

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
 Data File : BF131370.D
 Acq On : 23 Nov 2022 20:00
 Operator : CG\JU
 Sample : N5642-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-22

Quant Time: Nov 24 05:57:24 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)

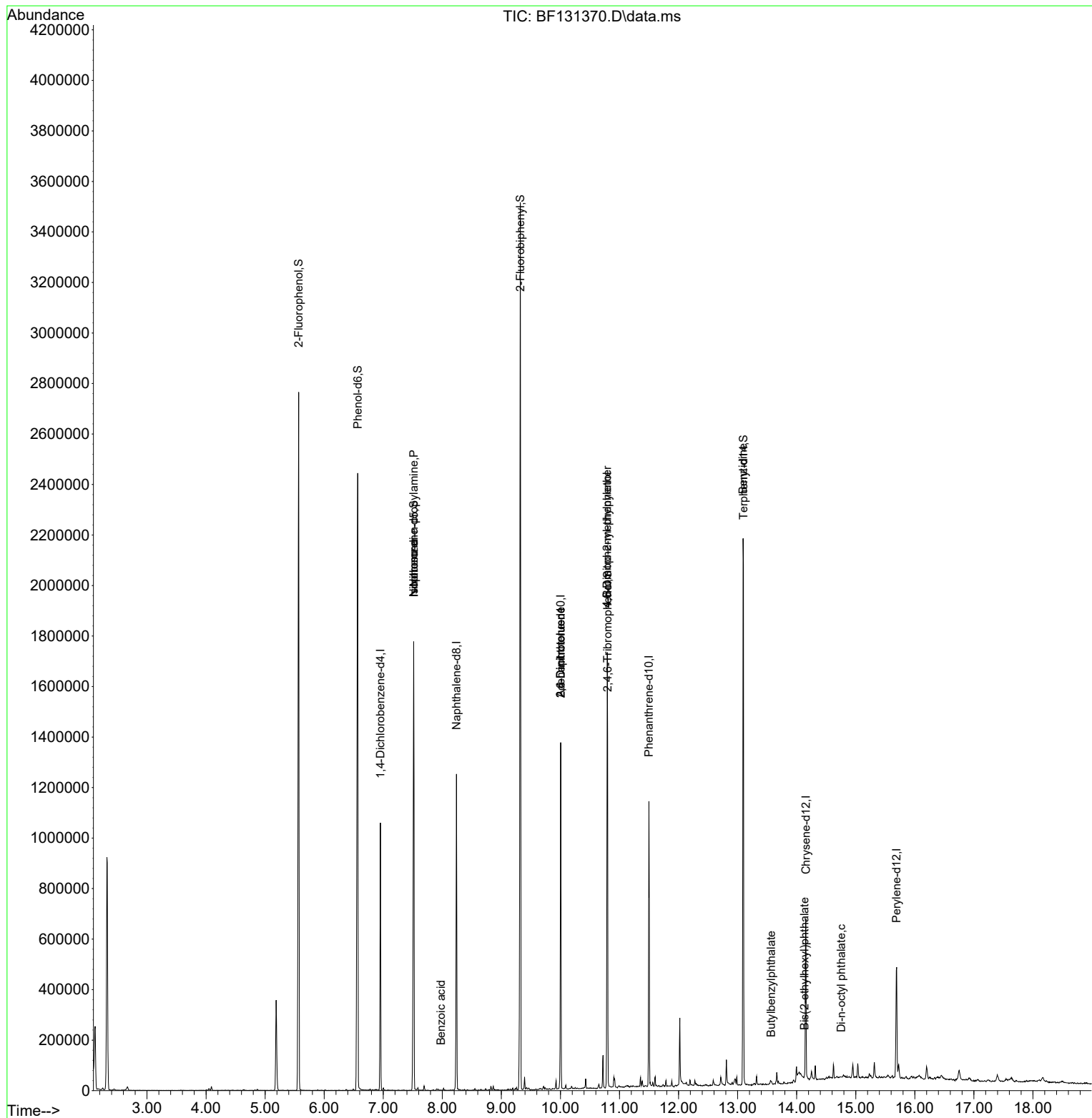
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	139320	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	493986	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	254738	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	388644	20.000	ng	0.00
76) Chrysene-d12	14.157	240	226871	20.000	ng	0.00
86) Perylene-d12	15.692	264	214168	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	700730	95.725	ng	0.01
7) Phenol-d6	6.569	99	879662	94.184	ng	0.00
23) Nitrobenzene-d5	7.516	82	593021	60.515	ng	0.00
42) 2,4,6-Tribromophenol	10.798	330	183032	85.404	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1049853	59.958	ng	0.00
79) Terphenyl-d14	13.098	244	797120	57.456	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.504	77	318	Below Cal		89
19) n-Nitroso-di-n-propyla...	7.516	70	83462	12.207 ng	#	74
25) Isophorone	7.516	82	591003	33.804 ng	#	68
32) Benzoic acid	7.975	122	64	5.144 ng	#	31
51) 2,6-Dinitrotoluene	10.004	165	33145	9.338 ng	#	15
57) 2,4-Dinitrotoluene	10.004	165	33145	7.422 ng	#	19
65) 4,6-Dinitro-2-methylph...	10.792	198	519	4.922 ng	#	1
67) 4-Bromophenyl-phenylether	10.792	248	12593	2.644 ng	#	1
77) Benzidine	13.092	184	10743	2.564 ng	#	92
80) Butylbenzylphthalate	13.568	149	341	4.190 ng	#	52
84) Bis(2-ethylhexyl)phtha...	14.133	149	2496	4.006 ng	#	97
85) Di-n-octyl phthalate	14.757	149	220	3.921 ng	#	1

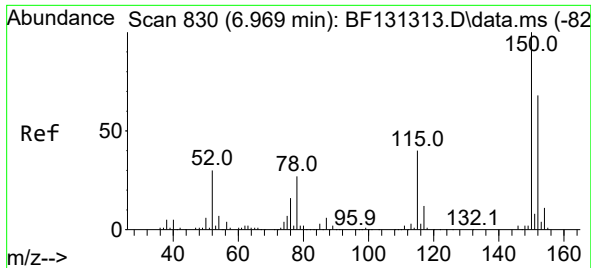
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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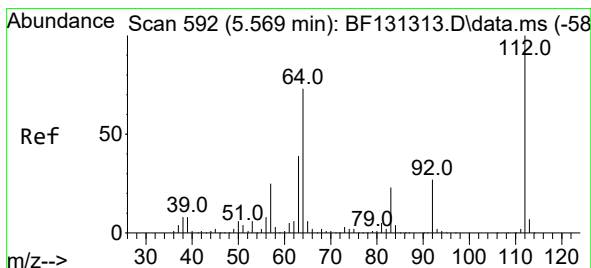
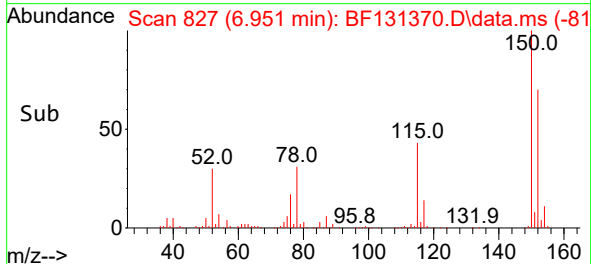
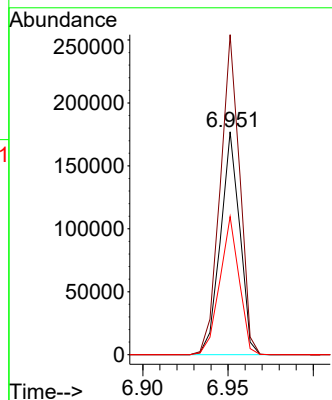
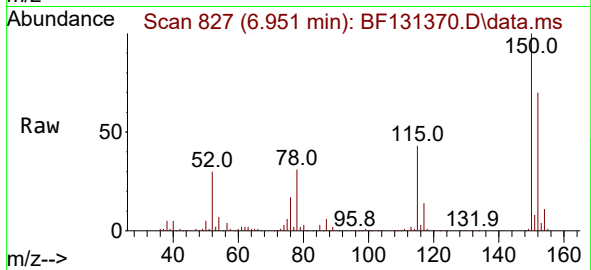




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.951 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131370.D
Acq: 23 Nov 2022 20:00

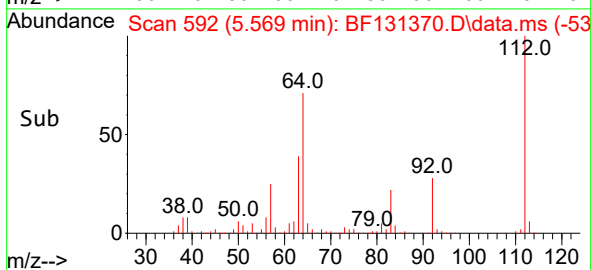
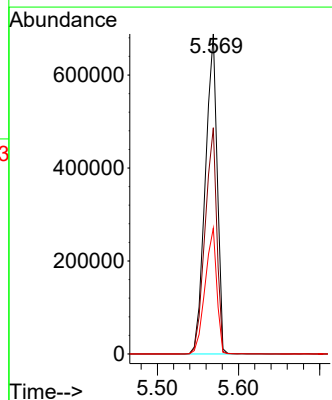
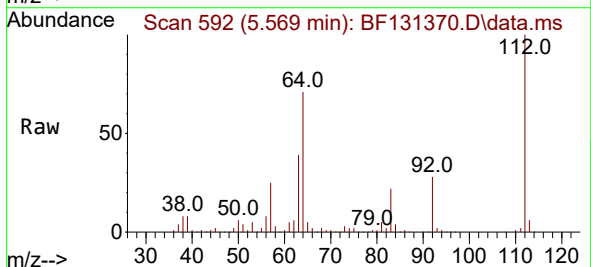
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-22

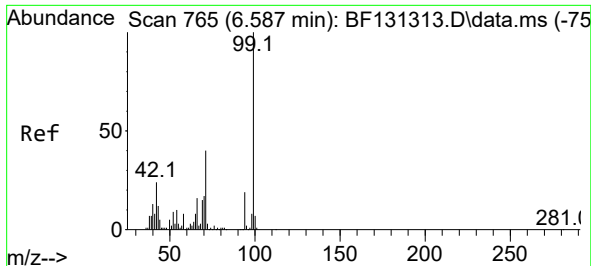
Tgt Ion:152 Resp: 139320
Ion Ratio Lower Upper
152 100
150 143.5 117.8 176.8
115 61.9 47.1 70.7



#5
2-Fluorophenol
Concen: 95.725 ng
RT: 5.569 min Scan# 592
Delta R.T. 0.012 min
Lab File: BF131370.D
Acq: 23 Nov 2022 20:00

Tgt Ion:112 Resp: 700730
Ion Ratio Lower Upper
112 100
64 70.7 58.6 88.0
63 39.3 31.4 47.0

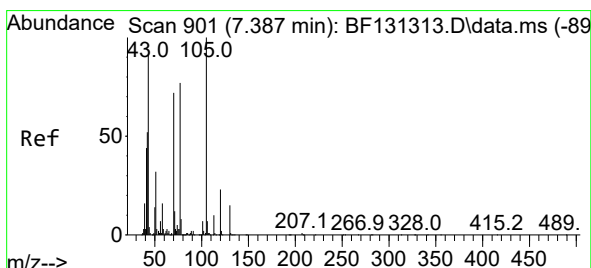
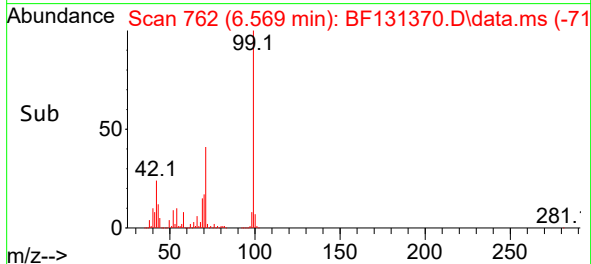
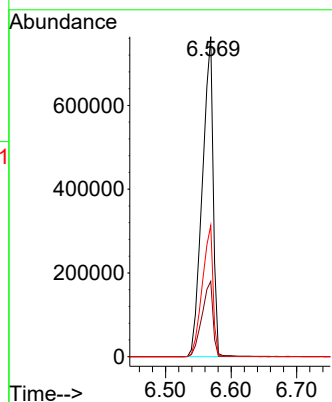
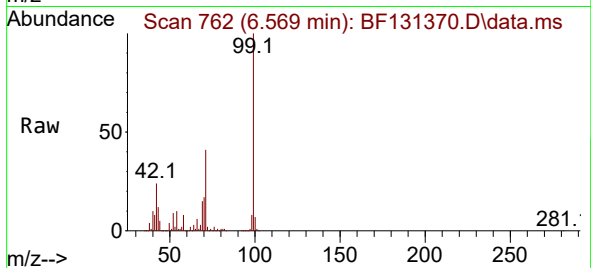




#7
Phenol-d6
Concen: 94.184 ng
RT: 6.569 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF131370.D
Acq: 23 Nov 2022 20:00

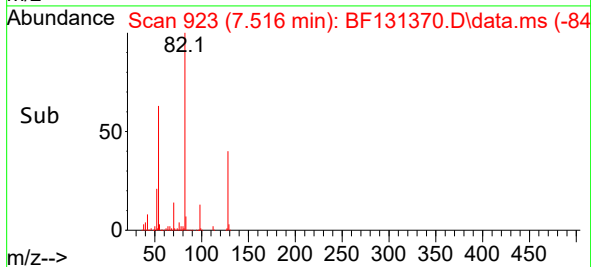
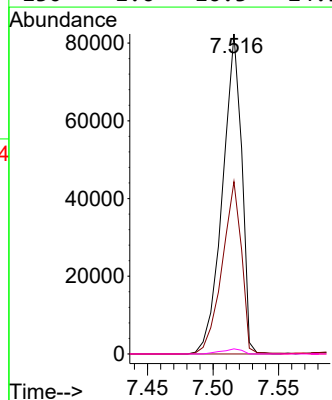
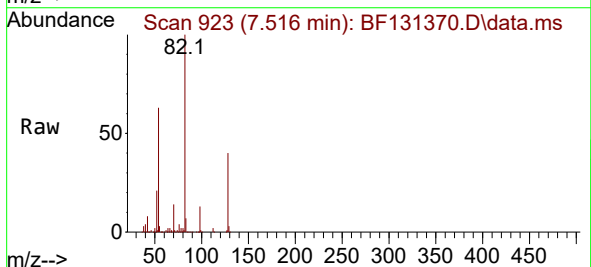
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-22

Tgt Ion: 99 Resp: 879662
Ion Ratio Lower Upper
99 100
42 23.6 19.4 29.2
71 41.0 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 12.207 ng
RT: 7.516 min Scan# 923
Delta R.T. 0.147 min
Lab File: BF131370.D
Acq: 23 Nov 2022 20:00

Tgt Ion: 70 Resp: 83462
Ion Ratio Lower Upper
70 100
42 53.9 57.6 86.4#
101 0.0 8.2 12.2#
130 1.6 16.3 24.5#

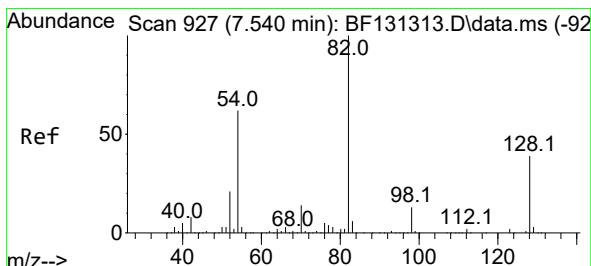
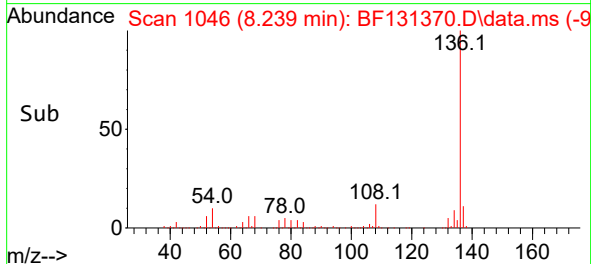
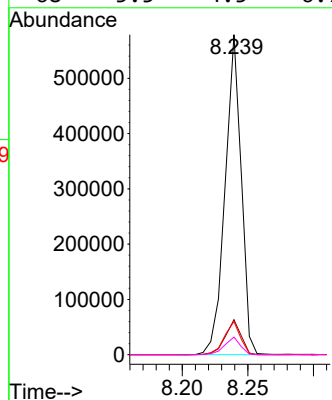
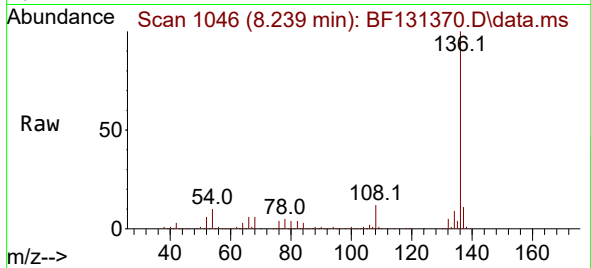




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BF131370.D
Acq: 23 Nov 2022 20:00

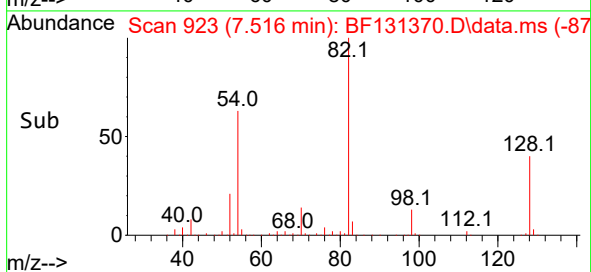
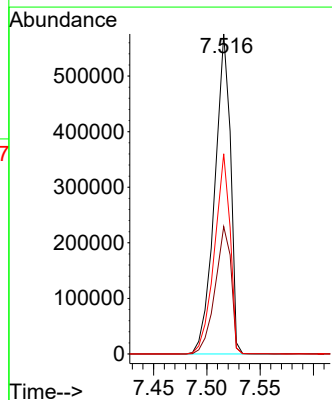
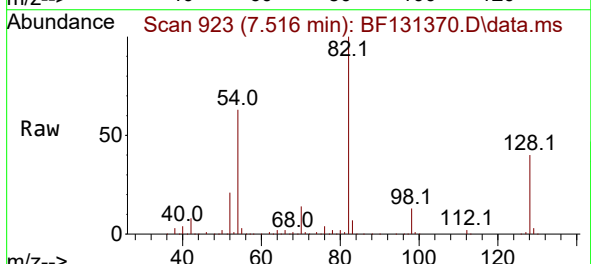
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-22

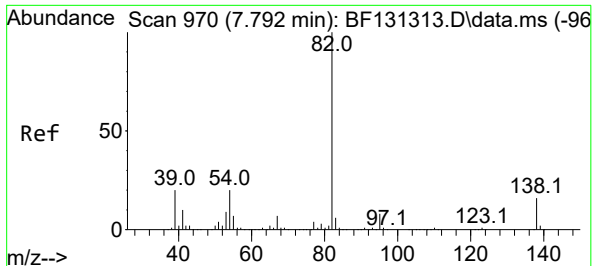
Tgt Ion:136 Resp: 493986
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 10.4 9.4 14.0
68 5.5 4.5 6.7



#23
Nitrobenzene-d5
Concen: 60.515 ng
RT: 7.516 min Scan# 923
Delta R.T. -0.006 min
Lab File: BF131370.D
Acq: 23 Nov 2022 20:00

Tgt Ion: 82 Resp: 593021
Ion Ratio Lower Upper
82 100
128 39.8 31.4 47.0
54 62.5 49.8 74.6

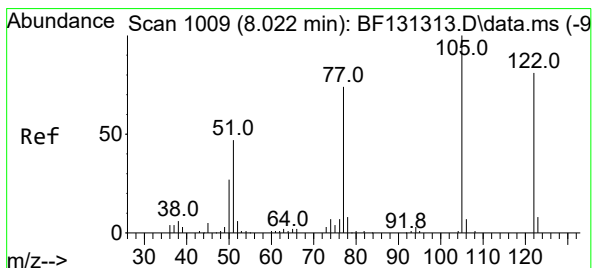
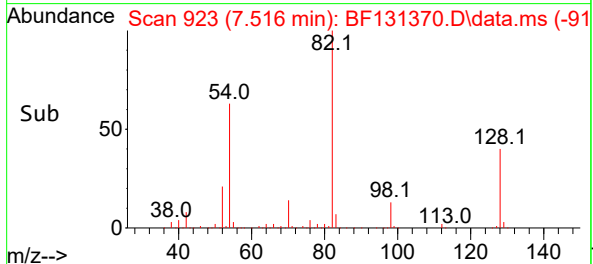
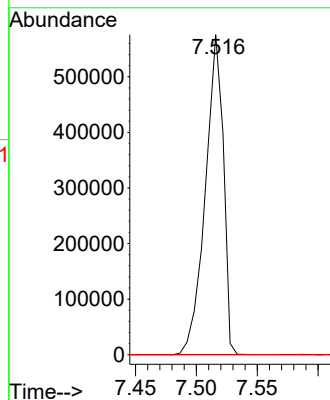
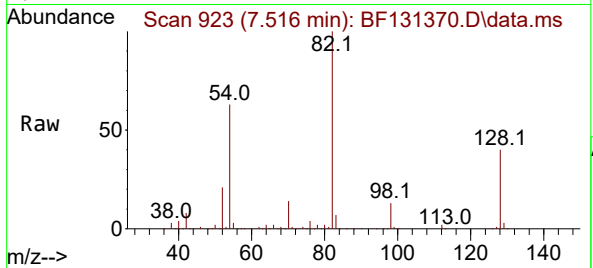




#25
Isophorone
Concen: 33.804 ng
RT: 7.516 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF131370.D
Acq: 23 Nov 2022 20:00

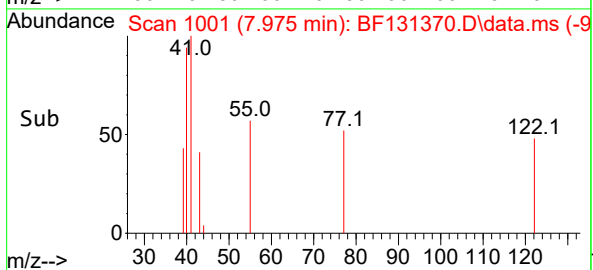
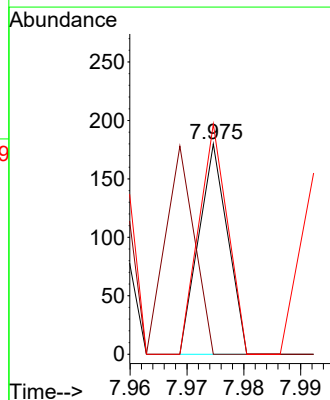
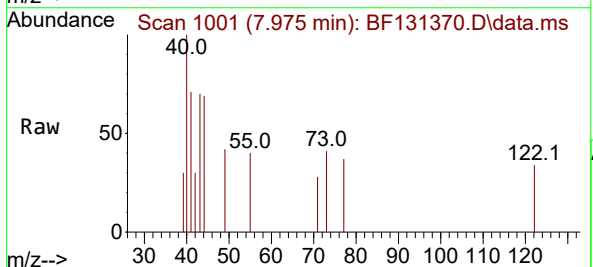
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-22

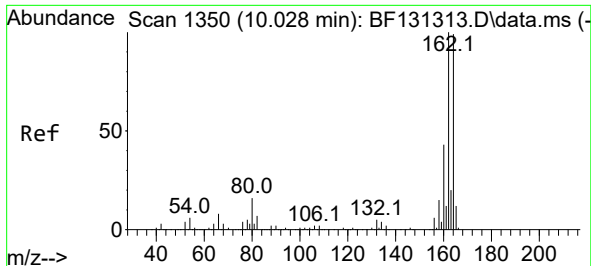
Tgt Ion: 82 Resp: 591003
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.7 19.1#



#32
Benzoic acid
Concen: 5.144 ng
RT: 7.975 min Scan# 1001
Delta R.T. -0.024 min
Lab File: BF131370.D
Acq: 23 Nov 2022 20:00

Tgt Ion: 122 Resp: 64
Ion Ratio Lower Upper
122 100
105 0.0 103.8 143.8#
77 109.4 74.3 114.3

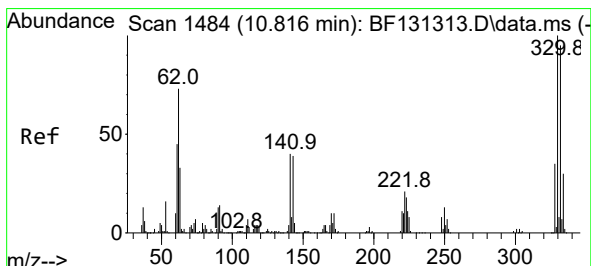
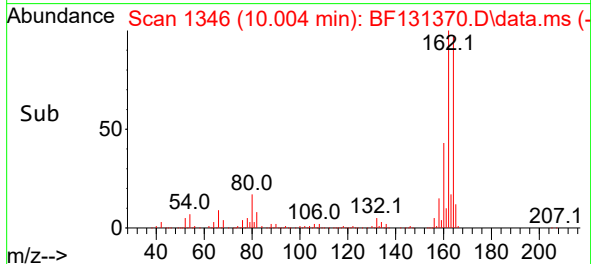
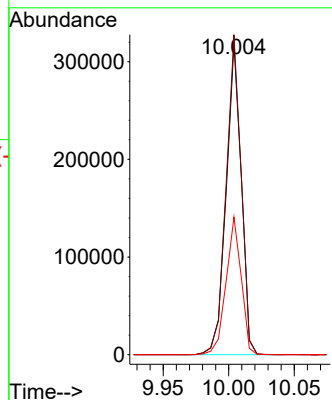
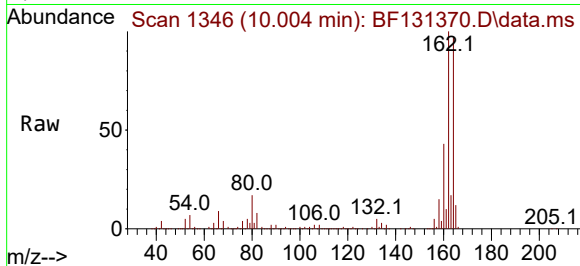




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF131370.D
Acq: 23 Nov 2022 20:00

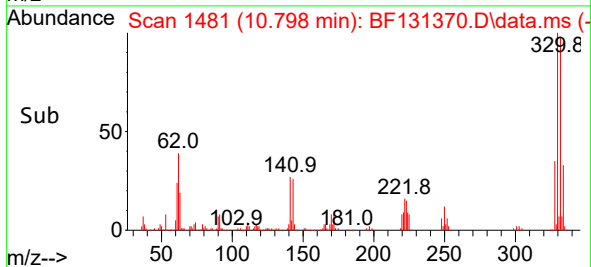
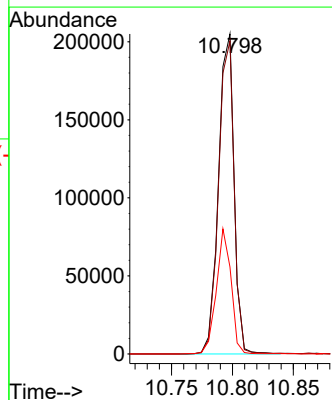
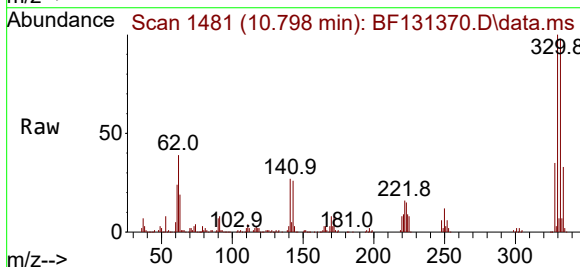
Instrument :
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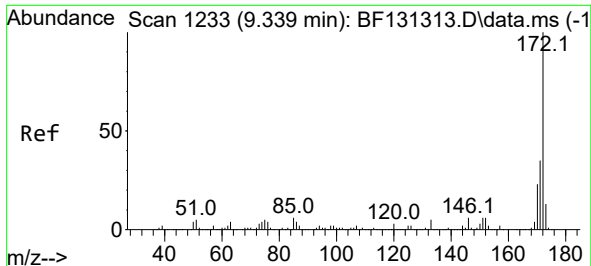
Tgt Ion:164 Resp: 254738
Ion Ratio Lower Upper
164 100
162 102.9 80.6 120.8
160 44.2 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 85.404 ng
RT: 10.798 min Scan# 1481
Delta R.T. -0.006 min
Lab File: BF131370.D
Acq: 23 Nov 2022 20:00

Tgt Ion:330 Resp: 183032
Ion Ratio Lower Upper
330 100
332 97.6 77.5 116.3
141 37.1 29.3 43.9

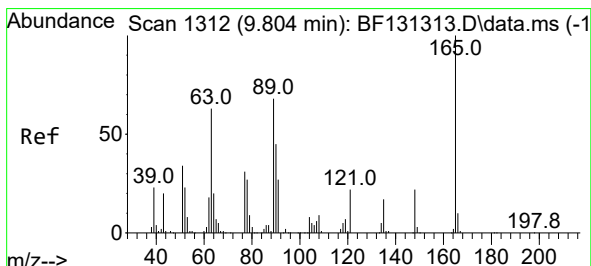
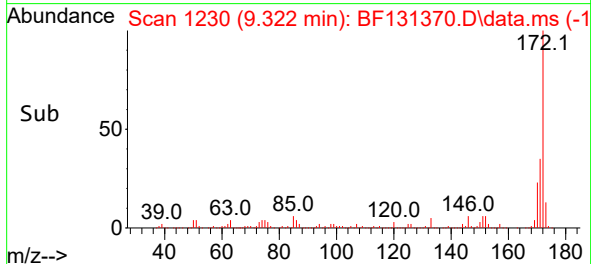
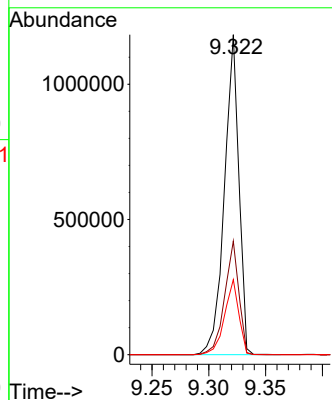
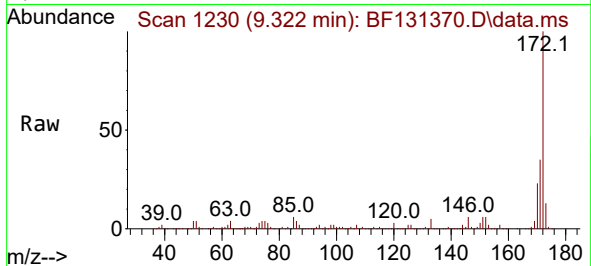




#45
2-Fluorobiphenyl
Concen: 59.958 ng
RT: 9.322 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131370.D
Acq: 23 Nov 2022 20:00

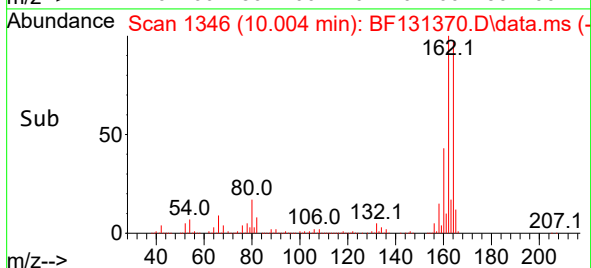
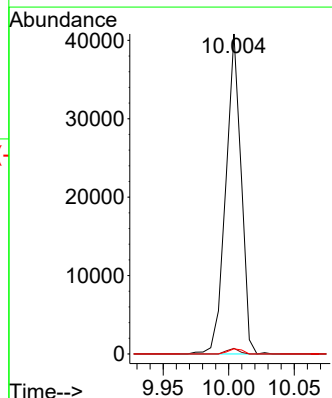
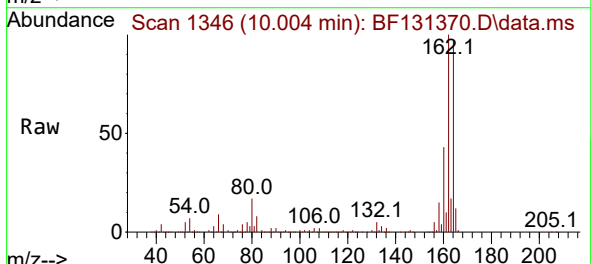
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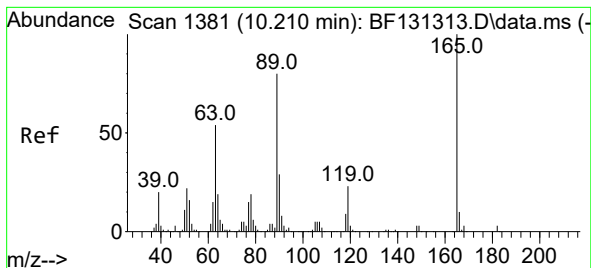
Tgt Ion:172 Resp: 1049853
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.2
170 23.5 18.7 28.1



#51
2,6-Dinitrotoluene
Concen: 9.338 ng
RT: 10.004 min Scan# 1346
Delta R.T. 0.212 min
Lab File: BF131370.D
Acq: 23 Nov 2022 20:00

Tgt Ion:165 Resp: 33145
Ion Ratio Lower Upper
165 100
63 1.7 62.0 93.0#
89 1.6 54.4 81.6#

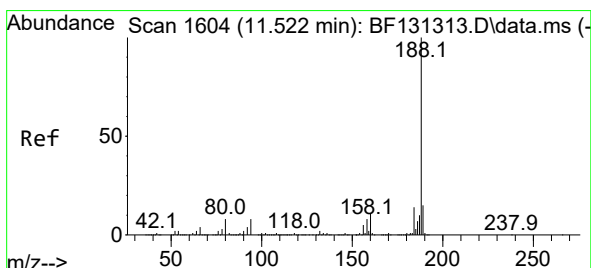
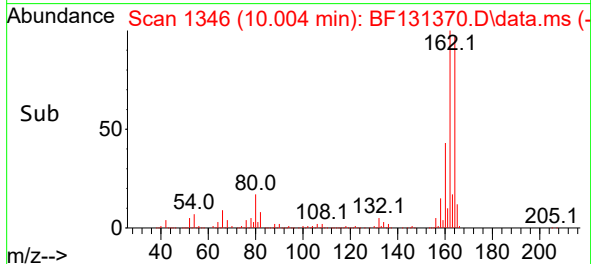
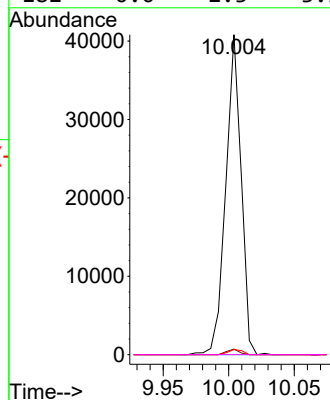
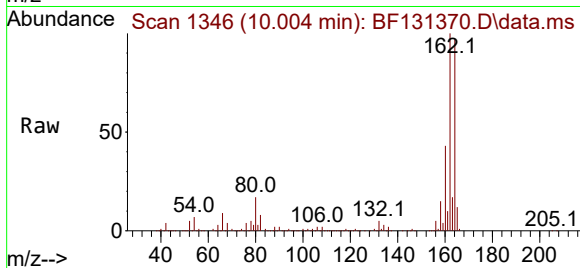




#57
2,4-Dinitrotoluene
Concen: 7.422 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF131370.D
Acq: 23 Nov 2022 20:00

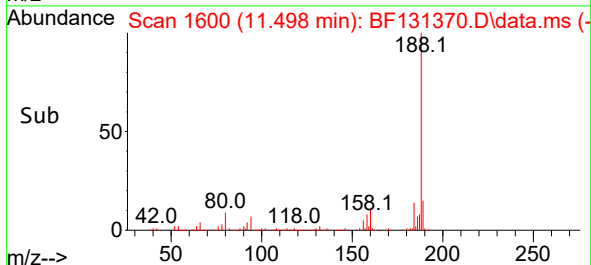
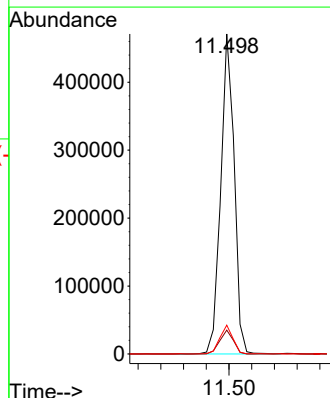
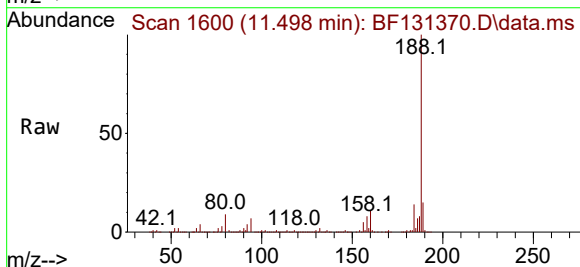
Instrument :
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ClientSampleId :
SOIL-PILE-22

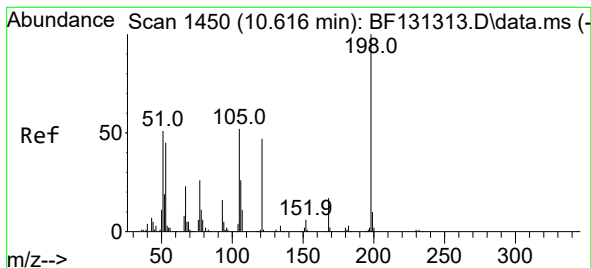
Tgt Ion:165 Resp: 33145
Ion Ratio Lower Upper
165 100
63 1.7 43.4 65.2#
89 1.6 64.0 96.0#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 1600
Delta R.T. -0.006 min
Lab File: BF131370.D
Acq: 23 Nov 2022 20:00

Tgt Ion:188 Resp: 388644
Ion Ratio Lower Upper
188 100
94 7.5 6.3 9.5
80 9.0 6.8 10.2

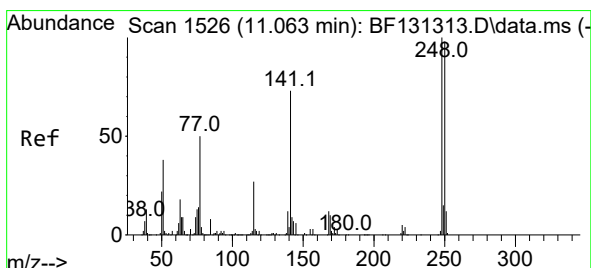
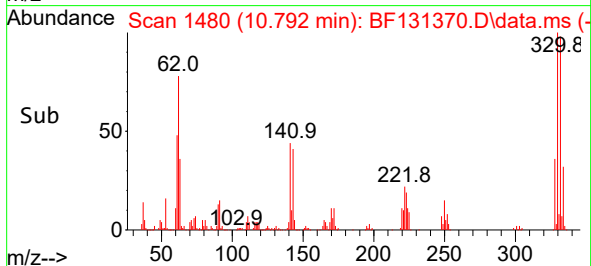
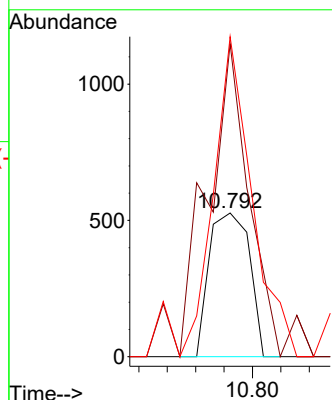
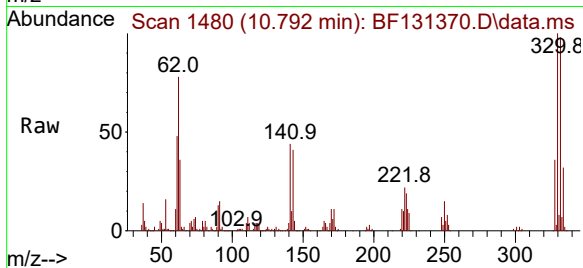




#65
4,6-Dinitro-2-methylphenol
Concen: 4.922 ng
RT: 10.792 min Scan# 1450
Delta R.T. 0.188 min
Lab File: BF131370.D
Acq: 23 Nov 2022 20:00

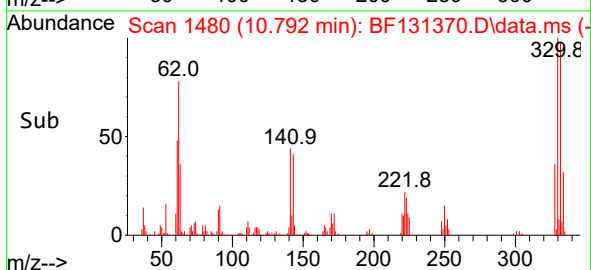
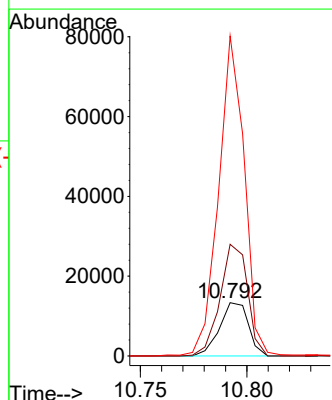
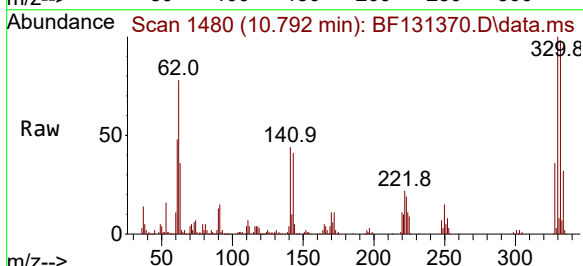
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-22

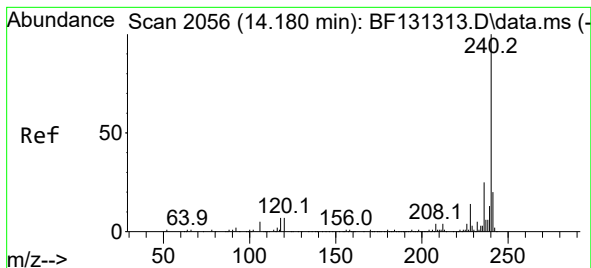
Tgt Ion:198 Resp: 519
Ion Ratio Lower Upper
198 100
51 217.8 50.1 90.1#
105 222.8 32.5 72.5#



#67
4-Bromophenyl-phenylether
Concen: 2.644 ng
RT: 10.792 min Scan# 1480
Delta R.T. -0.253 min
Lab File: BF131370.D
Acq: 23 Nov 2022 20:00

Tgt Ion:248 Resp: 12593
Ion Ratio Lower Upper
248 100
250 209.4 78.3 117.5#
141 600.4 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: BF131370.D

Acq: 23 Nov 2022 20:00

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-22

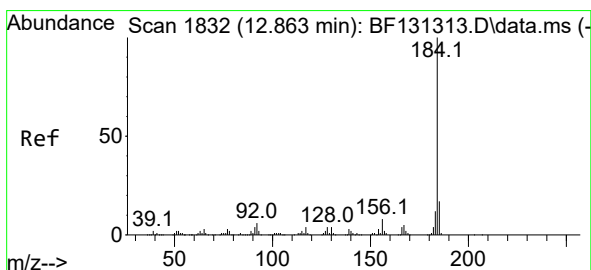
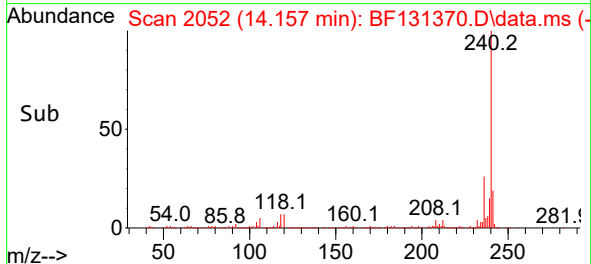
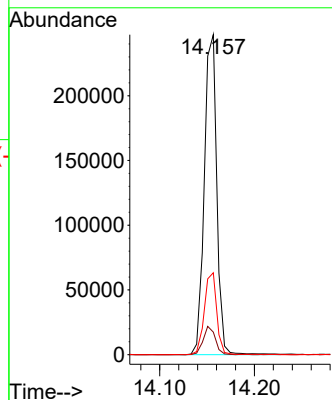
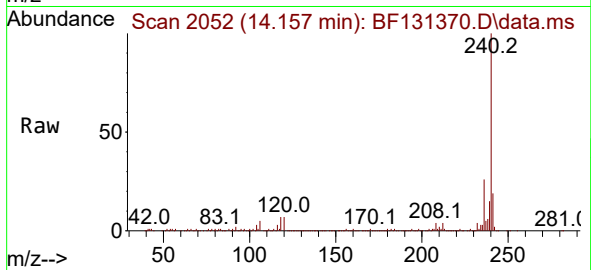
Tgt Ion:240 Resp: 226871

Ion Ratio Lower Upper

240 100

120 7.0 5.8 8.8

236 25.6 20.3 30.5



#77

Benzidine

Concen: 2.564 ng

RT: 13.092 min Scan# 1871

Delta R.T. 0.247 min

Lab File: BF131370.D

Acq: 23 Nov 2022 20:00

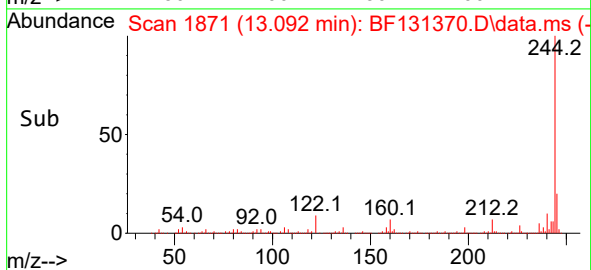
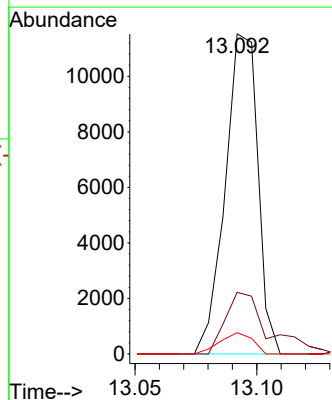
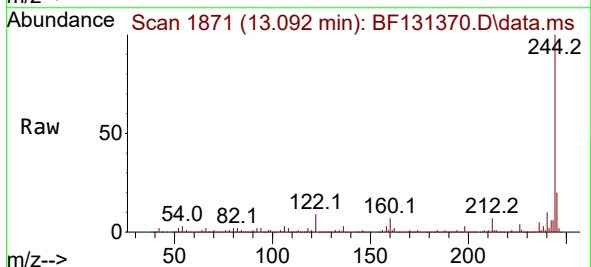
Tgt Ion:184 Resp: 10743

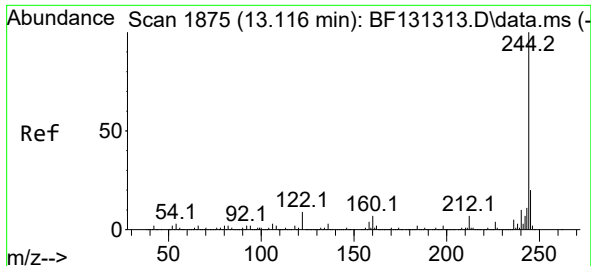
Ion Ratio Lower Upper

184 100

185 19.2 13.8 20.8

183 6.7 9.6 14.4#

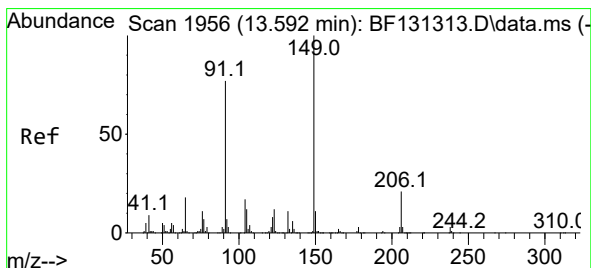
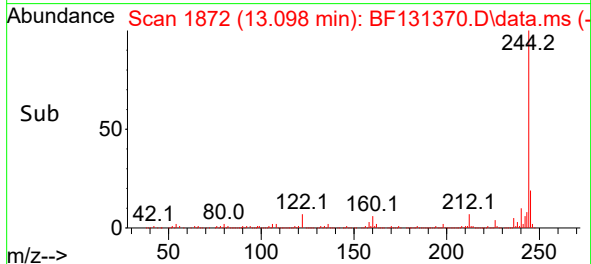
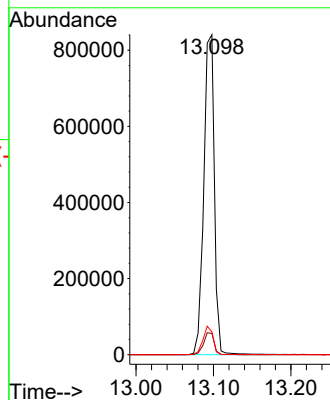
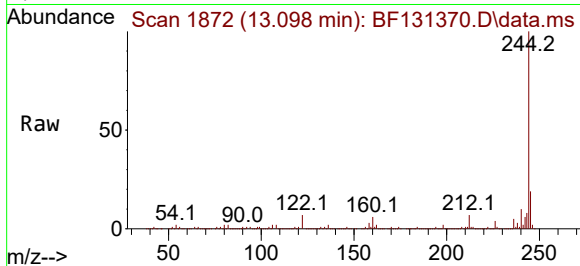




#79
 Terphenyl-d14
 Concen: 57.456 ng
 RT: 13.098 min Scan# 1875
 Delta R.T. -0.000 min
 Lab File: BF131370.D
 Acq: 23 Nov 2022 20:00

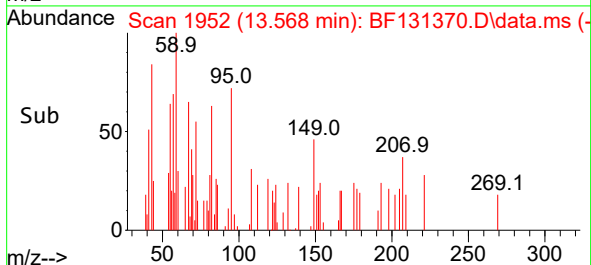
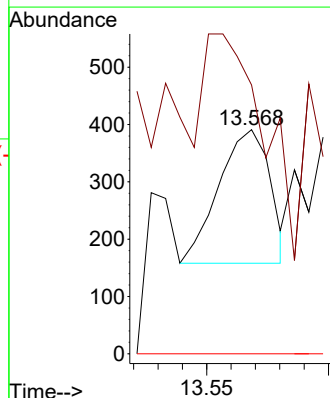
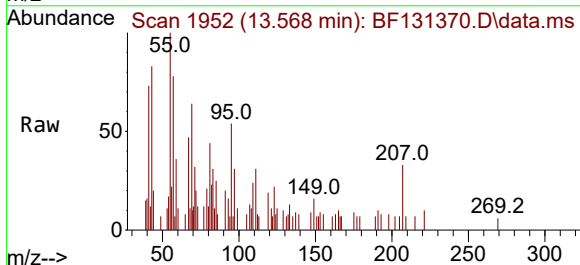
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-22

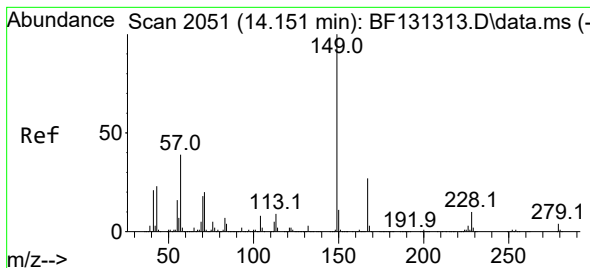
Tgt Ion:244 Resp: 797120
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.9 8.9
 122 7.2 7.5 11.3#



#80
 Butylbenzylphthalate
 Concen: 4.190 ng
 RT: 13.568 min Scan# 1952
 Delta R.T. -0.006 min
 Lab File: BF131370.D
 Acq: 23 Nov 2022 20:00

Tgt Ion:149 Resp: 341
 Ion Ratio Lower Upper
 149 100
 91 119.9 61.9 92.9#
 206 0.0 16.5 24.7#

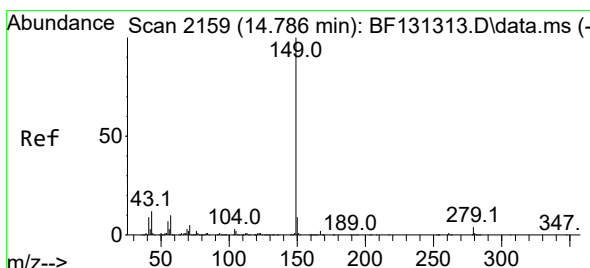
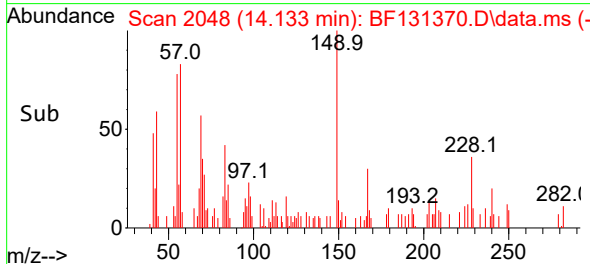
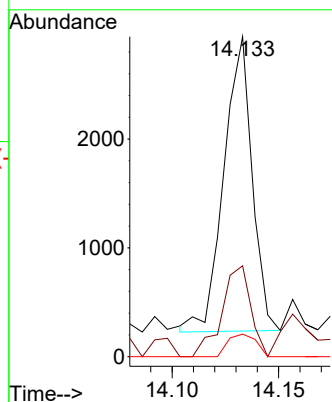
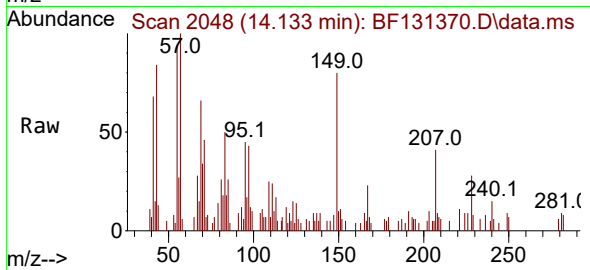




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.006 ng
RT: 14.133 min Scan# 2048
Delta R.T. -0.000 min
Lab File: BF131370.D
Acq: 23 Nov 2022 20:00

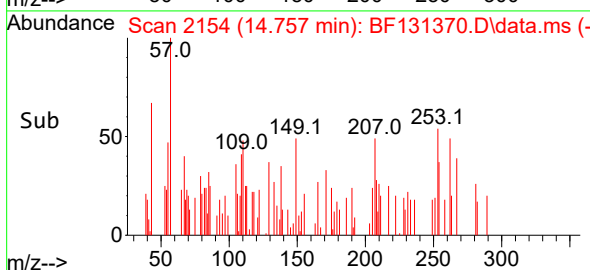
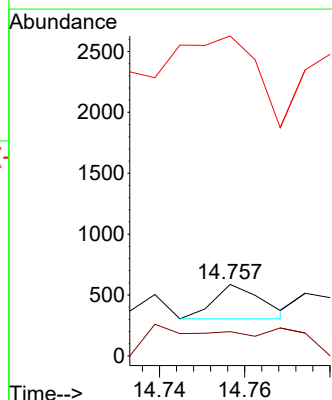
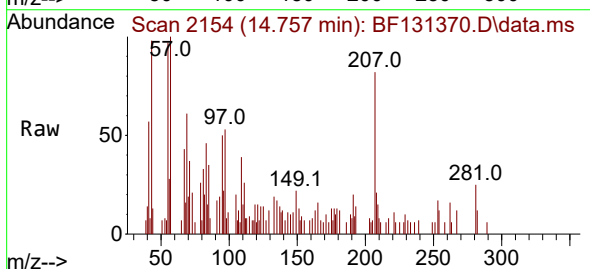
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-22

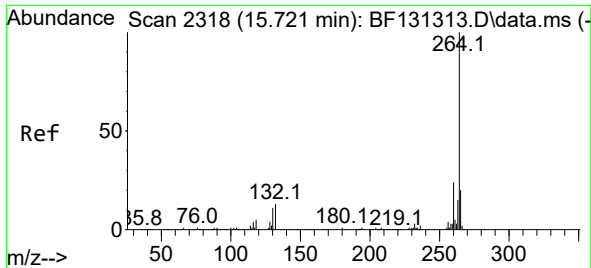
Tgt Ion:149 Resp: 2496
Ion Ratio Lower Upper
149 100
167 28.4 21.9 32.9
279 7.1 3.0 4.4#



#85
Di-n-octyl phthalate
Concen: 3.921 ng
RT: 14.757 min Scan# 2154
Delta R.T. -0.006 min
Lab File: BF131370.D
Acq: 23 Nov 2022 20:00

Tgt Ion:149 Resp: 220
Ion Ratio Lower Upper
149 100
167 101.4 1.2 1.8#
43 568.2 10.7 16.1#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.692 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF131370.D
Acq: 23 Nov 2022 20:00

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-22

Tgt Ion:264 Resp: 214168

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.0	28.4
265	21.5	16.4	24.6

