

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
 Data File : BF131368.D
 Acq On : 23 Nov 2022 18:53
 Operator : CG\JU
 Sample : N5641-14
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-14

Quant Time: Nov 24 05:56:58 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)

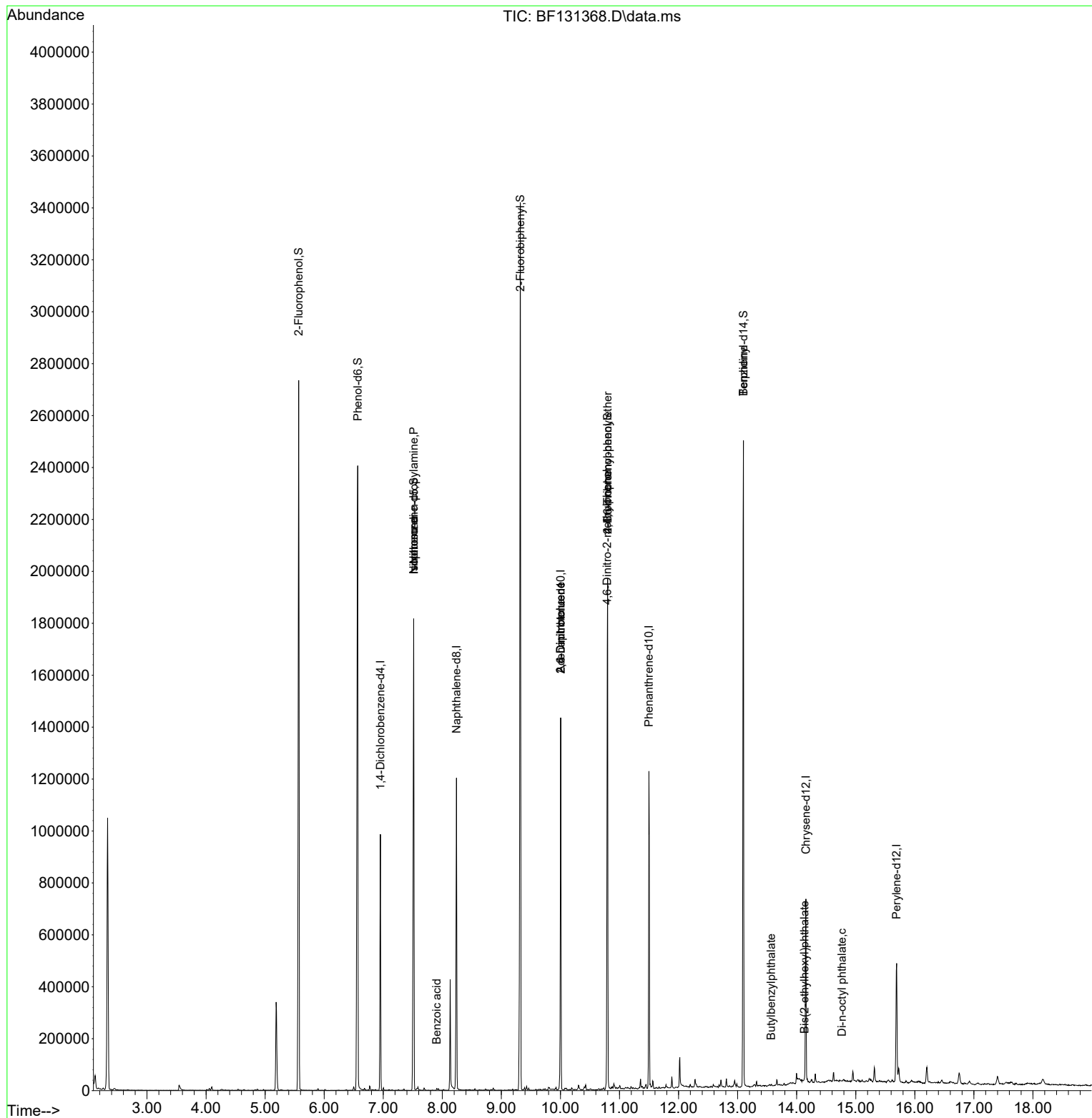
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	134051	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	490066	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	270986	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	435151	20.000	ng	0.00
76) Chrysene-d12	14.157	240	248098	20.000	ng	0.00
86) Perylene-d12	15.692	264	226334	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	710360	100.855	ng	0.01
7) Phenol-d6	6.569	99	885919	98.583	ng	0.00
23) Nitrobenzene-d5	7.516	82	592699	60.966	ng	0.00
42) 2,4,6-Tribromophenol	10.798	330	217415	95.365	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1068279	57.352	ng	0.00
79) Terphenyl-d14	13.098	244	895642	59.034	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.498	77	81	Below Cal		89
19) n-Nitroso-di-n-propyla...	7.516	70	83221	12.650 ng	#	74
25) Isophorone	7.516	82	591960	34.129 ng	#	68
32) Benzoic acid	7.904	122	1428	5.529 ng		85
51) 2,6-Dinitrotoluene	10.004	165	35237	9.332 ng	#	15
57) 2,4-Dinitrotoluene	10.004	165	35237	7.417 ng	#	19
65) 4,6-Dinitro-2-methylph...	10.792	198	475	4.858 ng	#	1
67) 4-Bromophenyl-phenylether	10.798	248	14501	2.719 ng	#	1
77) Benzidine	13.098	184	12295	2.683 ng	#	95
80) Butylbenzylphthalate	13.568	149	215	4.170 ng	#	5
84) Bis(2-ethylhexyl)phtha...	14.133	149	3785	4.106 ng	#	96
85) Di-n-octyl phthalate	14.768	149	683	3.958 ng	#	1

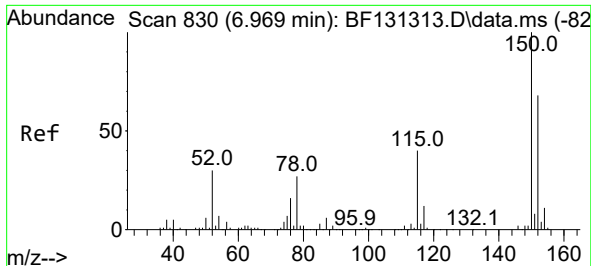
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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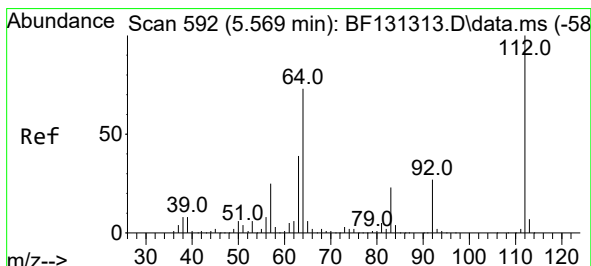
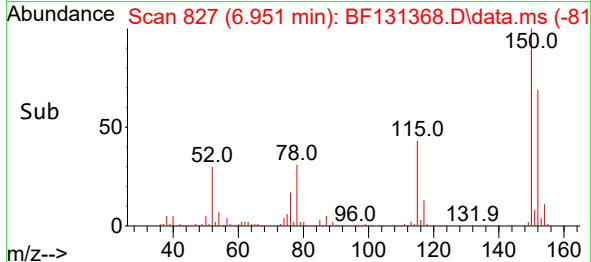
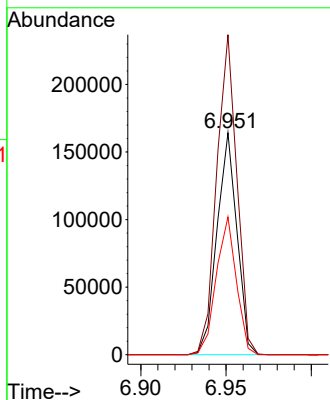
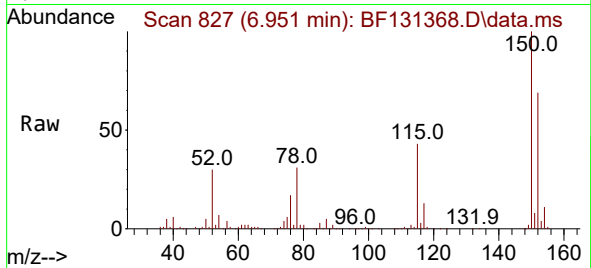




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.951 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131368.D
Acq: 23 Nov 2022 18:53

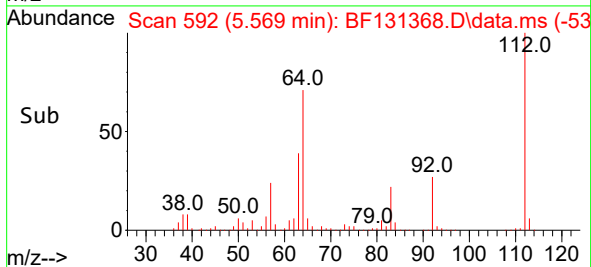
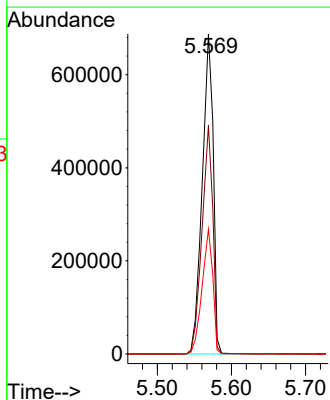
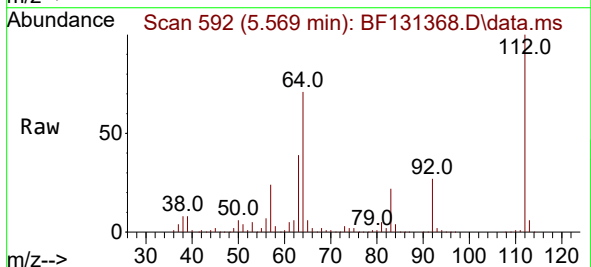
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-14

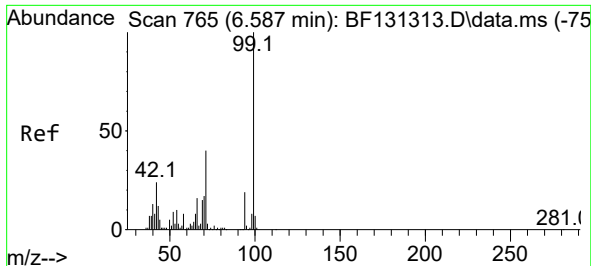
Tgt Ion:152 Resp: 134051
Ion Ratio Lower Upper
152 100
150 144.2 117.8 176.8
115 62.1 47.1 70.7



#5
2-Fluorophenol
Concen: 100.855 ng
RT: 5.569 min Scan# 592
Delta R.T. 0.012 min
Lab File: BF131368.D
Acq: 23 Nov 2022 18:53

Tgt Ion:112 Resp: 710360
Ion Ratio Lower Upper
112 100
64 71.5 58.6 88.0
63 39.0 31.4 47.0

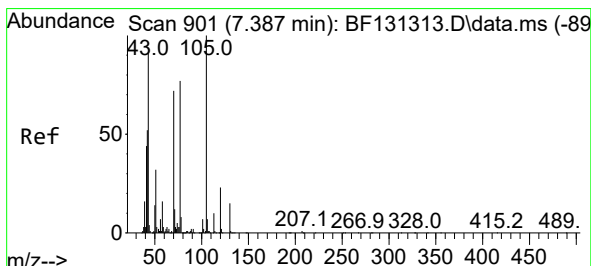
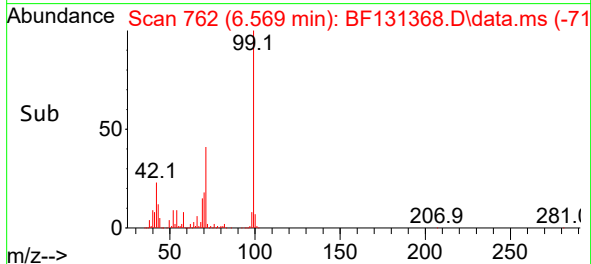
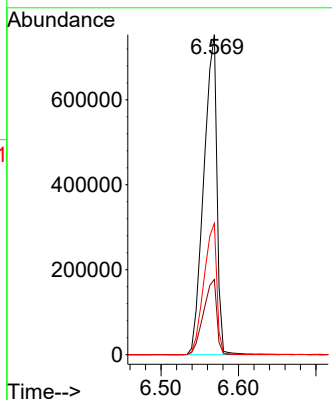
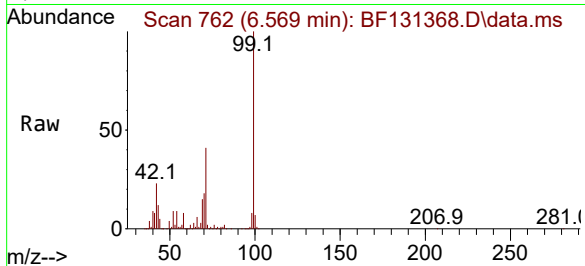




#7
Phenol-d6
Concen: 98.583 ng
RT: 6.569 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF131368.D
Acq: 23 Nov 2022 18:53

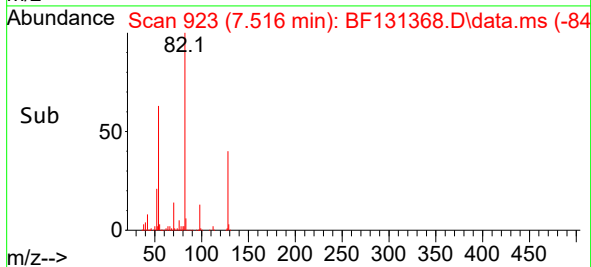
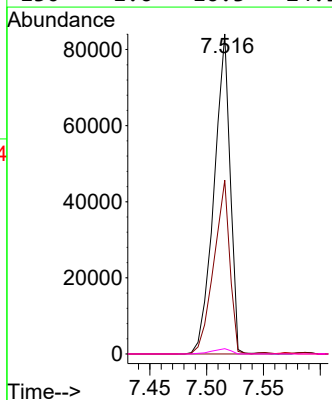
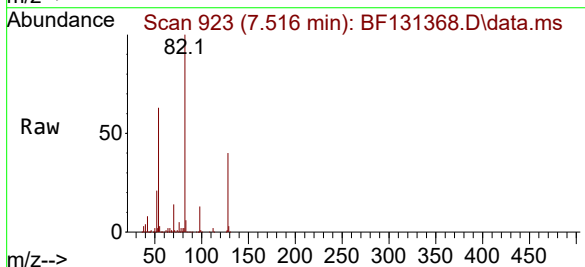
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-14

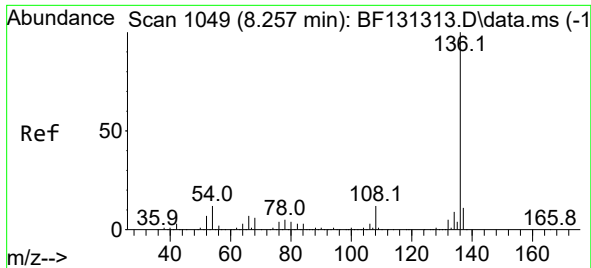
Tgt Ion: 99 Resp: 885919
Ion Ratio Lower Upper
99 100
42 23.5 19.4 29.2
71 41.0 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 12.650 ng
RT: 7.516 min Scan# 923
Delta R.T. 0.147 min
Lab File: BF131368.D
Acq: 23 Nov 2022 18:53

Tgt Ion: 70 Resp: 83221
Ion Ratio Lower Upper
70 100
42 54.3 57.6 86.4#
101 0.0 8.2 12.2#
130 1.6 16.3 24.5#

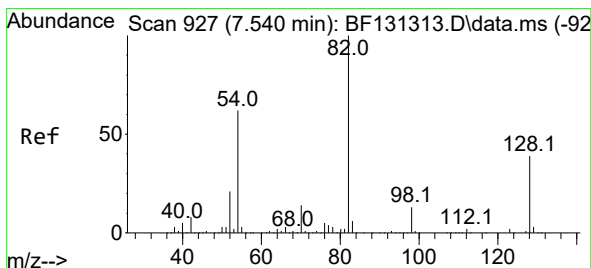
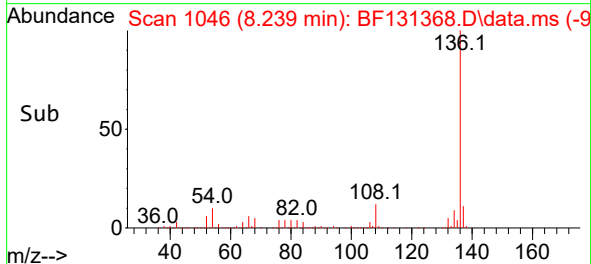
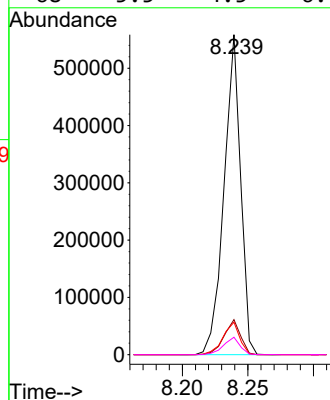
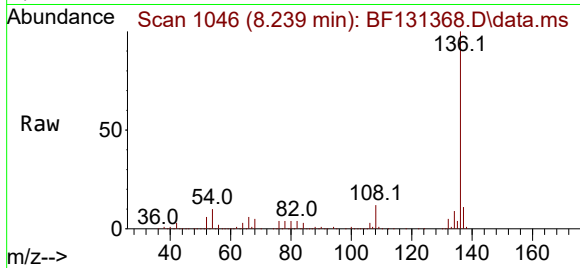




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BF131368.D
Acq: 23 Nov 2022 18:53

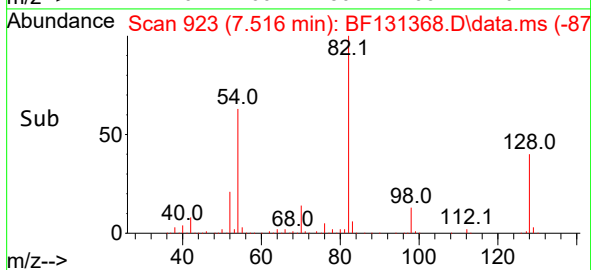
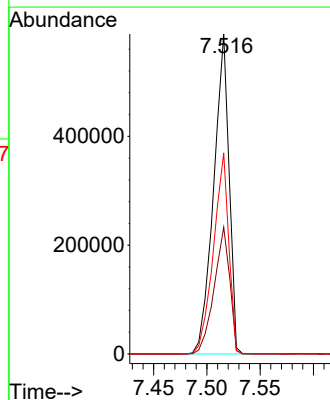
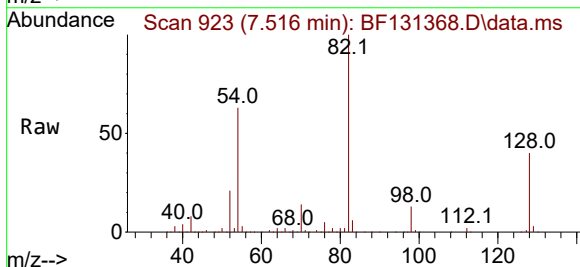
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-14

Tgt Ion:136 Resp: 490066
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 10.2 9.4 14.0
68 5.5 4.5 6.7



#23
Nitrobenzene-d5
Concen: 60.966 ng
RT: 7.516 min Scan# 923
Delta R.T. -0.006 min
Lab File: BF131368.D
Acq: 23 Nov 2022 18:53

Tgt Ion: 82 Resp: 592699
Ion Ratio Lower Upper
82 100
128 39.6 31.4 47.0
54 62.9 49.8 74.6

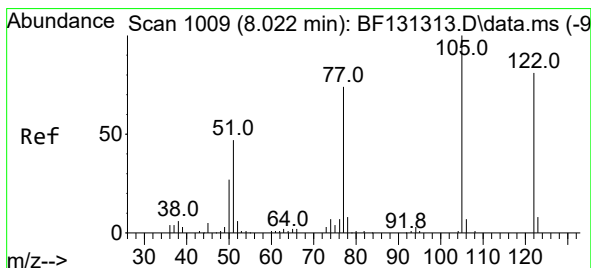
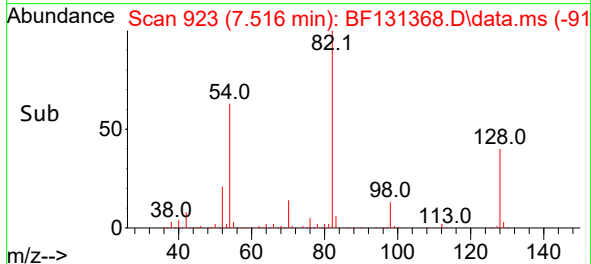
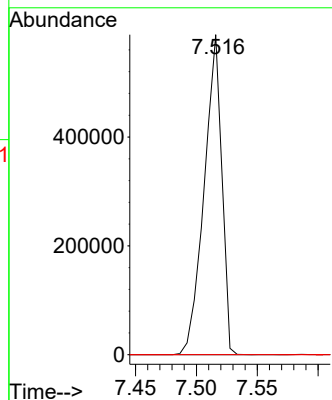
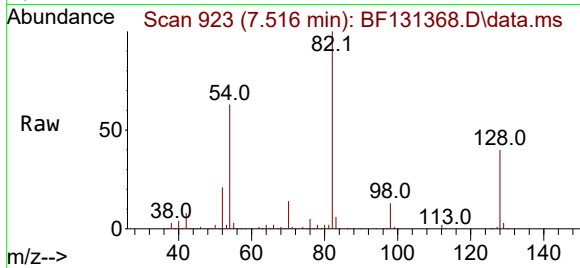




#25
Isophorone
Concen: 34.129 ng
RT: 7.516 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF131368.D
Acq: 23 Nov 2022 18:53

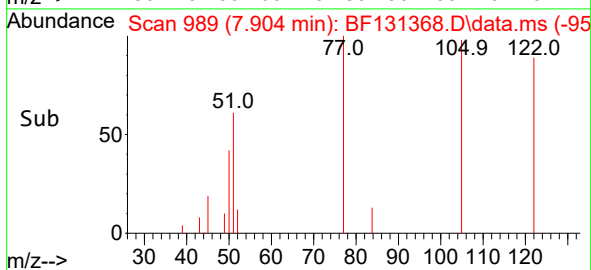
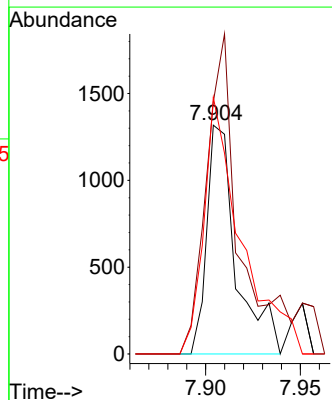
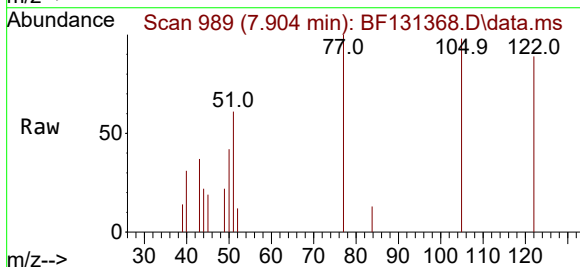
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-14

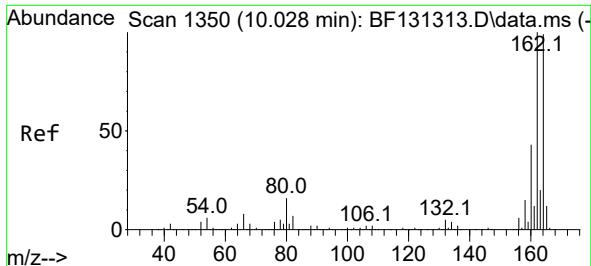
Tgt Ion: 82 Resp: 591960
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.7 19.1#



#32
Benzoic acid
Concen: 5.529 ng
RT: 7.904 min Scan# 989
Delta R.T. -0.094 min
Lab File: BF131368.D
Acq: 23 Nov 2022 18:53

Tgt Ion: 122 Resp: 1428
Ion Ratio Lower Upper
122 100
105 110.1 103.8 143.8
77 112.1 74.3 114.3

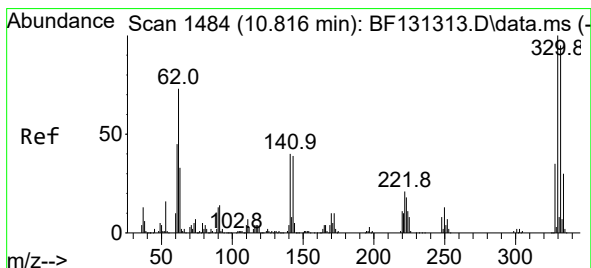
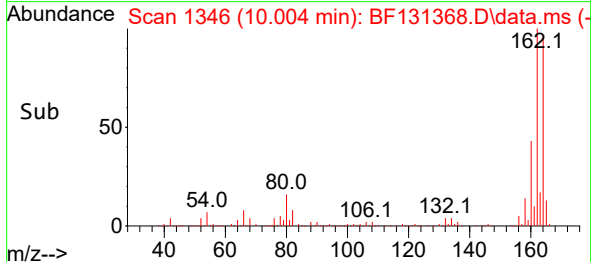
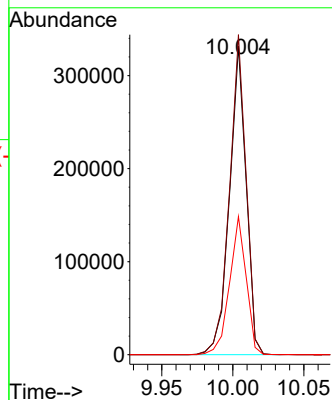
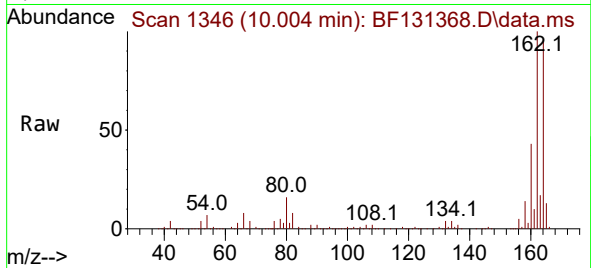




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131368.D
Acq: 23 Nov 2022 18:53

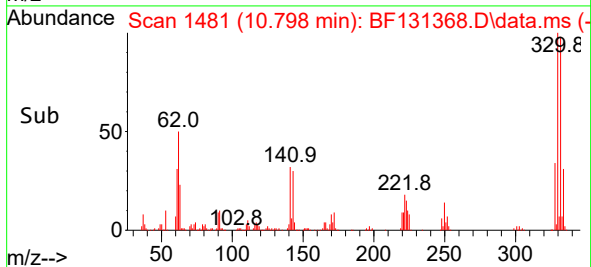
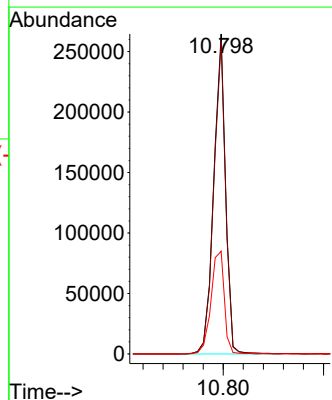
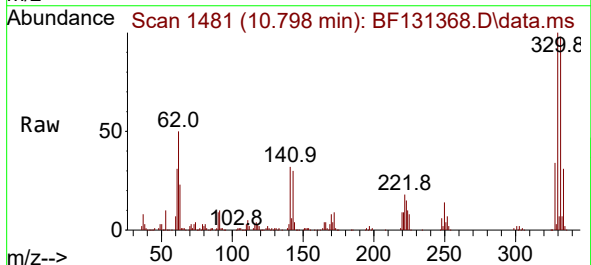
Instrument :
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SOIL-PILE-14

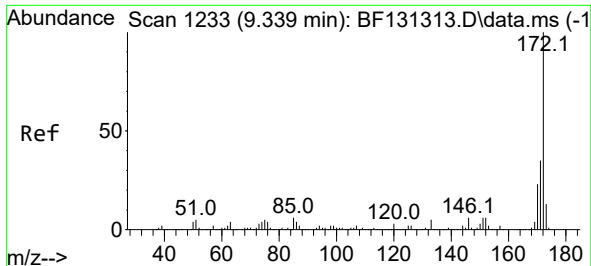
Tgt Ion:164 Resp: 270986
Ion Ratio Lower Upper
164 100
162 103.8 80.6 120.8
160 44.8 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 95.365 ng
RT: 10.798 min Scan# 1481
Delta R.T. -0.006 min
Lab File: BF131368.D
Acq: 23 Nov 2022 18:53

Tgt Ion:330 Resp: 217415
Ion Ratio Lower Upper
330 100
332 97.4 77.5 116.3
141 36.1 29.3 43.9





#45

2-Fluorobiphenyl

Concen: 57.352 ng

RT: 9.322 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF131368.D

Acq: 23 Nov 2022 18:53

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-14

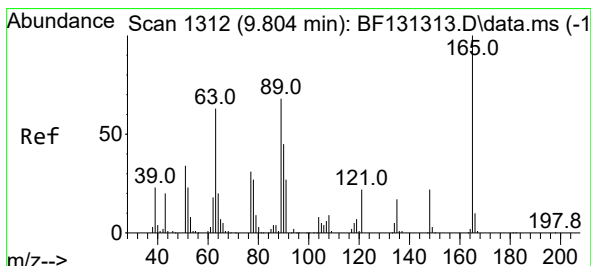
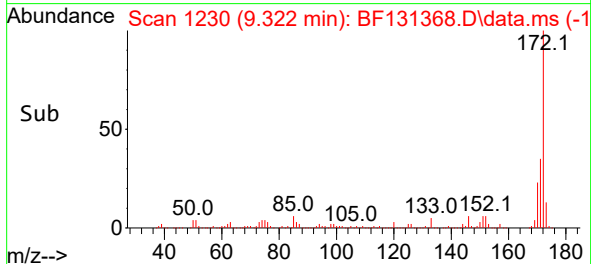
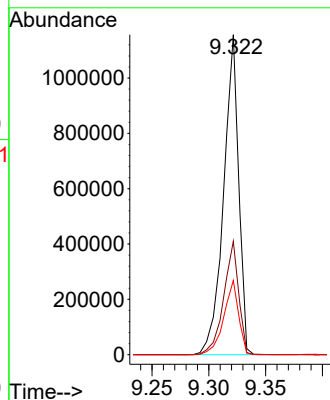
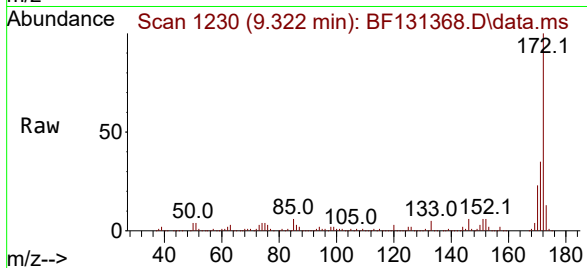
Tgt Ion:172 Resp: 1068279

Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.2

170 23.2 18.7 28.1



#51

2,6-Dinitrotoluene

Concen: 9.332 ng

RT: 10.004 min Scan# 1346

Delta R.T. 0.212 min

Lab File: BF131368.D

Acq: 23 Nov 2022 18:53

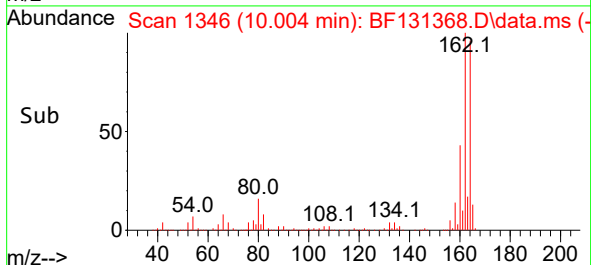
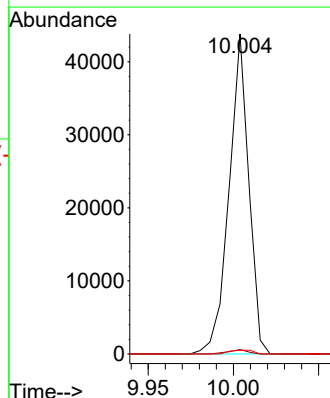
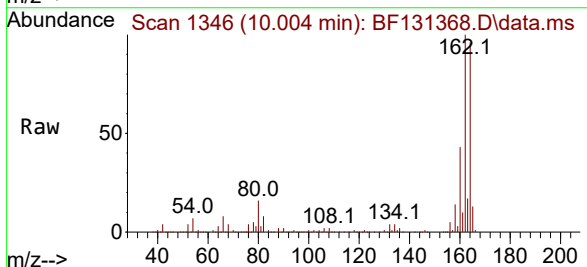
Tgt Ion:165 Resp: 35237

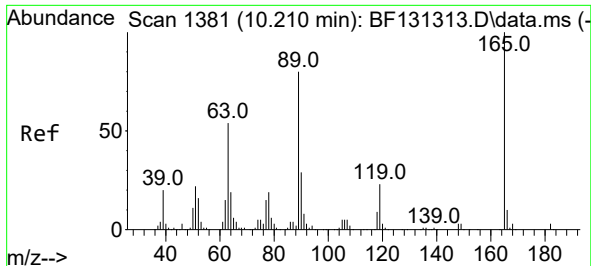
Ion Ratio Lower Upper

165 100

63 1.4 62.0 93.0#

89 1.2 54.4 81.6#

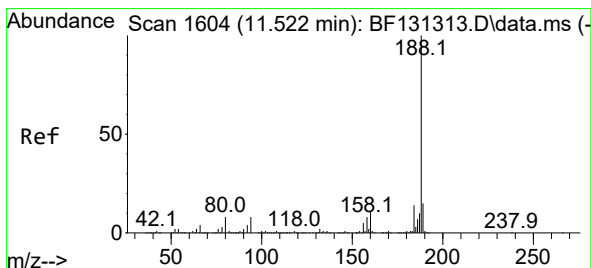
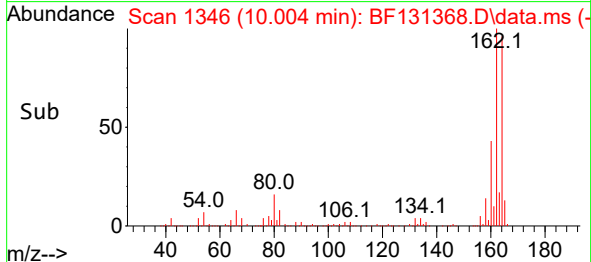
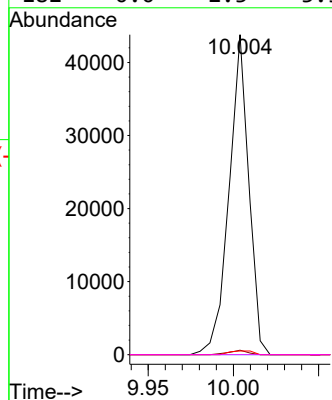
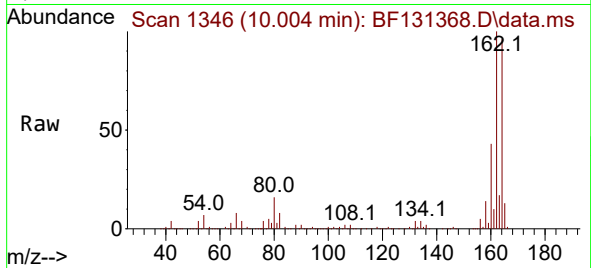




#57
2,4-Dinitrotoluene
Concen: 7.417 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF131368.D
Acq: 23 Nov 2022 18:53

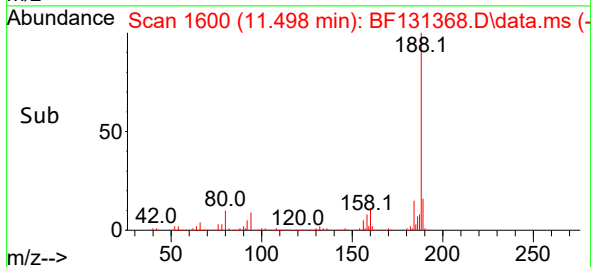
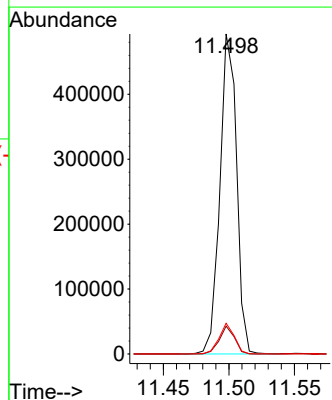
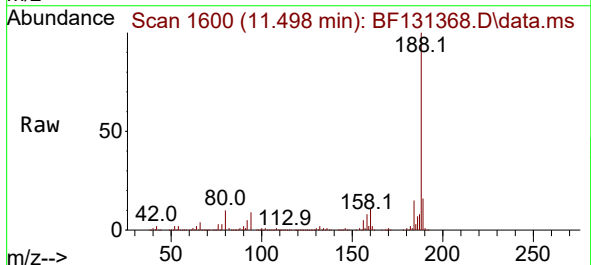
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-14

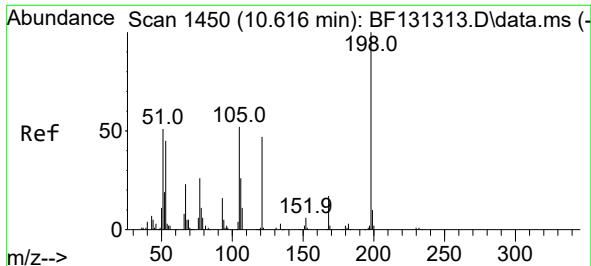
Tgt Ion:165 Resp: 35237
Ion Ratio Lower Upper
165 100
63 1.4 43.4 65.2#
89 1.2 64.0 96.0#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 1600
Delta R.T. -0.006 min
Lab File: BF131368.D
Acq: 23 Nov 2022 18:53

Tgt Ion:188 Resp: 435151
Ion Ratio Lower Upper
188 100
94 8.7 6.3 9.5
80 9.6 6.8 10.2

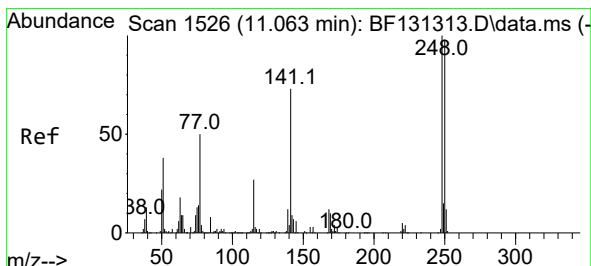
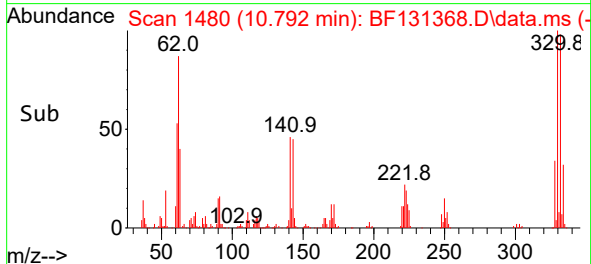
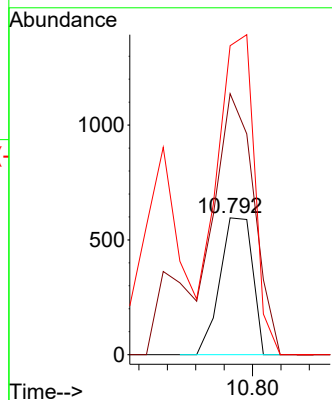
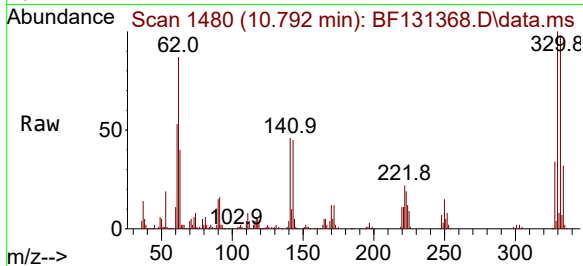




#65
4,6-Dinitro-2-methylphenol
Concen: 4.858 ng
RT: 10.792 min Scan# 1450
Delta R.T. 0.188 min
Lab File: BF131368.D
Acq: 23 Nov 2022 18:53

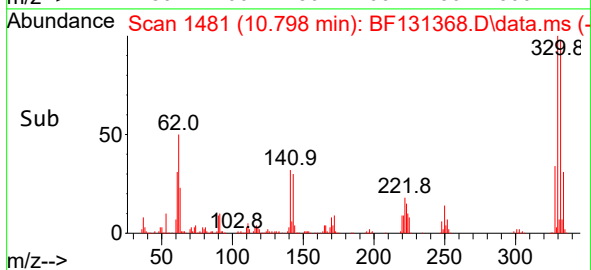
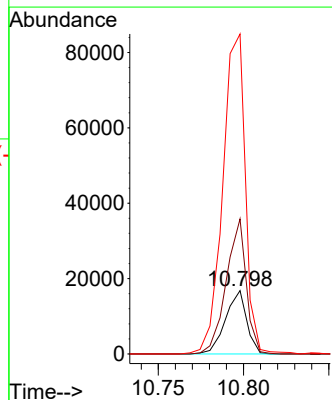
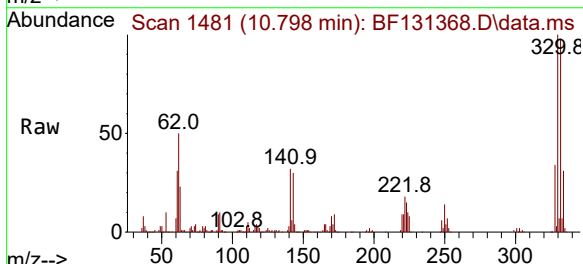
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-14

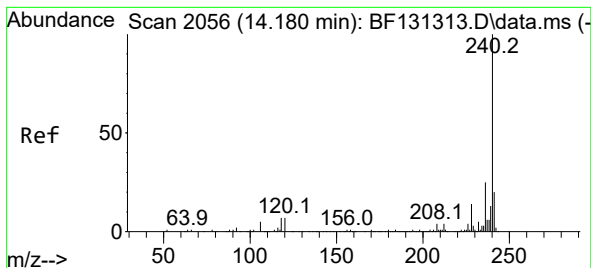
Tgt Ion:198 Resp: 475
Ion Ratio Lower Upper
198 100
51 190.8 50.1 90.1#
105 225.8 32.5 72.5#



#67
4-Bromophenyl-phenylether
Concen: 2.719 ng
RT: 10.798 min Scan# 1481
Delta R.T. -0.247 min
Lab File: BF131368.D
Acq: 23 Nov 2022 18:53

Tgt Ion:248 Resp: 14501
Ion Ratio Lower Upper
248 100
250 213.2 78.3 117.5#
141 504.9 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: BF131368.D

Acq: 23 Nov 2022 18:53

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-14

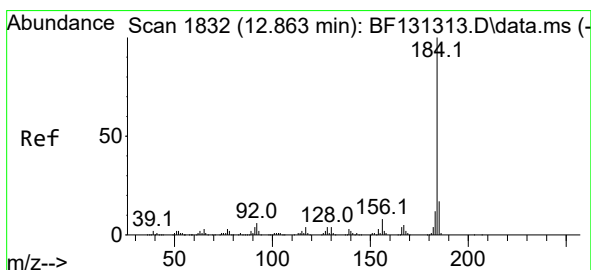
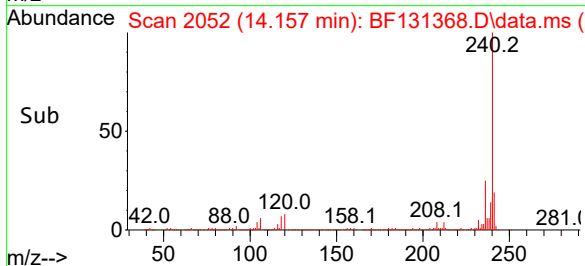
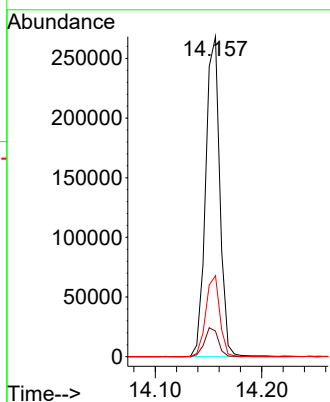
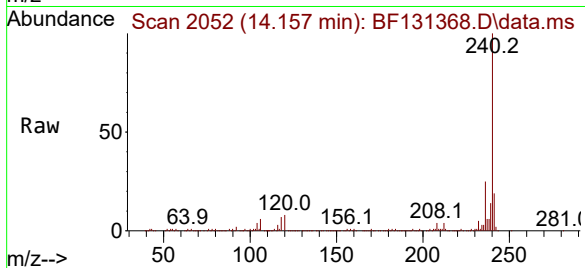
Tgt Ion:240 Resp: 248098

Ion Ratio Lower Upper

240 100

120 8.0 5.8 8.8

236 25.3 20.3 30.5



#77

Benidine

Concen: 2.683 ng

RT: 13.098 min Scan# 1872

Delta R.T. 0.253 min

Lab File: BF131368.D

Acq: 23 Nov 2022 18:53

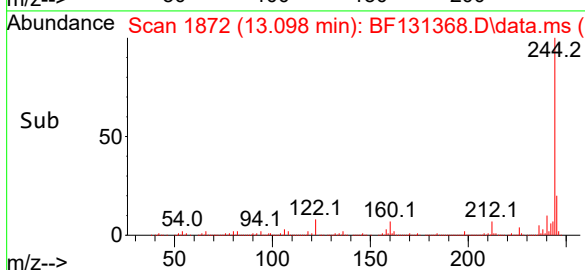
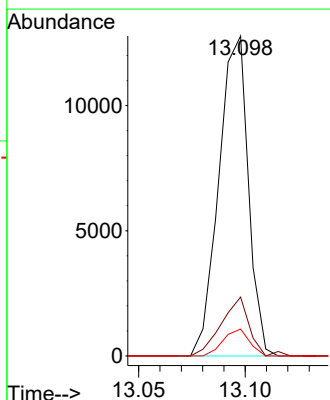
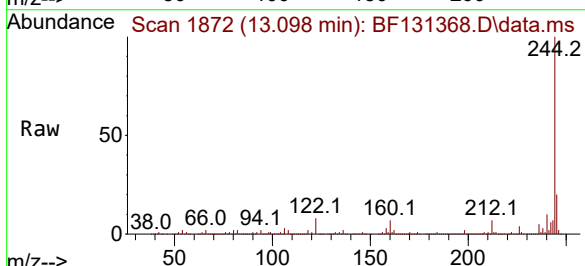
Tgt Ion:184 Resp: 12295

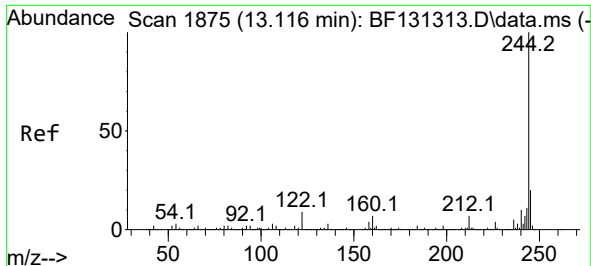
Ion Ratio Lower Upper

184 100

185 18.4 13.8 20.8

183 8.4 9.6 14.4#

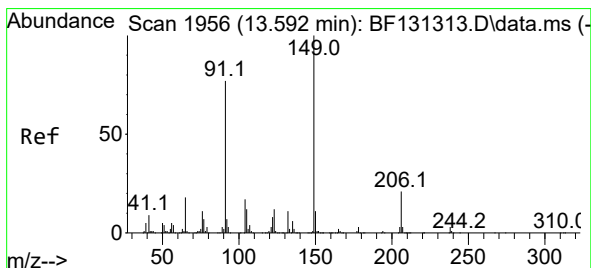
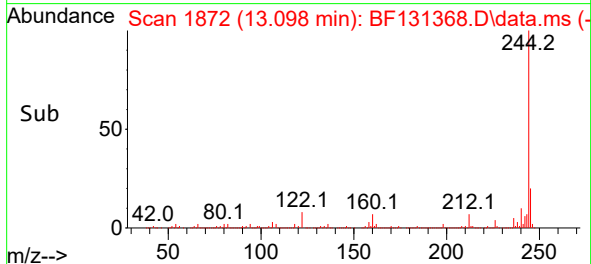
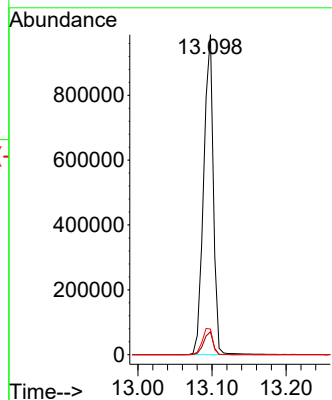
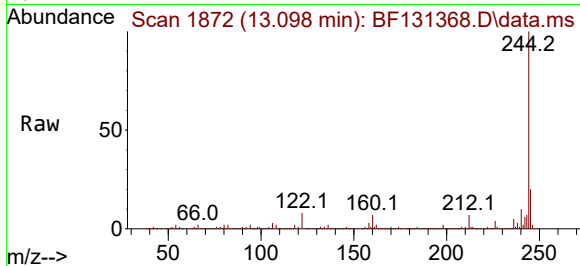




#79
 Terphenyl-d14
 Concen: 59.034 ng
 RT: 13.098 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF131368.D
 Acq: 23 Nov 2022 18:53

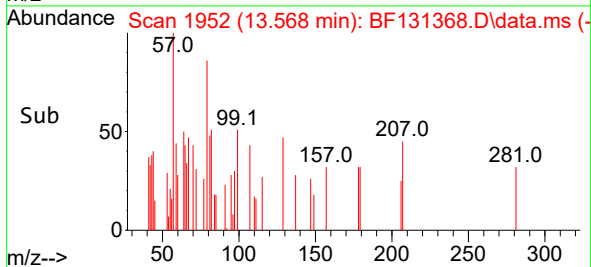
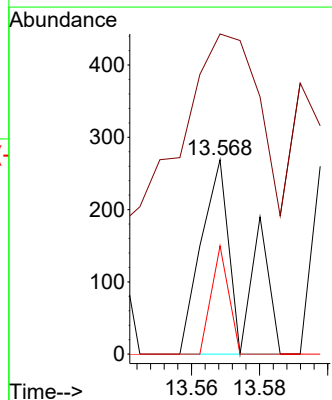
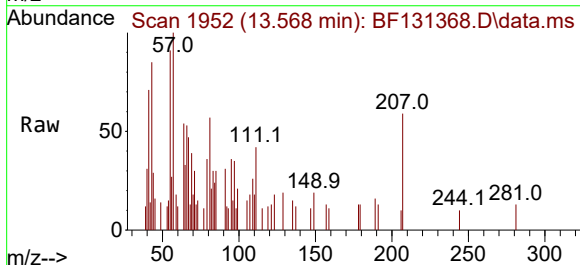
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-14

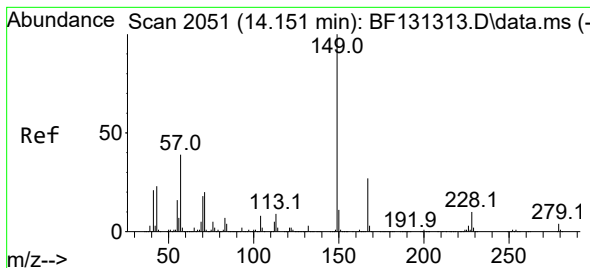
Tgt Ion:244 Resp: 895642
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 8.0 7.5 11.3



#80
 Butylbenzylphthalate
 Concen: 4.170 ng
 RT: 13.568 min Scan# 1952
 Delta R.T. -0.006 min
 Lab File: BF131368.D
 Acq: 23 Nov 2022 18:53

Tgt Ion:149 Resp: 215
 Ion Ratio Lower Upper
 149 100
 91 164.7 61.9 92.9#
 206 55.8 16.5 24.7#





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.106 ng

RT: 14.133 min Scan# 2051

Delta R.T. -0.000 min

Lab File: BF131368.D

Acq: 23 Nov 2022 18:53

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-14

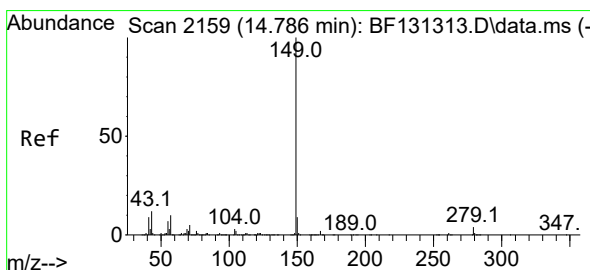
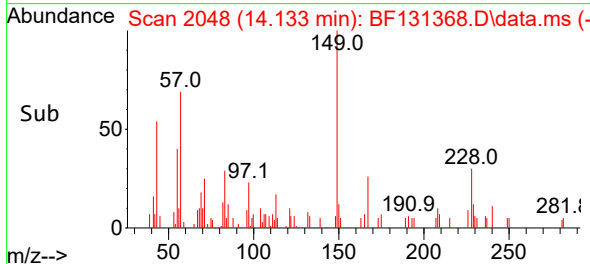
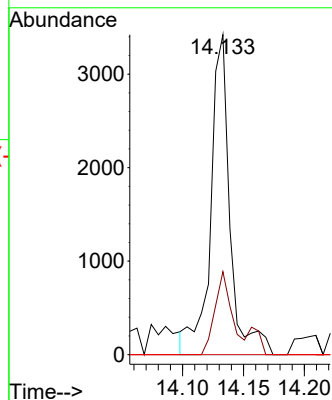
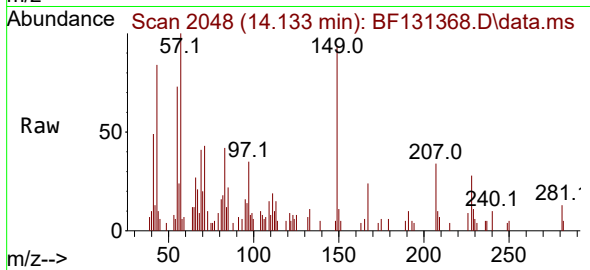
Tgt Ion:149 Resp: 3785

Ion Ratio Lower Upper

149 100

167 25.9 21.9 32.9

279 0.0 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: BF131368.D

Acq: 23 Nov 2022 18:53

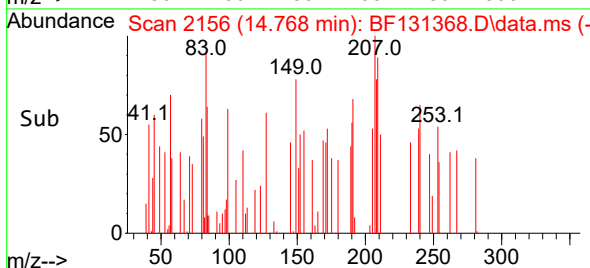
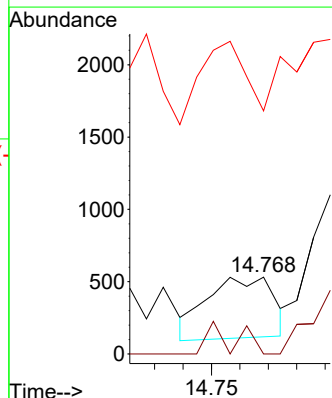
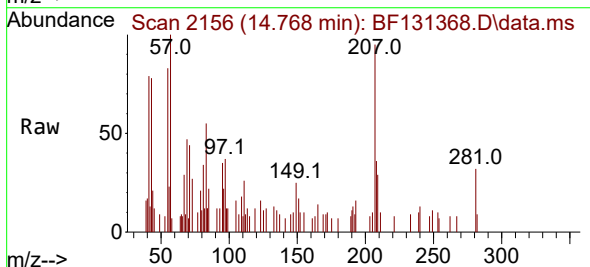
Tgt Ion:149 Resp: 683

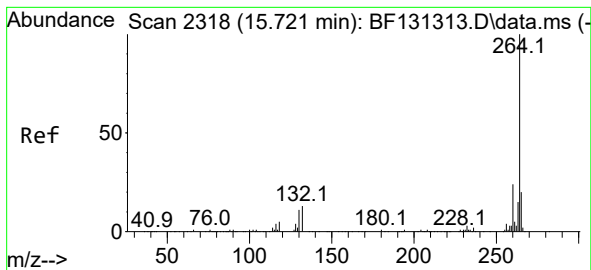
Ion Ratio Lower Upper

149 100

167 21.8 1.2 1.8#

43 95.3 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: BF131368.D
 Acq: 23 Nov 2022 18:53

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-14

Tgt Ion:264 Resp: 226334
 Ion Ratio Lower Upper
 264 100
 260 22.5 19.0 28.4
 265 21.7 16.4 24.6

