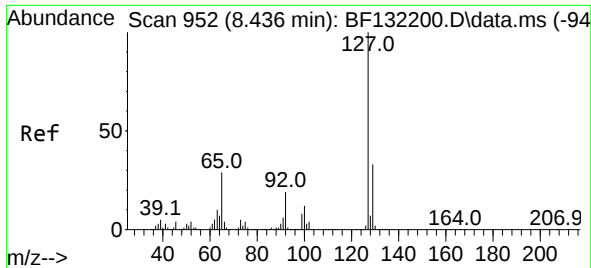
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023



#32
Benzoic acid
Concen: 8.550 ng
RT: 8.031 min Scan# 883
Delta R.T. -0.088 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

Tgt Ion:122 Resp: 12065
Ion Ratio Lower Upper
122 100
105 121.3 101.5 141.5
77 93.5 66.5 106.5





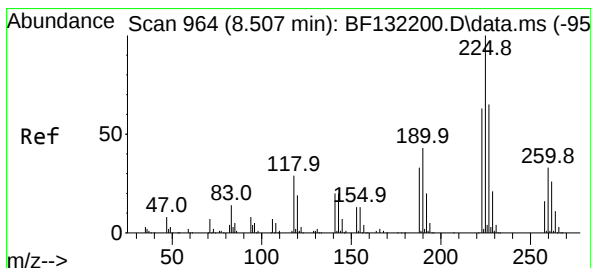
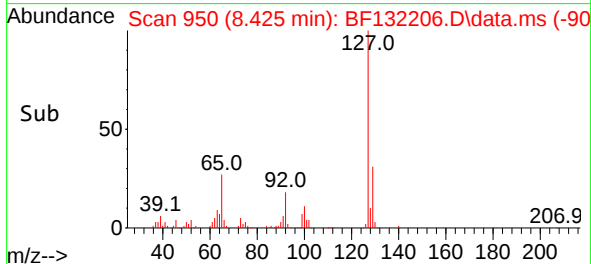
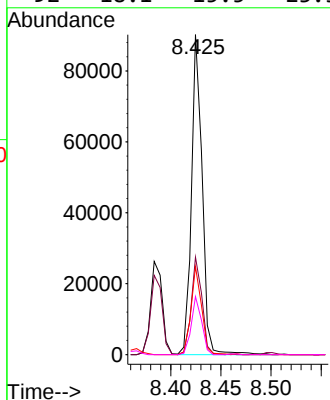
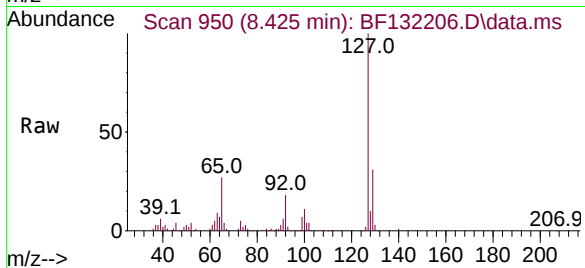
#33
4-Chloroaniline
Concen: 3.952 ng
RT: 8.425 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:	127	Resp:	67283
Ion Ratio	Lower	Upper	
127	100		
129	30.5	26.6	39.8
65	27.5	22.9	34.3
92	18.1	15.5	23.3

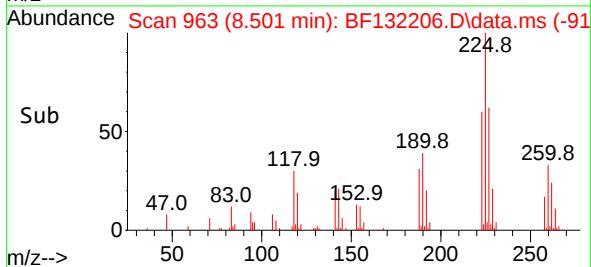
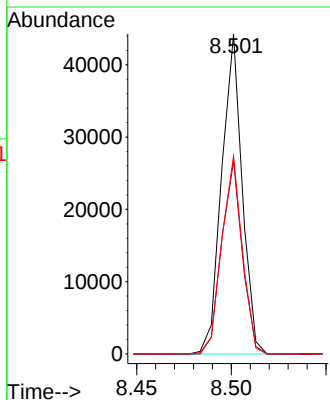
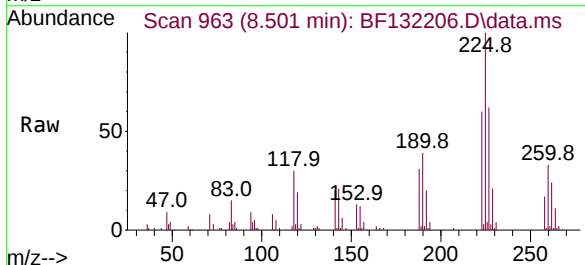
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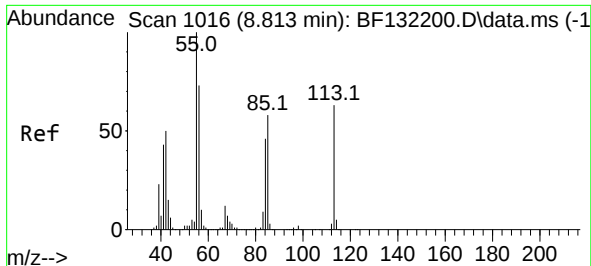
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023



#34
Hexachlorobutadiene
Concen: 4.073 ng
RT: 8.501 min Scan# 963
Delta R.T. -0.006 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

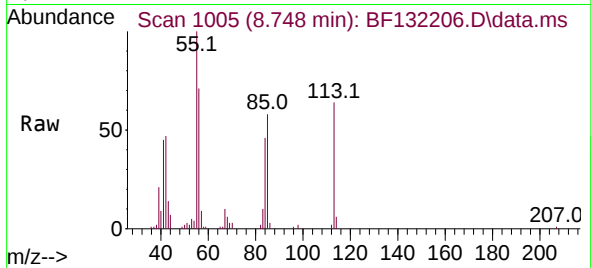
Tgt Ion:	225	Resp:	33280
Ion Ratio	Lower	Upper	
225	100		
223	60.1	50.2	75.2
227	61.8	52.1	78.1





#35
 Caprolactam
 Concen: 3.591 ng
 RT: 8.748 min Scan# 1005
 Delta R.T. -0.065 min
 Lab File: BF132206.D
 Acq: 27 Jan 2023 19:23

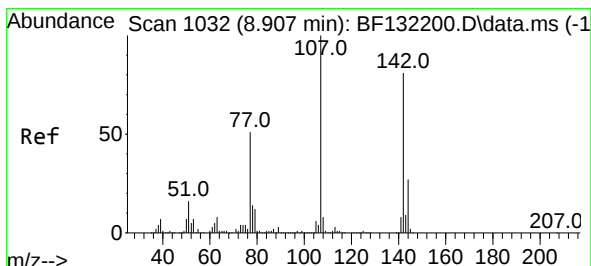
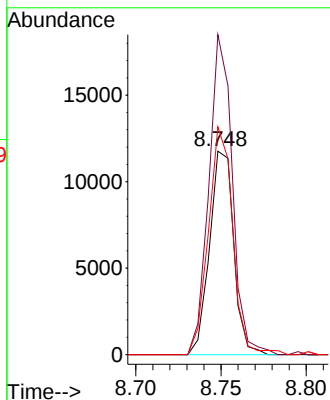
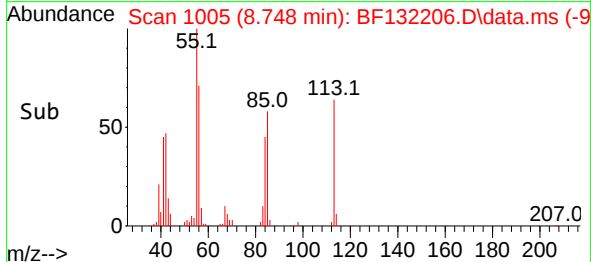
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022



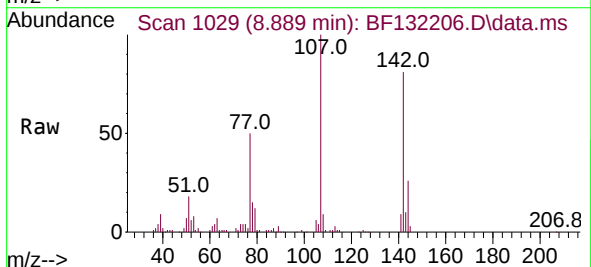
Tgt Ion:113 Resp: 11576
 Ion Ratio Lower Upper
 113 100
 55 157.2 138.7 178.7
 56 111.9 96.5 136.5

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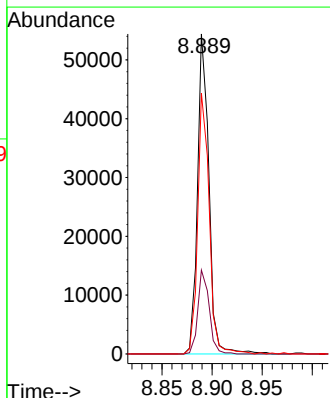
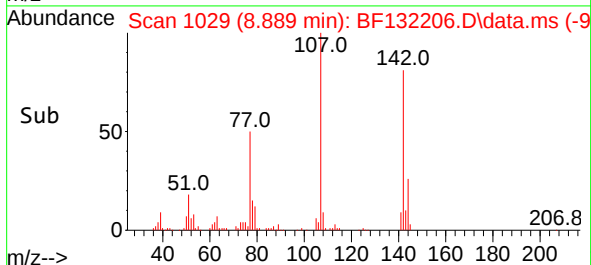
Reviewed By :Christian Giraldo 01/30/2023
 Supervised By :Jagrut Upadhyay 01/30/2023

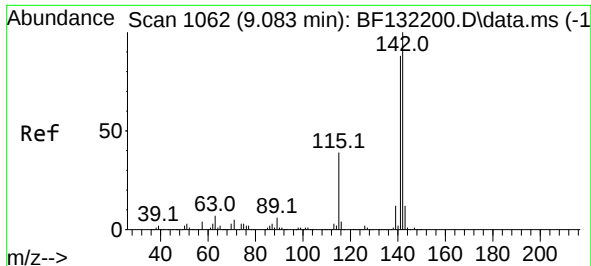


#36
 4-Chloro-3-methylphenol
 Concen: 3.678 ng
 RT: 8.889 min Scan# 1029
 Delta R.T. -0.018 min
 Lab File: BF132206.D
 Acq: 27 Jan 2023 19:23



Tgt Ion:107 Resp: 42878
 Ion Ratio Lower Upper
 107 100
 144 26.2 21.6 32.4
 142 81.5 64.8 97.2





#37

2-Methylnaphthalene

Concen: 4.080 ng

RT: 9.078 min Scan# 1062

Delta R.T. -0.006 min

Lab File: BF132206.D

Acq: 27 Jan 2023 19:23

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:142 Resp: 109944

Ion Ratio Lower Upper

142 100

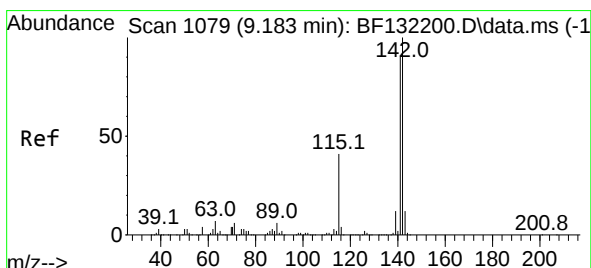
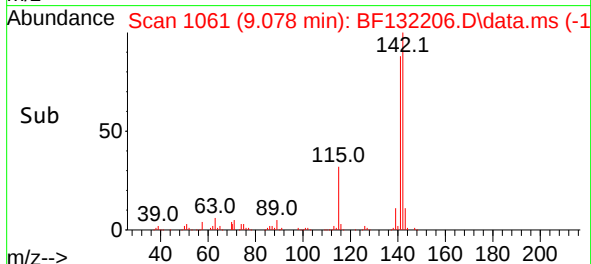
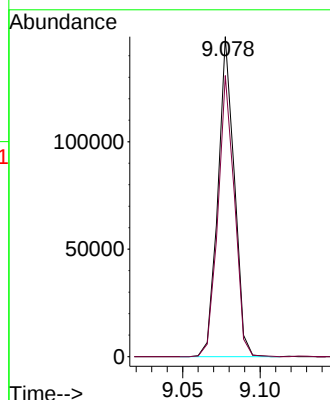
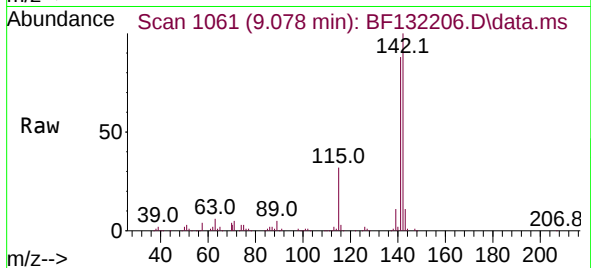
141 87.8 70.0 105.0

Manual Integrations

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Reviewed By :Christian Giraldo 01/30/2023

Supervised By :Jagrut Upadhyay 01/30/2023



#38

1-Methylnaphthalene

Concen: 4.173 ng

RT: 9.178 min Scan# 1078

Delta R.T. -0.006 min

Lab File: BF132206.D

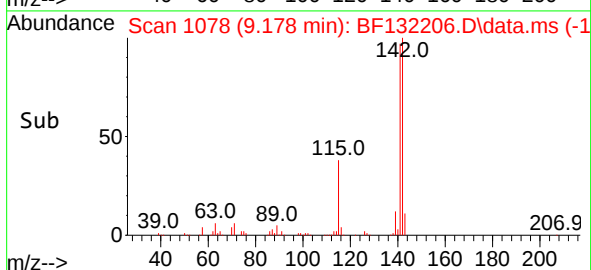
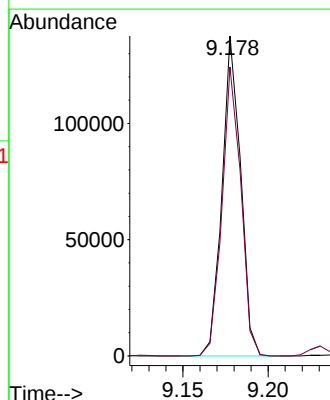
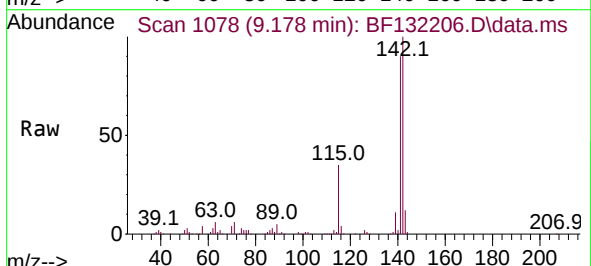
Acq: 27 Jan 2023 19:23

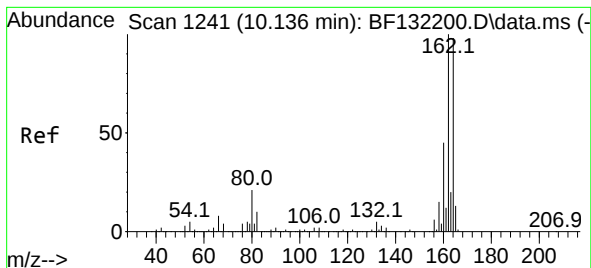
Tgt Ion:142 Resp: 104302

Ion Ratio Lower Upper

142 100

141 90.3 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.130 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132206.D

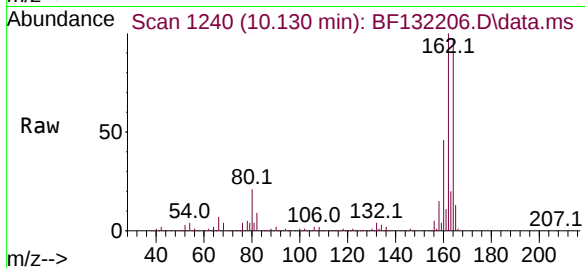
Acq: 27 Jan 2023 19:23

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:164 Resp: 423695

Ion Ratio Lower Upper

164 100

162 103.1 81.5 122.3

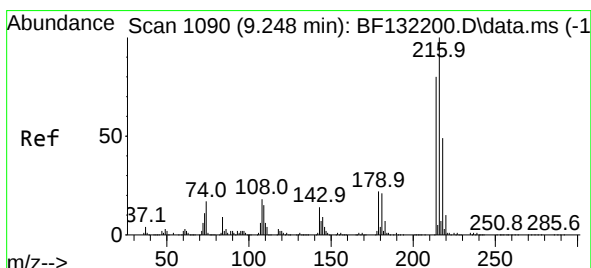
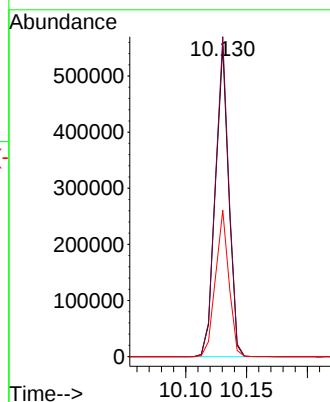
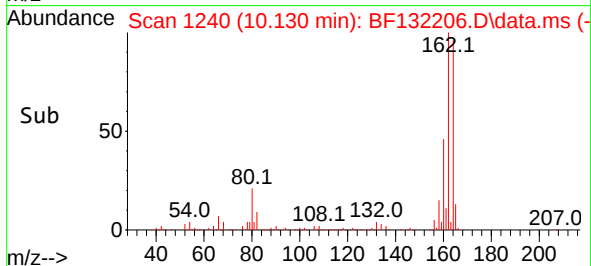
160 47.2 37.0 55.4

Manual Integrations

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Reviewed By :Christian Giraldo 01/30/2023

Supervised By :Jagrut Upadhyay 01/30/2023



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.943 ng

RT: 9.242 min Scan# 1089

Delta R.T. -0.006 min

Lab File: BF132206.D

Acq: 27 Jan 2023 19:23

Tgt Ion:216 Resp: 56070

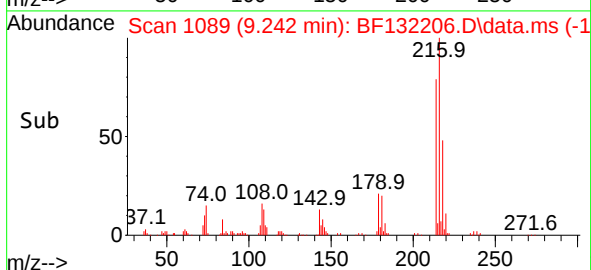
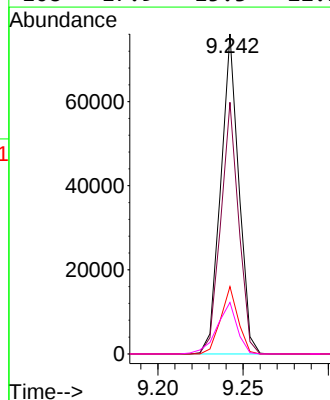
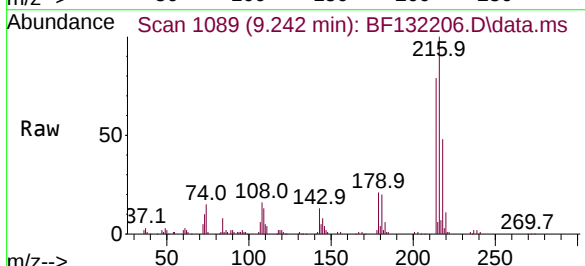
Ion Ratio Lower Upper

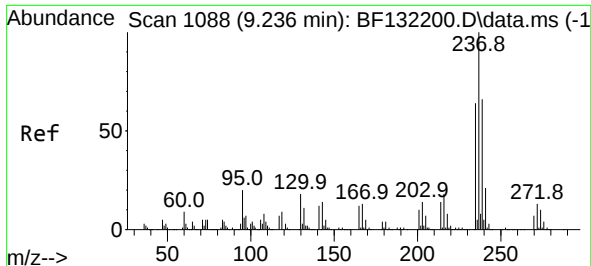
216 100

214 77.8 63.4 95.2

179 20.2 16.8 25.2

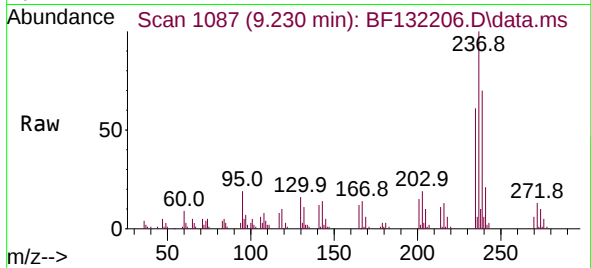
108 17.9 15.3 22.9





#41
Hexachlorocyclopentadiene
Concen: 3.548 ng
RT: 9.230 min Scan# 1088
Delta R.T. -0.006 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

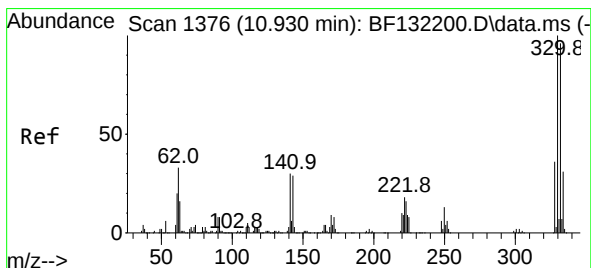
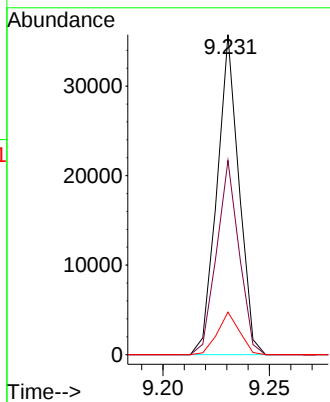
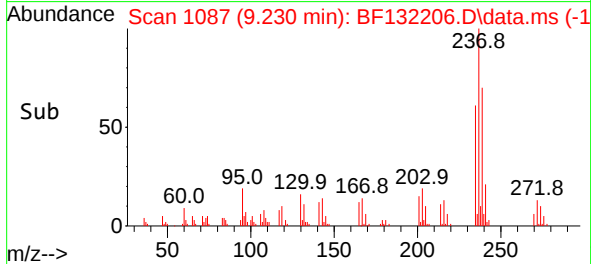
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



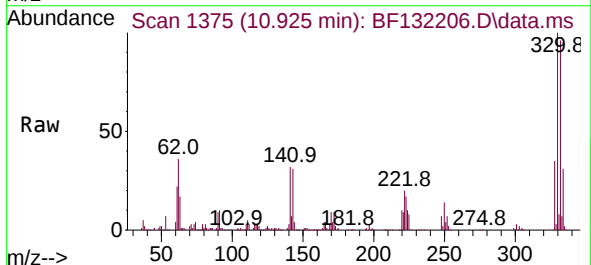
Tgt Ion: 237 Resp: 25628
Ion Ratio Lower Upper
237 100
235 60.7 43.9 83.9
272 13.3 0.0 32.6

Manual Integrations
APPROVED

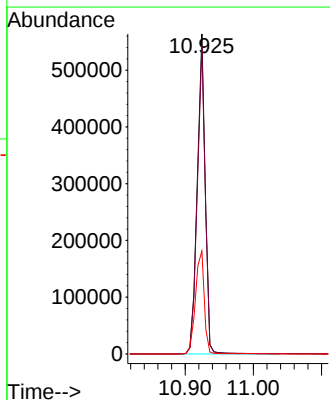
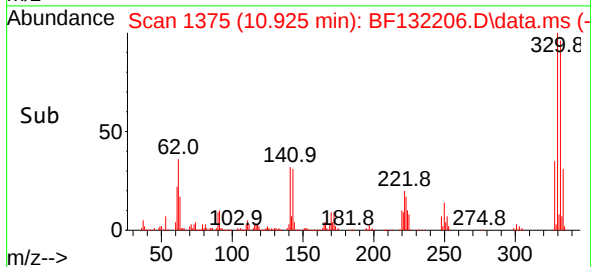
Reviewed By : Christian Giraldo 01/30/2023
Supervised By : Jagrut Upadhyay 01/30/2023

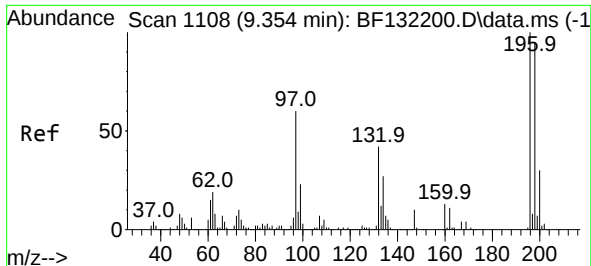


#42
2,4,6-Tribromophenol
Concen: 116.905 ng
RT: 10.925 min Scan# 1375
Delta R.T. -0.006 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23



Tgt Ion: 330 Resp: 458659
Ion Ratio Lower Upper
330 100
332 96.3 75.7 113.5
141 35.4 30.7 46.1





#43

2,4,6-Trichlorophenol

Concen: 3.599 ng

RT: 9.348 min Scan# 1107

Delta R.T. -0.006 min

Lab File: BF132206.D

Acq: 27 Jan 2023 19:23

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

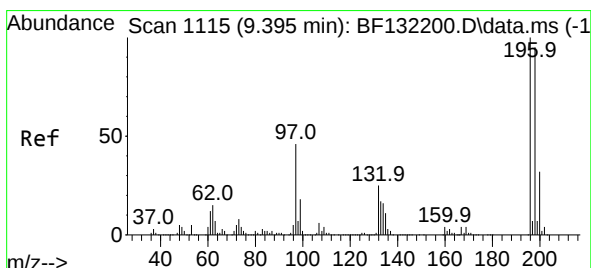
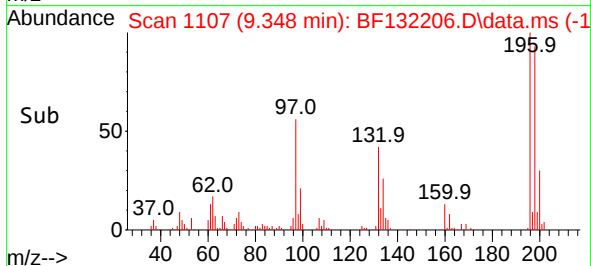
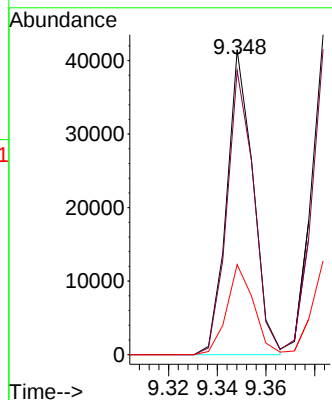
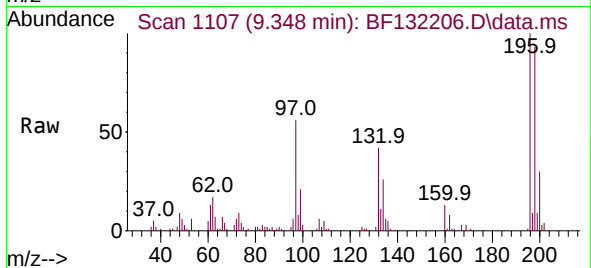
Tgt Ion:196	Resp:	31224
Ion Ratio	Lower	Upper
196	100	
198	93.2	76.2 114.2
200	29.5	24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/30/2023

Supervised By :Jagrut Upadhyay 01/30/2023



#44

2,4,5-Trichlorophenol

Concen: 3.403 ng

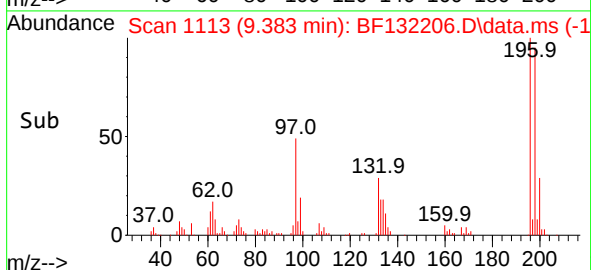
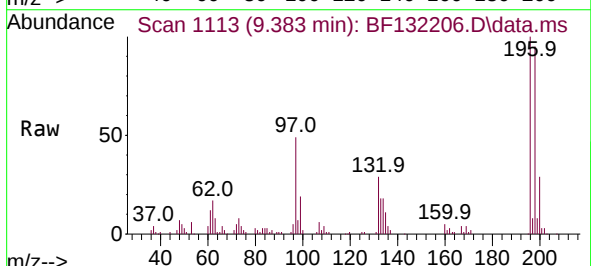
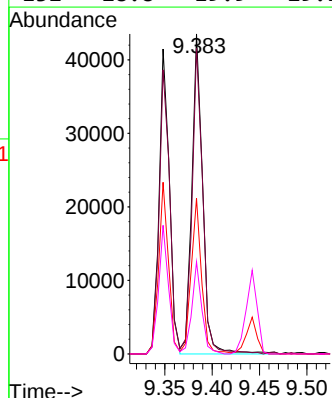
RT: 9.383 min Scan# 1113

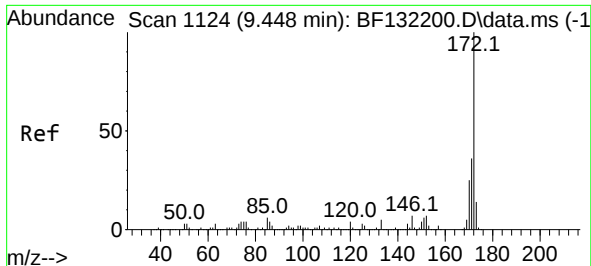
Delta R.T. -0.012 min

Lab File: BF132206.D

Acq: 27 Jan 2023 19:23

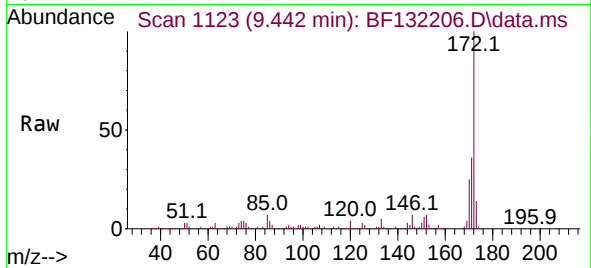
Tgt Ion:196	Resp:	34571
Ion Ratio	Lower	Upper
196	100	
198	95.4	75.8 113.6
97	48.6	37.1 55.7
132	28.8	19.9 29.9





#45
2-Fluorobiphenyl
Concen: 66.064 ng
RT: 9.442 min Scan# 1124
Delta R.T. -0.006 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

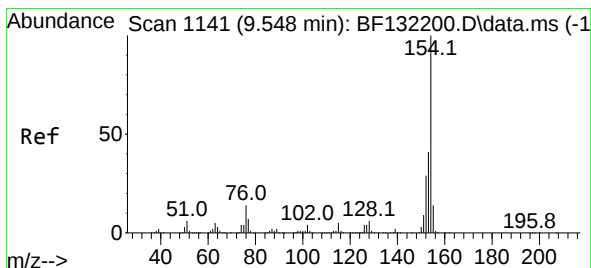
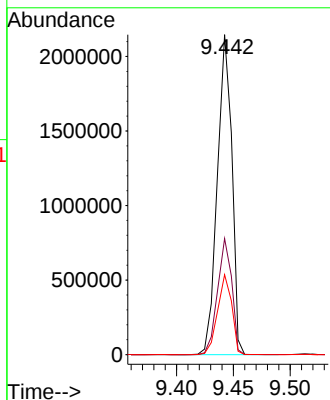
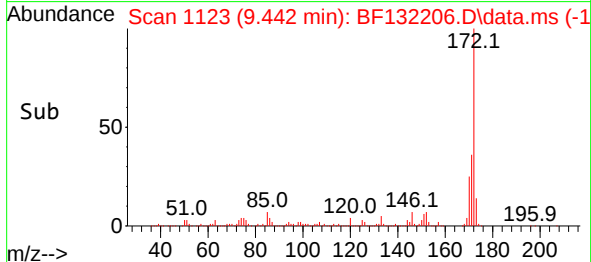
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



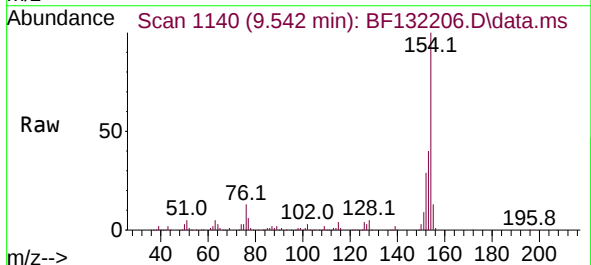
Tgt Ion:172 Resp: 1902284
Ion Ratio Lower Upper
172 100
171 36.3 29.0 43.6
170 25.0 20.2 30.4

Manual Integrations
APPROVED

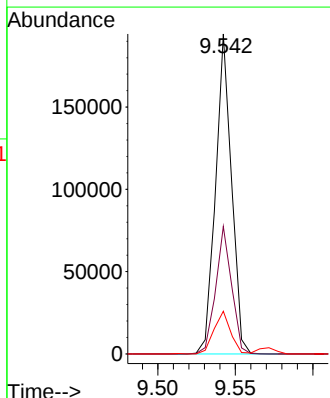
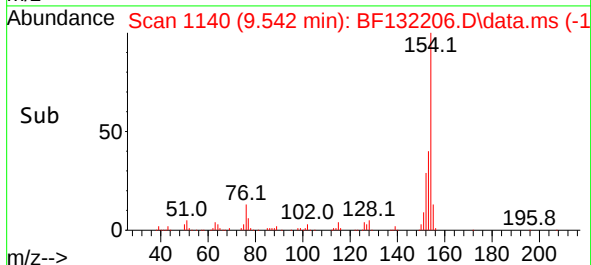
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023

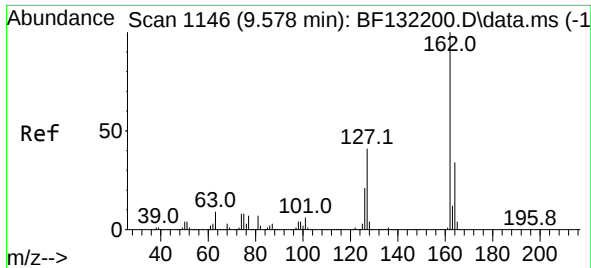


#46
1,1'-Biphenyl
Concen: 4.280 ng
RT: 9.542 min Scan# 1140
Delta R.T. -0.006 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23



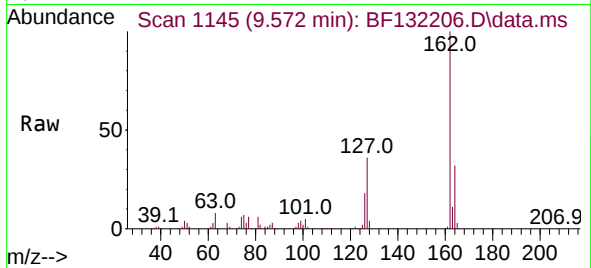
Tgt Ion:154 Resp: 139743
Ion Ratio Lower Upper
154 100
153 39.8 20.6 60.6
76 13.3 0.0 34.2





#47
2-Chloronaphthalene
Concen: 4.229 ng
RT: 9.572 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

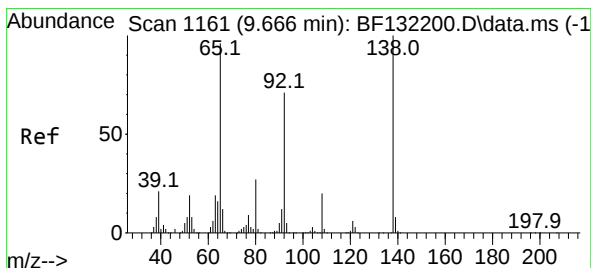
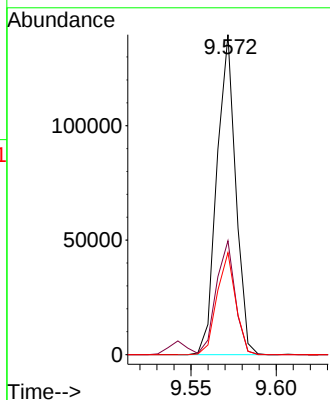
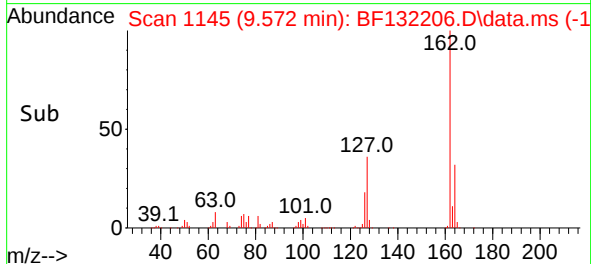
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:162 Resp: 10718
Ion Ratio Lower Upper
162 100
127 35.6 32.7 49.1
164 31.9 27.3 40.9

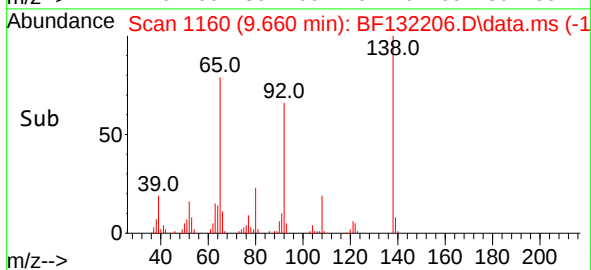
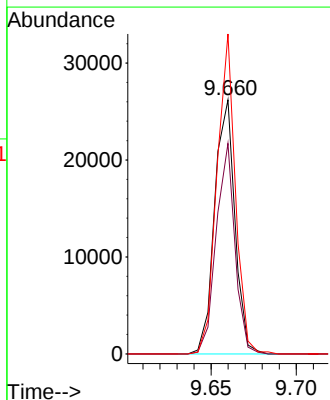
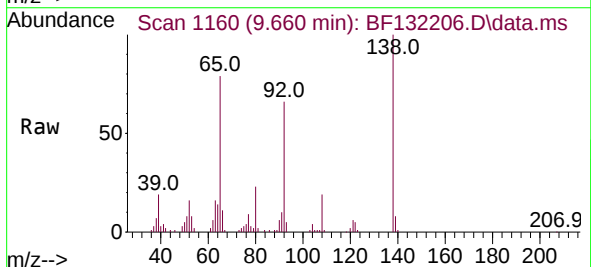
Manual Integrations
APPROVED

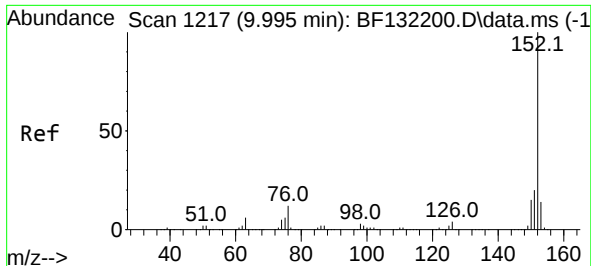
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023



#48
2-Nitroaniline
Concen: 3.188 ng
RT: 9.660 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

Tgt Ion: 65 Resp: 21696
Ion Ratio Lower Upper
65 100
92 82.8 59.2 88.8
138 125.9 83.7 125.5#





#49

Acenaphthylene

Concen: 4.004 ng

RT: 9.989 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF132206.D

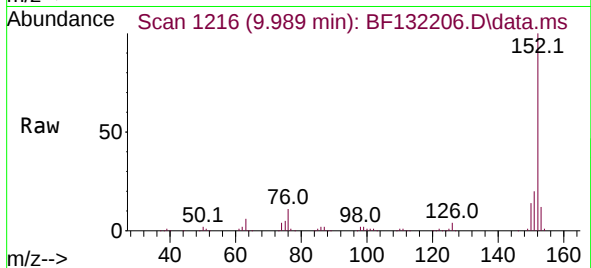
Acq: 27 Jan 2023 19:23

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



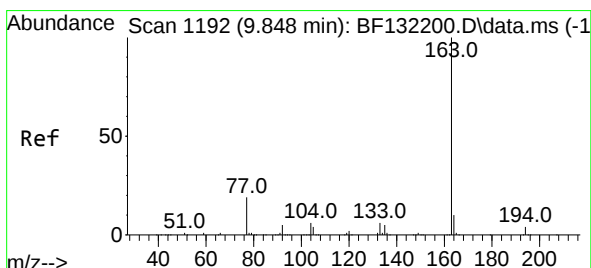
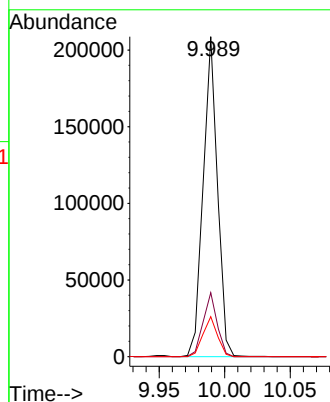
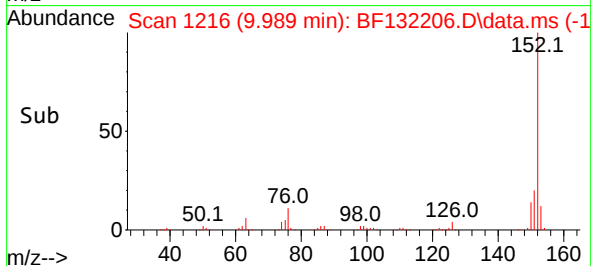
Tgt Ion:152 Resp: 157674

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.3	24.5
153	12.5	10.9	16.3

Manual Integrations

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Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023



#50

Dimethylphthalate

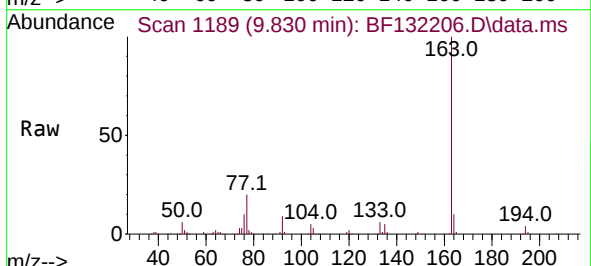
Concen: 4.017 ng

RT: 9.830 min Scan# 1189

Delta R.T. -0.018 min

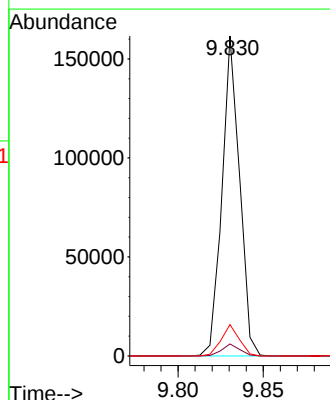
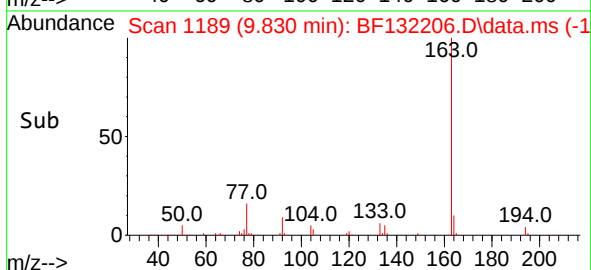
Lab File: BF132206.D

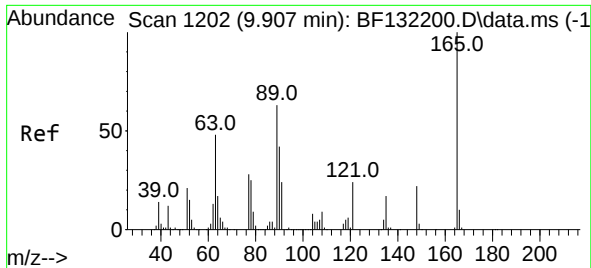
Acq: 27 Jan 2023 19:23



Tgt Ion:163 Resp: 115518

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.3	4.9
164	9.8	8.3	12.5





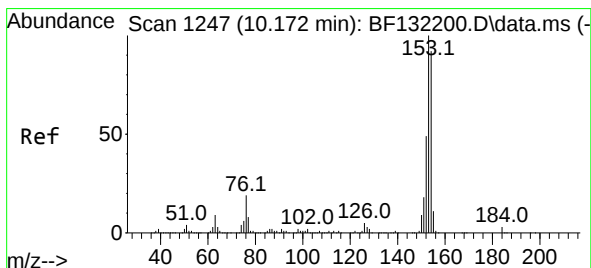
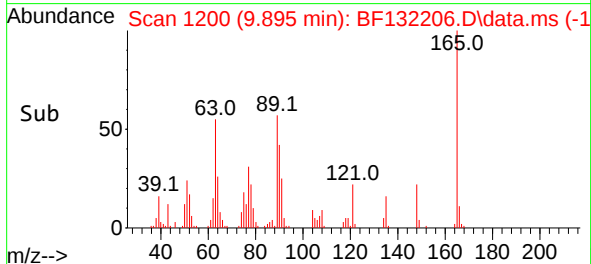
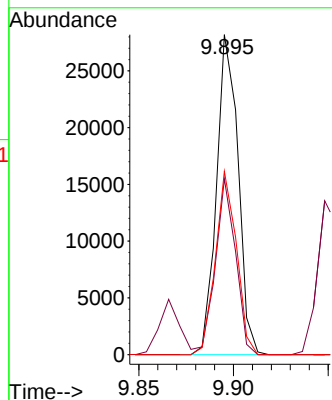
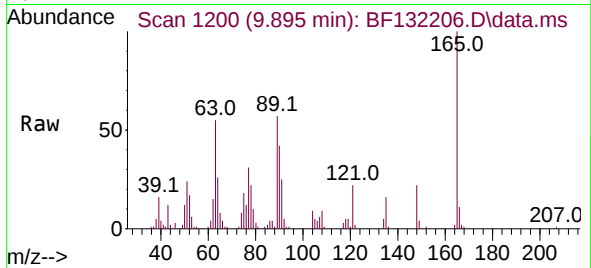
#51
2,6-Dinitrotoluene
Concen: 3.659 ng
RT: 9.895 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:165 Resp: 22354
Ion Ratio Lower Upper
165 100
63 55.0 46.1 69.1
89 57.3 50.3 75.5

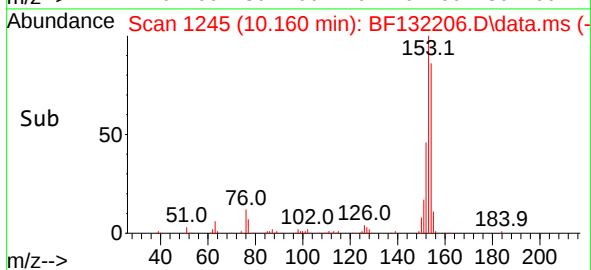
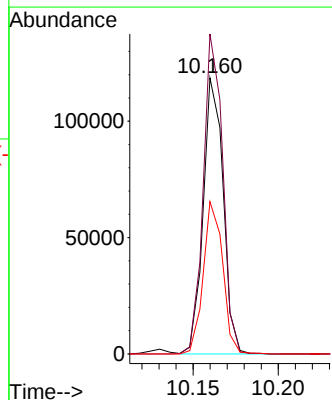
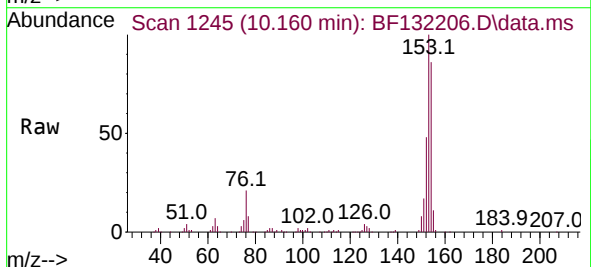
Manual Integrations
APPROVED

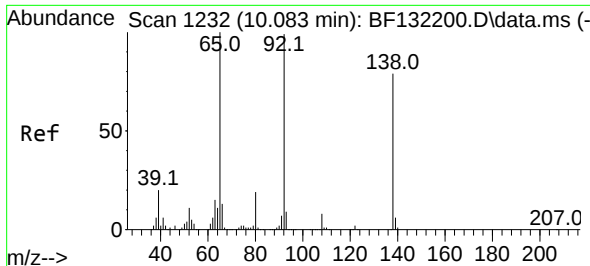
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023



#52
Acenaphthene
Concen: 3.987 ng
RT: 10.160 min Scan# 1245
Delta R.T. -0.012 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

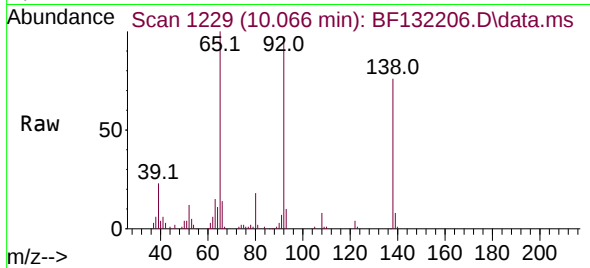
Tgt Ion:154 Resp: 96519
Ion Ratio Lower Upper
154 100
153 116.0 87.3 130.9
152 55.2 43.2 64.8





#53
3-Nitroaniline
Concen: 3.402 ng
RT: 10.066 min Scan# 1229
Delta R.T. -0.018 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

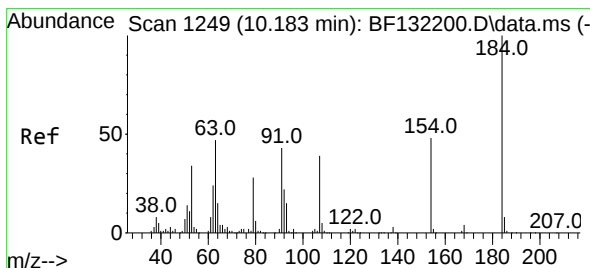
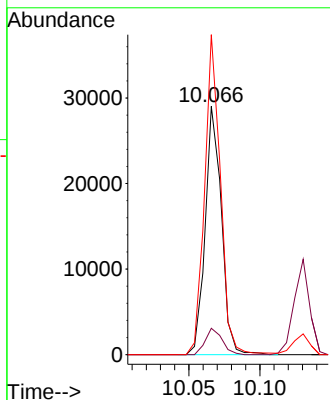
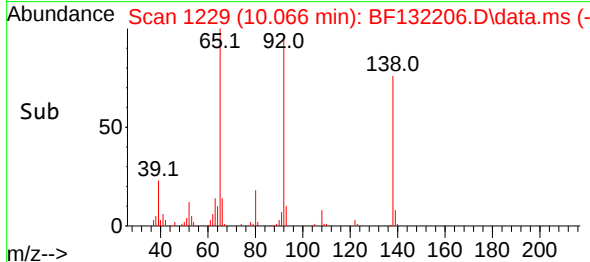
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



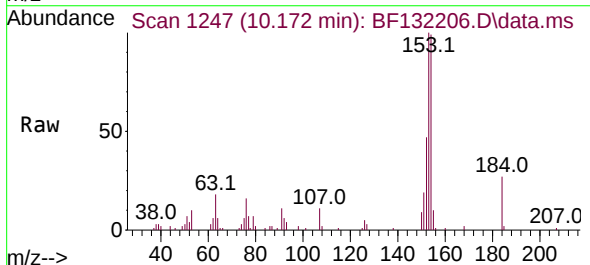
Tgt Ion:138 Resp: 22995
Ion Ratio Lower Upper
138 100
108 10.6 8.1 12.1
92 128.9 100.2 150.2

Manual Integrations
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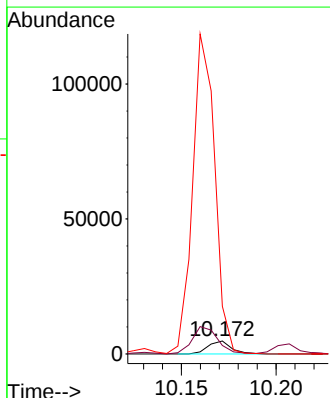
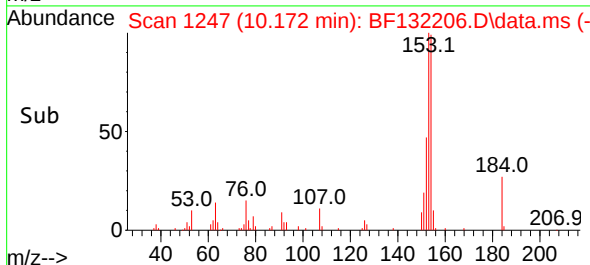
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023

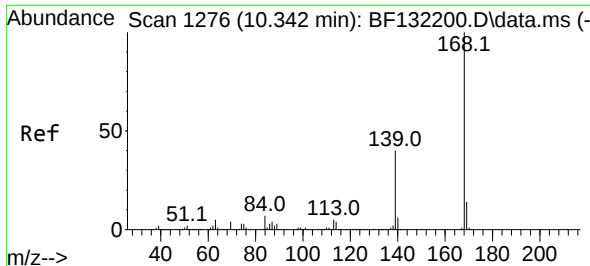


#54
2,4-Dinitrophenol
Concen: 7.953 ng
RT: 10.172 min Scan# 1247
Delta R.T. -0.011 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23



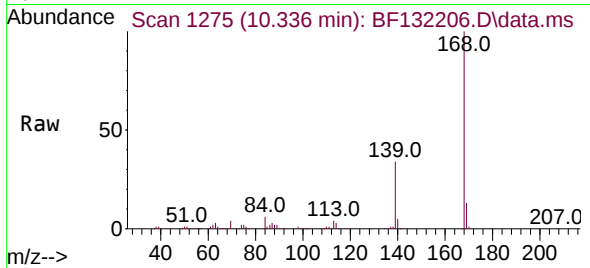
Tgt Ion:184 Resp: 4039
Ion Ratio Lower Upper
184 100
63 64.6 39.8 59.6#
154 367.0 54.2 81.2#





#55
Dibenzofuran
Concen: 4.153 ng
RT: 10.336 min Scan# 1275
Delta R.T. -0.006 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

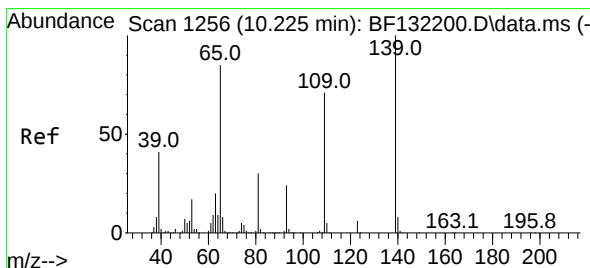
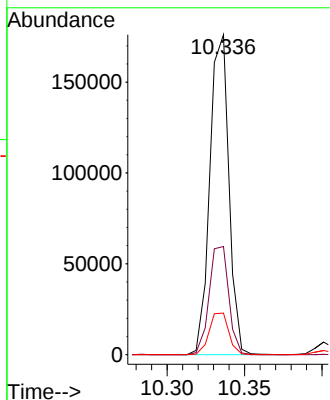
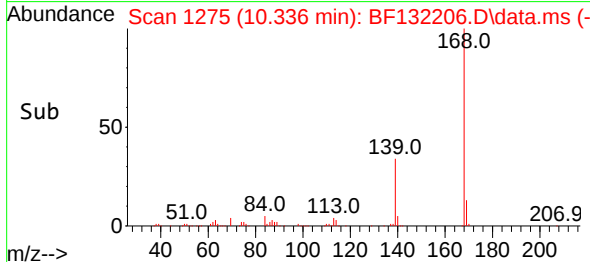
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:168 Resp: 150625
Ion Ratio Lower Upper
168 100
139 33.8 31.7 47.5
169 13.0 11.1 16.7

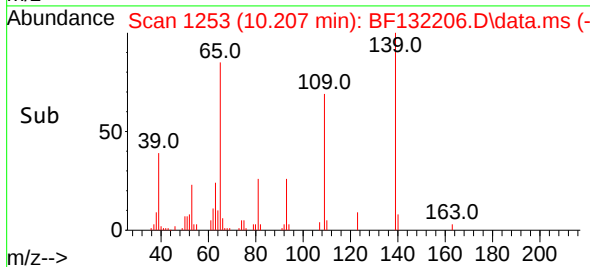
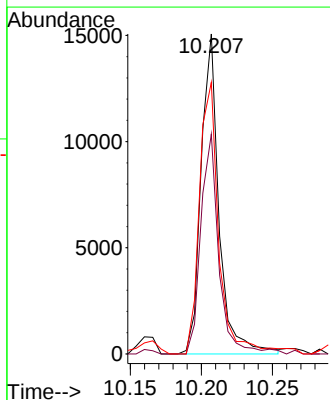
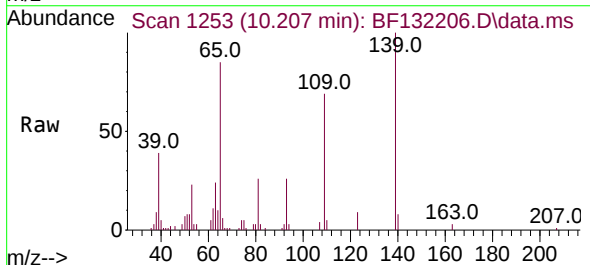
Manual Integrations
APPROVED

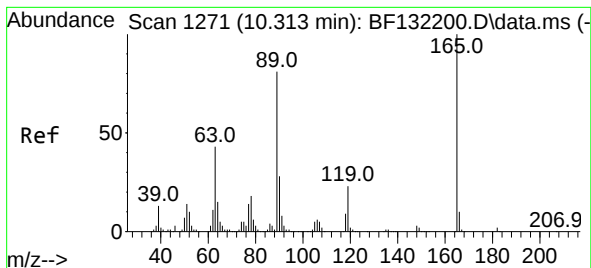
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023



#56
4-Nitrophenol
Concen: 2.705 ng
RT: 10.207 min Scan# 1253
Delta R.T. -0.018 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

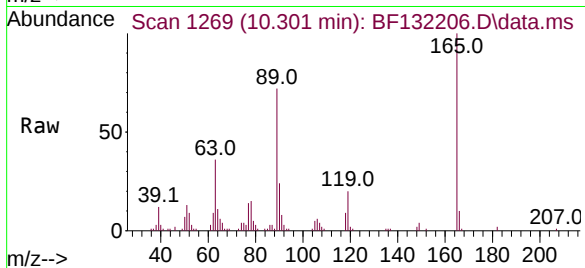
Tgt Ion:139 Resp: 13210
Ion Ratio Lower Upper
139 100
109 68.7 50.8 90.8
65 84.8 65.5 105.5





#57
2,4-Dinitrotoluene
Concen: 3.332 ng
RT: 10.301 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

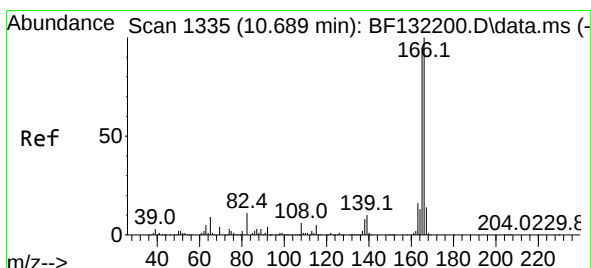
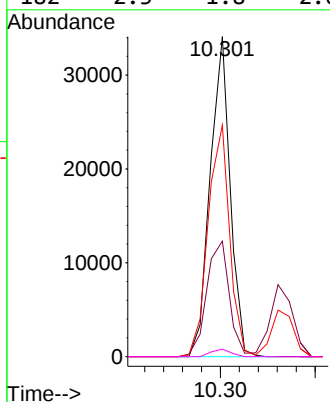
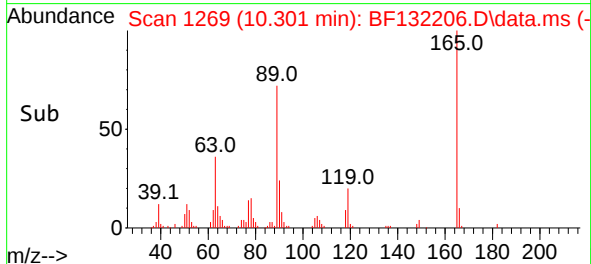
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



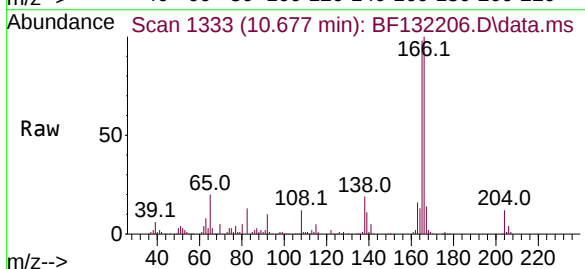
Tgt Ion:165 Resp: 2505
Ion Ratio Lower Upper
165 100
63 36.1 34.2 51.2
89 72.3 65.1 97.7
182 2.3 1.8 2.6

Manual Integrations
APPROVED

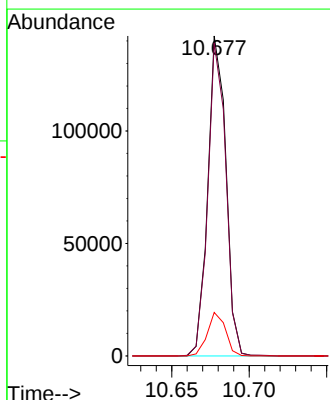
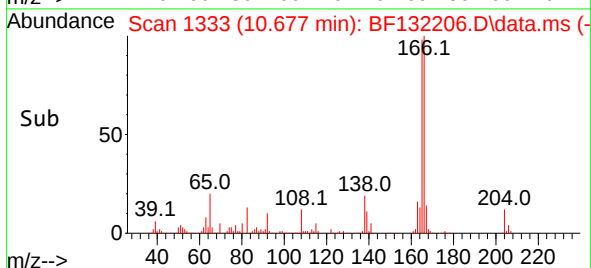
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023

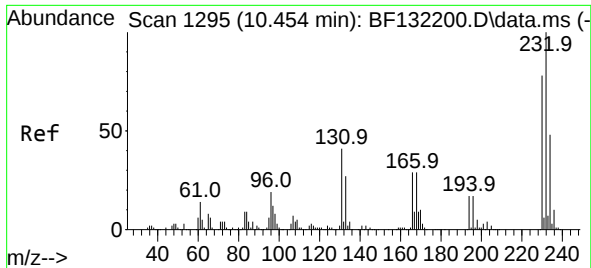


#58
Fluorene
Concen: 4.194 ng
RT: 10.677 min Scan# 1333
Delta R.T. -0.012 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23



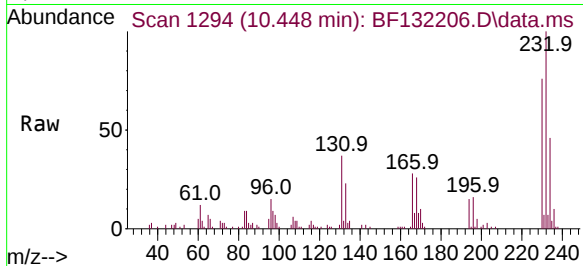
Tgt Ion:166 Resp: 116191
Ion Ratio Lower Upper
166 100
165 97.8 76.3 114.5
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.392 ng
RT: 10.448 min Scan# 1294
Delta R.T. -0.006 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

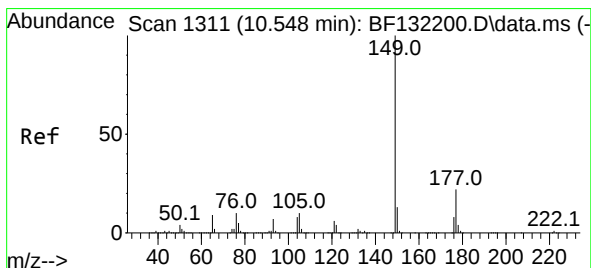
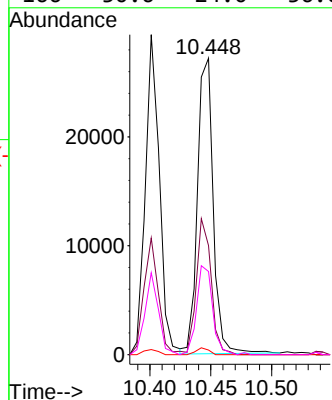
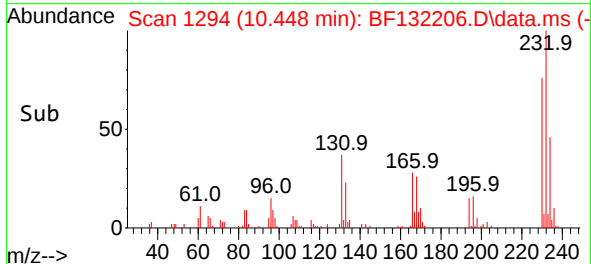
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



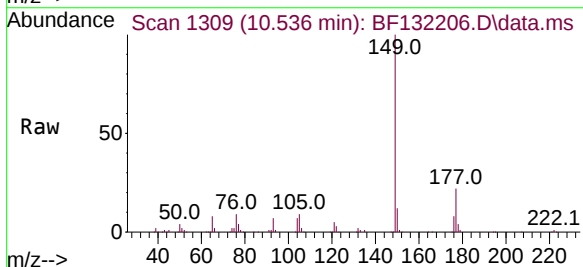
Tgt Ion:232 Resp: 24485
Ion Ratio Lower Upper
232 100
131 43.4 35.1 52.7
130 1.8 1.7 2.5
166 30.6 24.0 36.0

Manual Integrations
APPROVED

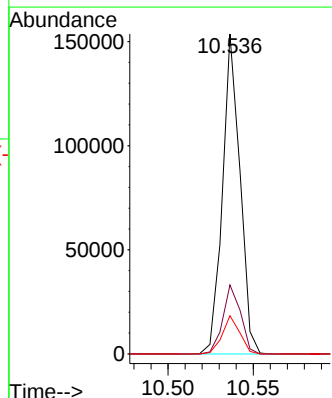
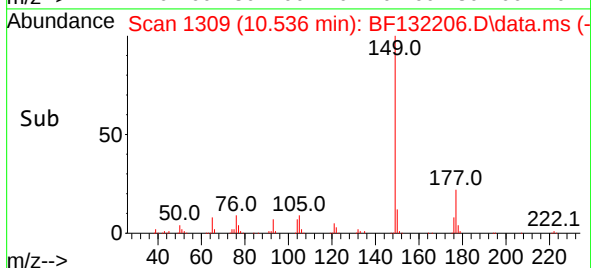
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023

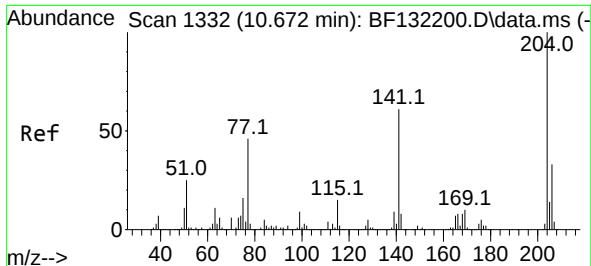


#60
Diethylphthalate
Concen: 3.900 ng
RT: 10.536 min Scan# 1309
Delta R.T. -0.012 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23



Tgt Ion:149 Resp: 109307
Ion Ratio Lower Upper
149 100
177 21.5 17.9 26.9
150 11.9 10.2 15.4





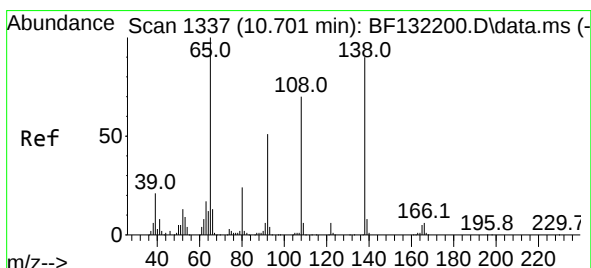
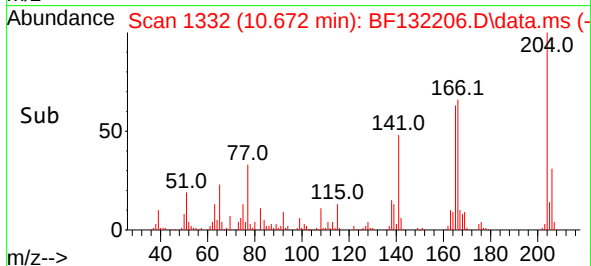
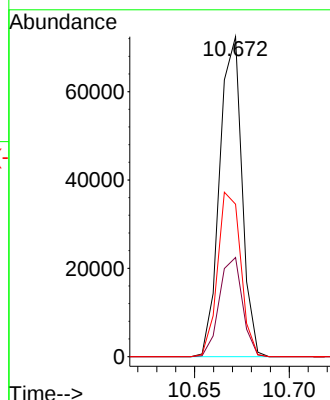
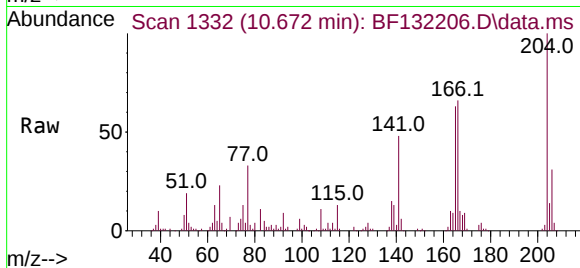
#61
4-Chlorophenyl-phenylether
Concen: 4.058 ng
RT: 10.672 min Scan# 1332
Delta R.T. -0.000 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:204 Resp: 59298
Ion Ratio Lower Upper
204 100
206 31.0 26.5 39.7
141 47.6 49.2 73.8

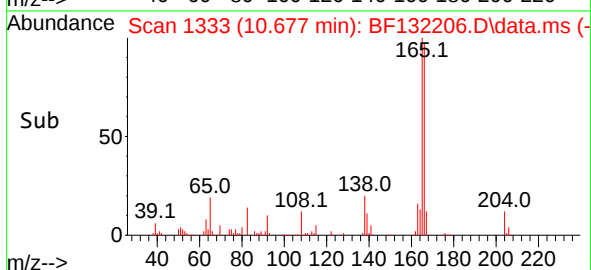
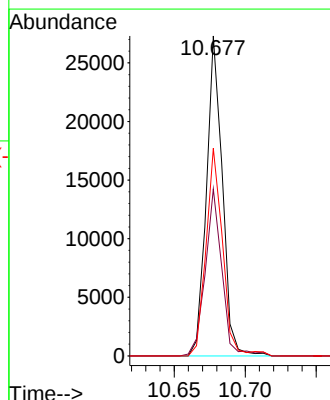
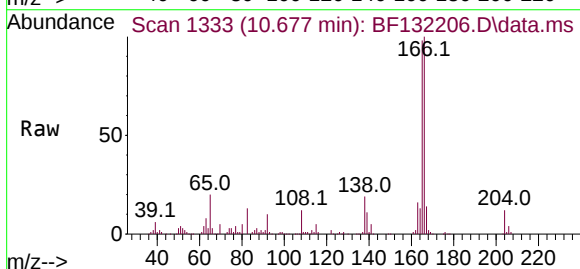
Manual Integrations
APPROVED

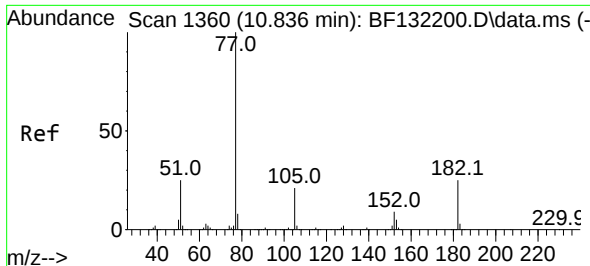
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023



#62
4-Nitroaniline
Concen: 3.345 ng
RT: 10.677 min Scan# 1333
Delta R.T. -0.024 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

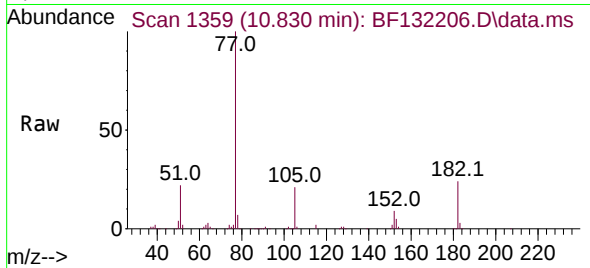
Tgt Ion:138 Resp: 21216
Ion Ratio Lower Upper
138 100
92 52.2 36.0 76.0
108 64.9 57.9 97.9





#63
Azobenzene
Concen: 3.746 ng
RT: 10.830 min Scan# 1360
Delta R.T. -0.006 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

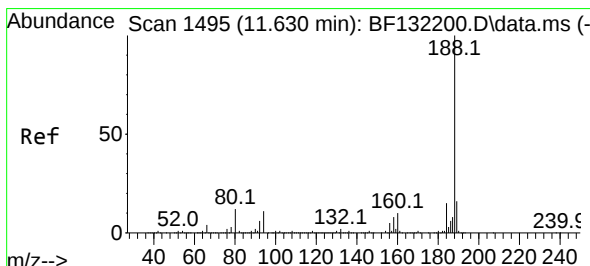
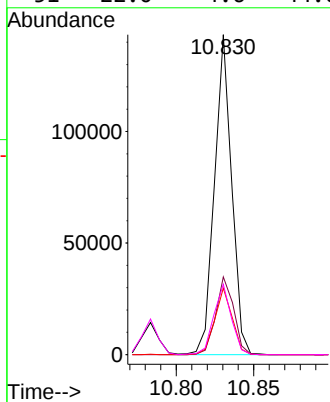
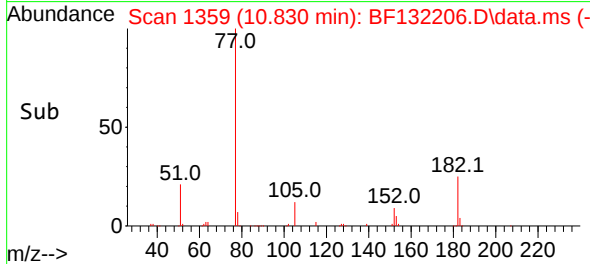
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion	Ratio	Lower	Upper
77	100		
182	24.3	4.7	44.7
105	20.8	1.1	41.1
51	22.0	4.6	44.6

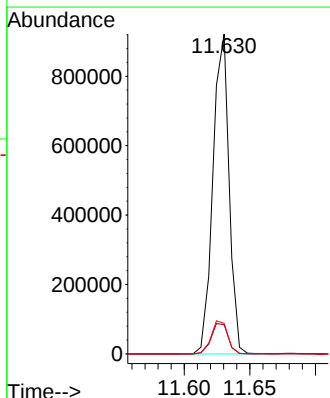
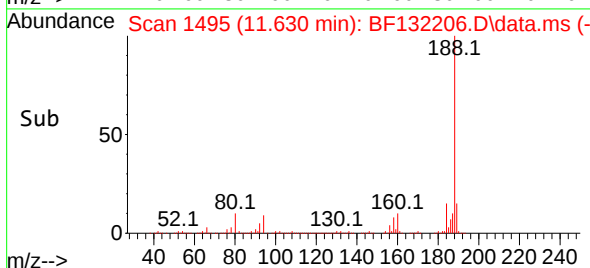
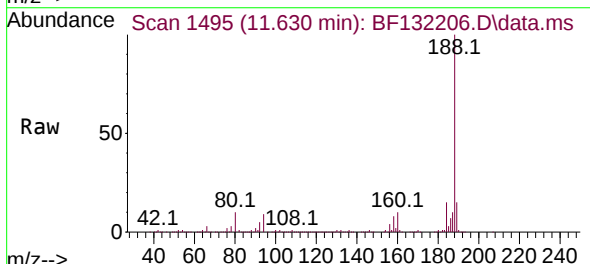
Manual Integrations
APPROVED

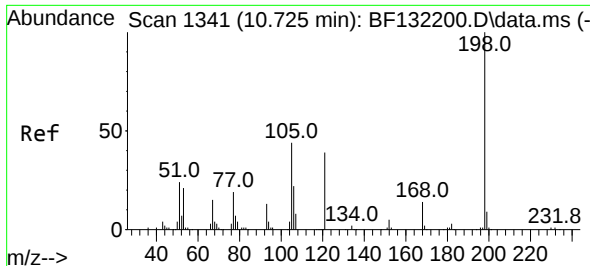
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.630 min Scan# 1495
Delta R.T. 0.000 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.5	12.7
80	9.6	9.2	13.8





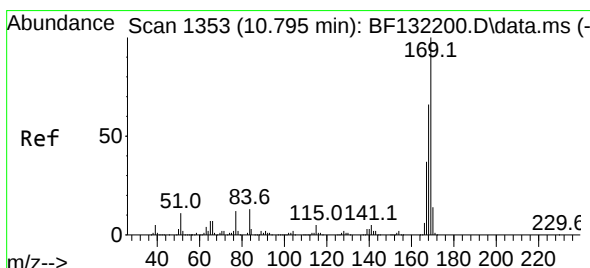
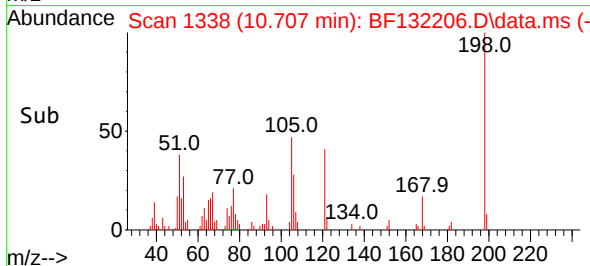
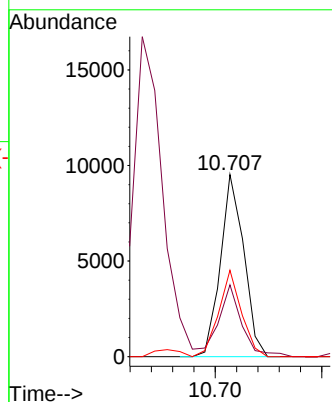
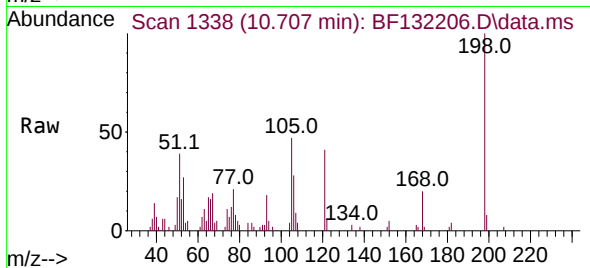
#65
4,6-Dinitro-2-methylphenol
Concen: 6.897 ng
RT: 10.707 min Scan# 1338
Delta R.T. -0.018 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:198 Resp: 7253
Ion Ratio Lower Upper
198 100
51 39.5 14.9 54.9
105 47.4 24.2 64.2

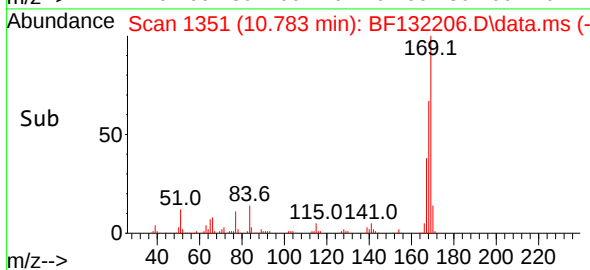
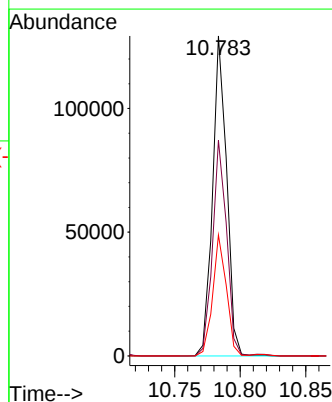
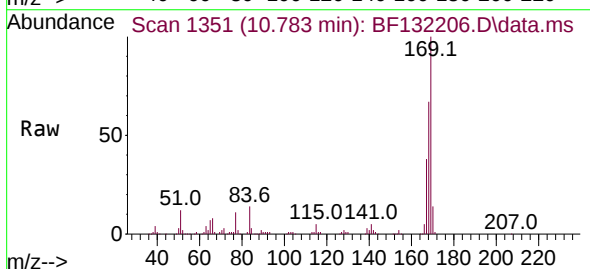
Manual Integrations
APPROVED

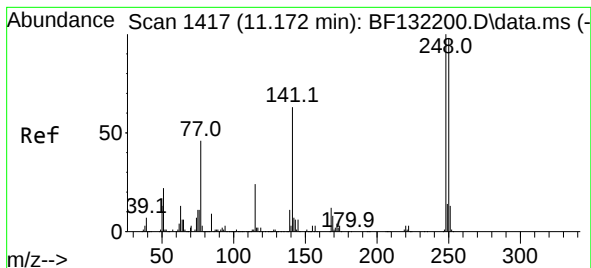
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023



#66
n-Nitrosodiphenylamine
Concen: 3.887 ng
RT: 10.783 min Scan# 1351
Delta R.T. -0.012 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

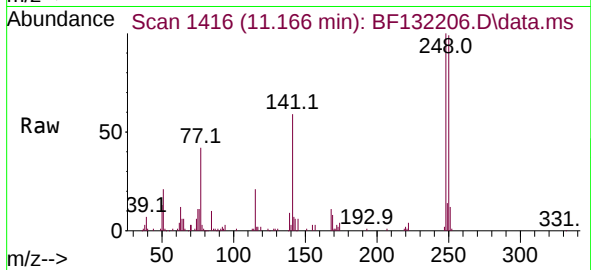
Tgt Ion:169 Resp: 96528
Ion Ratio Lower Upper
169 100
168 67.4 53.1 79.7
167 37.8 29.7 44.5





#67
4-Bromophenyl-phenylether
Concen: 3.677 ng
RT: 11.166 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

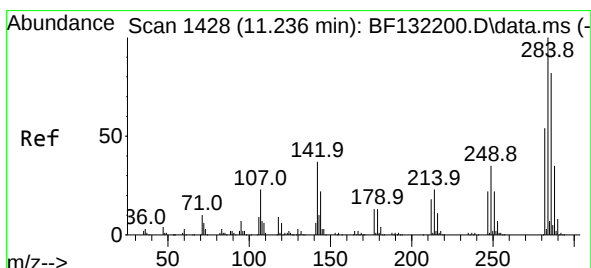
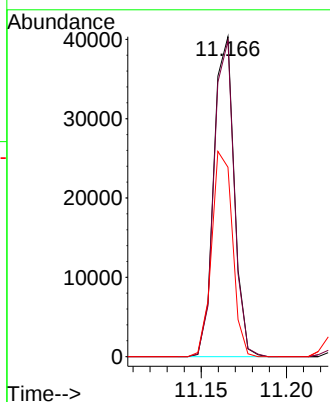
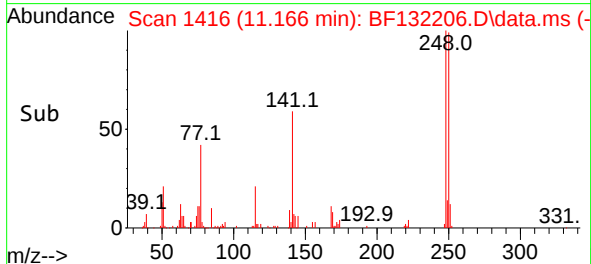
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



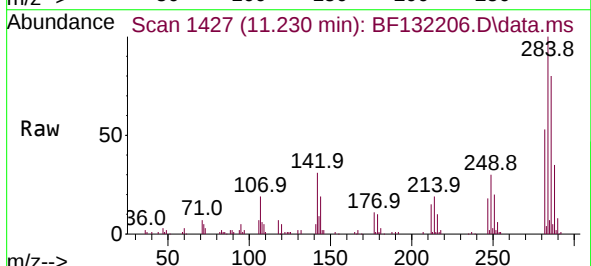
Tgt Ion:248 Resp: 33474
Ion Ratio Lower Upper
248 100
250 98.7 78.5 117.7
141 59.2 50.2 75.4

Manual Integrations
APPROVED

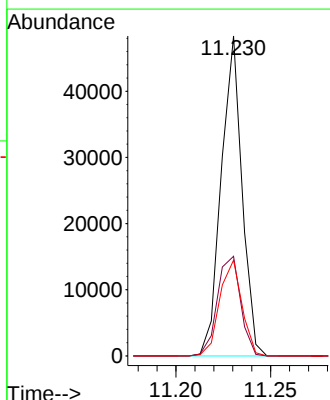
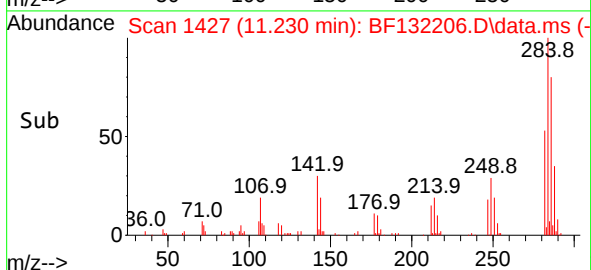
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023

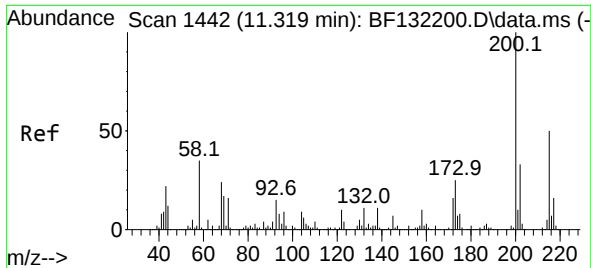


#68
Hexachlorobenzene
Concen: 4.088 ng
RT: 11.230 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23



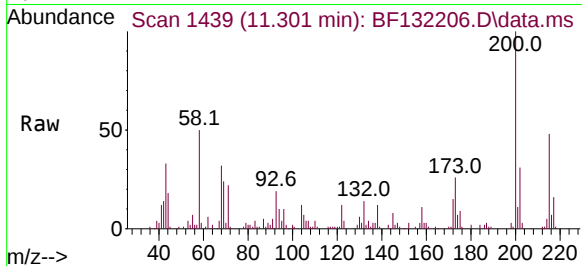
Tgt Ion:284 Resp: 36880
Ion Ratio Lower Upper
284 100
142 31.1 29.4 44.2
249 29.9 27.8 41.8





#69
Atrazine
Concen: 4.017 ng
RT: 11.301 min Scan# 1442
Delta R.T. -0.018 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

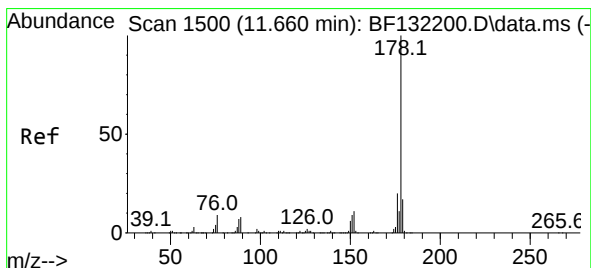
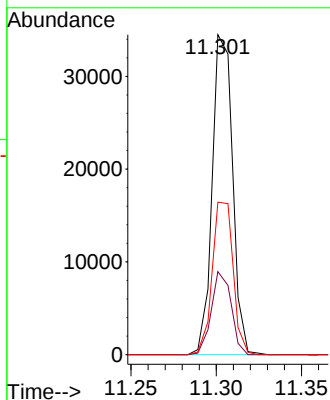
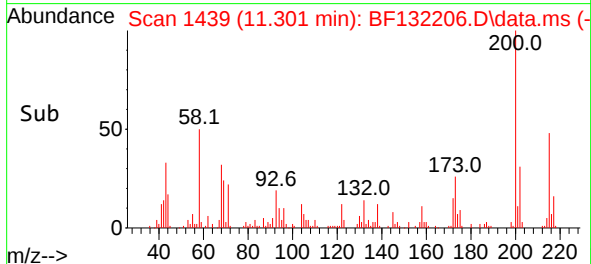
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:200 Resp: 28630
Ion Ratio Lower Upper
200 100
173 26.0 5.2 45.2
215 47.6 29.8 69.8

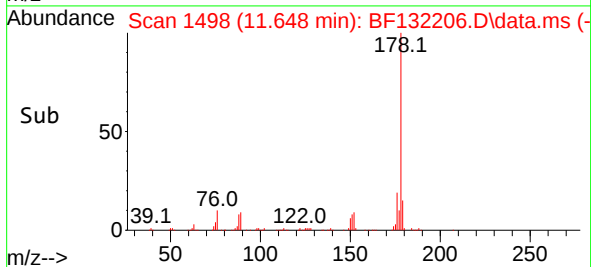
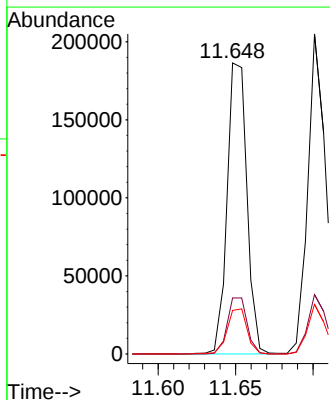
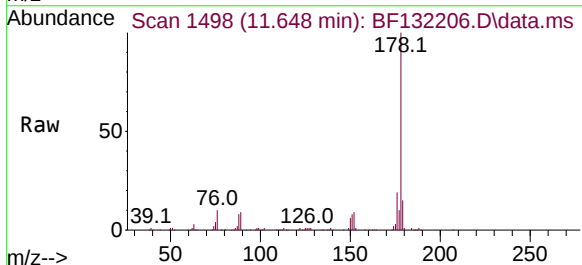
Manual Integrations
APPROVED

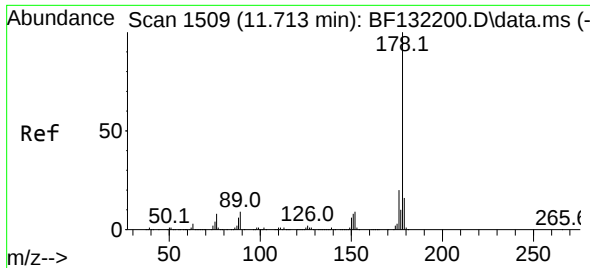
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023



#71
Phenanthrene
Concen: 4.120 ng
RT: 11.648 min Scan# 1498
Delta R.T. -0.012 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

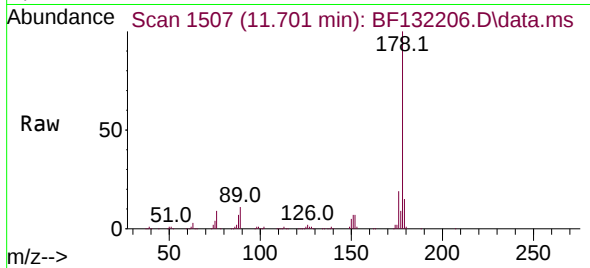
Tgt Ion:178 Resp: 165741
Ion Ratio Lower Upper
178 100
176 19.2 16.4 24.6
179 15.0 13.3 19.9





#72
 Anthracene
 Concen: 3.974 ng
 RT: 11.701 min Scan# 1507
 Delta R.T. -0.012 min
 Lab File: BF132206.D
 Acq: 27 Jan 2023 19:23

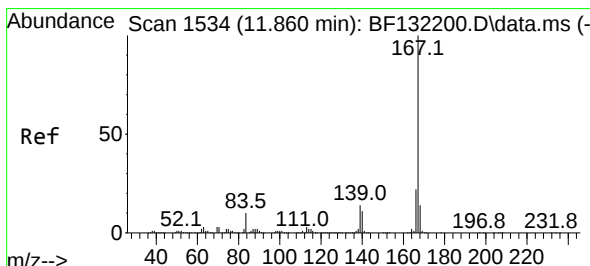
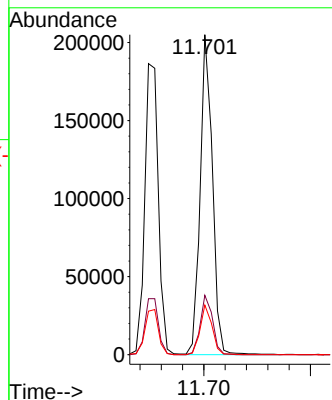
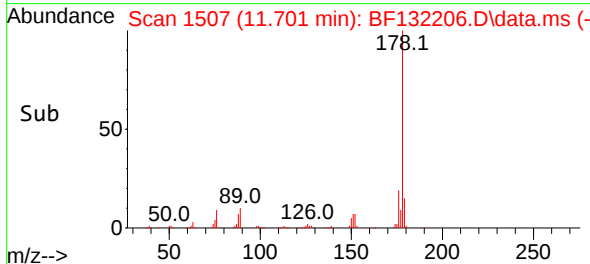
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022



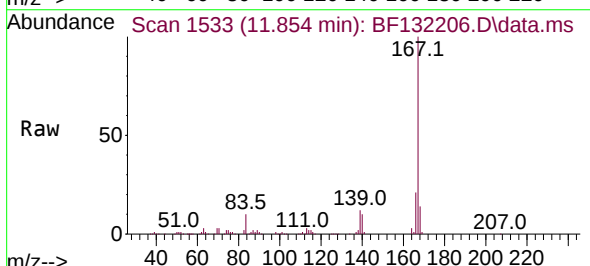
Tgt Ion:178 Resp: 16283
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.8 23.8
 179 15.5 13.0 19.6

Manual Integrations
 APPROVED

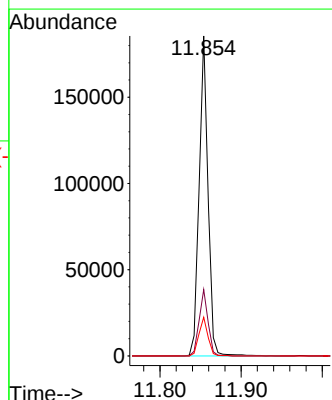
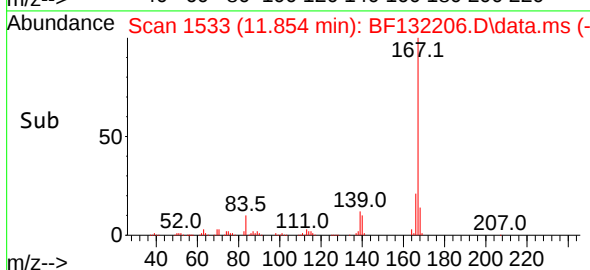
Reviewed By :Christian Giraldo 01/30/2023
 Supervised By :Jagrut Upadhyay 01/30/2023

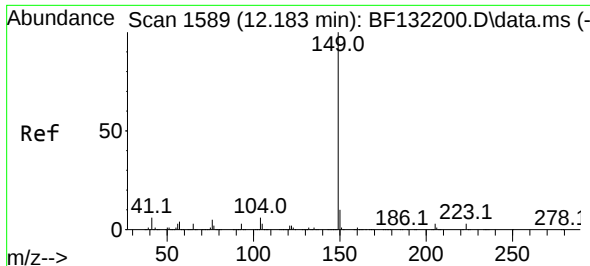


#73
 Carbazole
 Concen: 3.966 ng
 RT: 11.854 min Scan# 1533
 Delta R.T. -0.006 min
 Lab File: BF132206.D
 Acq: 27 Jan 2023 19:23



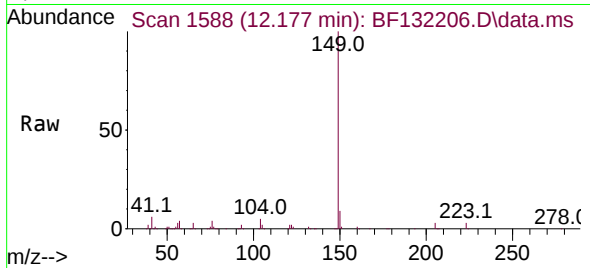
Tgt Ion:167 Resp: 139578
 Ion Ratio Lower Upper
 167 100
 166 20.7 17.5 26.3
 139 12.1 10.8 16.2





#74
Di-n-butylphthalate
Concen: 3.659 ng
RT: 12.177 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

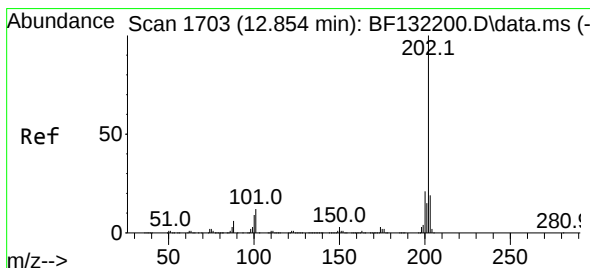
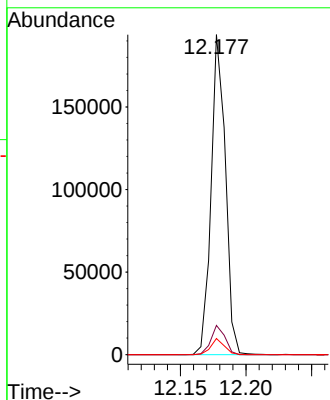
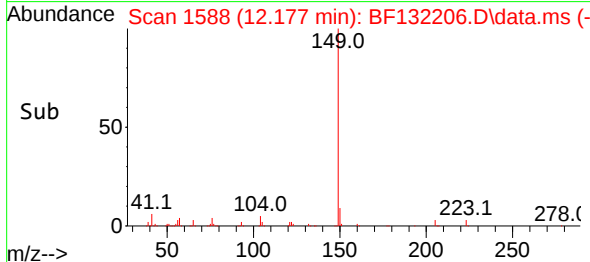
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



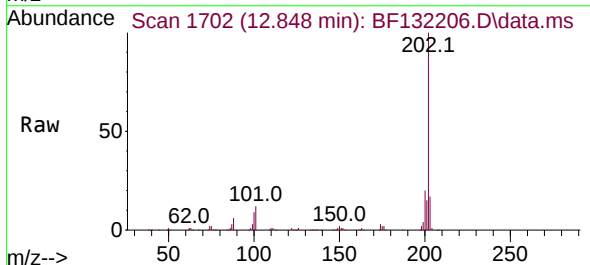
Tgt Ion:149 Resp: 146508
Ion Ratio Lower Upper
149 100
150 9.1 8.0 12.0
104 5.0 4.6 7.0

Manual Integrations
APPROVED

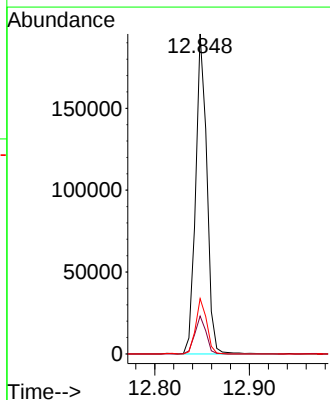
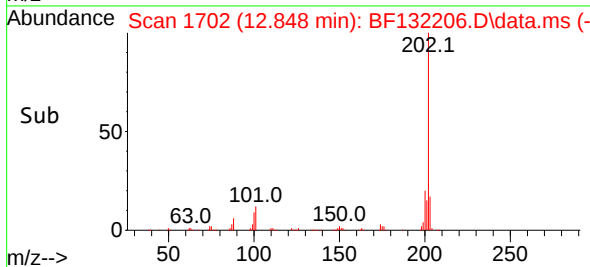
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023

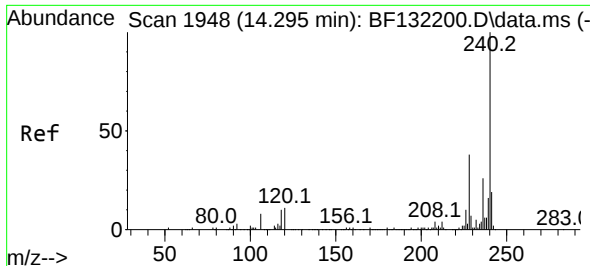


#75
Fluoranthene
Concen: 3.913 ng
RT: 12.848 min Scan# 1702
Delta R.T. -0.006 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23



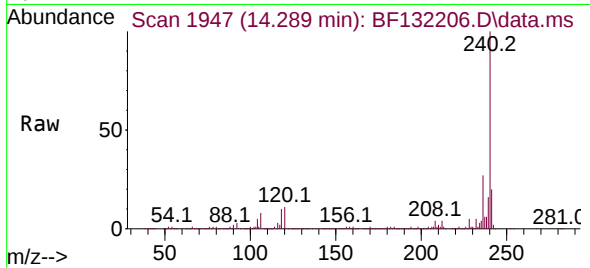
Tgt Ion:202 Resp: 160177
Ion Ratio Lower Upper
202 100
101 11.8 0.0 32.5
203 17.3 0.0 38.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.289 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

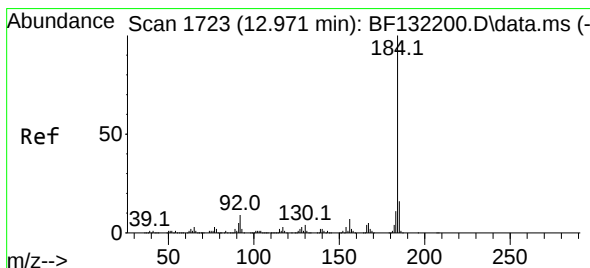
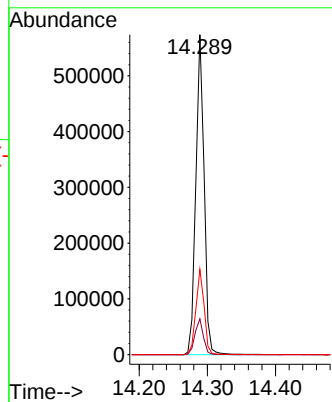
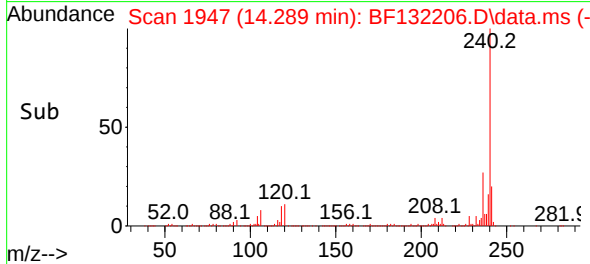
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:240 Resp: 486728
Ion Ratio Lower Upper
240 100
120 11.2 9.0 13.4
236 26.6 20.8 31.2

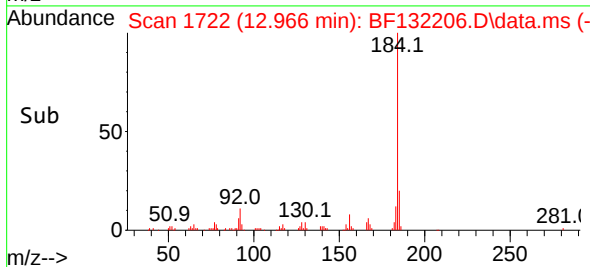
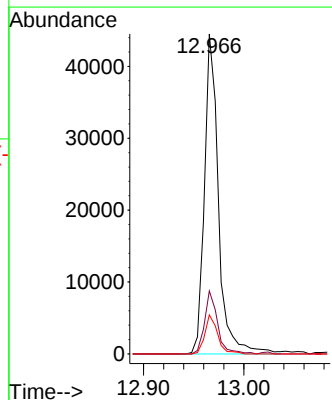
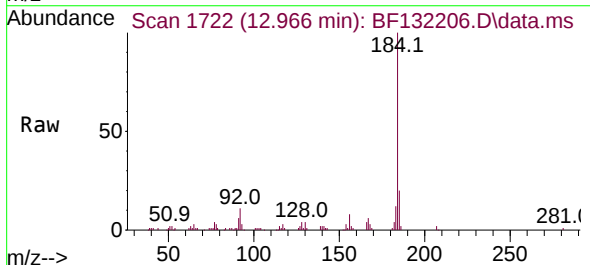
Manual Integrations
APPROVED

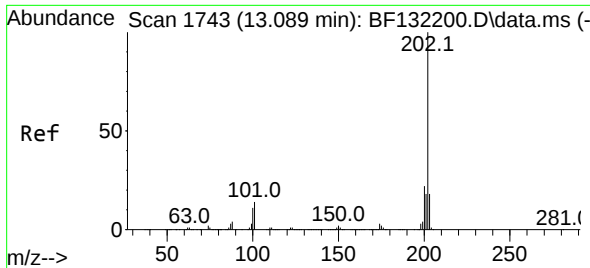
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023



#77
Benidine
Concen: 3.407 ng
RT: 12.966 min Scan# 1722
Delta R.T. -0.006 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

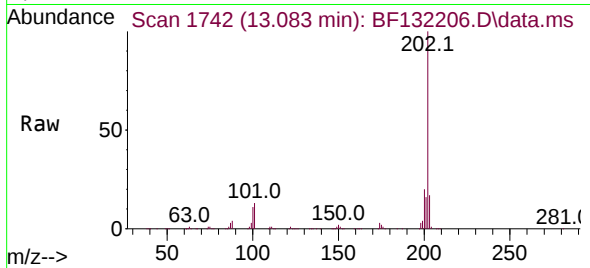
Tgt Ion:184 Resp: 43287
Ion Ratio Lower Upper
184 100
185 19.7 13.2 19.8
183 12.2 8.8 13.2





#78
Pyrene
Concen: 3.663 ng
RT: 13.083 min Scan# 1742
Delta R.T. -0.006 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

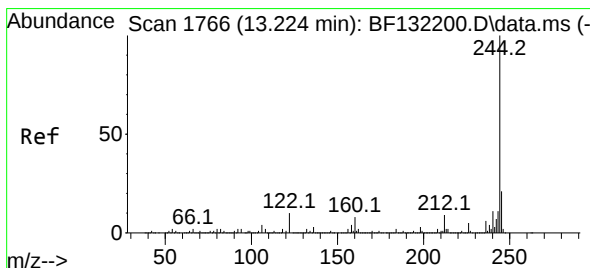
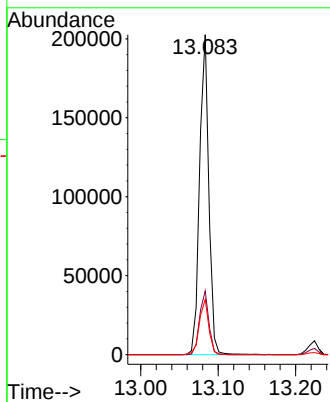
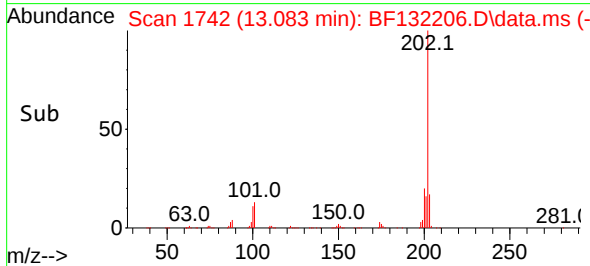
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:202 Resp: 167021
Ion Ratio Lower Upper
202 100
200 19.9 17.4 26.2
203 17.2 14.7 22.1

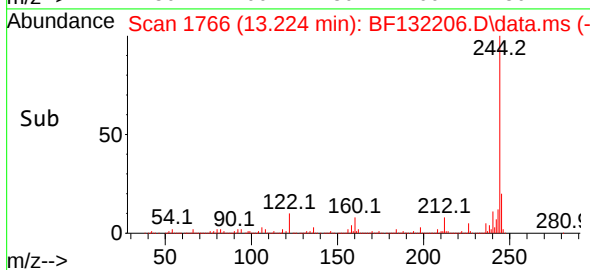
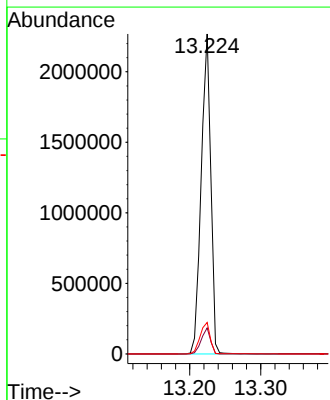
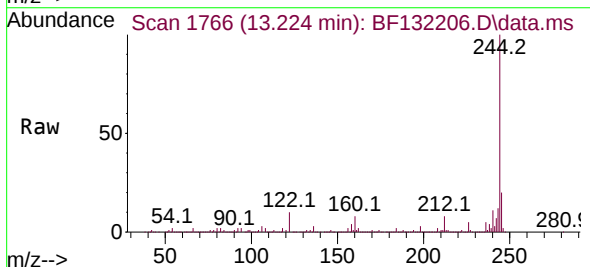
Manual Integrations
APPROVED

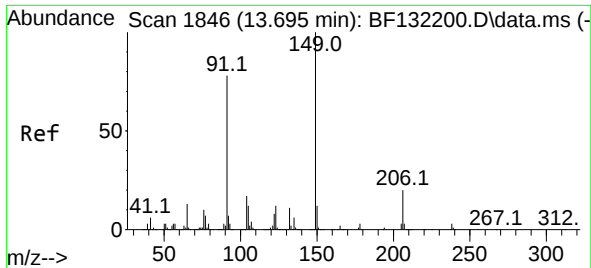
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023



#79
Terphenyl-d14
Concen: 67.899 ng
RT: 13.224 min Scan# 1766
Delta R.T. 0.000 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

Tgt Ion:244 Resp: 2103494
Ion Ratio Lower Upper
244 100
212 8.1 6.8 10.2
122 9.9 8.3 12.5





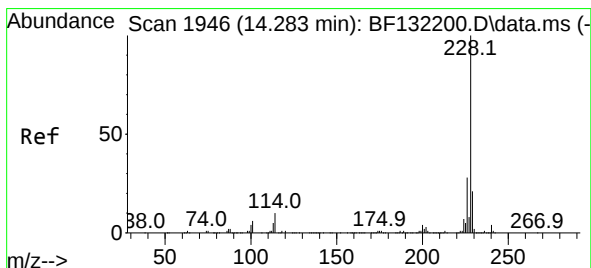
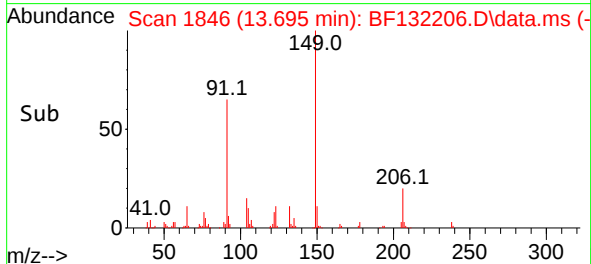
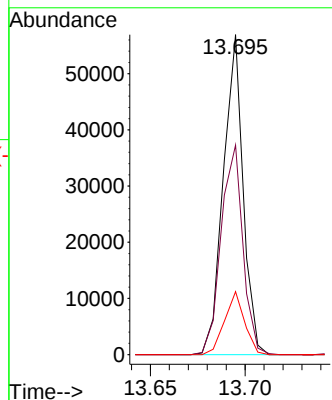
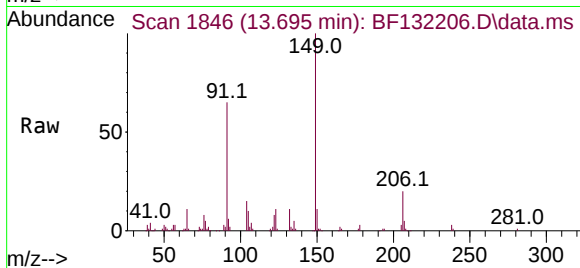
#80
Butylbenzylphthalate
Concen: 4.342 ng
RT: 13.695 min Scan# 1846
Delta R.T. -0.000 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:149 Resp: 41350
Ion Ratio Lower Upper
149 100
91 65.5 62.1 93.1
206 19.7 15.8 23.8

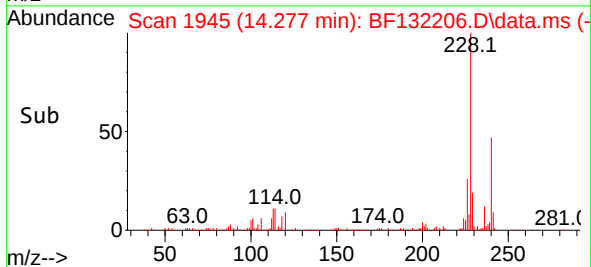
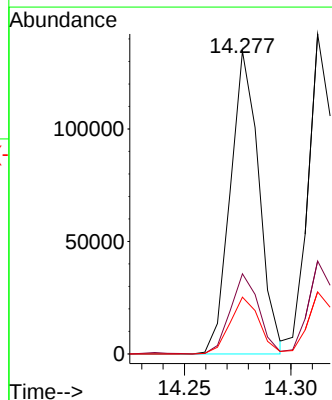
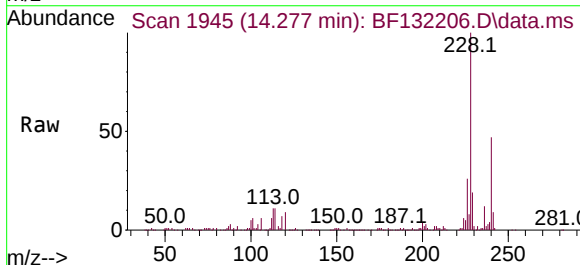
Manual Integrations
APPROVED

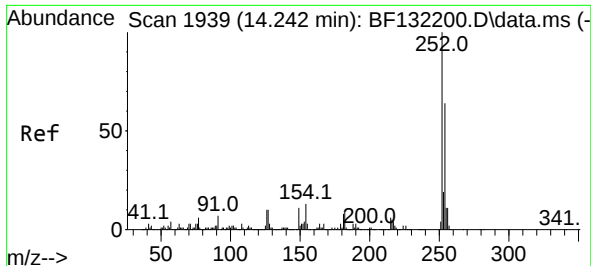
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023



#81
Benzo(a)anthracene
Concen: 3.661 ng
RT: 14.277 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

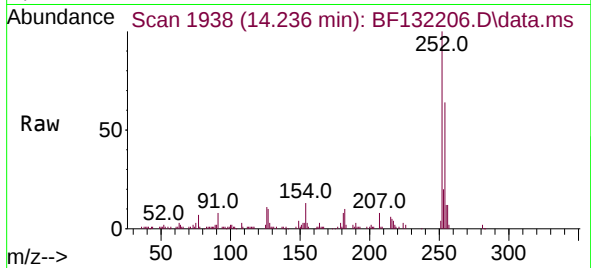
Tgt Ion:228 Resp: 125280
Ion Ratio Lower Upper
228 100
226 26.5 22.6 33.8
229 18.8 16.5 24.7





#82
3,3'-Dichlorobenzidine
Concen: 3.263 ng
RT: 14.236 min Scan# 1939
Delta R.T. -0.006 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

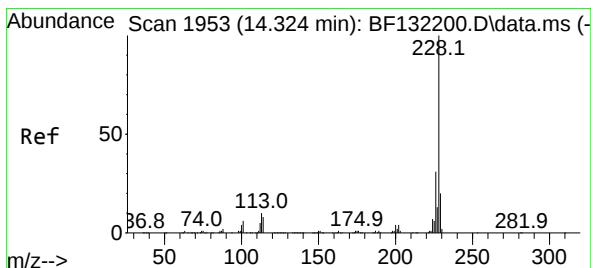
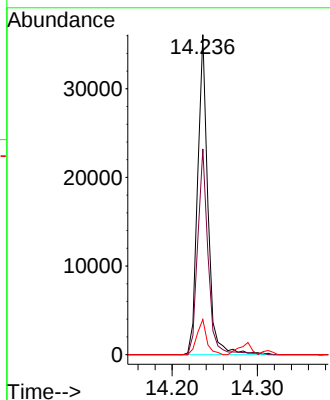
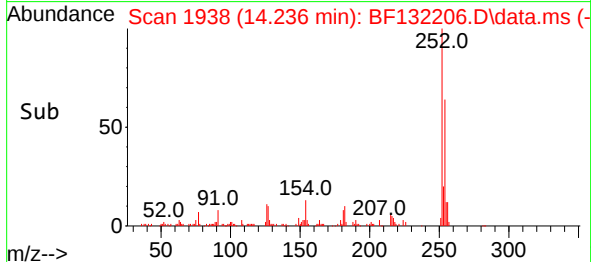
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:252 Resp: 30259
Ion Ratio Lower Upper
252 100
254 64.3 51.5 77.3
126 11.0 8.0 12.0

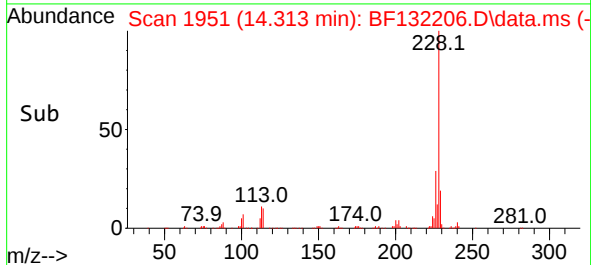
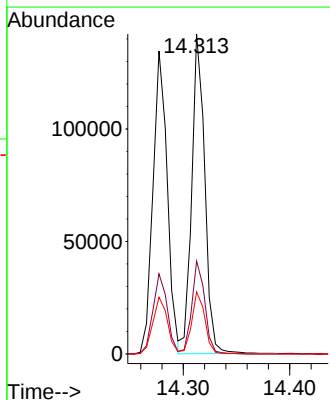
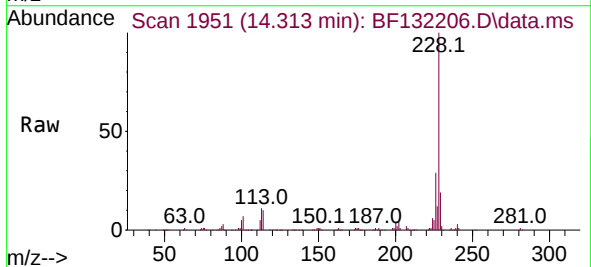
Manual Integrations
APPROVED

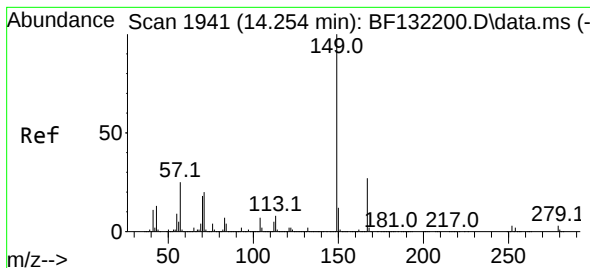
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023



#83
Chrysene
Concen: 3.791 ng
RT: 14.313 min Scan# 1951
Delta R.T. -0.012 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

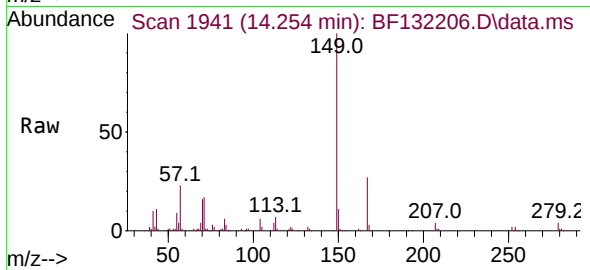
Tgt Ion:228 Resp: 120903
Ion Ratio Lower Upper
228 100
226 29.0 24.9 37.3
229 19.4 16.2 24.4





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.590 ng
RT: 14.254 min Scan# 1941
Delta R.T. -0.000 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

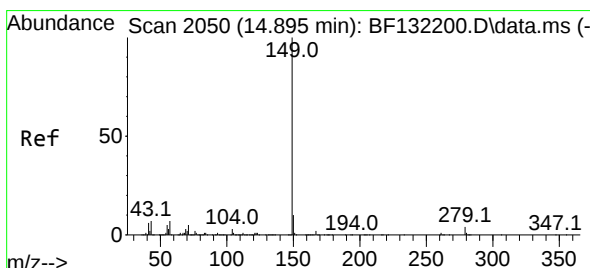
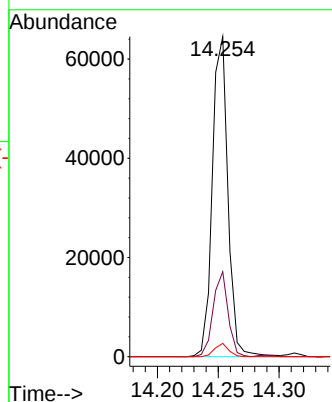
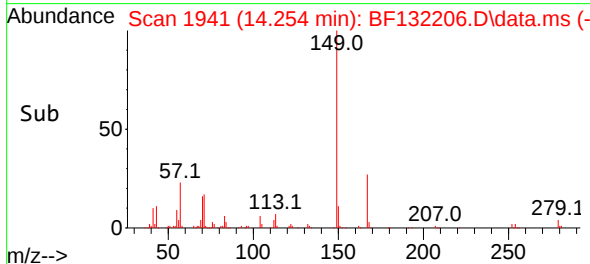
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



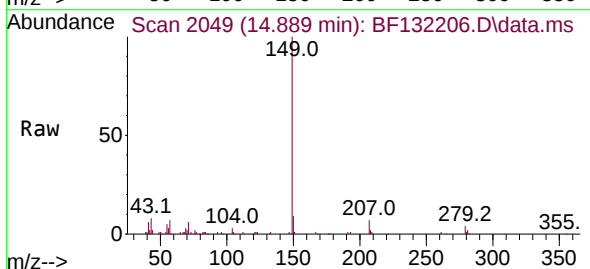
Tgt Ion:149 Resp: 57633
Ion Ratio Lower Upper
149 100
167 26.5 21.7 32.5
279 4.1 2.8 4.2

Manual Integrations
APPROVED

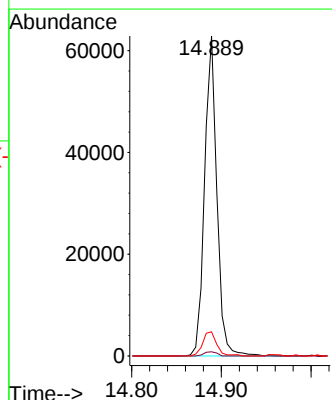
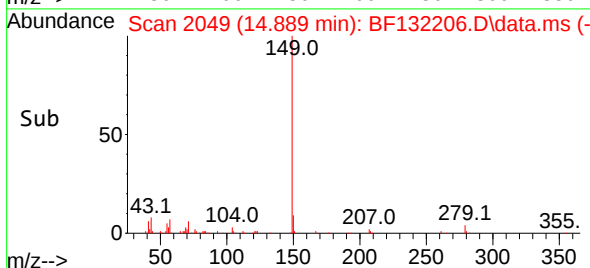
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023

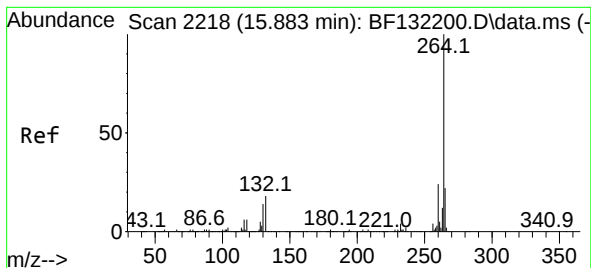


#85
Di-n-octyl phthalate
Concen: 7.063 ng
RT: 14.889 min Scan# 2049
Delta R.T. -0.006 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23



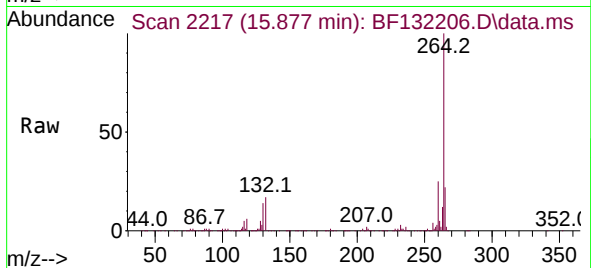
Tgt Ion:149 Resp: 59629
Ion Ratio Lower Upper
149 100
167 1.3 1.2 1.8
43 8.6 6.6 10.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.877 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

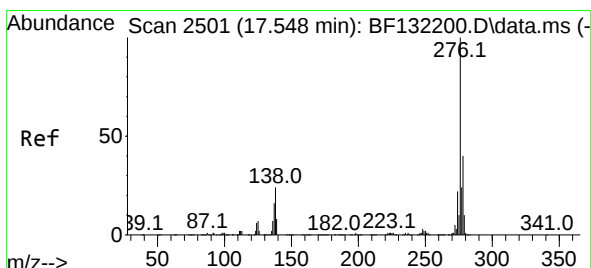
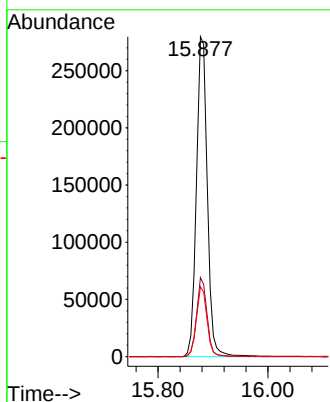
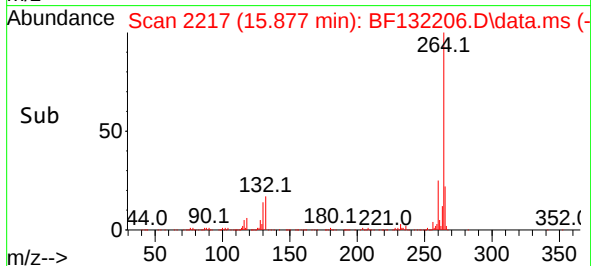
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



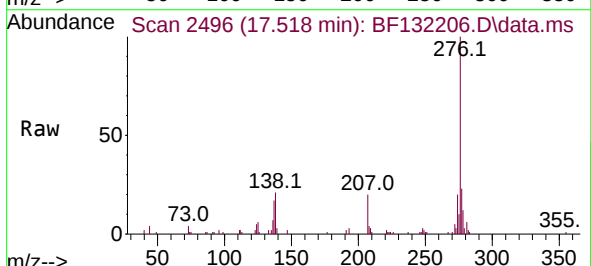
Tgt Ion:264 Resp: 38527
Ion Ratio Lower Upper
264 100
260 24.7 18.8 28.2
265 21.8 17.4 26.2

Manual Integrations
APPROVED

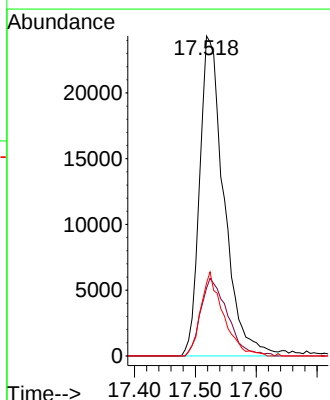
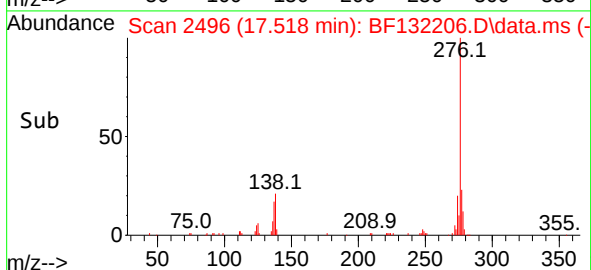
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023

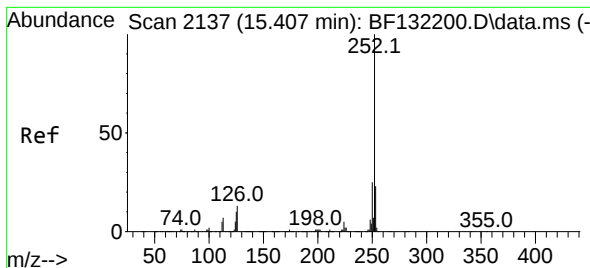


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.651 ng
RT: 17.518 min Scan# 2496
Delta R.T. -0.029 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23



Tgt Ion:276 Resp: 67536
Ion Ratio Lower Upper
276 100
138 26.8 21.0 31.6
277 24.3 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 3.646 ng

RT: 15.395 min Scan# 2137

Delta R.T. -0.012 min

Lab File: BF132206.D

Acq: 27 Jan 2023 19:23

Instrument :

BNA_F

ClientSampleId :

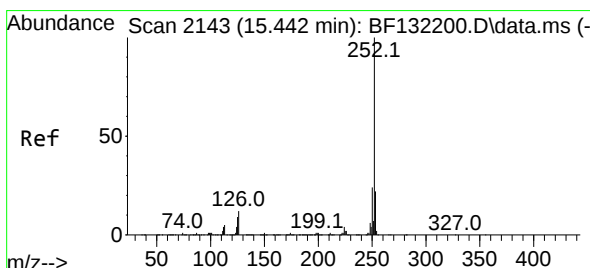
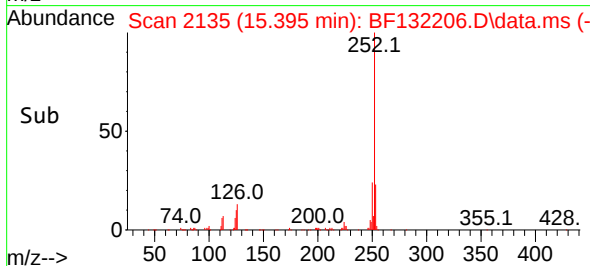
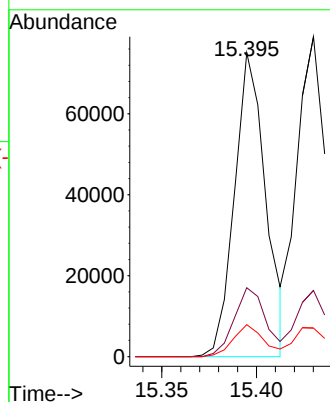
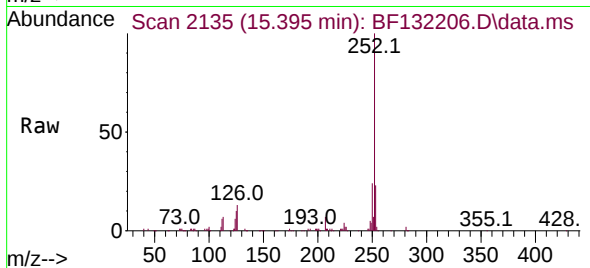
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:252 Resp: 86268
 Ion Ratio Lower Upper
 252 100
 253 22.6 18.0 27.0
 125 10.5 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/30/2023
 Supervised By :Jagrut Upadhyay 01/30/2023



#89

Benzo(k)fluoranthene

Concen: 3.784 ng

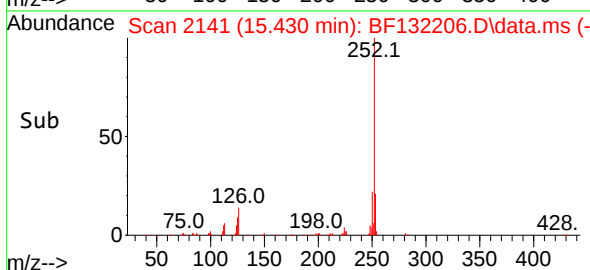
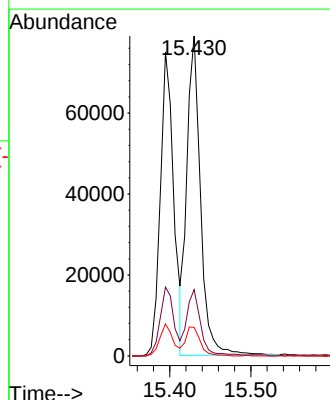
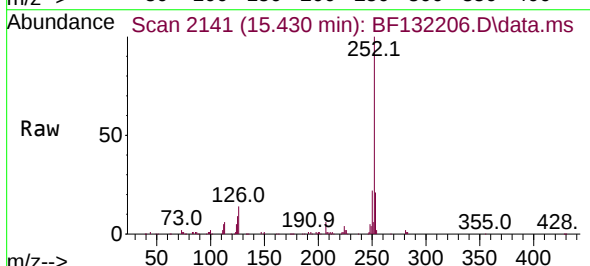
RT: 15.430 min Scan# 2141

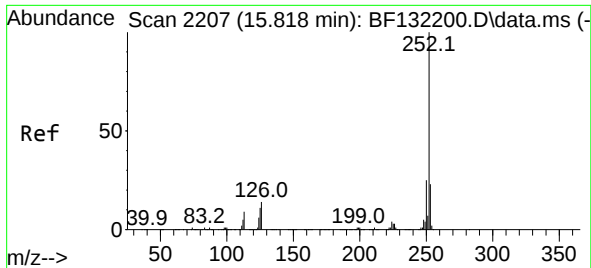
Delta R.T. -0.012 min

Lab File: BF132206.D

Acq: 27 Jan 2023 19:23

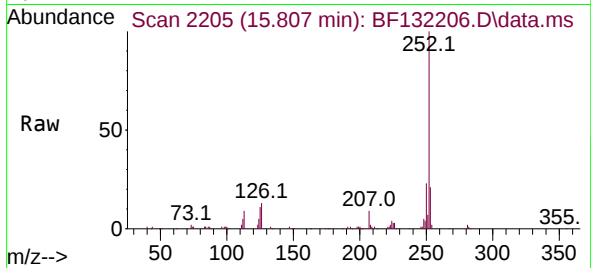
Tgt Ion:252 Resp: 92383
 Ion Ratio Lower Upper
 252 100
 253 20.7 17.8 26.6
 125 8.9 7.7 11.5





#90
Benzo(a)pyrene
Concen: 3.158 ng
RT: 15.807 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23

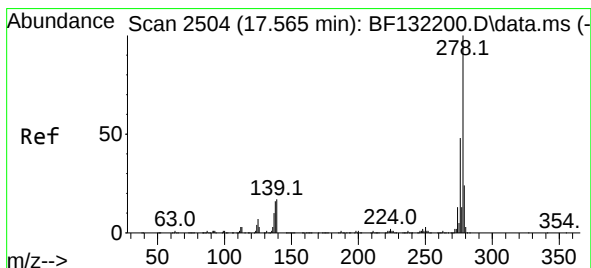
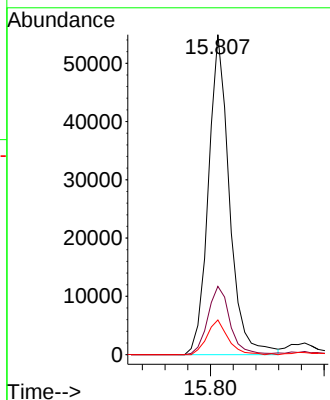
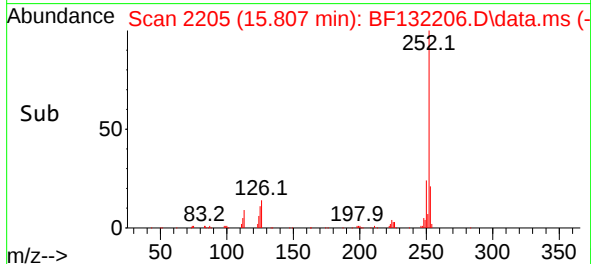
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



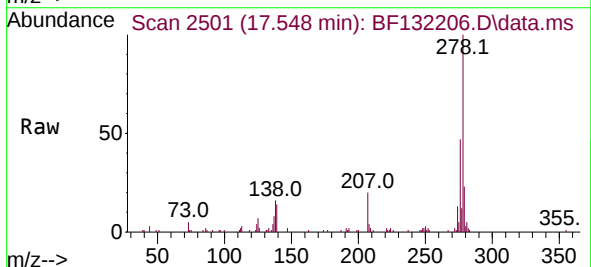
Tgt Ion:252 Resp: 70531
Ion Ratio Lower Upper
252 100
253 21.3 18.3 27.5
125 10.8 9.0 13.6

Manual Integrations
APPROVED

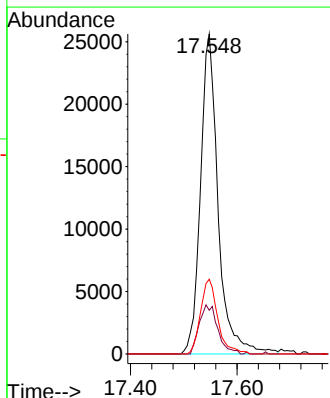
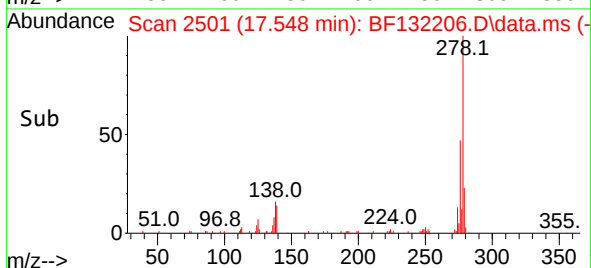
Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023

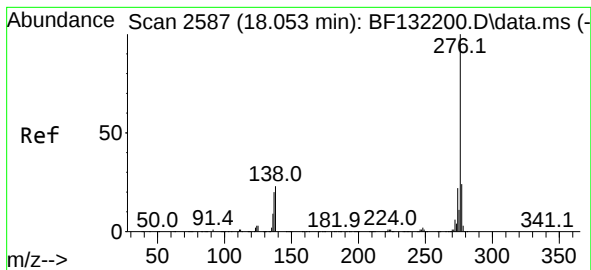


#91
Dibenzo(a,h)anthracene
Concen: 2.823 ng
RT: 17.548 min Scan# 2501
Delta R.T. -0.018 min
Lab File: BF132206.D
Acq: 27 Jan 2023 19:23



Tgt Ion:278 Resp: 58783
Ion Ratio Lower Upper
278 100
139 13.6 13.2 19.8
279 23.3 19.1 28.7





#92

Benzo(g,h,i)perylene

Concen: 2.790 ng

RT: 18.024 min Scan# 2587

Delta R.T. -0.029 min

Lab File: BF132206.D

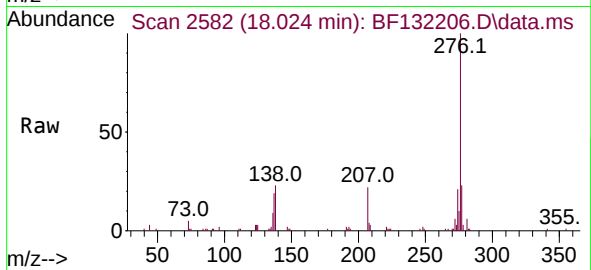
Acq: 27 Jan 2023 19:23

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



Tgt Ion: 276 Resp: 59238

Ion Ratio Lower Upper

276 100

277 22.5 19.1 28.7

138 23.4 18.3 27.5

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 01/30/2023

Supervised By : Jagrut Upadhyay 01/30/2023

