

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092223\
 Data File : BF135404.D
 Acq On : 22 Sep 2023 17:34
 Operator : CG\JU
 Sample : 04474-03MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 H-2313-SOILMS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/25/2023
 Supervised By :mohammad ahmed 09/27/2023

Quant Time: Sep 23 04:55:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	158720	20.000	ng	0.00
21) Naphthalene-d8	8.040	136	609048	20.000	ng	0.00
39) Acenaphthene-d10	9.792	164	288649	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	496655	20.000	ng	# 0.00
76) Chrysene-d12	13.945	240	247317	20.000	ng	0.00
86) Perylene-d12	15.410	264	333745	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	1056075	108.219	ng	0.02
7) Phenol-d6	6.410	99	1260292	101.565	ng	0.00
23) Nitrobenzene-d5	7.328	82	943150	84.133	ng	0.00
42) 2,4,6-Tribromophenol	10.592	330	289749	101.012	ng	0.00
45) 2-Fluorobiphenyl	9.116	172	1534746	80.219	ng	-0.01
79) Terphenyl-d14	12.880	244	1243018	77.913	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.658	88	184509	43.130	ng	# 78
3) Pyridine	3.393	79	376408	32.692	ng	95
4) n-Nitrosodimethylamine	3.322	42	284030	46.487	ng	89
6) Aniline	6.428	93	332298	20.421	ng	# 30
8) 2-Chlorophenol	6.551	128	462034	44.352	ng	97
9) Benzaldehyde	6.316	77	82798	11.713	ng	99
10) Phenol	6.422	94	491695	36.136	ng	97
11) bis(2-Chloroethyl)ether	6.504	93	497659	48.759	ng	99
12) 1,3-Dichlorobenzene	6.699	146	450792	42.579	ng	97
13) 1,4-Dichlorobenzene	6.775	146	448005	41.592	ng	99
14) 1,2-Dichlorobenzene	6.928	146	425909	42.578	ng	98
15) Benzyl Alcohol	6.910	79	402896	45.247	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.040	45	853775	44.379	ng	89
17) 2-Methylphenol	7.022	107	359999	39.160	ng	95
18) Hexachloroethane	7.263	117	169424	42.570	ng	91
19) n-Nitroso-di-n-propyla...	7.175	70	311535	40.533	ng	94
20) 3+4-Methylphenols	7.181	107	414287	37.478	ng	# 78
22) Acetophenone	7.169	105	606888	43.584	ng	# 94
24) Nitrobenzene	7.346	77	496381	44.799	ng	98
25) Isophorone	7.581	82	928166	45.089	ng	98
26) 2-Nitrophenol	7.657	139	242538	45.608	ng	99
27) 2,4-Dimethylphenol	7.698	122	370025	41.396	ng	96
28) bis(2-Chloroethoxy)met...	7.793	93	586728	47.621	ng	99
29) 2,4-Dichlorophenol	7.904	162	362308	43.742	ng	99
30) 1,2,4-Trichlorobenzene	7.981	180	382415	44.172	ng	100
31) Naphthalene	8.057	128	1298096	43.867	ng	98
32) Benzoic acid	7.846	122	265069	39.381	ng	97
33) 4-Chloroaniline	8.116	127	213964	16.480	ng	97
34) Hexachlorobutadiene	8.169	225	213419	40.883	ng	99
35) Caprolactam	8.493	113	109909m	39.538	ng	
36) 4-Chloro-3-methylphenol	8.610	107	388502	42.202	ng	95
37) 2-Methylnaphthalene	8.751	142	812580	40.851	ng	98
38) 1-Methylnaphthalene	8.851	142	780783	41.925	ng	98
40) 1,2,4,5-Tetrachloroben...	8.916	216	379109	45.335	ng	99
41) Hexachlorocyclopentadiene	8.898	237	219956	61.568	ng	98
43) 2,4,6-Trichlorophenol	9.040	196	243002	44.382	ng	99

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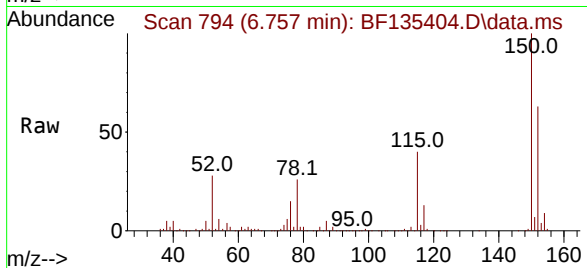
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.087	196	263032	41.716	ng	98
46) 1,1'-Biphenyl	9.216	154	1019686	45.969	ng	98
47) 2-Chloronaphthalene	9.245	162	769946	47.839	ng	99
48) 2-Nitroaniline	9.345	65	299693	47.931	ng	96
49) Acenaphthylene	9.657	152	1243464	46.488	ng	99
50) Dimethylphthalate	9.528	163	901342	46.186	ng	99
51) 2,6-Dinitrotoluene	9.592	165	198938	46.533	ng	88
52) Acenaphthene	9.828	154	727890	46.066	ng	96
53) 3-Nitroaniline	9.763	138	148448	29.581	ng	93
54) 2,4-Dinitrophenol	9.881	184	150920	63.575	ng	90
55) Dibenzofuran	10.004	168	1011876	41.965	ng	99
56) 4-Nitrophenol	9.940	139	217890	68.316	ng	97
57) 2,4-Dinitrotoluene	9.998	165	219407	40.994	ng #	80
58) Fluorene	10.351	166	795253	42.902	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.128	232	195934	40.396	ng	99
60) Diethylphthalate	10.228	149	875981	44.726	ng	99
61) 4-Chlorophenyl-phenyle...	10.339	204	367982	41.326	ng	95
62) 4-Nitroaniline	10.381	138	191134	39.622	ng	97
63) Azobenzene	10.504	77	894866	46.684	ng	99
65) 4,6-Dinitro-2-methylph...	10.416	198	108133	40.992	ng	84
66) n-Nitrosodiphenylamine	10.463	169	739951	49.212	ng	98
67) 4-Bromophenyl-phenylether	10.834	248	234505	47.475	ng	99
68) Hexachlorobenzene	10.898	284	250379	49.754	ng	94
69) Atrazine	10.998	200	217680	53.804	ng	97
70) Pentachlorophenol	11.098	266	224138	74.444	ng	98
71) Phenanthrene	11.316	178	1110710	47.285	ng	99
72) Anthracene	11.369	178	1138691	47.161	ng	99
73) Carbazole	11.528	167	1018184	46.324	ng	99
74) Di-n-butylphthalate	11.857	149	1295213	50.009	ng	100
75) Fluoranthene	12.510	202	1066317	43.566	ng	99
77) Benzidine	12.633	184	98232	19.388	ng	99
78) Pyrene	12.739	202	1060040	45.019	ng	99
80) Butylbenzylphthalate	13.363	149	432439	52.162	ng	97
81) Benzo(a)anthracene	13.933	228	757326	47.422	ng	99
82) 3,3'-Dichlorobenzidine	13.898	252	225575	45.221	ng #	99
83) Chrysene	13.975	228	761880	47.984	ng	100
84) Bis(2-ethylhexyl)phtha...	13.922	149	536857	63.105	ng #	99
85) Di-n-octyl phthalate	14.539	149	929906	68.781	ng	100
87) Indeno(1,2,3-cd)pyrene	16.898	276	922402	42.152	ng	96
88) Benzo(b)fluoranthene	14.986	252	850759	47.090	ng #	98
89) Benzo(k)fluoranthene	15.016	252	781478m	43.788	ng	
90) Benzo(a)pyrene	15.351	252	783575	45.480	ng	98
91) Dibenzo(a,h)anthracene	16.910	278	757570	42.311	ng	97
92) Benzo(g,h,i)perylene	17.345	276	729275	39.001	ng	98

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

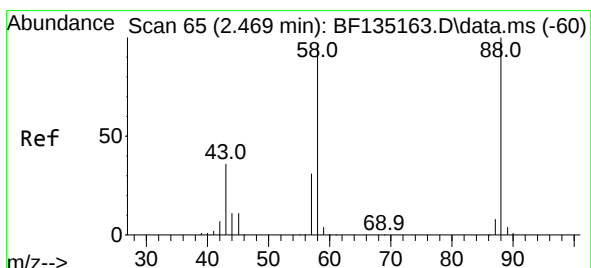
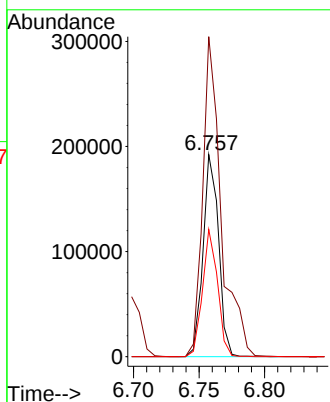
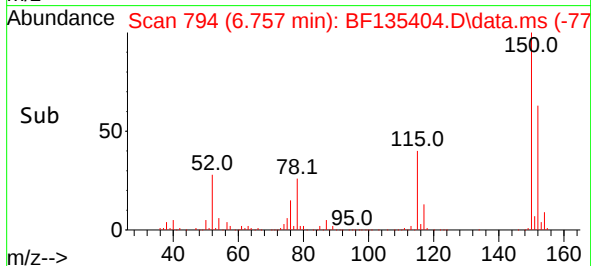
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMS



Tgt Ion:152 Resp: 158720
Ion Ratio Lower Upper
152 100
150 158.3 127.8 191.6
115 62.9 49.8 74.8

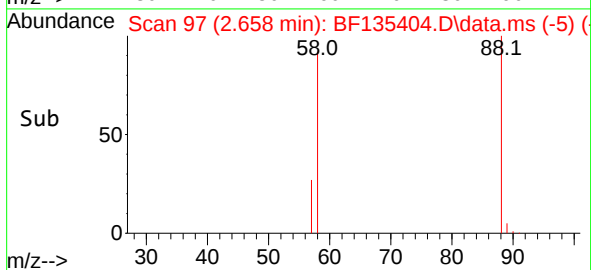
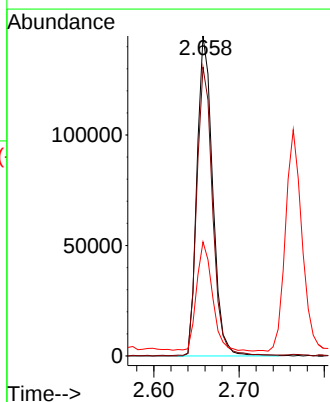
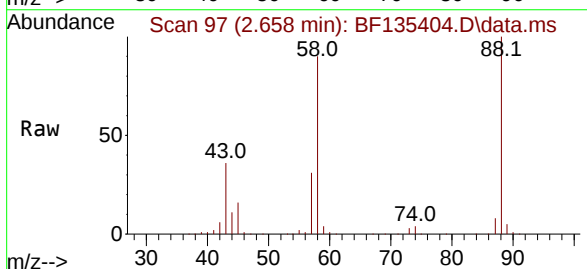
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023



#2
1,4-Dioxane
Concen: 43.130 ng
RT: 2.658 min Scan# 97
Delta R.T. 0.189 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

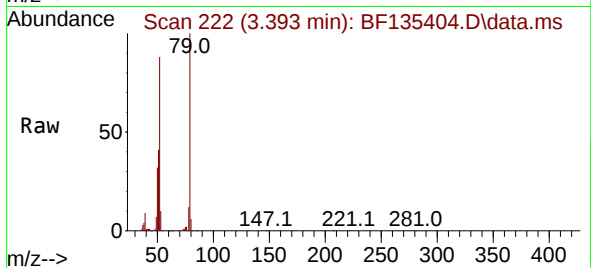
Tgt Ion: 88 Resp: 184509
Ion Ratio Lower Upper
88 100
58 90.7 78.3 117.5
43 0.0 29.4 44.0





#3
Pyridine
Concen: 32.692 ng
RT: 3.393 min Scan# 210
Delta R.T. 0.177 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

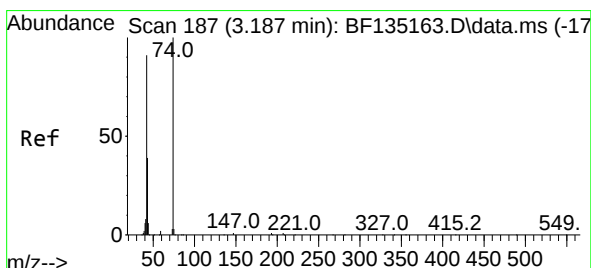
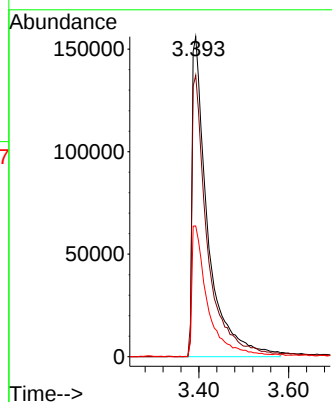
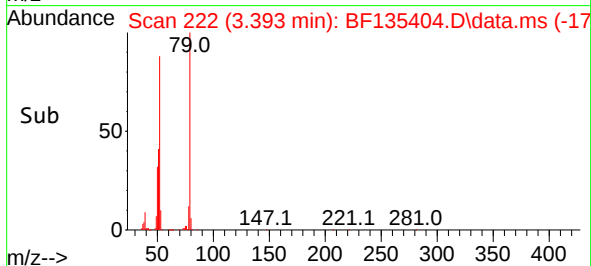
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ClientSampleId :
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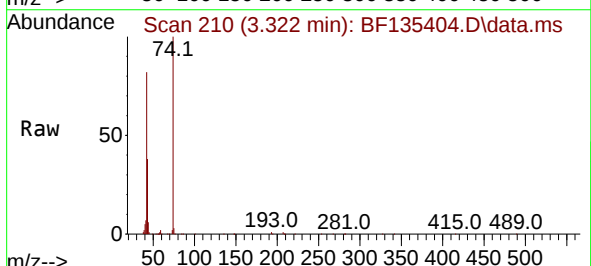
Tgt Ion: 79 Resp: 376408
Ion Ratio Lower Upper
79 100
52 87.9 74.1 111.1
51 40.9 35.8 53.8

Manual Integrations
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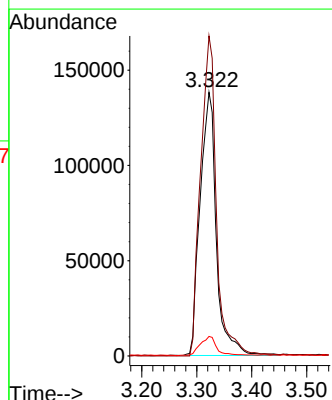
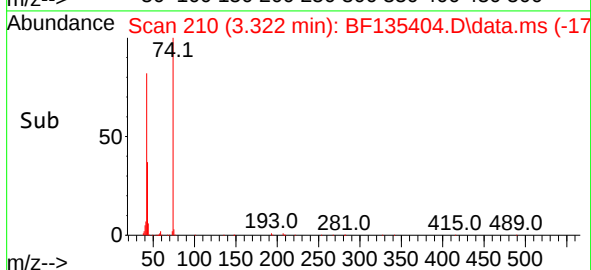
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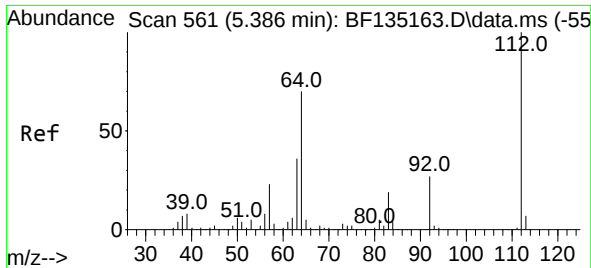


#4
n-Nitrosodimethylamine
Concen: 46.487 ng
RT: 3.322 min Scan# 210
Delta R.T. 0.136 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34



Tgt Ion: 42 Resp: 284030
Ion Ratio Lower Upper
42 100
74 121.4 87.7 131.5
44 7.4 5.6 8.4





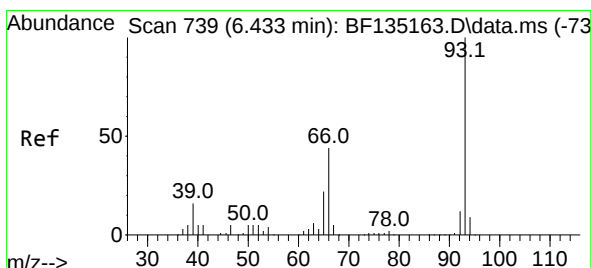
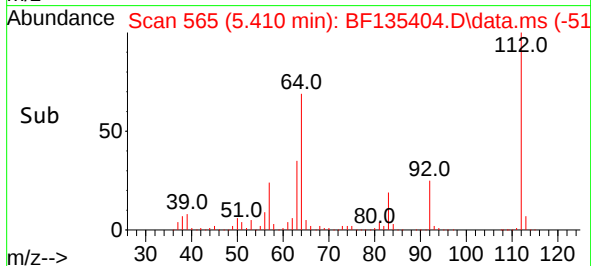
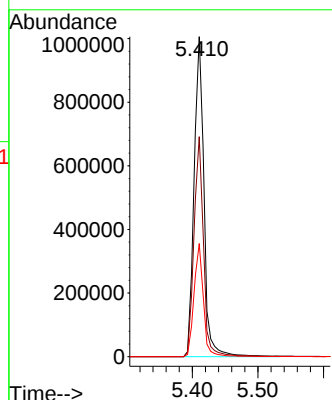
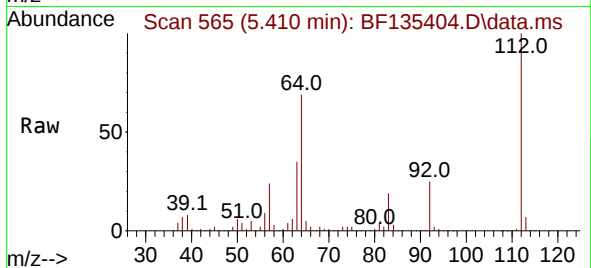
#5
2-Fluorophenol
Concen: 108.219 ng
RT: 5.410 min Scan# 561
Delta R.T. 0.024 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMS

Tgt Ion:112 Resp: 1056079
Ion Ratio Lower Upper
112 100
64 68.7 55.9 83.9
63 35.3 29.0 43.6

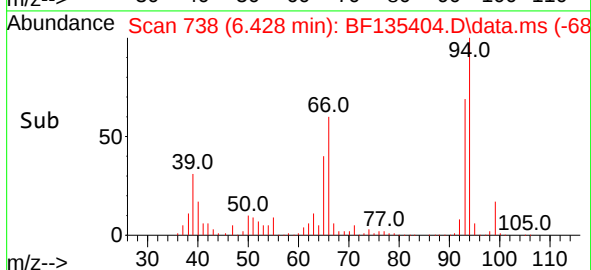
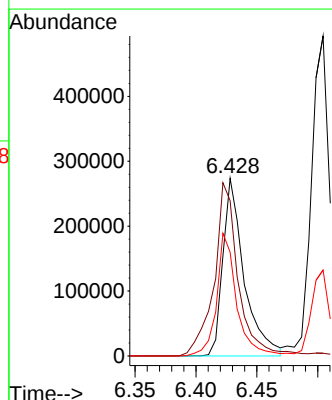
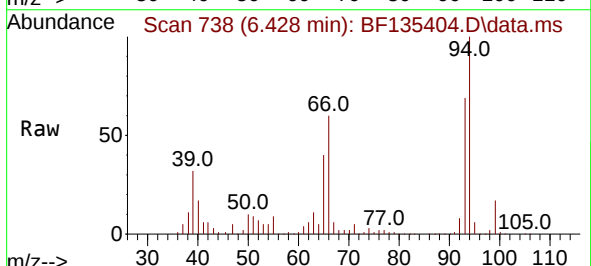
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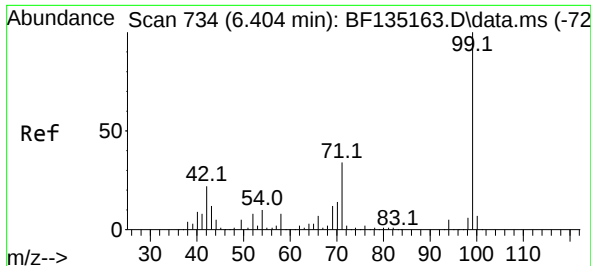
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023



#6
Aniline
Concen: 20.421 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

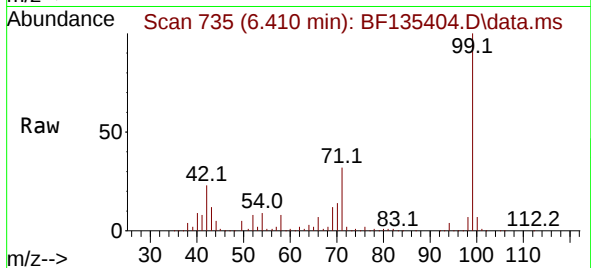
Tgt Ion: 93 Resp: 332298
Ion Ratio Lower Upper
93 100
66 87.4 35.4 53.0#
65 58.3 17.8 26.8#





#7
Phenol-d6
Concen: 101.565 ng
RT: 6.410 min Scan# 710
Delta R.T. 0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

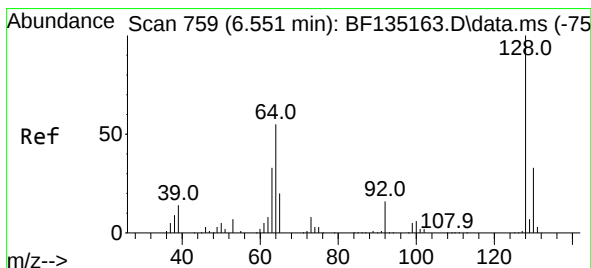
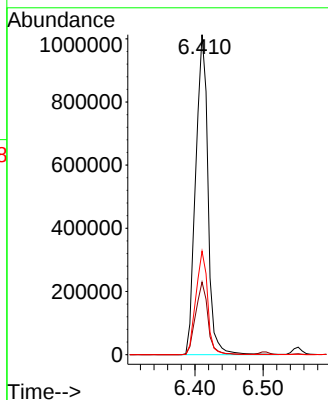
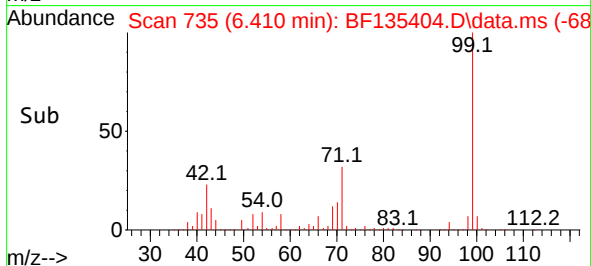
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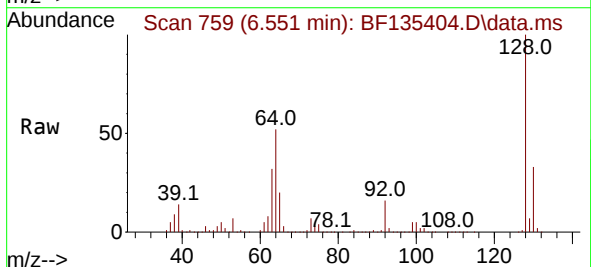
Tgt Ion: 99 Resp: 1260292
Ion Ratio Lower Upper
99 100
42 22.7 17.9 26.9
71 32.4 27.0 40.6

Manual Integrations
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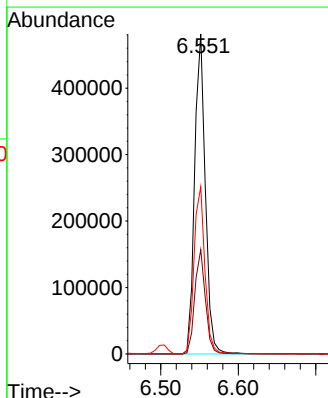
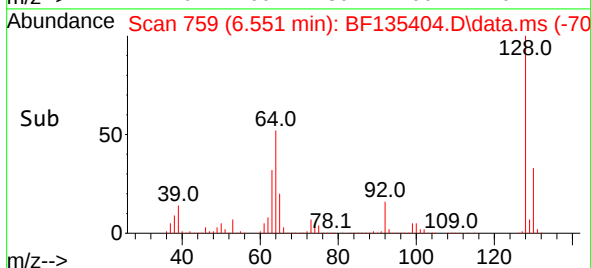
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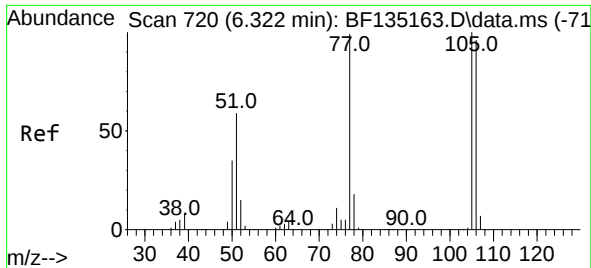


#8
2-Chlorophenol
Concen: 44.352 ng
RT: 6.551 min Scan# 759
Delta R.T. 0.000 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34



Tgt Ion:128 Resp: 462034
Ion Ratio Lower Upper
128 100
130 32.6 12.7 52.7
64 52.2 35.9 75.9





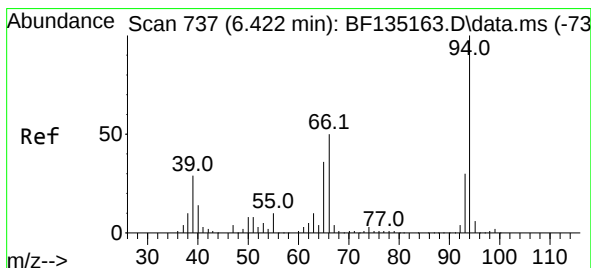
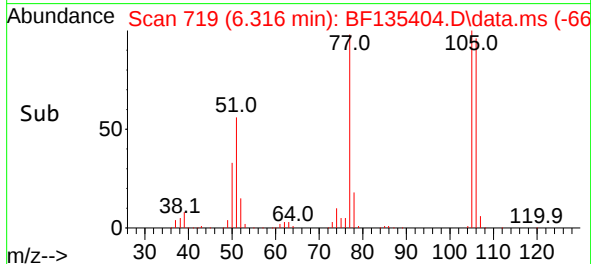
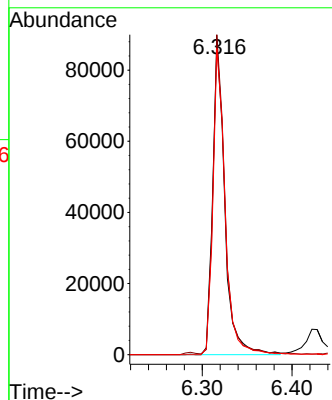
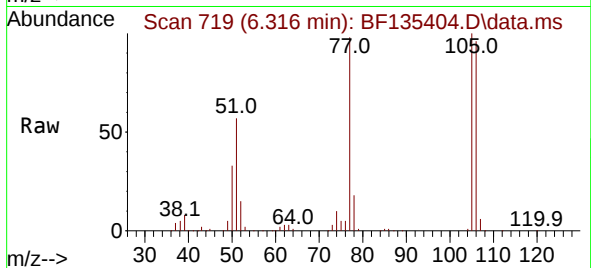
#9
Benzaldehyde
Concen: 11.713 ng
RT: 6.316 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMS

Tgt Ion: 77 Resp: 82798
Ion Ratio Lower Upper
77 100
105 102.0 81.4 121.4
106 97.6 76.9 116.9

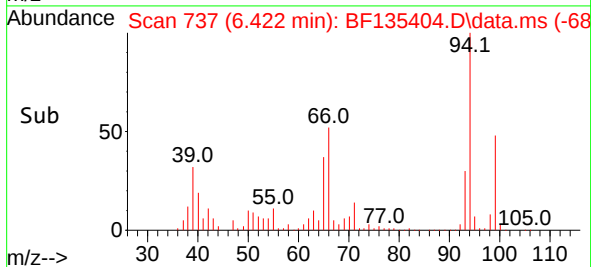
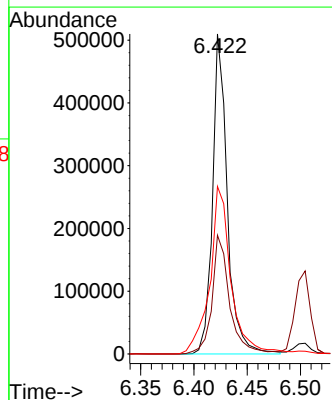
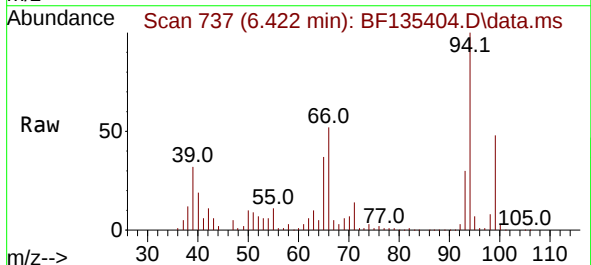
Manual Integrations
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Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023



#10
Phenol
Concen: 36.136 ng
RT: 6.422 min Scan# 737
Delta R.T. 0.000 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

Tgt Ion: 94 Resp: 491695
Ion Ratio Lower Upper
94 100
65 37.1 15.9 55.9
66 52.4 29.8 69.8





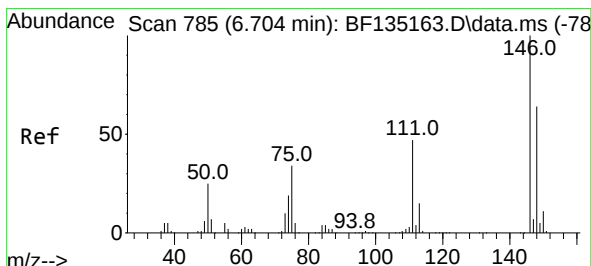
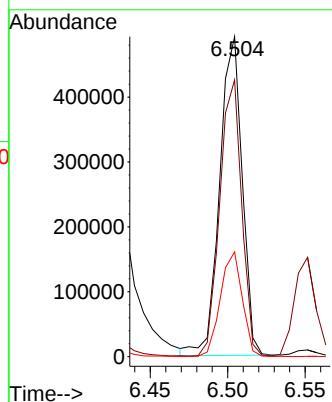
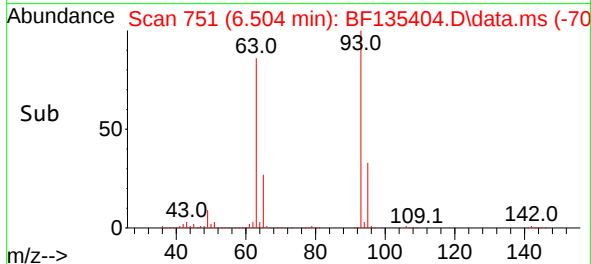
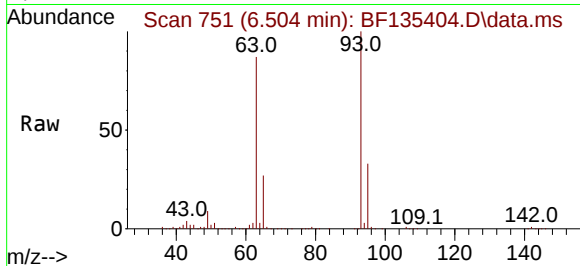
#11
bis(2-Chloroethyl)ether
Concen: 48.759 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMS

Tgt Ion: 93 Resp: 497659
Ion Ratio Lower Upper
93 100
63 86.5 67.3 107.3
95 32.7 12.7 52.7

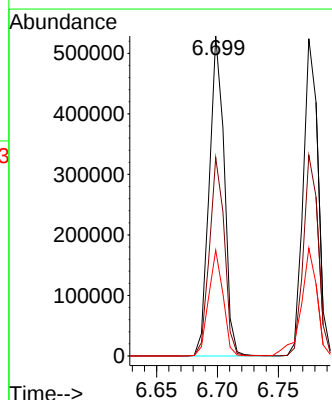
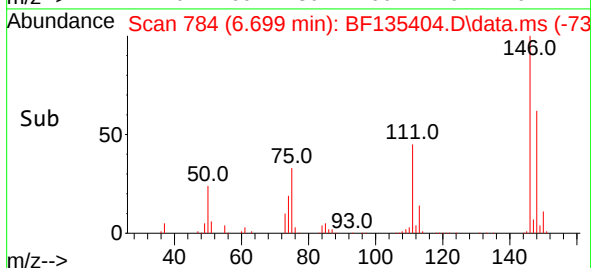
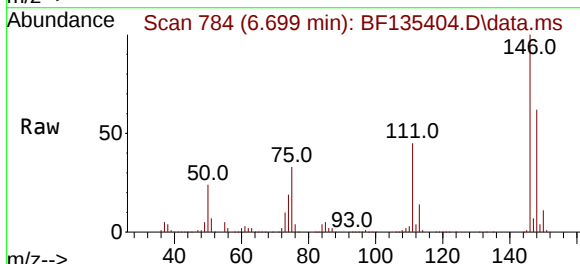
Manual Integrations
APPROVED

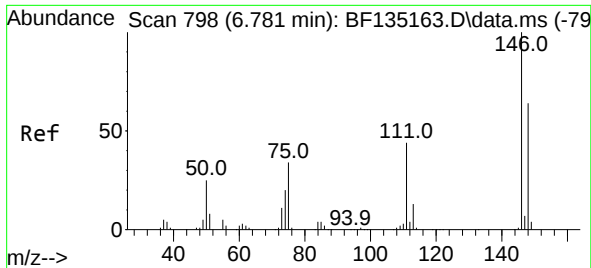
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023



#12
1,3-Dichlorobenzene
Concen: 42.579 ng
RT: 6.699 min Scan# 784
Delta R.T. -0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

Tgt Ion:146 Resp: 450792
Ion Ratio Lower Upper
146 100
148 62.0 51.3 76.9
75 33.1 27.4 41.2





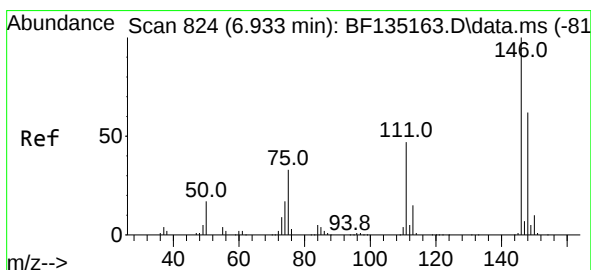
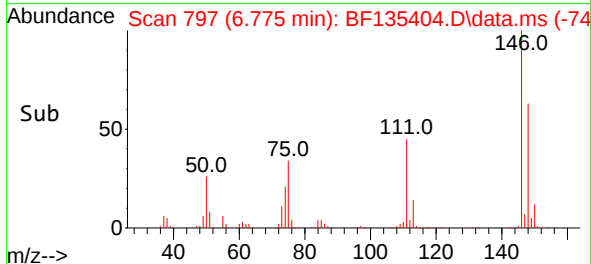
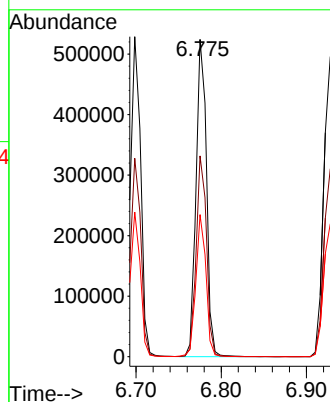
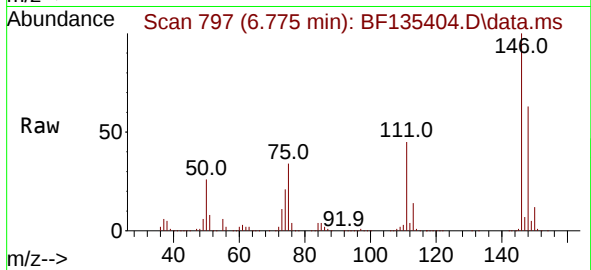
#13
1,4-Dichlorobenzene
Concen: 41.592 ng
RT: 6.775 min Scan# 798
Delta R.T. -0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMS

Tgt Ion:146 Resp: 448000
Ion Ratio Lower Upper
146 100
148 63.3 51.3 76.9
111 44.8 35.1 52.7

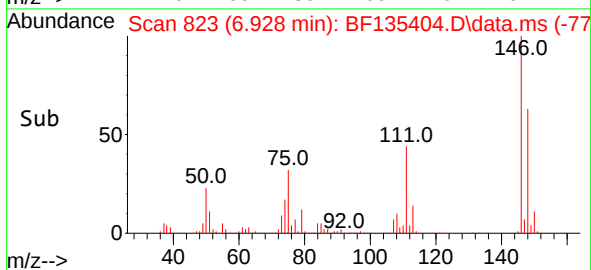
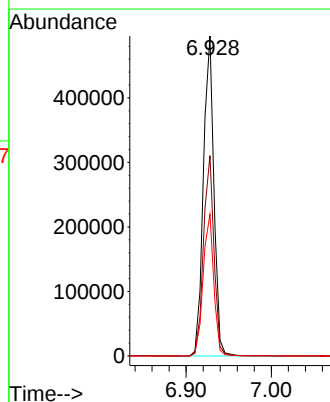
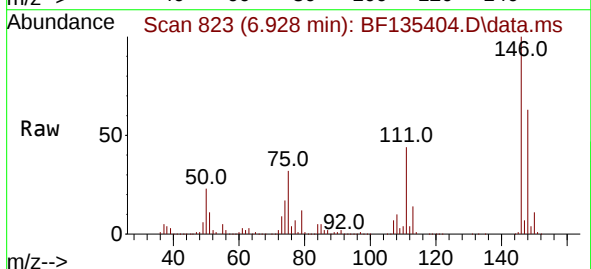
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023



#14
1,2-Dichlorobenzene
Concen: 42.578 ng
RT: 6.928 min Scan# 823
Delta R.T. -0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

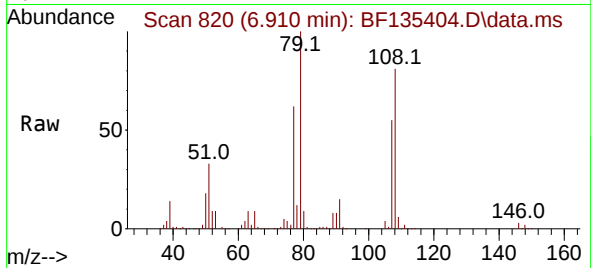
Tgt Ion:146 Resp: 425909
Ion Ratio Lower Upper
146 100
148 62.6 49.7 74.5
111 44.3 37.4 56.2





#15
Benzyl Alcohol
Concen: 45.247 ng
RT: 6.910 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

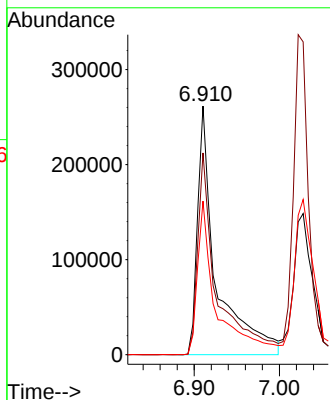
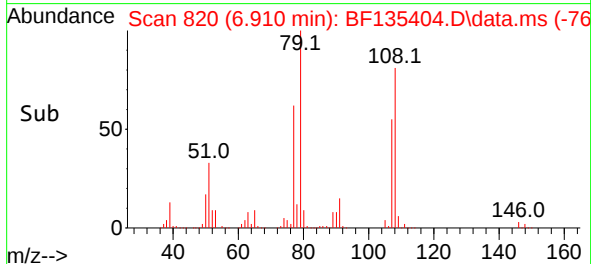
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMS



Tgt Ion: 79 Resp: 402890
Ion Ratio Lower Upper
79 100
108 81.1 61.2 91.8
77 61.8 50.5 75.7

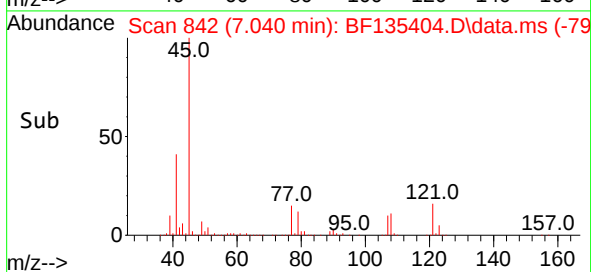
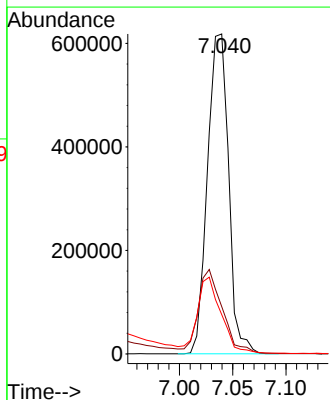
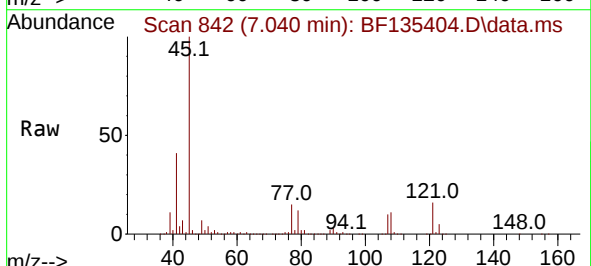
Manual Integrations
APPROVED

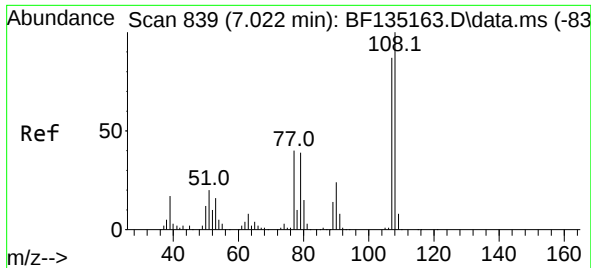
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.379 ng
RT: 7.040 min Scan# 842
Delta R.T. -0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

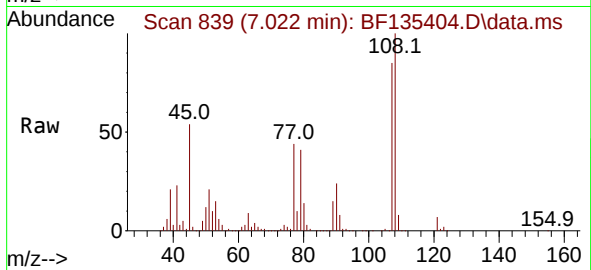
Tgt Ion: 45 Resp: 853775
Ion Ratio Lower Upper
45 100
77 14.8 0.0 30.6
79 12.3 0.0 28.3





#17
2-Methylphenol
Concen: 39.160 ng
RT: 7.022 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

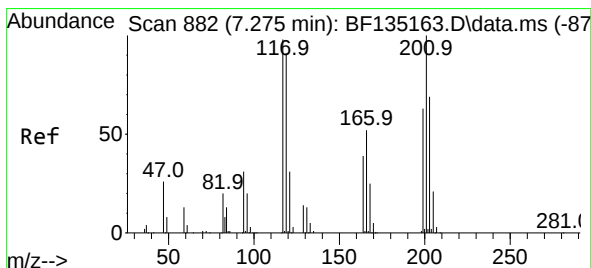
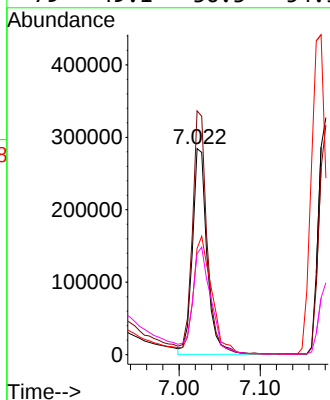
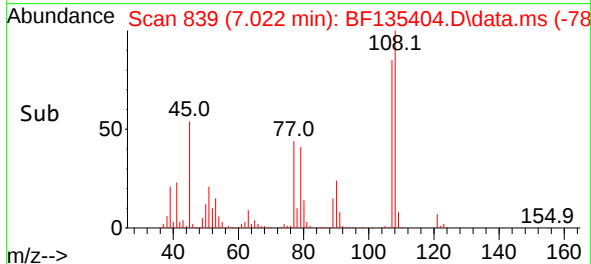
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMS



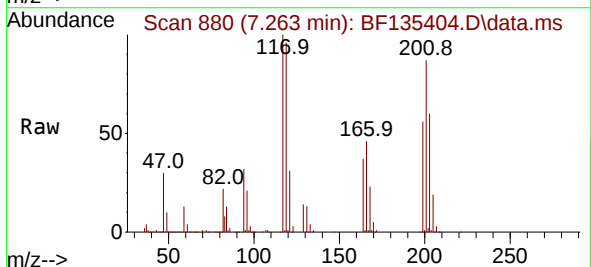
Tgt Ion:107 Resp: 359999
Ion Ratio Lower Upper
107 100
108 118.3 92.0 138.0
77 51.5 36.7 55.1
79 49.1 36.3 54.5

Manual Integrations
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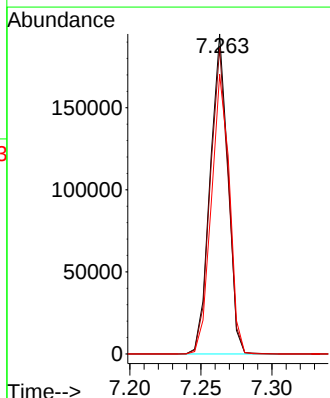
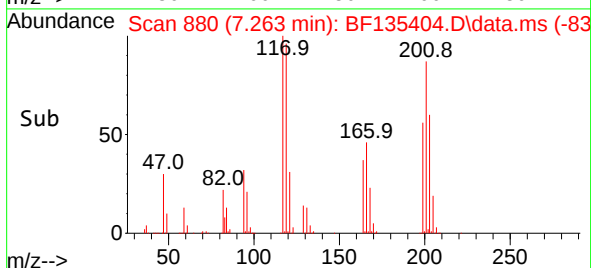
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023



#18
Hexachloroethane
Concen: 42.570 ng
RT: 7.263 min Scan# 880
Delta R.T. -0.011 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34



Tgt Ion:117 Resp: 169424
Ion Ratio Lower Upper
117 100
119 95.7 74.7 112.1
201 87.4 81.8 122.8





#19

n-Nitroso-di-n-propylamine

Concen: 40.533 ng

RT: 7.175 min Scan# 80

Delta R.T. -0.011 min

Lab File: BF135404.D

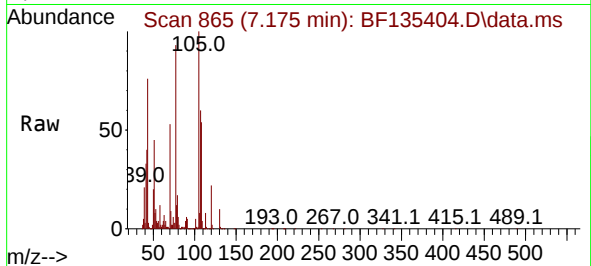
Acq: 22 Sep 2023 17:34

Instrument :

BNA_F

ClientSampleId :

H-2313-SOILMS



Tgt Ion: 70 Resp: 31153

Ion Ratio Lower Upper

70 100

42 75.1 55.4 83.0

101 8.7 7.7 11.5

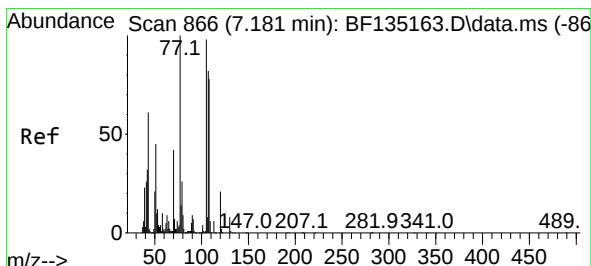
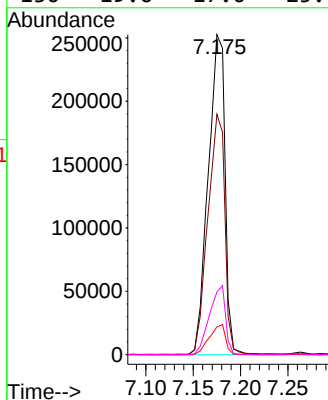
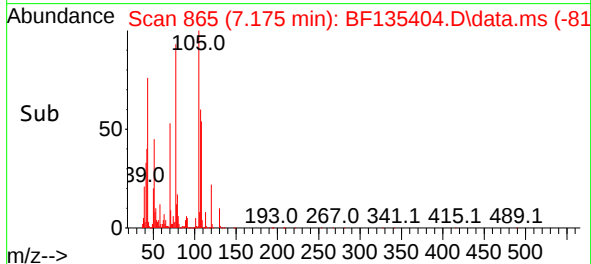
130 19.6 17.0 25.6

Manual Integrations

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Reviewed By :Yogesh Patel 09/25/2023

Supervised By :mohammad ahmed 09/27/2023



#20

3+4-Methylphenols

Concen: 37.478 ng

RT: 7.181 min Scan# 866

Delta R.T. 0.000 min

Lab File: BF135404.D

Acq: 22 Sep 2023 17:34

Tgt Ion:107 Resp: 414287

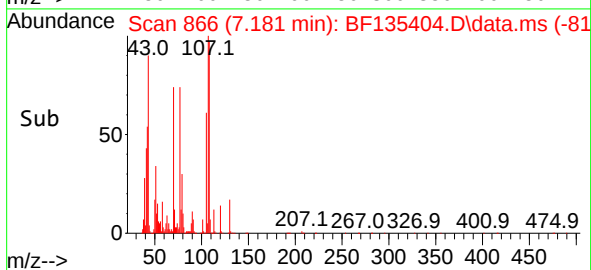
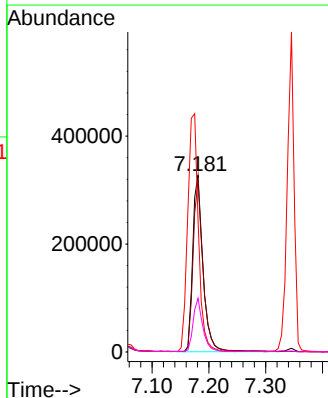
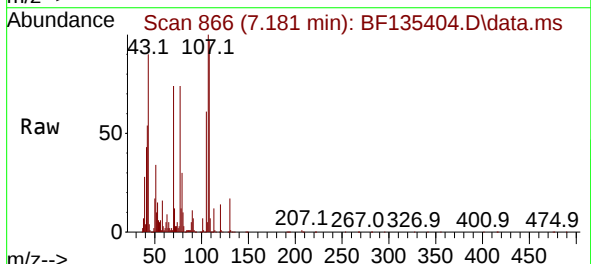
Ion Ratio Lower Upper

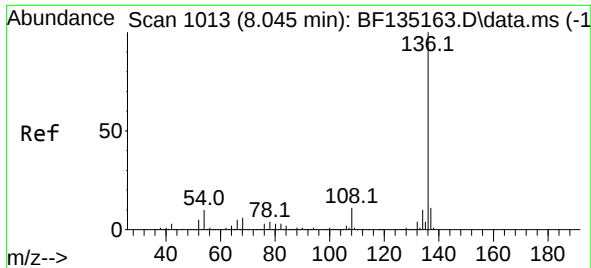
107 100

108 96.9 74.7 114.7

77 74.4 102.0 142.0#

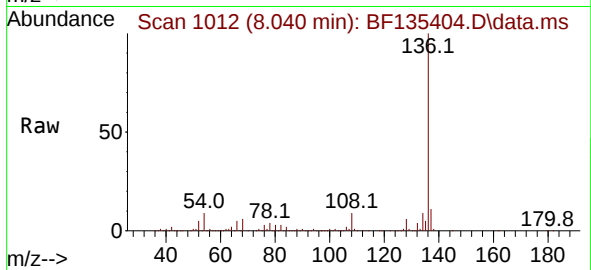
79 30.3 11.7 51.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.040 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

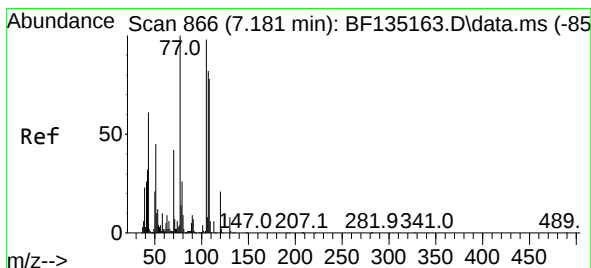
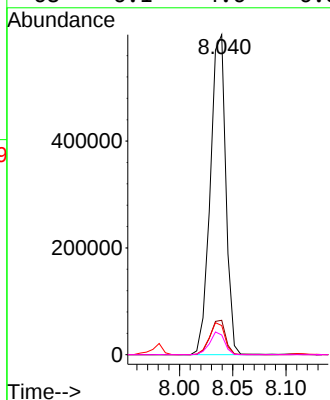
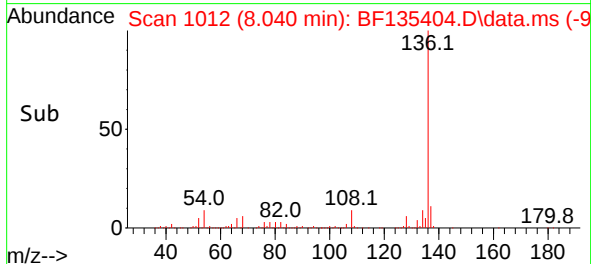
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMS



Tgt Ion:136 Resp: 609048
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 9.1 7.7 11.5
68 6.1 4.6 6.8

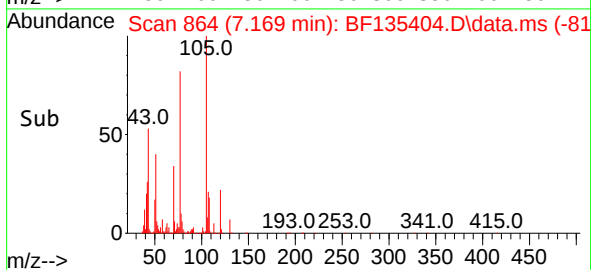
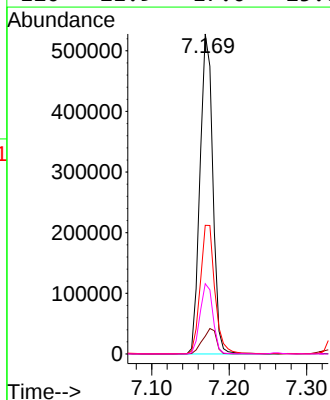
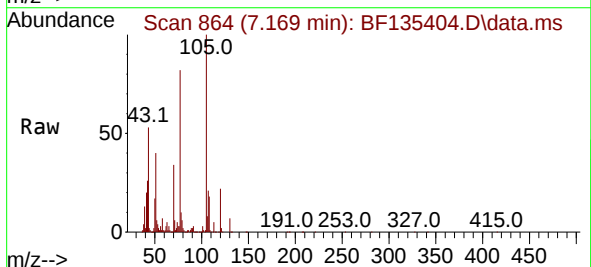
Manual Integrations
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Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023



#22
Acetophenone
Concen: 43.584 ng
RT: 7.169 min Scan# 864
Delta R.T. -0.011 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

Tgt Ion:105 Resp: 606888
Ion Ratio Lower Upper
105 100
71 5.6 5.8 8.6#
51 40.2 37.0 55.4
120 21.9 17.0 25.6





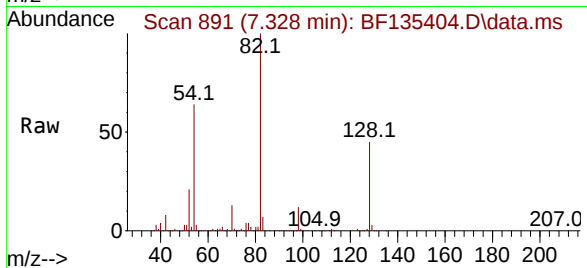
#23
Nitrobenzene-d5
Concen: 84.133 ng
RT: 7.328 min Scan# 891
Delta R.T. -0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

Instrument :

BNA_F

ClientSampleId :

H-2313-SOILMS

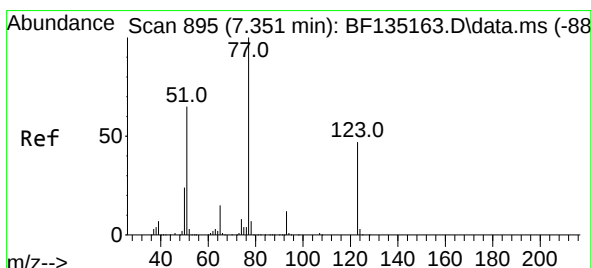
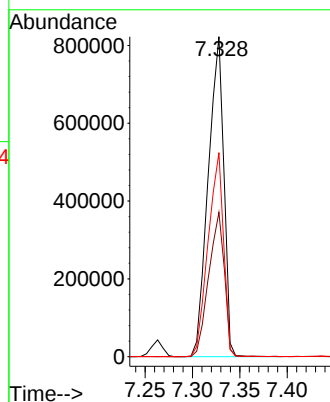
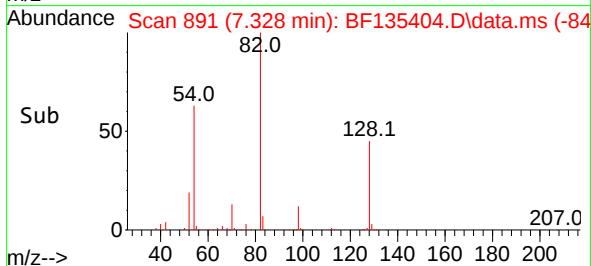


Tgt Ion: 82 Resp: 943150
Ion Ratio Lower Upper
82 100
128 45.1 35.8 53.6
54 63.8 50.6 76.0

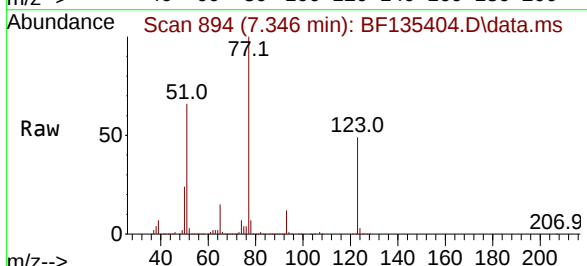
Manual Integrations

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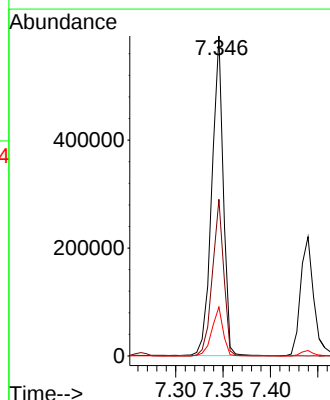
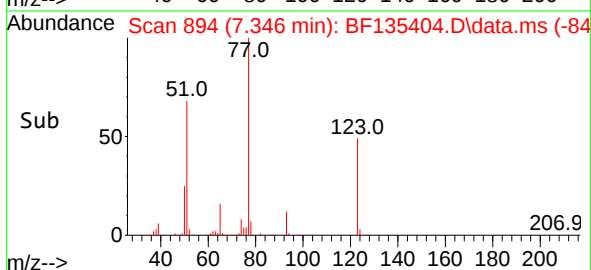
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023



#24
Nitrobenzene
Concen: 44.799 ng
RT: 7.346 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34



Tgt Ion: 77 Resp: 496381
Ion Ratio Lower Upper
77 100
123 48.9 37.6 56.4
65 15.3 12.2 18.4





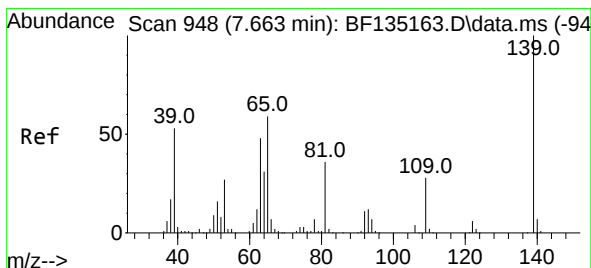
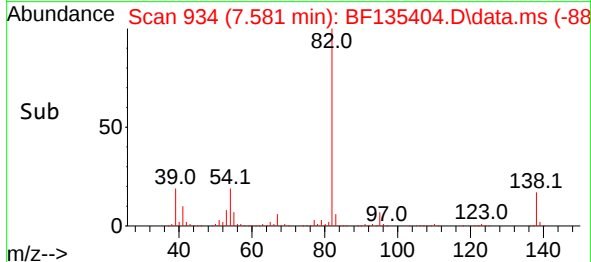
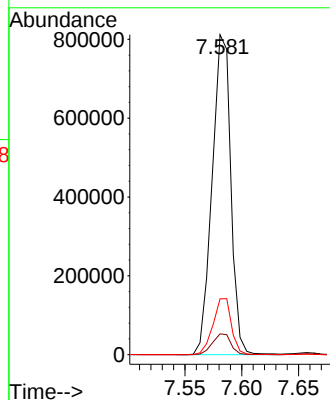
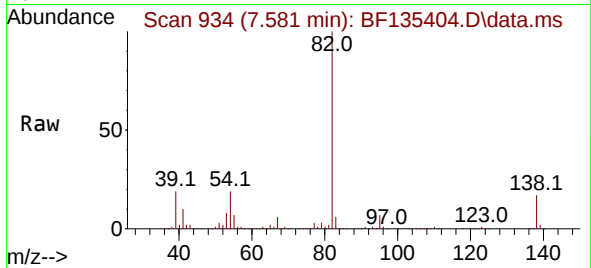
#25
Isophorone
Concen: 45.089 ng
RT: 7.581 min Scan# 91
Delta R.T. -0.011 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMS

Tgt Ion: 82 Resp: 92816
Ion Ratio Lower Upper
82 100
95 6.5 6.0 9.0
138 17.5 14.5 21.7

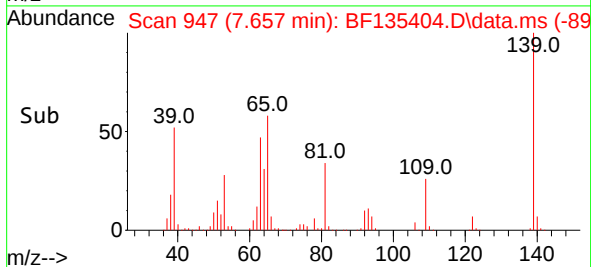
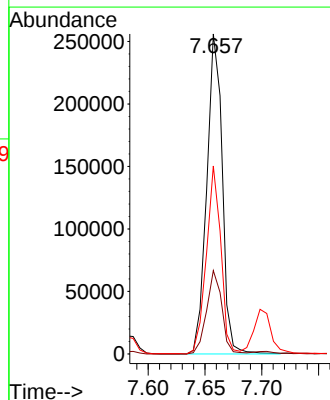
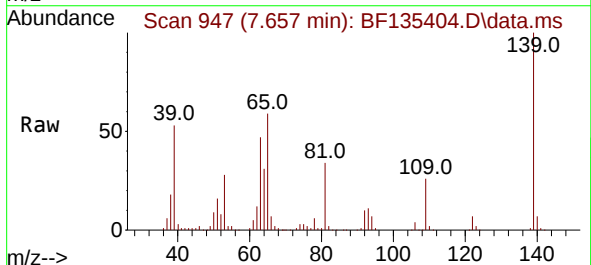
Manual Integrations
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Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023



#26
2-Nitrophenol
Concen: 45.608 ng
RT: 7.657 min Scan# 947
Delta R.T. -0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

Tgt Ion:139 Resp: 242538
Ion Ratio Lower Upper
139 100
109 26.0 22.6 33.8
65 58.8 47.0 70.4





#27

2,4-Dimethylphenol

Concen: 41.396 ng

RT: 7.698 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF135404.D

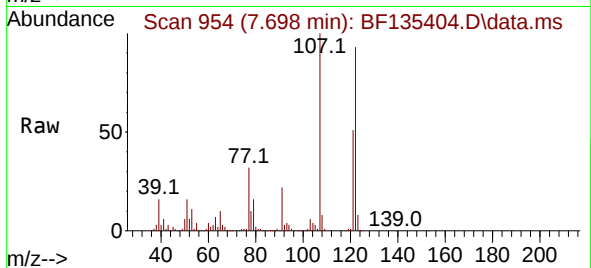
Acq: 22 Sep 2023 17:34

Instrument :

BNA_F

ClientSampleId :

H-2313-SOILMS



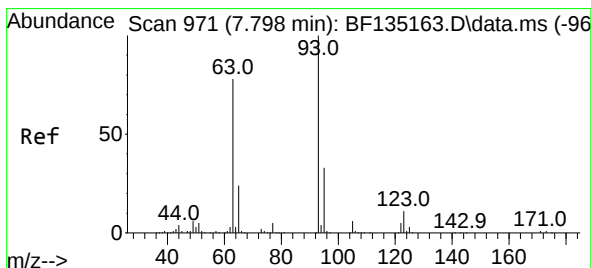
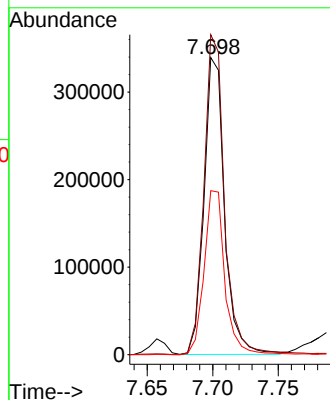
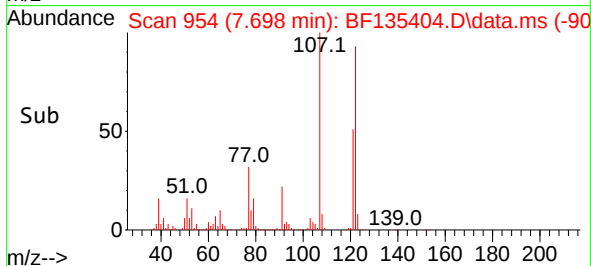
Tgt Ion:	122	Resp:	370025
Ion	Ratio	Lower	Upper
122	100		
107	107.7	90.2	135.4
121	55.2	46.3	69.5

Manual Integrations

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Reviewed By :Yogesh Patel 09/25/2023

Supervised By :mohammad ahmed 09/27/2023



#28

bis(2-Chloroethoxy)methane

Concen: 47.621 ng

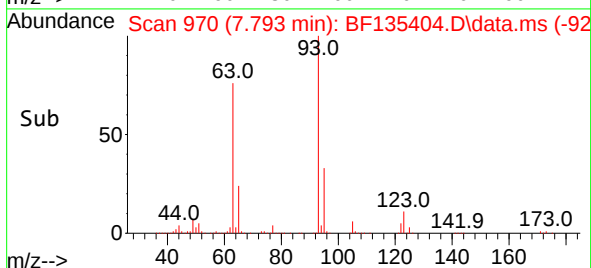
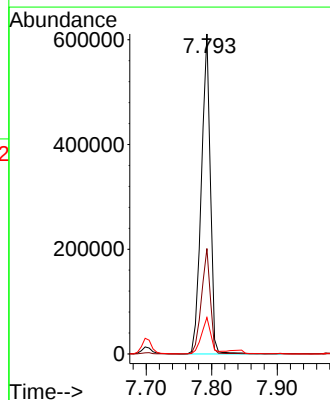
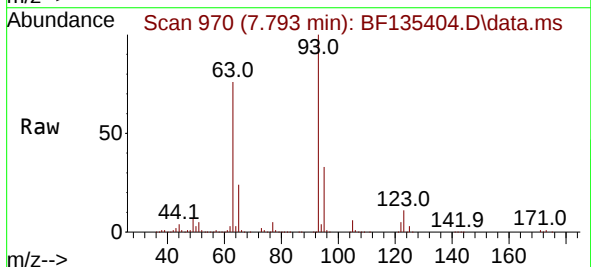
RT: 7.793 min Scan# 970

Delta R.T. -0.006 min

Lab File: BF135404.D

Acq: 22 Sep 2023 17:34

Tgt Ion:	93	Resp:	586728
Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.2	39.2
123	11.4	8.8	13.2





#29

2,4-Dichlorophenol

Concen: 43.742 ng

RT: 7.904 min Scan# 989

Delta R.T. 0.000 min

Lab File: BF135404.D

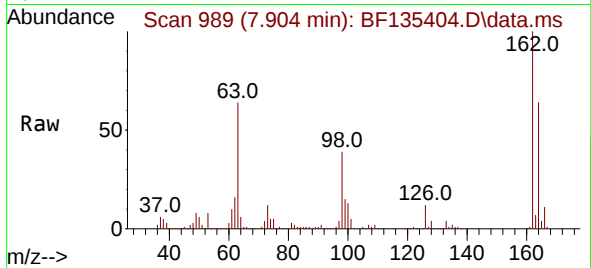
Acq: 22 Sep 2023 17:34

Instrument :

BNA_F

ClientSampleId :

H-2313-SOILMS



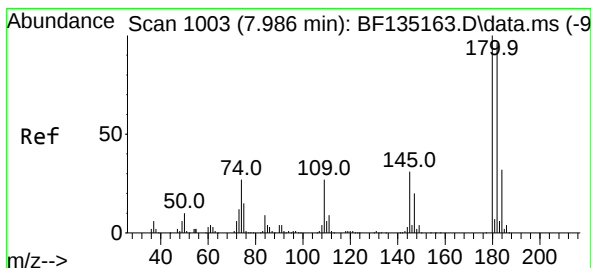
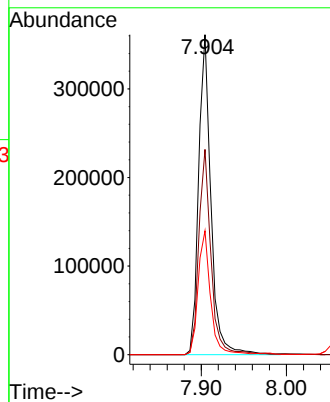
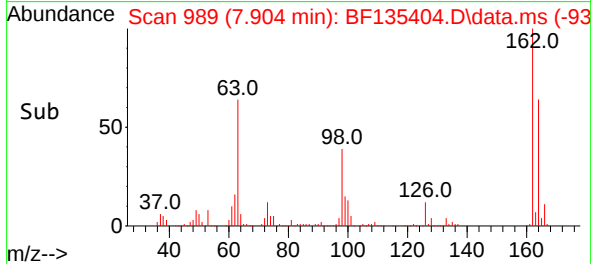
Tgt Ion:	162	Resp:	362308
Ion Ratio	Lower	Upper	
162	100		
164	64.2	44.1	84.1
98	38.7	20.3	60.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/25/2023

Supervised By :mohammad ahmed 09/27/2023



#30

1,2,4-Trichlorobenzene

Concen: 44.172 ng

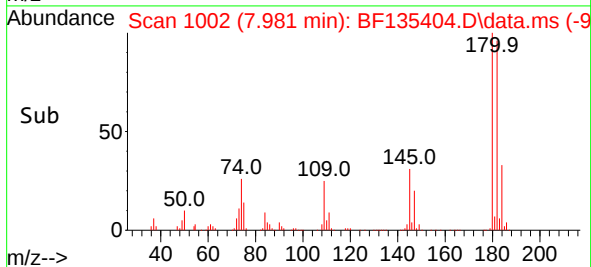
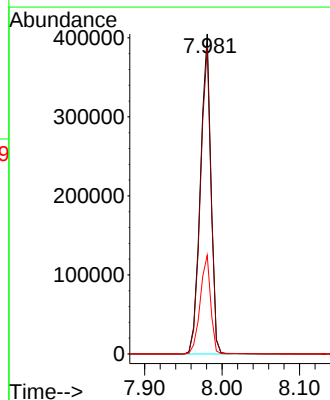
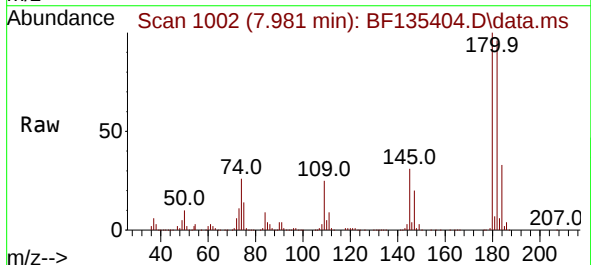
RT: 7.981 min Scan# 1002

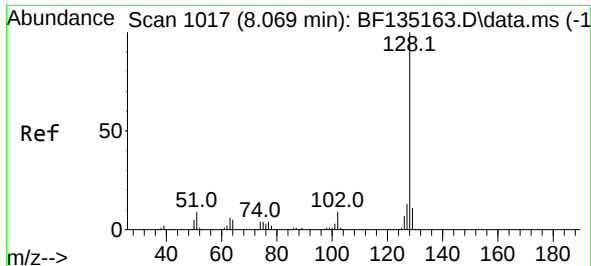
Delta R.T. -0.006 min

Lab File: BF135404.D

Acq: 22 Sep 2023 17:34

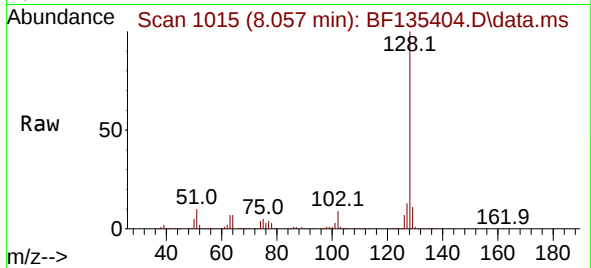
Tgt Ion:	180	Resp:	382415
Ion Ratio	Lower	Upper	
180	100		
182	95.8	76.9	115.3
145	30.9	24.5	36.7





#31
Naphthalene
Concen: 43.867 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.011 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

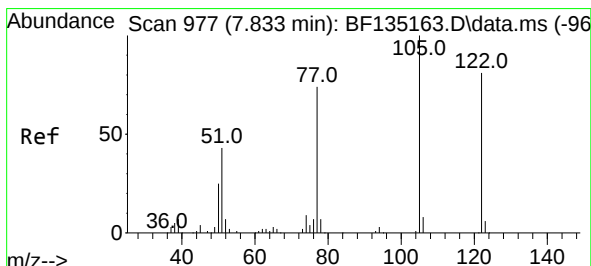
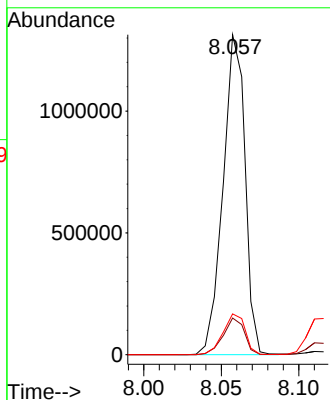
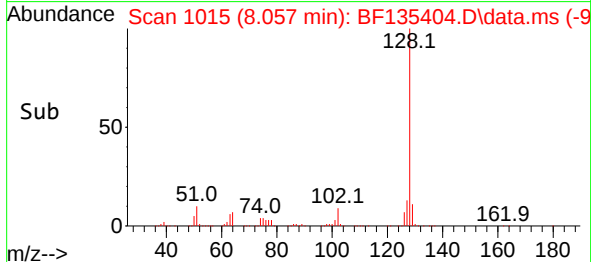
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMS



Tgt Ion:128 Resp: 1298090
Ion Ratio Lower Upper
128 100
129 11.5 8.7 13.1
127 12.8 10.7 16.1

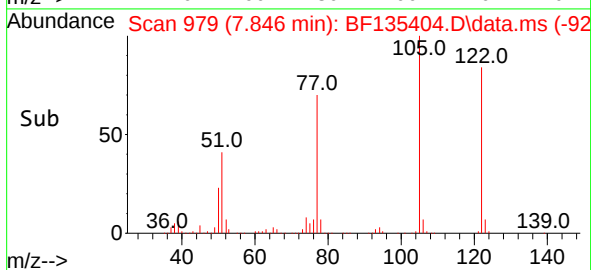
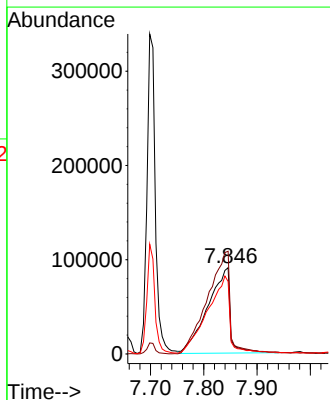
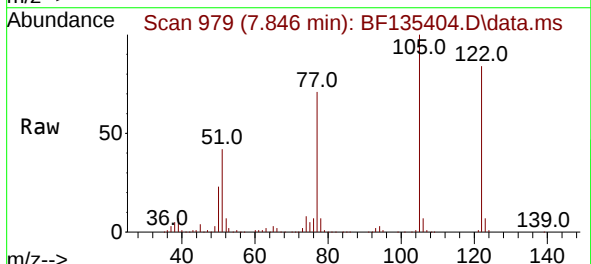
Manual Integrations
APPROVED

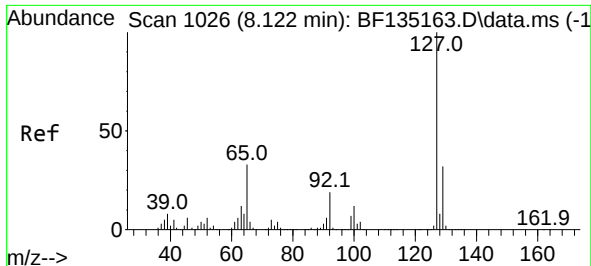
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023



#32
Benzoic acid
Concen: 39.381 ng
RT: 7.846 min Scan# 979
Delta R.T. 0.012 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

Tgt Ion:122 Resp: 265069
Ion Ratio Lower Upper
122 100
105 119.1 99.9 139.9
77 84.0 70.0 110.0





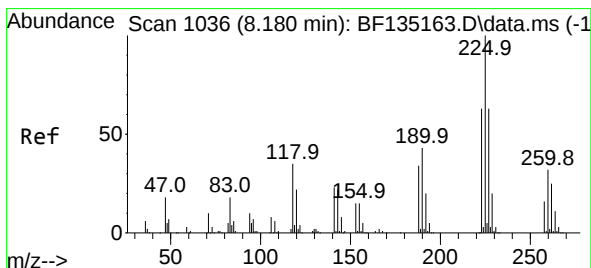
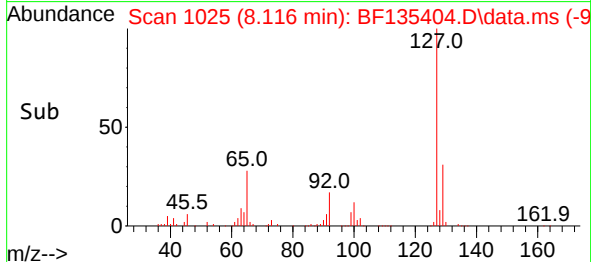
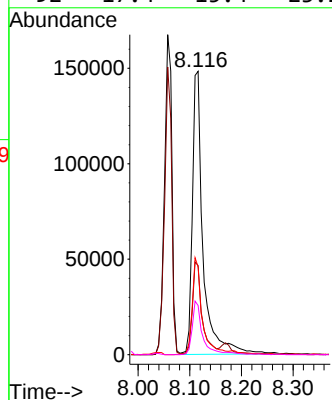
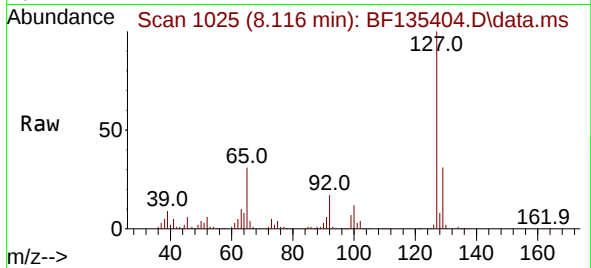
#33
4-Chloroaniline
Concen: 16.480 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMS

Tgt Ion:	127	Resp:	21396
Ion Ratio	Lower	Upper	
127	100		
129	31.4	25.8	38.8
65	30.9	26.6	39.8
92	17.4	15.4	23.2

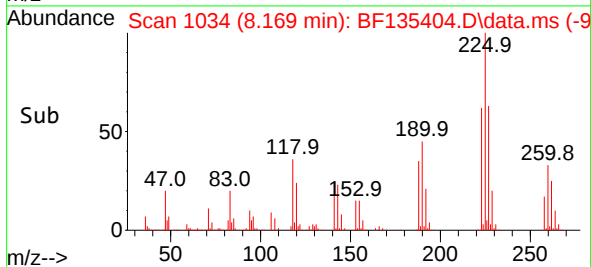
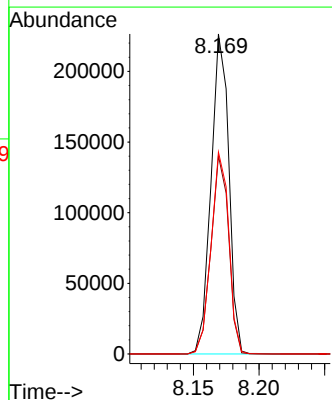
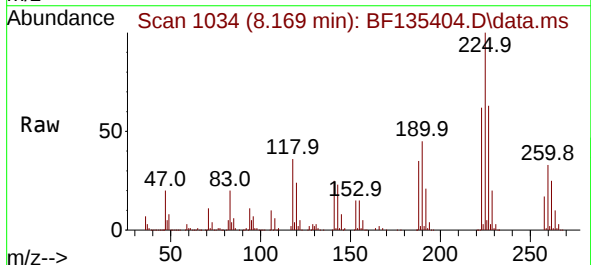
Manual Integrations
APPROVED

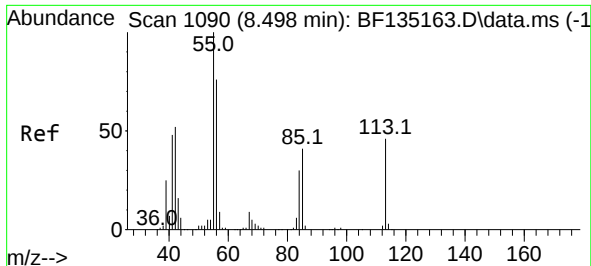
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023



#34
Hexachlorobutadiene
Concen: 40.883 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.011 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

Tgt Ion:	225	Resp:	213419
Ion Ratio	Lower	Upper	
225	100		
223	61.9	50.6	75.8
227	63.1	50.8	76.2





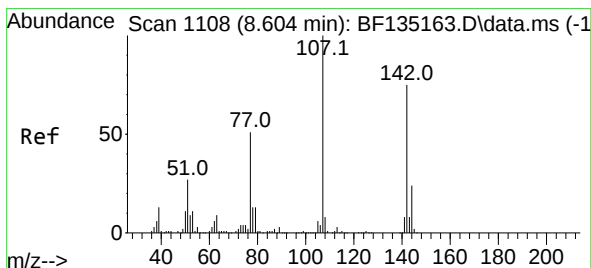
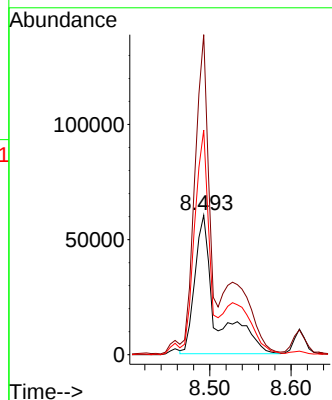
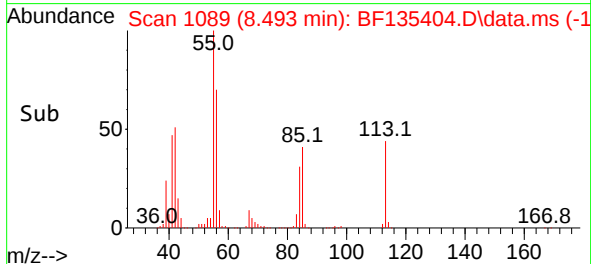
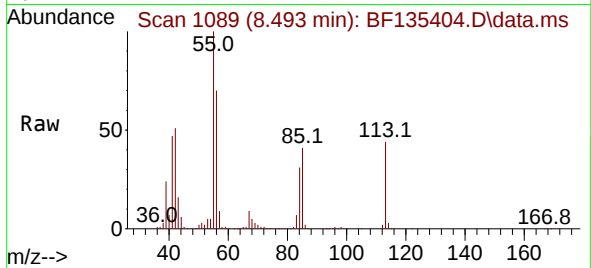
#35
Caprolactam
Concen: 39.538 ng m
RT: 8.493 min Scan# 1090
Delta R.T. -0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMS

Tgt Ion:113 Resp: 109909
Ion Ratio Lower Upper
113 100
55 229.5 199.3 239.3
56 161.1 146.3 186.3

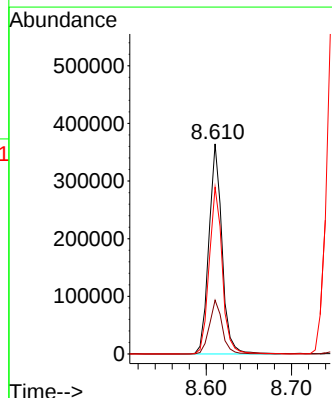
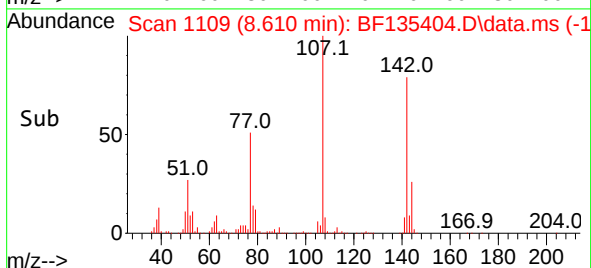
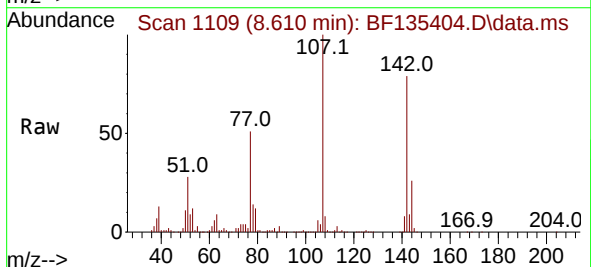
Manual Integrations
APPROVED

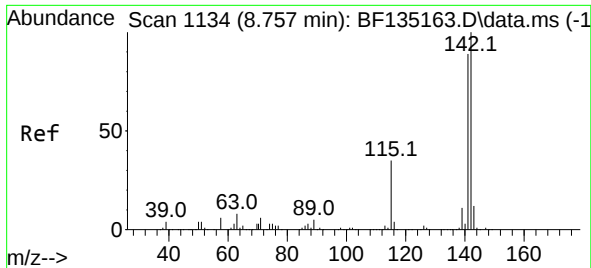
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023



#36
4-Chloro-3-methylphenol
Concen: 42.202 ng
RT: 8.610 min Scan# 1109
Delta R.T. 0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

Tgt Ion:107 Resp: 388502
Ion Ratio Lower Upper
107 100
144 25.6 19.0 28.4
142 79.4 60.2 90.2





#37
2-Methylnaphthalene
Concen: 40.851 ng
RT: 8.751 min Scan# 1134
Delta R.T. -0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

Instrument :

BNA_F

ClientSampleId :

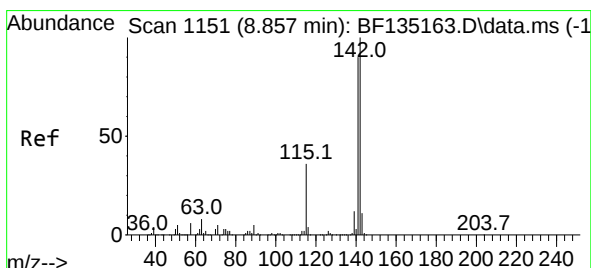
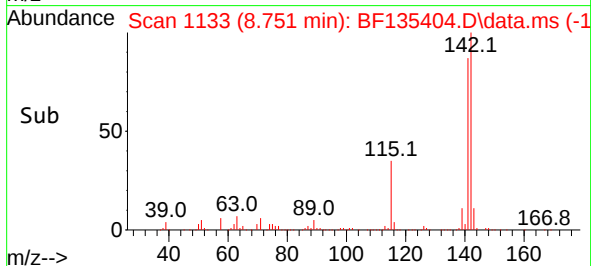
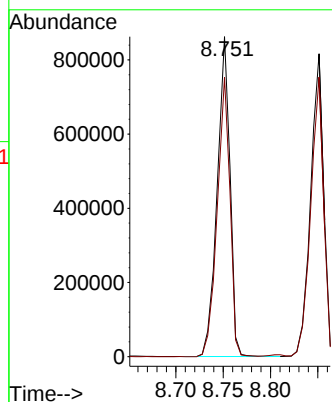
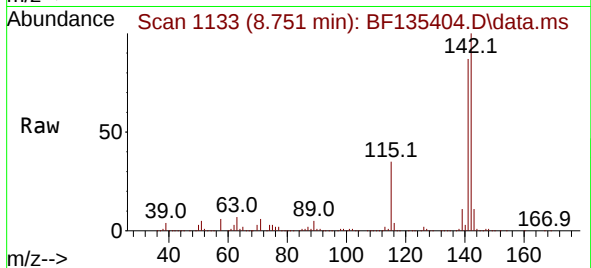
H-2313-SOILMS

Tgt Ion:142 Resp: 812580
Ion Ratio Lower Upper
142 100
141 87.3 71.0 106.6

Manual Integrations

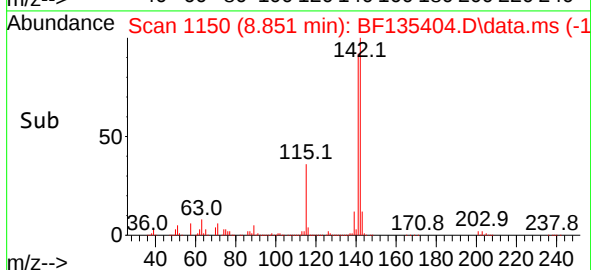
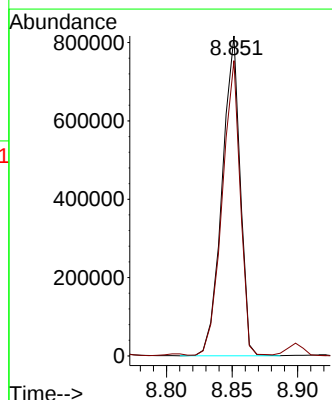
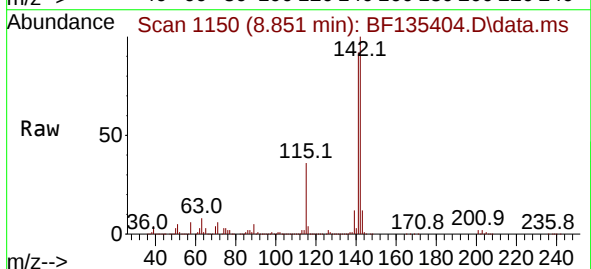
APPROVED

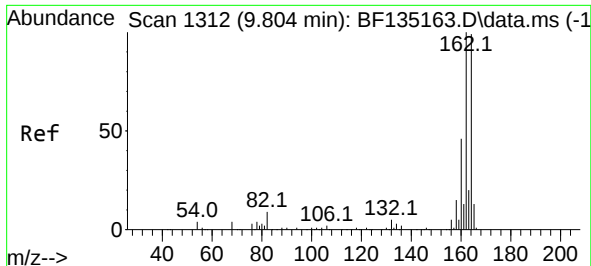
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023



#38
1-Methylnaphthalene
Concen: 41.925 ng
RT: 8.851 min Scan# 1150
Delta R.T. -0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

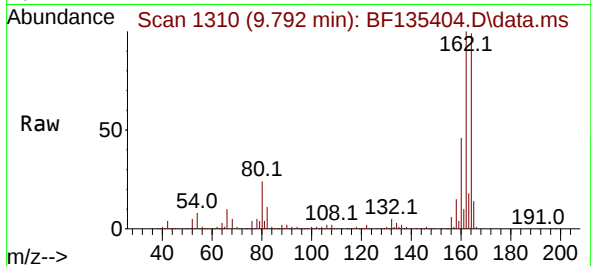
Tgt Ion:142 Resp: 780783
Ion Ratio Lower Upper
142 100
141 92.3 72.4 108.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1161
Delta R.T. -0.011 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

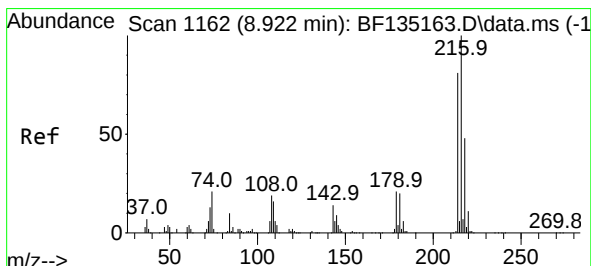
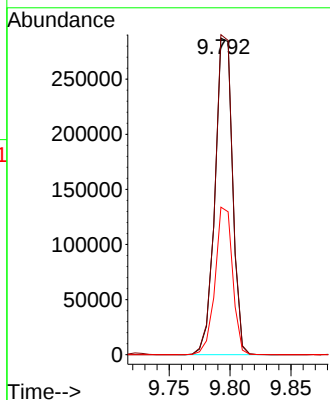
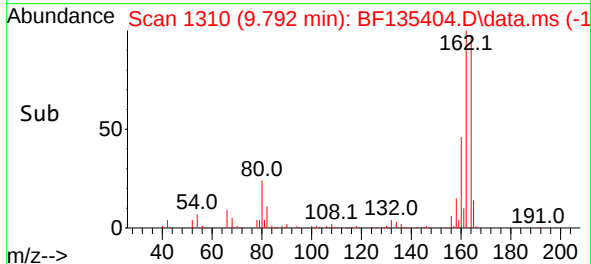
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMS



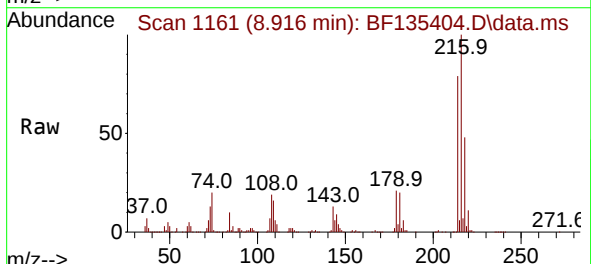
Tgt Ion:164 Resp: 288649
Ion Ratio Lower Upper
164 100
162 101.0 81.0 121.4
160 46.6 37.0 55.4

Manual Integrations
APPROVED

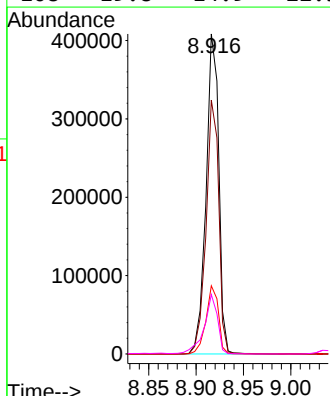
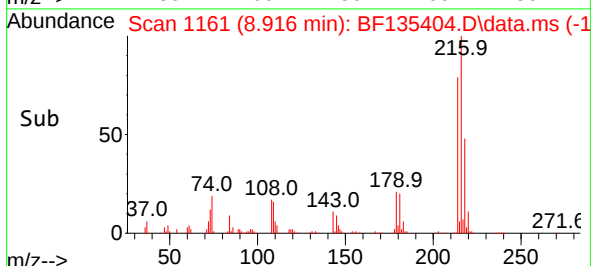
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023



#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.335 ng
RT: 8.916 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34



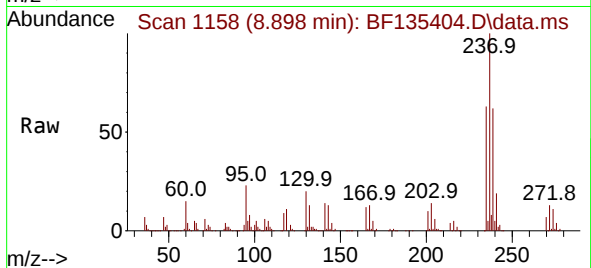
Tgt Ion:216 Resp: 379109
Ion Ratio Lower Upper
216 100
214 79.2 63.7 95.5
179 20.9 16.7 25.1
108 19.8 14.9 22.3





#41
Hexachlorocyclopentadiene
Concen: 61.568 ng
RT: 8.898 min Scan# 1158
Delta R.T. -0.012 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

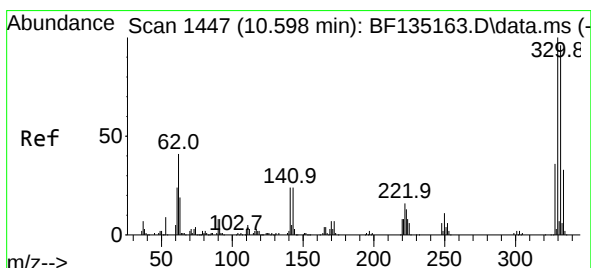
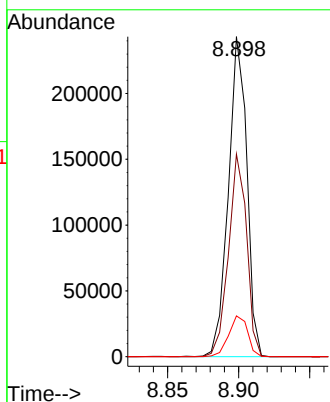
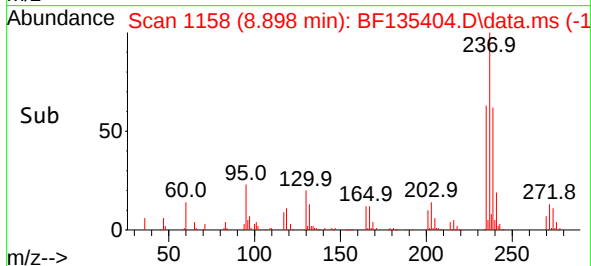
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMS



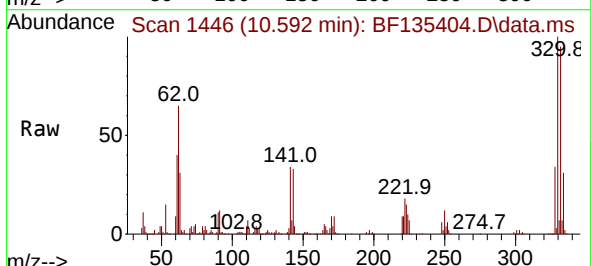
Tgt Ion:237 Resp: 219950
Ion Ratio Lower Upper
237 100
235 63.3 41.8 81.8
272 12.7 0.0 33.6

Manual Integrations
APPROVED

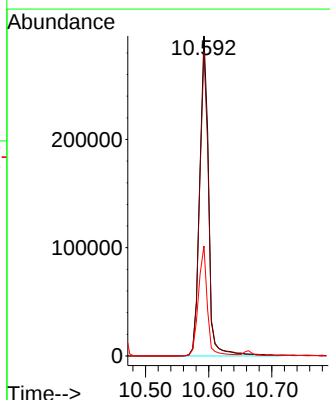
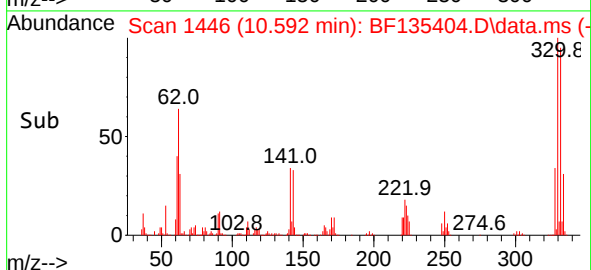
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023

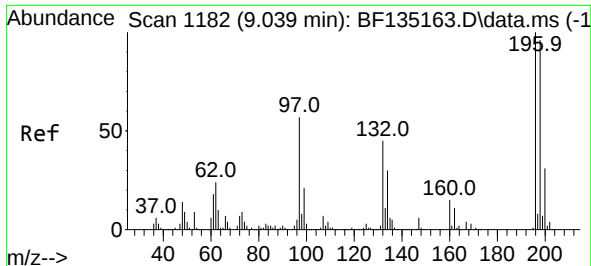


#42
2,4,6-Tribromophenol
Concen: 101.012 ng
RT: 10.592 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34



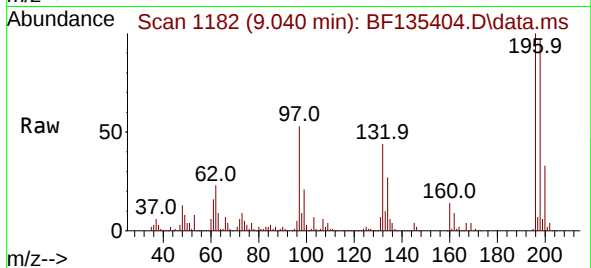
Tgt Ion:330 Resp: 289749
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 34.3 25.8 38.8





#43
2,4,6-Trichlorophenol
Concen: 44.382 ng
RT: 9.040 min Scan# 1182
Delta R.T. 0.000 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

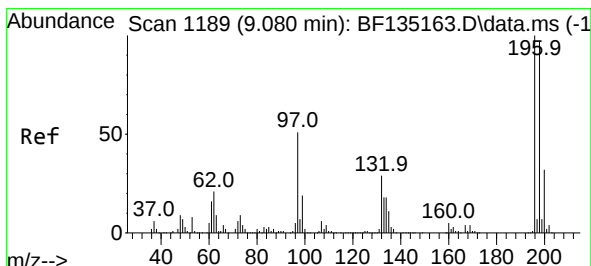
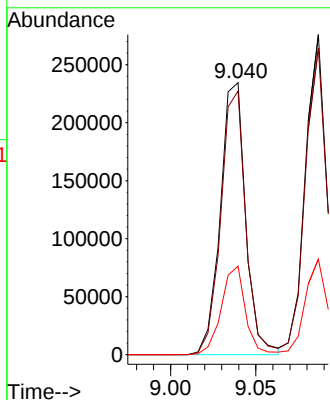
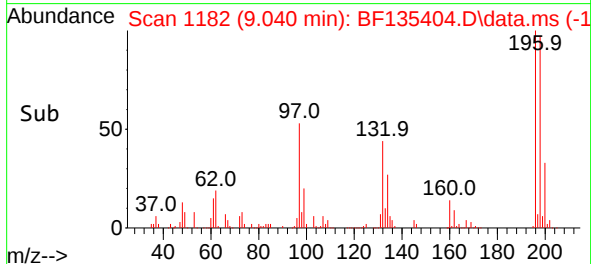
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMS



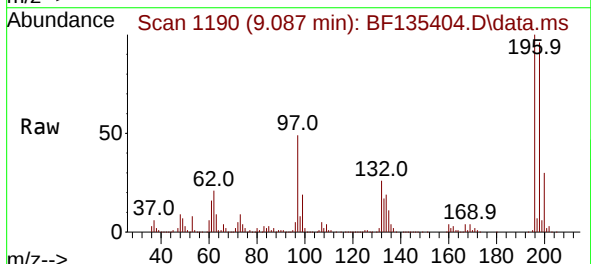
Tgt Ion:196 Resp: 243002
Ion Ratio Lower Upper
196 100
198 96.9 77.0 115.6
200 32.5 24.5 36.7

Manual Integrations
APPROVED

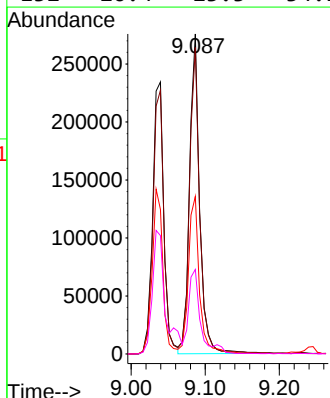
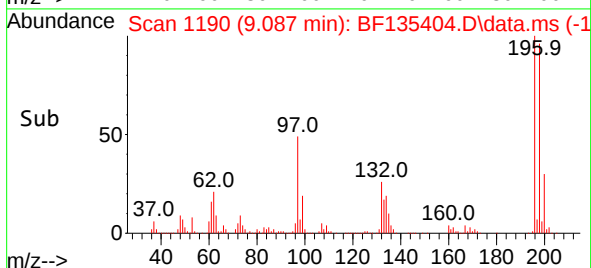
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023

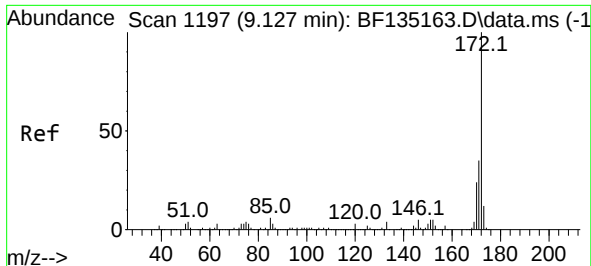


#44
2,4,5-Trichlorophenol
Concen: 41.716 ng
RT: 9.087 min Scan# 1190
Delta R.T. 0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34



Tgt Ion:196 Resp: 263032
Ion Ratio Lower Upper
196 100
198 95.8 77.5 116.3
97 49.2 40.5 60.7
132 26.4 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 80.219 ng

RT: 9.116 min Scan# 1195

Delta R.T. -0.011 min

Lab File: BF135404.D

Acq: 22 Sep 2023 17:34

Instrument :

BNA_F

ClientSampleId :

H-2313-SOILMS

Tgt Ion:172 Resp: 1534740

Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

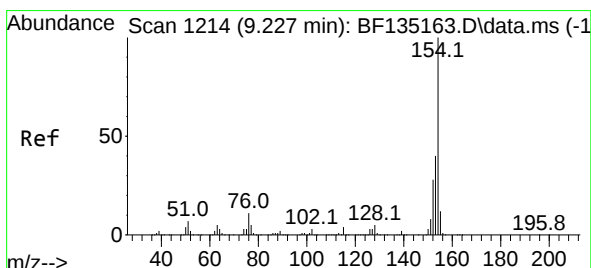
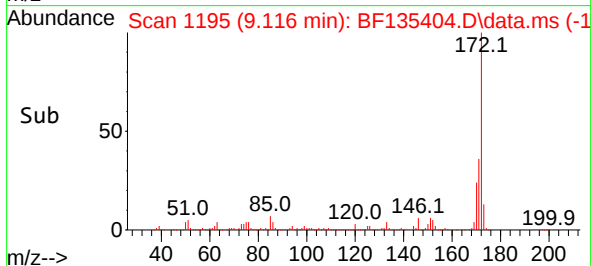
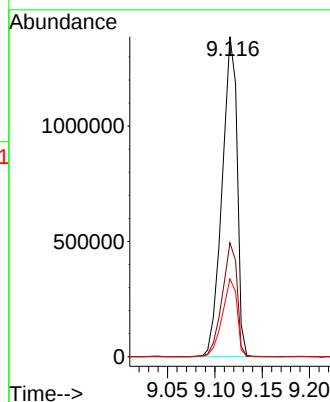
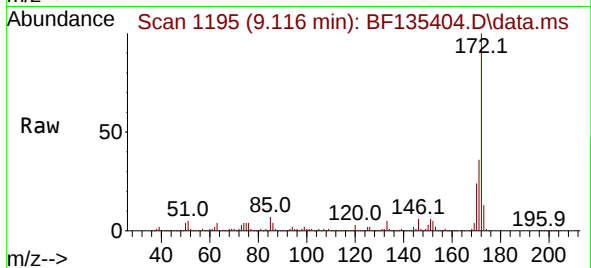
170 24.3 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/25/2023

Supervised By :mohammad ahmed 09/27/2023



#46

1,1'-Biphenyl

Concen: 45.969 ng

RT: 9.216 min Scan# 1212

Delta R.T. -0.011 min

Lab File: BF135404.D

Acq: 22 Sep 2023 17:34

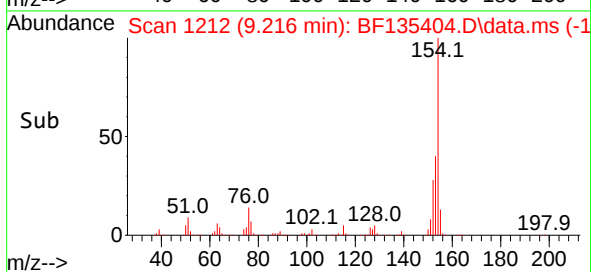
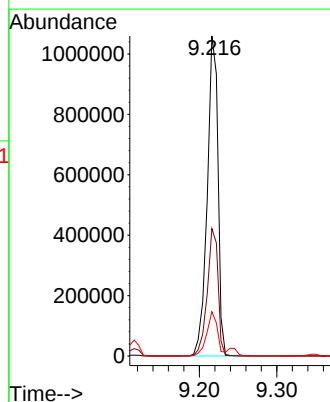
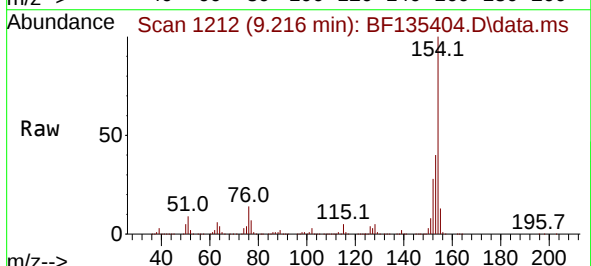
Tgt Ion:154 Resp: 1019686

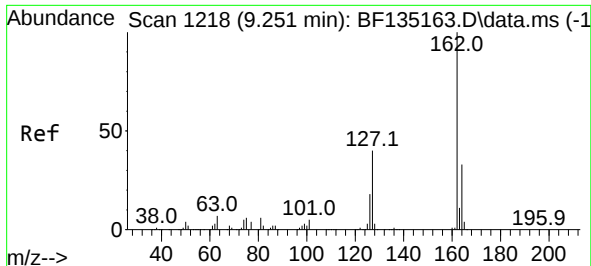
Ion Ratio Lower Upper

154 100

153 39.8 19.6 59.6

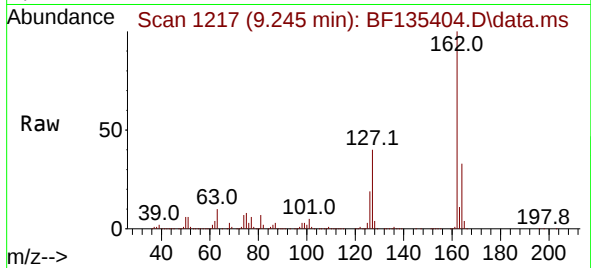
76 13.8 0.0 31.0





#47
2-Chloronaphthalene
Concen: 47.839 ng
RT: 9.245 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

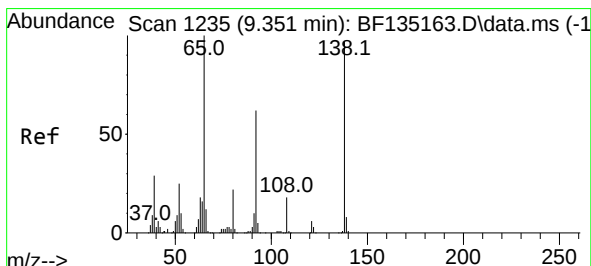
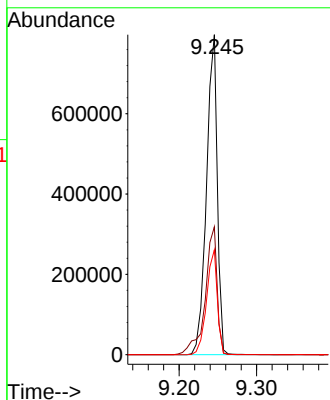
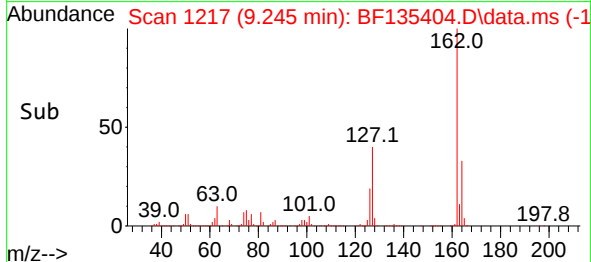
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMS



Tgt Ion:162 Resp: 769940
Ion Ratio Lower Upper
162 100
127 40.0 32.6 48.8
164 32.8 26.2 39.2

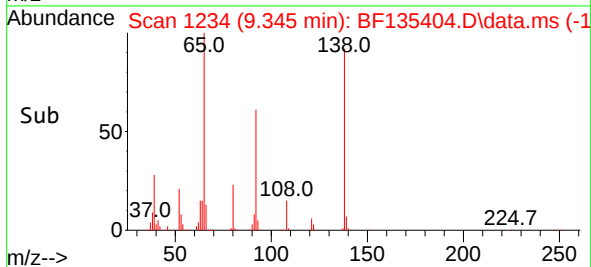
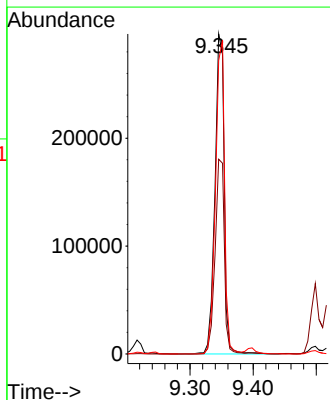
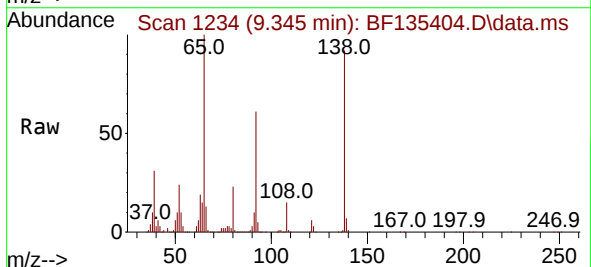
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023



#48
2-Nitroaniline
Concen: 47.931 ng
RT: 9.345 min Scan# 1234
Delta R.T. -0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

Tgt Ion: 65 Resp: 299693
Ion Ratio Lower Upper
65 100
92 60.8 49.4 74.0
138 91.7 77.4 116.0





#49

Acenaphthylene

Concen: 46.488 ng

RT: 9.657 min Scan# 1287

Delta R.T. -0.006 min

Lab File: BF135404.D

Acq: 22 Sep 2023 17:34

Instrument :

BNA_F

ClientSampleId :

H-2313-SOILMS

Tgt Ion:152 Resp: 124346

Ion Ratio Lower Upper

152 100

151 20.1 16.4 24.6

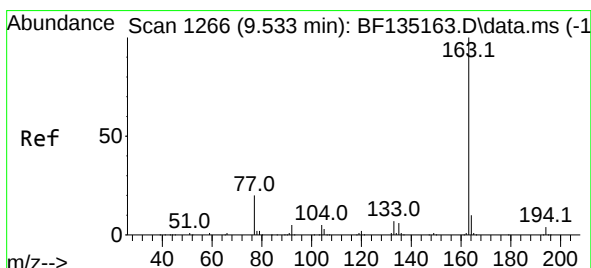
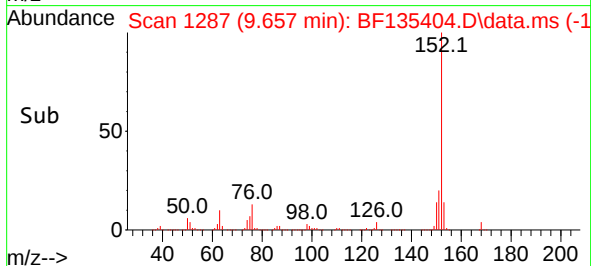
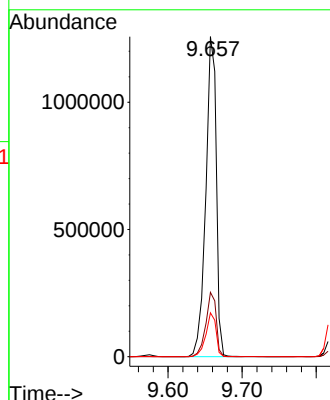
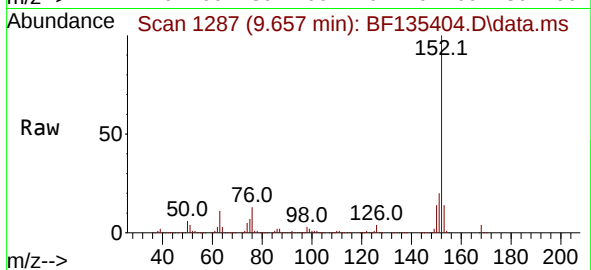
153 13.7 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/25/2023

Supervised By :mohammad ahmed 09/27/2023



#50

Dimethylphthalate

Concen: 46.186 ng

RT: 9.528 min Scan# 1265

Delta R.T. -0.005 min

Lab File: BF135404.D

Acq: 22 Sep 2023 17:34

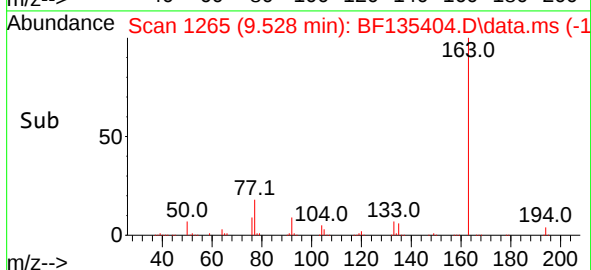
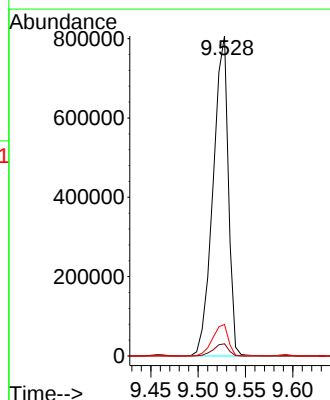
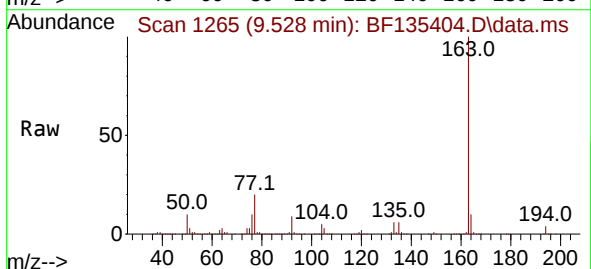
Tgt Ion:163 Resp: 901342

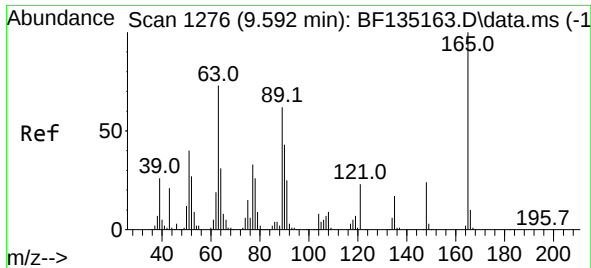
Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

164 9.9 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 46.533 ng

RT: 9.592 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135404.D

Acq: 22 Sep 2023 17:34

Instrument :

BNA_F

ClientSampleId :

H-2313-SOILMS

Tgt Ion:165 Resp: 198938

Ion Ratio Lower Upper

165 100

63 63.4 59.4 89.2

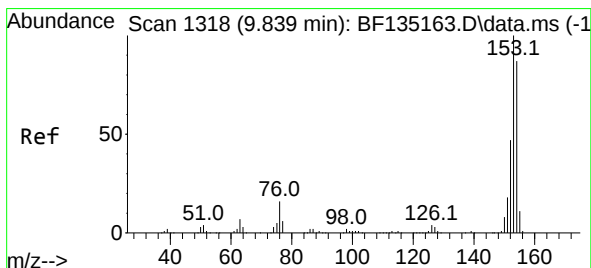
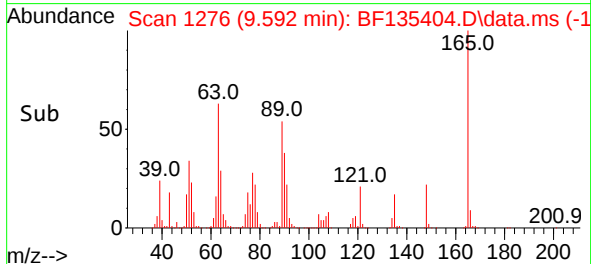
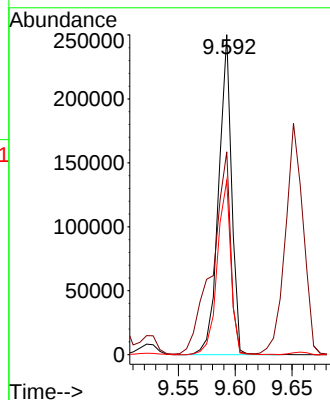
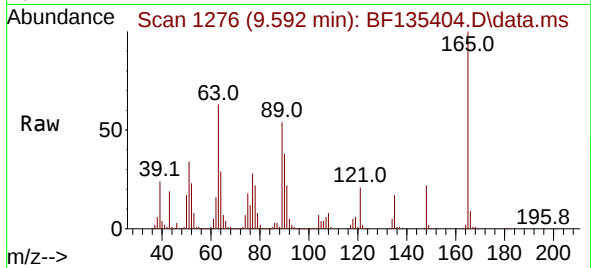
89 54.4 49.8 74.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/25/2023

Supervised By :mohammad ahmed 09/27/2023



#52

Acenaphthene

Concen: 46.066 ng

RT: 9.828 min Scan# 1316

Delta R.T. -0.011 min

Lab File: BF135404.D

Acq: 22 Sep 2023 17:34

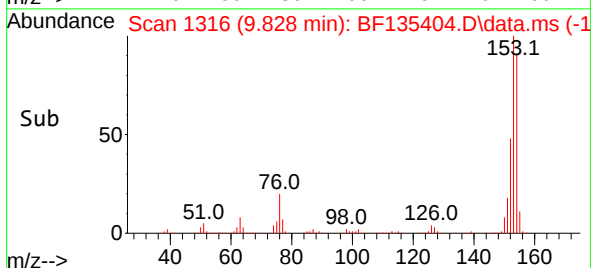
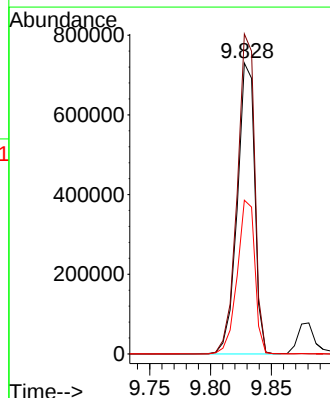
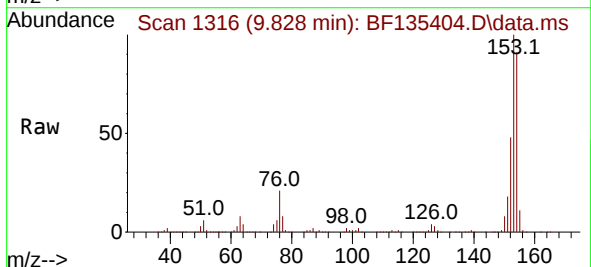
Tgt Ion:154 Resp: 727890

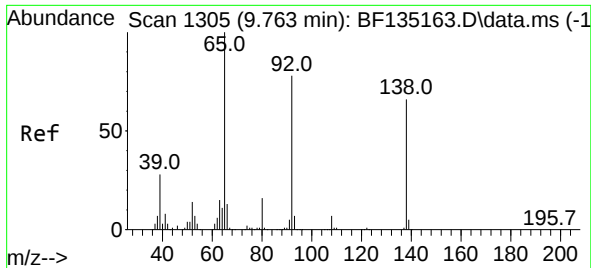
Ion Ratio Lower Upper

154 100

153 110.0 92.1 138.1

152 52.9 43.1 64.7





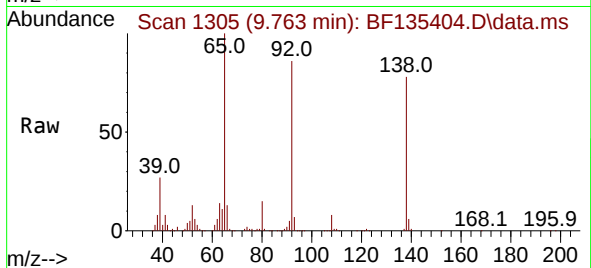
#53
3-Nitroaniline
Concen: 29.581 ng
RT: 9.763 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

Instrument :

BNA_F

ClientSampleId :

H-2313-SOILMS

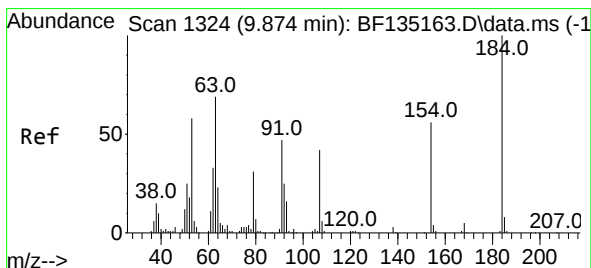
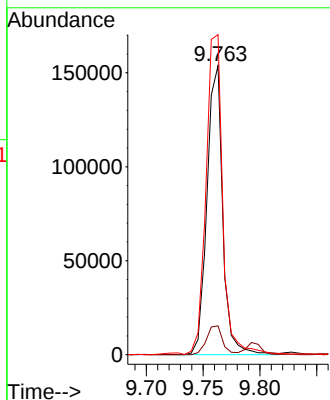
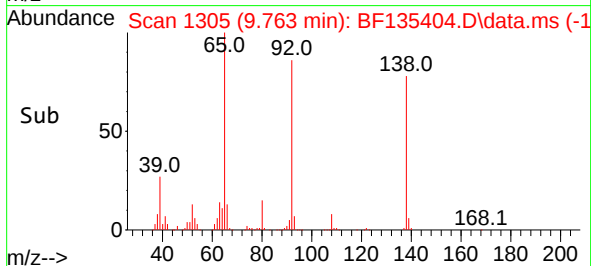


Tgt Ion:138 Resp: 148448
Ion Ratio Lower Upper
138 100
108 10.0 8.5 12.7
92 110.7 95.4 143.0

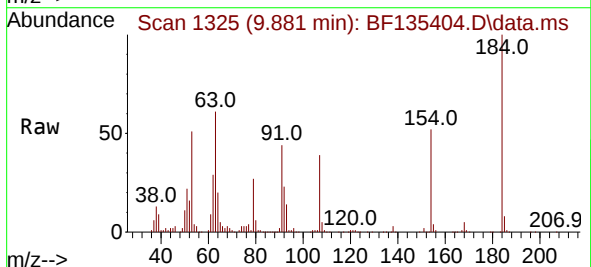
Manual Integrations

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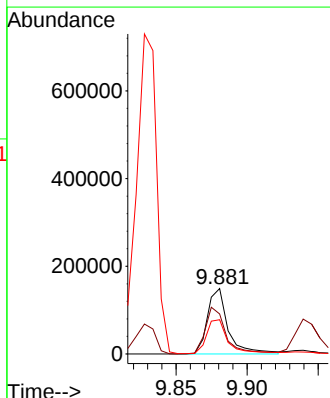
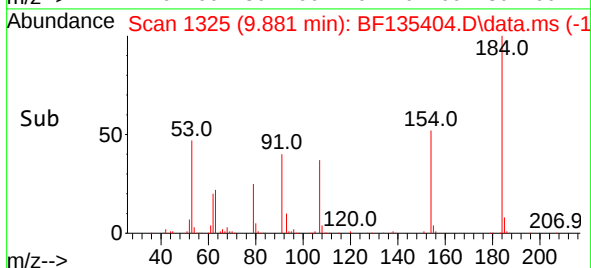
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023

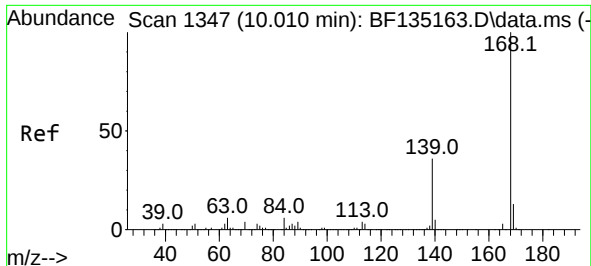


#54
2,4-Dinitrophenol
Concen: 63.575 ng
RT: 9.881 min Scan# 1325
Delta R.T. 0.007 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34



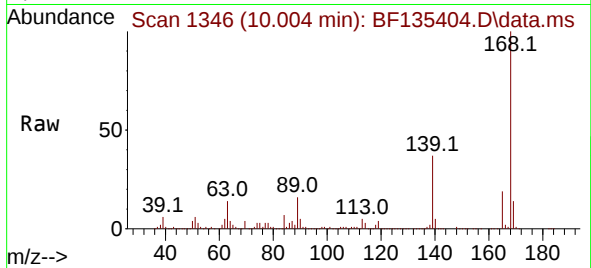
Tgt Ion:184 Resp: 150920
Ion Ratio Lower Upper
184 100
63 61.2 55.1 82.7
154 52.3 48.4 72.6





#55
Dibenzenofuran
Concen: 41.965 ng
RT: 10.004 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

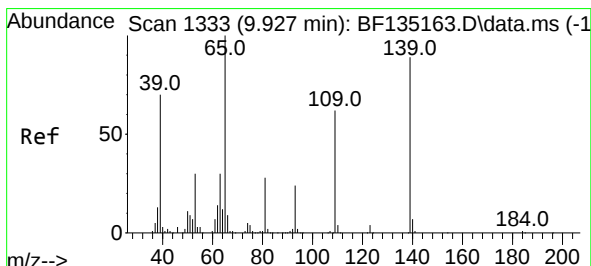
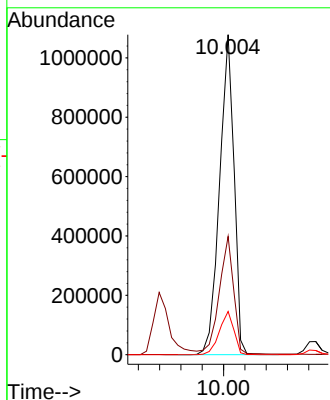
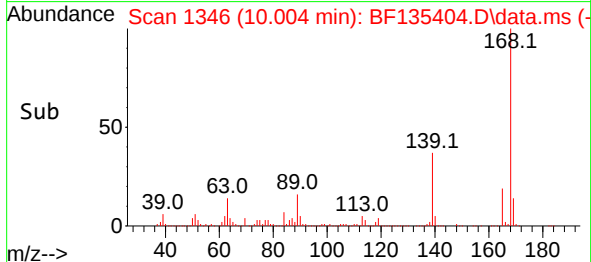
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMS



Tgt Ion:168 Resp: 1011870
Ion Ratio Lower Upper
168 100
139 36.9 29.0 43.6
169 13.5 10.4 15.6

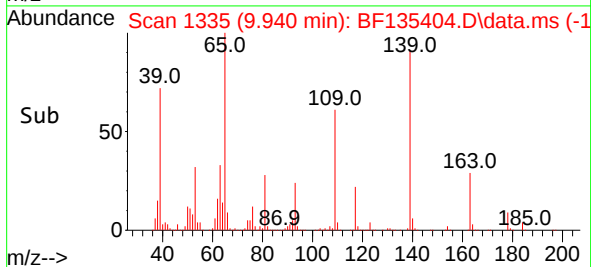
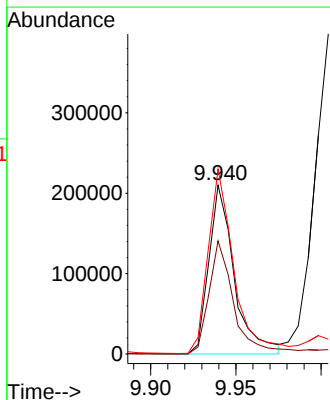
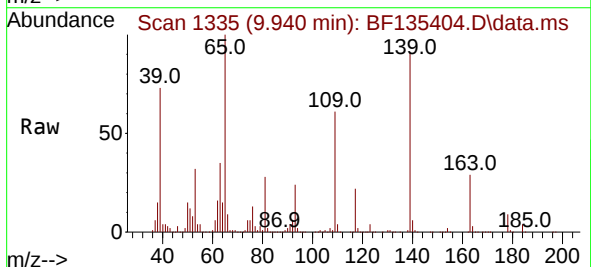
Manual Integrations
APPROVED

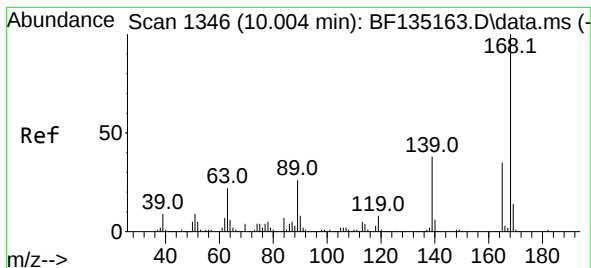
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023



#56
4-Nitrophenol
Concen: 68.316 ng
RT: 9.940 min Scan# 1335
Delta R.T. 0.012 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

Tgt Ion:139 Resp: 217890
Ion Ratio Lower Upper
139 100
109 67.1 49.8 89.8
65 109.6 92.7 132.7





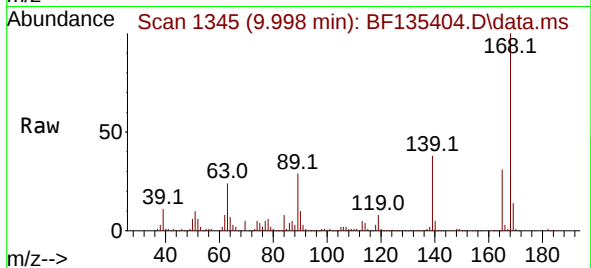
#57
2,4-Dinitrotoluene
Concen: 40.994 ng
RT: 9.998 min Scan# 1345
Delta R.T. -0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

Instrument :

BNA_F

ClientSampleId :

H-2313-SOILMS

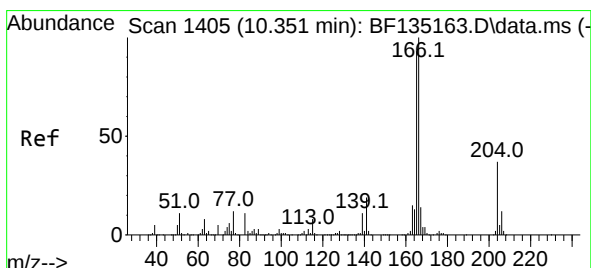
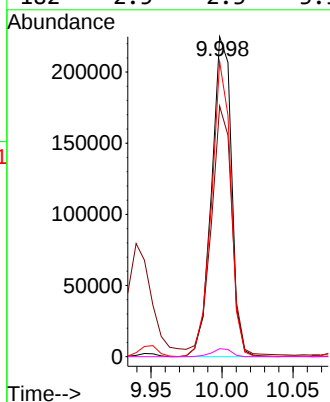
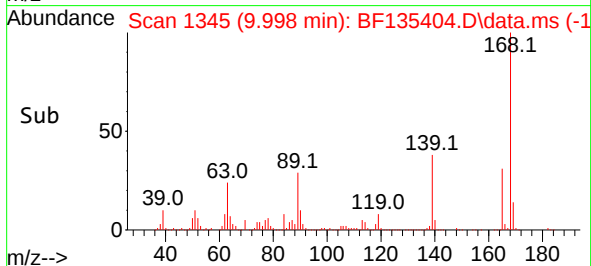


Tgt Ion:165 Resp: 21940
Ion Ratio Lower Upper
165 100
63 78.3 50.1 75.1
89 92.2 59.3 88.9
182 2.5 2.3 3.5

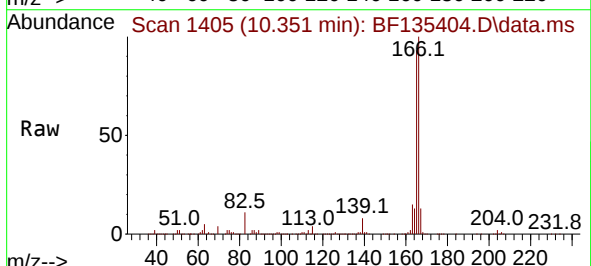
Manual Integrations

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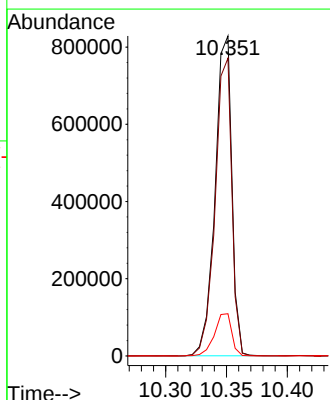
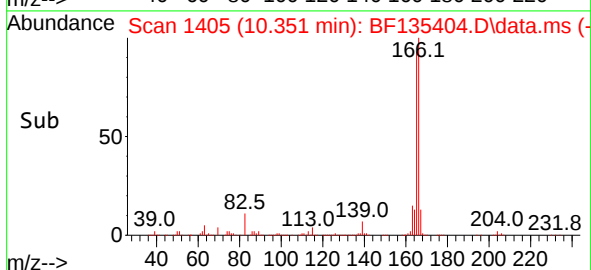
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023



#58
Fluorene
Concen: 42.902 ng
RT: 10.351 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34



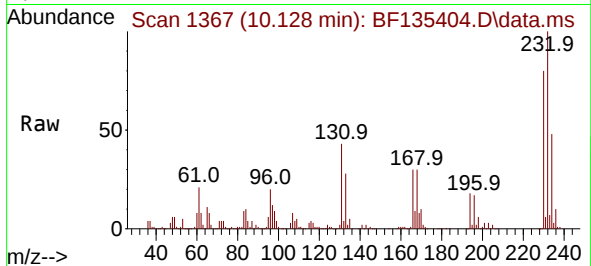
Tgt Ion:166 Resp: 795253
Ion Ratio Lower Upper
166 100
165 93.1 74.3 111.5
167 13.2 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 40.396 ng
RT: 10.128 min Scan# 1367
Delta R.T. 0.000 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

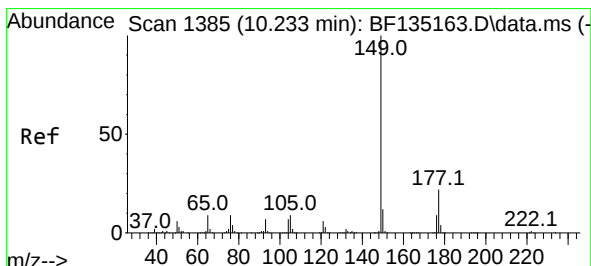
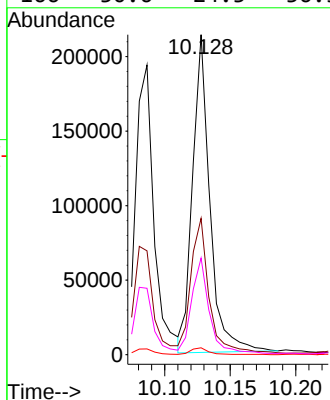
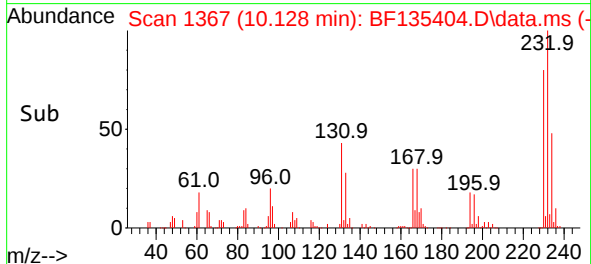
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMS



Tgt Ion:232 Resp: 195934
Ion Ratio Lower Upper
232 100
131 45.0 35.4 53.2
130 2.4 1.8 2.8
166 30.6 24.3 36.5

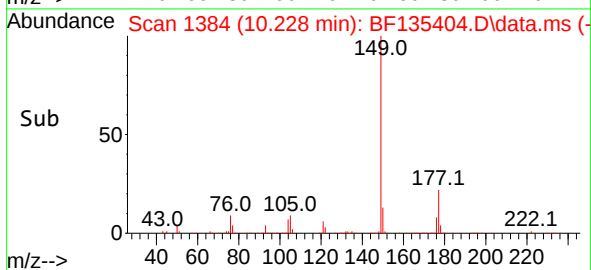
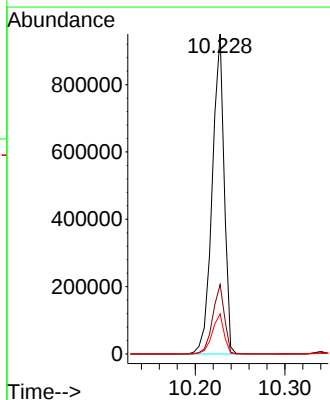
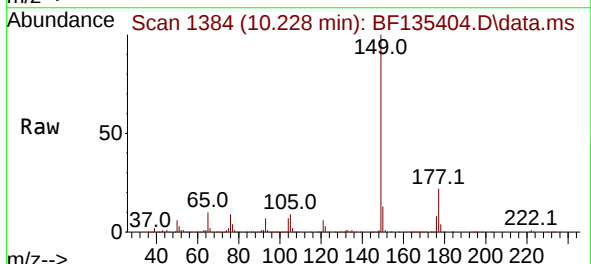
Manual Integrations
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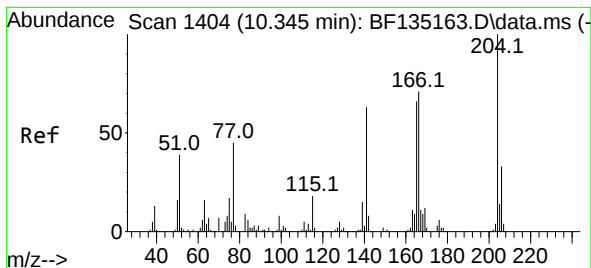
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023



#60
Diethylphthalate
Concen: 44.726 ng
RT: 10.228 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

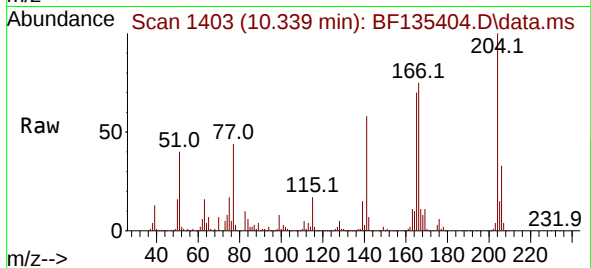
Tgt Ion:149 Resp: 875981
Ion Ratio Lower Upper
149 100
177 21.7 17.8 26.6
150 12.5 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 41.326 ng
RT: 10.339 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

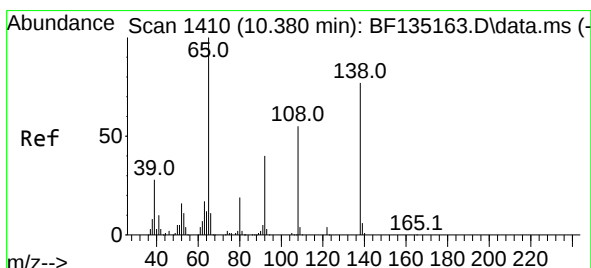
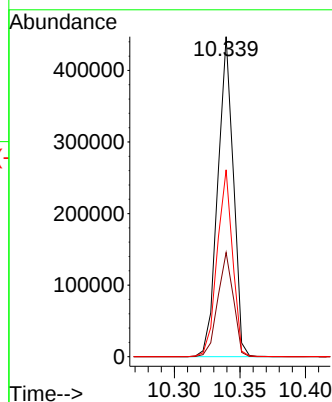
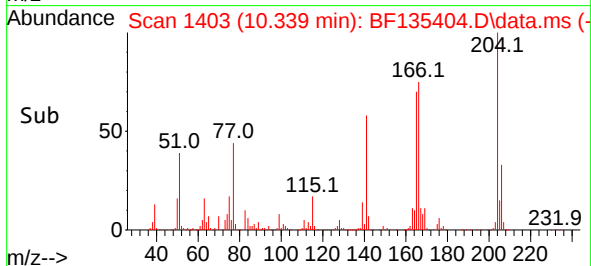
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMS



Tgt Ion:204 Resp: 36798
Ion Ratio Lower Upper
204 100
206 32.5 26.7 40.1
141 58.4 50.6 75.8

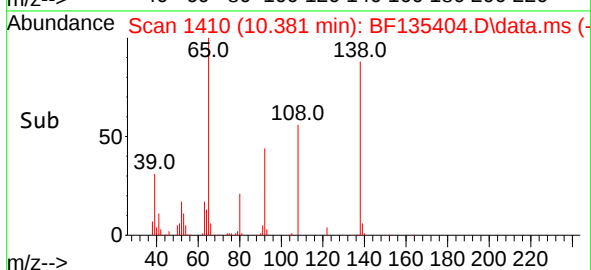
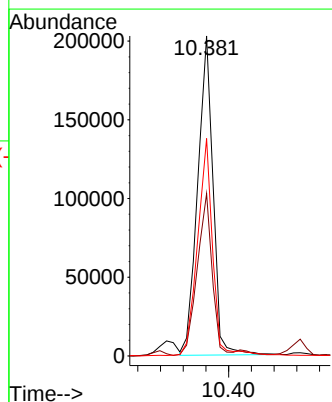
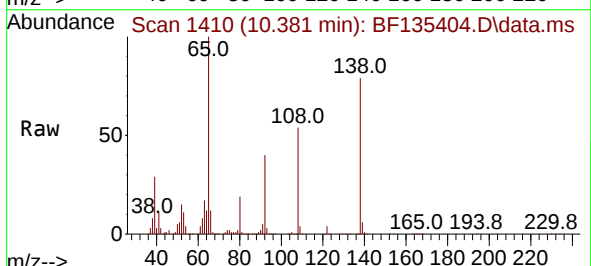
Manual Integrations
APPROVED

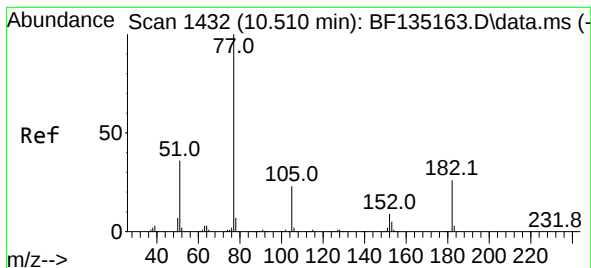
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023



#62
4-Nitroaniline
Concen: 39.622 ng
RT: 10.381 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

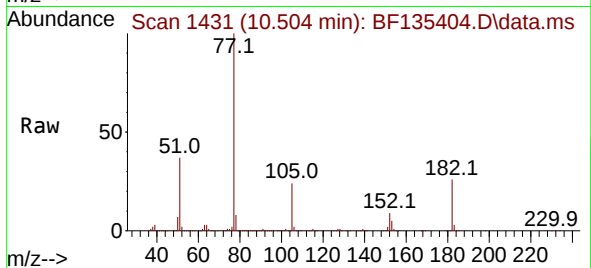
Tgt Ion:138 Resp: 191134
Ion Ratio Lower Upper
138 100
92 50.7 31.8 71.8
108 67.9 52.0 92.0





#63
Azobenzene
Concen: 46.684 ng
RT: 10.504 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

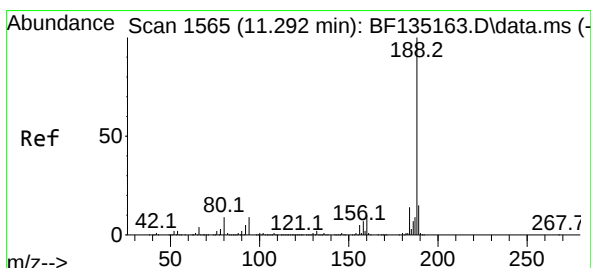
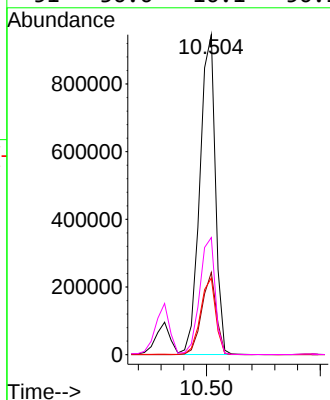
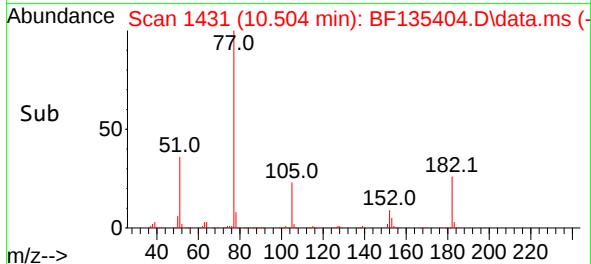
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMS



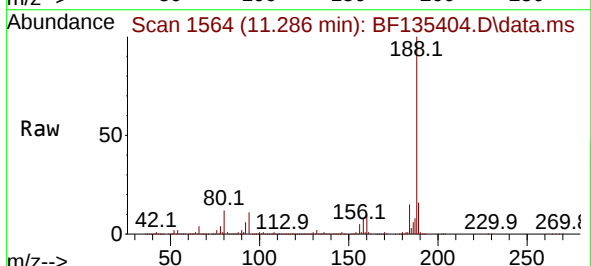
Tgt Ion: 77 Resp: 894860
Ion Ratio Lower Upper
77 100
182 25.7 6.4 46.4
105 23.9 3.1 43.1
51 36.6 16.1 56.1

Manual Integrations
APPROVED

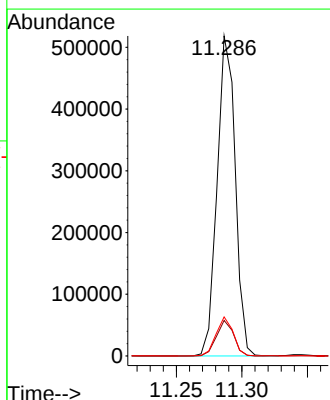
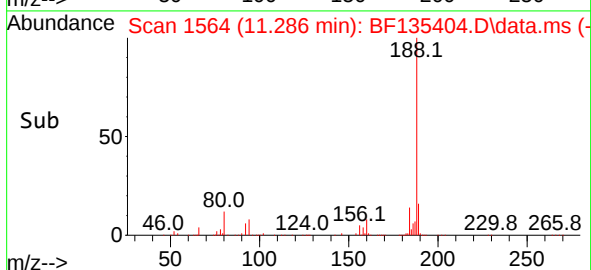
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023

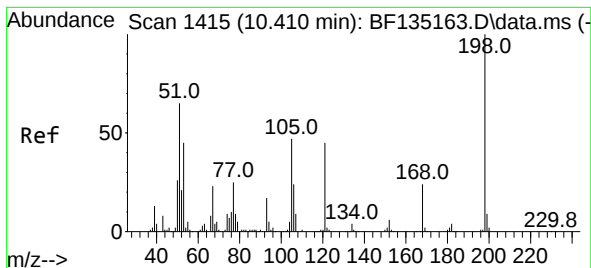


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34



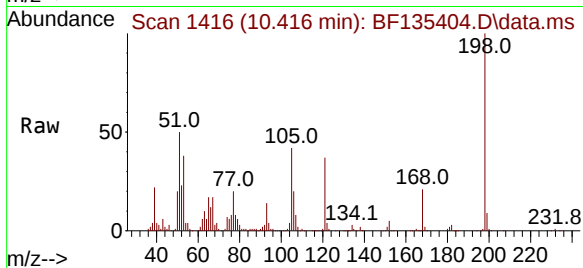
Tgt Ion:188 Resp: 496655
Ion Ratio Lower Upper
188 100
94 11.1 7.0 10.6#
80 12.2 7.5 11.3#





#65
4,6-Dinitro-2-methylphenol
Concen: 40.992 ng
RT: 10.416 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

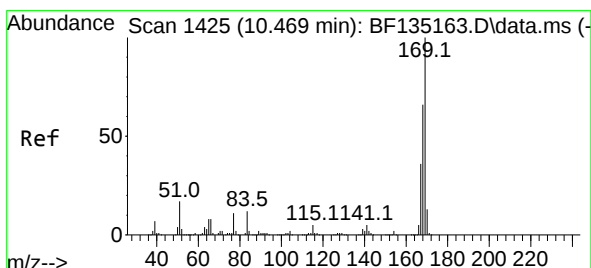
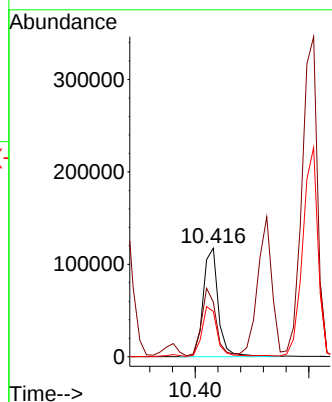
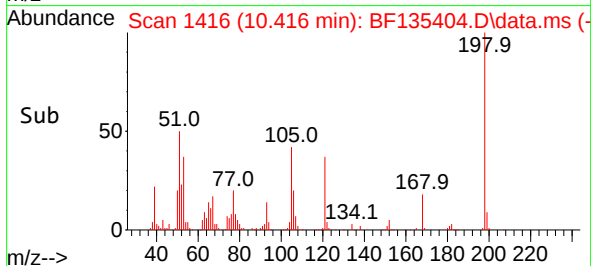
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMS



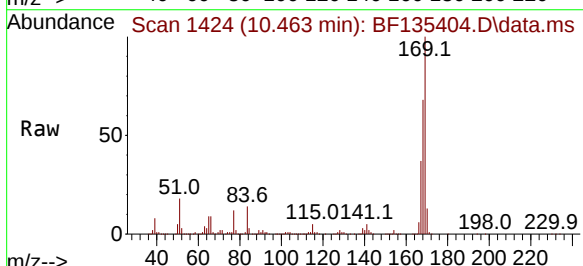
Tgt Ion:198 Resp: 10813
Ion Ratio Lower Upper
198 100
51 50.3 47.7 87.7
105 41.8 27.4 67.4

Manual Integrations
APPROVED

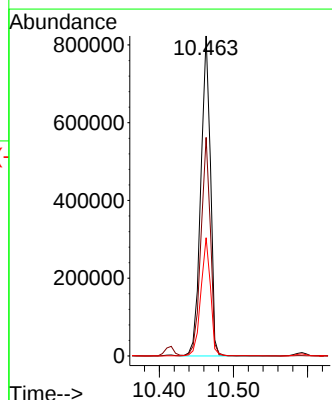
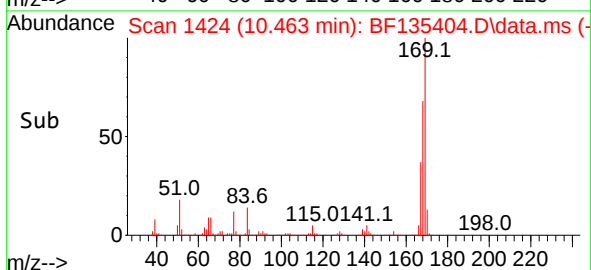
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023

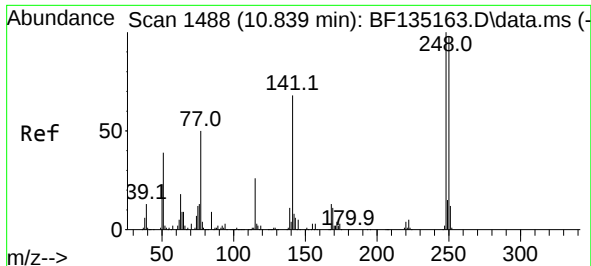


#66
n-Nitrosodiphenylamine
Concen: 49.212 ng
RT: 10.463 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34



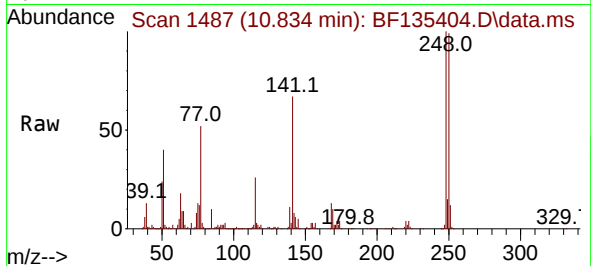
Tgt Ion:169 Resp: 739951
Ion Ratio Lower Upper
169 100
168 68.3 52.8 79.2
167 37.0 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 47.475 ng
RT: 10.834 min Scan# 1488
Delta R.T. -0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

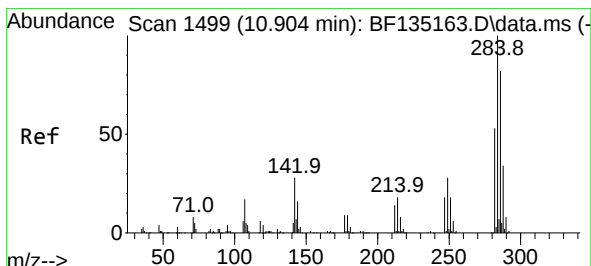
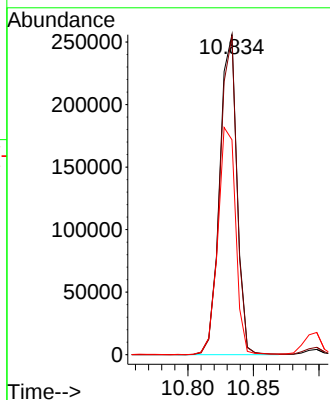
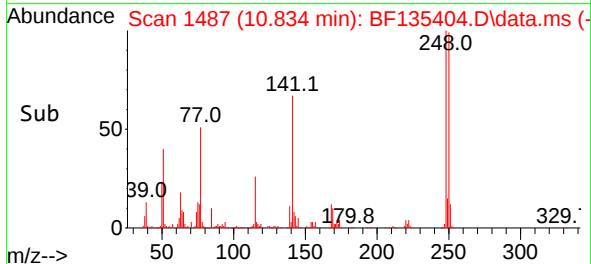
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMS



Tgt Ion:248 Resp: 23450
Ion Ratio Lower Upper
248 100
250 99.5 78.6 117.8
141 67.2 54.2 81.2

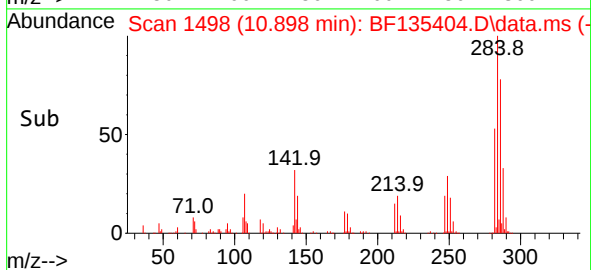
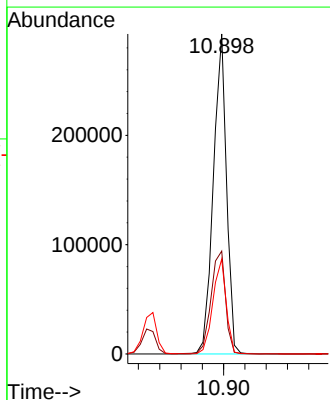
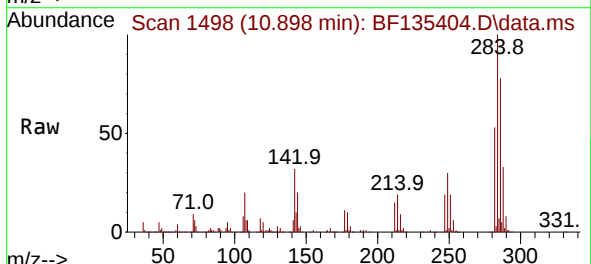
Manual Integrations
APPROVED

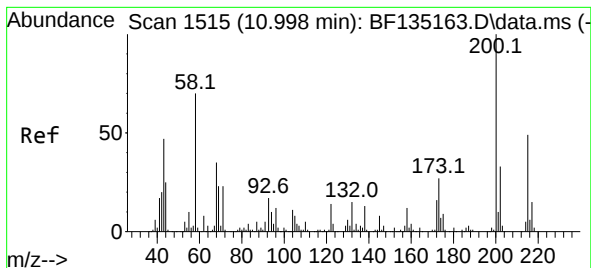
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023



#68
Hexachlorobenzene
Concen: 49.754 ng
RT: 10.898 min Scan# 1498
Delta R.T. -0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

Tgt Ion:284 Resp: 250379
Ion Ratio Lower Upper
284 100
142 32.2 22.2 33.4
249 29.7 22.5 33.7





#69

Atrazine

Concen: 53.804 ng

RT: 10.998 min Scan# 1515

Delta R.T. 0.000 min

Lab File: BF135404.D

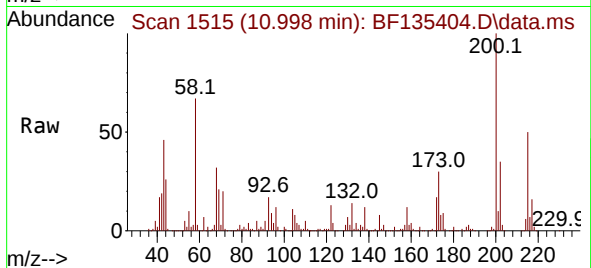
Acq: 22 Sep 2023 17:34

Instrument :

BNA_F

ClientSampleId :

H-2313-SOILMS



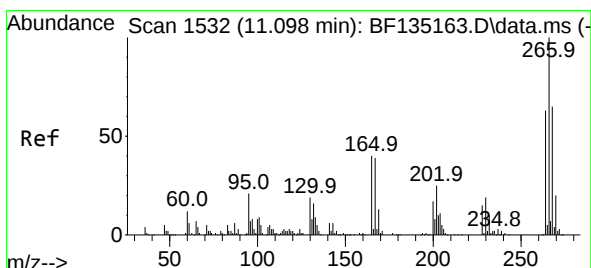
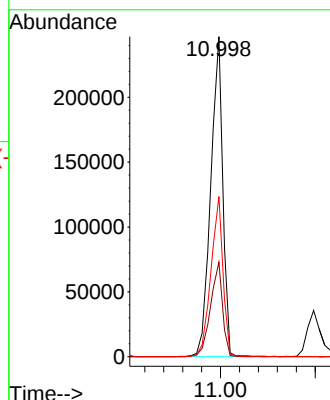
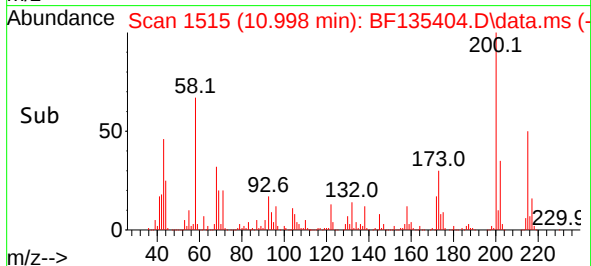
Tgt Ion:	200	Resp:	217680
Ion Ratio	Lower	Upper	
200	100		
173	29.5	7.4	47.4
215	50.1	28.6	68.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/25/2023

Supervised By :mohammad ahmed 09/27/2023



#70

Pentachlorophenol

Concen: 74.444 ng

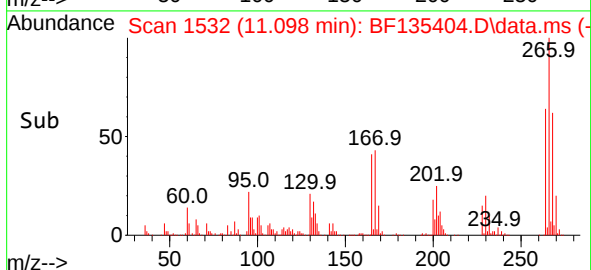
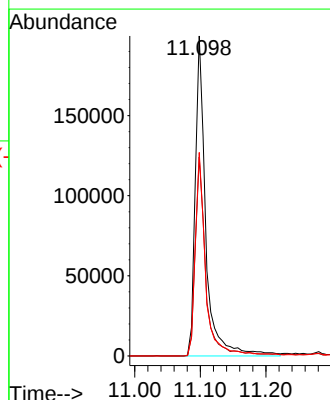
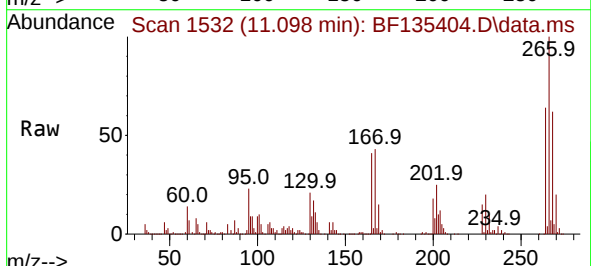
RT: 11.098 min Scan# 1532

Delta R.T. 0.000 min

Lab File: BF135404.D

Acq: 22 Sep 2023 17:34

Tgt Ion:	266	Resp:	224138
Ion Ratio	Lower	Upper	
266	100		
268	62.2	52.1	78.1
264	63.6	50.8	76.2





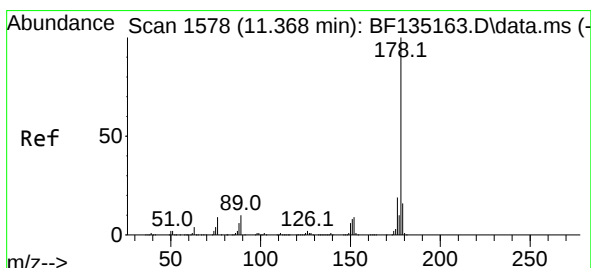
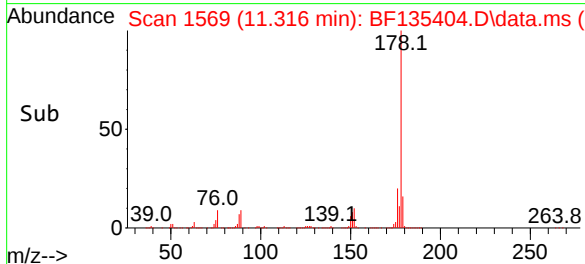
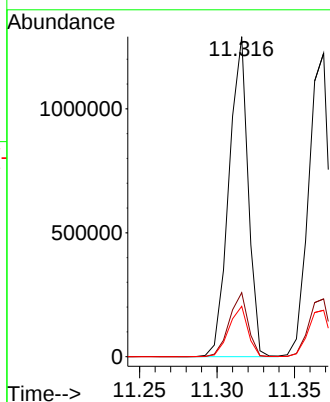
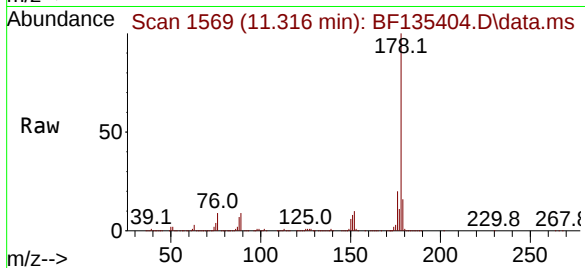
#71
Phenanthrene
Concen: 47.285 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMS

Tgt Ion:178 Resp: 1110710
Ion Ratio Lower Upper
178 100
176 20.0 15.6 23.4
179 15.7 12.0 18.0

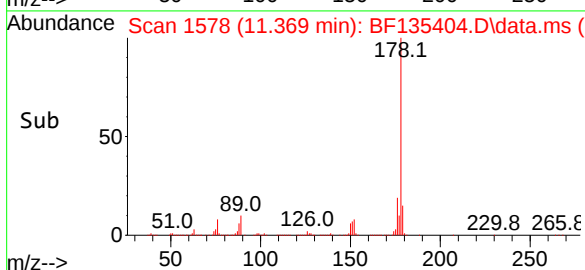
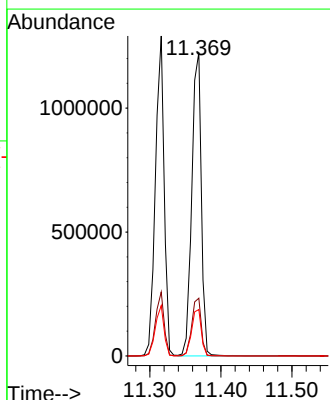
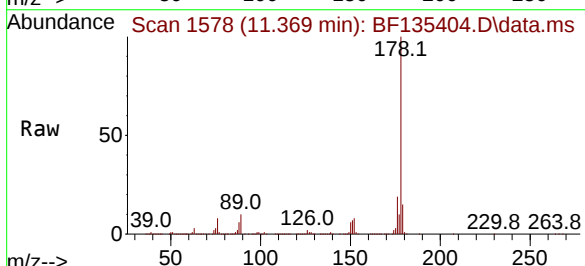
Manual Integrations
APPROVED

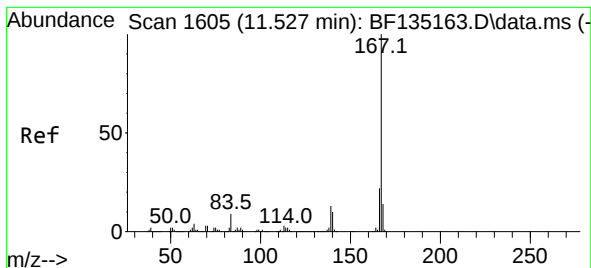
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023



#72
Anthracene
Concen: 47.161 ng
RT: 11.369 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

Tgt Ion:178 Resp: 1138691
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.3 12.6 19.0





#73

Carbazole

Concen: 46.324 ng

RT: 11.528 min Scan# 1605

Delta R.T. 0.000 min

Lab File: BF135404.D

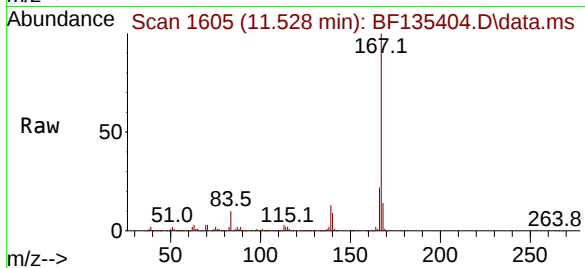
Acq: 22 Sep 2023 17:34

Instrument :

BNA_F

ClientSampleId :

H-2313-SOILMS



Tgt Ion:167 Resp: 1018184

Ion Ratio Lower Upper

167 100

166 21.8 17.4 26.0

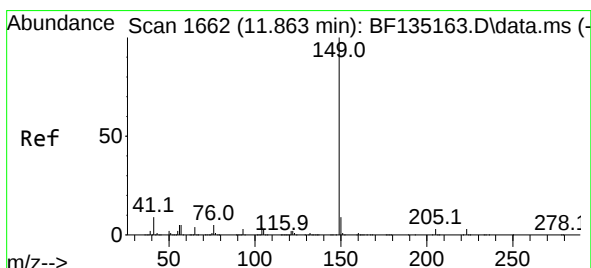
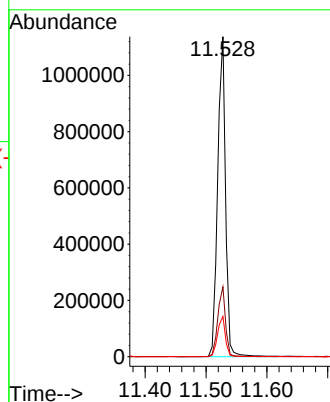
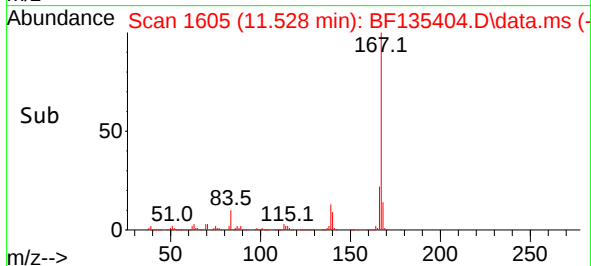
139 12.6 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/25/2023

Supervised By :mohammad ahmed 09/27/2023



#74

Di-n-butylphthalate

Concen: 50.009 ng

RT: 11.857 min Scan# 1661

Delta R.T. -0.006 min

Lab File: BF135404.D

Acq: 22 Sep 2023 17:34

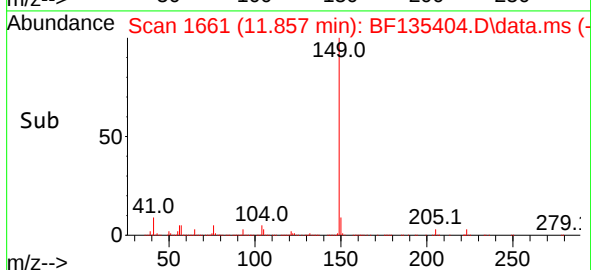
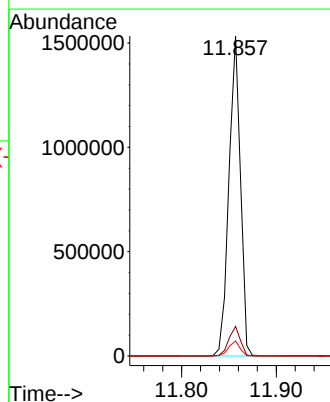
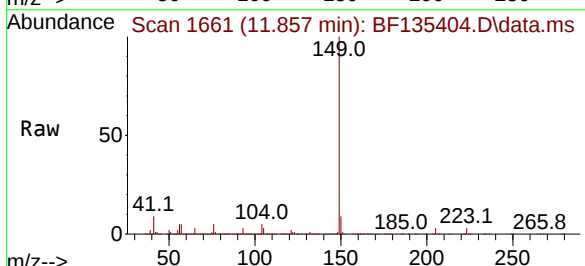
Tgt Ion:149 Resp: 1295213

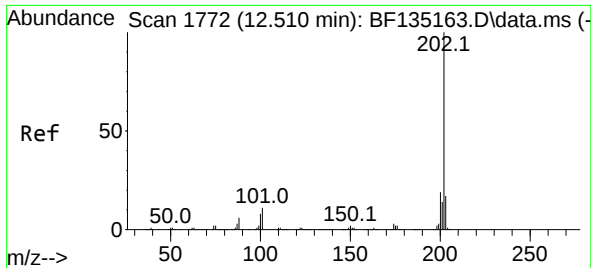
Ion Ratio Lower Upper

149 100

150 9.3 7.4 11.0

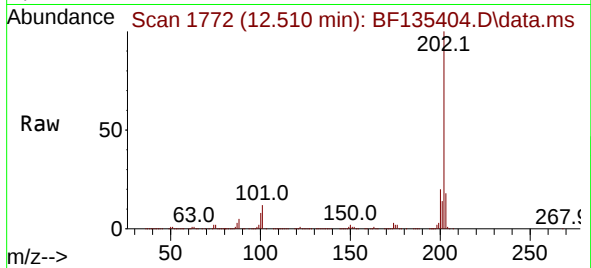
104 4.7 3.6 5.4





#75
Fluoranthene
Concen: 43.566 ng
RT: 12.510 min Scan# 1772
Delta R.T. 0.000 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

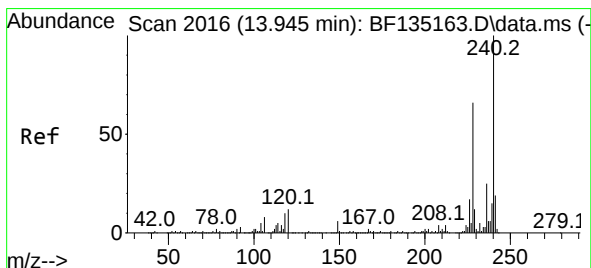
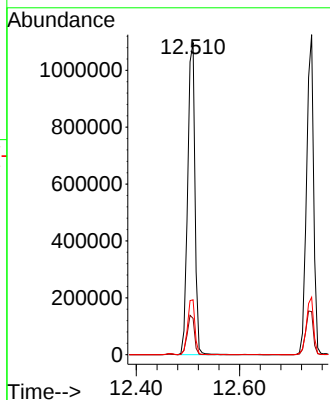
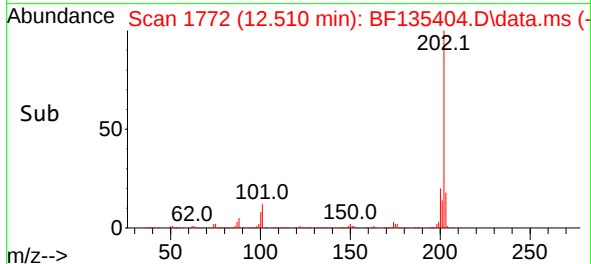
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMS



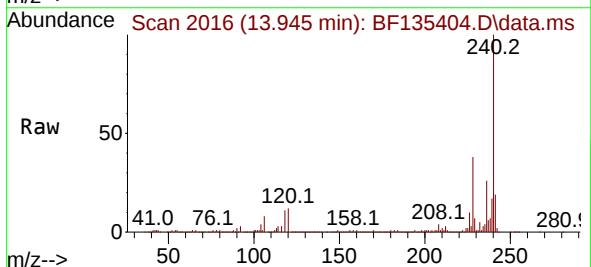
Tgt Ion:202 Resp: 1066317
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.3
203 17.6 0.0 37.4

Manual Integrations
APPROVED

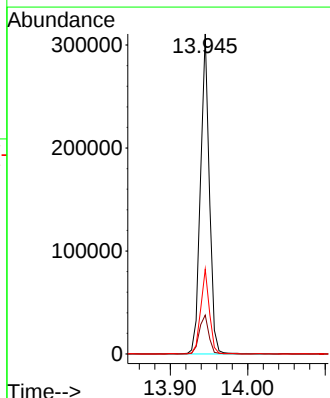
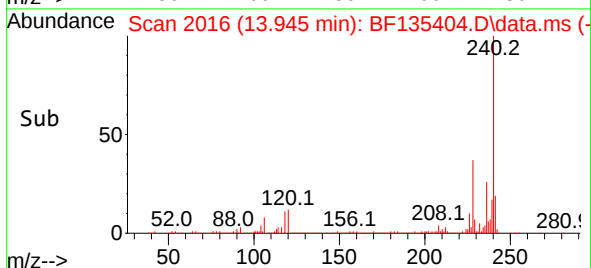
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023

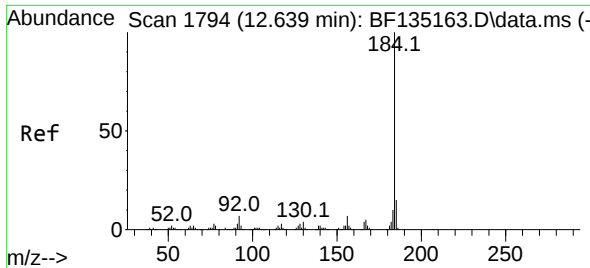


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34



Tgt Ion:240 Resp: 247317
Ion Ratio Lower Upper
240 100
120 12.2 9.4 14.2
236 26.5 19.8 29.8





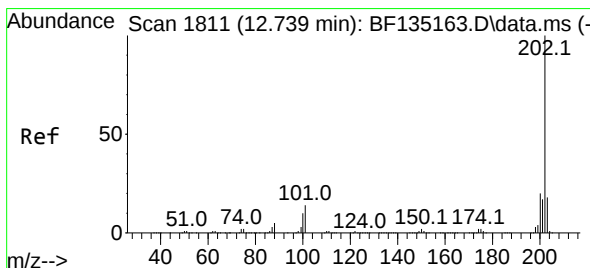
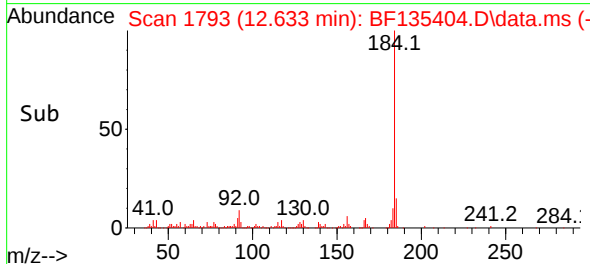
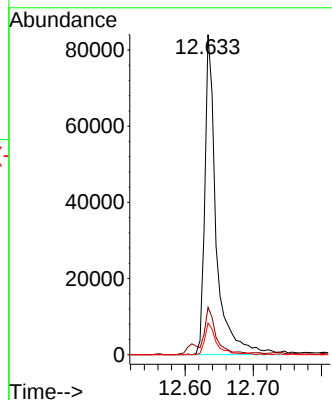
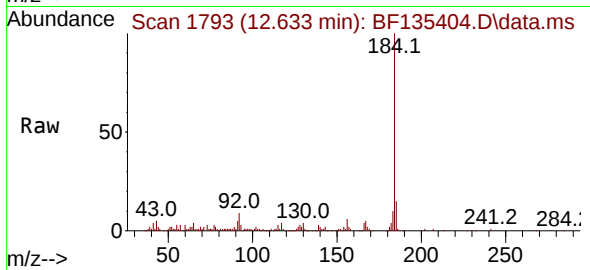
#77
Benzidine
Concen: 19.388 ng
RT: 12.633 min Scan# 1793
Delta R.T. -0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMS

Tgt Ion:184 Resp: 9823
Ion Ratio Lower Upper
184 100
185 14.8 11.7 17.5
183 9.9 8.2 12.4

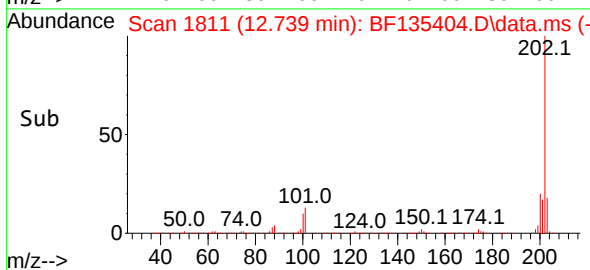
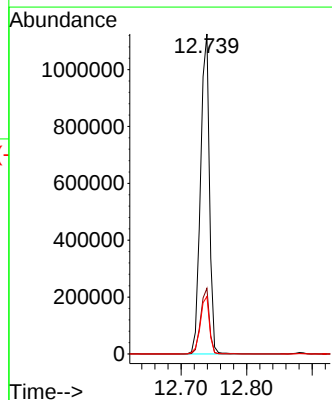
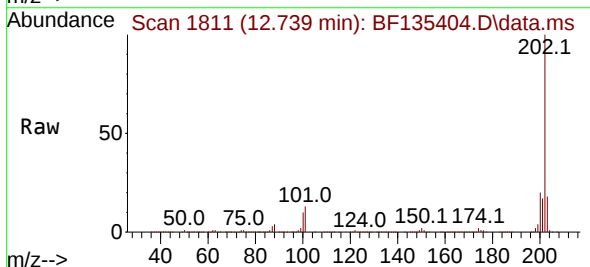
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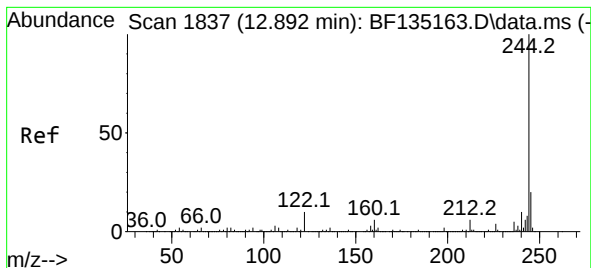
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023



#78
Pyrene
Concen: 45.019 ng
RT: 12.739 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

Tgt Ion:202 Resp: 1060040
Ion Ratio Lower Upper
202 100
200 20.5 16.2 24.2
203 18.0 14.2 21.4





#79

Terphenyl-d14

Concen: 77.913 ng

RT: 12.880 min Scan# 1835

Delta R.T. -0.011 min

Lab File: BF135404.D

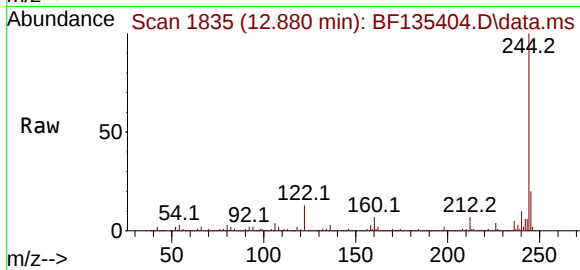
Acq: 22 Sep 2023 17:34

Instrument :

BNA_F

ClientSampleId :

H-2313-SOILMS



Tgt Ion:244 Resp: 1243018

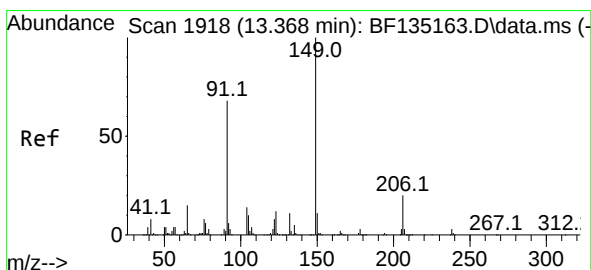
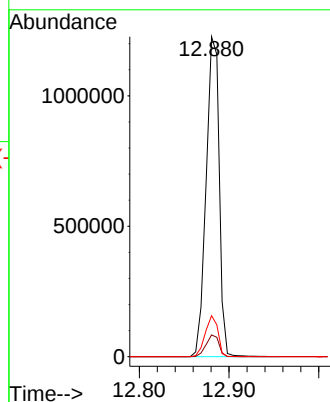
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.1	7.7
122	12.8	7.9	11.9

Manual Integrations

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Reviewed By :Yogesh Patel 09/25/2023

Supervised By :mohammad ahmed 09/27/2023



#80

Butylbenzylphthalate

Concen: 52.162 ng

RT: 13.363 min Scan# 1917

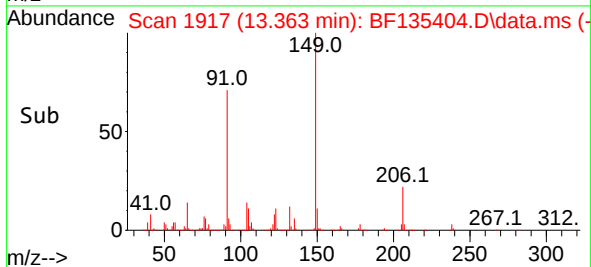
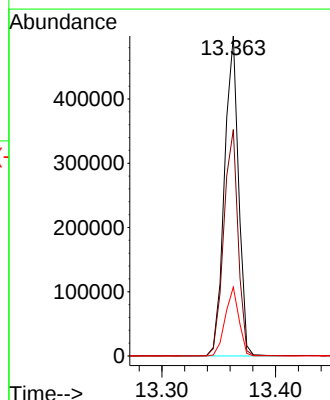
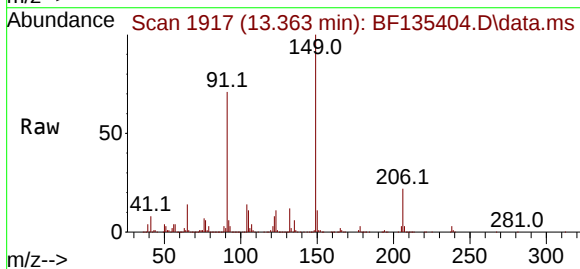
Delta R.T. -0.006 min

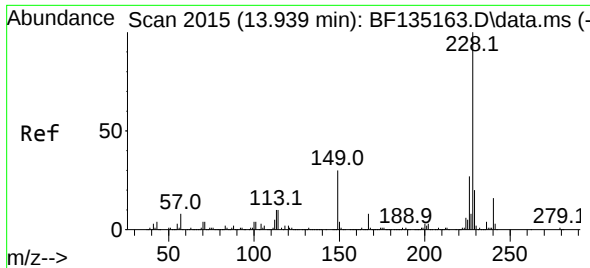
Lab File: BF135404.D

Acq: 22 Sep 2023 17:34

Tgt Ion:149 Resp: 432439

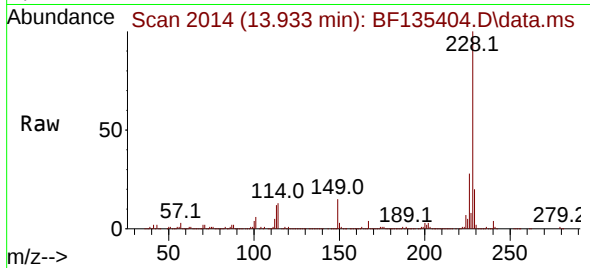
Ion	Ratio	Lower	Upper
149	100		
91	70.7	54.7	82.1
206	21.5	16.3	24.5





#81
Benzo(a)anthracene
Concen: 47.422 ng
RT: 13.933 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

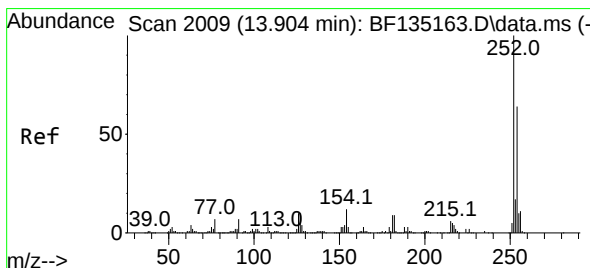
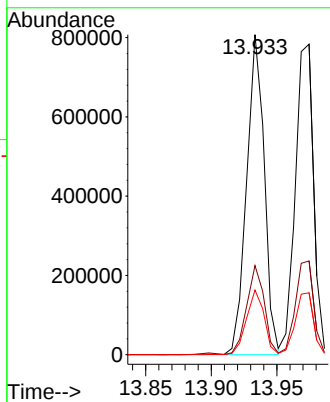
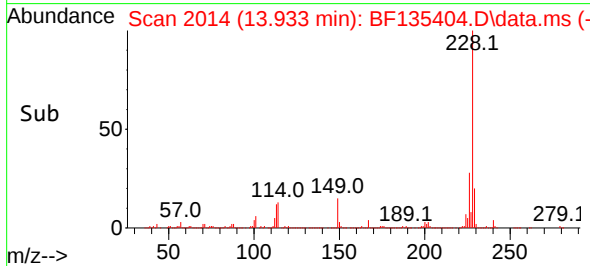
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMS



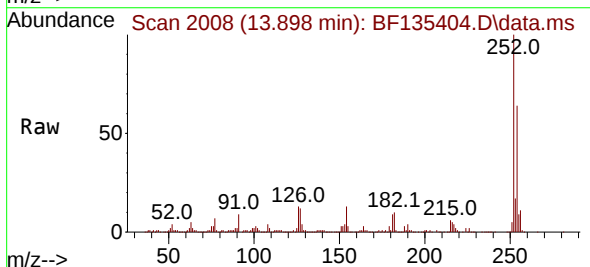
Tgt Ion:228 Resp: 757320
Ion Ratio Lower Upper
228 100
226 27.9 21.7 32.5
229 20.2 15.8 23.8

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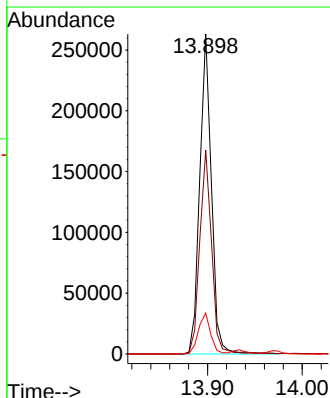
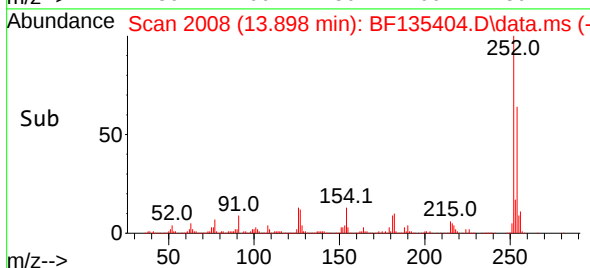
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023

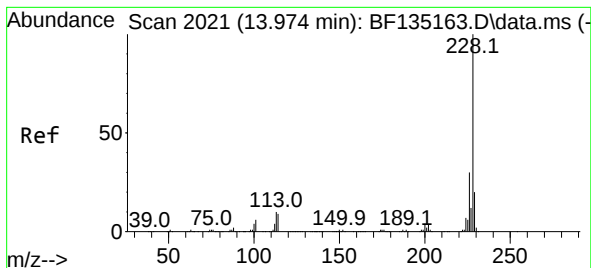


#82
3,3'-Dichlorobenzidine
Concen: 45.221 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34



Tgt Ion:252 Resp: 225575
Ion Ratio Lower Upper
252 100
254 63.8 51.0 76.4
126 12.8 7.8 11.8





#83

Chrysene

Concen: 47.984 ng

RT: 13.975 min Scan# 2012

Delta R.T. 0.000 min

Lab File: BF135404.D

Acq: 22 Sep 2023 17:34

Instrument :

BNA_F

ClientSampleId :

H-2313-SOILMS

Tgt Ion:228 Resp: 761880

Ion Ratio Lower Upper

228 100

226 30.2 24.3 36.5

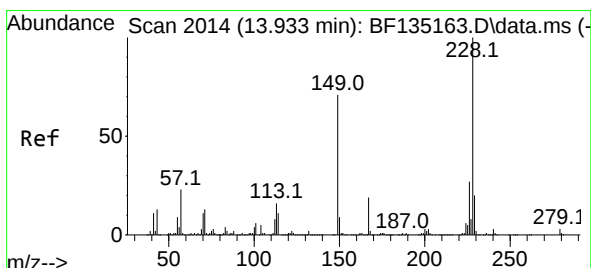
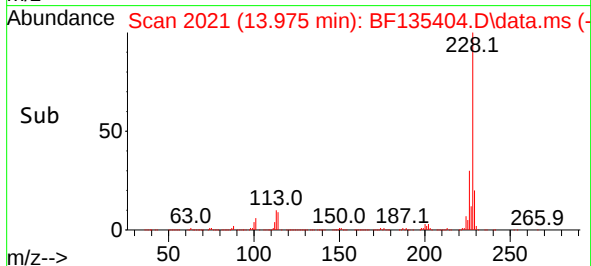
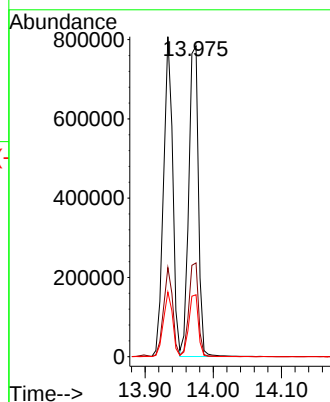
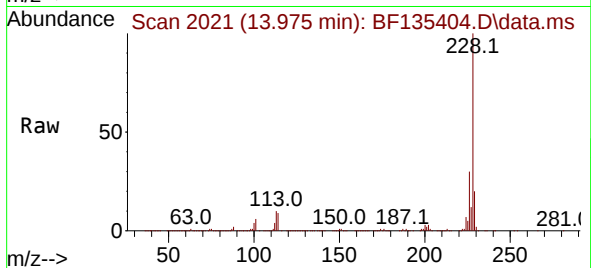
229 20.0 16.0 24.0

Manual Integrations

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Reviewed By :Yogesh Patel 09/25/2023

Supervised By :mohammad ahmed 09/27/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 63.105 ng

RT: 13.922 min Scan# 2012

Delta R.T. -0.011 min

Lab File: BF135404.D

Acq: 22 Sep 2023 17:34

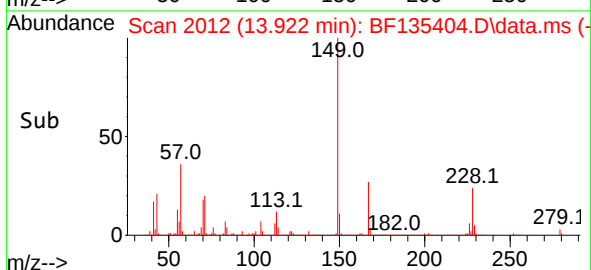
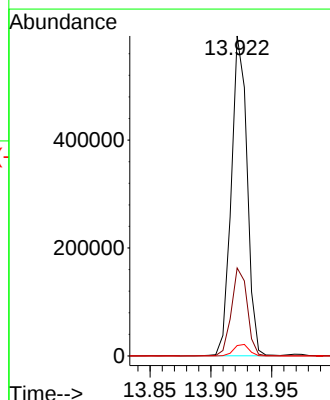
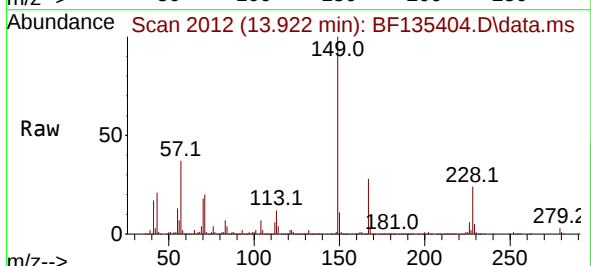
Tgt Ion:149 Resp: 536857

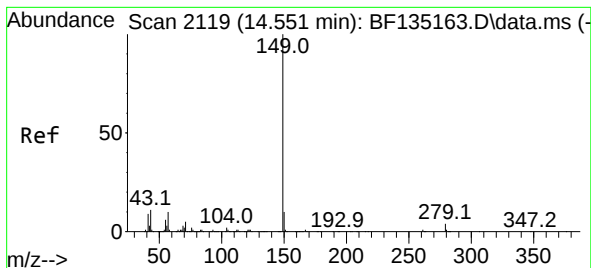
Ion Ratio Lower Upper

149 100

167 27.5 21.9 32.9

279 3.3 3.3 4.9#





#85

Di-n-octyl phthalate

Concen: 68.781 ng

RT: 14.539 min Scan# 2117

Delta R.T. -0.011 min

Lab File: BF135404.D

Acq: 22 Sep 2023 17:34

Instrument :

BNA_F

ClientSampleId :

H-2313-SOILMS

Tgt Ion:149 Resp: 929900

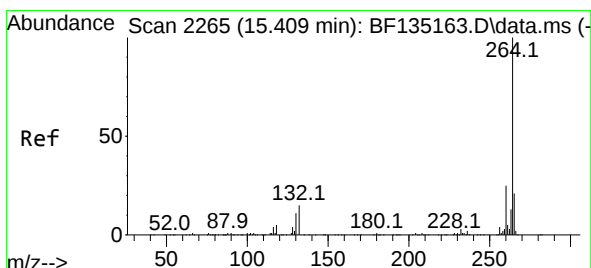
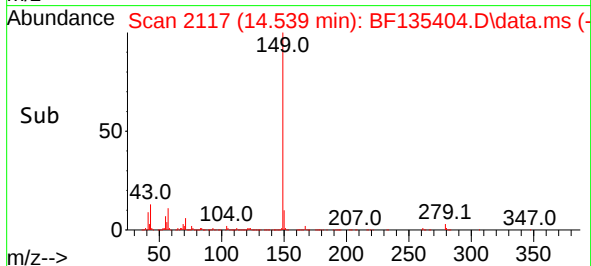
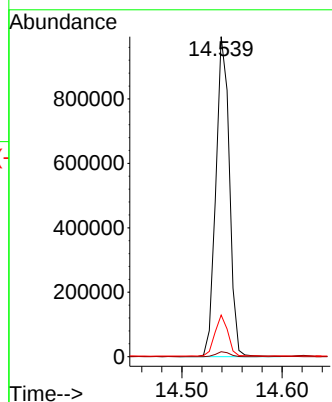
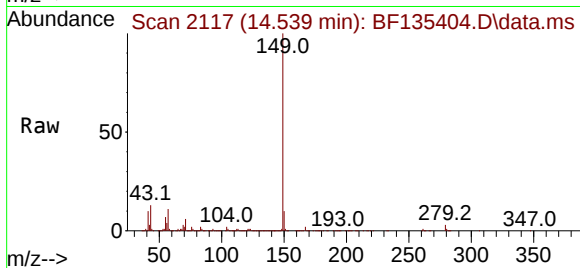
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	12.4	9.8	14.6

Manual Integrations

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Reviewed By :Yogesh Patel 09/25/2023

Supervised By :mohammad ahmed 09/27/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 2265

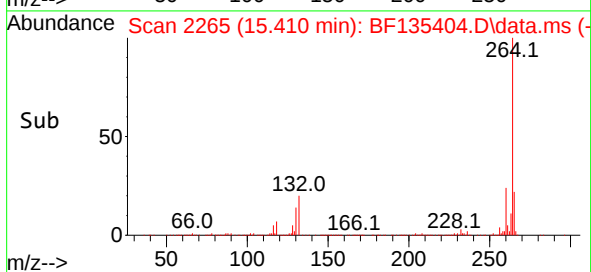
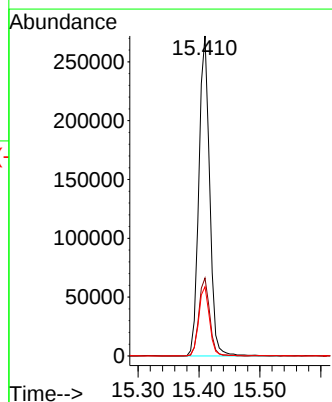
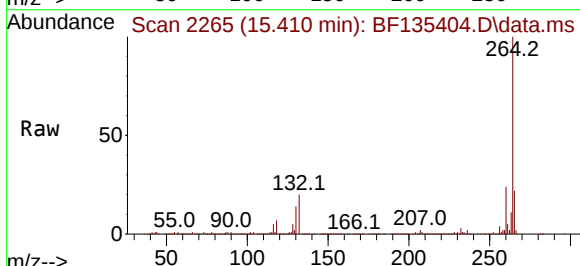
Delta R.T. 0.000 min

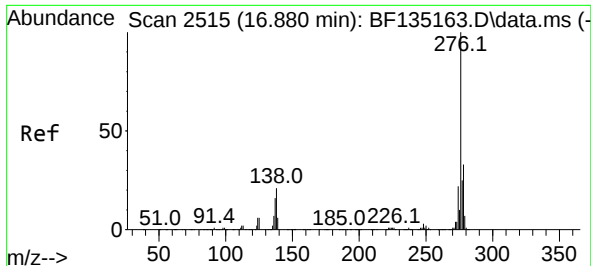
Lab File: BF135404.D

Acq: 22 Sep 2023 17:34

Tgt Ion:264 Resp: 333745

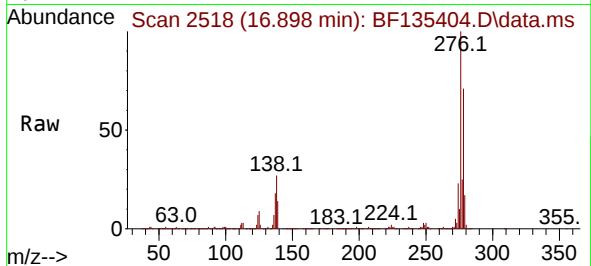
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.8	29.6
265	21.7	17.0	25.4





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 42.152 ng
 RT: 16.898 min Scan# 2118
 Delta R.T. 0.018 min
 Lab File: BF135404.D
 Acq: 22 Sep 2023 17:34

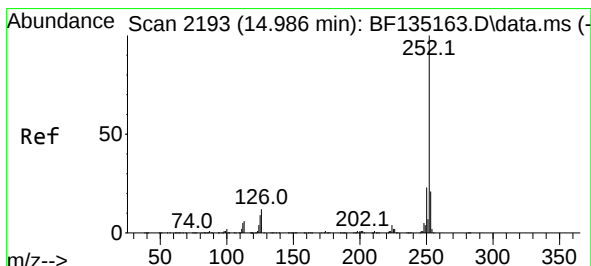
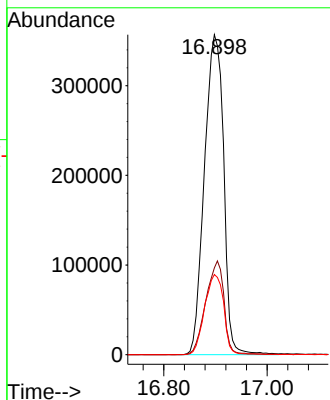
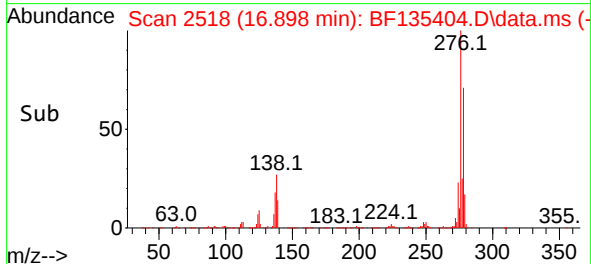
Instrument :
 BNA_F
 ClientSampleId :
 H-2313-SOILMS



Tgt Ion:276 Resp: 922402
 Ion Ratio Lower Upper
 276 100
 138 27.7 19.2 28.8
 277 24.9 19.7 29.5

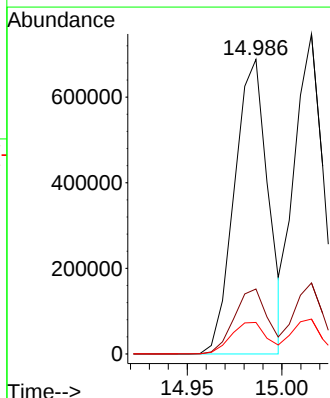
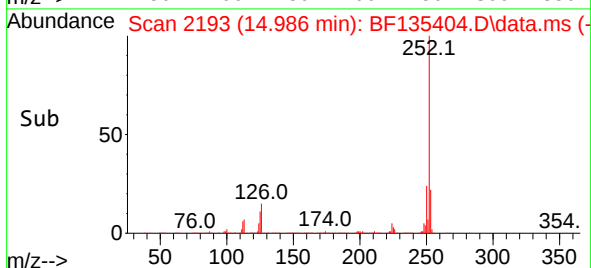
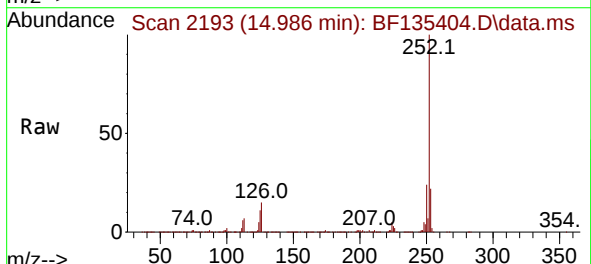
Manual Integrations
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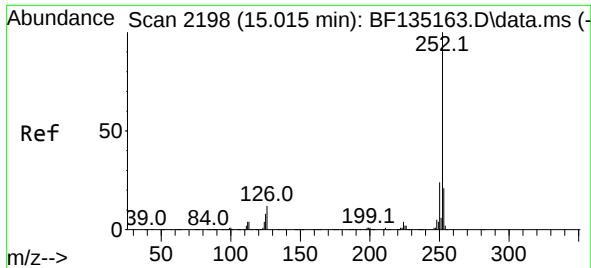
Reviewed By :Yogesh Patel 09/25/2023
 Supervised By :mohammad ahmed 09/27/2023



#88
 Benzo(b)fluoranthene
 Concen: 47.090 ng
 RT: 14.986 min Scan# 2193
 Delta R.T. 0.000 min
 Lab File: BF135404.D
 Acq: 22 Sep 2023 17:34

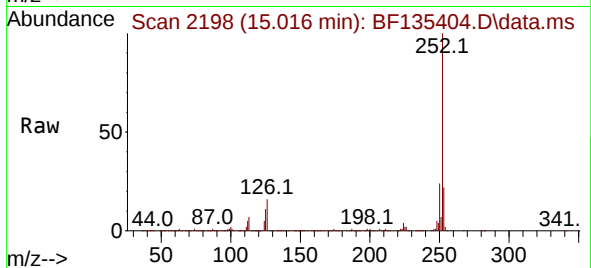
Tgt Ion:252 Resp: 850759
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.2 25.8
 125 10.7 7.1 10.7#





#89
Benzo(k)fluoranthene
Concen: 43.788 ng m
RT: 15.016 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

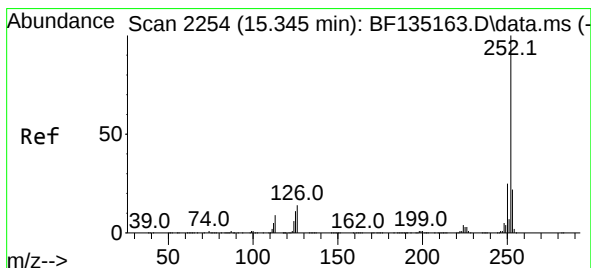
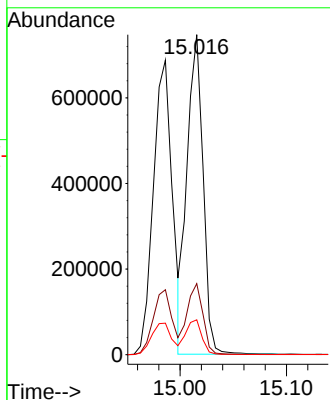
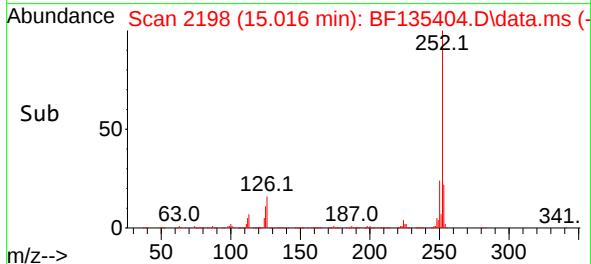
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMS



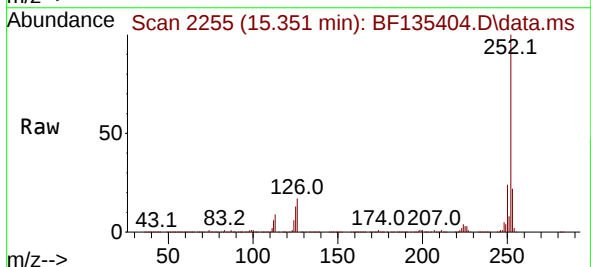
Tgt Ion:252 Resp: 781478
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 10.9 7.2 10.8

Manual Integrations
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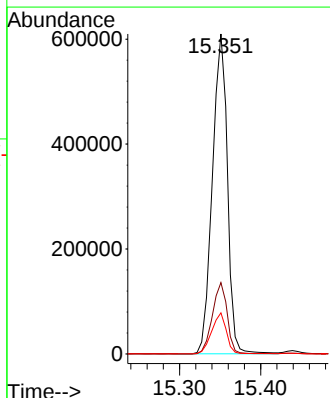
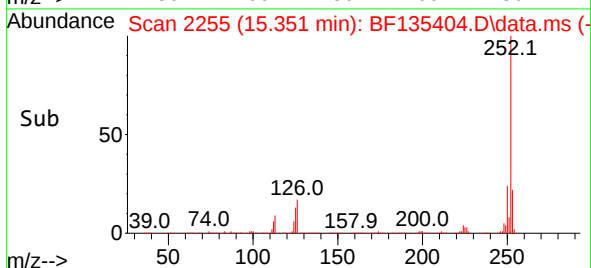
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023

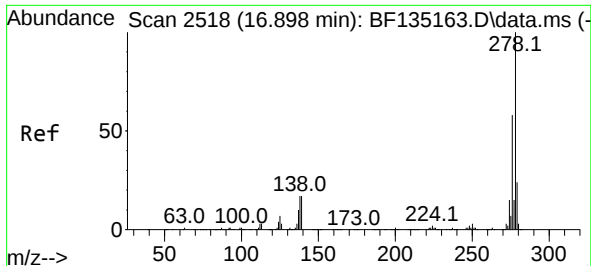


#90
Benzo(a)pyrene
Concen: 45.480 ng
RT: 15.351 min Scan# 2255
Delta R.T. 0.006 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34



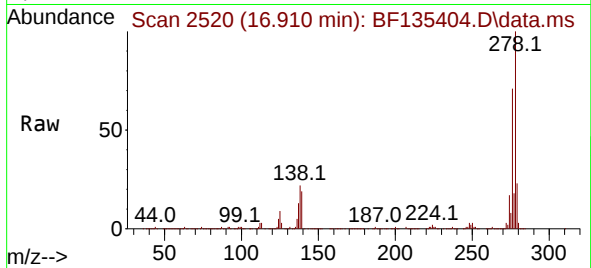
Tgt Ion:252 Resp: 783575
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 12.9 9.2 13.8





#91
Dibenzo(a,h)anthracene
Concen: 42.311 ng
RT: 16.910 min Scan# 2518
Delta R.T. 0.012 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34

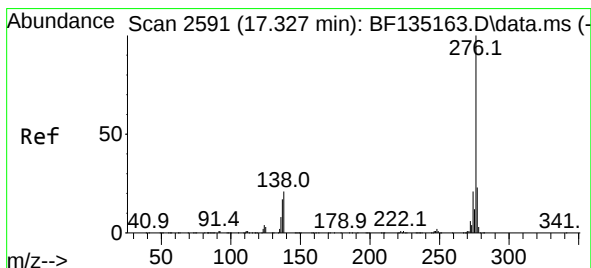
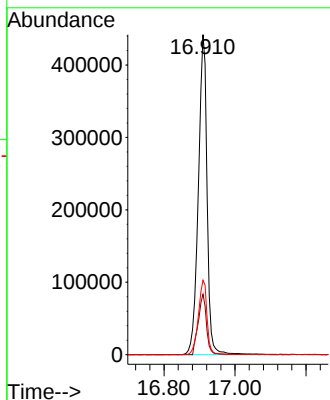
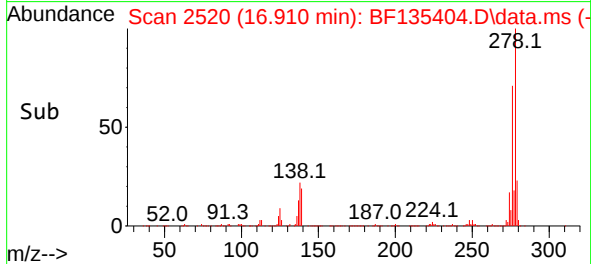
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMS



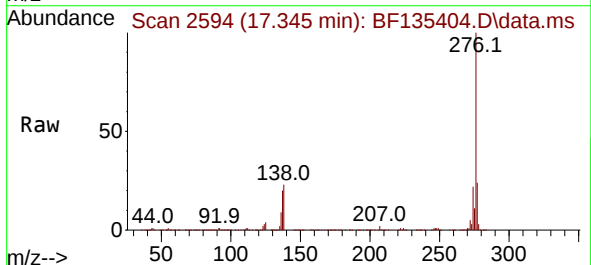
Tgt Ion:278 Resp: 757570
Ion Ratio Lower Upper
278 100
139 18.9 13.4 20.0
279 23.2 19.0 28.6

Manual Integrations
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Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023



#92
Benzo(g,h,i)perylene
Concen: 39.001 ng
RT: 17.345 min Scan# 2594
Delta R.T. 0.018 min
Lab File: BF135404.D
Acq: 22 Sep 2023 17:34



Tgt Ion:276 Resp: 729275
Ion Ratio Lower Upper
276 100
277 23.7 18.8 28.2
138 23.1 16.9 25.3

