

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112222\
 Data File : BF131343.D
 Acq On : 22 Nov 2022 22:17
 Operator : CG\JU
 Sample : N5641-16
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-16

Quant Time: Nov 23 04:19:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 22 01:17:52 2022
 Response via : Initial Calibration

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

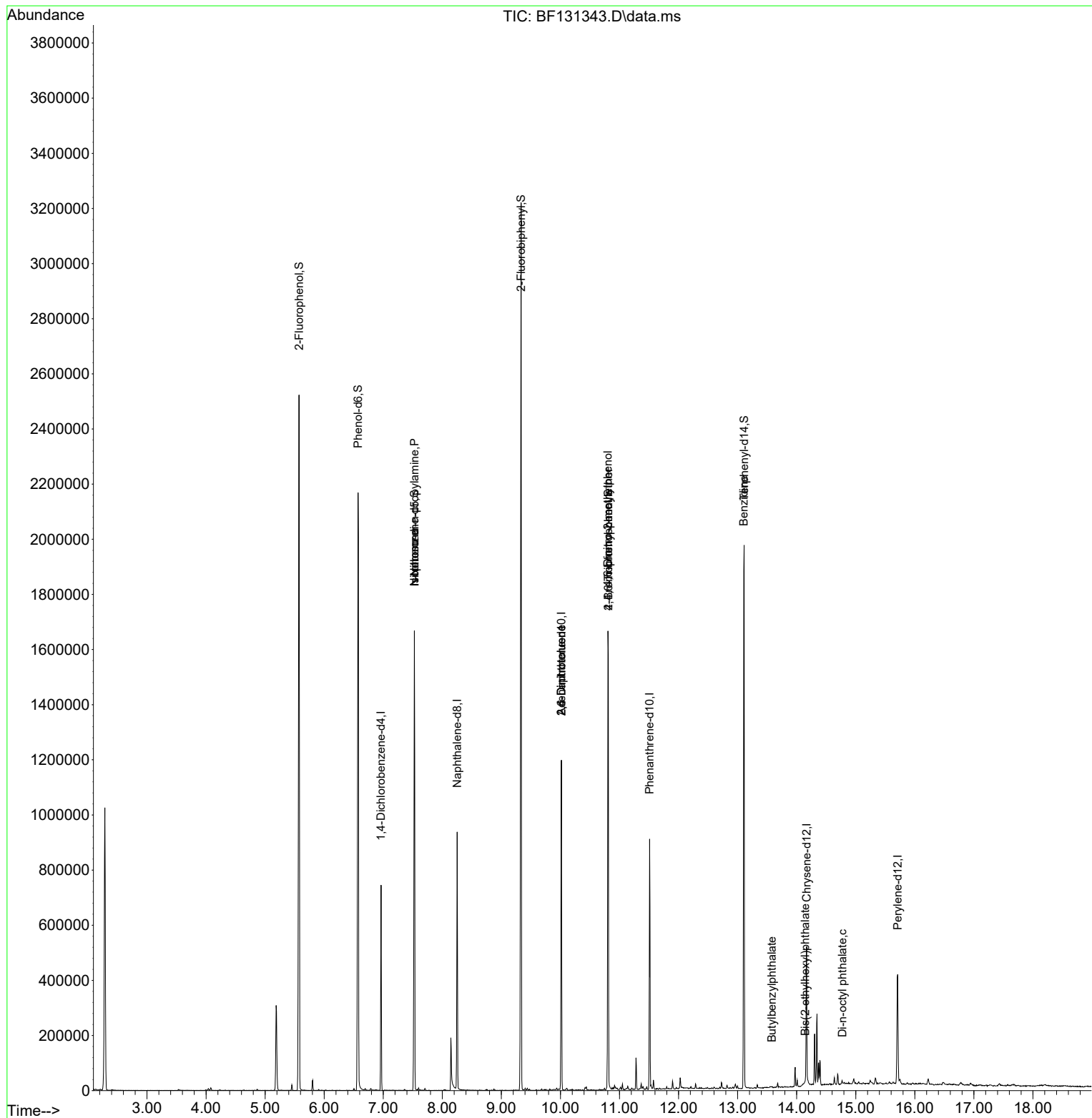
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	94265	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	343098	20.000	ng	0.00
39) Acenaphthene-d10	10.016	164	192130	20.000	ng	-0.01
64) Phenanthrene-d10	11.510	188	314946	20.000	ng	-0.01
76) Chrysene-d12	14.168	240	171601	20.000	ng	-0.01
86) Perylene-d12	15.709	264	198199	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	627033	126.598	ng	0.00
7) Phenol-d6	6.575	99	786813	124.508	ng	-0.01
23) Nitrobenzene-d5	7.528	82	515369	75.719	ng	-0.01
42) 2,4,6-Tribromophenol	10.810	330	194054	120.053	ng	0.00
45) 2-Fluorobiphenyl	9.333	172	926212	70.133	ng	0.00
79) Terphenyl-d14	13.110	244	723412	68.937	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.510	77	169	Below Cal	#	62
19) n-Nitroso-di-n-propyla...	7.528	70	71718	15.503	ng	# 75
25) Isophorone	7.528	82	515359	42.440	ng	# 68
51) 2,6-Dinitrotoluene	10.016	165	24789	9.260	ng	# 15
57) 2,4-Dinitrotoluene	10.016	165	24789	7.359	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.804	198	521	5.006	ng	# 1
67) 4-Bromophenyl-phenylether	10.810	248	13073	3.387	ng	# 1
77) Benzidine	13.104	184	9584	3.024	ng	# 89
80) Butylbenzylphthalate	13.580	149	489	4.231	ng	# 90
84) Bis(2-ethylhexyl)phtha...	14.145	149	2350	4.069	ng	# 96
85) Di-n-octyl phthalate	14.774	149	914	4.010	ng	# 68

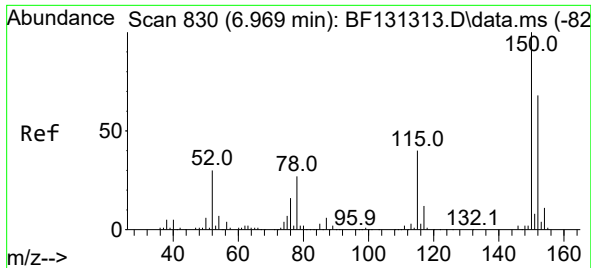
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 23 04:19:51 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 22 01:17:52 2022
Response via : Initial Calibration

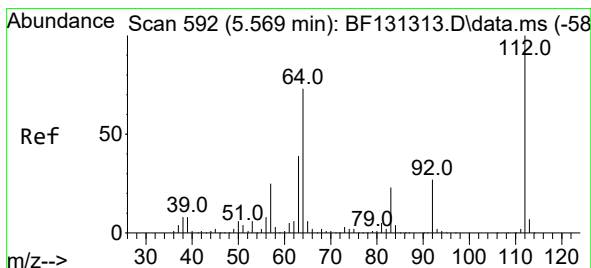
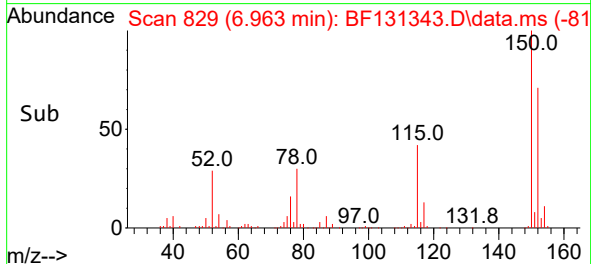
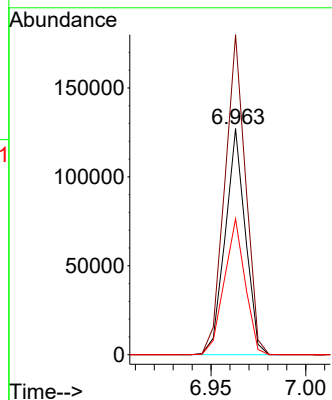
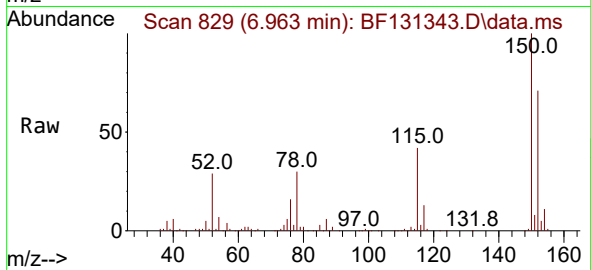




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131343.D
Acq: 22 Nov 2022 22:17

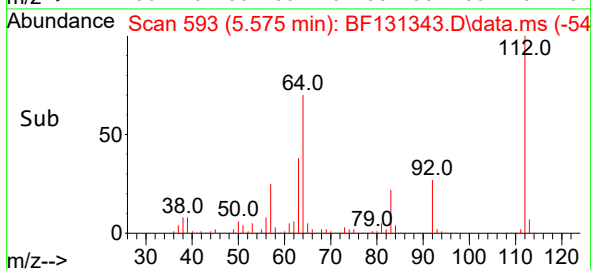
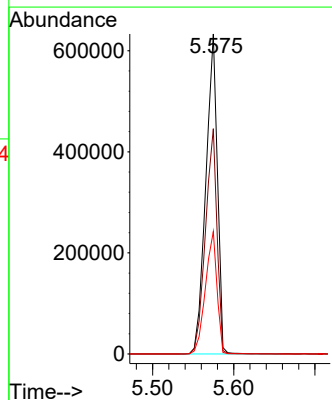
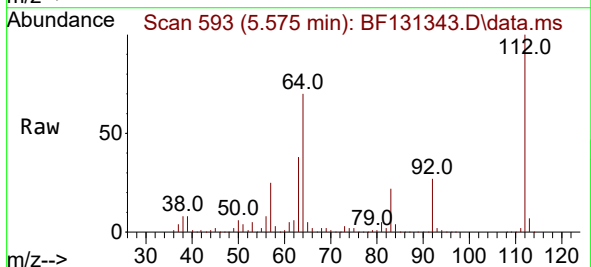
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16

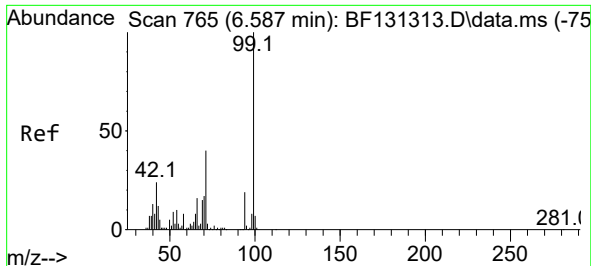
Tgt Ion:152 Resp: 94265
Ion Ratio Lower Upper
152 100
150 141.6 117.8 176.8
115 60.1 47.1 70.7



#5
2-Fluorophenol
Concen: 126.598 ng
RT: 5.575 min Scan# 593
Delta R.T. 0.006 min
Lab File: BF131343.D
Acq: 22 Nov 2022 22:17

Tgt Ion:112 Resp: 627033
Ion Ratio Lower Upper
112 100
64 70.4 58.6 88.0
63 38.2 31.4 47.0

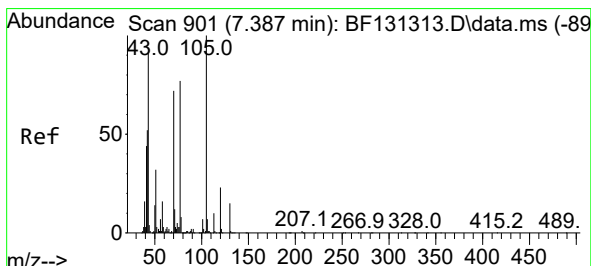
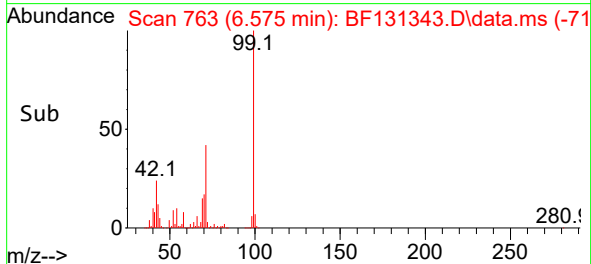
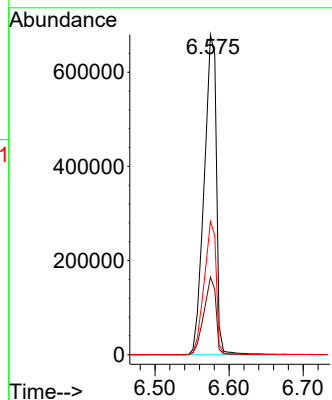
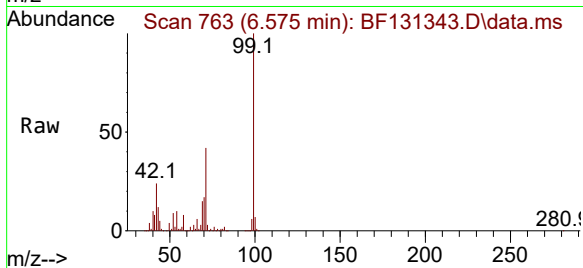




#7
Phenol-d6
Concen: 124.508 ng
RT: 6.575 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF131343.D
Acq: 22 Nov 2022 22:17

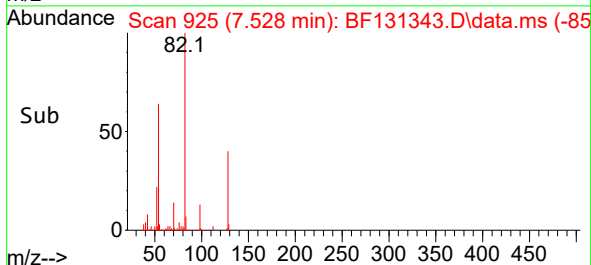
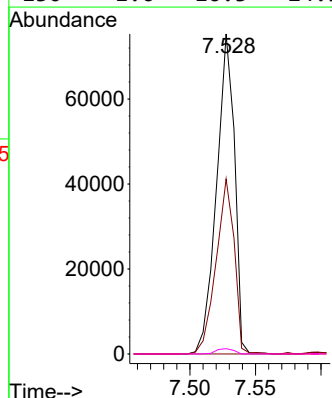
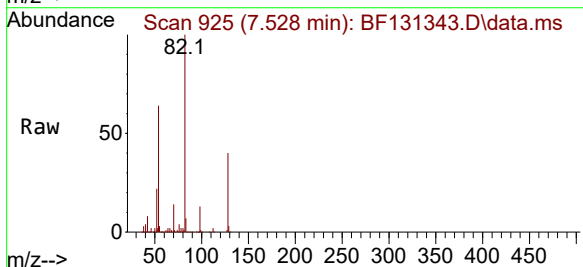
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16

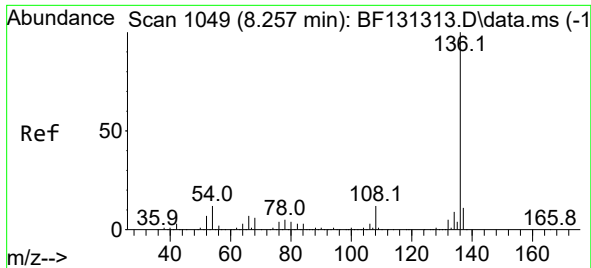
Tgt Ion: 99 Resp: 786813
Ion Ratio Lower Upper
99 100
42 24.2 19.4 29.2
71 41.6 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 15.503 ng
RT: 7.528 min Scan# 925
Delta R.T. 0.141 min
Lab File: BF131343.D
Acq: 22 Nov 2022 22:17

Tgt Ion: 70 Resp: 71718
Ion Ratio Lower Upper
70 100
42 54.7 57.6 86.4#
101 0.0 8.2 12.2#
130 1.6 16.3 24.5#

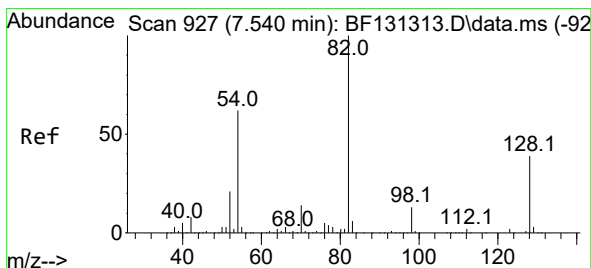
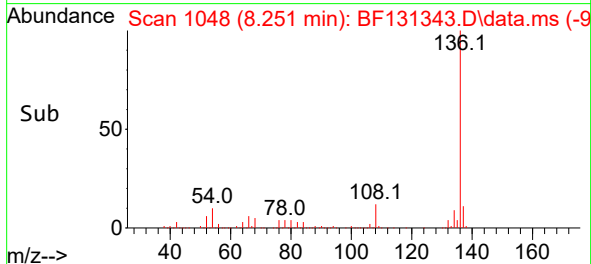
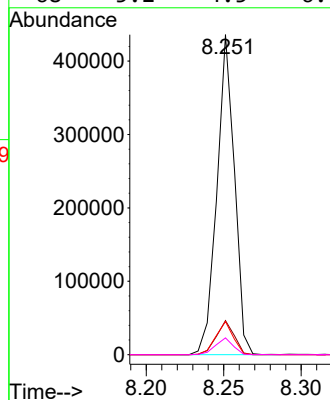
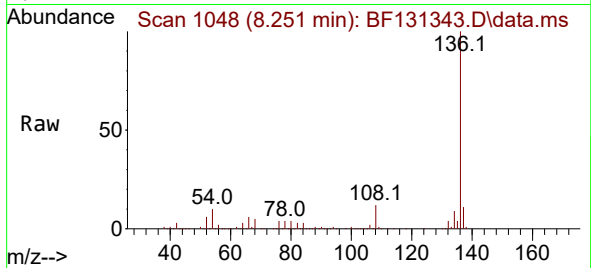




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BF131343.D
Acq: 22 Nov 2022 22:17

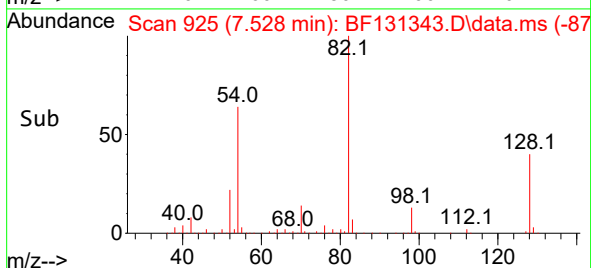
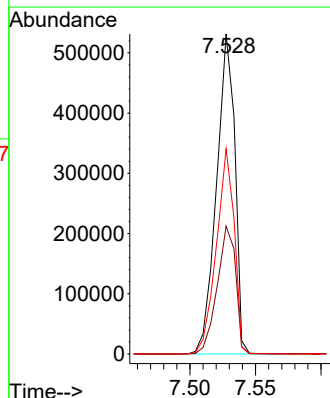
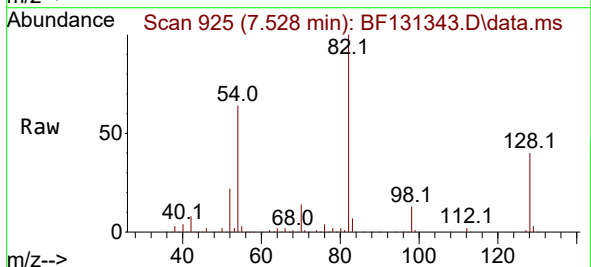
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16

Tgt Ion:136 Resp: 343098
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.6
54 10.4 9.4 14.0
68 5.2 4.5 6.7



#23
Nitrobenzene-d5
Concen: 75.719 ng
RT: 7.528 min Scan# 925
Delta R.T. -0.012 min
Lab File: BF131343.D
Acq: 22 Nov 2022 22:17

Tgt Ion: 82 Resp: 515369
Ion Ratio Lower Upper
82 100
128 40.0 31.4 47.0
54 64.2 49.8 74.6

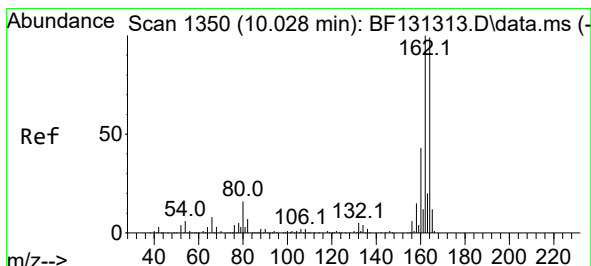
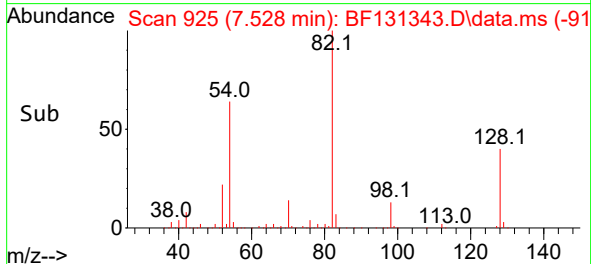
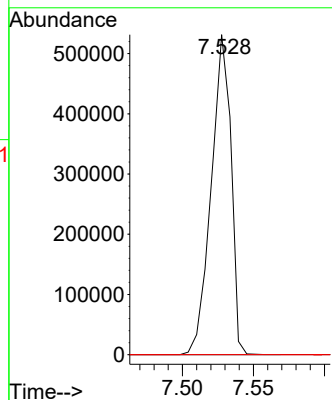
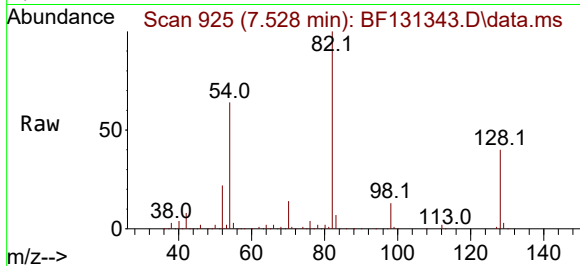




#25
Isophorone
Concen: 42.440 ng
RT: 7.528 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF131343.D
Acq: 22 Nov 2022 22:17

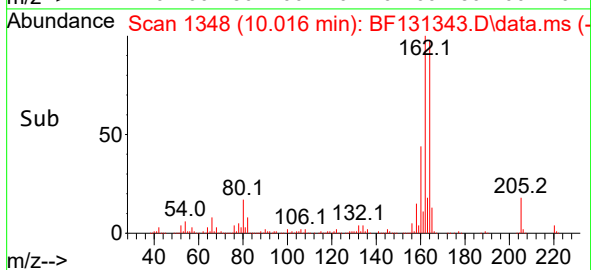
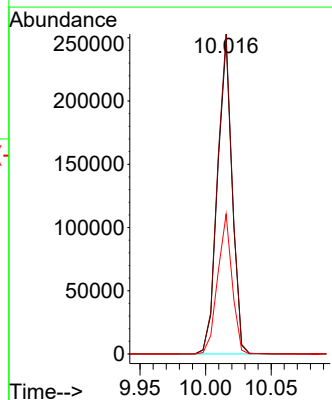
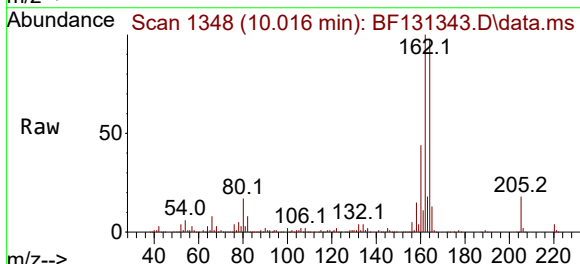
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16

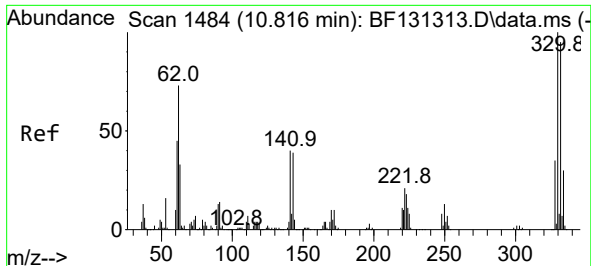
Tgt Ion: 82 Resp: 515359
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.7 19.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.016 min Scan# 1348
Delta R.T. -0.012 min
Lab File: BF131343.D
Acq: 22 Nov 2022 22:17

Tgt Ion:164 Resp: 192130
Ion Ratio Lower Upper
164 100
162 102.1 80.6 120.8
160 44.6 34.4 51.6

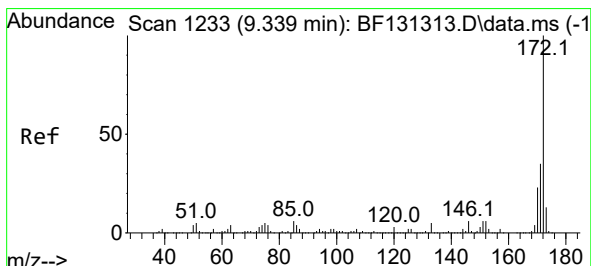
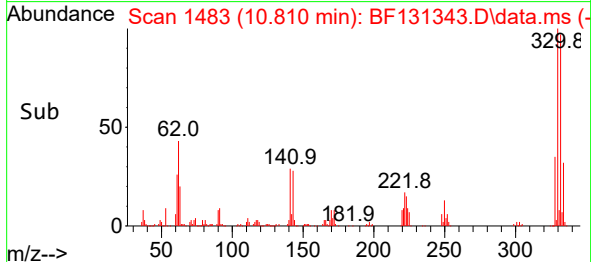
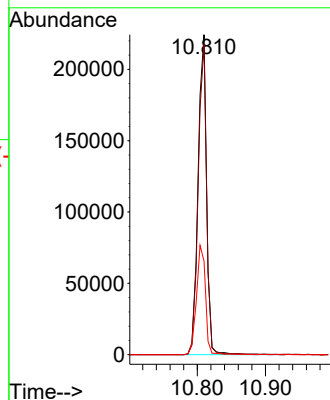
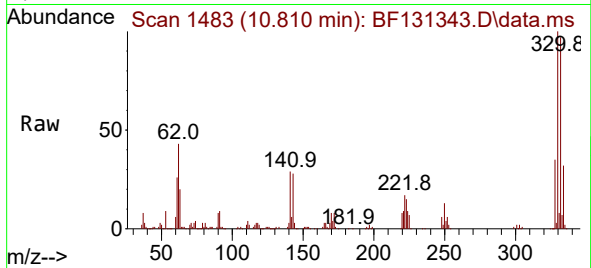




#42
2,4,6-Tribromophenol
Concen: 120.053 ng
RT: 10.810 min Scan# 1483
Delta R.T. -0.006 min
Lab File: BF131343.D
Acq: 22 Nov 2022 22:17

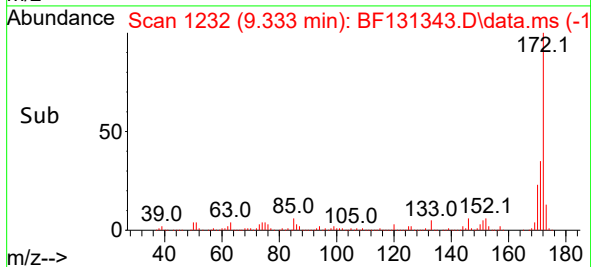
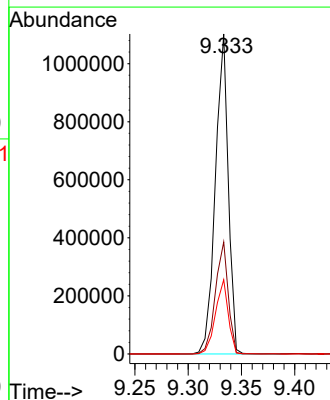
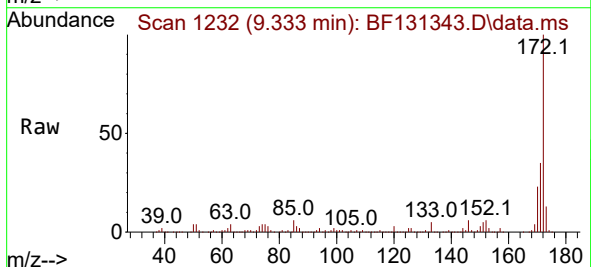
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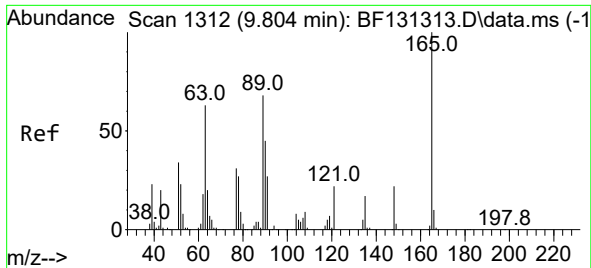
Tgt Ion:330 Resp: 194054
Ion Ratio Lower Upper
330 100
332 96.5 77.5 116.3
141 36.1 29.3 43.9



#45
2-Fluorobiphenyl
Concen: 70.133 ng
RT: 9.333 min Scan# 1232
Delta R.T. -0.006 min
Lab File: BF131343.D
Acq: 22 Nov 2022 22:17

Tgt Ion:172 Resp: 926212
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.2
170 23.2 18.7 28.1

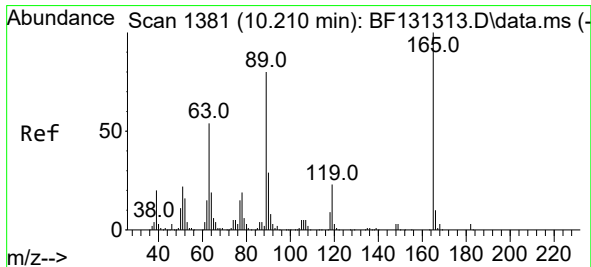
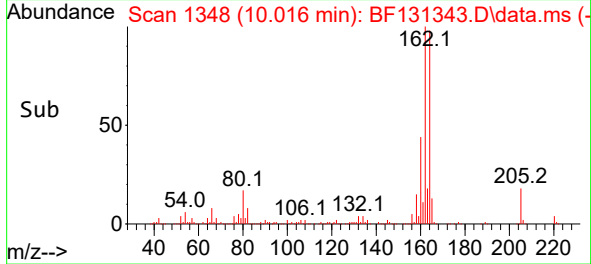
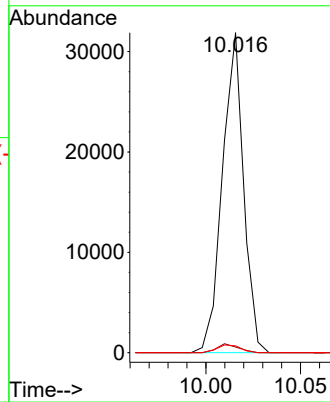
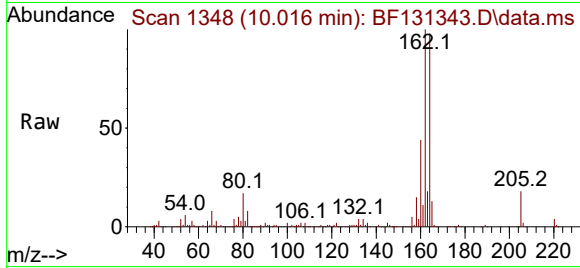




#51
2,6-Dinitrotoluene
Concen: 9.260 ng
RT: 10.016 min Scan# 1312
Delta R.T. 0.212 min
Lab File: BF131343.D
Acq: 22 Nov 2022 22:17

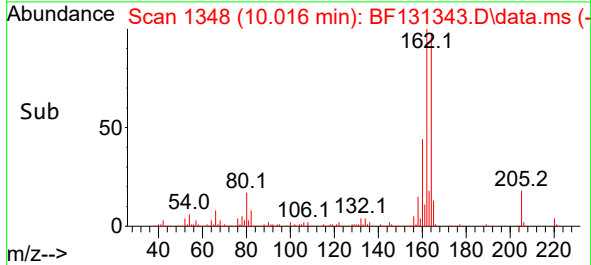
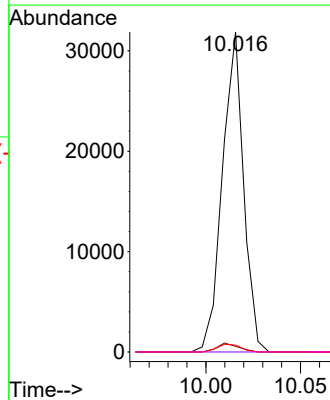
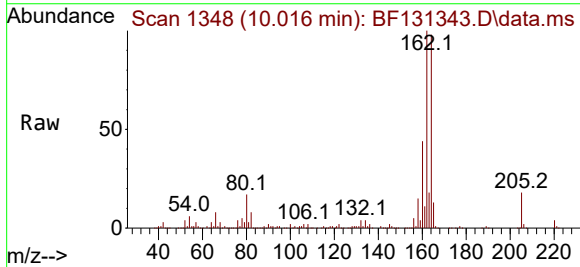
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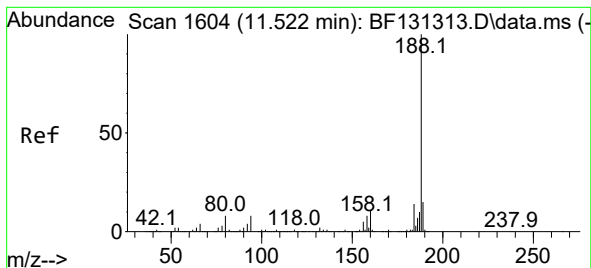
Tgt Ion:165 Resp: 24789
Ion Ratio Lower Upper
165 100
63 1.8 62.0 93.0#
89 2.2 54.4 81.6#



#57
2,4-Dinitrotoluene
Concen: 7.359 ng
RT: 10.016 min Scan# 1348
Delta R.T. -0.194 min
Lab File: BF131343.D
Acq: 22 Nov 2022 22:17

Tgt Ion:165 Resp: 24789
Ion Ratio Lower Upper
165 100
63 1.8 43.4 65.2#
89 2.2 64.0 96.0#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.510 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF131343.D

Acq: 22 Nov 2022 22:17

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-16

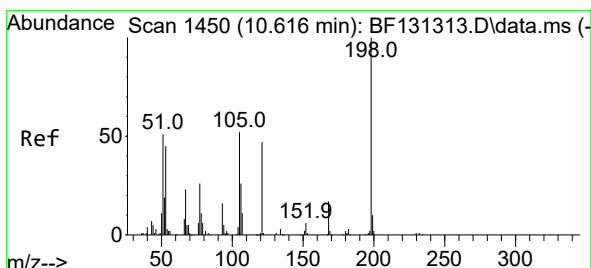
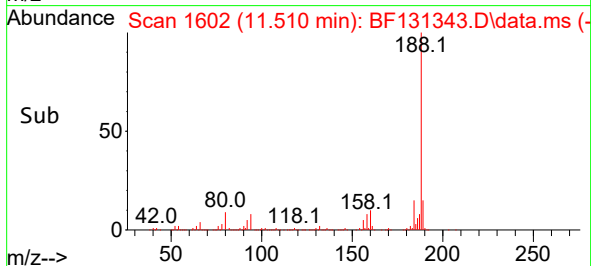
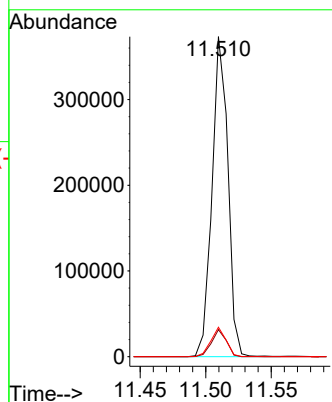
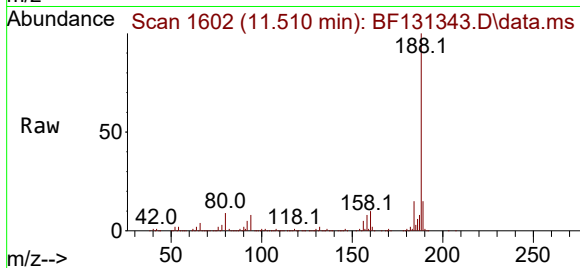
Tgt Ion:188 Resp: 314946

Ion Ratio Lower Upper

188 100

94 8.5 6.3 9.5

80 9.2 6.8 10.2



#65

4,6-Dinitro-2-methylphenol

Concen: 5.006 ng

RT: 10.804 min Scan# 1482

Delta R.T. 0.188 min

Lab File: BF131343.D

Acq: 22 Nov 2022 22:17

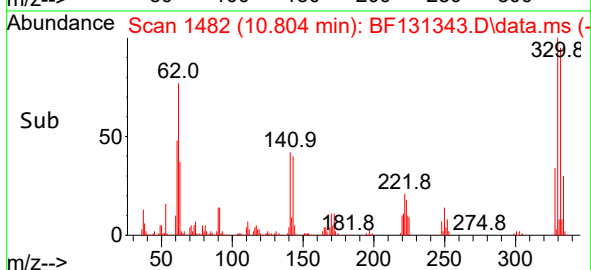
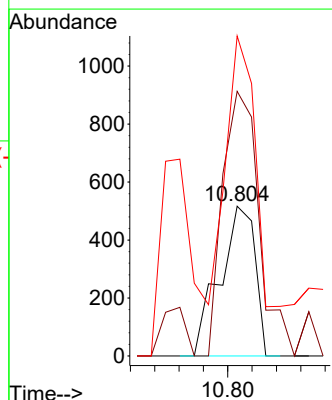
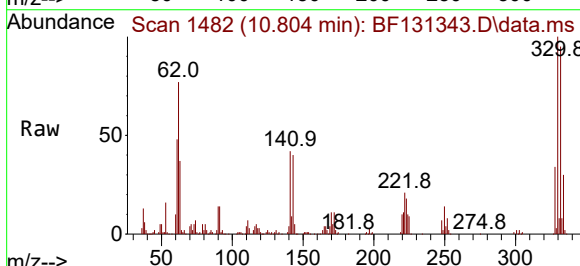
Tgt Ion:198 Resp: 521

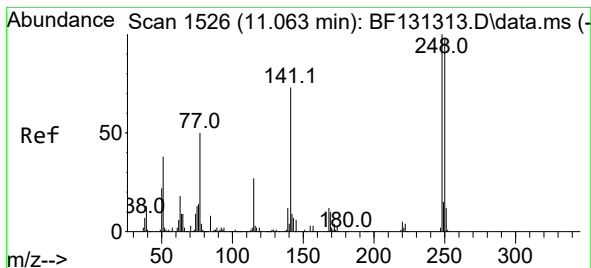
Ion Ratio Lower Upper

198 100

51 176.6 50.1 90.1#

105 213.5 32.5 72.5#

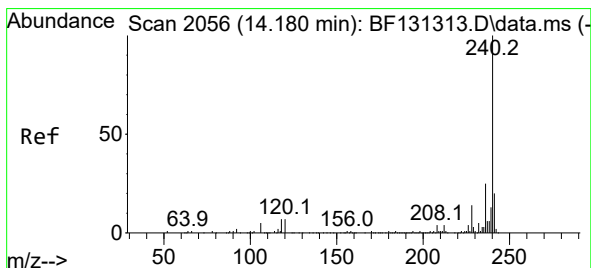
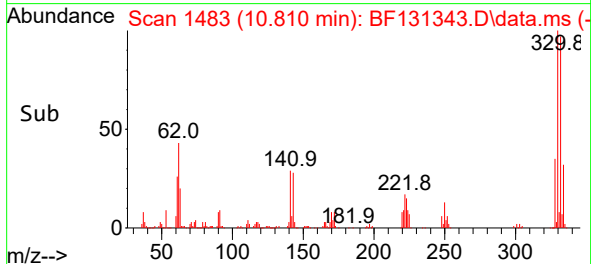
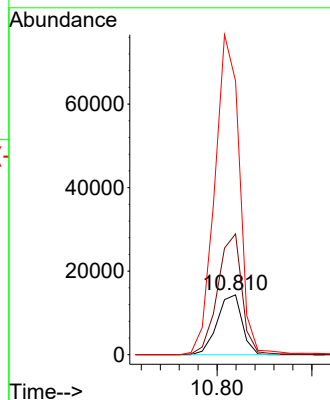
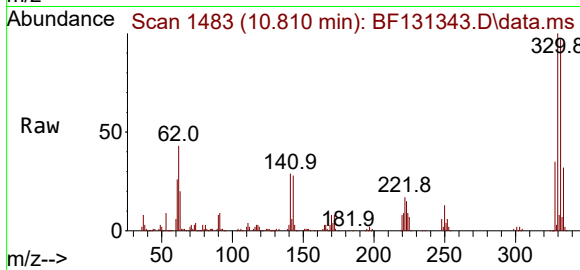




#67
4-Bromophenyl-phenylether
Concen: 3.387 ng
RT: 10.810 min Scan# 1483
Delta R.T. -0.253 min
Lab File: BF131343.D
Acq: 22 Nov 2022 22:17

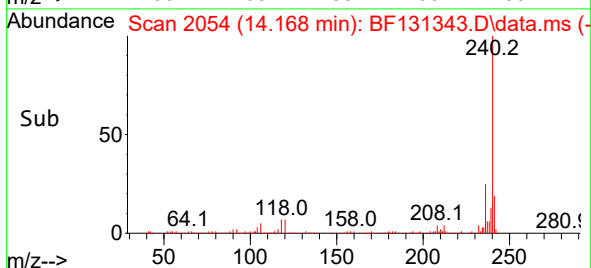
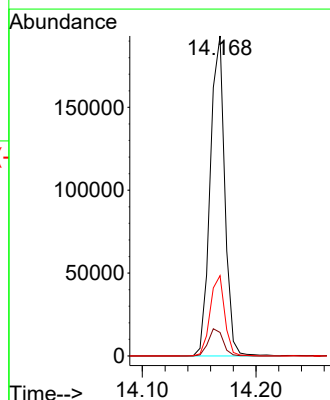
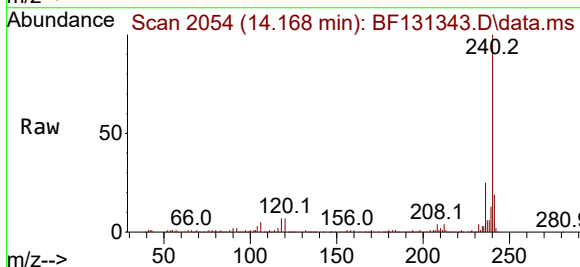
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16

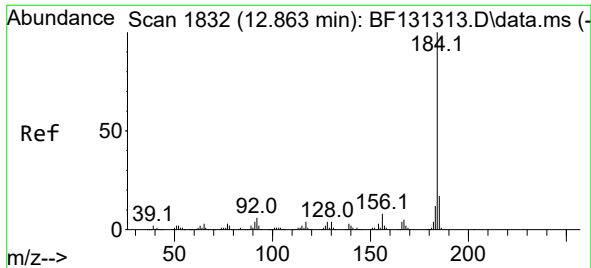
Tgt Ion:248 Resp: 13073
Ion Ratio Lower Upper
248 100
250 201.7 78.3 117.5#
141 457.0 58.0 87.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.168 min Scan# 2054
Delta R.T. -0.012 min
Lab File: BF131343.D
Acq: 22 Nov 2022 22:17

Tgt Ion:240 Resp: 171601
Ion Ratio Lower Upper
240 100
120 7.3 5.8 8.8
236 25.1 20.3 30.5

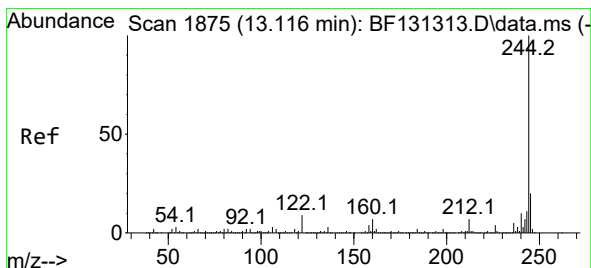
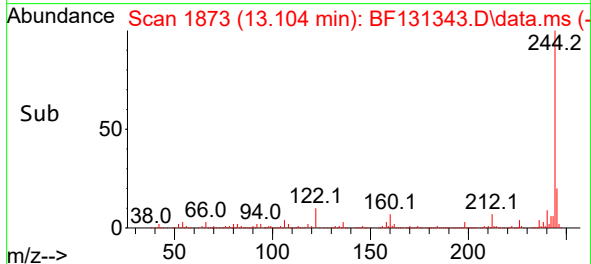
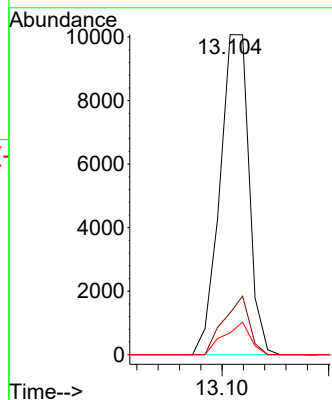
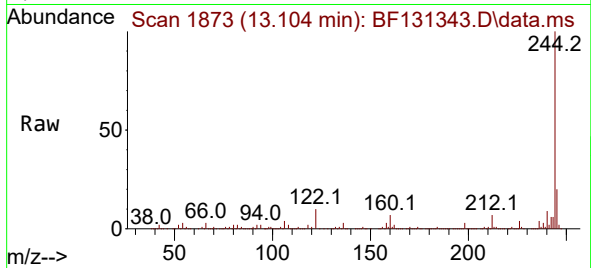




#77
Benzidine
Concen: 3.024 ng
RT: 13.104 min Scan# 1873
Delta R.T. 0.241 min
Lab File: BF131343.D
Acq: 22 Nov 2022 22:17

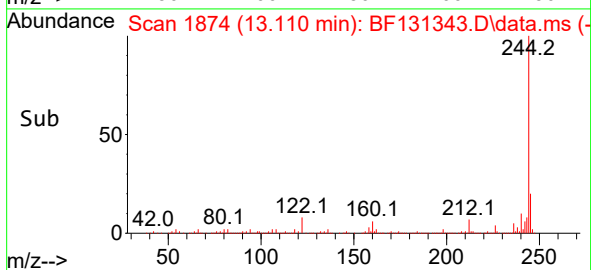
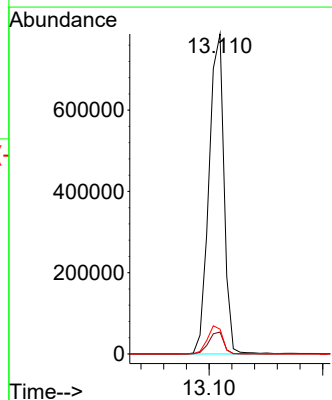
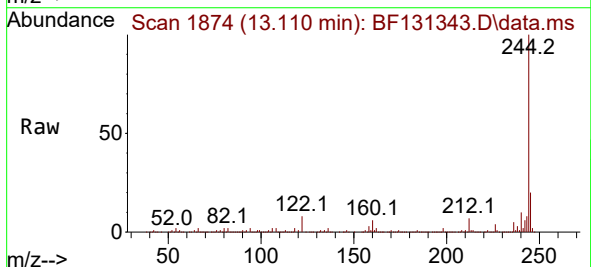
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16

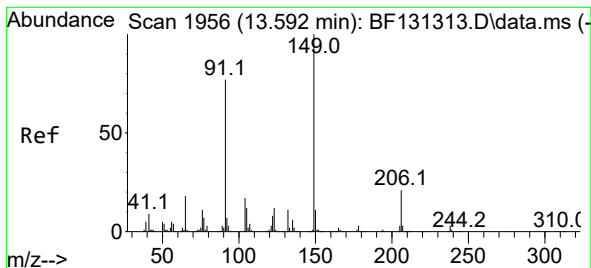
Tgt Ion:184 Resp: 9584
Ion Ratio Lower Upper
184 100
185 13.0 13.8 20.8#
183 6.8 9.6 14.4#



#79
Terphenyl-d14
Concen: 68.937 ng
RT: 13.110 min Scan# 1874
Delta R.T. -0.006 min
Lab File: BF131343.D
Acq: 22 Nov 2022 22:17

Tgt Ion:244 Resp: 723412
Ion Ratio Lower Upper
244 100
212 6.9 5.9 8.9
122 7.7 7.5 11.3





#80

Butylbenzylphthalate

Concen: 4.231 ng

RT: 13.580 min Scan# 1954

Delta R.T. -0.012 min

Lab File: BF131343.D

Acq: 22 Nov 2022 22:17

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-16

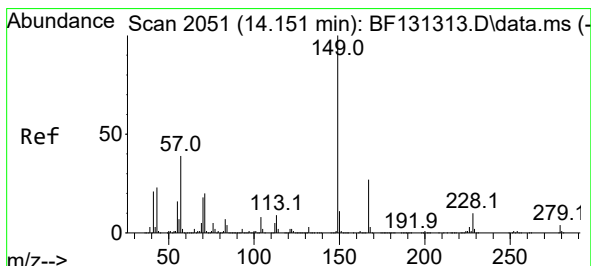
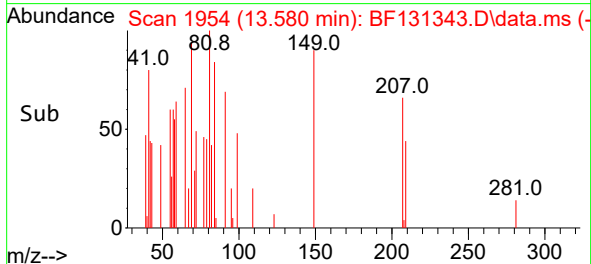
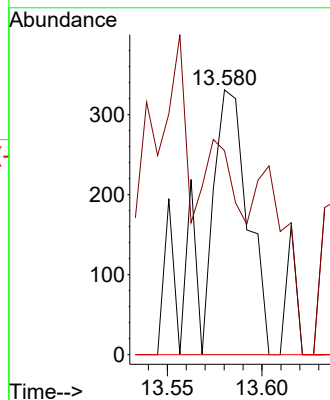
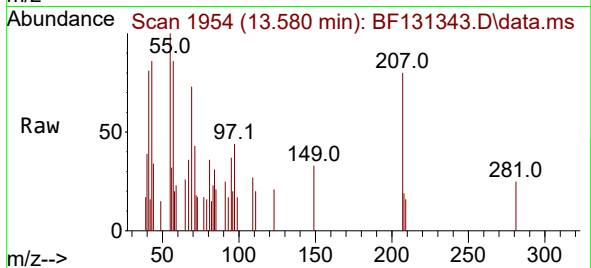
Tgt Ion:149 Resp: 489

Ion Ratio Lower Upper

149 100

91 77.0 61.9 92.9

206 0.0 16.5 24.7#



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.069 ng

RT: 14.145 min Scan# 2050

Delta R.T. -0.006 min

Lab File: BF131343.D

Acq: 22 Nov 2022 22:17

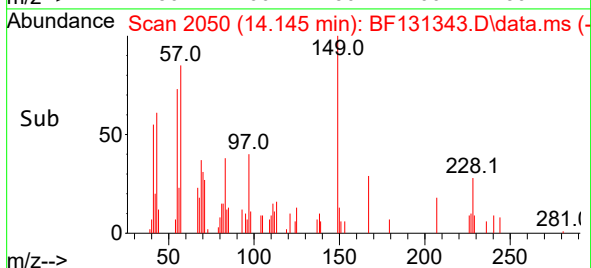
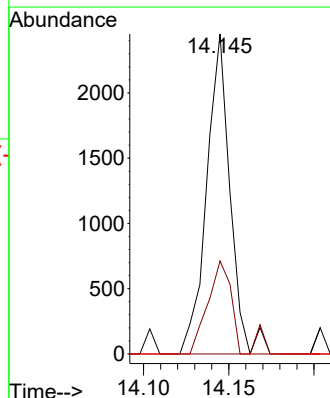
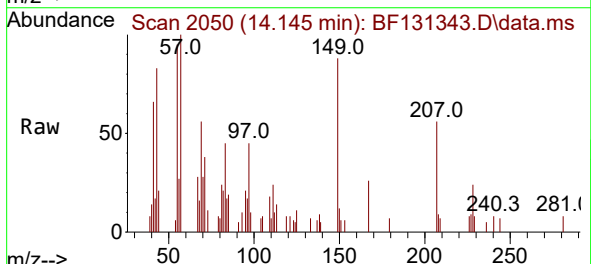
Tgt Ion:149 Resp: 2350

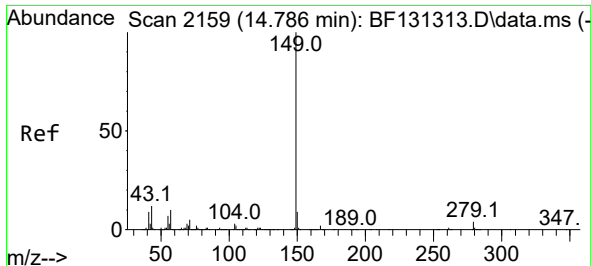
Ion Ratio Lower Upper

149 100

167 29.0 21.9 32.9

279 0.0 3.0 4.4#

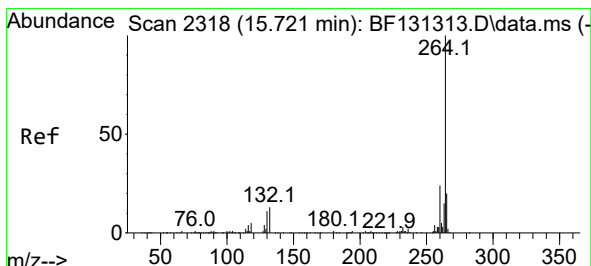
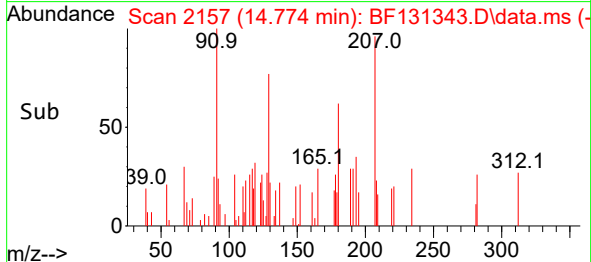
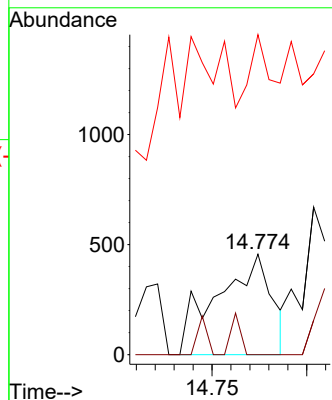
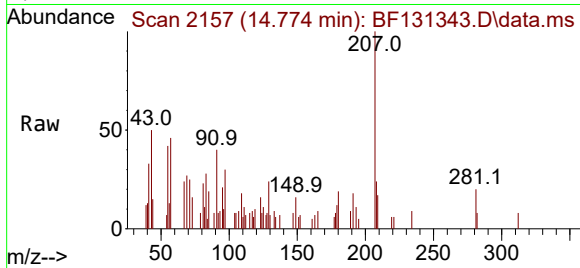




#85
Di-n-octyl phthalate
Concen: 4.010 ng
RT: 14.774 min Scan# 2157
Delta R.T. -0.012 min
Lab File: BF131343.D
Acq: 22 Nov 2022 22:17

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16

Tgt Ion:149 Resp: 914
Ion Ratio Lower Upper
149 100
167 7.3 1.2 1.8#
43 0.0 10.7 16.1#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.709 min Scan# 2316
Delta R.T. -0.012 min
Lab File: BF131343.D
Acq: 22 Nov 2022 22:17

Tgt Ion:264 Resp: 198199
Ion Ratio Lower Upper
264 100
260 24.5 19.0 28.4
265 21.0 16.4 24.6

