

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041123\
 Data File : BF132856.D
 Acq On : 11 Apr 2023 18:38
 Operator : CG\JU
 Sample : 01627-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023

Quant Time: Apr 12 04:14:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 12 04:14:35 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 04/12/2023
 Supervised By : Jagrut Upadhyay 04/12/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	224433	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	869062	20.000	ng	0.00
39) Acenaphthene-d10	9.804	164	447593	20.000	ng	0.00
64) Phenanthrene-d10	11.281	188	794084	20.000	ng	0.00
76) Chrysene-d12	13.916	240	593168	20.000	ng	0.00
86) Perylene-d12	15.345	264	523236	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	1513871	104.791	ng	0.00
7) Phenol-d6	6.398	99	1906434	102.318	ng	0.00
23) Nitrobenzene-d5	7.334	82	1259346	74.985	ng	0.00
42) 2,4,6-Tribromophenol	10.592	330	459032	115.396	ng	0.00
45) 2-Fluorobiphenyl	9.134	172	2110972	74.609	ng	0.00
79) Terphenyl-d14	12.875	244	2293536	66.995	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.687	88	53	5.448	ng	# 100
3) Pyridine	3.246	79	60627	3.058	ng	98
4) n-Nitrosodimethylamine	3.122	42	31998	3.340	ng	# 90
6) Aniline	6.434	93	90075	3.740	ng	97
8) 2-Chlorophenol	6.551	128	60958	4.195	ng	96
9) Benzaldehyde	6.316	77	56516	5.054	ng	99
10) Phenol	6.410	94	88598m	4.223	ng	
11) bis(2-Chloroethyl)ether	6.504	93	62668	4.029	ng	98
12) 1,3-Dichlorobenzene	6.710	146	69910	4.360	ng	97
13) 1,4-Dichlorobenzene	6.787	146	68582	4.244	ng	98
14) 1,2-Dichlorobenzene	6.940	146	65753	4.332	ng	97
15) Benzyl Alcohol	6.904	79	63068m	5.206	ng	
16) 2,2'-oxybis(1-Chloropr...	7.045	45	105416	4.059	ng	99
17) 2-Methylphenol	7.010	107	49307	3.721	ng	99
18) Hexachloroethane	7.281	117	22278	4.004	ng	92
19) n-Nitroso-di-n-propyla...	7.181	70	41660	3.927	ng	97
20) 3+4-Methylphenols	7.169	107	62016	3.917	ng	# 87
22) Acetophenone	7.175	105	92877	4.510	ng	# 98
24) Nitrobenzene	7.345	77	70710	4.155	ng	95
25) Isophorone	7.581	82	115443	3.855	ng	94
26) 2-Nitrophenol	7.663	139	19890	3.277	ng	96
27) 2,4-Dimethylphenol	7.698	122	51600	4.207	ng	96
28) bis(2-Chloroethoxy)met...	7.798	93	72147	4.060	ng	99
29) 2,4-Dichlorophenol	7.898	162	46724	4.013	ng	95
30) 1,2,4-Trichlorobenzene	7.992	180	54054	4.205	ng	99
31) Naphthalene	8.075	128	189437	4.272	ng	99
32) Benzoic acid	7.745	122	11232	2.188	ng	97
33) 4-Chloroaniline	8.116	127	66492	3.774	ng	96
34) Hexachlorobutadiene	8.198	225	27945	3.994	ng	96
35) Caprolactam	8.440	113	10766m	3.484	ng	
36) 4-Chloro-3-methylphenol	8.587	107	47449	3.820	ng	98
37) 2-Methylnaphthalene	8.763	142	123186	4.153	ng	99
38) 1-Methylnaphthalene	8.863	142	113376	4.098	ng	97
40) 1,2,4,5-Tetrachloroben...	8.928	216	51437	4.117	ng	99
41) Hexachlorocyclopentadiene	8.922	237	23158	3.443	ng	97
43) 2,4,6-Trichlorophenol	9.039	196	27613	3.597	ng	99

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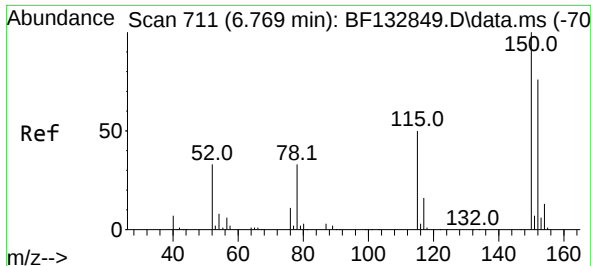
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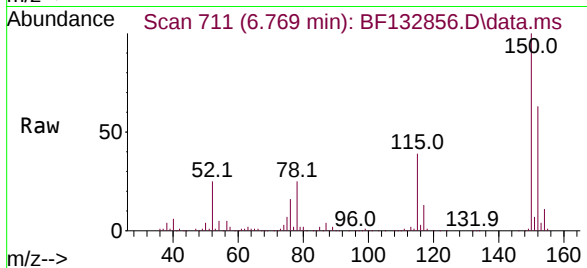
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.069	196	31368	3.460	ng	96
46) 1,1'-Biphenyl	9.228	154	157110	4.355	ng	99
47) 2-Chloronaphthalene	9.251	162	111604	4.226	ng	99
48) 2-Nitroaniline	9.339	65	18334	2.577	ng	97
49) Acenaphthylene	9.663	152	174170	4.080	ng	97
50) Dimethylphthalate	9.522	163	114854	3.974	ng	99
51) 2,6-Dinitrotoluene	9.581	165	19352	2.935	ng	97
52) Acenaphthene	9.834	154	112247	4.092	ng	99
53) 3-Nitroaniline	9.745	138	21271	2.789	ng	89
55) Dibenzofuran	10.004	168	160426	4.126	ng	99
56) 4-Nitrophenol	9.892	139	18493	3.076	ng	94
57) 2,4-Dinitrotoluene	9.981	165	22108	2.699	ng	96
58) Fluorene	10.345	166	122460	4.270	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.122	232	26143	3.787	ng	96
60) Diethylphthalate	10.222	149	94297	3.838	ng	96
61) 4-Chlorophenyl-phenyle...	10.345	204	54609	4.002	ng	97
62) 4-Nitroaniline	10.351	138	21440	2.943	ng	95
63) Azobenzene	10.504	77	124340	3.885	ng	97
66) n-Nitrosodiphenylamine	10.457	169	98071	4.047	ng	98
67) 4-Bromophenyl-phenylether	10.833	248	32011	3.798	ng	98
68) Hexachlorobenzene	10.898	284	35576	4.077	ng	99
69) Atrazine	10.981	200	22947	3.863	ng	99
70) Pentachlorophenol	11.086	266	16691	2.904	ng	98
71) Phenanthrene	11.304	178	184293	4.231	ng	97
72) Anthracene	11.357	178	185849	4.174	ng	97
73) Carbazole	11.510	167	158813	4.077	ng	97
74) Di-n-butylphthalate	11.857	149	83104	3.326	ng	99
75) Fluoranthene	12.492	202	163705	3.754	ng	98
77) Benzidine	12.616	184	11113	2.836	ng	# 88
78) Pyrene	12.716	202	176361	3.481	ng	98
80) Butylbenzylphthalate	13.345	149	5854	2.080	ng	92
81) Benzo(a)anthracene	13.904	228	148668	3.644	ng	97
82) 3,3'-Dichlorobenzidine	13.874	252	19124	2.953	ng	99
83) Chrysene	13.939	228	154170	3.839	ng	97
84) Bis(2-ethylhexyl)phtha...	13.916	149	10824	2.508	ng	# 90
87) Indeno(1,2,3-cd)pyrene	16.733	276	81746	2.739	ng	99
88) Benzo(b)fluoranthene	14.933	252	122133	3.617	ng	98
89) Benzo(k)fluoranthene	14.957	252	128989	3.719	ng	100
90) Benzo(a)pyrene	15.280	252	95192	3.143	ng	98
91) Dibenzo(a,h)anthracene	16.751	278	68847	2.787	ng	97
92) Benzo(g,h,i)perylene	17.151	276	68369	2.717	ng	95

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 711
Delta R.T. 0.000 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

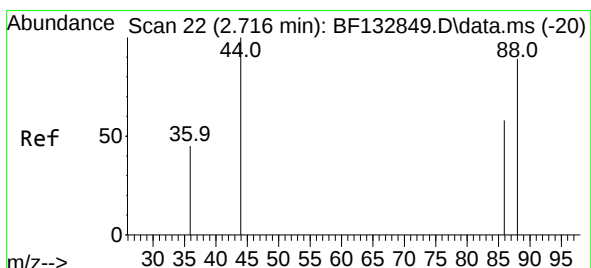
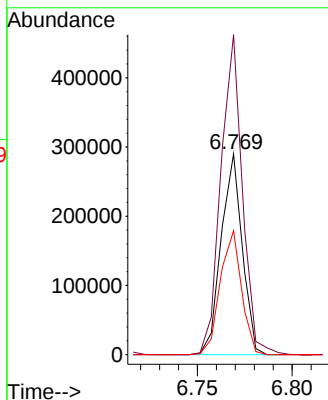
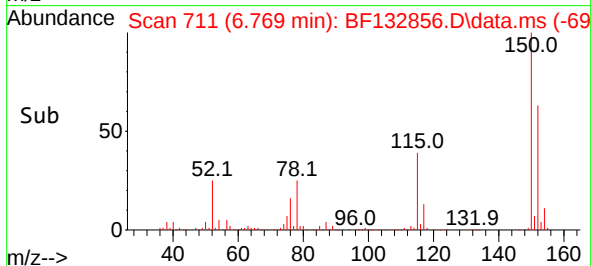
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



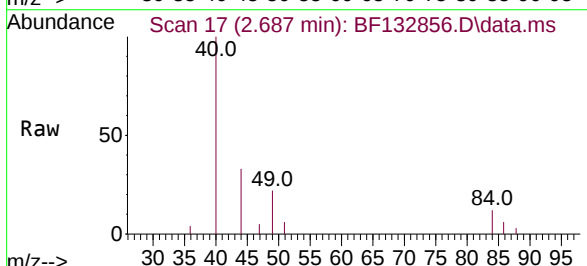
Tgt Ion: 152 Resp: 224433
Ion Ratio Lower Upper
152 100
150 159.4 127.8 191.6
115 61.7 52.2 78.4

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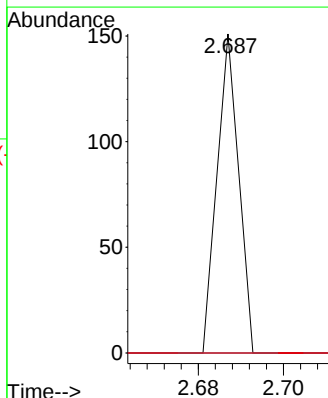
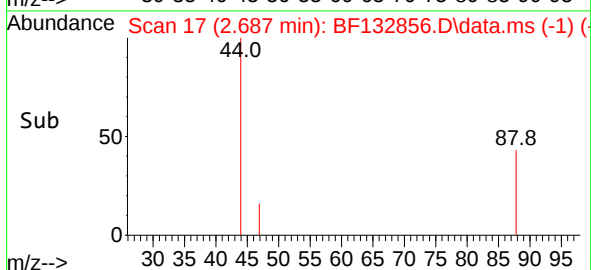
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023

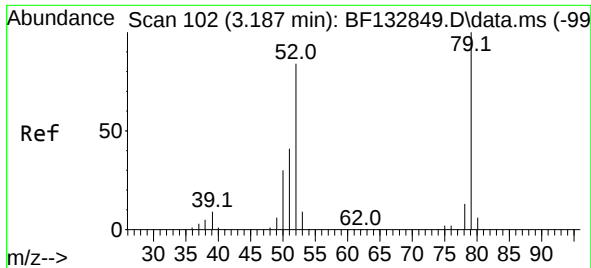


#2
1,4-Dioxane
Concen: 5.448 ng
RT: 2.687 min Scan# 17
Delta R.T. -0.029 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38



Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
58 0.0 0.0 0.0
43 0.0 0.0 0.0





#3

Pyridine

Concen: 3.058 ng

RT: 3.246 min Scan# 112

Delta R.T. 0.059 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

Instrument :

BNA_F

ClientSampleId :

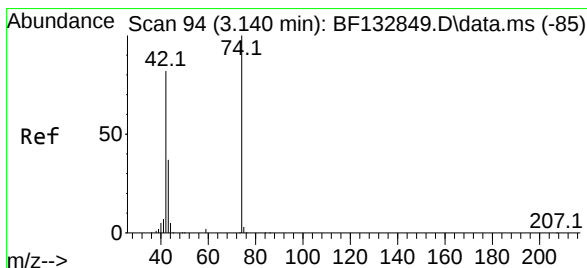
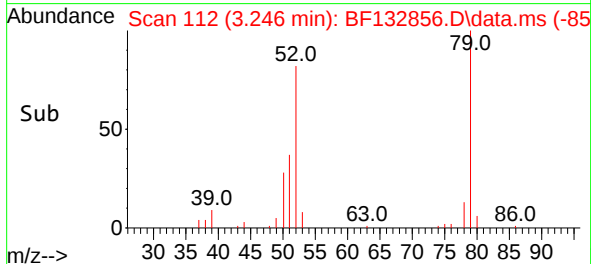
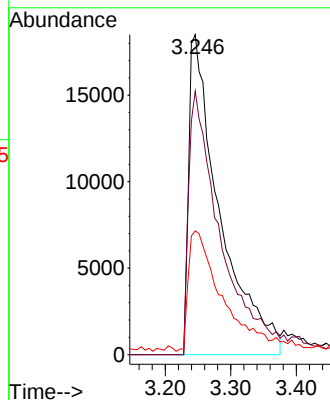
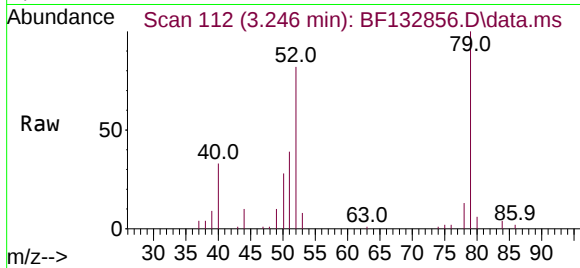
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion: 79	Resp: 6062
Ion Ratio	Lower Upper
79 100	
52 82.4	67.3 100.9
51 38.7	32.6 48.8

Manual Integrations

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#4

n-Nitrosodimethylamine

Concen: 3.340 ng

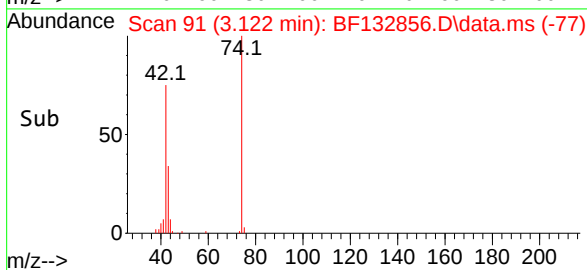
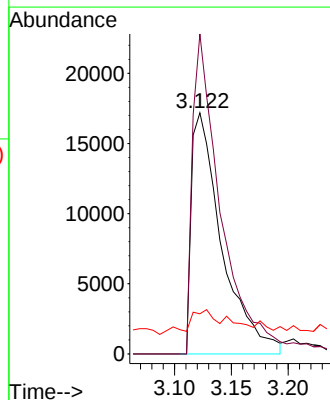
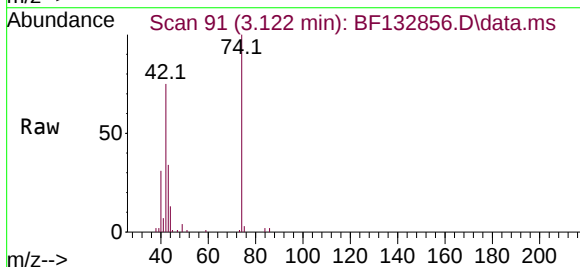
RT: 3.122 min Scan# 91

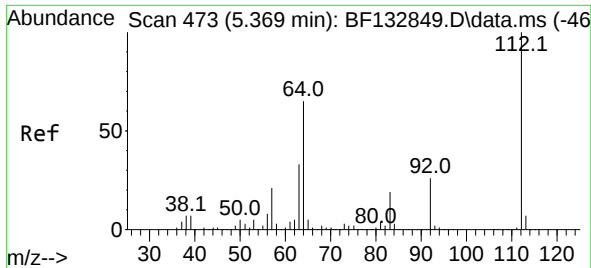
Delta R.T. -0.017 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

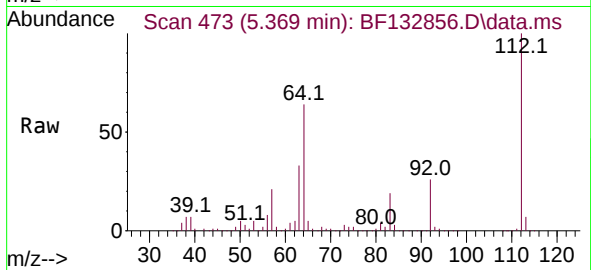
Tgt Ion: 42	Resp: 31998
Ion Ratio	Lower Upper
42 100	
74 132.8	97.7 146.5
44 16.7	6.0 9.0





#5
2-Fluorophenol
Concen: 104.791 ng
RT: 5.369 min Scan# 473
Delta R.T. 0.000 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

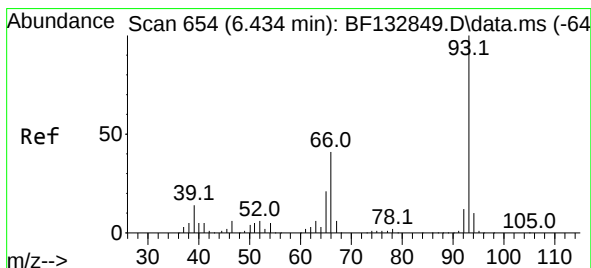
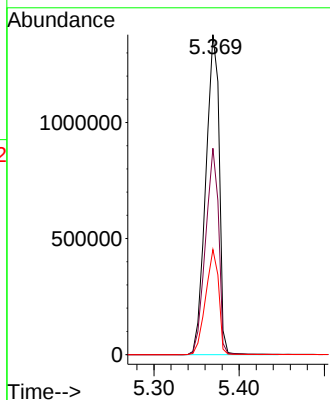
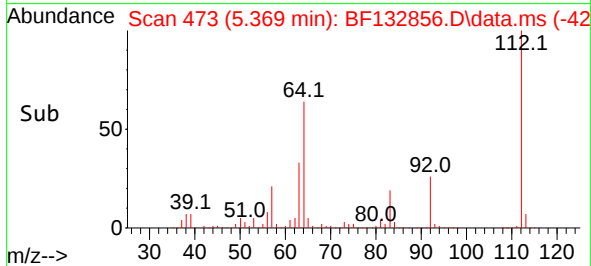
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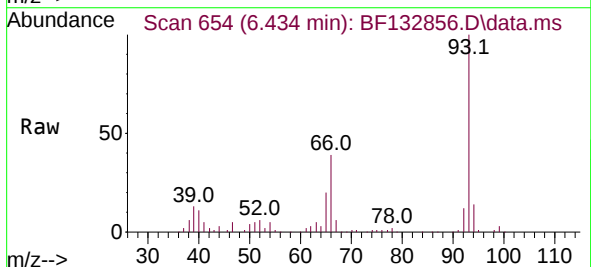
Tgt Ion:112 Resp: 151387
Ion Ratio Lower Upper
112 100
64 64.5 51.7 77.5
63 32.8 26.4 39.6

Manual Integrations
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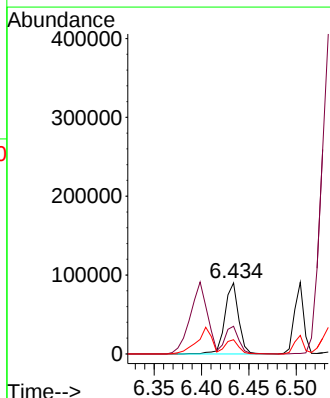
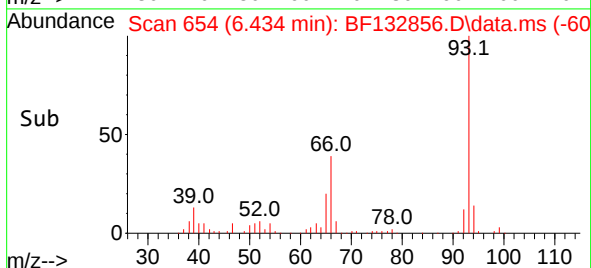
Reviewed By :Christian Giraldo 04/12/2023
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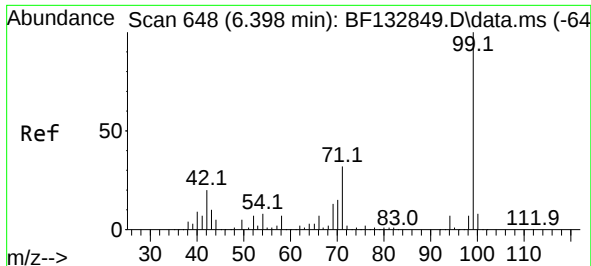


#6
Aniline
Concen: 3.740 ng
RT: 6.434 min Scan# 654
Delta R.T. 0.000 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38



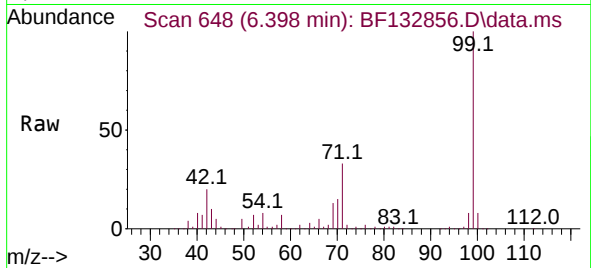
Tgt Ion: 93 Resp: 90075
Ion Ratio Lower Upper
93 100
66 39.0 33.0 49.4
65 20.0 16.8 25.2





#7
Phenol-d6
Concen: 102.318 ng
RT: 6.398 min Scan# 648
Delta R.T. 0.000 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

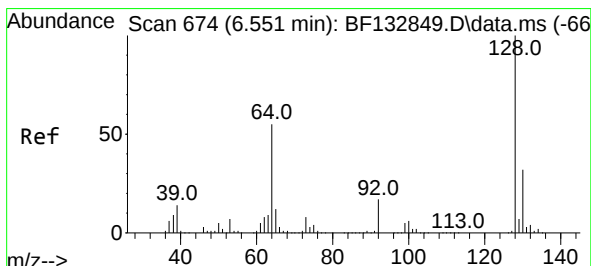
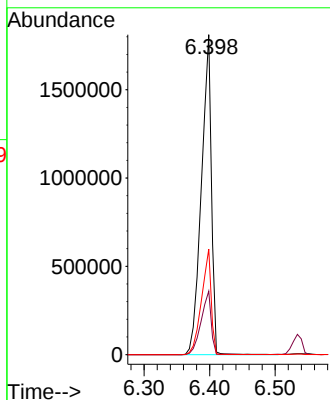
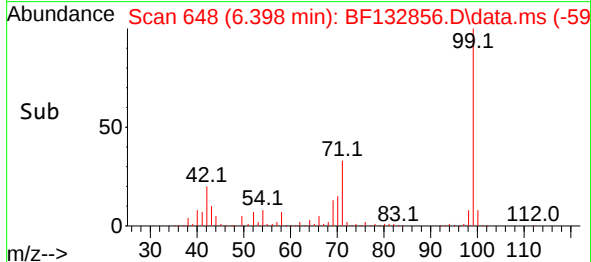
Instrument :
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ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 99 Resp: 1906434
Ion Ratio Lower Upper
99 100
42 19.9 16.3 24.5
71 33.0 25.8 38.6

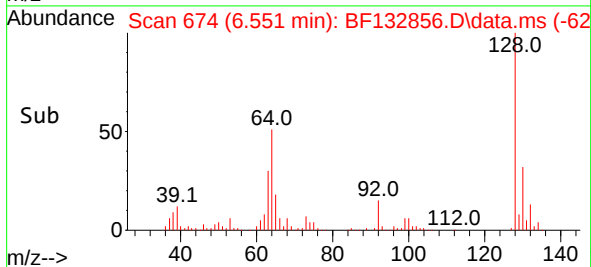
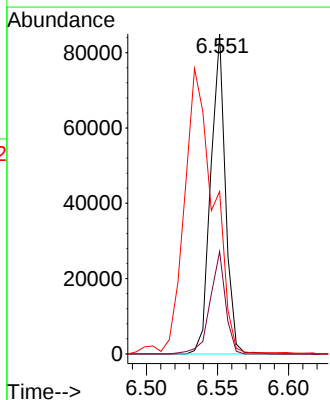
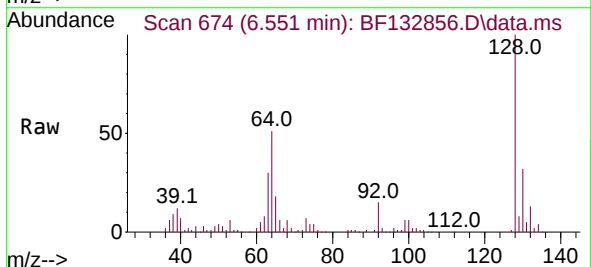
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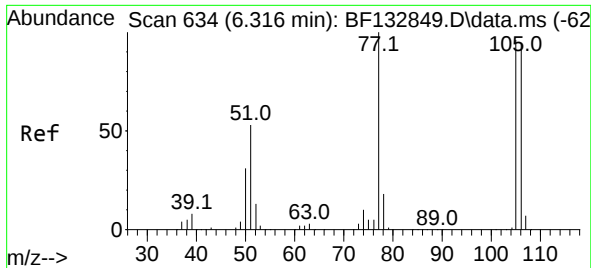
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#8
2-Chlorophenol
Concen: 4.195 ng
RT: 6.551 min Scan# 674
Delta R.T. 0.000 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

Tgt Ion:128 Resp: 60958
Ion Ratio Lower Upper
128 100
130 32.0 12.3 52.3
64 50.7 35.4 75.4





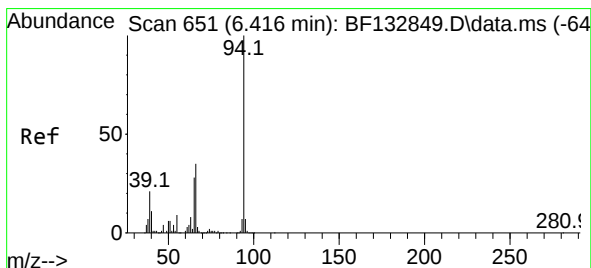
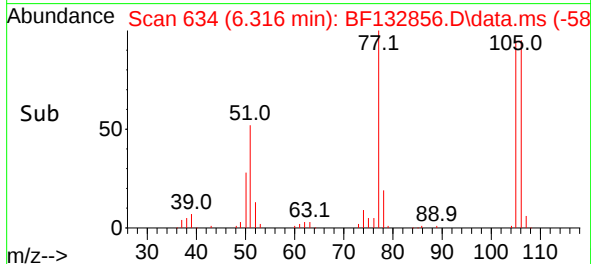
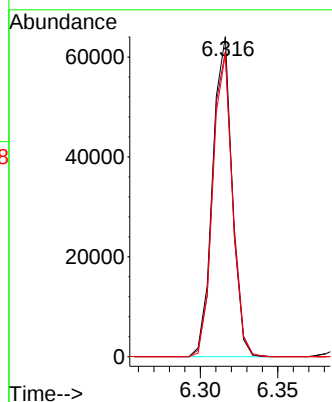
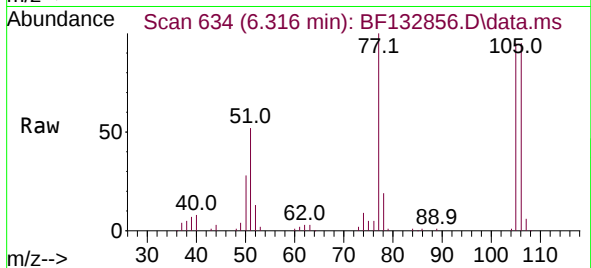
#9
Benzaldehyde
Concen: 5.054 ng
RT: 6.316 min Scan# 634
Delta R.T. 0.000 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion: 77 Resp: 56516
Ion Ratio Lower Upper
77 100
105 95.2 76.4 116.4
106 94.5 73.8 113.8

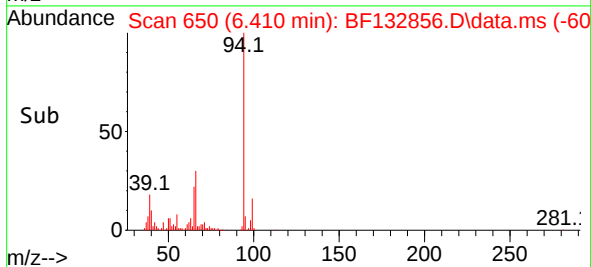
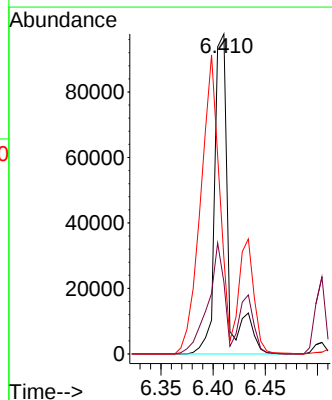
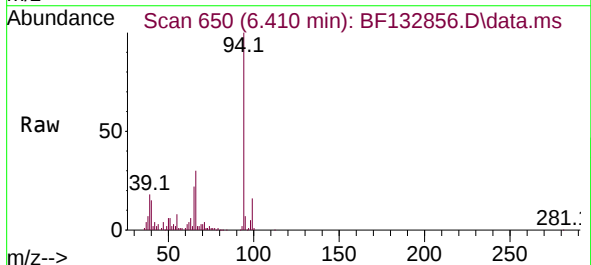
Manual Integrations
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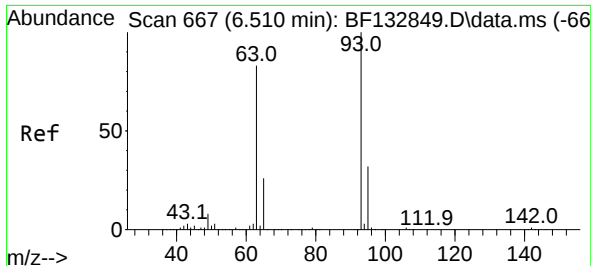
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#10
Phenol
Concen: 4.223 ng m
RT: 6.410 min Scan# 650
Delta R.T. -0.006 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

Tgt Ion: 94 Resp: 88598
Ion Ratio Lower Upper
94 100
65 22.5 7.7 47.7
66 30.0 15.2 55.2





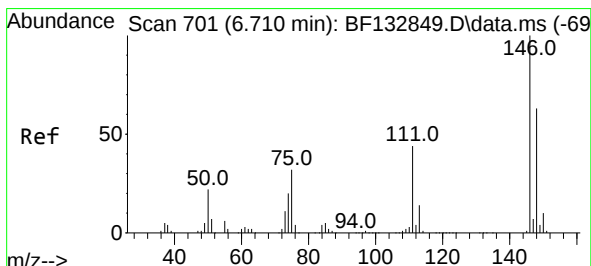
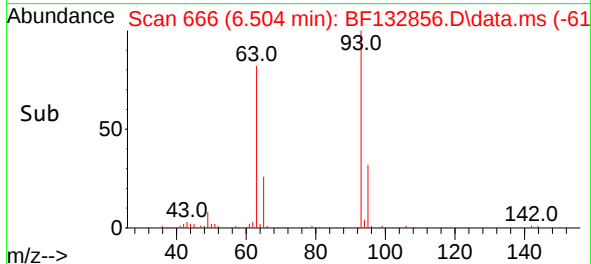
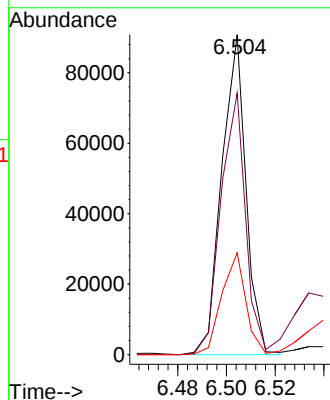
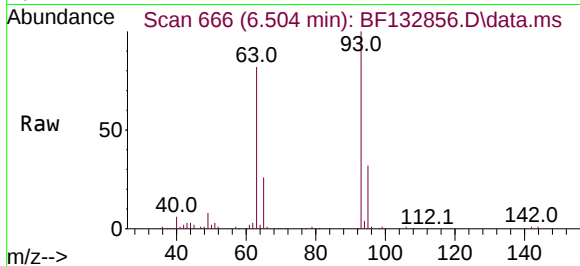
#11
bis(2-Chloroethyl)ether
Concen: 4.029 ng
RT: 6.504 min Scan# 60
Delta R.T. -0.006 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion: 93 Resp: 62668
Ion Ratio Lower Upper
93 100
63 81.8 63.3 103.3
95 31.8 12.4 52.4

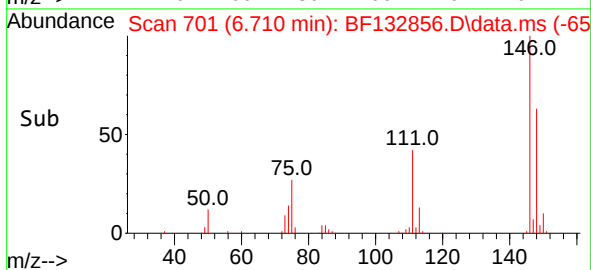
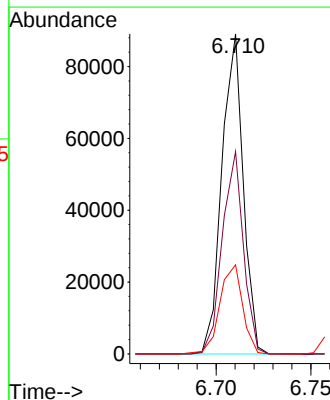
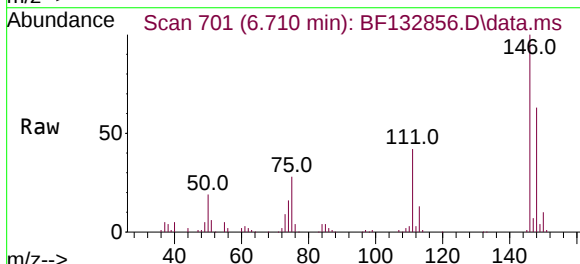
Manual Integrations
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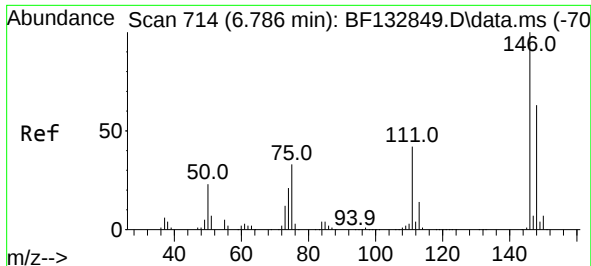
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#12
1,3-Dichlorobenzene
Concen: 4.360 ng
RT: 6.710 min Scan# 701
Delta R.T. 0.000 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

Tgt Ion:146 Resp: 69910
Ion Ratio Lower Upper
146 100
148 63.2 50.6 76.0
75 27.8 25.8 38.6





#13

1,4-Dichlorobenzene

Concen: 4.244 ng

RT: 6.787 min Scan# 714

Delta R.T. 0.000 min

Lab File: BF132856.D

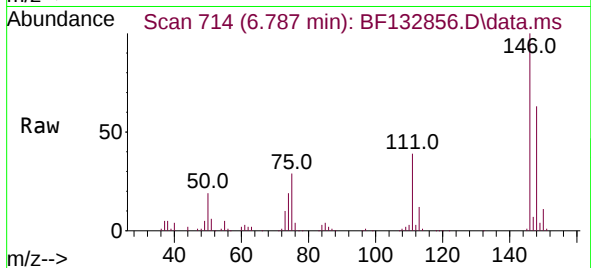
Acq: 11 Apr 2023 18:38

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:146 Resp: 68582

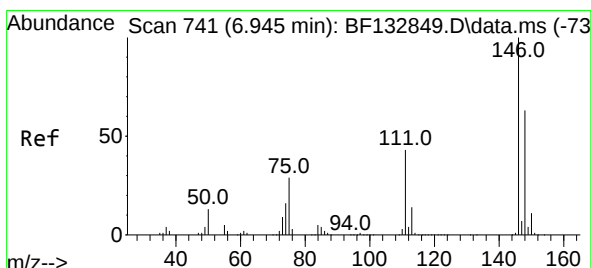
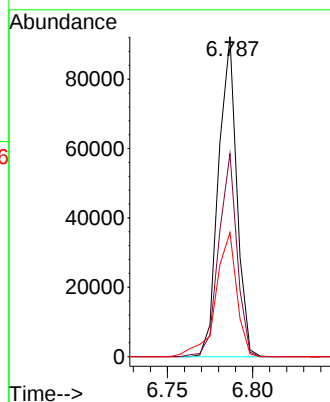
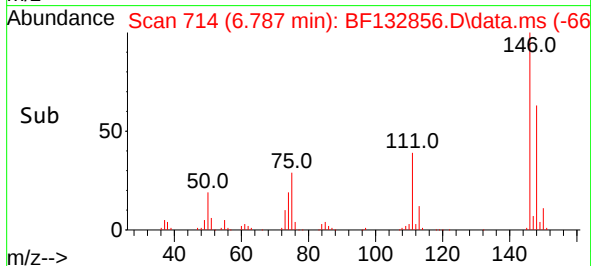
Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.6	76.0
111	38.8	33.8	50.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/12/2023

Supervised By :Jagrut Upadhyay 04/12/2023



#14

1,2-Dichlorobenzene

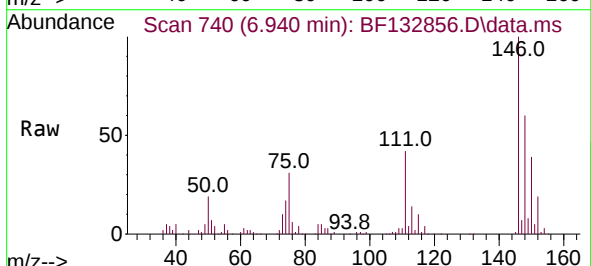
Concen: 4.332 ng

RT: 6.940 min Scan# 740

Delta R.T. -0.006 min

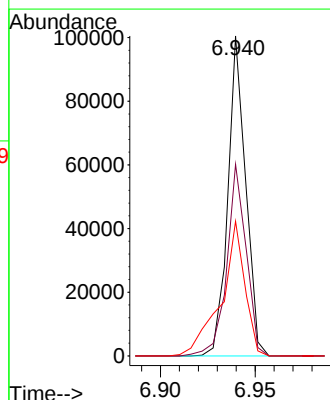
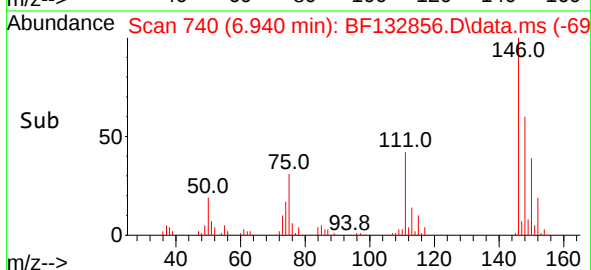
Lab File: BF132856.D

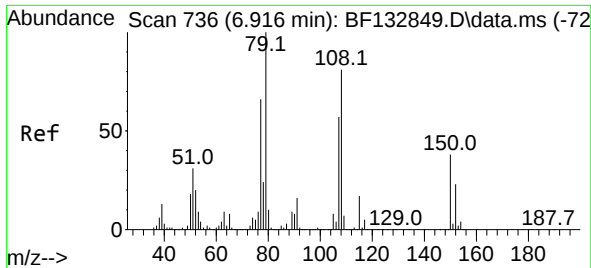
Acq: 11 Apr 2023 18:38



Tgt Ion:146 Resp: 65753

Ion	Ratio	Lower	Upper
146	100		
148	59.9	50.6	75.8
111	42.1	34.2	51.4





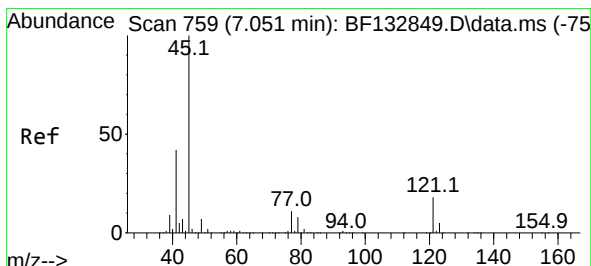
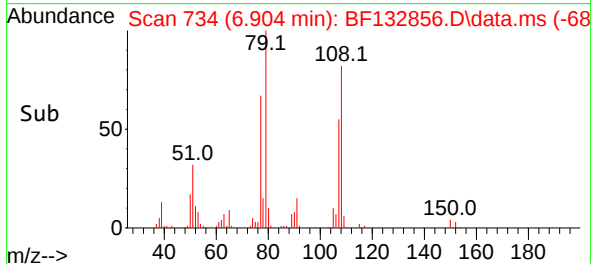
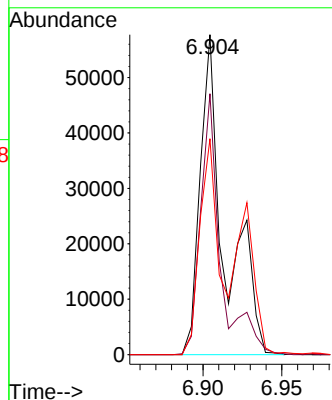
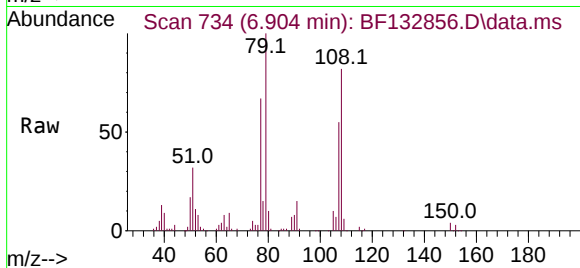
#15
Benzyl Alcohol
Concen: 5.206 ng m
RT: 6.904 min Scan# 734
Delta R.T. -0.012 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion: 79 Resp: 63068
Ion Ratio Lower Upper
79 100
108 81.5 65.0 97.6
77 67.5 53.0 79.4

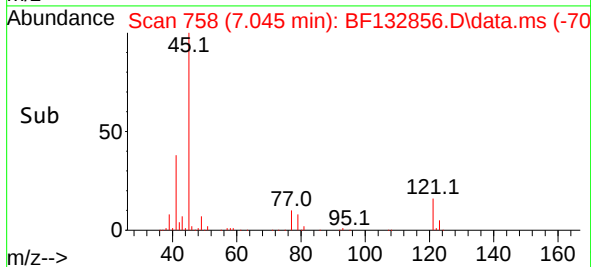
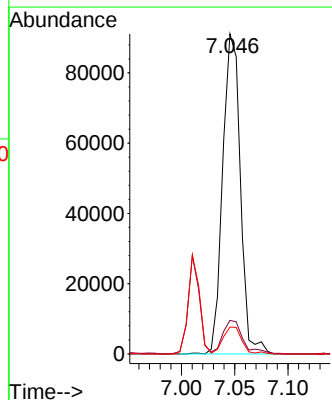
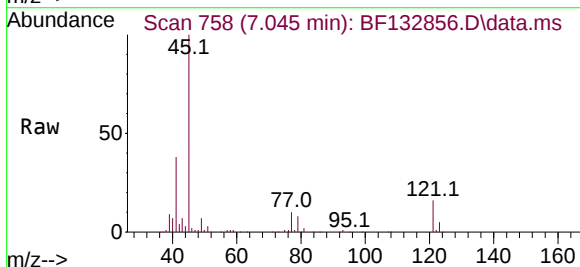
Manual Integrations
APPROVED

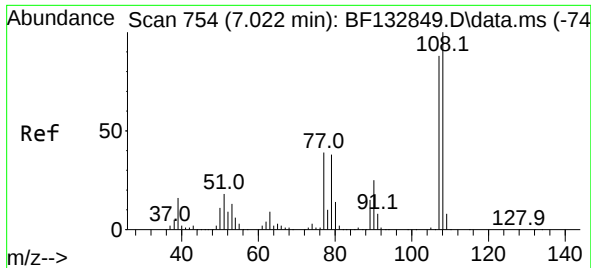
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.059 ng
RT: 7.045 min Scan# 758
Delta R.T. -0.006 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

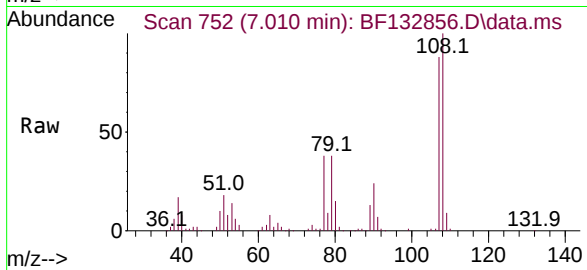
Tgt Ion: 45 Resp: 105416
Ion Ratio Lower Upper
45 100
77 10.5 0.0 31.2
79 8.4 0.0 28.5





#17
2-Methylphenol
Concen: 3.721 ng
RT: 7.010 min Scan# 754
Delta R.T. -0.012 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

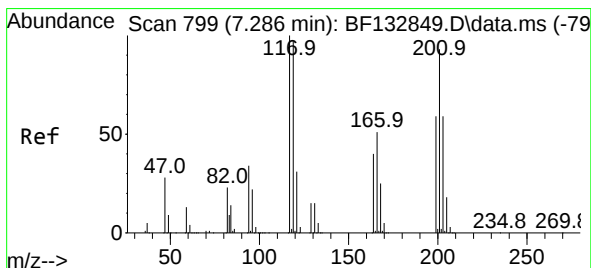
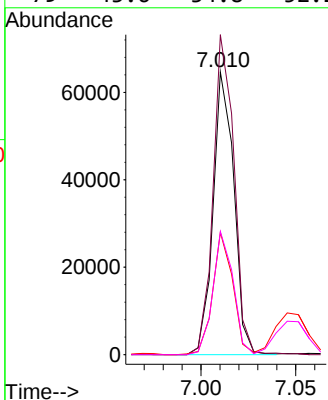
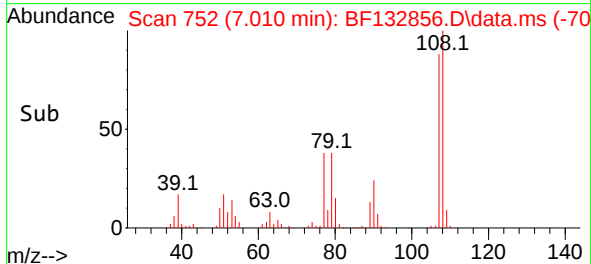
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



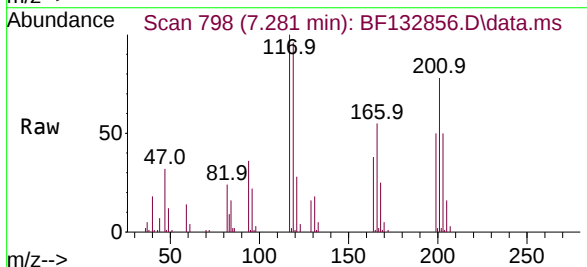
Tgt Ion:	107	Resp:	4930
Ion	Ratio	Lower	Upper
107	100		
108	113.2	91.4	137.0
77	43.2	35.5	53.3
79	43.6	34.8	52.2

Manual Integrations
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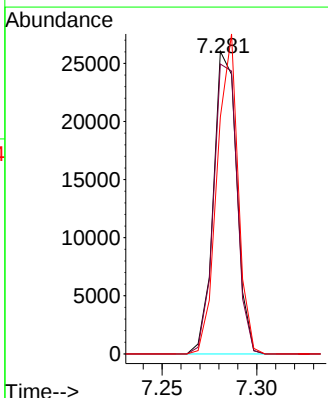
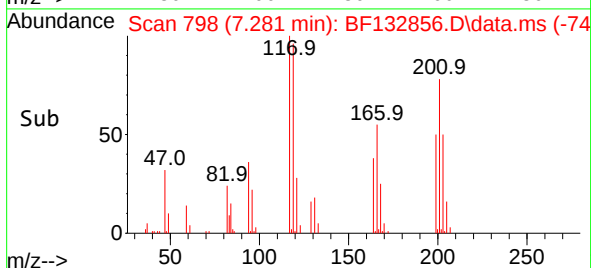
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023

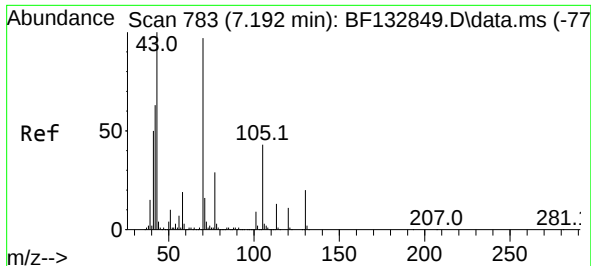


#18
Hexachloroethane
Concen: 4.004 ng
RT: 7.281 min Scan# 798
Delta R.T. -0.006 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38



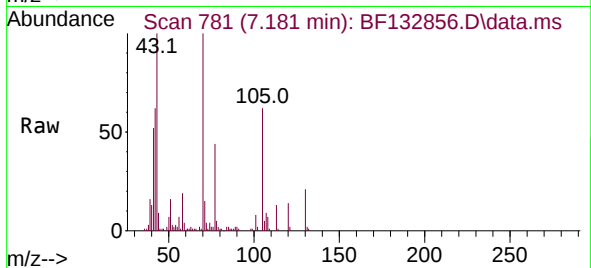
Tgt Ion:	117	Resp:	22278
Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.8	116.6
201	78.3	74.2	111.4





#19
n-Nitroso-di-n-propylamine
Concen: 3.927 ng
RT: 7.181 min Scan# 779
Delta R.T. -0.012 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

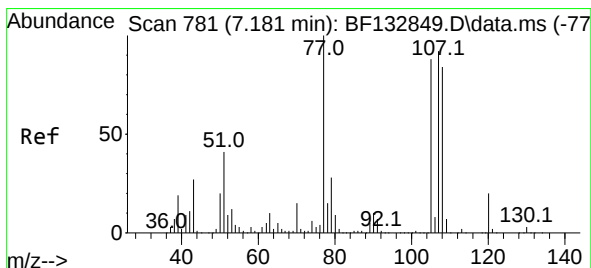
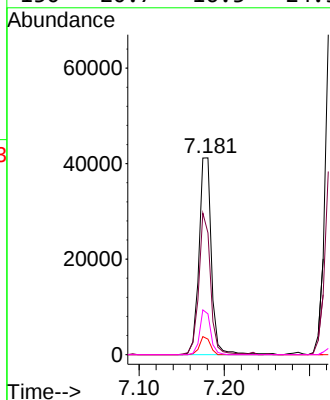
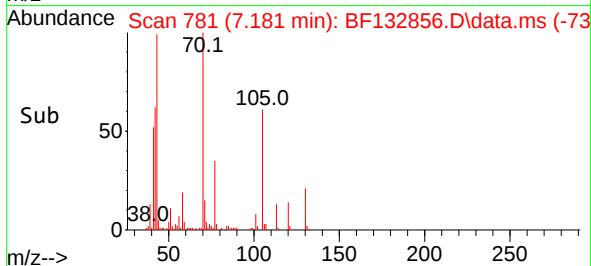
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 70 Resp: 41660
Ion Ratio Lower Upper
70 100
42 61.9 51.6 77.4
101 7.9 7.5 11.3
130 20.7 16.3 24.5

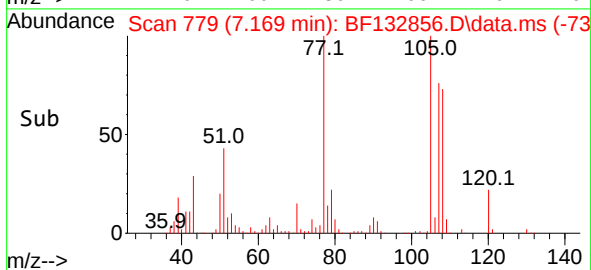
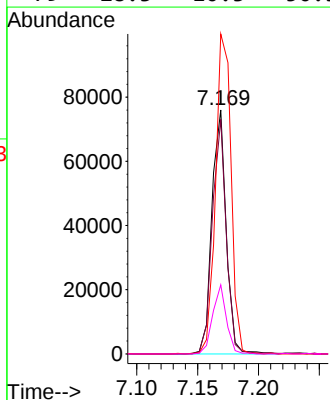
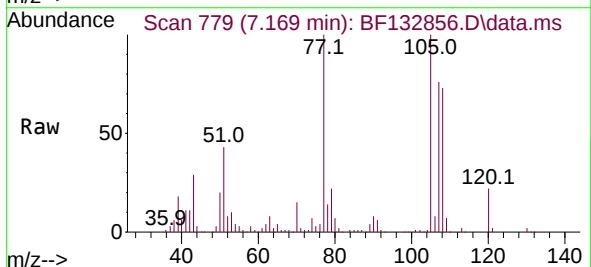
Manual Integrations
APPROVED

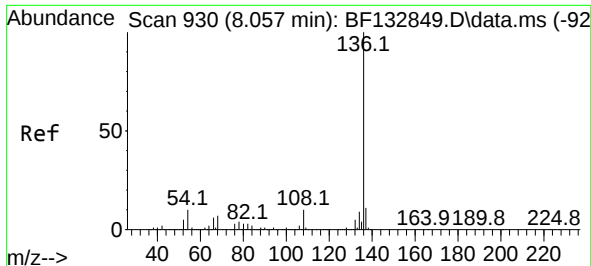
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#20
3+4-Methylphenols
Concen: 3.917 ng
RT: 7.169 min Scan# 779
Delta R.T. -0.012 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

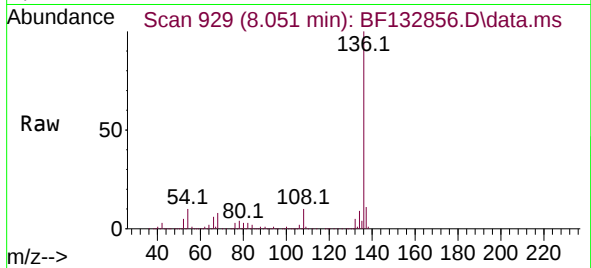
Tgt Ion:107 Resp: 62016
Ion Ratio Lower Upper
107 100
108 96.1 71.1 111.1
77 131.2 88.5 128.5#
79 28.3 10.3 50.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

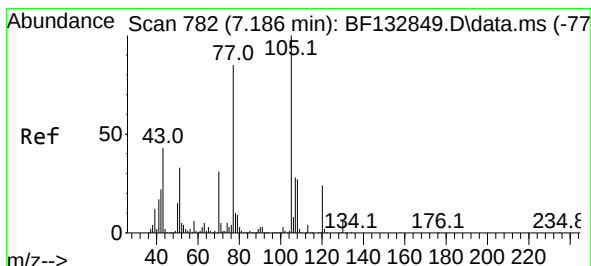
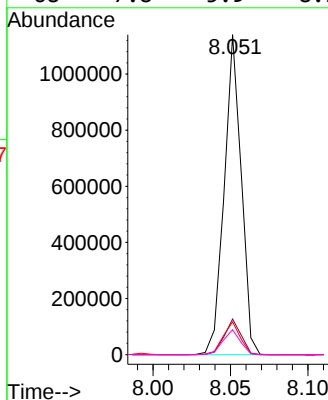
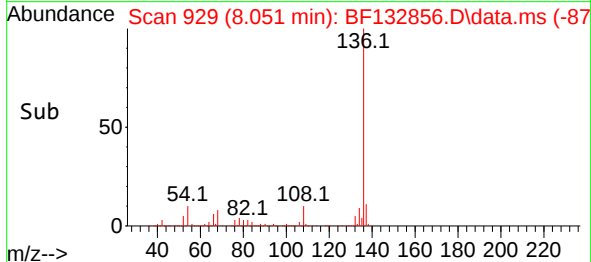
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



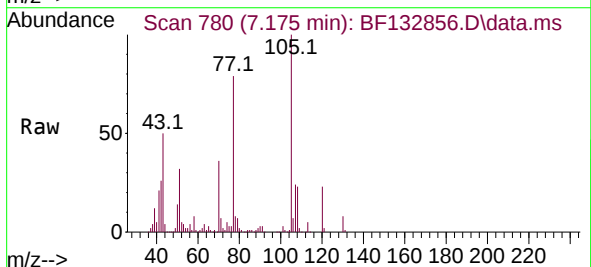
Tgt Ion:	136	Resp:	869062
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.0	13.4
54	10.2	8.2	12.2
68	7.8	5.9	8.9

Manual Integrations
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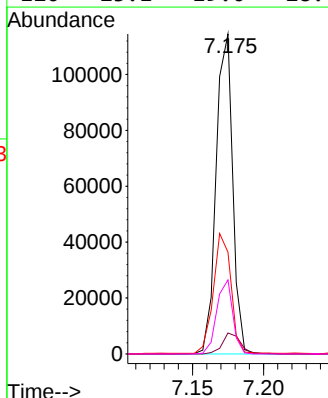
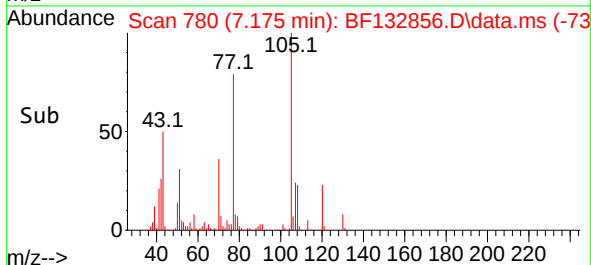
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023

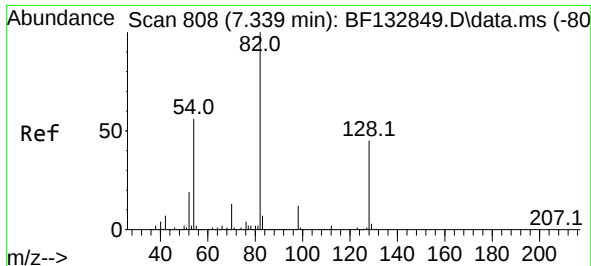


#22
Acetophenone
Concen: 4.510 ng
RT: 7.175 min Scan# 780
Delta R.T. -0.012 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38



Tgt Ion:	105	Resp:	92877
Ion Ratio	Lower	Upper	
105	100		
71	6.5	4.1	6.1
51	31.8	26.6	39.8
120	23.1	19.0	28.6





#23

Nitrobenzene-d5

Concen: 74.985 ng

RT: 7.334 min Scan# 808

Delta R.T. -0.006 min

Lab File: BF132856.D

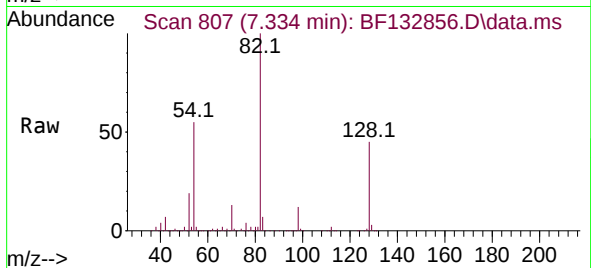
Acq: 11 Apr 2023 18:38

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 82 Resp: 1259346

Ion Ratio Lower Upper

82 100

128 44.8 35.9 53.9

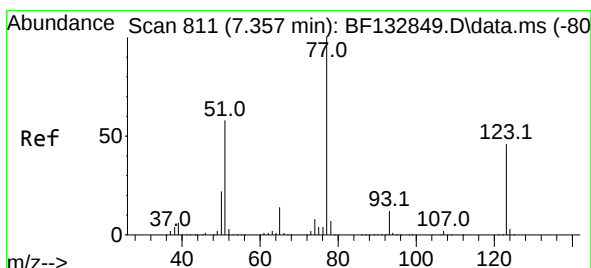
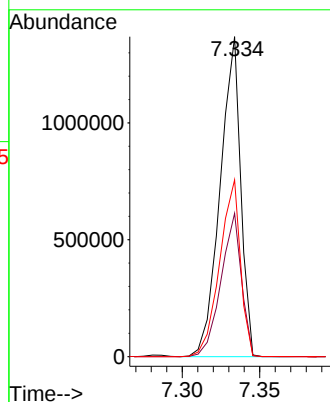
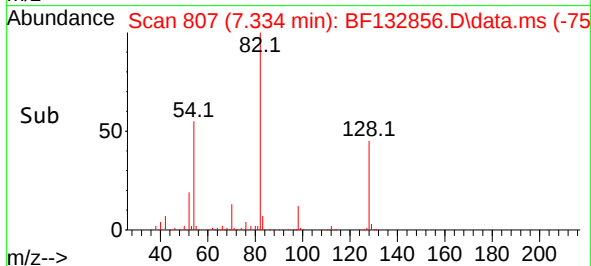
54 55.2 44.6 67.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/12/2023

Supervised By :Jagrut Upadhyay 04/12/2023



#24

Nitrobenzene

Concen: 4.155 ng

RT: 7.345 min Scan# 809

Delta R.T. -0.012 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

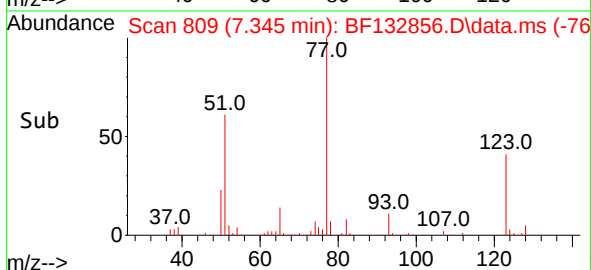
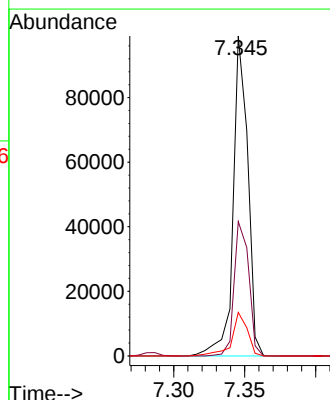
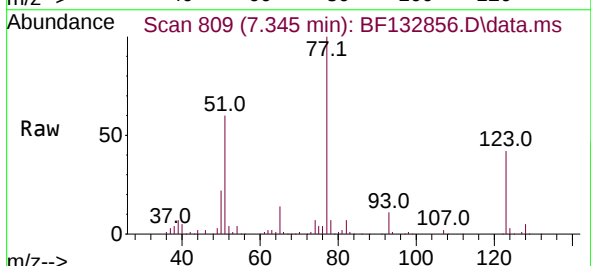
Tgt Ion: 77 Resp: 70710

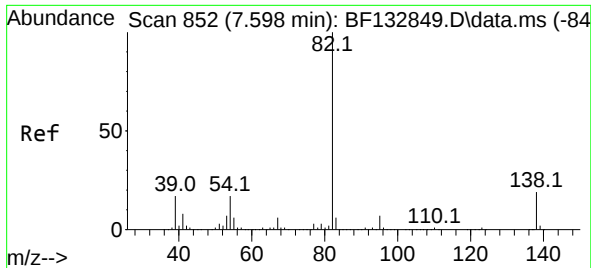
Ion Ratio Lower Upper

77 100

123 42.0 37.0 55.4

65 13.6 10.8 16.2





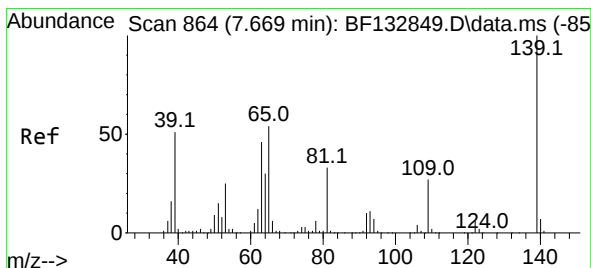
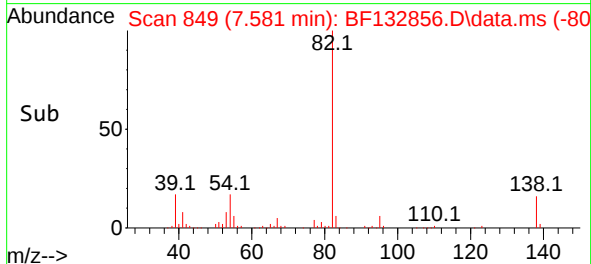
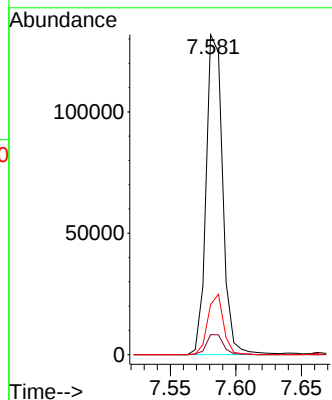
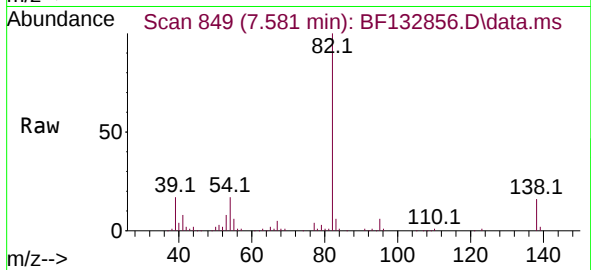
#25
Isophorone
Concen: 3.855 ng
RT: 7.581 min Scan# 84
Delta R.T. -0.017 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion: 82 Resp: 11544
Ion Ratio Lower Upper
82 100
95 6.2 5.4 8.0
138 15.6 15.2 22.8

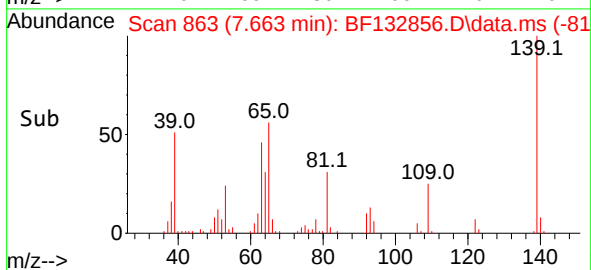
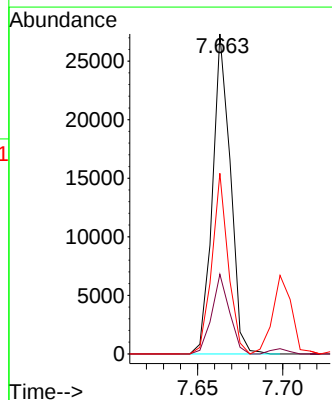
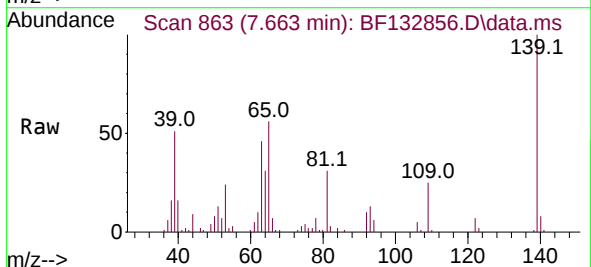
Manual Integrations
APPROVED

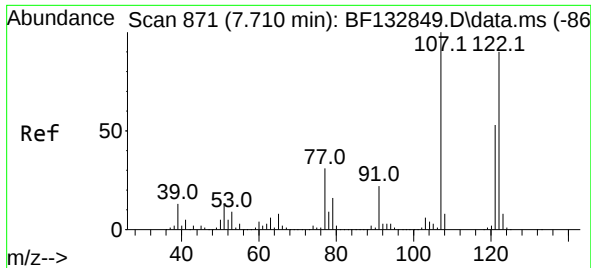
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#26
2-Nitrophenol
Concen: 3.277 ng
RT: 7.663 min Scan# 863
Delta R.T. -0.006 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

Tgt Ion:139 Resp: 19890
Ion Ratio Lower Upper
139 100
109 24.9 21.3 31.9
65 56.4 42.9 64.3





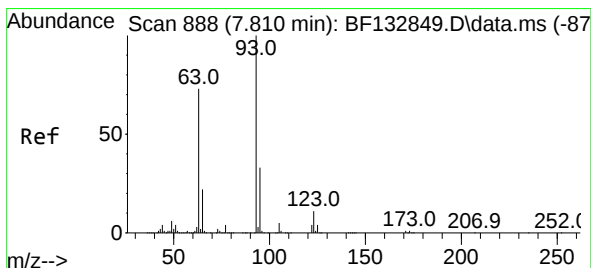
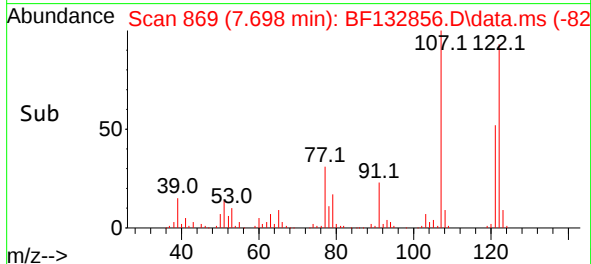
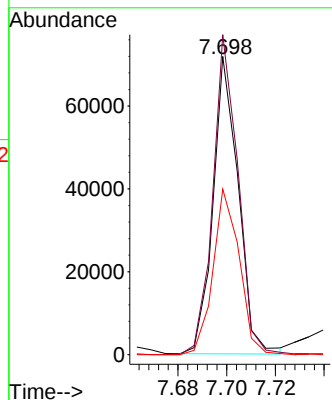
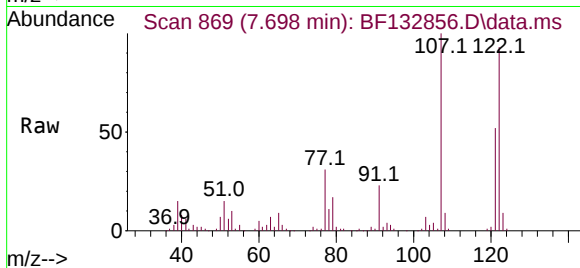
#27
2,4-Dimethylphenol
Concen: 4.207 ng
RT: 7.698 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:122 Resp: 51600
Ion Ratio Lower Upper
122 100
107 107.3 89.1 133.7
121 55.5 47.1 70.7

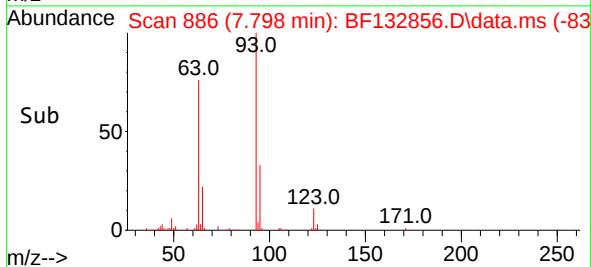
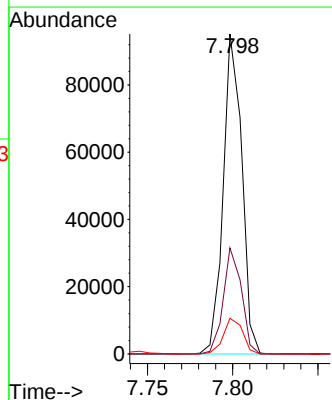
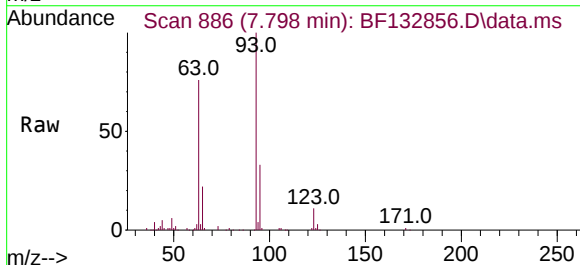
Manual Integrations
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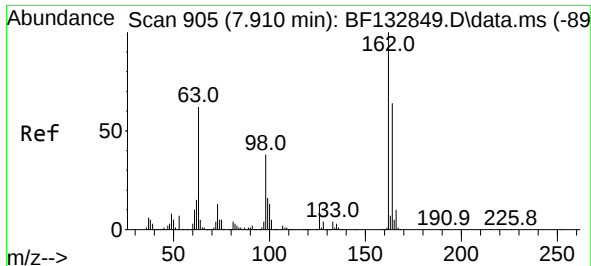
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#28
bis(2-Chloroethoxy)methane
Concen: 4.060 ng
RT: 7.798 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

Tgt Ion: 93 Resp: 72147
Ion Ratio Lower Upper
93 100
95 33.1 26.3 39.5
123 11.1 9.3 13.9





#29

2,4-Dichlorophenol

Concen: 4.013 ng

RT: 7.898 min Scan# 905

Delta R.T. -0.012 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

Instrument :

BNA_F

ClientSampleId :

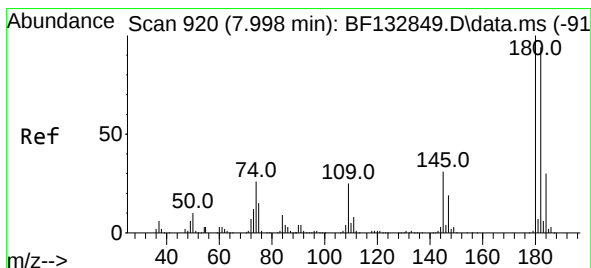
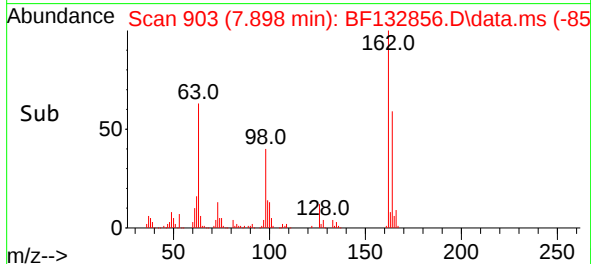
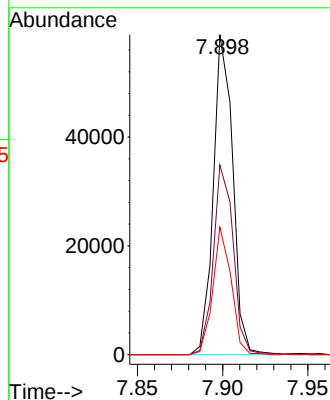
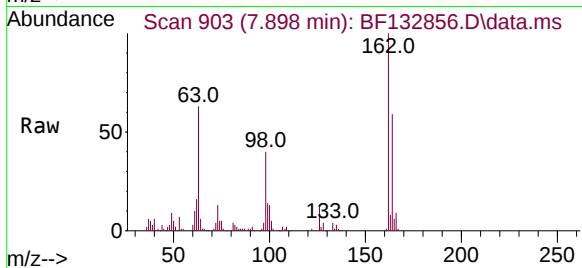
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:162	Resp:	46724
Ion Ratio	Lower	Upper
162	100	
164	59.2	43.5 83.5
98	39.8	18.0 58.0

Manual Integrations

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Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#30

1,2,4-Trichlorobenzene

Concen: 4.205 ng

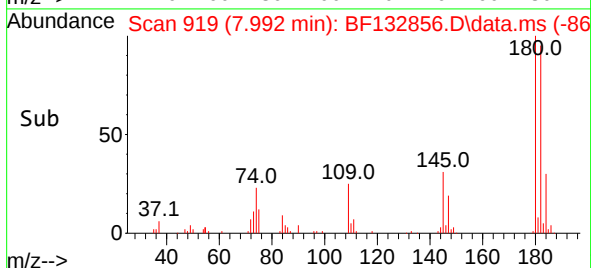
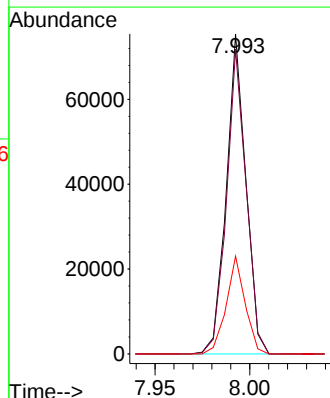
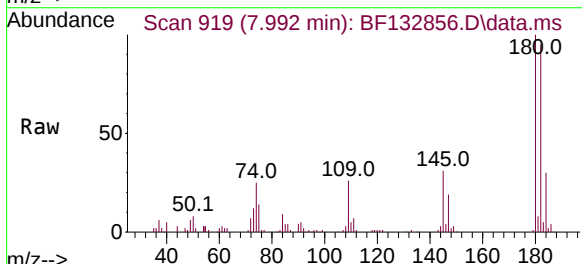
RT: 7.992 min Scan# 919

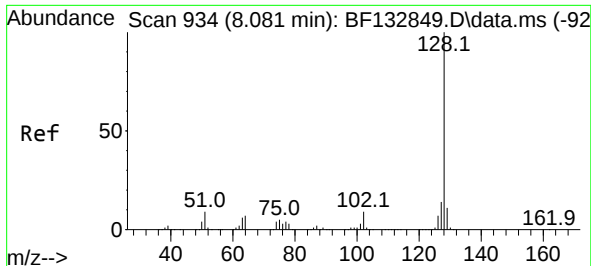
Delta R.T. -0.006 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

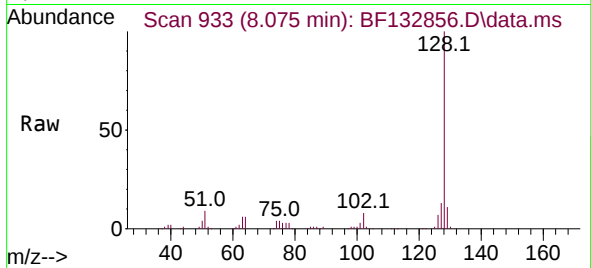
Tgt Ion:180	Resp:	54054
Ion Ratio	Lower	Upper
180	100	
182	95.2	75.5 113.3
145	30.5	24.9 37.3





#31
Naphthalene
Concen: 4.272 ng
RT: 8.075 min Scan# 934
Delta R.T. -0.006 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

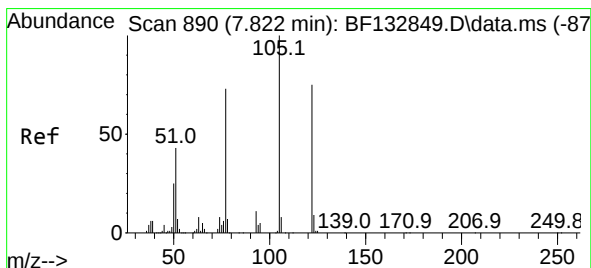
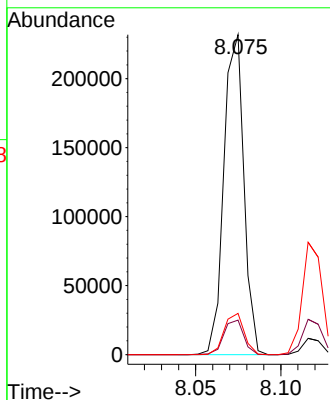
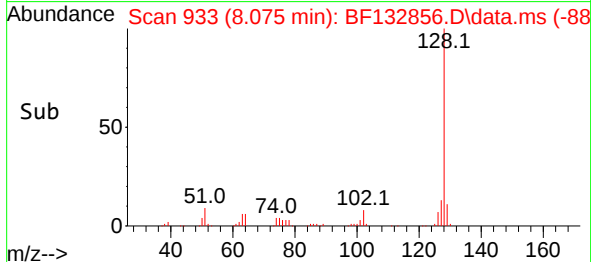
Instrument : BNA_F
Client Sample Id : LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:128 Resp: 189437
Ion Ratio Lower Upper
128 100
129 10.8 8.9 13.3
127 12.9 10.9 16.3

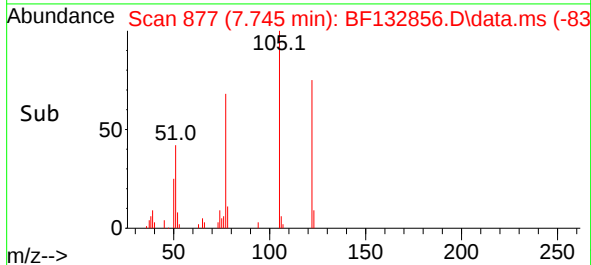
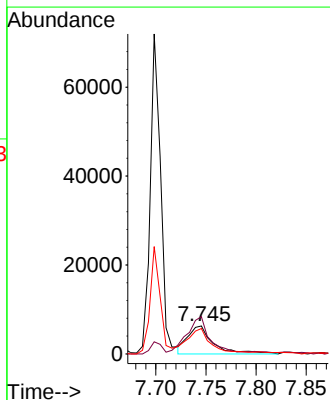
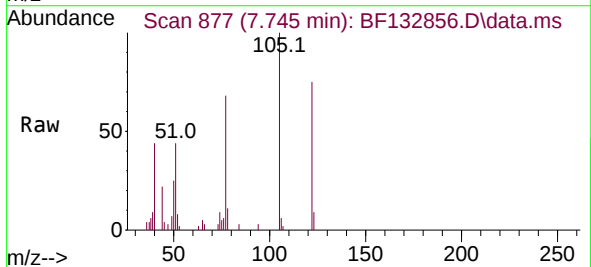
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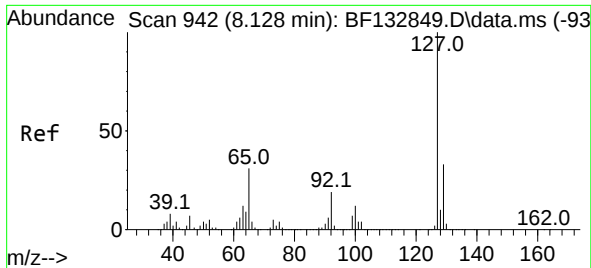
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#32
Benzoic acid
Concen: 2.188 ng
RT: 7.745 min Scan# 877
Delta R.T. -0.077 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

Tgt Ion:122 Resp: 11232
Ion Ratio Lower Upper
122 100
105 132.9 109.5 149.5
77 90.8 74.9 114.9





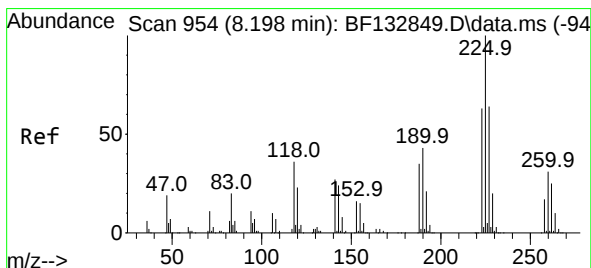
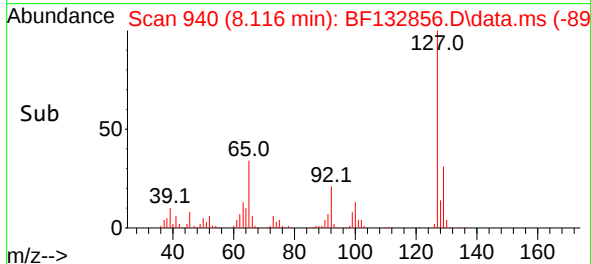
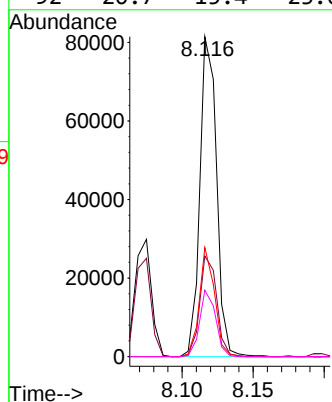
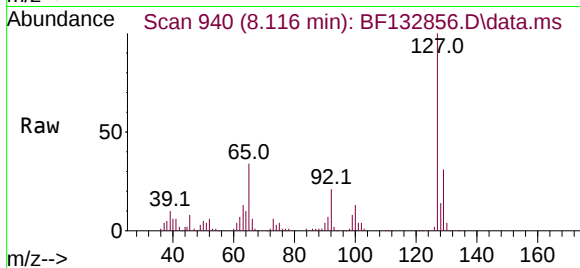
#33
4-Chloroaniline
Concen: 3.774 ng
RT: 8.116 min Scan# 942
Delta R.T. -0.012 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:	127	Resp:	66492
Ion Ratio	Lower	Upper	
127	100		
129	31.4	26.5	39.7
65	34.1	24.7	37.1
92	20.7	15.4	23.0

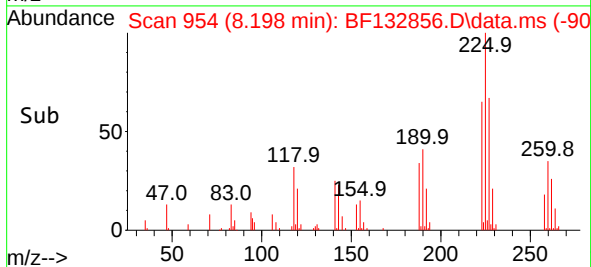
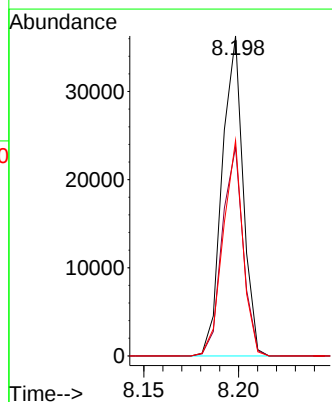
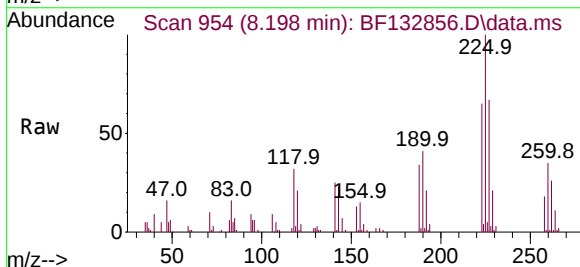
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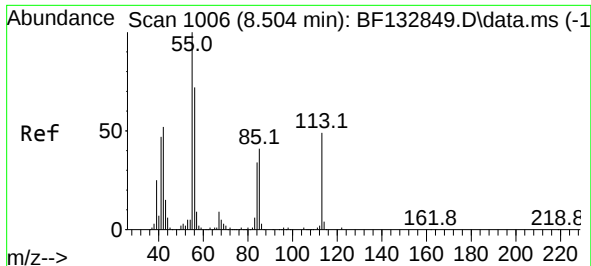
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#34
Hexachlorobutadiene
Concen: 3.994 ng
RT: 8.198 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

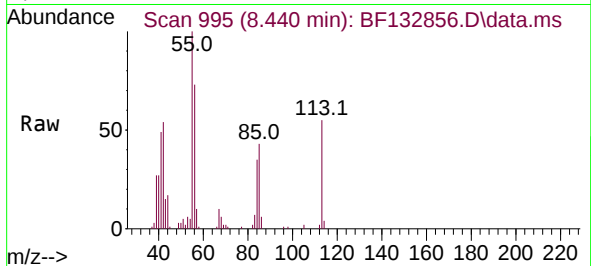
Tgt Ion:	225	Resp:	27945
Ion Ratio	Lower	Upper	
225	100		
223	65.3	50.1	75.1
227	67.3	51.1	76.7





#35
Caprolactam
Concen: 3.484 ng m
RT: 8.440 min Scan# 995
Delta R.T. -0.064 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

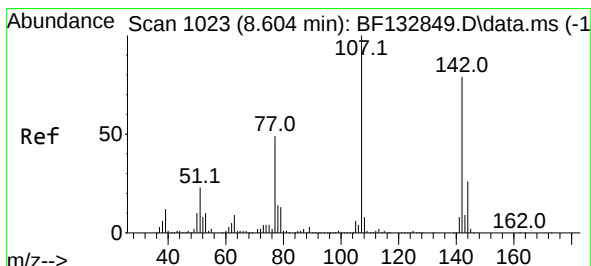
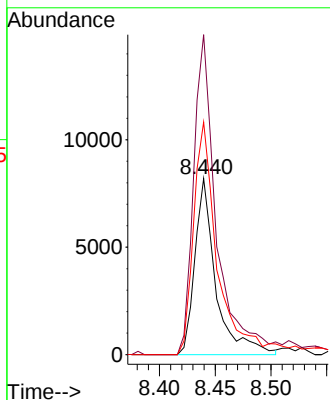
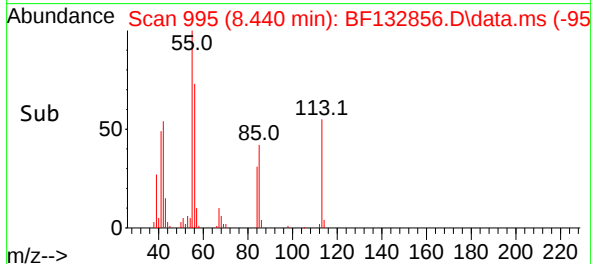
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:113 Resp: 10766
Ion Ratio Lower Upper
113 100
55 181.7 183.9 223.9
56 132.1 127.6 167.6

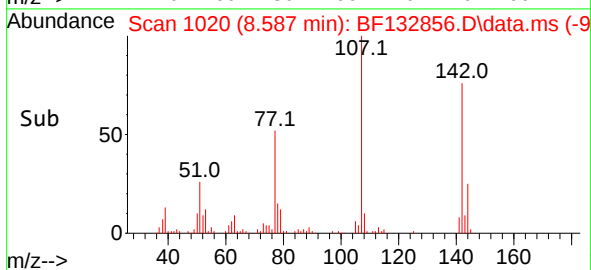
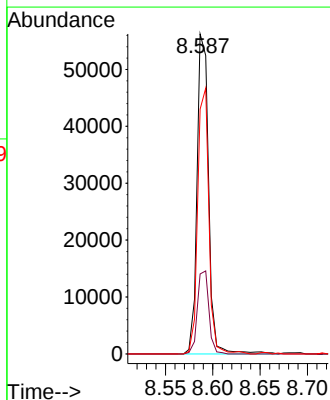
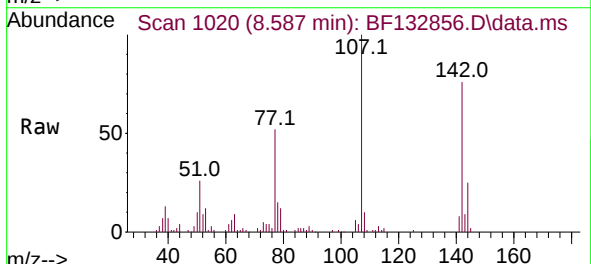
Manual Integrations
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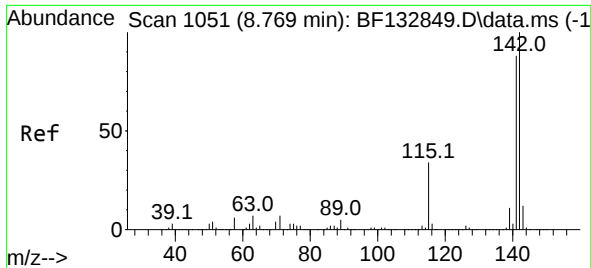
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#36
4-Chloro-3-methylphenol
Concen: 3.820 ng
RT: 8.587 min Scan# 1020
Delta R.T. -0.017 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

Tgt Ion:107 Resp: 47449
Ion Ratio Lower Upper
107 100
144 25.0 21.0 31.4
142 76.5 62.8 94.2





#37

2-Methylnaphthalene

Concen: 4.153 ng

RT: 8.763 min Scan# 1050

Delta R.T. -0.006 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:142 Resp: 123186

Ion Ratio Lower Upper

142 100

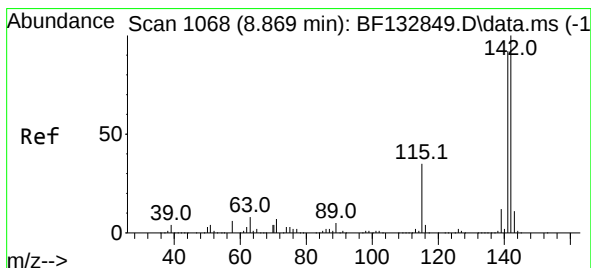
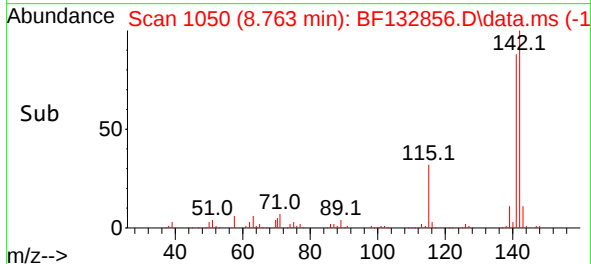
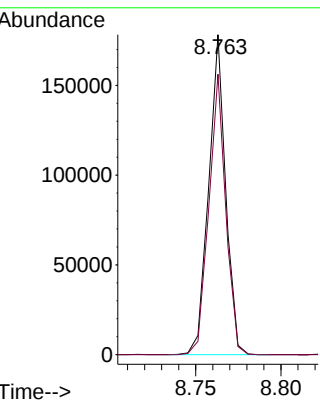
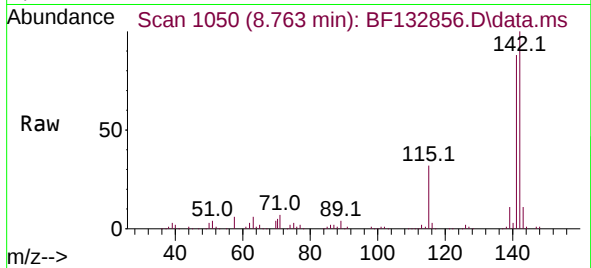
141 87.6 70.7 106.1

Manual Integrations

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Reviewed By :Christian Giraldo 04/12/2023

Supervised By :Jagrut Upadhyay 04/12/2023



#38

1-Methylnaphthalene

Concen: 4.098 ng

RT: 8.863 min Scan# 1067

Delta R.T. -0.006 min

Lab File: BF132856.D

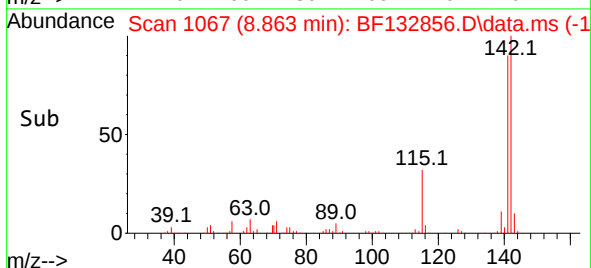
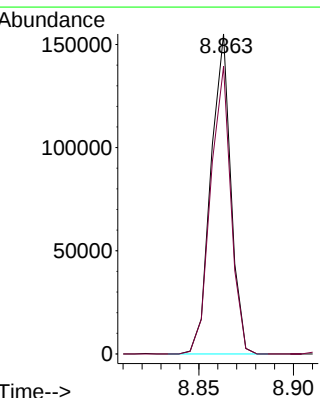
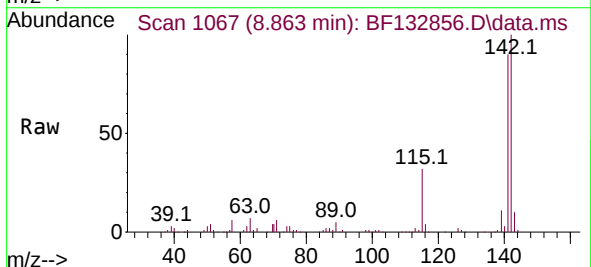
Acq: 11 Apr 2023 18:38

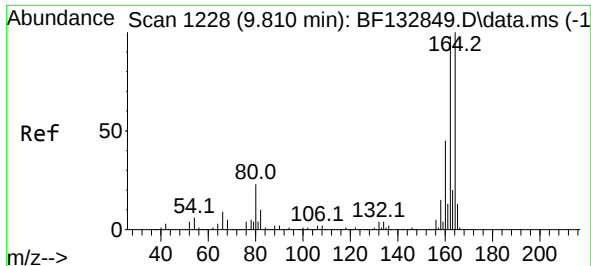
Tgt Ion:142 Resp: 113376

Ion Ratio Lower Upper

142 100

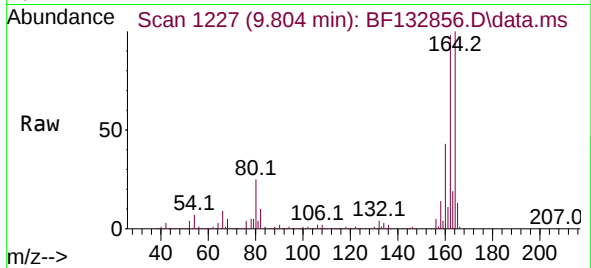
141 89.8 73.8 110.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.804 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

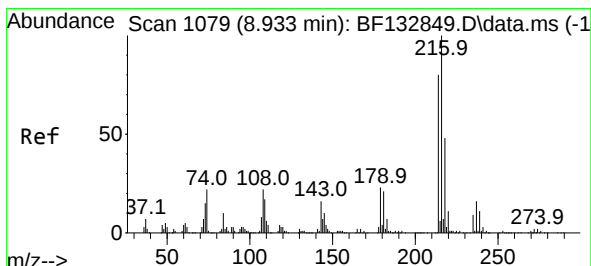
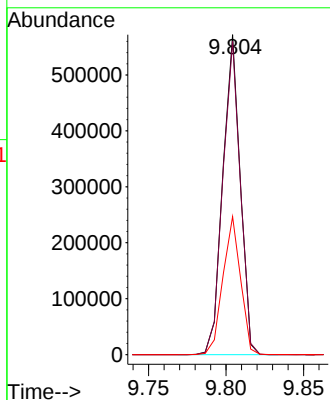
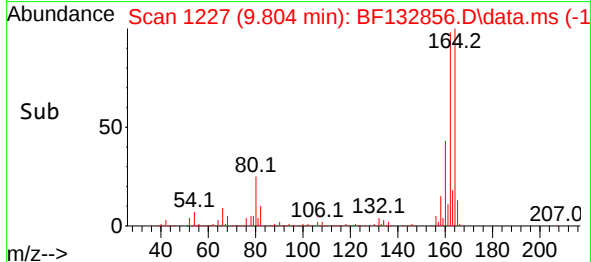
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



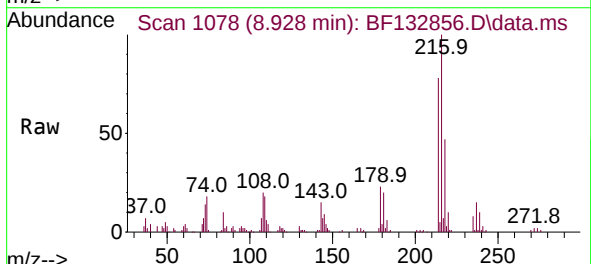
Tgt Ion:164 Resp: 447593
Ion Ratio Lower Upper
164 100
162 97.9 78.1 117.1
160 43.1 35.7 53.5

Manual Integrations
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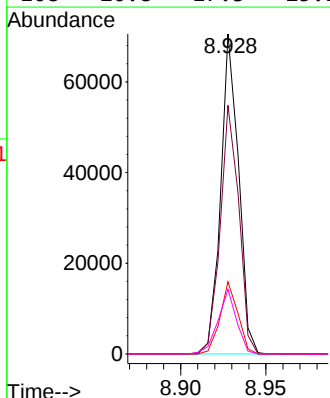
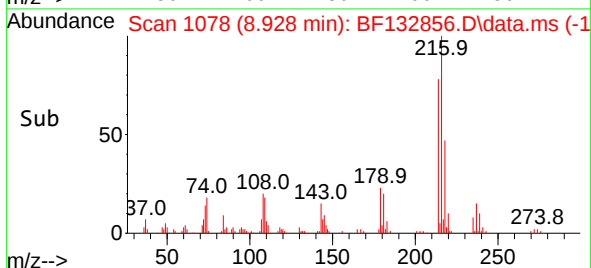
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023

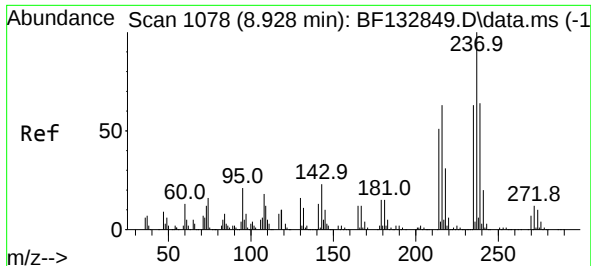


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.117 ng
RT: 8.928 min Scan# 1078
Delta R.T. -0.006 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38



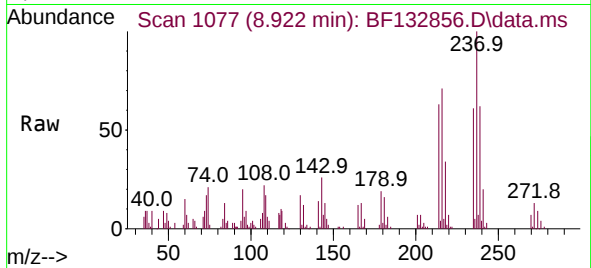
Tgt Ion:216 Resp: 51437
Ion Ratio Lower Upper
216 100
214 80.3 63.4 95.0
179 22.4 17.7 26.5
108 20.8 17.3 25.9





#41
Hexachlorocyclopentadiene
Concen: 3.443 ng
RT: 8.922 min Scan# 1078
Delta R.T. -0.006 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

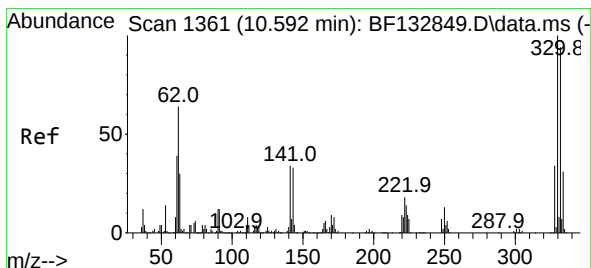
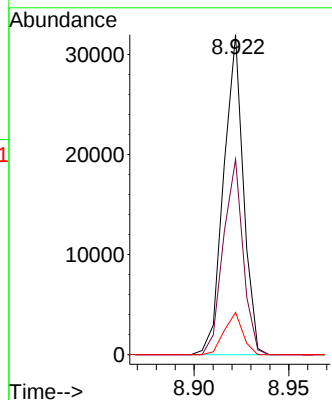
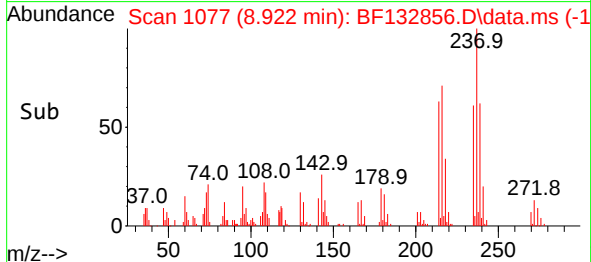
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



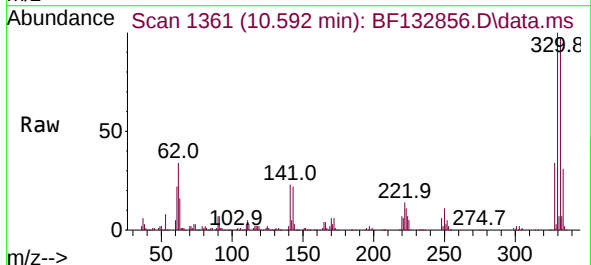
Tgt Ion: 237 Resp: 23158
Ion Ratio Lower Upper
237 100
235 61.0 43.4 83.4
272 13.2 0.0 32.4

Manual Integrations
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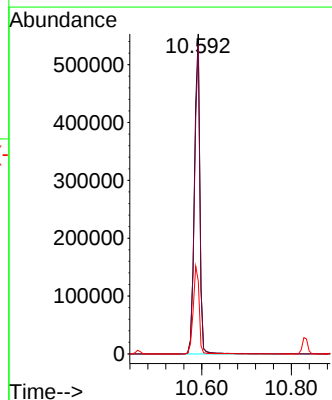
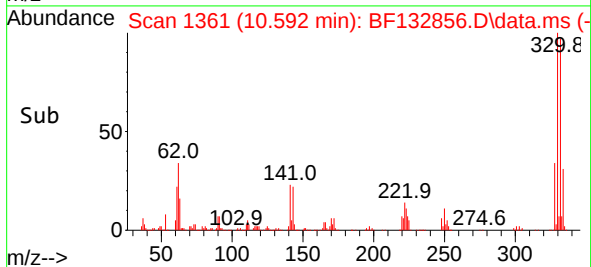
Reviewed By : Christian Giraldo 04/12/2023
Supervised By : Jagrut Upadhyay 04/12/2023

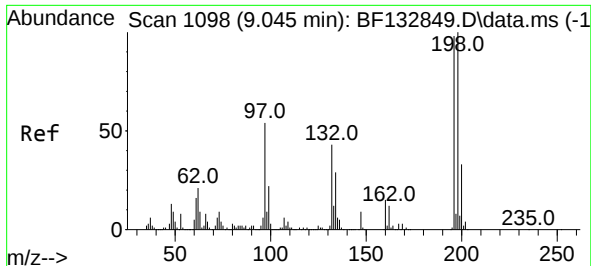


#42
2,4,6-Tribromophenol
Concen: 115.396 ng
RT: 10.592 min Scan# 1361
Delta R.T. 0.000 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38



Tgt Ion: 330 Resp: 459032
Ion Ratio Lower Upper
330 100
332 95.6 76.1 114.1
141 29.9 25.9 38.9





#43

2,4,6-Trichlorophenol

Concen: 3.597 ng

RT: 9.039 min Scan# 1098

Delta R.T. -0.006 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:196 Resp: 27613

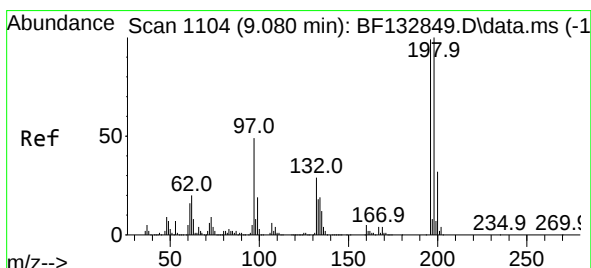
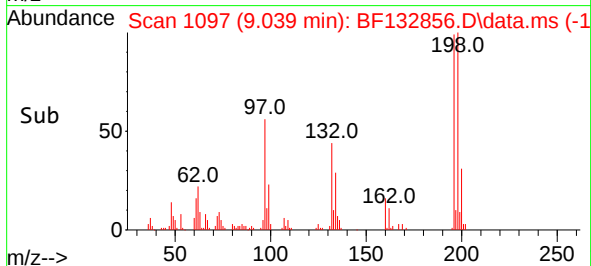
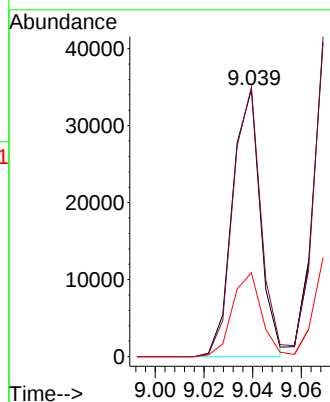
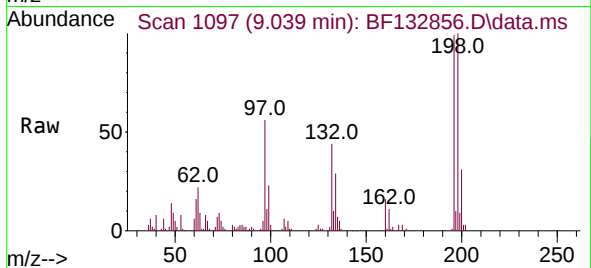
Ion	Ratio	Lower	Upper
196	100		
198	100.9	81.4	122.0
200	31.4	26.7	40.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/12/2023

Supervised By :Jagrut Upadhyay 04/12/2023



#44

2,4,5-Trichlorophenol

Concen: 3.460 ng

RT: 9.069 min Scan# 1102

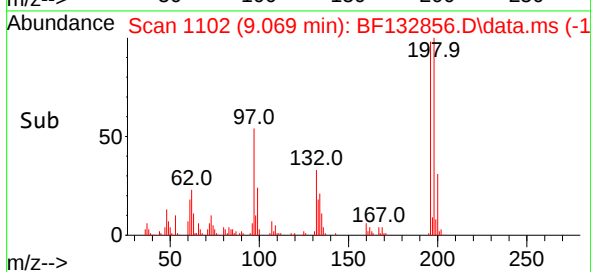
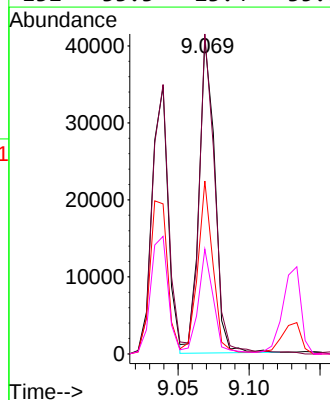
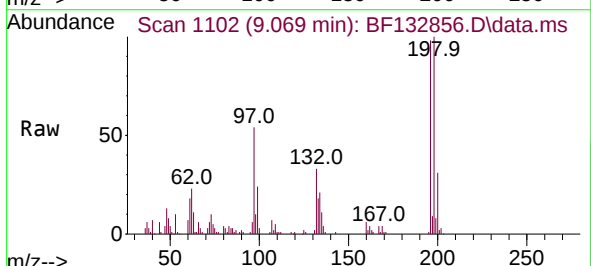
Delta R.T. -0.012 min

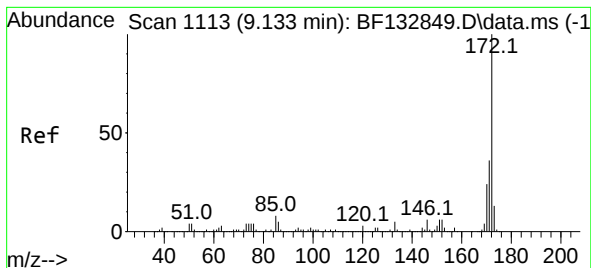
Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

Tgt Ion:196 Resp: 31368

Ion	Ratio	Lower	Upper
196	100		
198	101.8	80.6	121.0
97	55.0	39.4	59.2
132	33.3	23.4	35.0





#45

2-Fluorobiphenyl

Concen: 74.609 ng

RT: 9.134 min Scan# 1113

Delta R.T. 0.001 min

Lab File: BF132856.D

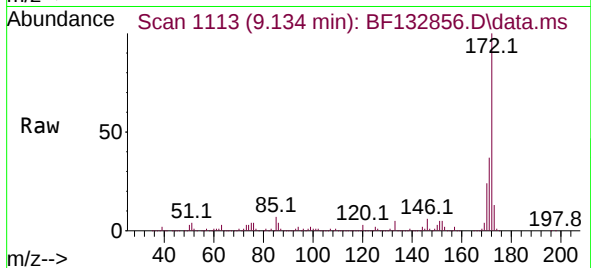
Acq: 11 Apr 2023 18:38

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:172 Resp: 2110972

Ion Ratio Lower Upper

172 100

171 36.5 28.6 42.8

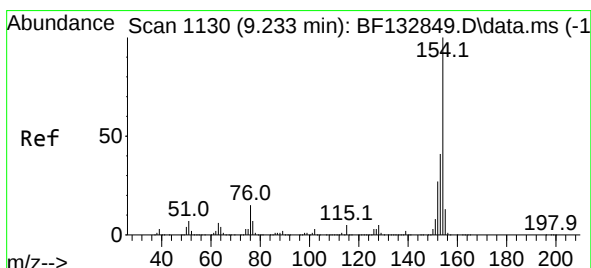
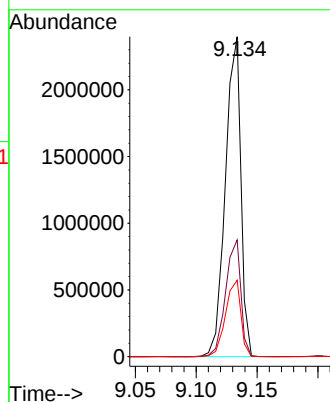
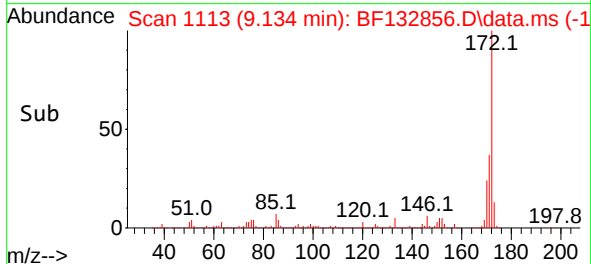
170 23.9 19.3 28.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/12/2023

Supervised By :Jagrut Upadhyay 04/12/2023



#46

1,1'-Biphenyl

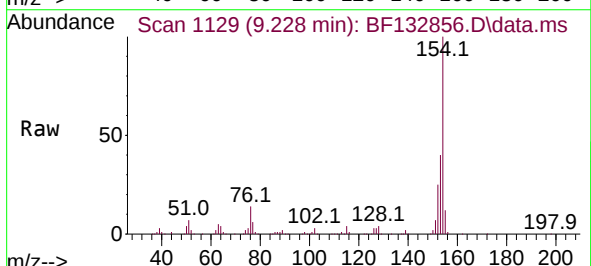
Concen: 4.355 ng

RT: 9.228 min Scan# 1129

Delta R.T. -0.005 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38



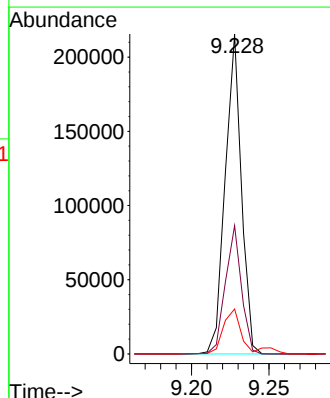
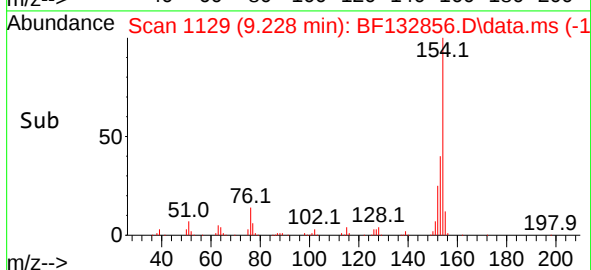
Tgt Ion:154 Resp: 157110

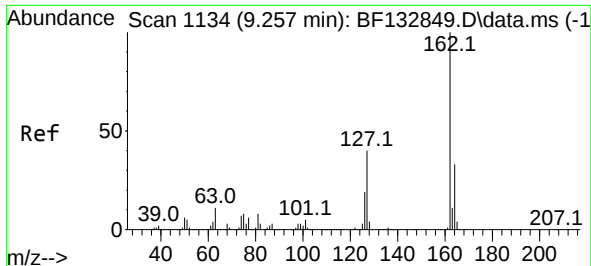
Ion Ratio Lower Upper

154 100

153 40.1 20.7 60.7

76 14.0 0.0 34.8





#47

2-Chloronaphthalene

Concen: 4.226 ng

RT: 9.251 min Scan# 111604

Delta R.T. -0.006 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

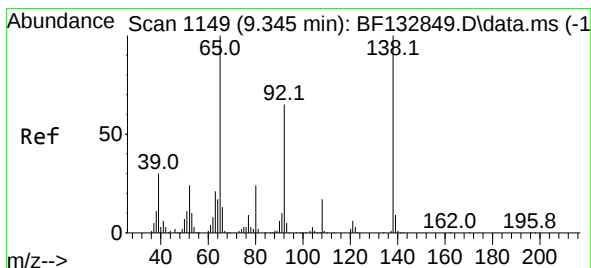
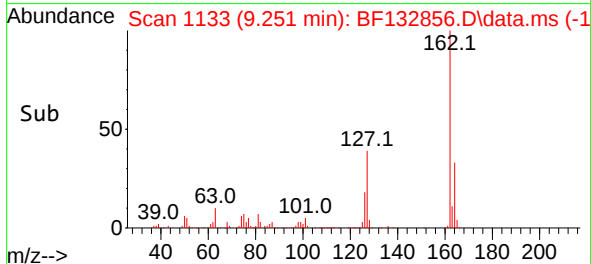
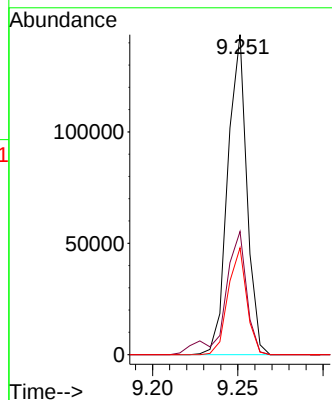
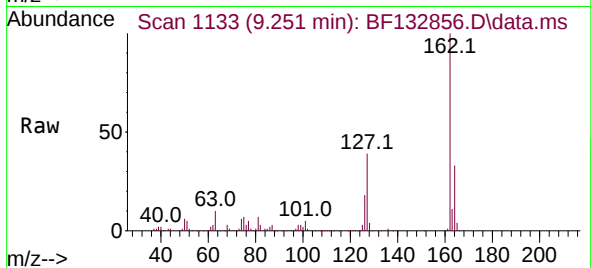
Tgt Ion:	162	Resp:	111604
Ion Ratio	Lower	Upper	
162	100		
127	38.5	32.1	48.1
164	33.4	26.6	40.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/12/2023

Supervised By :Jagrut Upadhyay 04/12/2023



#48

2-Nitroaniline

Concen: 2.577 ng

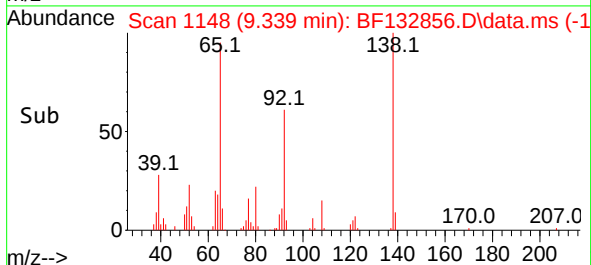
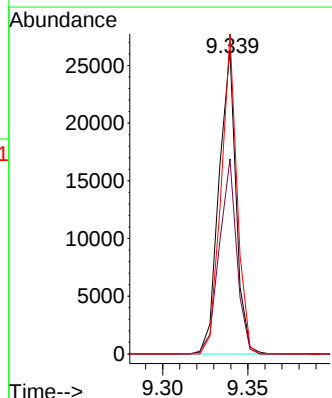
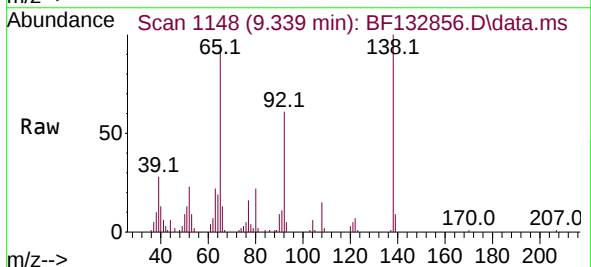
RT: 9.339 min Scan# 1148

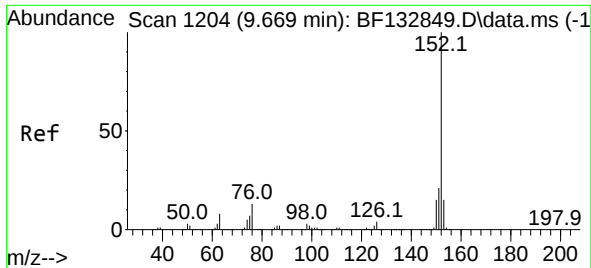
Delta R.T. -0.006 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

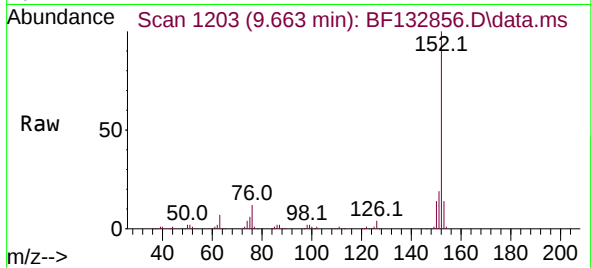
Tgt Ion:	65	Resp:	18334
Ion Ratio	Lower	Upper	
65	100		
92	64.2	52.2	78.2
138	105.3	80.3	120.5





#49
Acenaphthylene
Concen: 4.080 ng
RT: 9.663 min Scan# 1179
Delta R.T. -0.006 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

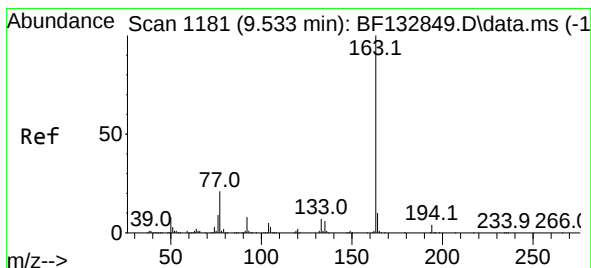
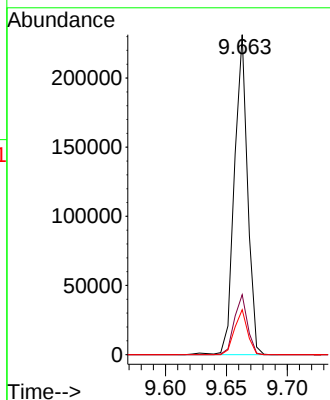
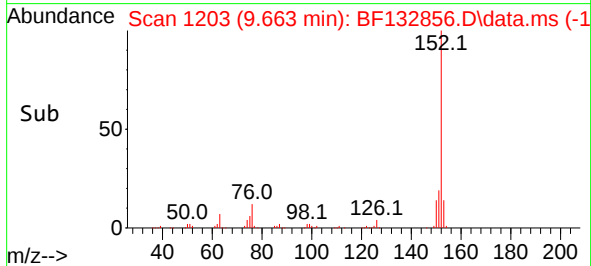
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



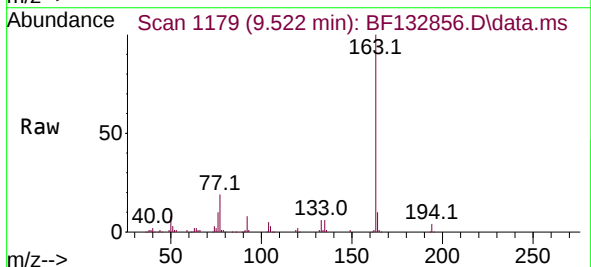
Tgt Ion:152 Resp: 174170
Ion Ratio Lower Upper
152 100
151 18.7 16.6 25.0
153 14.0 11.7 17.5

Manual Integrations
APPROVED

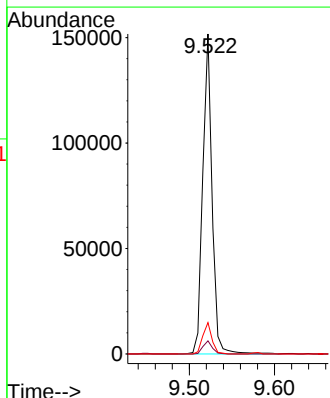
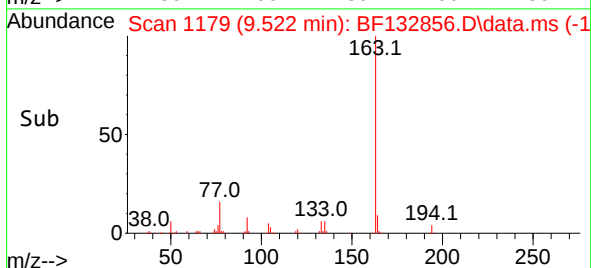
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023

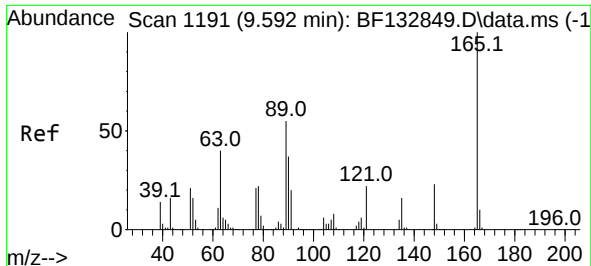


#50
Dimethylphthalate
Concen: 3.974 ng
RT: 9.522 min Scan# 1179
Delta R.T. -0.012 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38



Tgt Ion:163 Resp: 114854
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 9.8 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 2.935 ng

RT: 9.581 min Scan# 1189

Delta R.T. -0.011 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

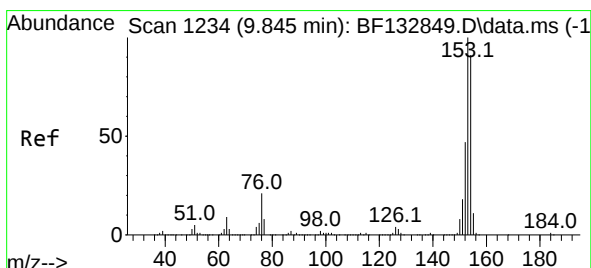
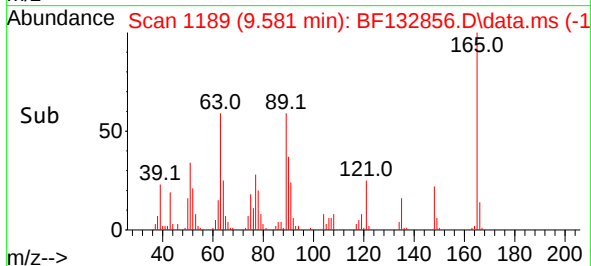
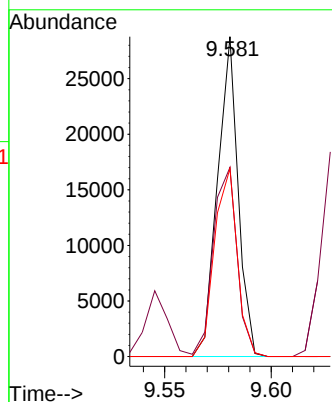
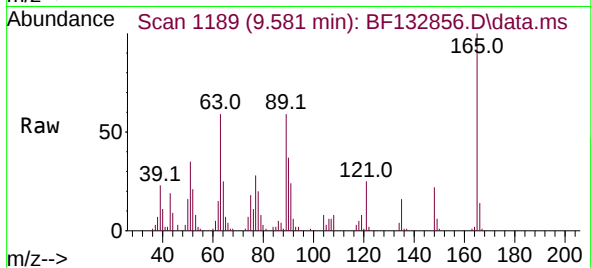
Tgt Ion:165 Resp: 19352

Ion	Ratio	Lower	Upper
165	100		
63	59.1	46.7	70.1
89	58.8	44.1	66.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#52

Acenaphthene

Concen: 4.092 ng

RT: 9.834 min Scan# 1232

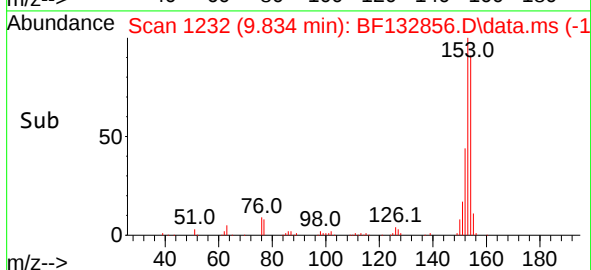
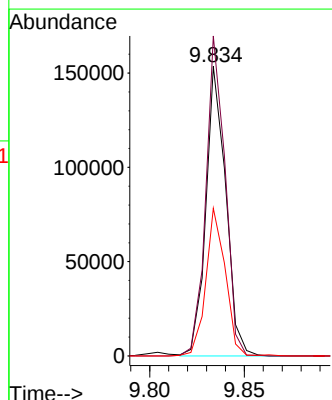
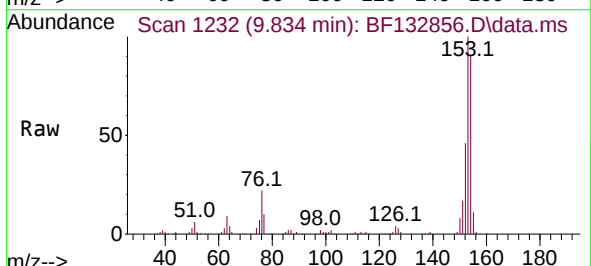
Delta R.T. -0.011 min

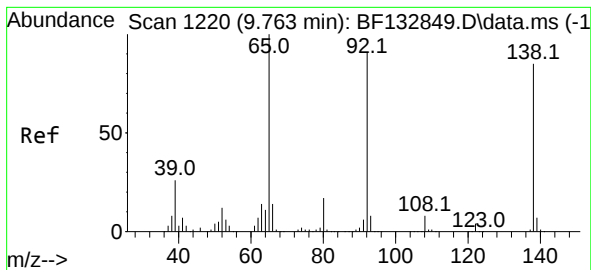
Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

Tgt Ion:154 Resp: 112247

Ion	Ratio	Lower	Upper
154	100		
153	110.5	88.2	132.2
152	51.0	41.6	62.4





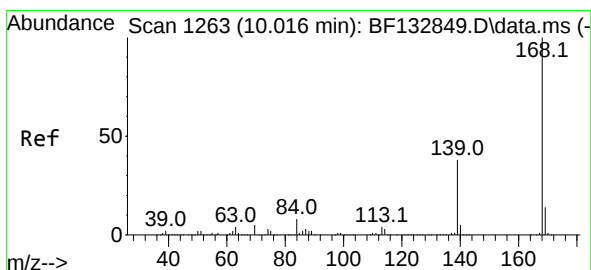
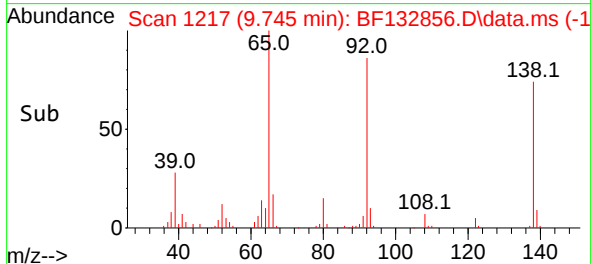
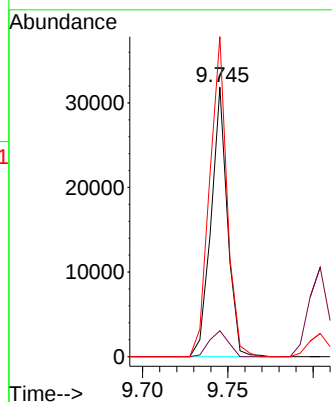
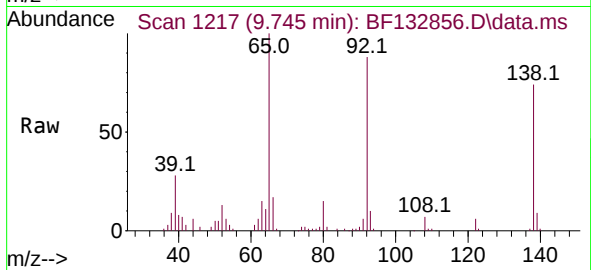
#53
3-Nitroaniline
Concen: 2.789 ng
RT: 9.745 min Scan# 1217
Delta R.T. -0.018 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:138 Resp: 2127
Ion Ratio Lower Upper
138 100
108 9.6 7.2 10.8
92 118.8 85.4 128.2

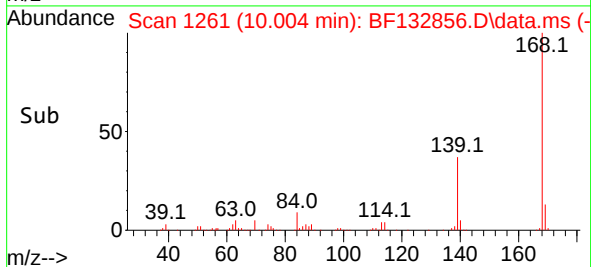
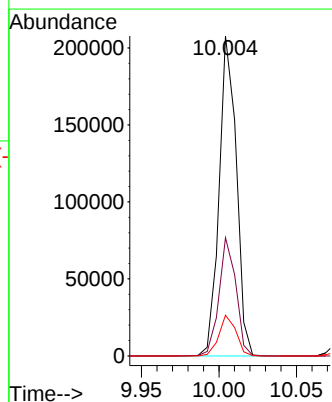
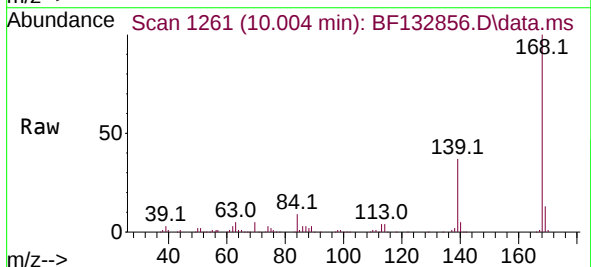
Manual Integrations
APPROVED

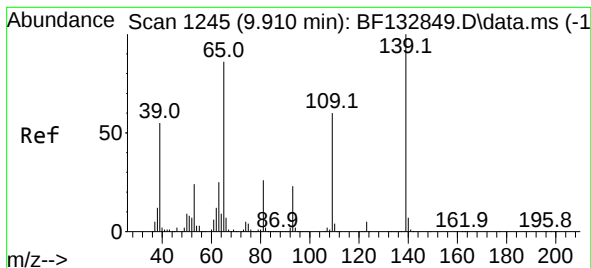
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#55
Dibenzofuran
Concen: 4.126 ng
RT: 10.004 min Scan# 1261
Delta R.T. -0.012 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

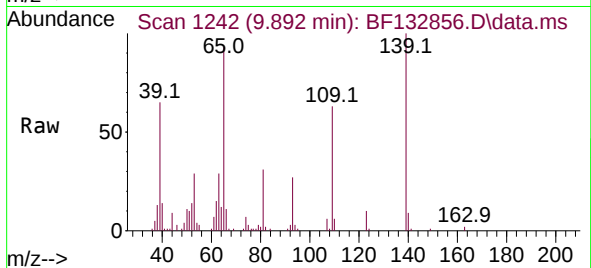
Tgt Ion:168 Resp: 160426
Ion Ratio Lower Upper
168 100
139 36.9 30.1 45.1
169 12.7 10.8 16.2





#56
4-Nitrophenol
Concen: 3.076 ng
RT: 9.892 min Scan# 1245
Delta R.T. -0.017 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

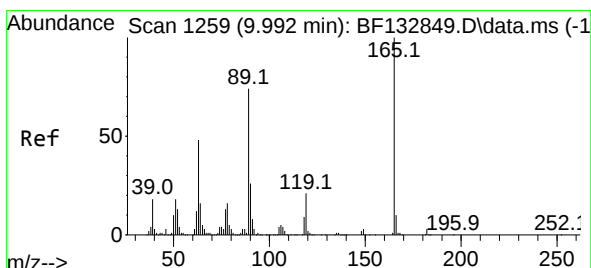
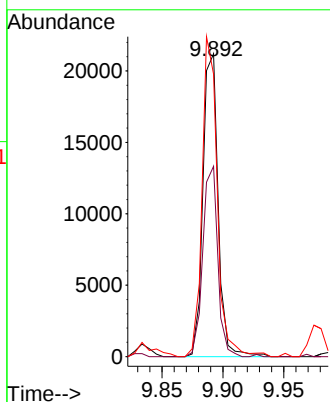
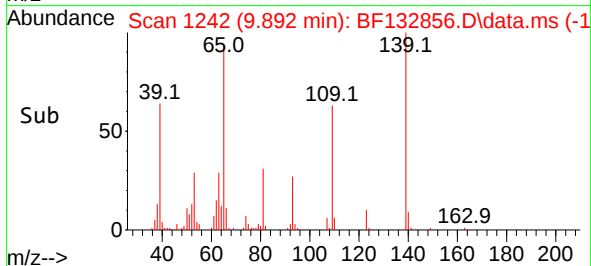
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:139 Resp: 18493
Ion Ratio Lower Upper
139 100
109 62.8 39.7 79.7
65 93.3 66.3 106.3

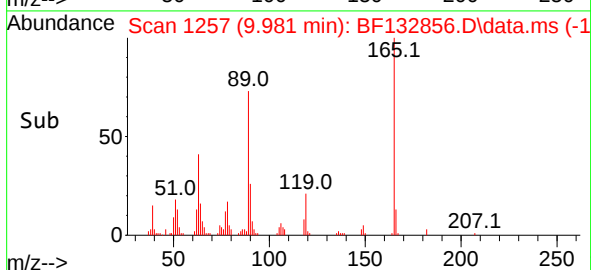
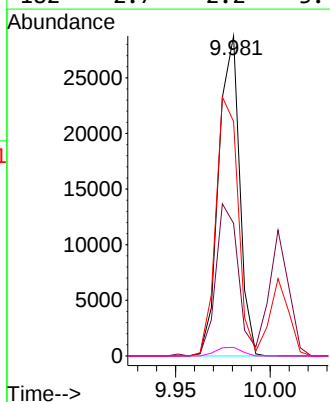
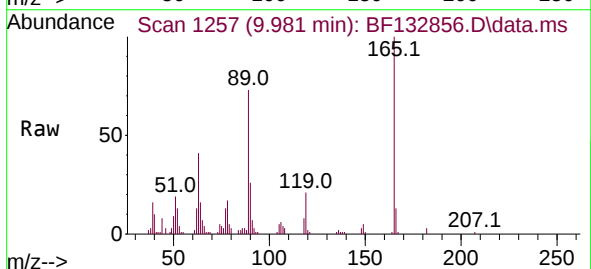
Manual Integrations
APPROVED

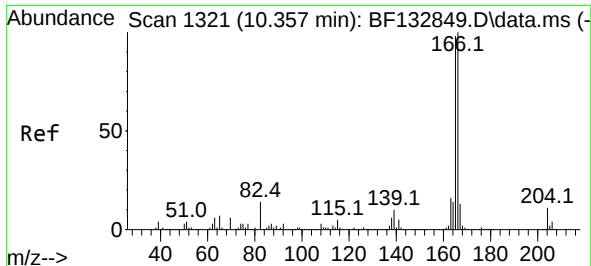
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#57
2,4-Dinitrotoluene
Concen: 2.699 ng
RT: 9.981 min Scan# 1257
Delta R.T. -0.012 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

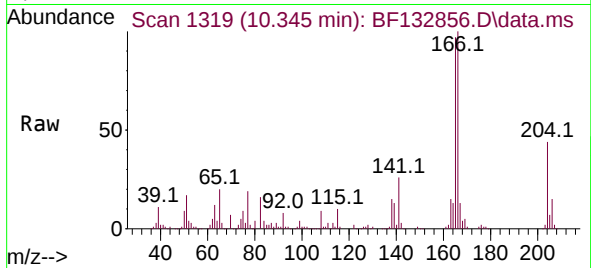
Tgt Ion:165 Resp: 22108
Ion Ratio Lower Upper
165 100
63 41.4 38.1 57.1
89 73.3 59.2 88.8
182 2.7 2.2 3.4





#58
Fluorene
Concen: 4.270 ng
RT: 10.345 min Scan# 1319
Delta R.T. -0.012 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

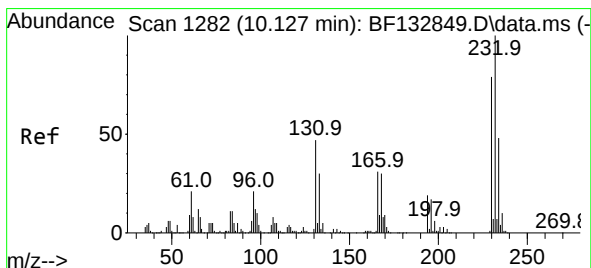
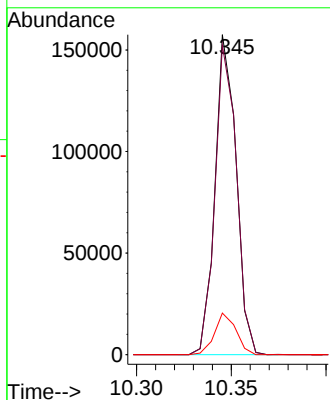
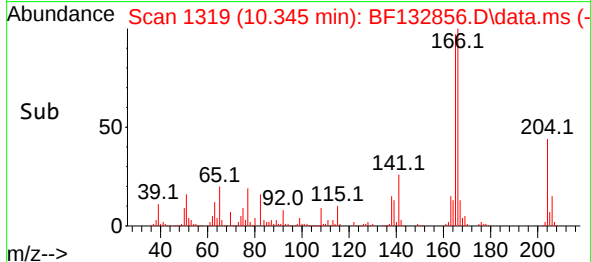
Instrument : BNA_F
Client Sample Id : LOD-MDL-SOIL-01-QT1-2023



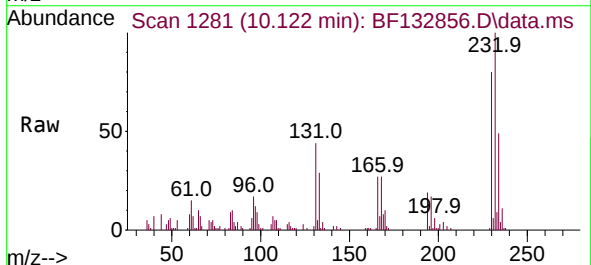
Tgt Ion:166 Resp: 122460
Ion Ratio Lower Upper
166 100
165 96.8 78.0 117.0
167 13.0 10.5 15.7

Manual Integrations
APPROVED

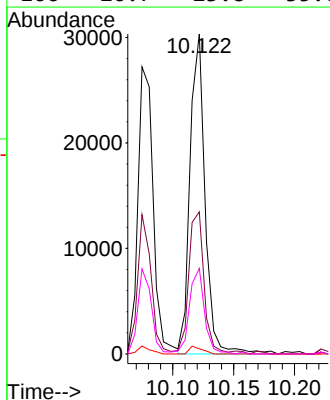
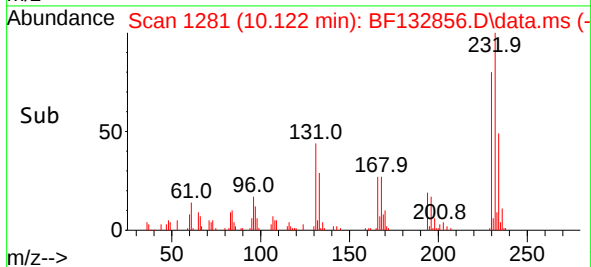
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023

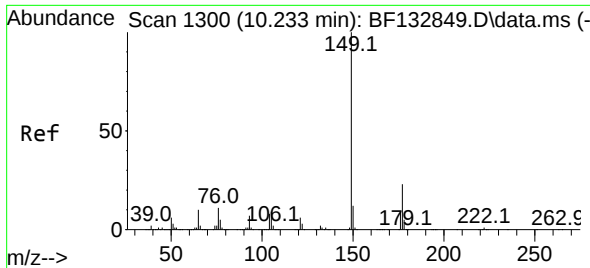


#59
2,3,4,6-Tetrachlorophenol
Concen: 3.787 ng
RT: 10.122 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38



Tgt Ion:232 Resp: 26143
Ion Ratio Lower Upper
232 100
131 45.6 37.8 56.8
130 2.0 1.8 2.8
166 26.7 23.8 35.6





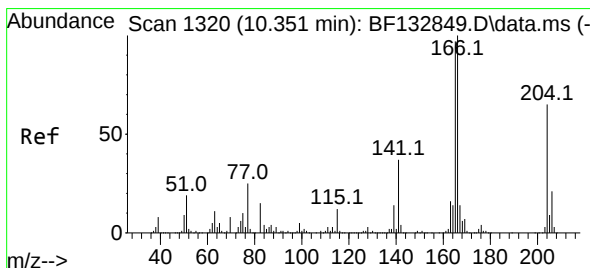
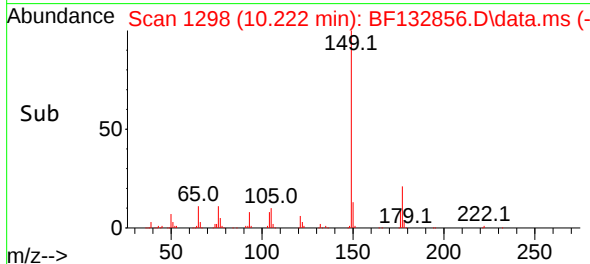
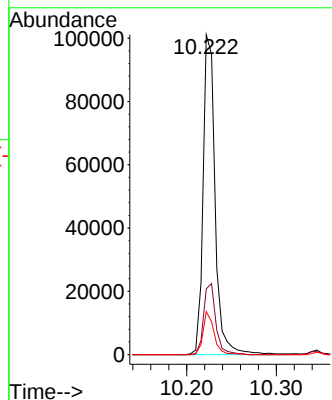
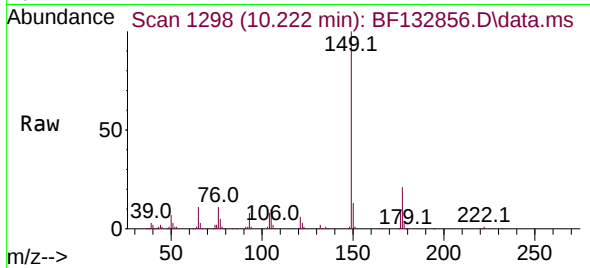
#60
Diethylphthalate
Concen: 3.838 ng
RT: 10.222 min Scan# 1319
Delta R.T. -0.012 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:149 Resp: 94297
Ion Ratio Lower Upper
149 100
177 20.6 18.5 27.7
150 13.4 9.9 14.9

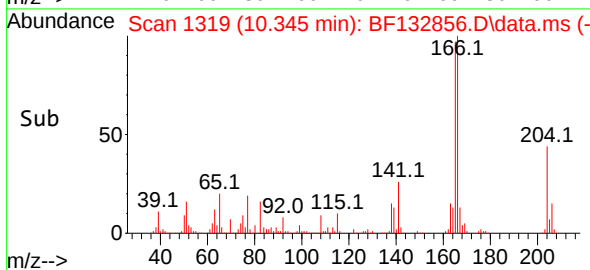
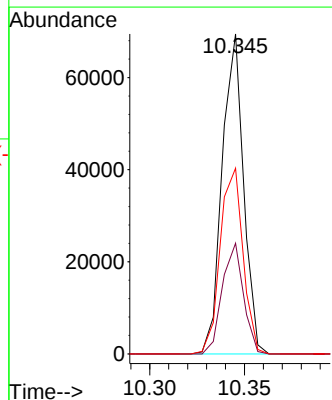
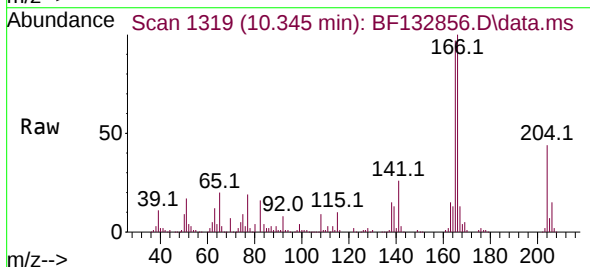
Manual Integrations
APPROVED

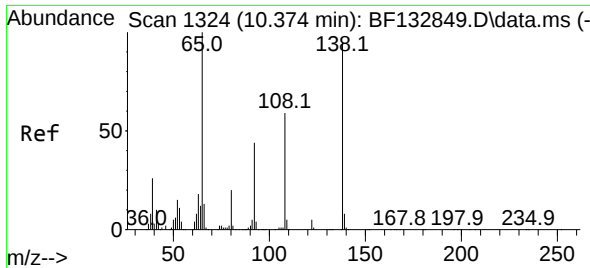
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#61
4-Chlorophenyl-phenylether
Concen: 4.002 ng
RT: 10.345 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

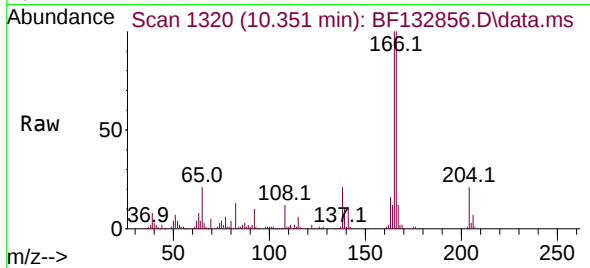
Tgt Ion:204 Resp: 54609
Ion Ratio Lower Upper
204 100
206 34.6 26.1 39.1
141 58.0 45.3 67.9





#62
4-Nitroaniline
Concen: 2.943 ng
RT: 10.351 min Scan# 1320
Delta R.T. -0.023 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

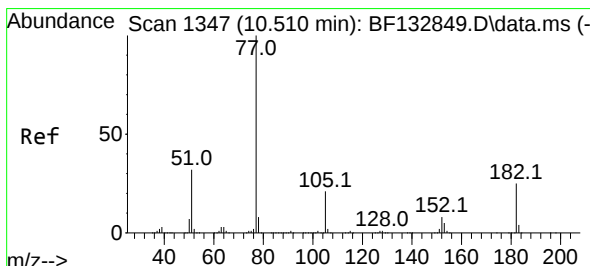
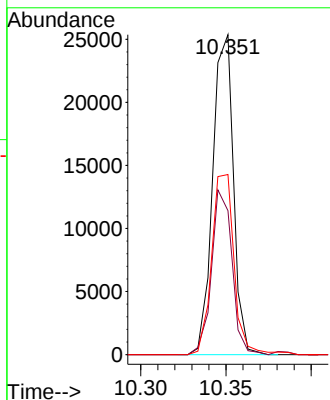
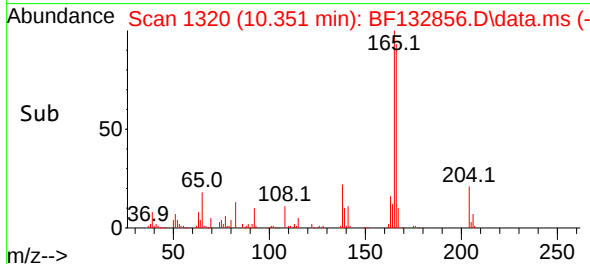
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



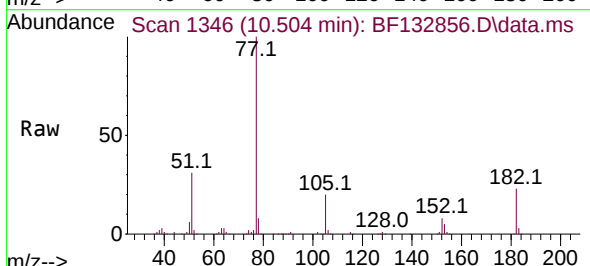
Tgt Ion:138 Resp: 21440
Ion Ratio Lower Upper
138 100
92 45.0 26.7 66.7
108 56.3 42.0 82.0

Manual Integrations
APPROVED

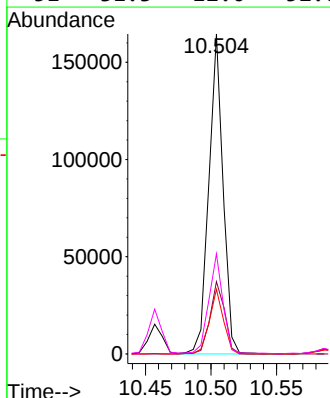
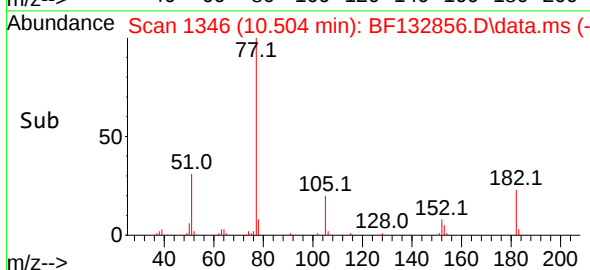
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023

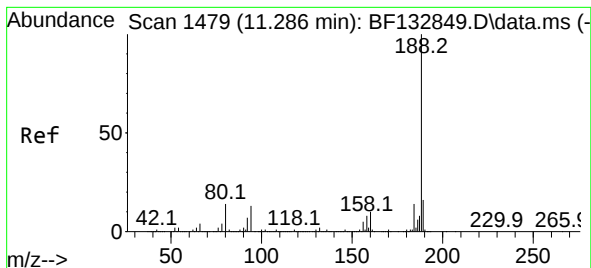


#63
Azobenzene
Concen: 3.885 ng
RT: 10.504 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38



Tgt Ion: 77 Resp: 124340
Ion Ratio Lower Upper
77 100
182 22.6 5.1 45.1
105 20.2 0.9 40.9
51 31.3 12.0 52.0





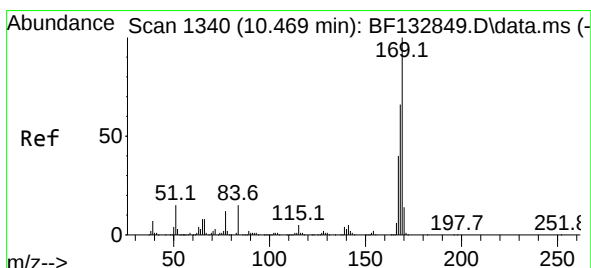
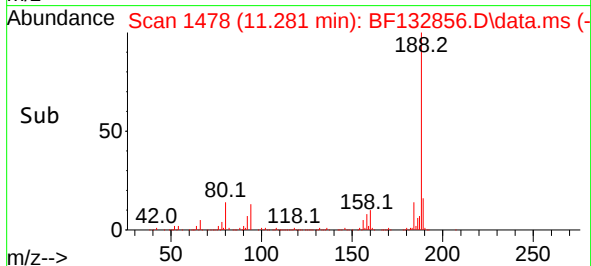
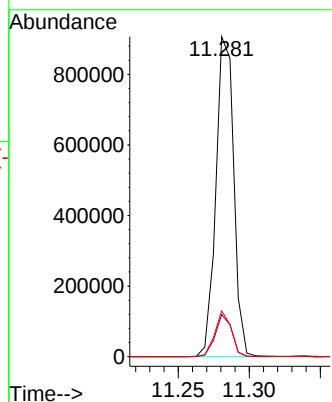
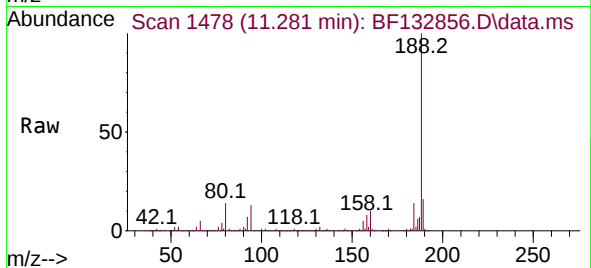
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.281 min Scan# 1479
Delta R.T. -0.005 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:188 Resp: 794084
Ion Ratio Lower Upper
188 100
94 13.1 10.8 16.2
80 14.3 10.9 16.3

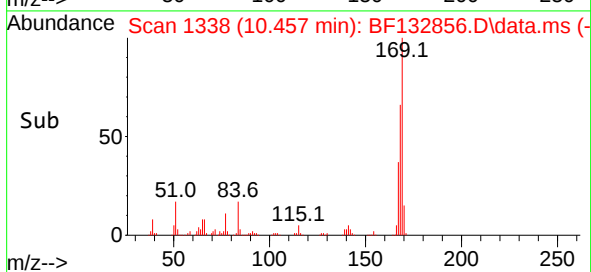
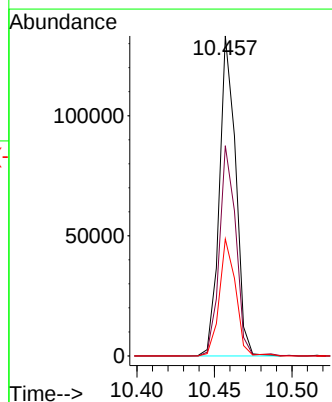
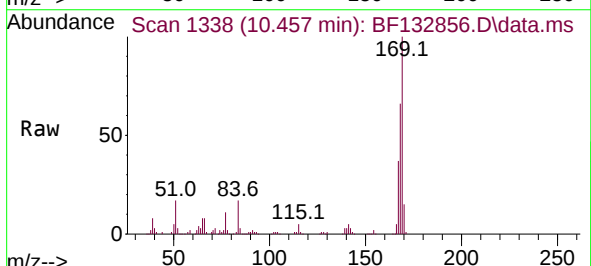
Manual Integrations
APPROVED

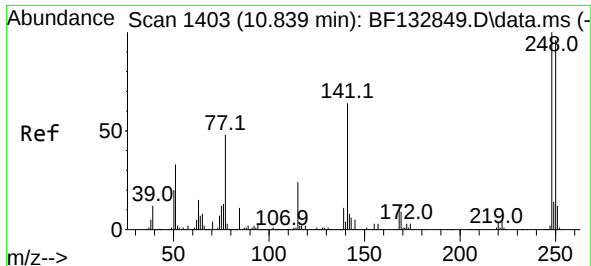
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#66
n-Nitrosodiphenylamine
Concen: 4.047 ng
RT: 10.457 min Scan# 1338
Delta R.T. -0.012 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

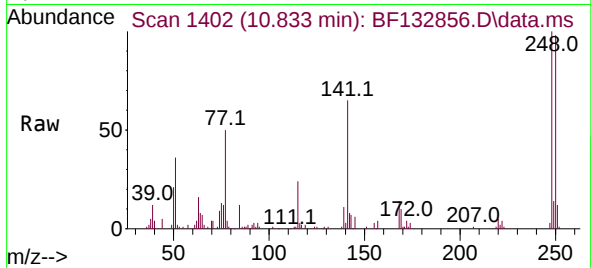
Tgt Ion:169 Resp: 98071
Ion Ratio Lower Upper
169 100
168 65.7 52.9 79.3
167 36.5 31.8 47.6





#67
4-Bromophenyl-phenylether
Concen: 3.798 ng
RT: 10.833 min Scan# 1402
Delta R.T. -0.006 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

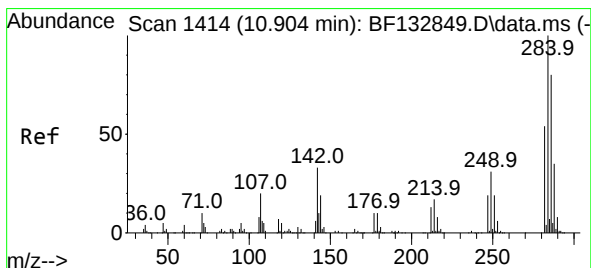
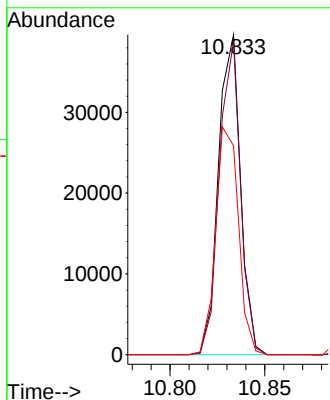
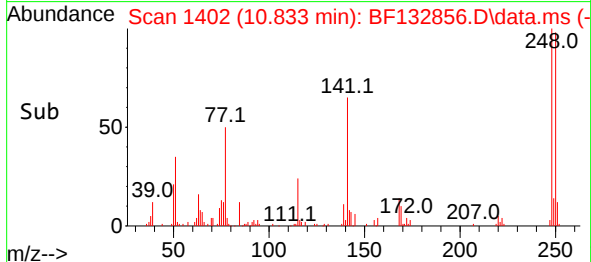
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



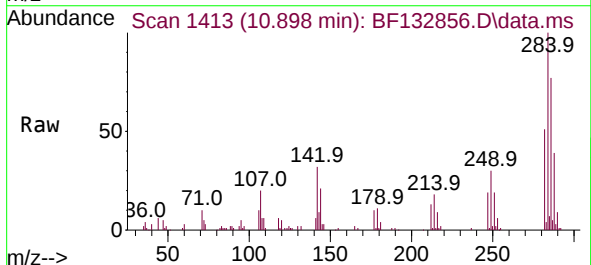
Tgt Ion:248 Resp: 3201
Ion Ratio Lower Upper
248 100
250 98.0 76.9 115.3
141 65.3 50.9 76.3

Manual Integrations
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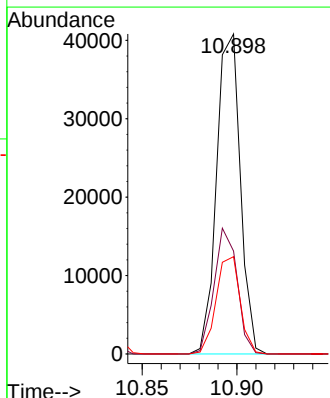
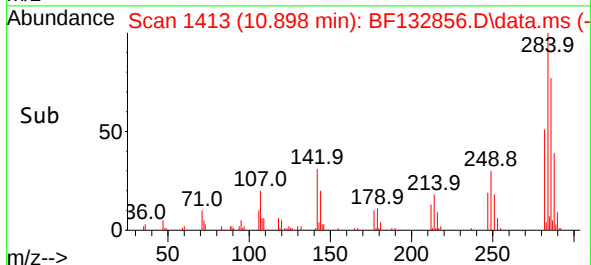
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023

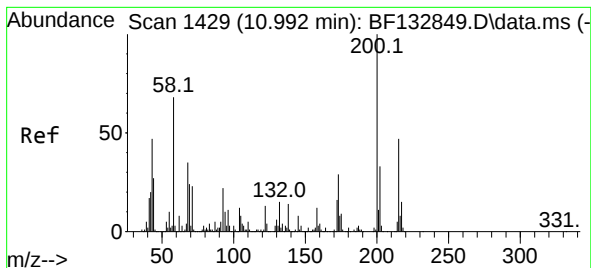


#68
Hexachlorobenzene
Concen: 4.077 ng
RT: 10.898 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38



Tgt Ion:284 Resp: 35576
Ion Ratio Lower Upper
284 100
142 32.1 26.2 39.2
249 30.4 24.4 36.6





#69

Atrazine

Concen: 3.863 ng

RT: 10.981 min Scan# 1427

Delta R.T. -0.012 min

Lab File: BF132856.D

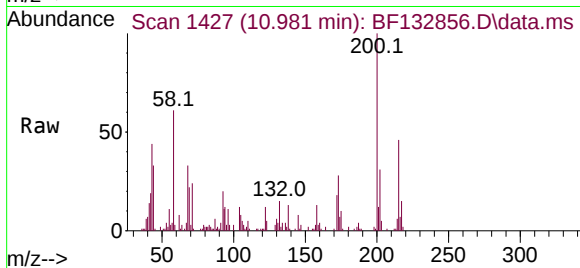
Acq: 11 Apr 2023 18:38

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

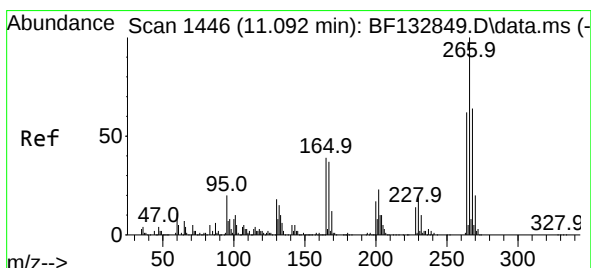
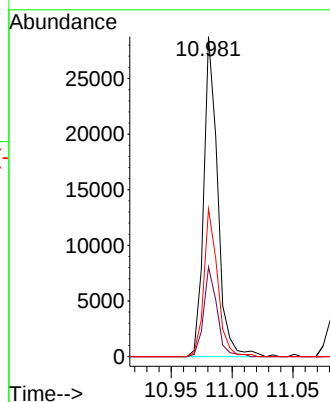
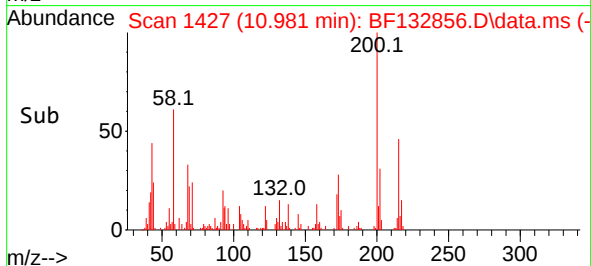


Tgt Ion:	200	Resp:	2294
Ion Ratio	Lower	Upper	
200	100		
173	28.0	8.7	48.7
215	46.2	26.7	66.7

Manual Integrations

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Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#70

Pentachlorophenol

Concen: 2.904 ng

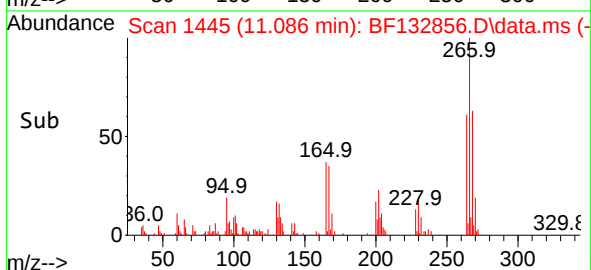
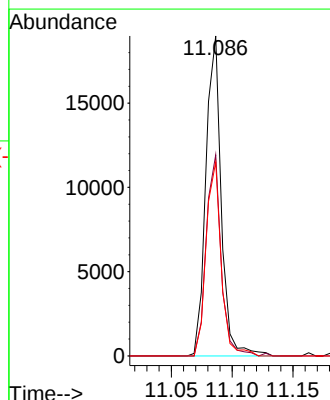
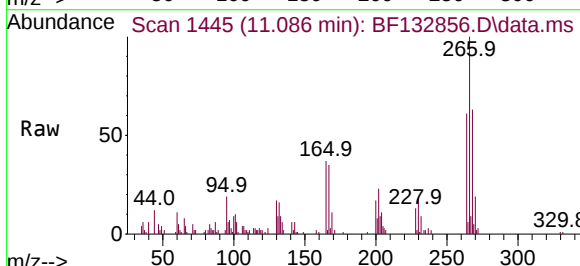
RT: 11.086 min Scan# 1445

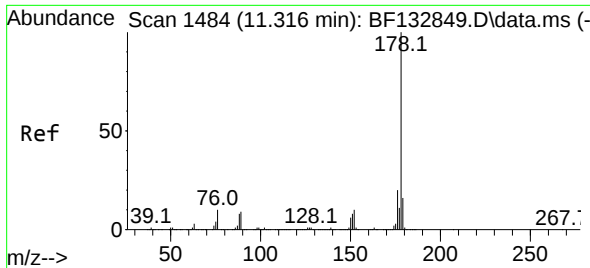
Delta R.T. -0.006 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

Tgt Ion:	266	Resp:	16691
Ion Ratio	Lower	Upper	
266	100		
268	62.8	51.2	76.8
264	60.6	49.8	74.8





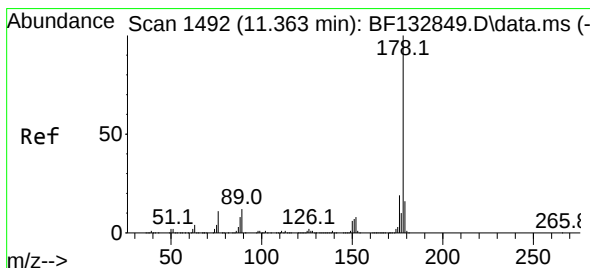
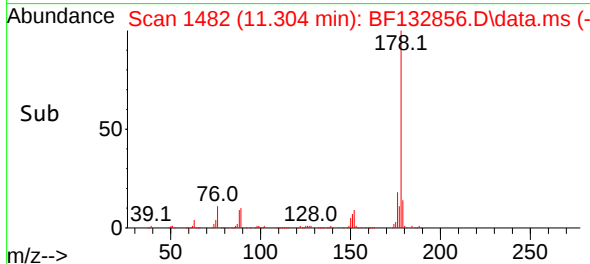
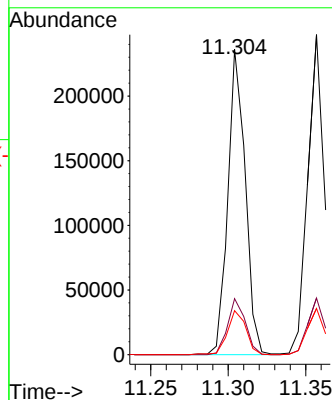
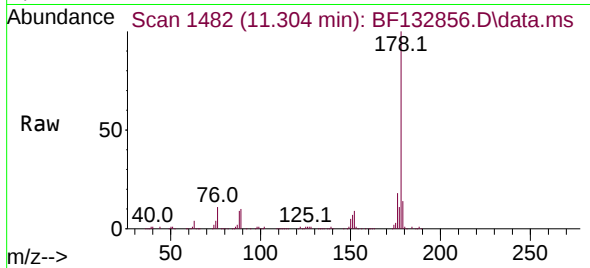
#71
Phenanthrene
Concen: 4.231 ng
RT: 11.304 min Scan# 1482
Delta R.T. -0.012 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:178 Resp: 184293
Ion Ratio Lower Upper
178 100
176 18.3 15.8 23.8
179 14.4 12.6 18.8

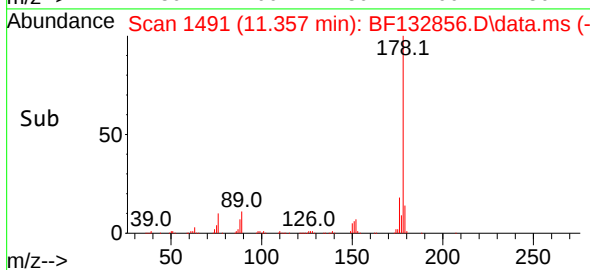
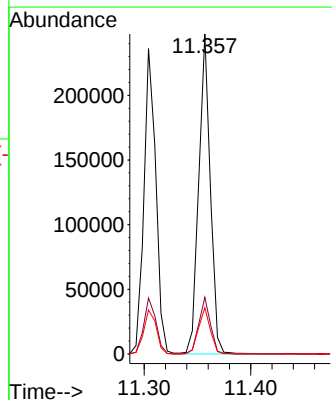
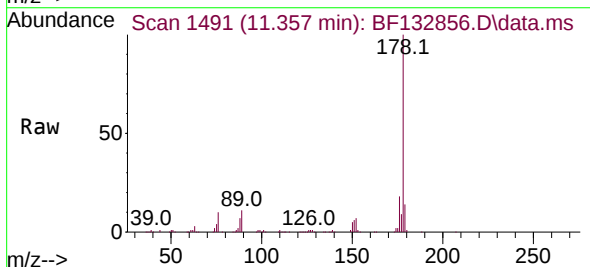
Manual Integrations
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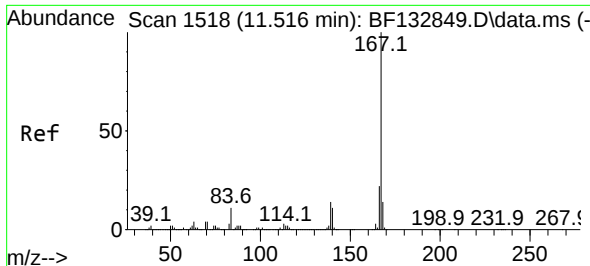
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#72
Anthracene
Concen: 4.174 ng
RT: 11.357 min Scan# 1491
Delta R.T. -0.006 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

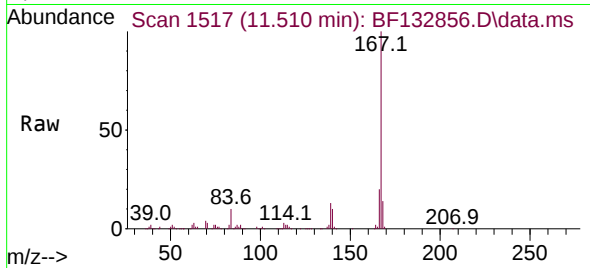
Tgt Ion:178 Resp: 185849
Ion Ratio Lower Upper
178 100
176 17.7 15.3 22.9
179 14.4 12.5 18.7





#73
 Carbazole
 Concen: 4.077 ng
 RT: 11.510 min Scan# 1518
 Delta R.T. -0.006 min
 Lab File: BF132856.D
 Acq: 11 Apr 2023 18:38

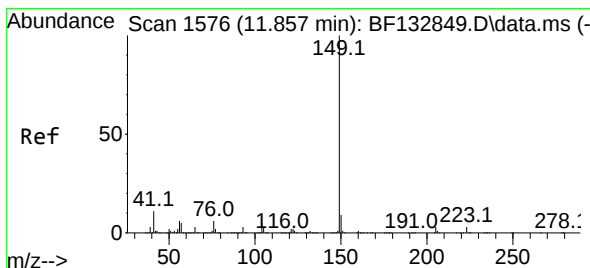
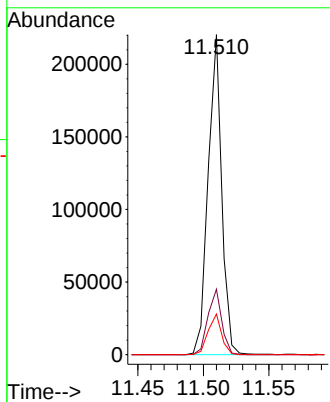
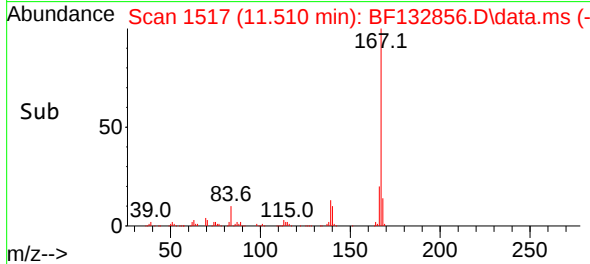
Instrument : BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023



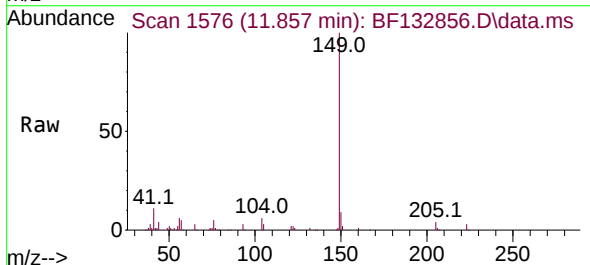
Tgt Ion:167 Resp: 158813
 Ion Ratio Lower Upper
 167 100
 166 20.4 17.4 26.0
 139 12.7 11.1 16.7

Manual Integrations
 APPROVED

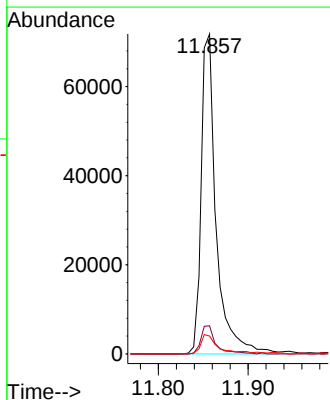
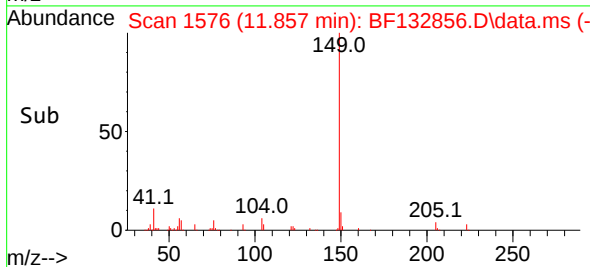
Reviewed By :Christian Giraldo 04/12/2023
 Supervised By :Jagrut Upadhyay 04/12/2023

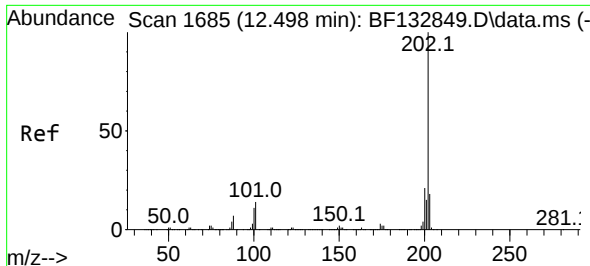


#74
 Di-n-butylphthalate
 Concen: 3.326 ng
 RT: 11.857 min Scan# 1576
 Delta R.T. -0.000 min
 Lab File: BF132856.D
 Acq: 11 Apr 2023 18:38



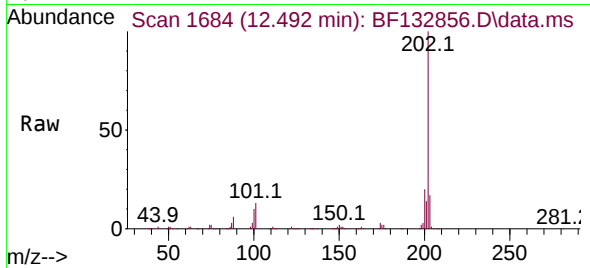
Tgt Ion:149 Resp: 83104
 Ion Ratio Lower Upper
 149 100
 150 8.8 7.4 11.2
 104 5.6 4.3 6.5





#75
Fluoranthene
Concen: 3.754 ng
RT: 12.492 min Scan# 1684
Delta R.T. -0.006 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

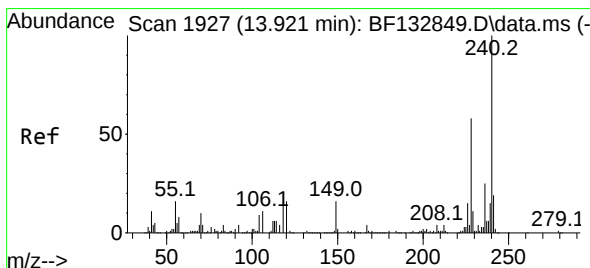
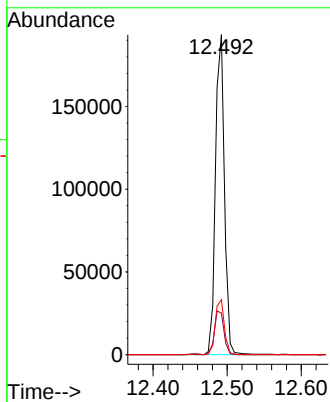
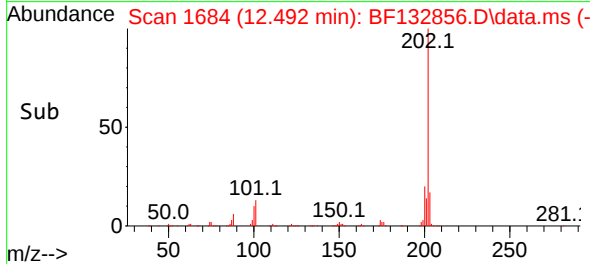
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:202 Resp: 163705
Ion Ratio Lower Upper
202 100
101 13.0 0.0 34.2
203 17.2 0.0 37.8

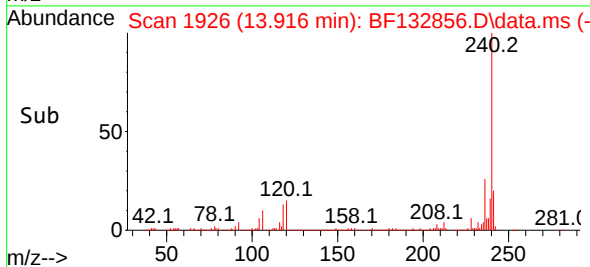
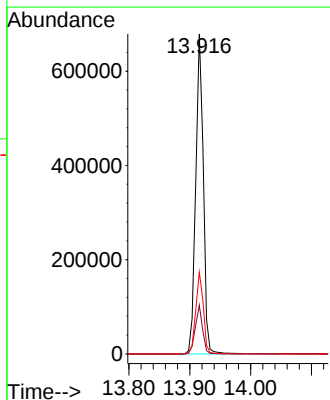
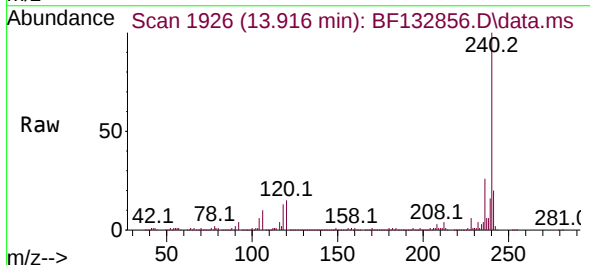
Manual Integrations
APPROVED

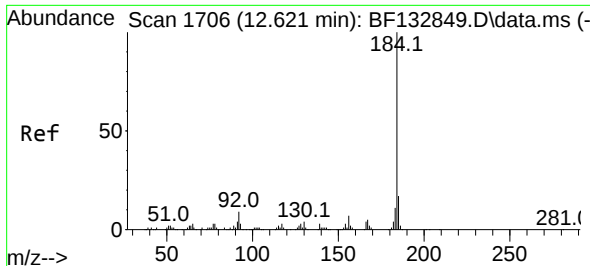
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.916 min Scan# 1926
Delta R.T. -0.005 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

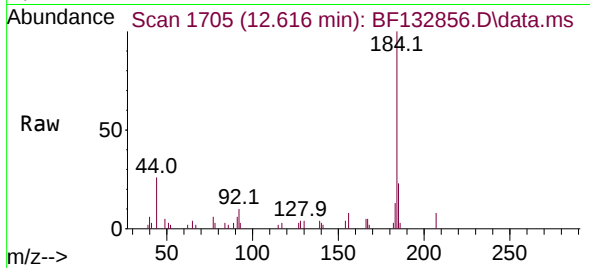
Tgt Ion:240 Resp: 593168
Ion Ratio Lower Upper
240 100
120 15.2 12.6 18.8
236 25.5 20.3 30.5





#77
Benzidine
Concen: 2.836 ng
RT: 12.616 min Scan# 1705
Delta R.T. -0.005 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

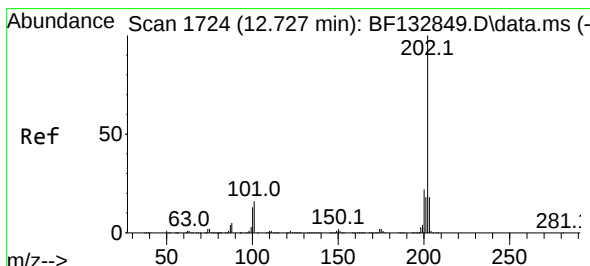
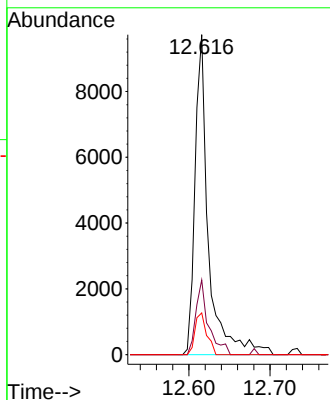
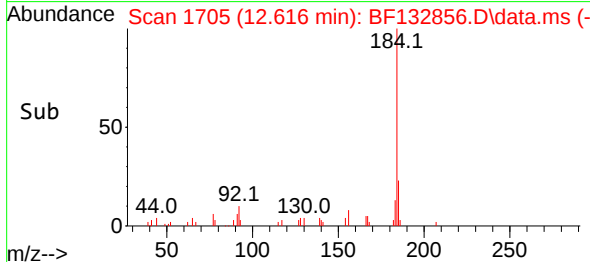
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



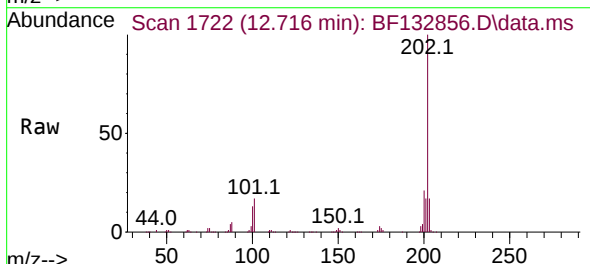
Tgt Ion:184 Resp: 11113
Ion Ratio Lower Upper
184 100
185 23.3 13.2 19.8
183 13.0 8.9 13.3

Manual Integrations
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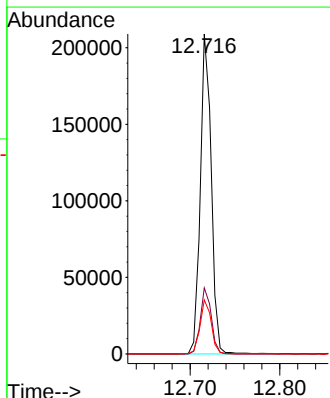
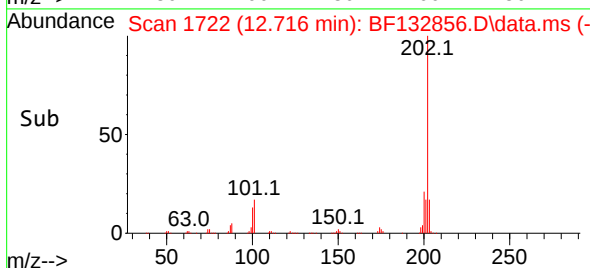
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023

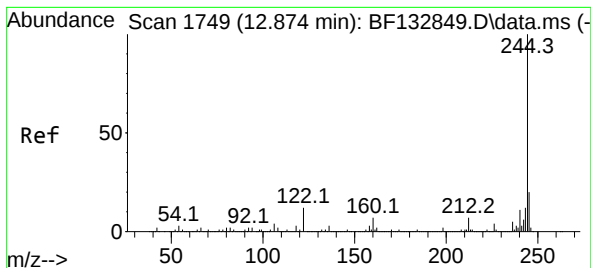


#78
Pyrene
Concen: 3.481 ng
RT: 12.716 min Scan# 1722
Delta R.T. -0.012 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38



Tgt Ion:202 Resp: 176361
Ion Ratio Lower Upper
202 100
200 20.6 17.4 26.0
203 16.9 14.2 21.4





#79

Terphenyl-d14

Concen: 66.995 ng

RT: 12.875 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF132856.D

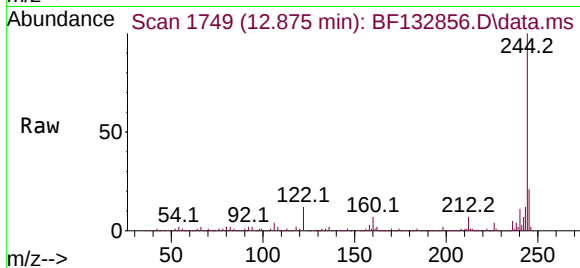
Acq: 11 Apr 2023 18:38

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:244 Resp: 2293536

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

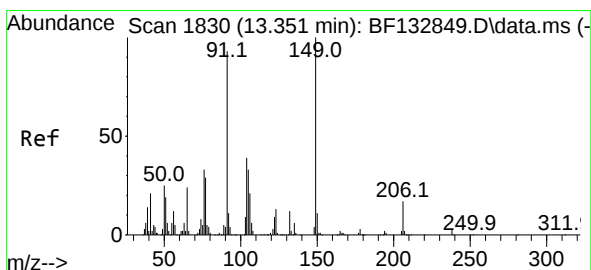
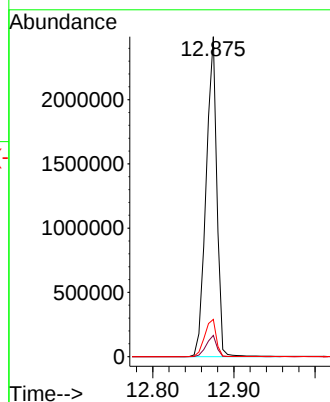
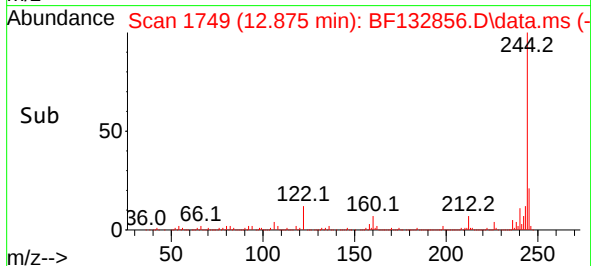
122 11.6 9.8 14.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/12/2023

Supervised By :Jagrut Upadhyay 04/12/2023



#80

Butylbenzylphthalate

Concen: 2.080 ng

RT: 13.345 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

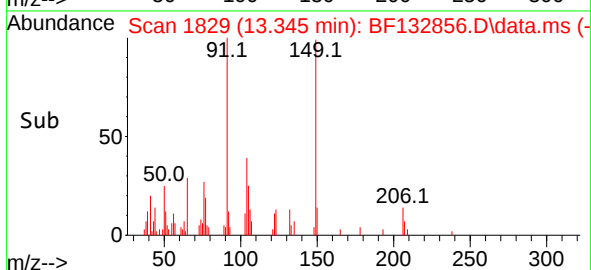
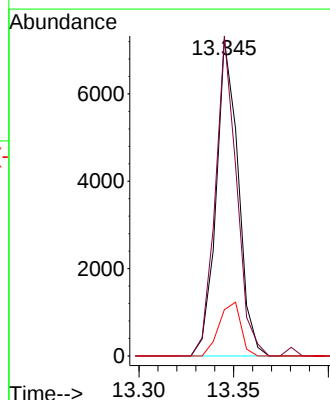
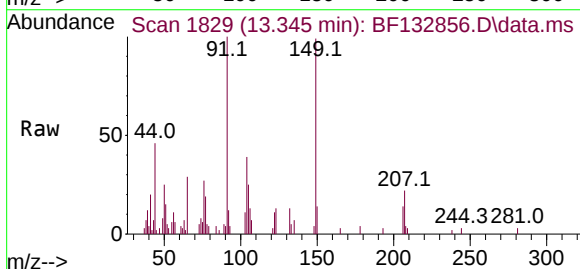
Tgt Ion:149 Resp: 5854

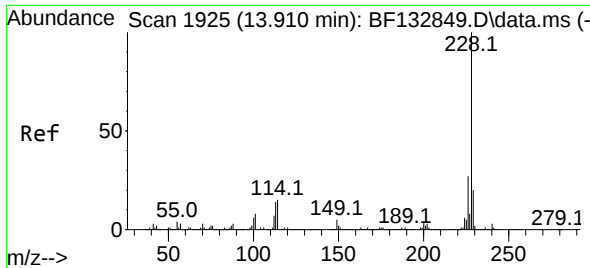
Ion Ratio Lower Upper

149 100

91 101.2 74.8 112.2

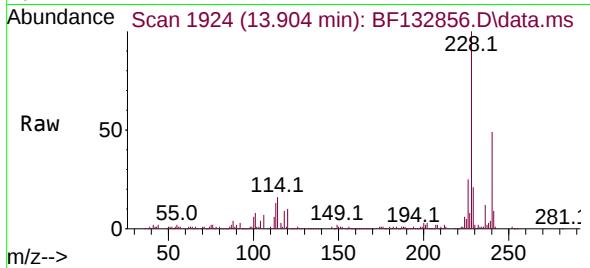
206 14.6 13.8 20.6





#81
Benzo(a)anthracene
Concen: 3.644 ng
RT: 13.904 min Scan# 1919
Delta R.T. -0.006 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

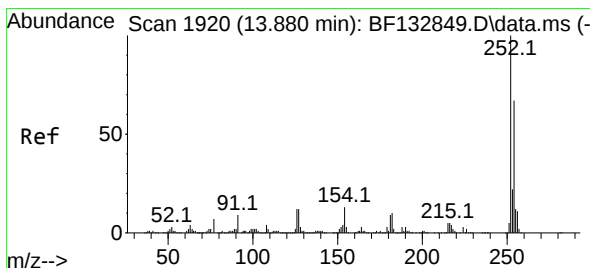
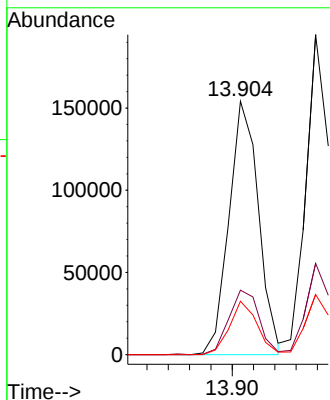
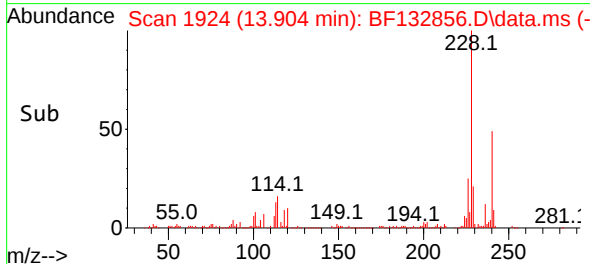
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



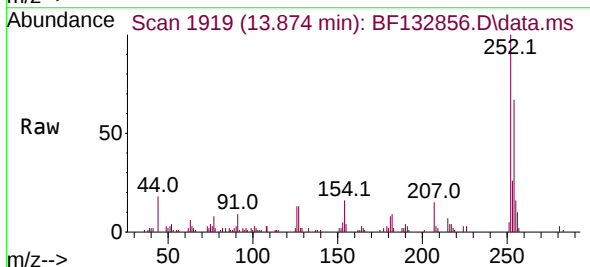
Tgt Ion:228 Resp: 148668
Ion Ratio Lower Upper
228 100
226 25.4 21.9 32.9
229 21.0 16.1 24.1

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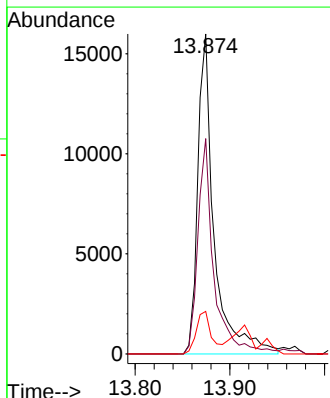
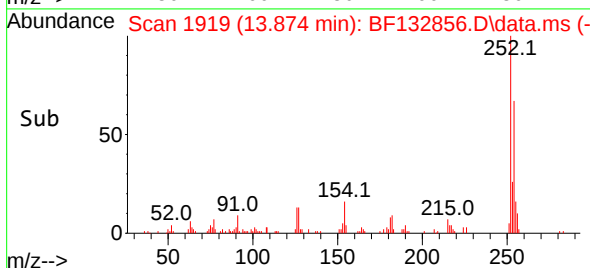
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023

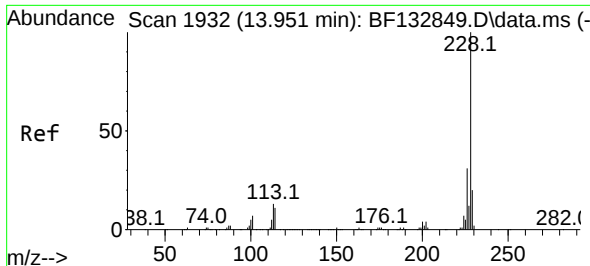


#82
3,3'-Dichlorobenzidine
Concen: 2.953 ng
RT: 13.874 min Scan# 1919
Delta R.T. -0.006 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38



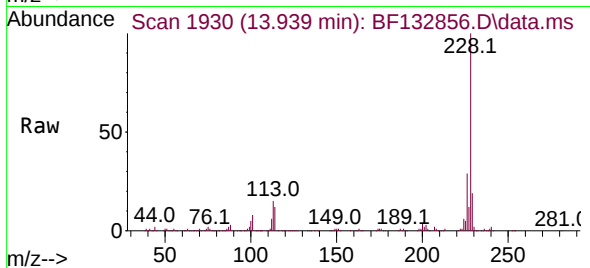
Tgt Ion:252 Resp: 19124
Ion Ratio Lower Upper
252 100
254 67.3 53.8 80.6
126 13.3 9.4 14.0





#83
Chrysene
Concen: 3.839 ng
RT: 13.939 min Scan# 1930
Delta R.T. -0.012 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

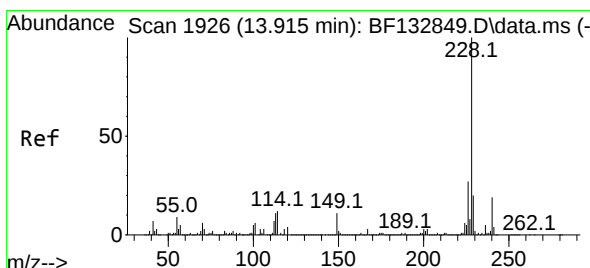
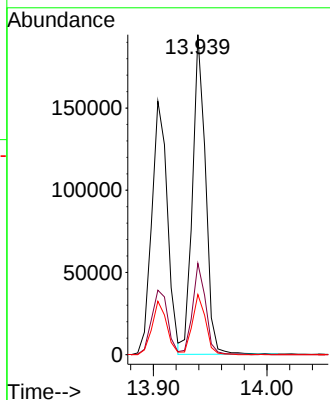
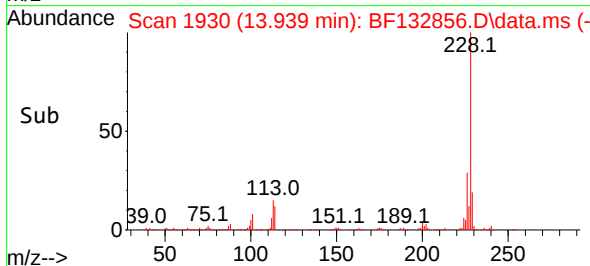
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



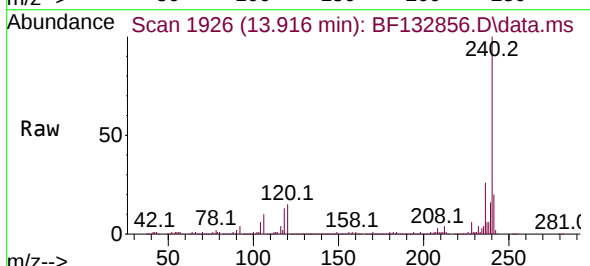
Tgt Ion:228 Resp: 154176
Ion Ratio Lower Upper
228 100
226 28.5 24.3 36.5
229 18.8 15.8 23.6

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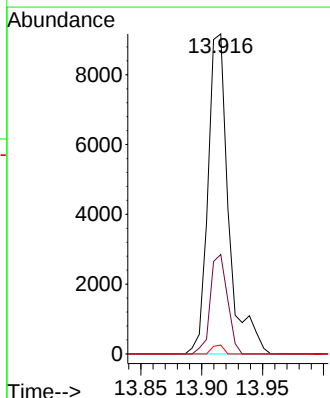
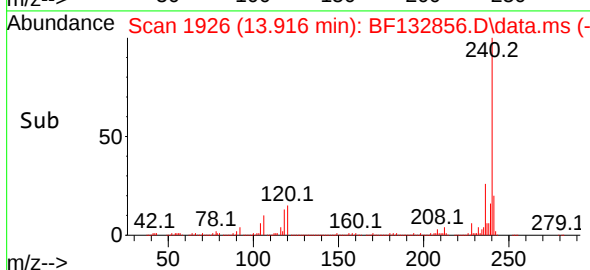
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023

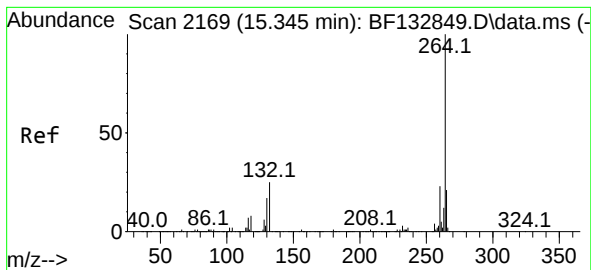


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.508 ng
RT: 13.916 min Scan# 1926
Delta R.T. 0.001 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38



Tgt Ion:149 Resp: 10824
Ion Ratio Lower Upper
149 100
167 31.1 20.4 30.6#
279 2.8 2.3 3.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.345 min Scan# 2169

Delta R.T. 0.000 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:264 Resp: 523236

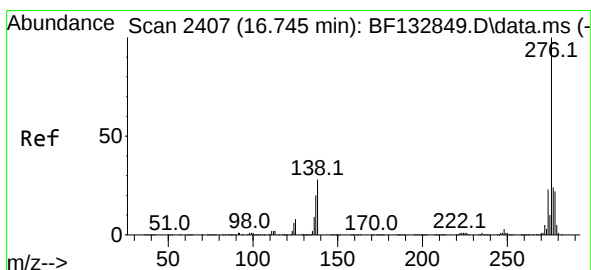
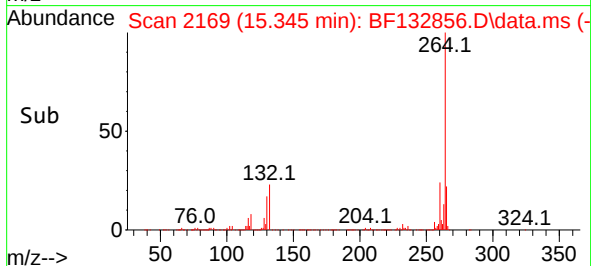
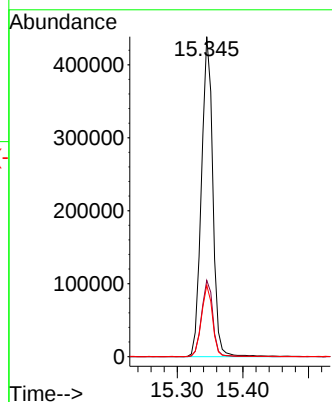
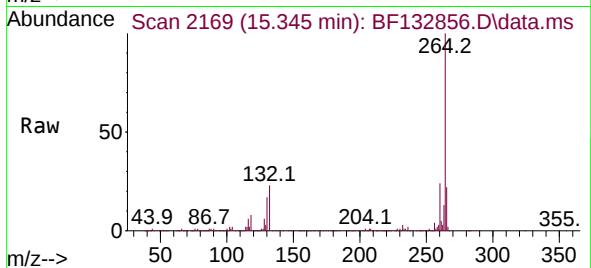
Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.2	27.4
265	22.3	17.2	25.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/12/2023

Supervised By :Jagrut Upadhyay 04/12/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.739 ng

RT: 16.733 min Scan# 2405

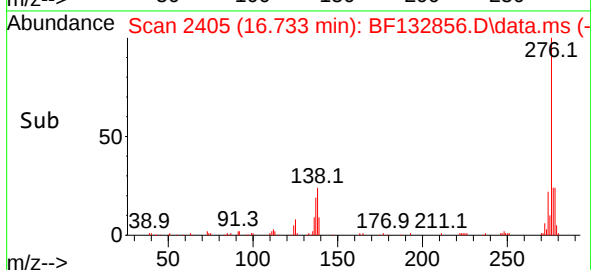
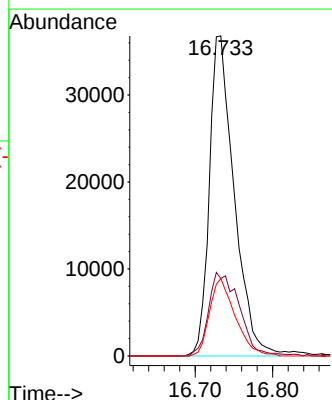
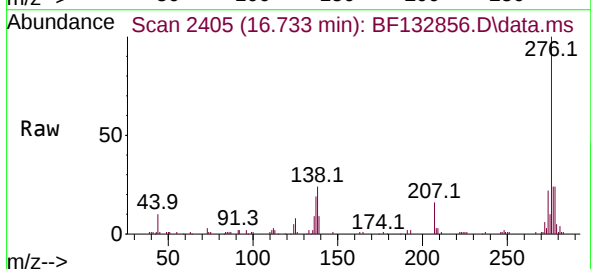
Delta R.T. -0.012 min

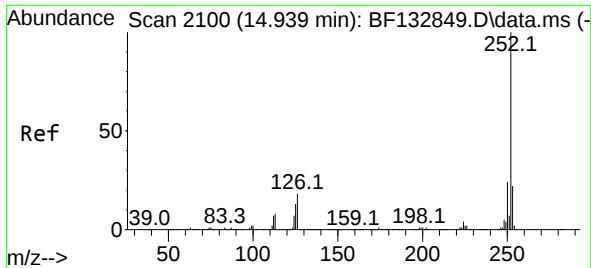
Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

Tgt Ion:276 Resp: 81746

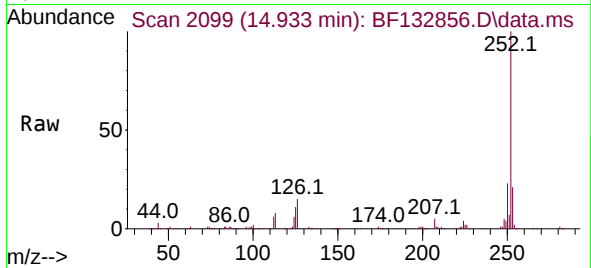
Ion	Ratio	Lower	Upper
276	100		
138	32.4	27.0	40.6
277	25.0	20.1	30.1





#88
Benzo(b)fluoranthene
Concen: 3.617 ng
RT: 14.933 min Scan# 2099
Delta R.T. -0.006 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

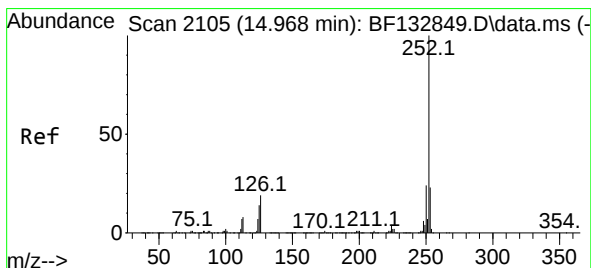
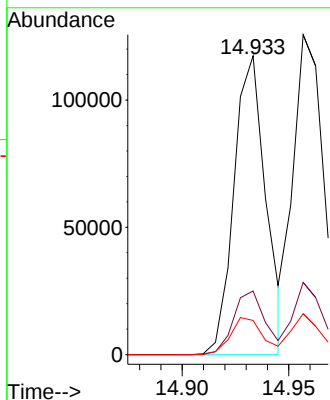
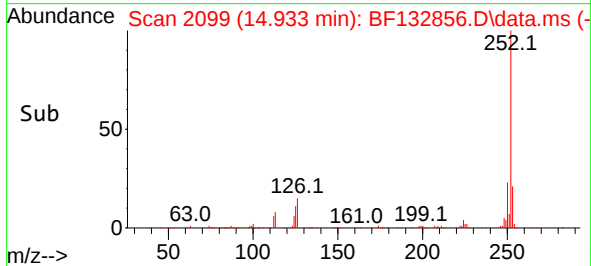
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:252 Resp: 122133
Ion Ratio Lower Upper
252 100
253 21.3 17.8 26.6
125 11.4 10.2 15.2

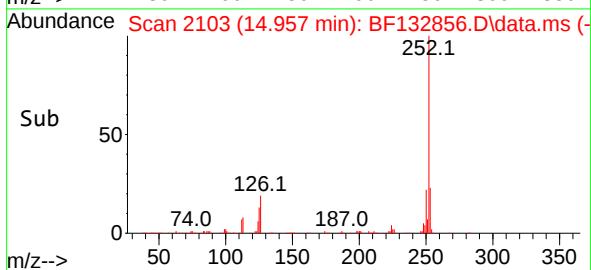
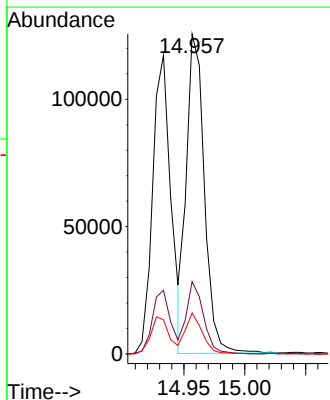
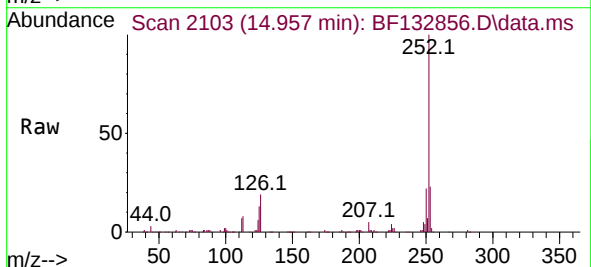
Manual Integrations
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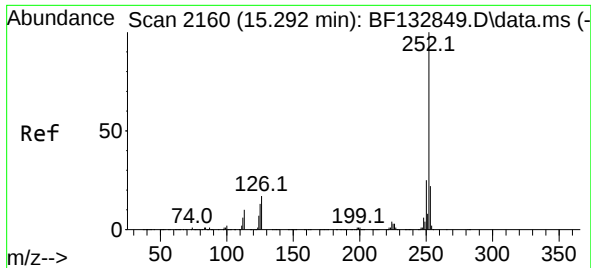
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#89
Benzo(k)fluoranthene
Concen: 3.719 ng
RT: 14.957 min Scan# 2103
Delta R.T. -0.012 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

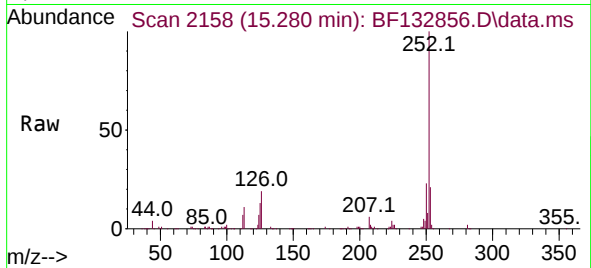
Tgt Ion:252 Resp: 128989
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 12.8 10.5 15.7





#90
Benzo(a)pyrene
Concen: 3.143 ng
RT: 15.280 min Scan# 2160
Delta R.T. -0.012 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

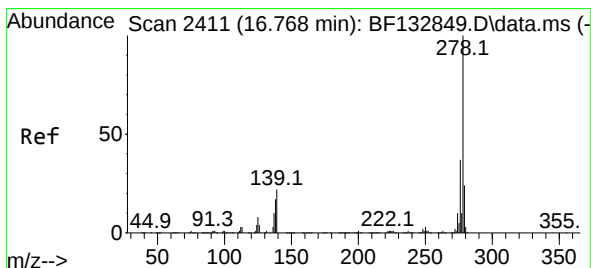
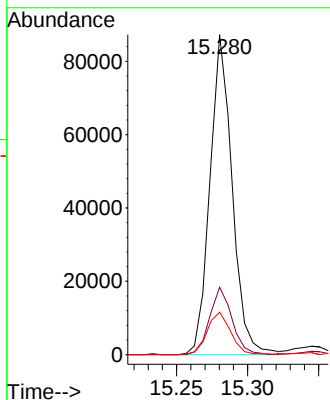
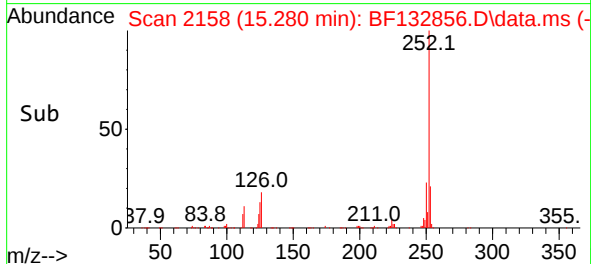
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:252 Resp: 95192
Ion Ratio Lower Upper
252 100
253 21.1 17.8 26.6
125 13.3 10.5 15.7

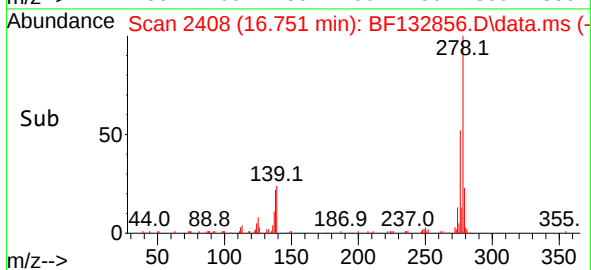
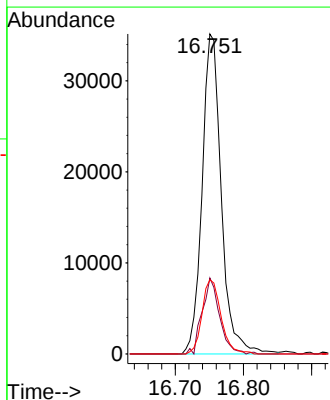
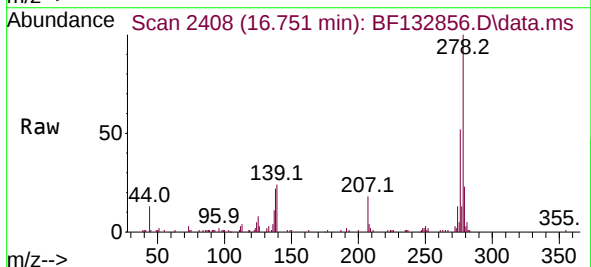
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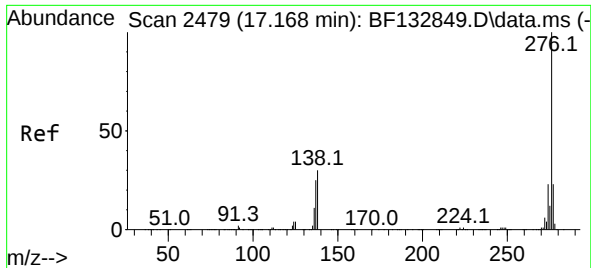
Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023



#91
Dibenzo(a,h)anthracene
Concen: 2.787 ng
RT: 16.751 min Scan# 2408
Delta R.T. -0.017 min
Lab File: BF132856.D
Acq: 11 Apr 2023 18:38

Tgt Ion:278 Resp: 68847
Ion Ratio Lower Upper
278 100
139 23.7 17.4 26.0
279 23.2 19.0 28.6





#92

Benzo(g,h,i)perylene

Concen: 2.717 ng

RT: 17.151 min Scan# 24

Delta R.T. -0.017 min

Lab File: BF132856.D

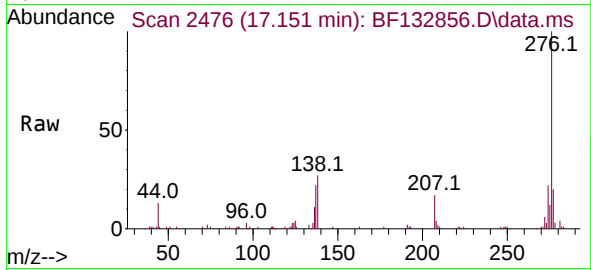
Acq: 11 Apr 2023 18:38

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:276 Resp: 68369

Ion Ratio Lower Upper

276 100

277 20.0 18.6 28.0

138 27.3 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/12/2023

Supervised By :Jagrut Upadhyay 04/12/2023

