

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
 Data File : BF131374.D
 Acq On : 23 Nov 2022 22:11
 Operator : CG\JU
 Sample : N5642-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-23

Quant Time: Nov 24 05:58:17 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)

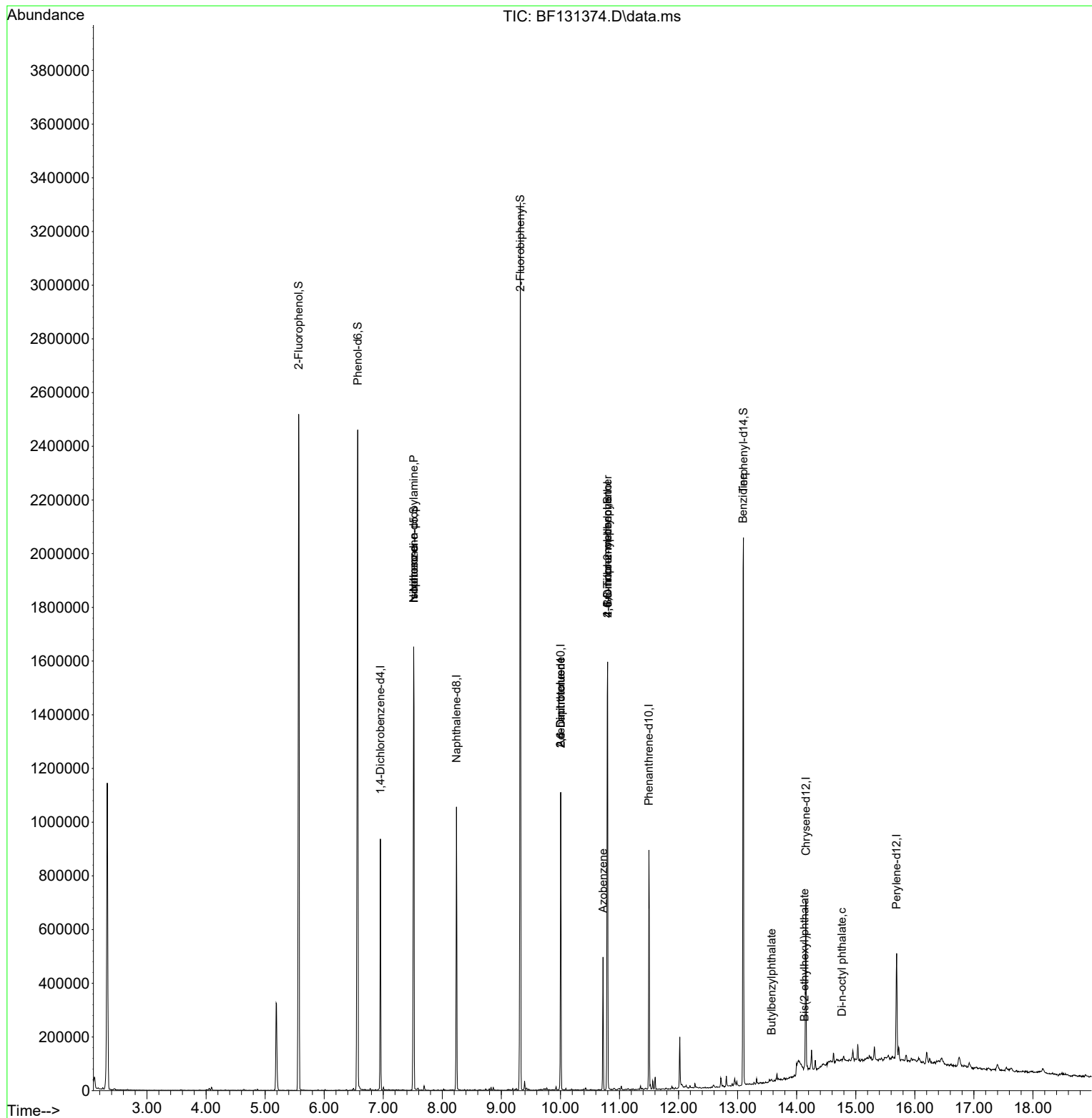
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	117019	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	411530	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	204913	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	306096	20.000	ng	0.00
76) Chrysene-d12	14.157	240	219400	20.000	ng	0.00
86) Perylene-d12	15.692	264	189129	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	693015	112.713	ng	0.01
7) Phenol-d6	6.569	99	853579	108.809	ng	0.00
23) Nitrobenzene-d5	7.516	82	562347	68.882	ng	0.00
42) 2,4,6-Tribromophenol	10.798	330	181654	105.371	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	949224	67.392	ng	0.00
79) Terphenyl-d14	13.098	244	737964	55.003	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.498	77	146	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	7.516	70	77047	13.416	ng	# 77
25) Isophorone	7.516	82	561240	38.533	ng	# 68
51) 2,6-Dinitrotoluene	10.004	165	25924	9.080	ng	# 15
57) 2,4-Dinitrotoluene	10.004	165	25924	7.216	ng	# 19
63) Azobenzene	10.722	77	74177	5.117	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.798	198	345	4.868	ng	# 1
67) 4-Bromophenyl-phenylether	10.798	248	12331	3.287	ng	# 1
77) Benzidine	13.092	184	10842	2.675	ng	# 93
80) Butylbenzylphthalate	13.574	149	1299	4.326	ng	# 79
84) Bis(2-ethylhexyl)phtha...	14.133	149	2751	4.042	ng	# 97
85) Di-n-octyl phthalate	14.768	149	609	3.958	ng	# 1

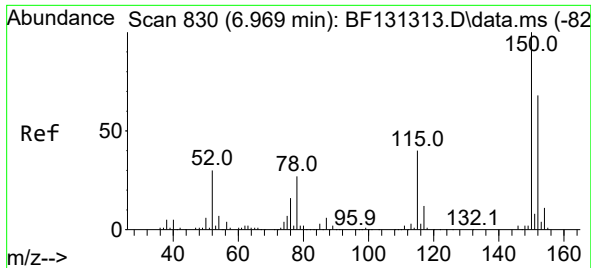
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
Data File : BF131374.D
Acq On : 23 Nov 2022 22:11
Operator : CG\JU
Sample : N5642-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-23

Quant Time: Nov 24 05:58:17 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

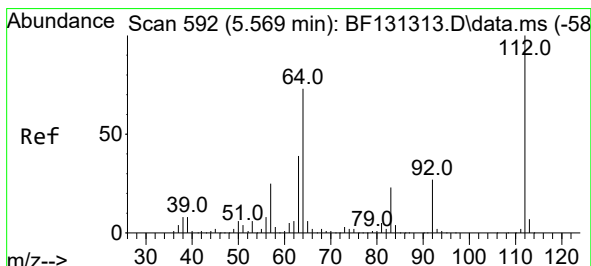
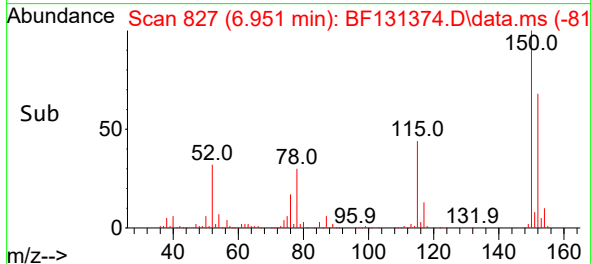
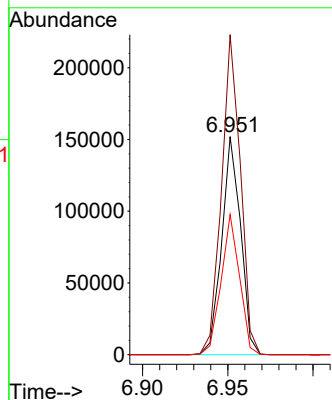
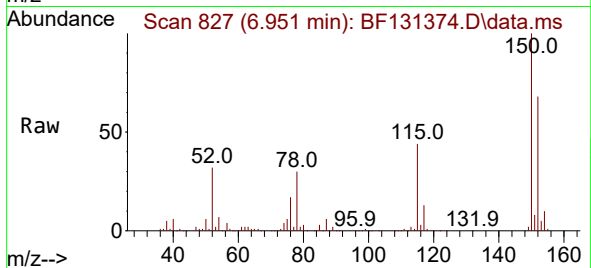




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.951 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131374.D
Acq: 23 Nov 2022 22:11

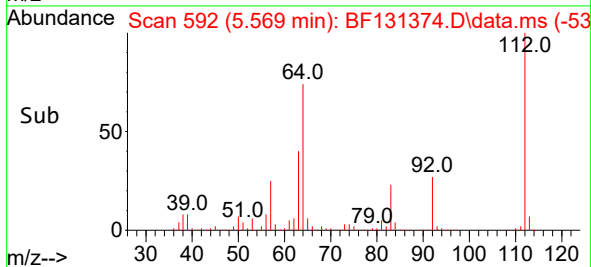
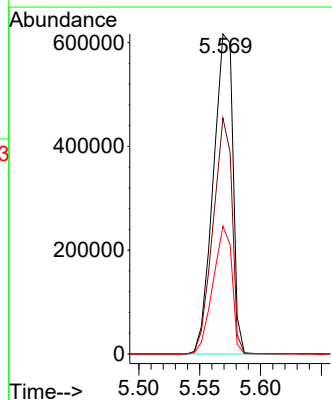
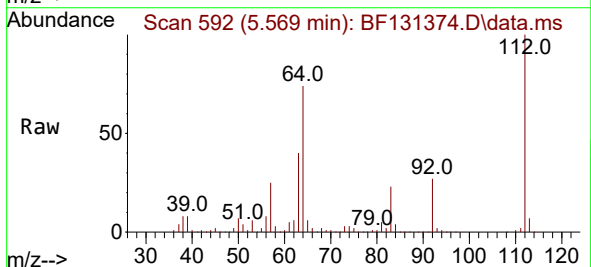
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-23

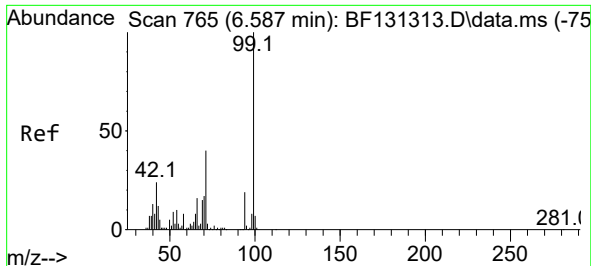
Tgt Ion:152 Resp: 117019
Ion Ratio Lower Upper
152 100
150 146.7 117.8 176.8
115 64.3 47.1 70.7



#5
2-Fluorophenol
Concen: 112.713 ng
RT: 5.569 min Scan# 592
Delta R.T. 0.012 min
Lab File: BF131374.D
Acq: 23 Nov 2022 22:11

Tgt Ion:112 Resp: 693015
Ion Ratio Lower Upper
112 100
64 73.8 58.6 88.0
63 39.9 31.4 47.0

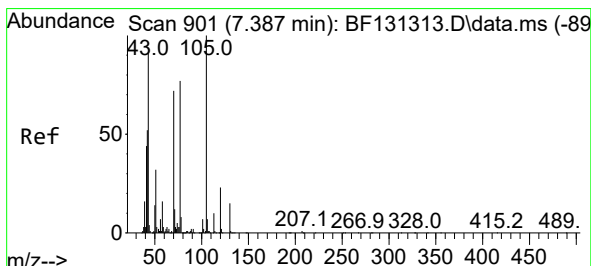
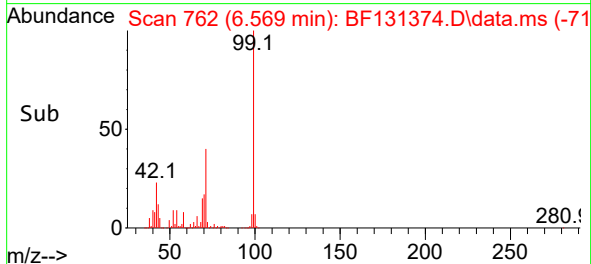
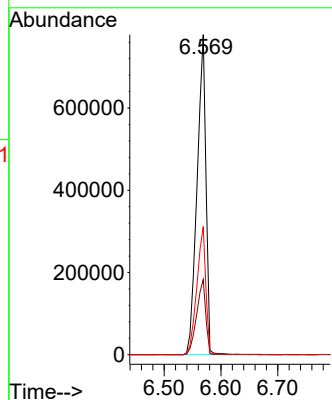
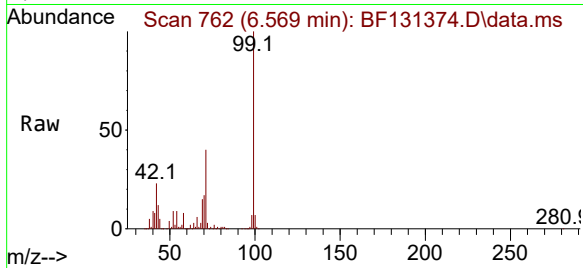




#7
Phenol-d6
Concen: 108.809 ng
RT: 6.569 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF131374.D
Acq: 23 Nov 2022 22:11

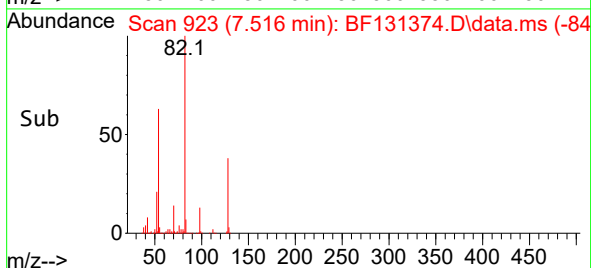
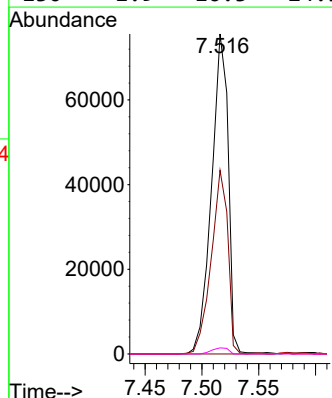
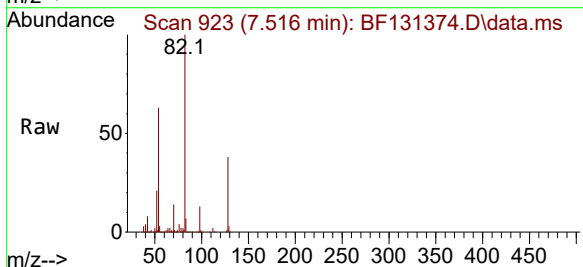
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-23

Tgt Ion: 99 Resp: 853579
Ion Ratio Lower Upper
99 100
42 23.5 19.4 29.2
71 40.1 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 13.416 ng
RT: 7.516 min Scan# 923
Delta R.T. 0.147 min
Lab File: BF131374.D
Acq: 23 Nov 2022 22:11

Tgt Ion: 70 Resp: 77047
Ion Ratio Lower Upper
70 100
42 57.4 57.6 86.4#
101 0.0 8.2 12.2#
130 1.9 16.3 24.5#



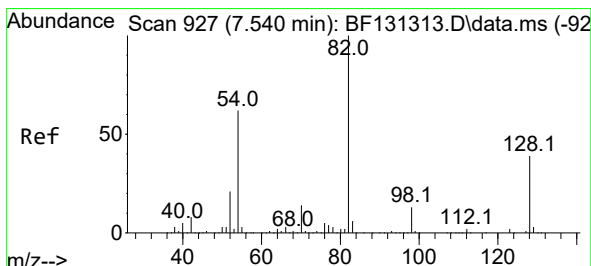
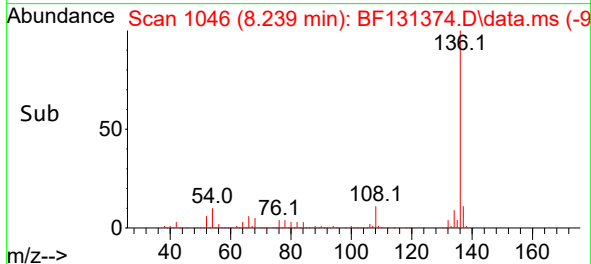
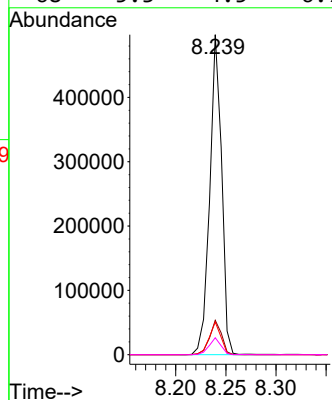
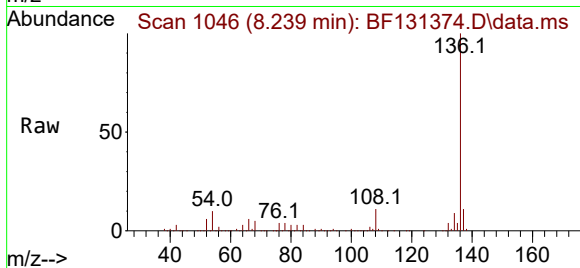


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BF131374.D
Acq: 23 Nov 2022 22:11

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-23

Tgt Ion:136 Resp: 411530

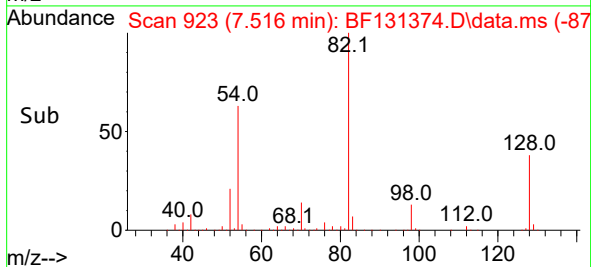
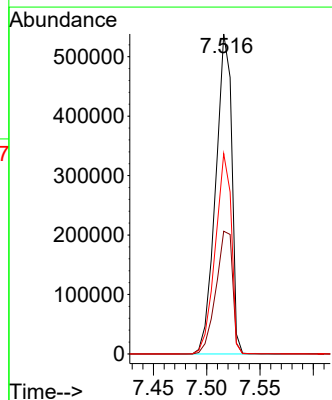
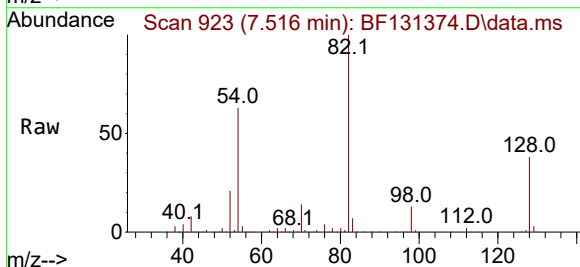
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.6
54	10.2	9.4	14.0
68	5.3	4.5	6.7



#23
Nitrobenzene-d5
Concen: 68.882 ng
RT: 7.516 min Scan# 923
Delta R.T. -0.006 min
Lab File: BF131374.D
Acq: 23 Nov 2022 22:11

Tgt Ion: 82 Resp: 562347

Ion	Ratio	Lower	Upper
82	100		
128	38.4	31.4	47.0
54	62.6	49.8	74.6

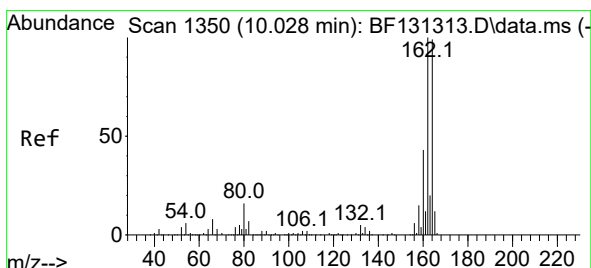
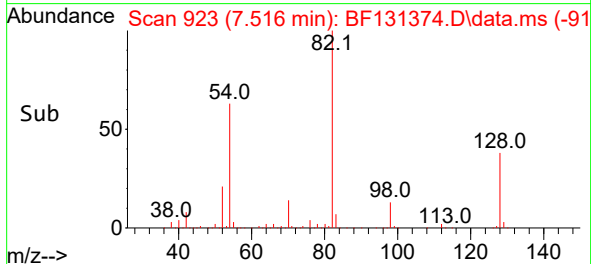
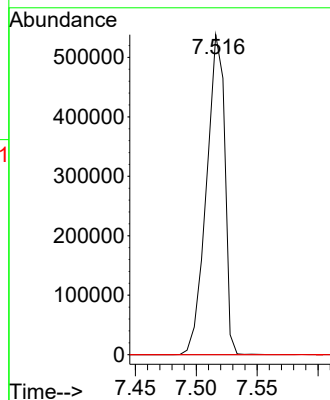
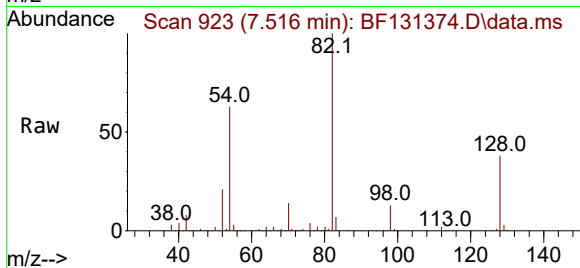




#25
Isophorone
Concen: 38.533 ng
RT: 7.516 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF131374.D
Acq: 23 Nov 2022 22:11

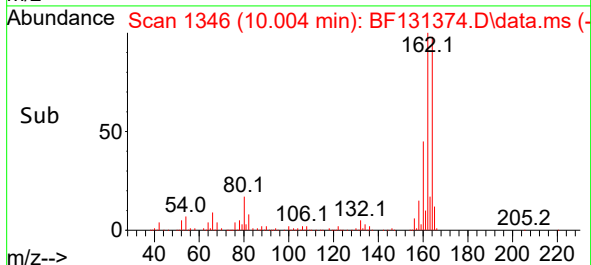
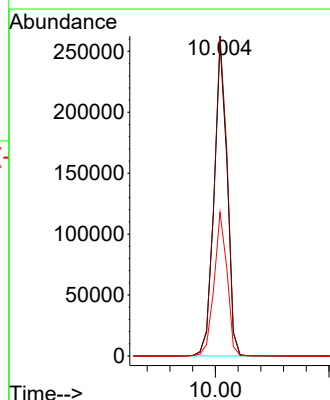
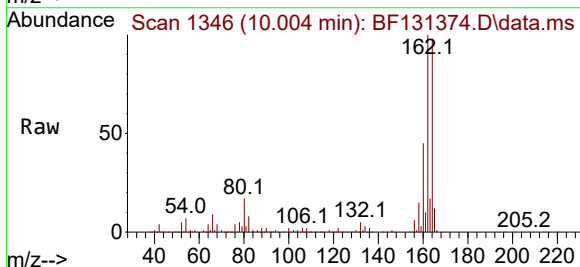
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-23

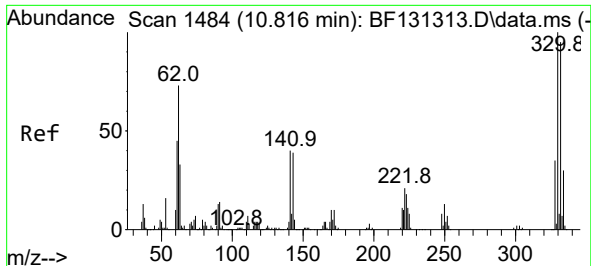
Tgt Ion: 82 Resp: 561240
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.7 19.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF131374.D
Acq: 23 Nov 2022 22:11

Tgt Ion: 164 Resp: 204913
Ion Ratio Lower Upper
164 100
162 102.3 80.6 120.8
160 45.9 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 105.371 ng

RT: 10.798 min Scan# 1484

Delta R.T. -0.006 min

Lab File: BF131374.D

Acq: 23 Nov 2022 22:11

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-23

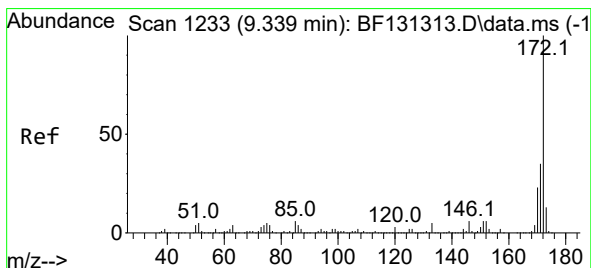
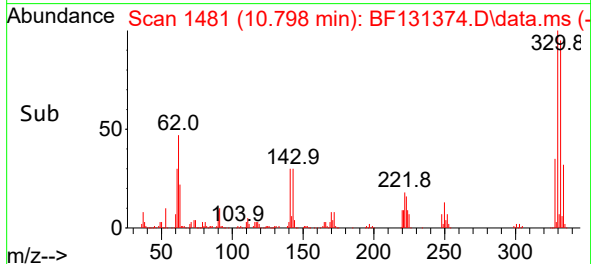
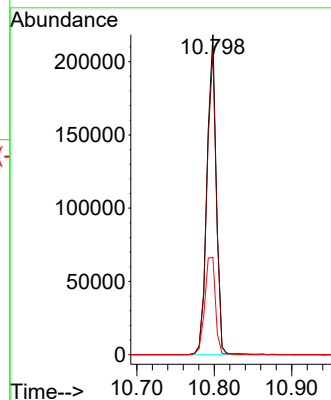
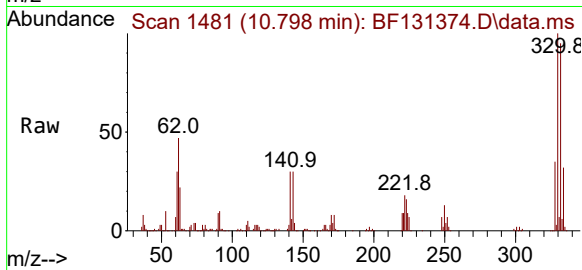
Tgt Ion:330 Resp: 181654

Ion Ratio Lower Upper

330 100

332 96.2 77.5 116.3

141 35.0 29.3 43.9



#45

2-Fluorobiphenyl

Concen: 67.392 ng

RT: 9.322 min Scan# 1230

Delta R.T. -0.006 min

Lab File: BF131374.D

Acq: 23 Nov 2022 22:11

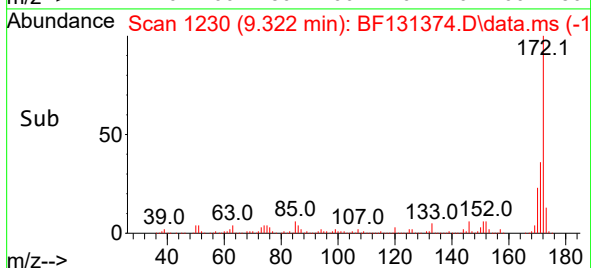
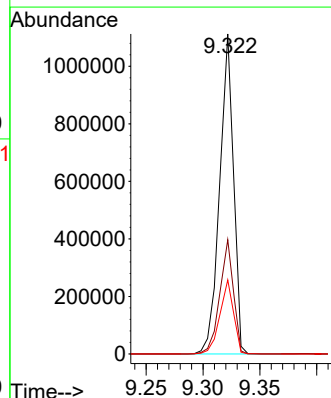
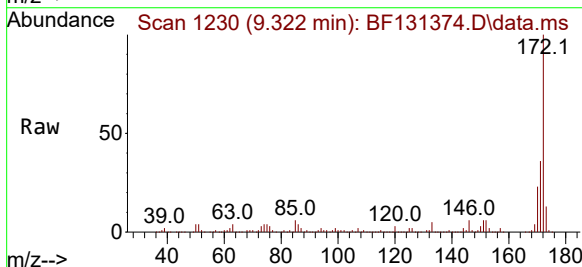
Tgt Ion:172 Resp: 949224

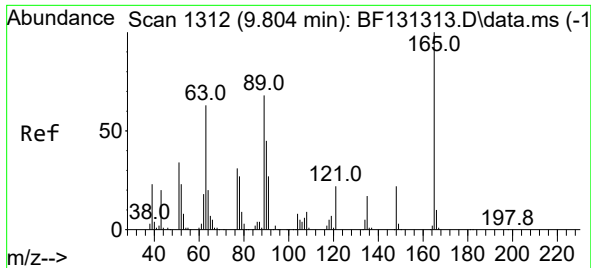
Ion Ratio Lower Upper

172 100

171 35.7 28.2 42.2

170 23.1 18.7 28.1

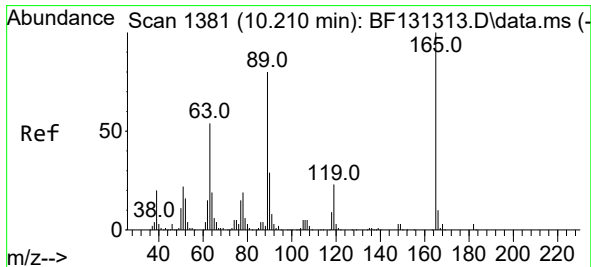
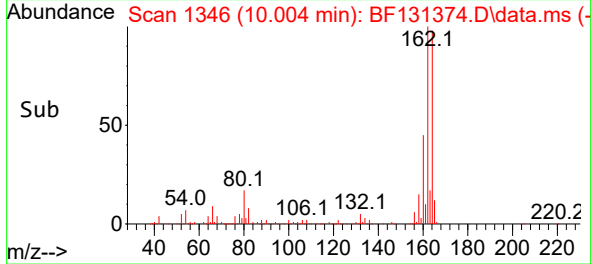
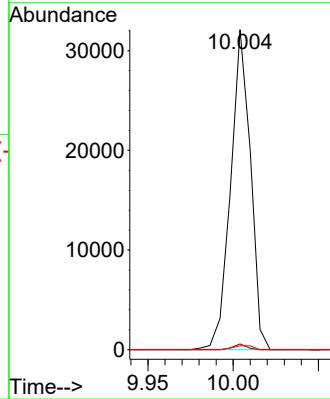
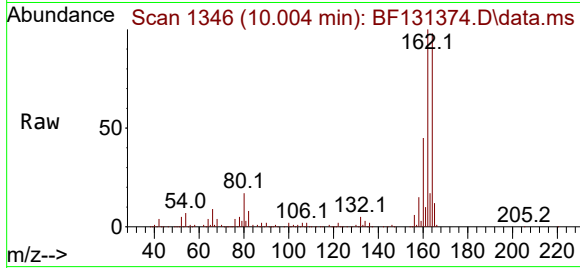




#51
2,6-Dinitrotoluene
Concen: 9.080 ng
RT: 10.004 min Scan# 1312
Delta R.T. 0.212 min
Lab File: BF131374.D
Acq: 23 Nov 2022 22:11

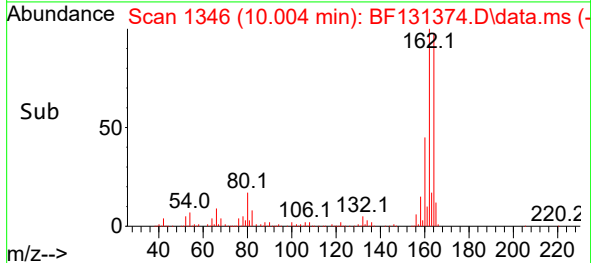
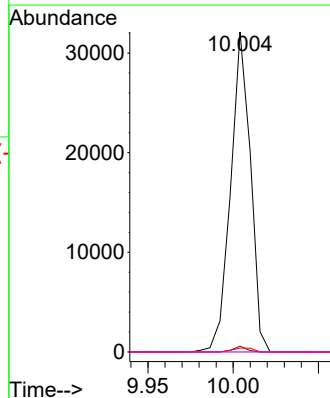
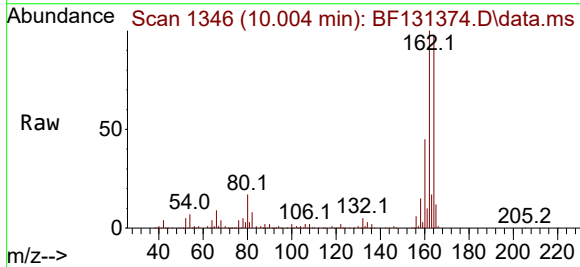
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-23

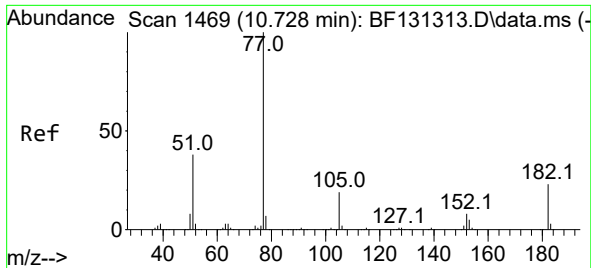
Tgt Ion:165 Resp: 25924
Ion Ratio Lower Upper
165 100
63 1.8 62.0 93.0#
89 1.2 54.4 81.6#



#57
2,4-Dinitrotoluene
Concen: 7.216 ng
RT: 10.004 min Scan# 1346
Delta R.T. -0.188 min
Lab File: BF131374.D
Acq: 23 Nov 2022 22:11

Tgt Ion:165 Resp: 25924
Ion Ratio Lower Upper
165 100
63 1.8 43.4 65.2#
89 1.2 64.0 96.0#
182 0.0 2.3 3.5#

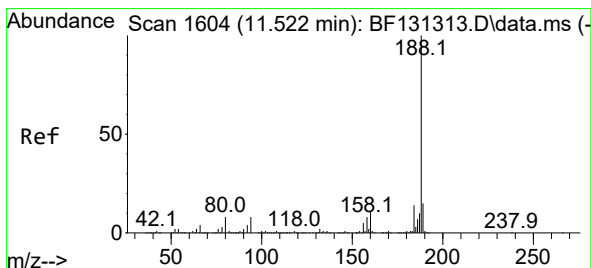
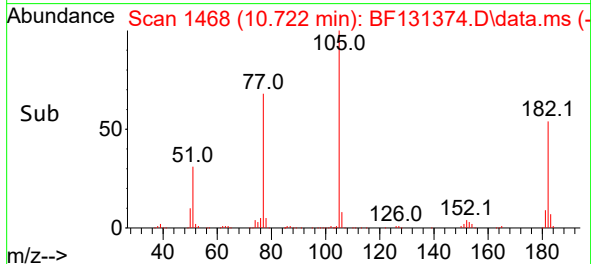
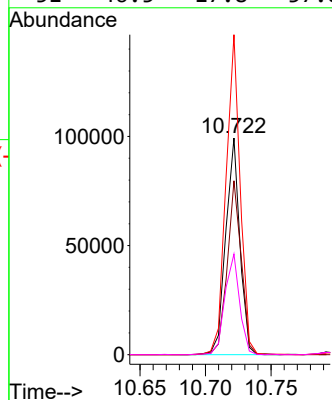
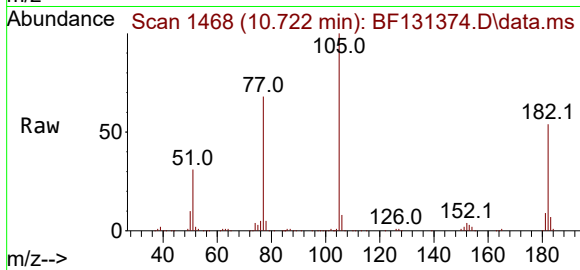




#63
Azobenzene
Concen: 5.117 ng
RT: 10.722 min Scan# 1469
Delta R.T. 0.006 min
Lab File: BF131374.D
Acq: 23 Nov 2022 22:11

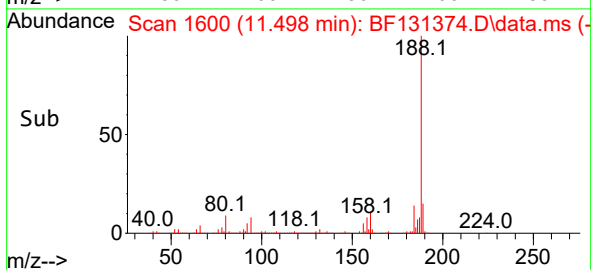
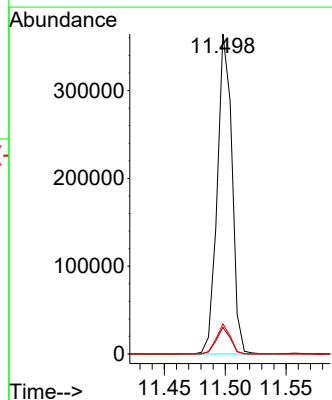
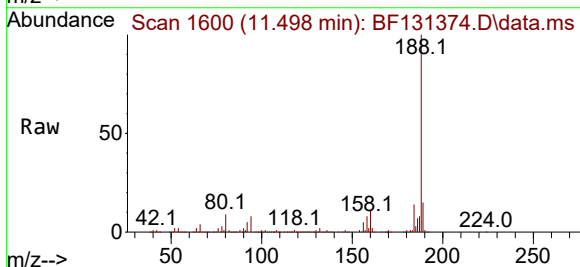
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-23

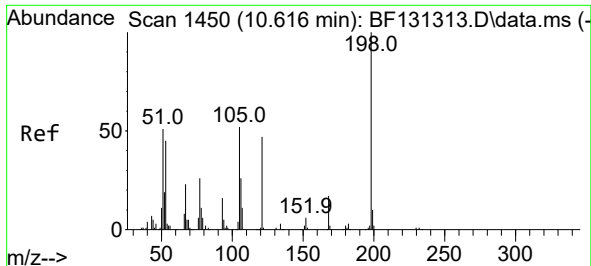
Tgt Ion: 77 Resp: 74177
Ion Ratio Lower Upper
77 100
182 80.3 3.1 43.1#
105 147.7 0.0 39.2#
51 46.5 17.8 57.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 1600
Delta R.T. -0.006 min
Lab File: BF131374.D
Acq: 23 Nov 2022 22:11

Tgt Ion:188 Resp: 306096
Ion Ratio Lower Upper
188 100
94 8.3 6.3 9.5
80 9.4 6.8 10.2

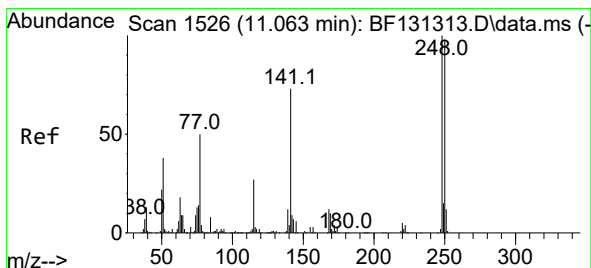
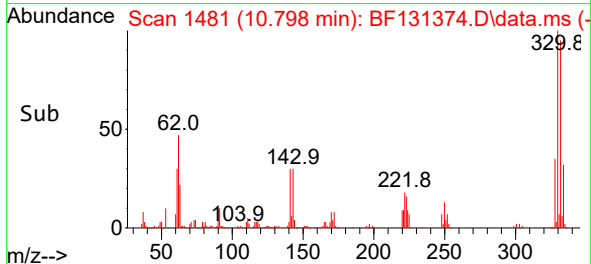
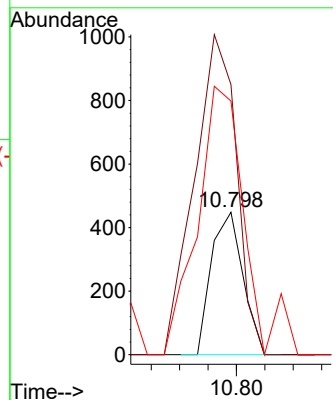
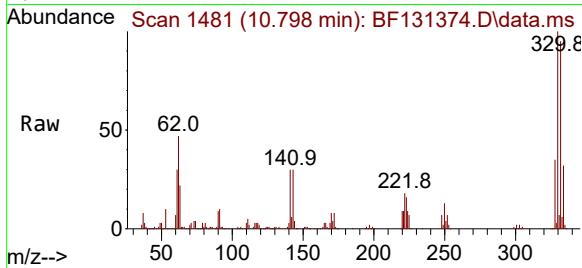




#65
4,6-Dinitro-2-methylphenol
Concen: 4.868 ng
RT: 10.798 min Scan# 1450
Delta R.T. 0.194 min
Lab File: BF131374.D
Acq: 23 Nov 2022 22:11

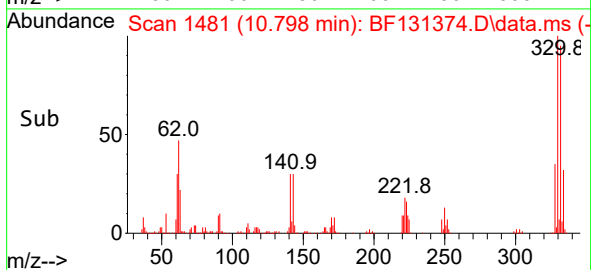
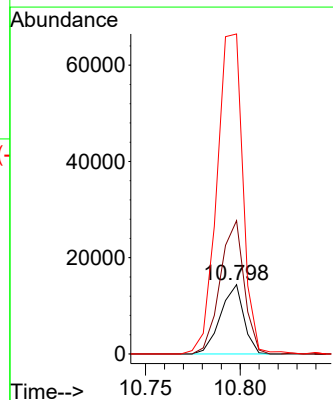
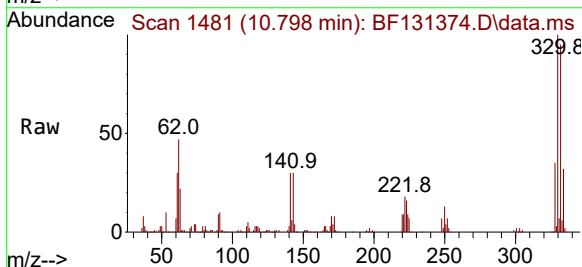
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-23

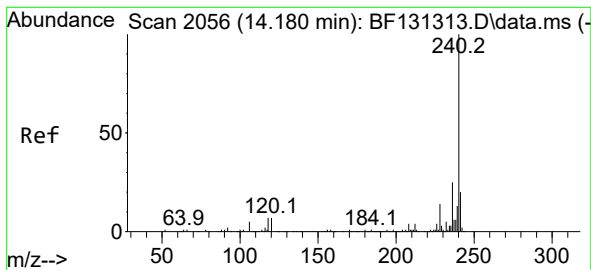
Tgt Ion:198 Resp: 345
Ion Ratio Lower Upper
198 100
51 189.7 50.1 90.1#
105 178.1 32.5 72.5#



#67
4-Bromophenyl-phenylether
Concen: 3.287 ng
RT: 10.798 min Scan# 1481
Delta R.T. -0.247 min
Lab File: BF131374.D
Acq: 23 Nov 2022 22:11

Tgt Ion:248 Resp: 12331
Ion Ratio Lower Upper
248 100
250 192.5 78.3 117.5#
141 462.1 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: BF131374.D

Acq: 23 Nov 2022 22:11

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-23

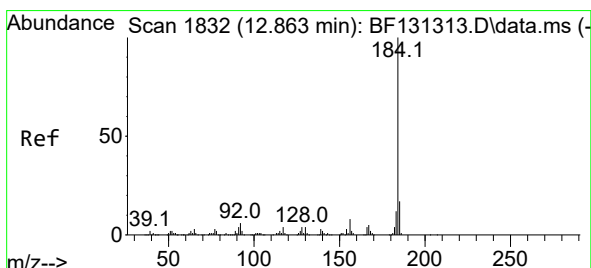
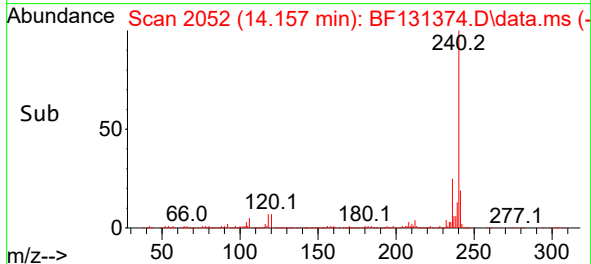
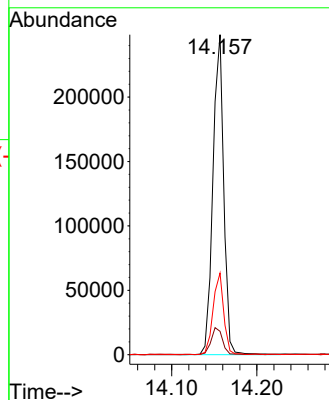
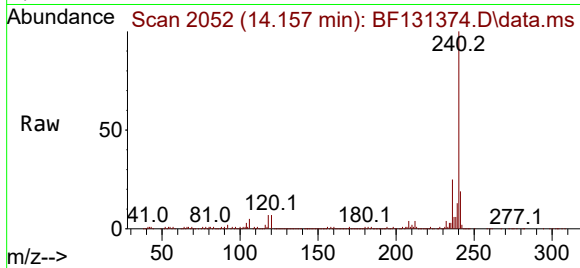
Tgt Ion:240 Resp: 219400

Ion Ratio Lower Upper

240 100

120 7.3 5.8 8.8

236 25.5 20.3 30.5



#77

Benzidine

Concen: 2.675 ng

RT: 13.092 min Scan# 1871

Delta R.T. 0.247 min

Lab File: BF131374.D

Acq: 23 Nov 2022 22:11

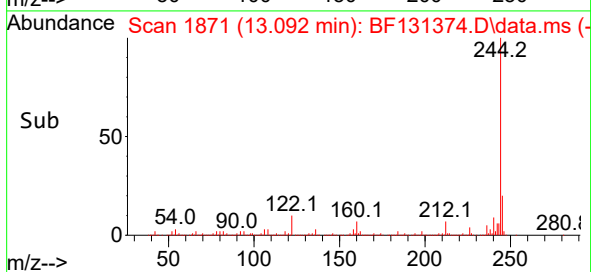
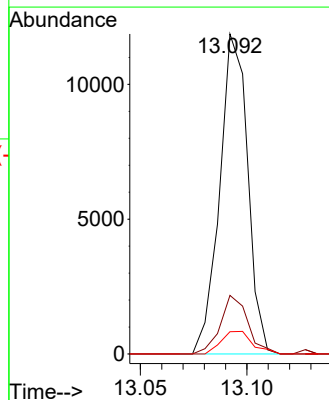
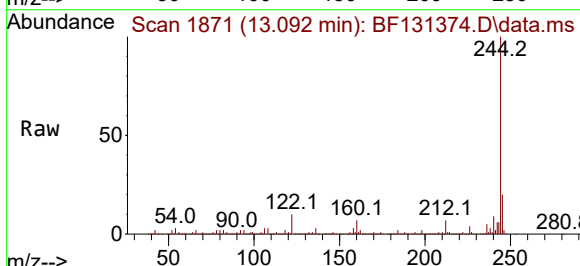
Tgt Ion:184 Resp: 10842

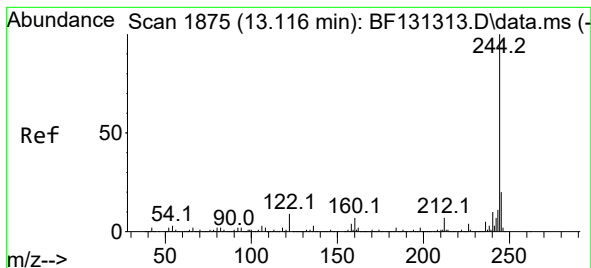
Ion Ratio Lower Upper

184 100

185 18.3 13.8 20.8

183 6.9 9.6 14.4#





#79

Terphenyl-d14

Concen: 55.003 ng

RT: 13.098 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF131374.D

Acq: 23 Nov 2022 22:11

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-23

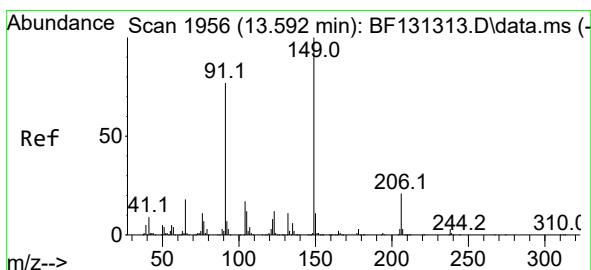
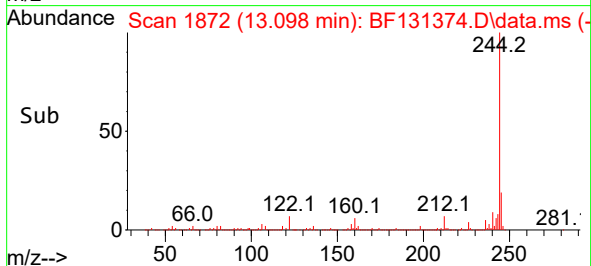
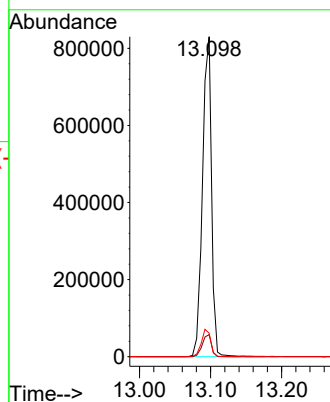
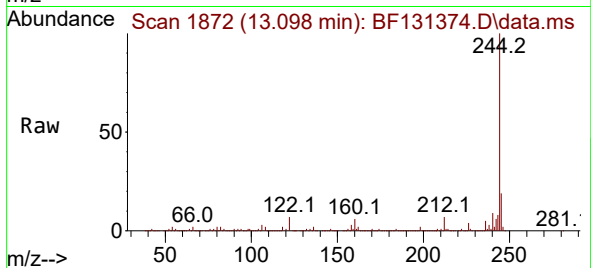
Tgt Ion:244 Resp: 737964

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

122 7.3 7.5 11.3#



#80

Butylbenzylphthalate

Concen: 4.326 ng

RT: 13.574 min Scan# 1953

Delta R.T. -0.000 min

Lab File: BF131374.D

Acq: 23 Nov 2022 22:11

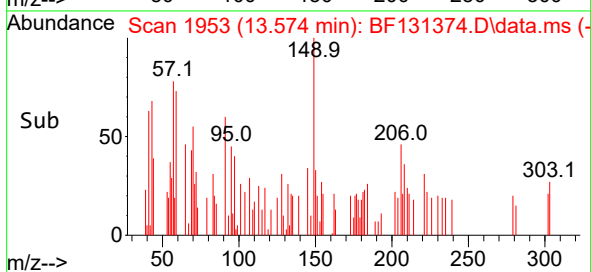
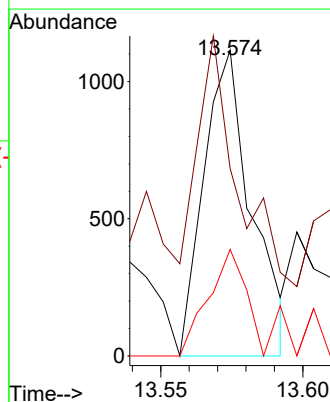
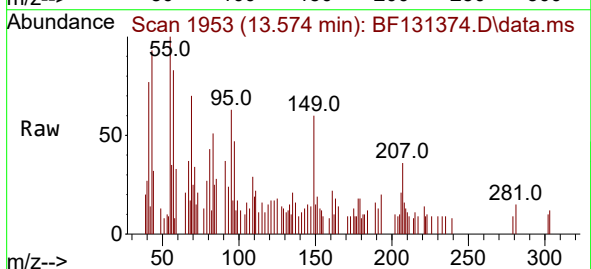
Tgt Ion:149 Resp: 1299

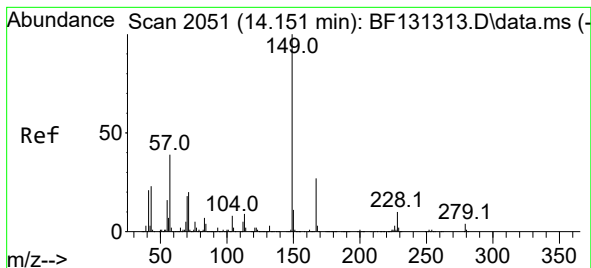
Ion Ratio Lower Upper

149 100

91 61.3 61.9 92.9#

206 34.8 16.5 24.7#





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.042 ng

RT: 14.133 min Scan# 2048

Delta R.T. -0.000 min

Lab File: BF131374.D

Acq: 23 Nov 2022 22:11

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-23

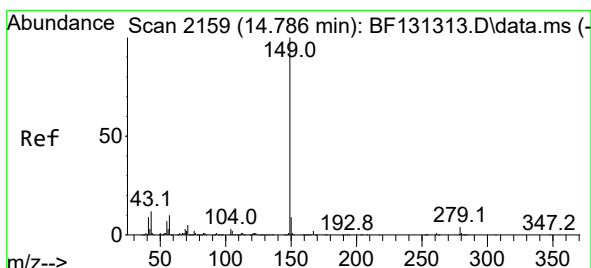
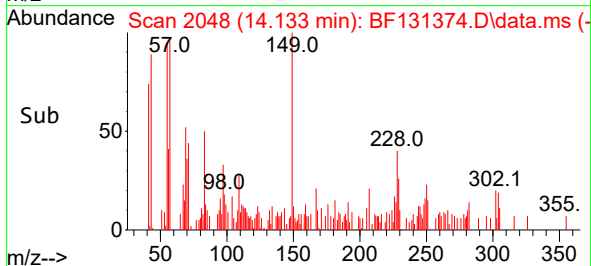
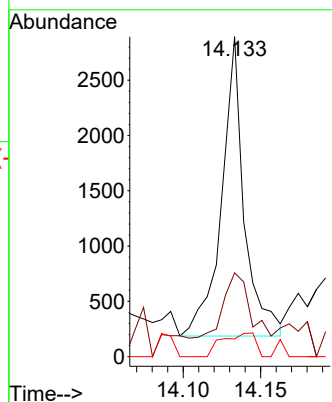
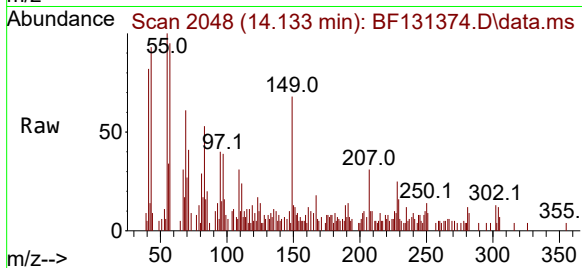
Tgt Ion:149 Resp: 2751

Ion Ratio Lower Upper

149 100

167 26.2 21.9 32.9

279 5.6 3.0 4.4#



#85

Di-n-octyl phthalate

Concen: 3.958 ng

RT: 14.768 min Scan# 2156

Delta R.T. 0.006 min

Lab File: BF131374.D

Acq: 23 Nov 2022 22:11

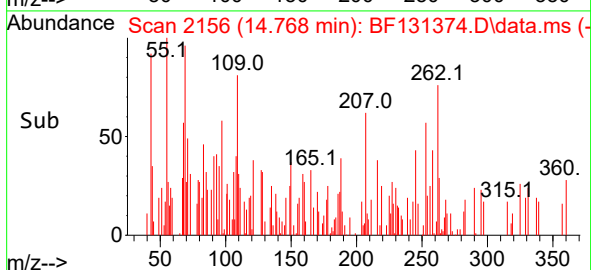
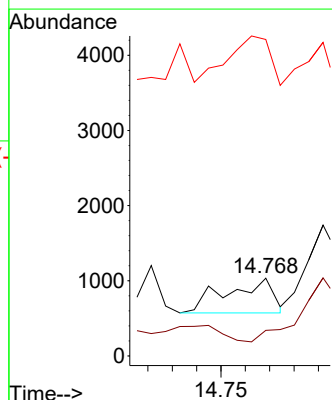
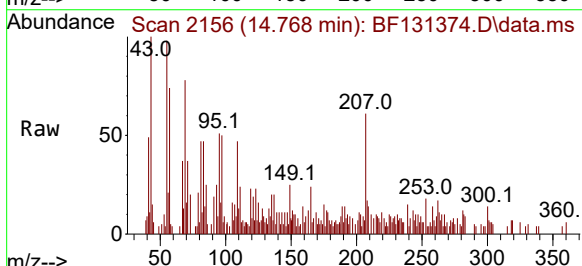
Tgt Ion:149 Resp: 609

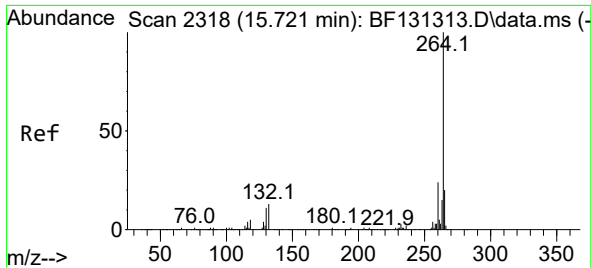
Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 116.7 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: BF131374.D

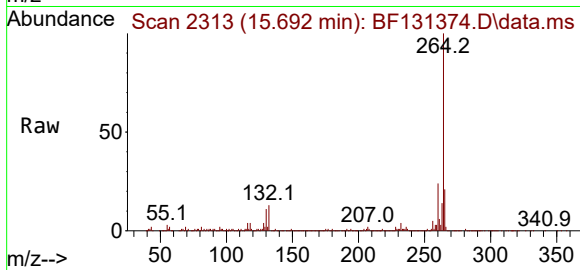
Acq: 23 Nov 2022 22:11

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-23



Tgt Ion:264 Resp: 189129

Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.4

265 21.2 16.4 24.6

