

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
 Data File : BF131371.D
 Acq On : 23 Nov 2022 20:33
 Operator : CG\JU
 Sample : N5641-19
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-19

Quant Time: Nov 24 05:57:37 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 05:53:32 2022
 Response via : Initial Calibration

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

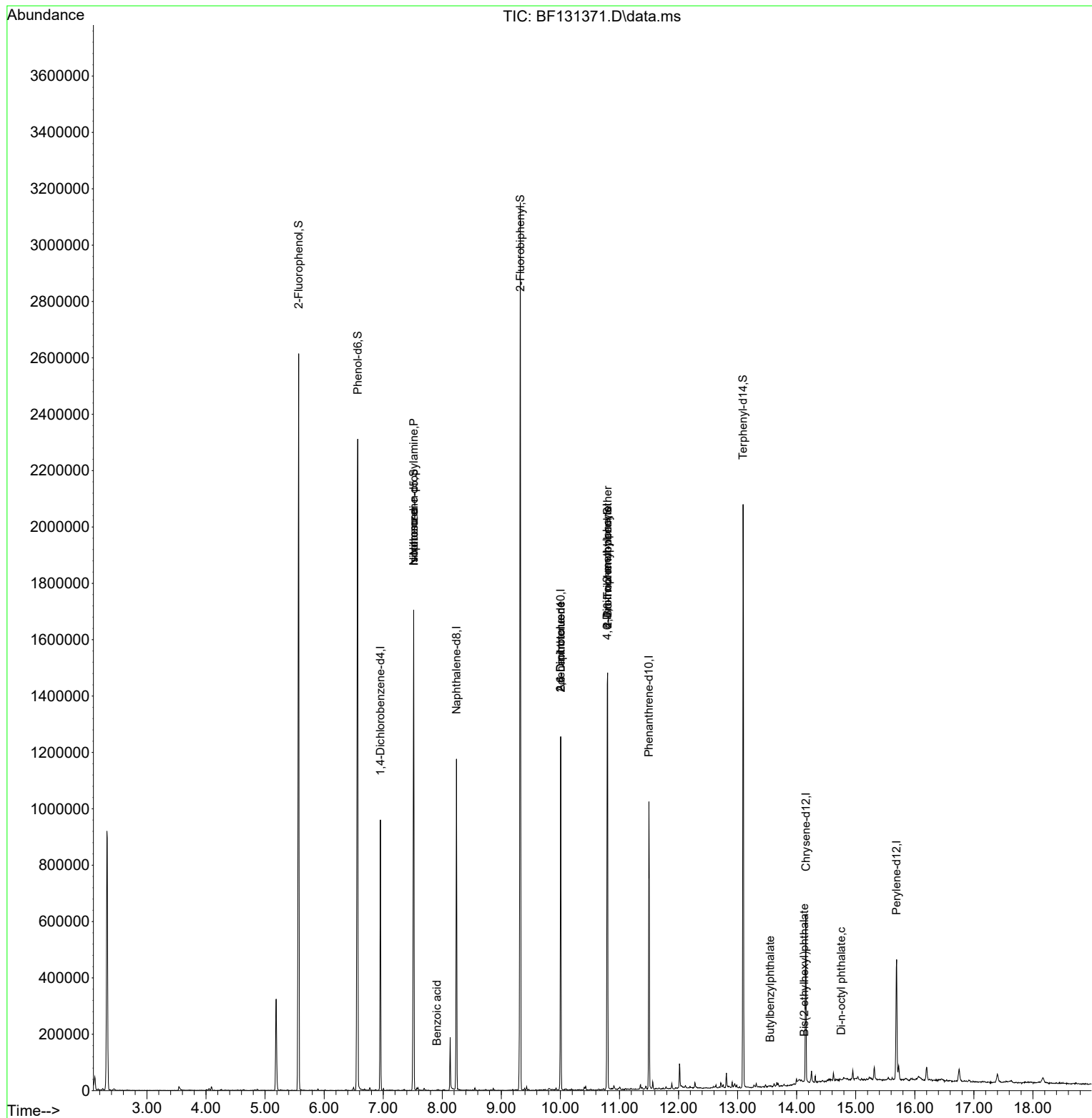
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	124300	20.000	ng	0.00
21) Naphthalene-d8	8.240	136	448484	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	229225	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	356211	20.000	ng	0.00
76) Chrysene-d12	14.157	240	216155	20.000	ng	0.00
86) Perylene-d12	15.692	264	207180	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	630908	96.601	ng	0.01
7) Phenol-d6	6.569	99	791440	94.978	ng	0.00
23) Nitrobenzene-d5	7.516	82	516182	58.018	ng	0.00
42) 2,4,6-Tribromophenol	10.798	330	172667	89.535	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	914216	58.022	ng	0.00
79) Terphenyl-d14	13.092	244	718164	54.331	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.498	77	116	Below Cal	#	53
19) n-Nitroso-di-n-propyla...	7.516	70	72746	11.925	ng	# 75
25) Isophorone	7.516	82	515837	32.498	ng	# 68
32) Benzoic acid	7.910	122	352	5.235	ng	# 93
51) 2,6-Dinitrotoluene	10.004	165	30428	9.527	ng	# 15
57) 2,4-Dinitrotoluene	10.004	165	30428	7.572	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.792	198	296	4.790	ng	# 1
67) 4-Bromophenyl-phenylether	10.798	248	11925	2.731	ng	# 1
80) Butylbenzylphthalate	13.551	149	328	4.190	ng	# 20
84) Bis(2-ethylhexyl)phtha...	14.127	149	1966	3.962	ng	# 86
85) Di-n-octyl phthalate	14.757	149	272	3.927	ng	# 65

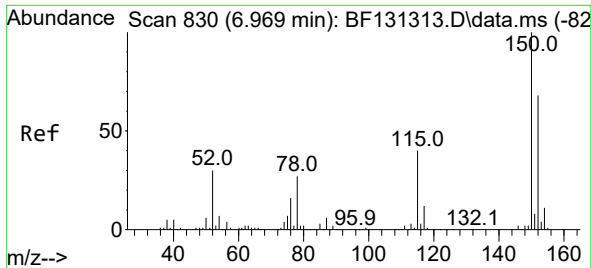
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
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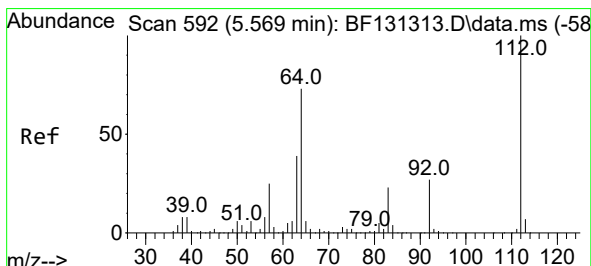
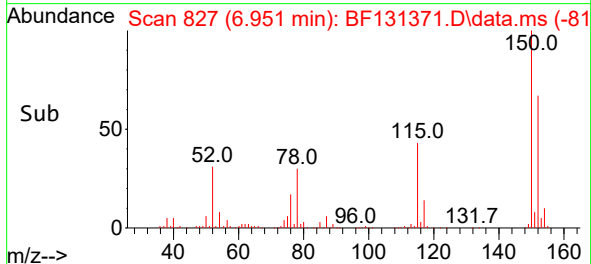
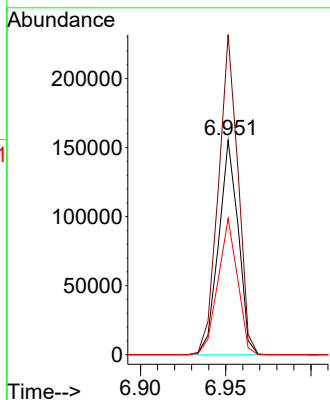
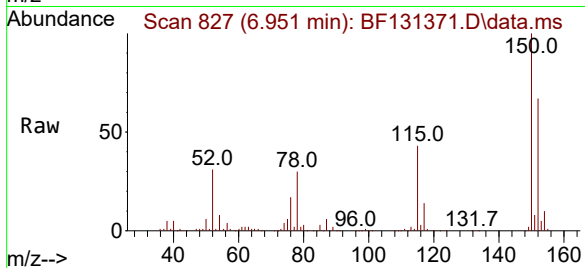




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.951 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131371.D
Acq: 23 Nov 2022 20:33

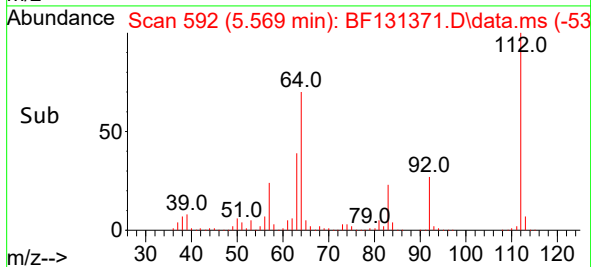
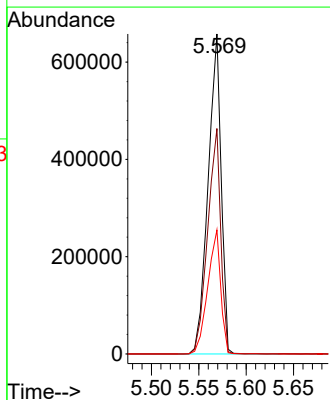
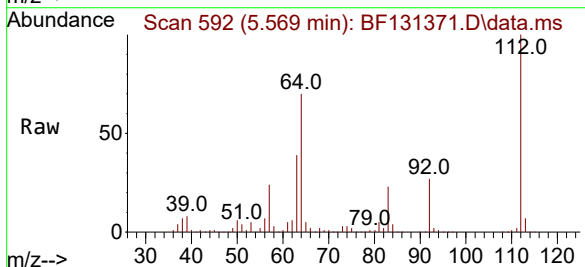
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-19

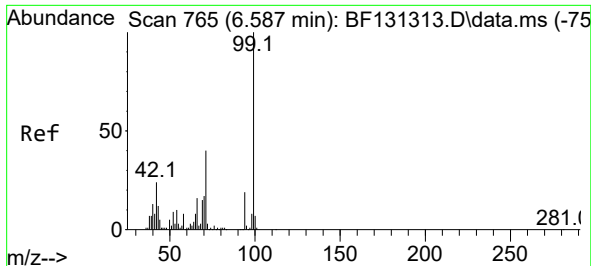
Tgt Ion:152 Resp: 124300
Ion Ratio Lower Upper
152 100
150 149.3 117.8 176.8
115 63.6 47.1 70.7



#5
2-Fluorophenol
Concen: 96.601 ng
RT: 5.569 min Scan# 592
Delta R.T. 0.012 min
Lab File: BF131371.D
Acq: 23 Nov 2022 20:33

Tgt Ion:112 Resp: 630908
Ion Ratio Lower Upper
112 100
64 70.5 58.6 88.0
63 38.7 31.4 47.0

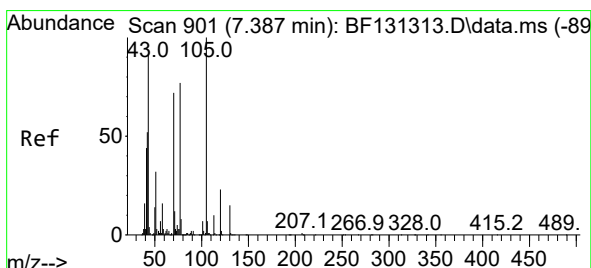
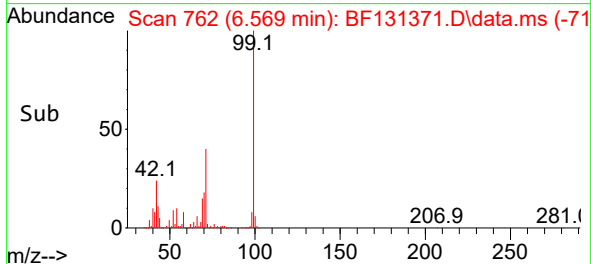
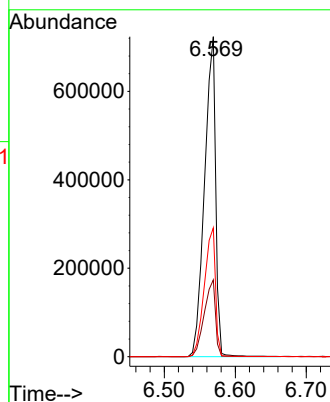
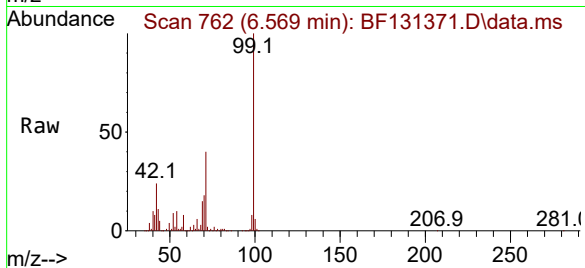




#7
Phenol-d6
Concen: 94.978 ng
RT: 6.569 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF131371.D
Acq: 23 Nov 2022 20:33

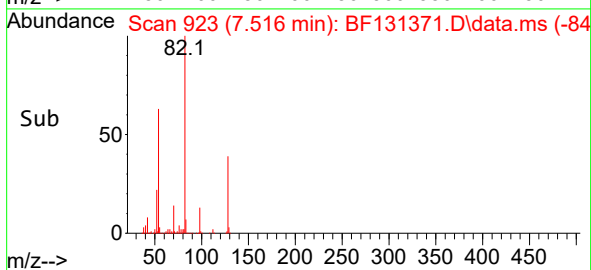
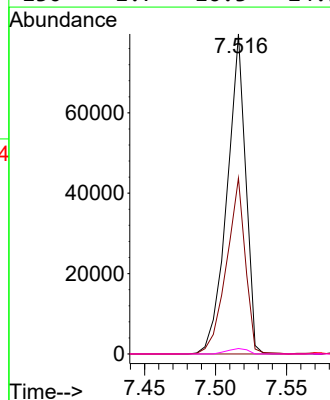
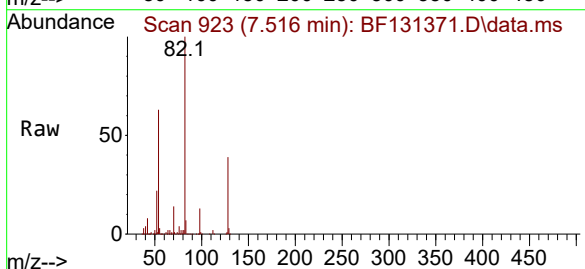
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-19

Tgt Ion: 99 Resp: 791440
Ion Ratio Lower Upper
99 100
42 24.0 19.4 29.2
71 40.3 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 11.925 ng
RT: 7.516 min Scan# 923
Delta R.T. 0.147 min
Lab File: BF131371.D
Acq: 23 Nov 2022 20:33

Tgt Ion: 70 Resp: 72746
Ion Ratio Lower Upper
70 100
42 55.0 57.6 86.4#
101 0.0 8.2 12.2#
130 1.7 16.3 24.5#

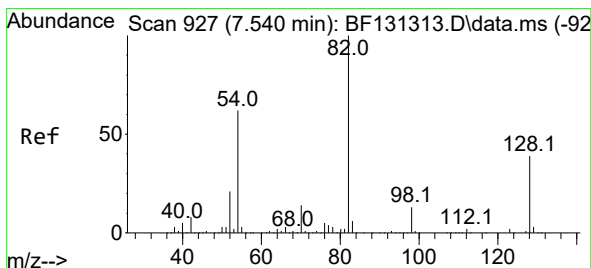
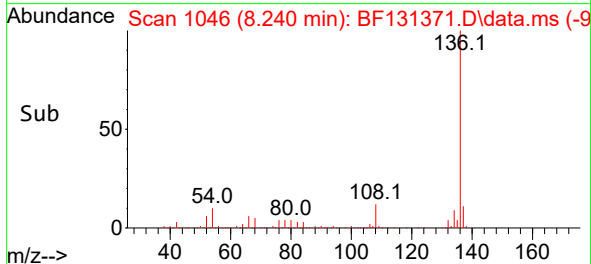
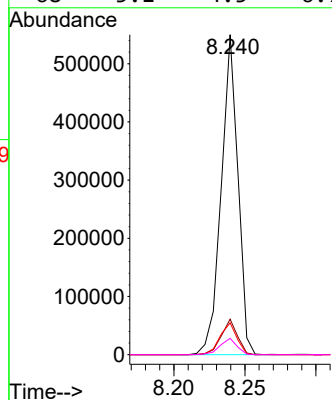
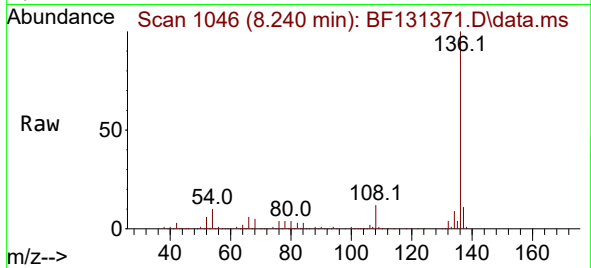




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.240 min Scan# 1049
Delta R.T. -0.006 min
Lab File: BF131371.D
Acq: 23 Nov 2022 20:33

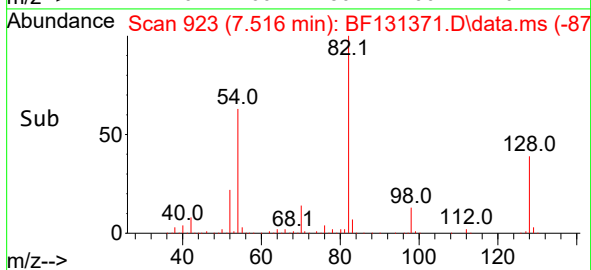
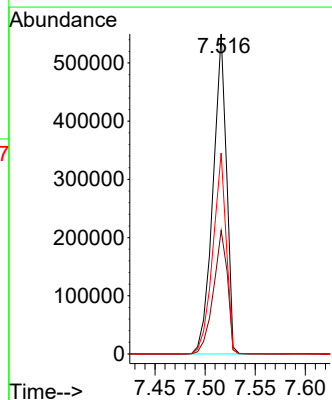
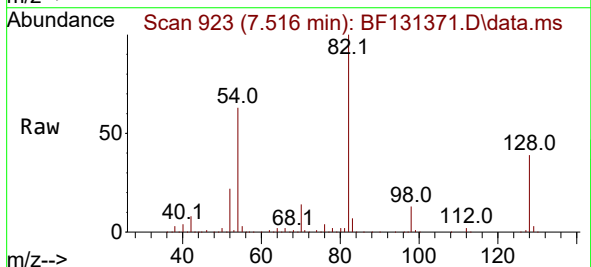
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-19

Tgt Ion:136 Resp: 448484
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 9.9 9.4 14.0
68 5.1 4.5 6.7



#23
Nitrobenzene-d5
Concen: 58.018 ng
RT: 7.516 min Scan# 923
Delta R.T. -0.006 min
Lab File: BF131371.D
Acq: 23 Nov 2022 20:33

Tgt Ion: 82 Resp: 516182
Ion Ratio Lower Upper
82 100
128 38.6 31.4 47.0
54 62.8 49.8 74.6

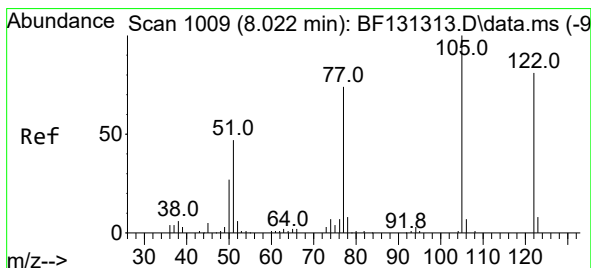
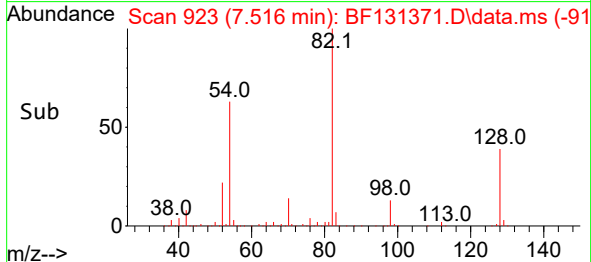
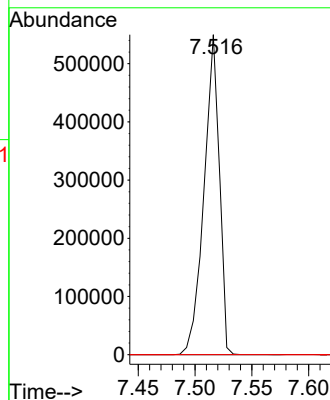
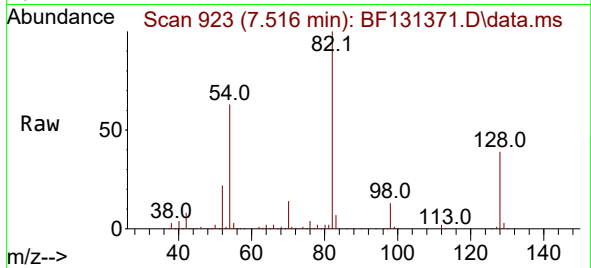




#25
Isophorone
Concen: 32.498 ng
RT: 7.516 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF131371.D
Acq: 23 Nov 2022 20:33

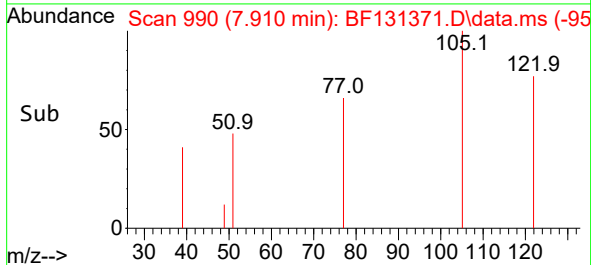
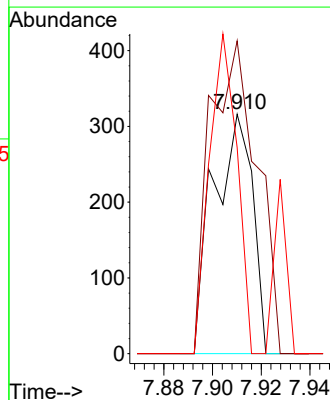
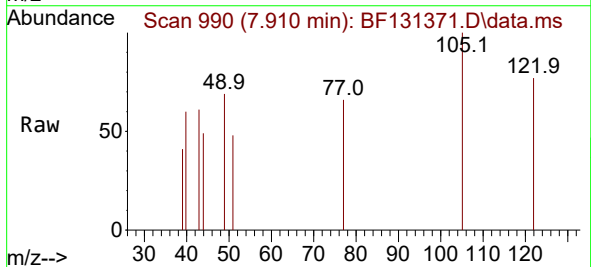
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-19

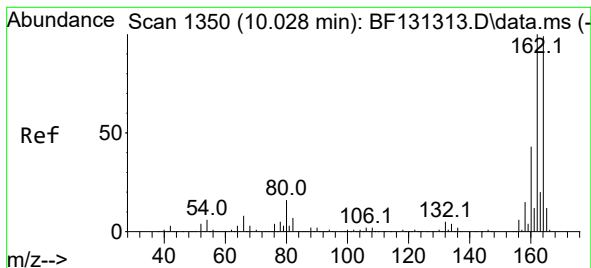
Tgt Ion: 82 Resp: 515837
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.7 19.1#



#32
Benzoic acid
Concen: 5.235 ng
RT: 7.910 min Scan# 990
Delta R.T. -0.088 min
Lab File: BF131371.D
Acq: 23 Nov 2022 20:33

Tgt Ion: 122 Resp: 352
Ion Ratio Lower Upper
122 100
105 130.7 103.8 143.8
77 86.1 74.3 114.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131371.D

Acq: 23 Nov 2022 20:33

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-19

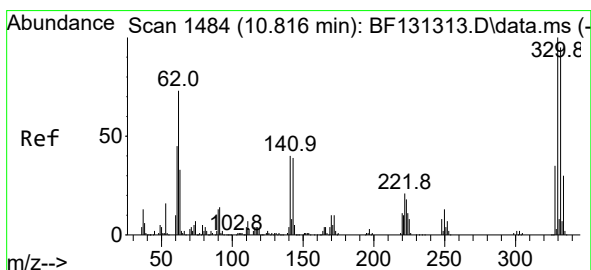
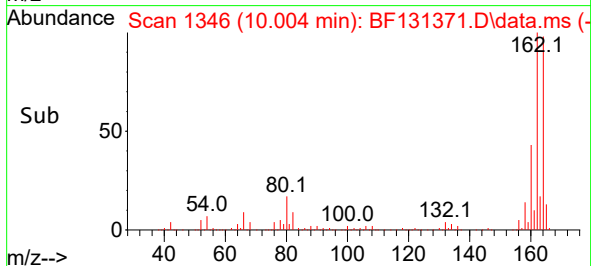
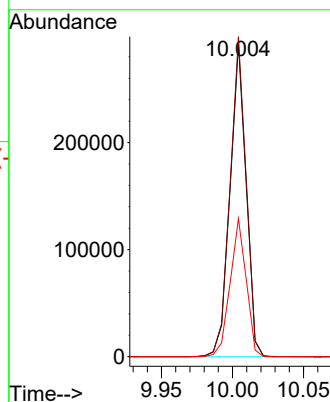
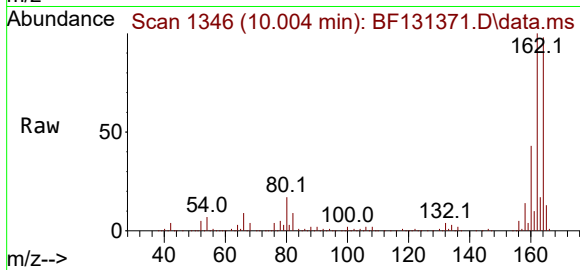
Tgt Ion:164 Resp: 229225

Ion Ratio Lower Upper

164 100

162 102.3 80.6 120.8

160 44.1 34.4 51.6



#42

2,4,6-Tribromophenol

Concen: 89.535 ng

RT: 10.798 min Scan# 1481

Delta R.T. -0.006 min

Lab File: BF131371.D

Acq: 23 Nov 2022 20:33

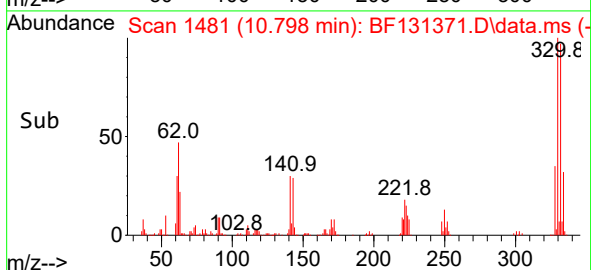
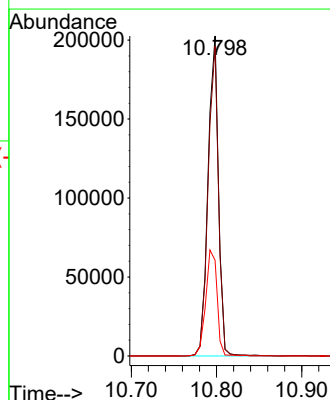
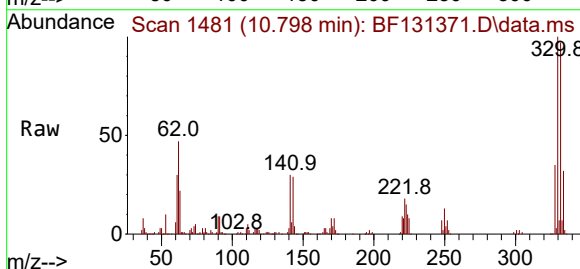
Tgt Ion:330 Resp: 172667

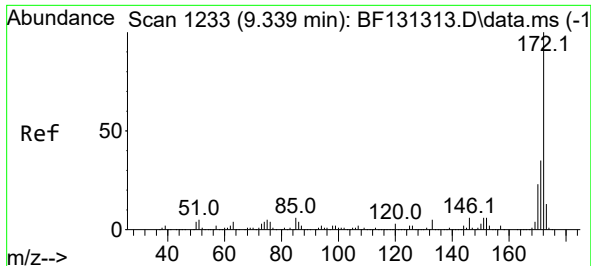
Ion Ratio Lower Upper

330 100

332 96.2 77.5 116.3

141 35.9 29.3 43.9

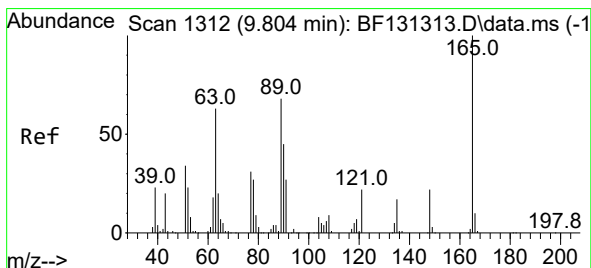
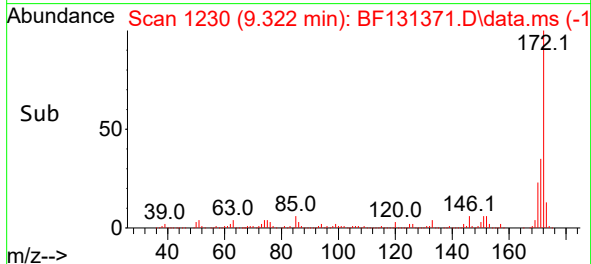
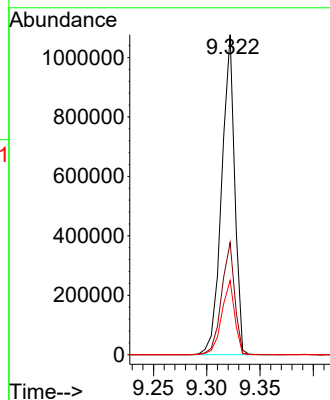
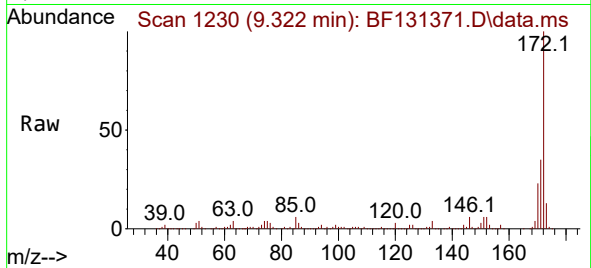




#45
2-Fluorobiphenyl
Concen: 58.022 ng
RT: 9.322 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131371.D
Acq: 23 Nov 2022 20:33

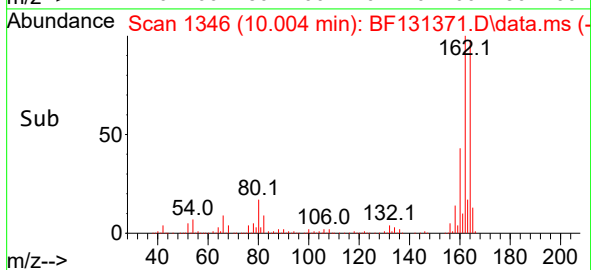
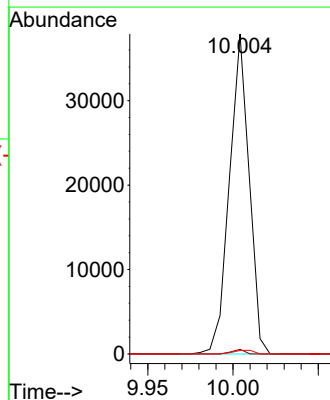
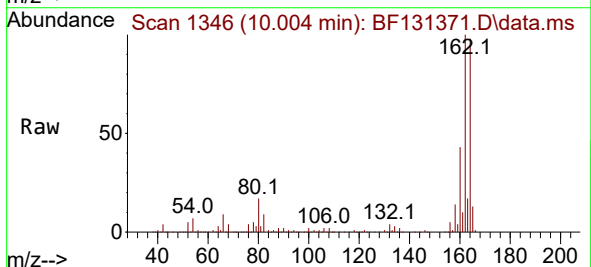
Instrument :
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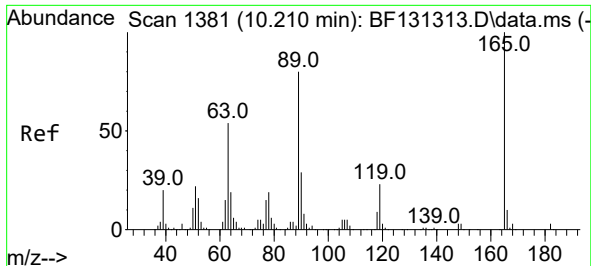
Tgt Ion:172 Resp: 914216
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.2
170 23.2 18.7 28.1



#51
2,6-Dinitrotoluene
Concen: 9.527 ng
RT: 10.004 min Scan# 1346
Delta R.T. 0.212 min
Lab File: BF131371.D
Acq: 23 Nov 2022 20:33

Tgt Ion:165 Resp: 30428
Ion Ratio Lower Upper
165 100
63 1.5 62.0 93.0#
89 1.1 54.4 81.6#

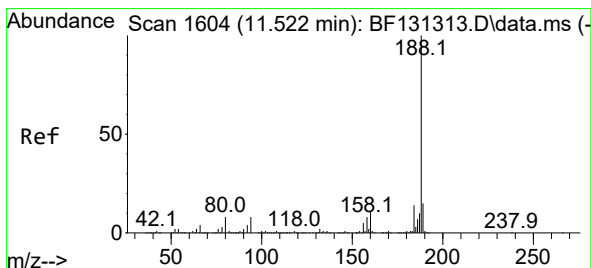
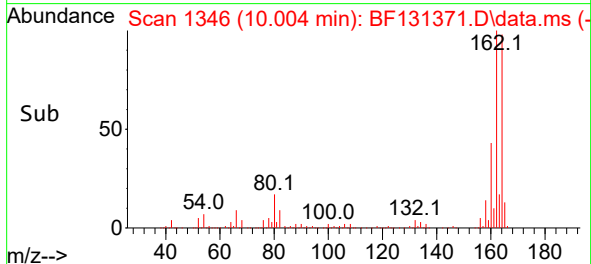
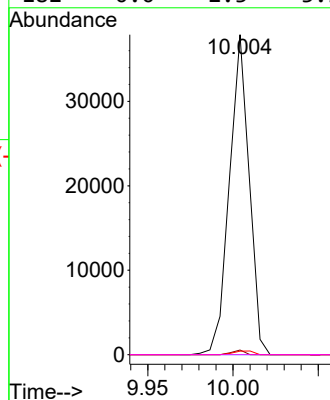
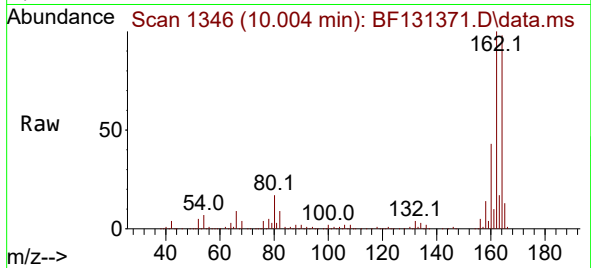




#57
2,4-Dinitrotoluene
Concen: 7.572 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF131371.D
Acq: 23 Nov 2022 20:33

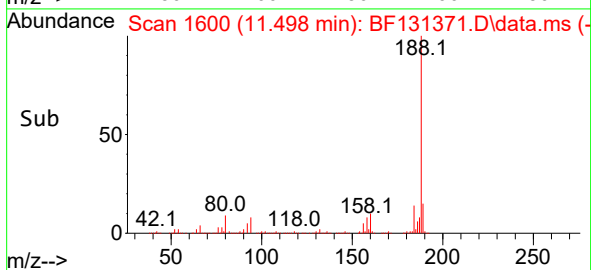
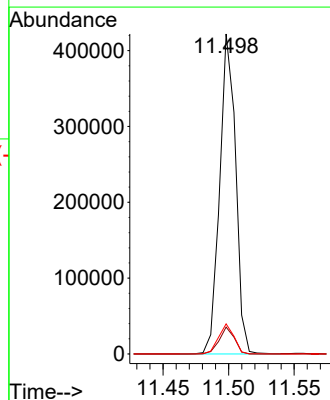
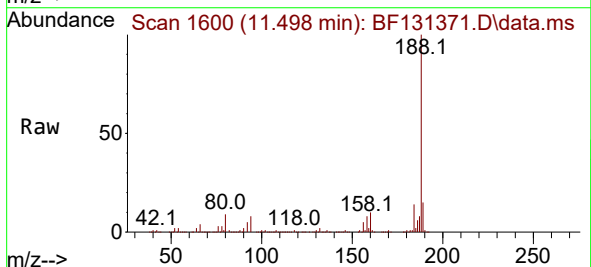
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-19

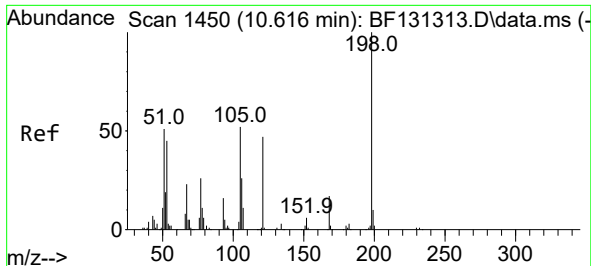
Tgt Ion:165 Resp: 30428
Ion Ratio Lower Upper
165 100
63 1.5 43.4 65.2#
89 1.1 64.0 96.0#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 1600
Delta R.T. -0.006 min
Lab File: BF131371.D
Acq: 23 Nov 2022 20:33

Tgt Ion:188 Resp: 356211
Ion Ratio Lower Upper
188 100
94 8.4 6.3 9.5
80 9.4 6.8 10.2

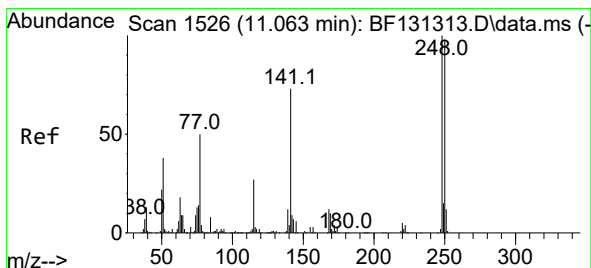
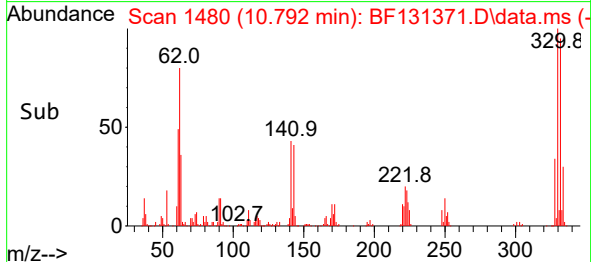
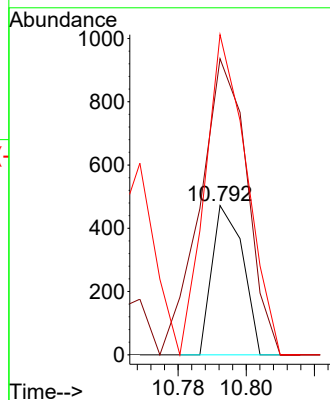
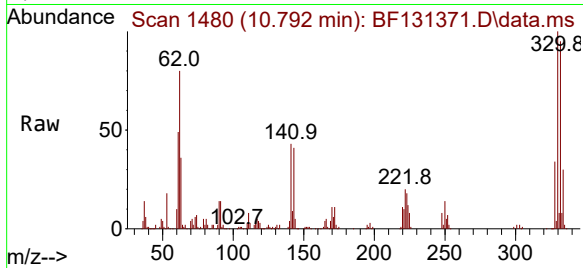




#65
4,6-Dinitro-2-methylphenol
Concen: 4.790 ng
RT: 10.792 min Scan# 1450
Delta R.T. 0.188 min
Lab File: BF131371.D
Acq: 23 Nov 2022 20:33

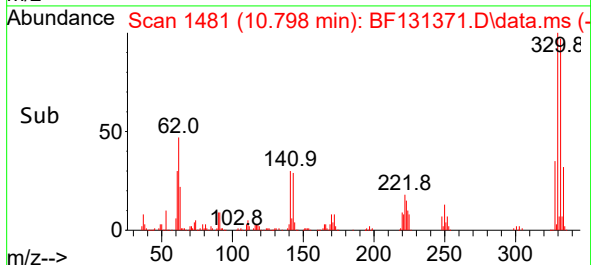
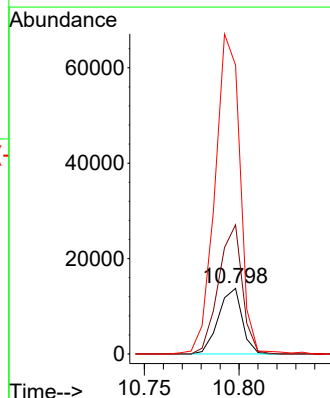
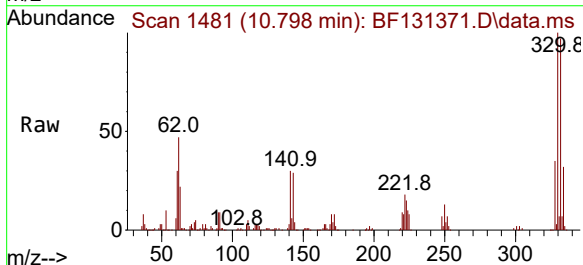
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-19

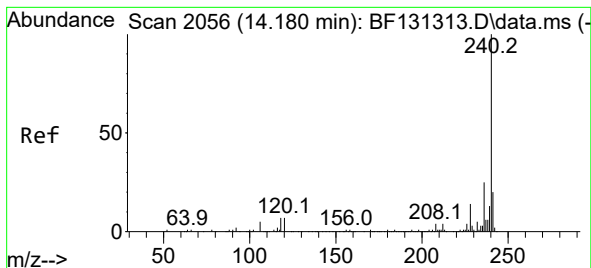
Tgt Ion:198 Resp: 296
Ion Ratio Lower Upper
198 100
51 198.3 50.1 90.1#
105 214.4 32.5 72.5#



#67
4-Bromophenyl-phenylether
Concen: 2.731 ng
RT: 10.798 min Scan# 1481
Delta R.T. -0.247 min
Lab File: BF131371.D
Acq: 23 Nov 2022 20:33

Tgt Ion:248 Resp: 11925
Ion Ratio Lower Upper
248 100
250 196.8 78.3 117.5#
141 440.1 58.0 87.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.157 min Scan# 2052

Delta R.T. -0.006 min

Lab File: BF131371.D

Acq: 23 Nov 2022 20:33

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-19

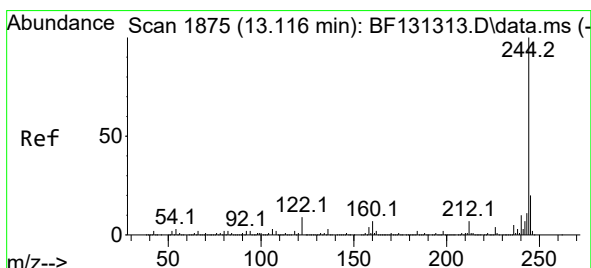
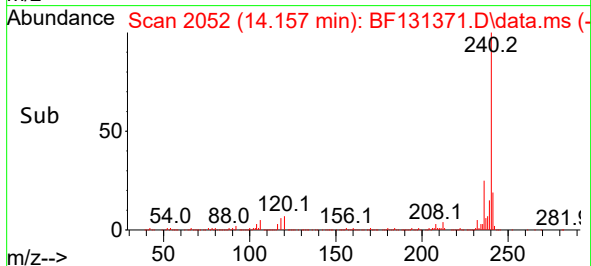
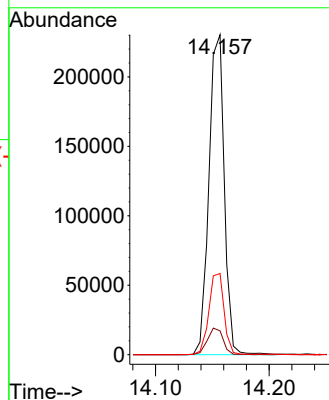
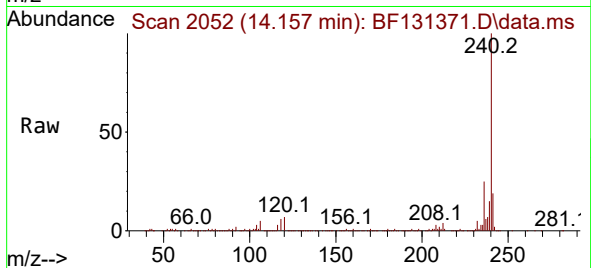
Tgt Ion:240 Resp: 216155

Ion Ratio Lower Upper

240 100

120 7.4 5.8 8.8

236 25.4 20.3 30.5



#79

Terphenyl-d14

Concen: 54.331 ng

RT: 13.092 min Scan# 1871

Delta R.T. -0.006 min

Lab File: BF131371.D

Acq: 23 Nov 2022 20:33

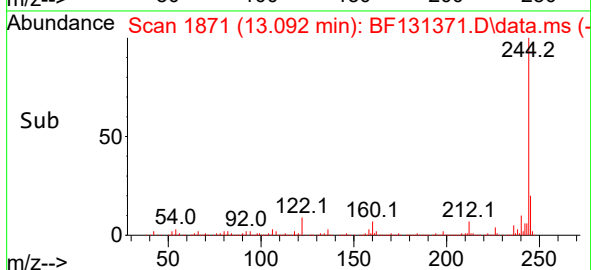
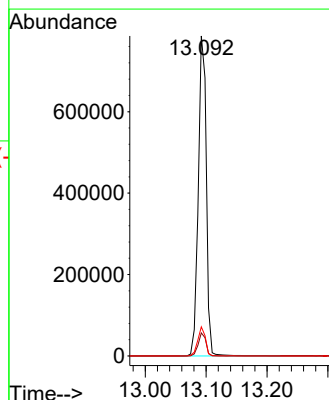
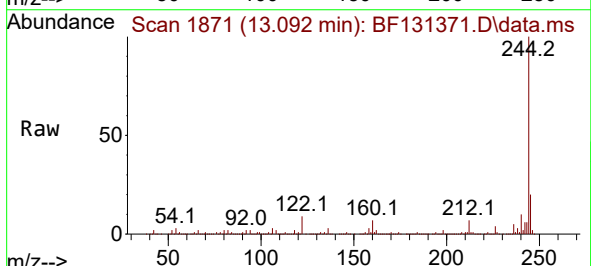
Tgt Ion:244 Resp: 718164

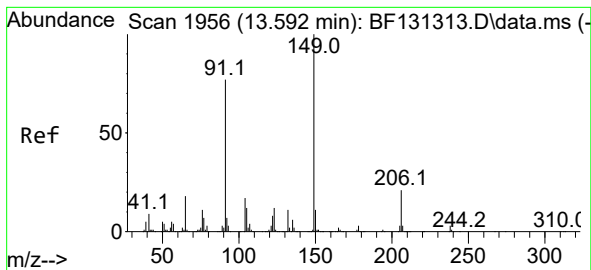
Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

122 9.1 7.5 11.3

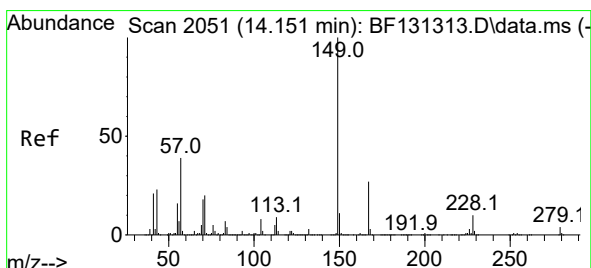
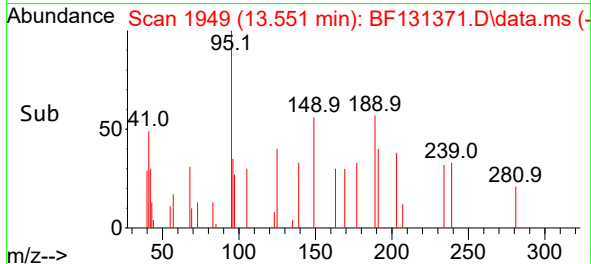
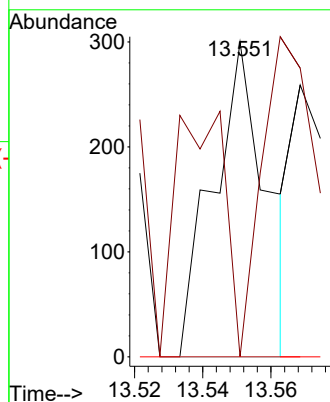
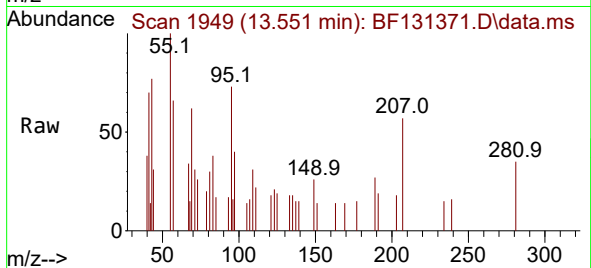




#80
 Butylbenzylphthalate
 Concen: 4.190 ng
 RT: 13.551 min Scan# 1956
 Delta R.T. -0.024 min
 Lab File: BF131371.D
 Acq: 23 Nov 2022 20:33

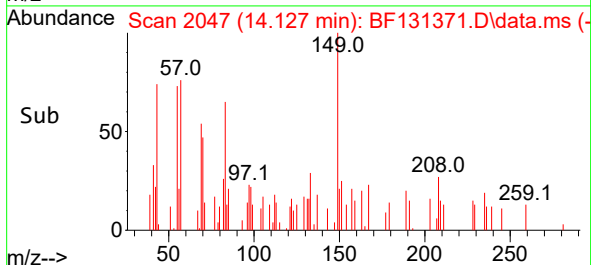
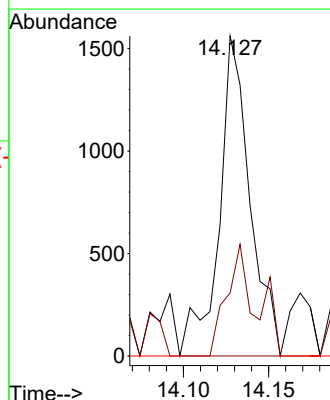
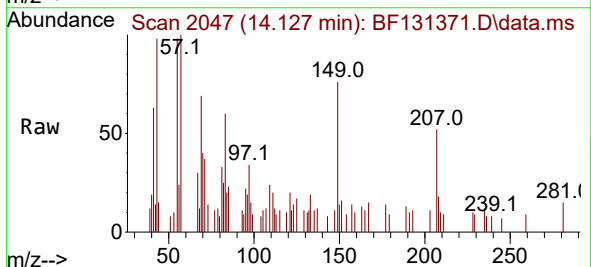
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-19

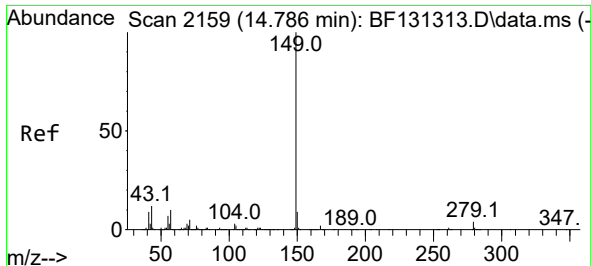
Tgt Ion:149 Resp: 328
 Ion Ratio Lower Upper
 149 100
 91 0.0 61.9 92.9#
 206 0.0 16.5 24.7#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.962 ng
 RT: 14.127 min Scan# 2047
 Delta R.T. -0.006 min
 Lab File: BF131371.D
 Acq: 23 Nov 2022 20:33

Tgt Ion:149 Resp: 1966
 Ion Ratio Lower Upper
 149 100
 167 19.7 21.9 32.9#
 279 0.0 3.0 4.4#

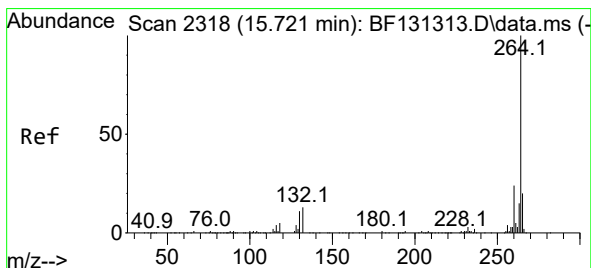
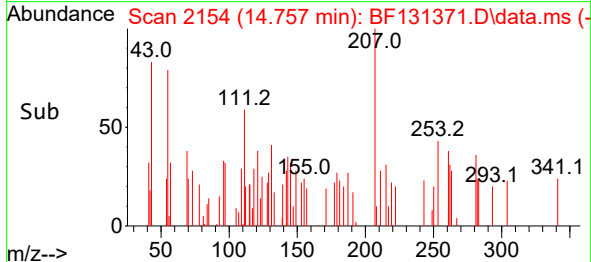
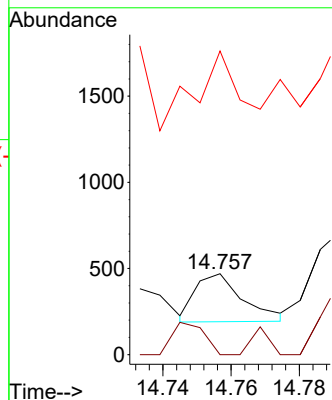
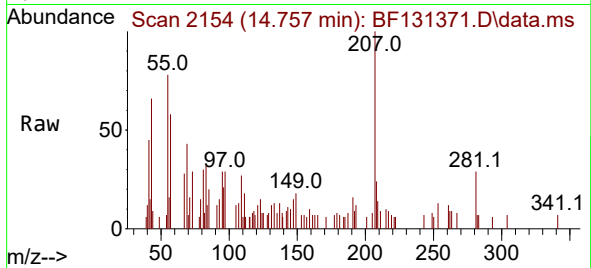




#85
Di-n-octyl phthalate
Concen: 3.927 ng
RT: 14.757 min Scan# 2154
Delta R.T. -0.006 min
Lab File: BF131371.D
Acq: 23 Nov 2022 20:33

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-19

Tgt Ion:149 Resp: 272
Ion Ratio Lower Upper
149 100
167 21.0 1.2 1.8#
43 0.0 10.7 16.1#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.692 min Scan# 2313
Delta R.T. -0.000 min
Lab File: BF131371.D
Acq: 23 Nov 2022 20:33

Tgt Ion:264 Resp: 207180
Ion Ratio Lower Upper
264 100
260 23.7 19.0 28.4
265 21.1 16.4 24.6

