

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042023\
 Data File : BF132943.D
 Acq On : 20 Apr 2023 18:28
 Operator : CG\JU
 Sample : 02288-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS

Quant Time: Apr 21 02:15:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 20 14:15:37 2023
 Response via : Initial Calibration

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

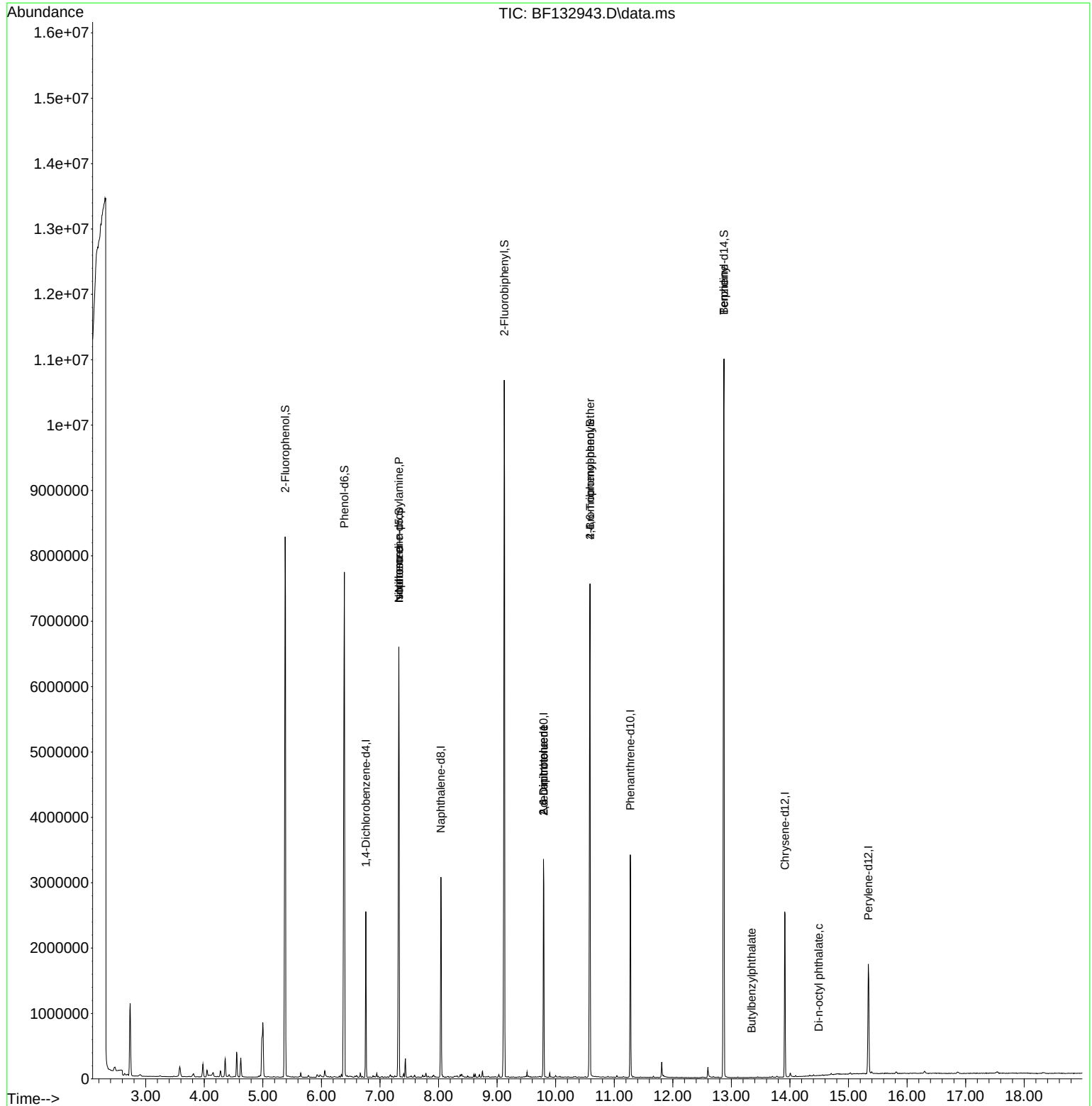
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	312244	20.000	ng	0.00
21) Naphthalene-d8	8.040	136	1245780	20.000	ng	0.00
39) Acenaphthene-d10	9.792	164	652374	20.000	ng	0.00
64) Phenanthrene-d10	11.275	188	1190720	20.000	ng	0.00
76) Chrysene-d12	13.916	240	836121	20.000	ng	0.00
86) Perylene-d12	15.339	264	706496	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	2630227	131.718	ng	0.02
7) Phenol-d6	6.393	99	3033073	119.034	ng	0.00
23) Nitrobenzene-d5	7.322	82	2270261	94.990	ng	0.00
42) 2,4,6-Tribromophenol	10.586	330	1050240	160.505	ng	0.00
45) 2-Fluorobiphenyl	9.122	172	3651747	85.992	ng	0.00
79) Terphenyl-d14	12.874	244	4346419	88.687	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.322	70	307737	19.349	ng	# 80
25) Isophorone	7.322	82	2267280	50.013	ng	# 65
51) 2,6-Dinitrotoluene	9.792	165	84616	8.557	ng	# 28
57) 2,4-Dinitrotoluene	9.792	165	84616	6.933	ng	# 23
67) 4-Bromophenyl-phenylether	10.586	248	61630	4.533	ng	# 1
77) Benzidine	12.874	184	51382	3.945	ng	# 95
80) Butylbenzylphthalate	13.345	149	466	5.159	ng	# 75
85) Di-n-octyl phthalate	14.492	149	651	6.395	ng	# 66

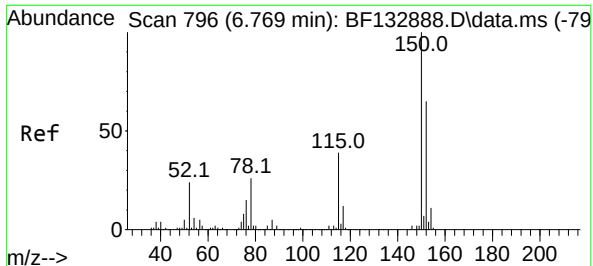
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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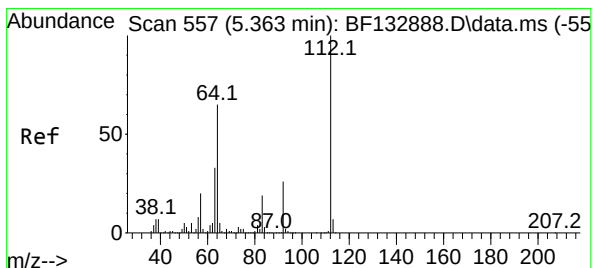
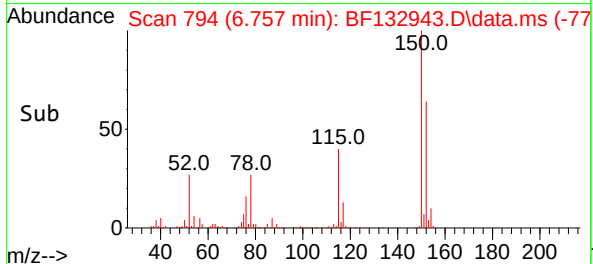
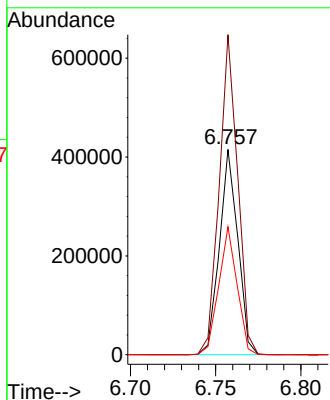
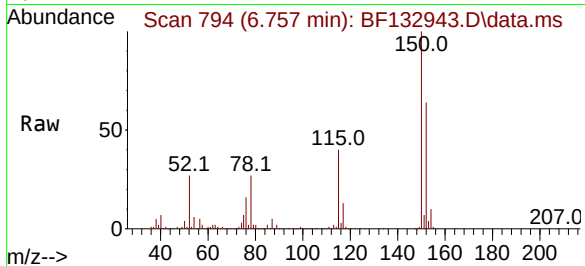




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 796
Delta R.T. 0.000 min
Lab File: BF132943.D
Acq: 20 Apr 2023 18:28

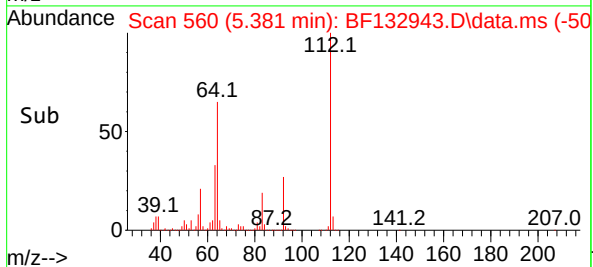
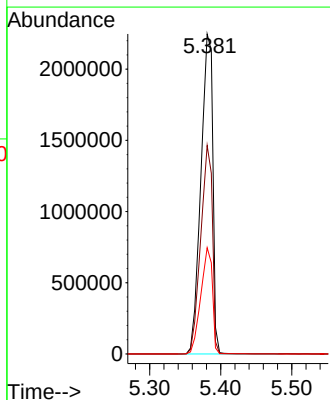
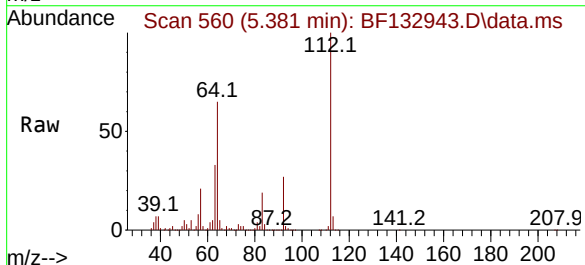
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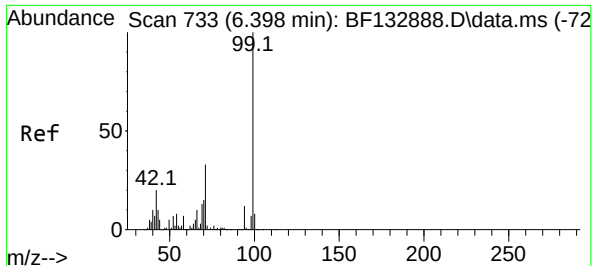
Tgt Ion:152 Resp: 312244
Ion Ratio Lower Upper
152 100
150 155.9 122.8 184.2
115 62.2 47.3 70.9



#5
2-Fluorophenol
Concen: 131.718 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.024 min
Lab File: BF132943.D
Acq: 20 Apr 2023 18:28

Tgt Ion:112 Resp: 2630227
Ion Ratio Lower Upper
112 100
64 65.1 51.8 77.8
63 33.2 26.3 39.5

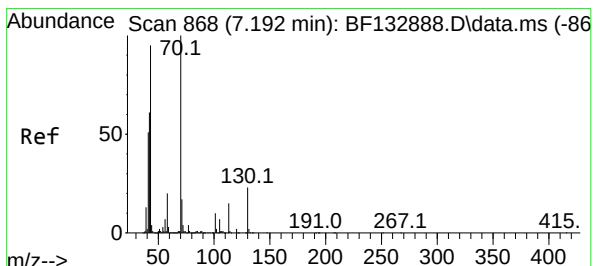
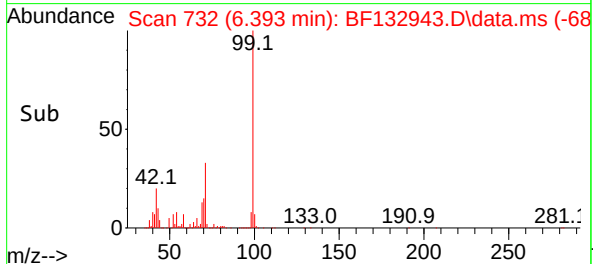
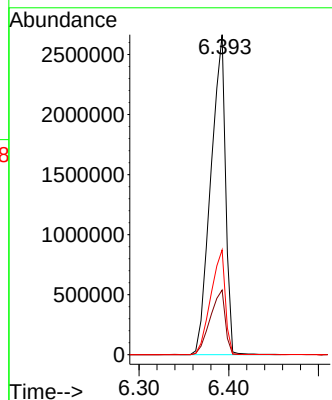
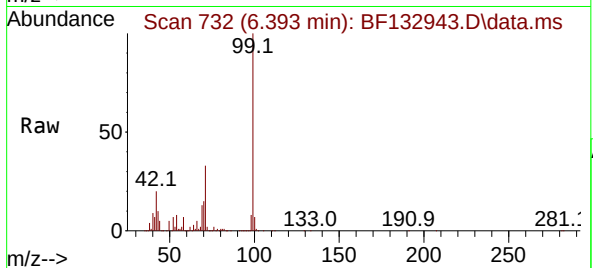




#7
Phenol-d6
Concen: 119.034 ng
RT: 6.393 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF132943.D
Acq: 20 Apr 2023 18:28

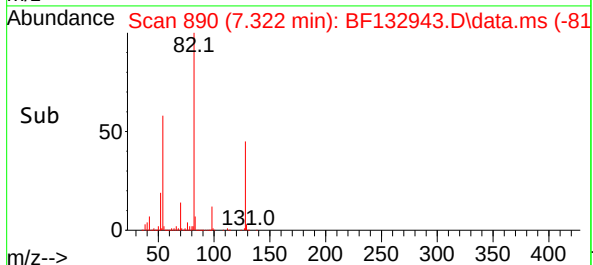
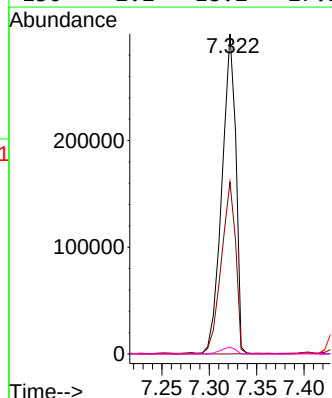
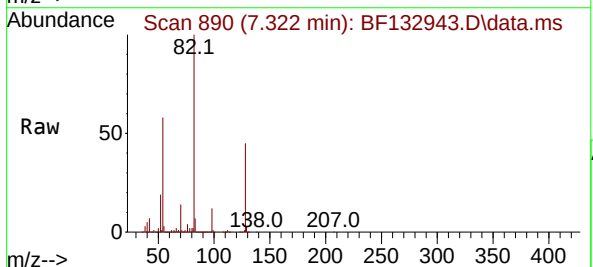
Instrument :
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ClientSampleId :
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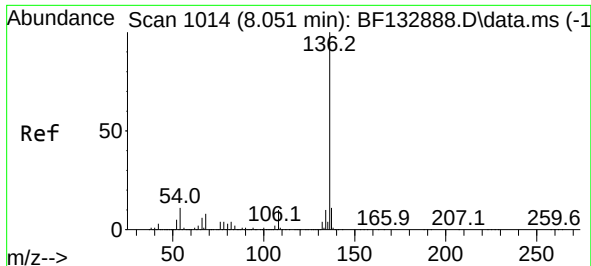
Tgt Ion: 99 Resp: 3033073
Ion Ratio Lower Upper
99 100
42 20.2 16.1 24.1
71 32.7 26.1 39.1



#19
n-Nitroso-di-n-propylamine
Concen: 19.349 ng
RT: 7.322 min Scan# 890
Delta R.T. 0.141 min
Lab File: BF132943.D
Acq: 20 Apr 2023 18:28

Tgt Ion: 70 Resp: 307737
Ion Ratio Lower Upper
70 100
42 53.7 49.0 73.6
101 0.0 8.1 12.1#
130 2.2 18.2 27.2#

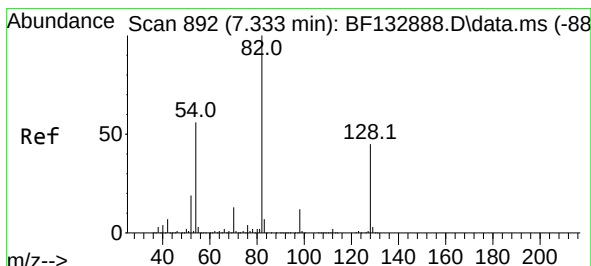
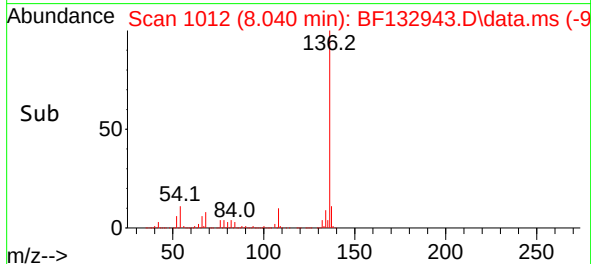
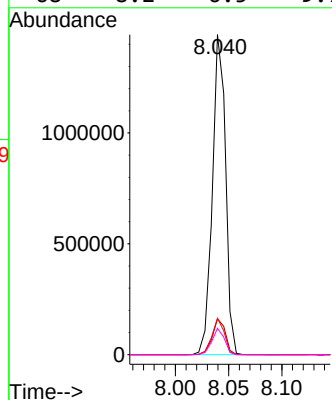
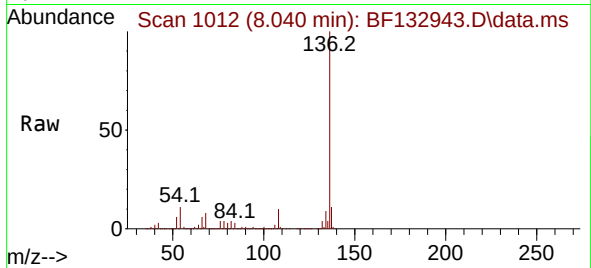




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.040 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF132943.D
Acq: 20 Apr 2023 18:28

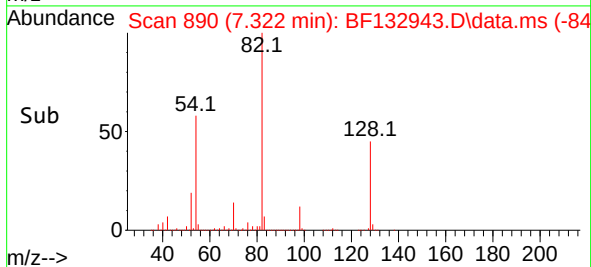
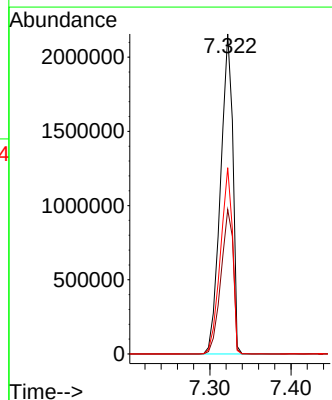
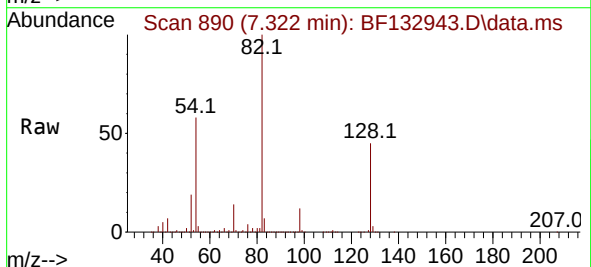
Instrument :
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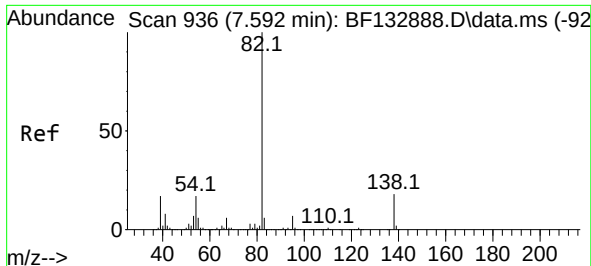
Tgt Ion:136 Resp: 1245780
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 11.4 8.9 13.3
68 8.2 6.5 9.7



#23
Nitrobenzene-d5
Concen: 94.990 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.006 min
Lab File: BF132943.D
Acq: 20 Apr 2023 18:28

Tgt Ion: 82 Resp: 2270261
Ion Ratio Lower Upper
82 100
128 45.1 35.7 53.5
54 58.2 44.7 67.1

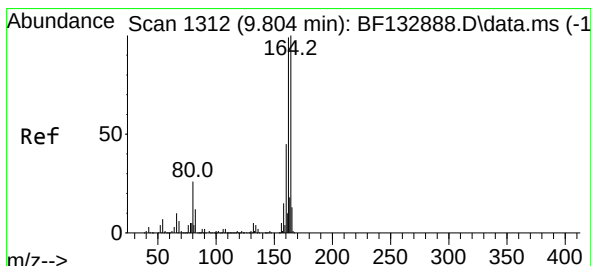
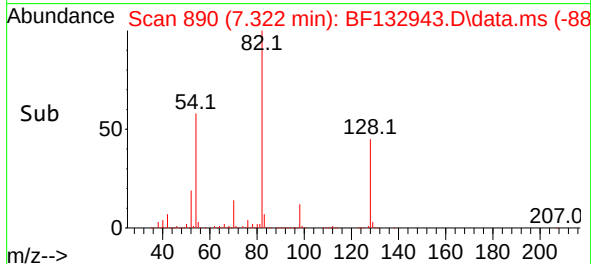
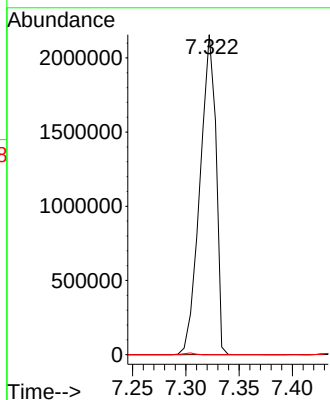
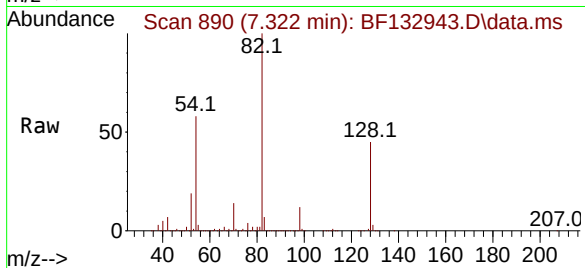




#25
Isophorone
Concen: 50.013 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF132943.D
Acq: 20 Apr 2023 18:28

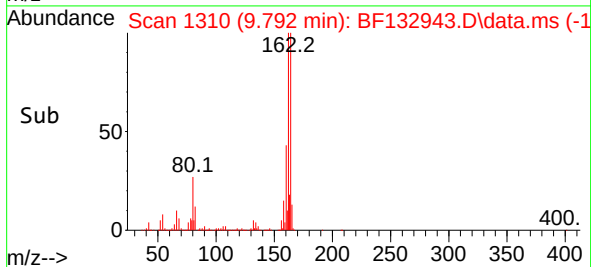
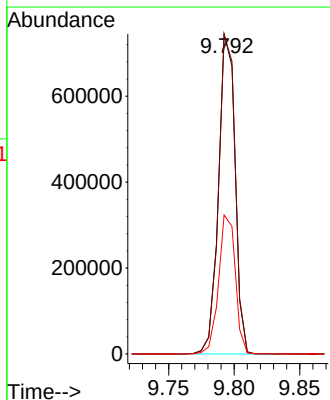
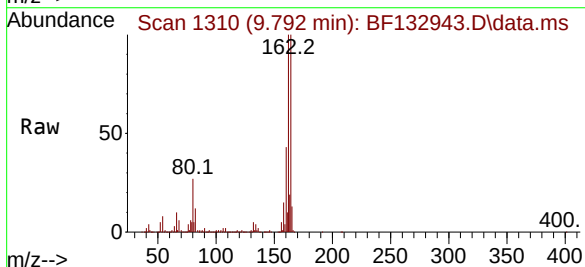
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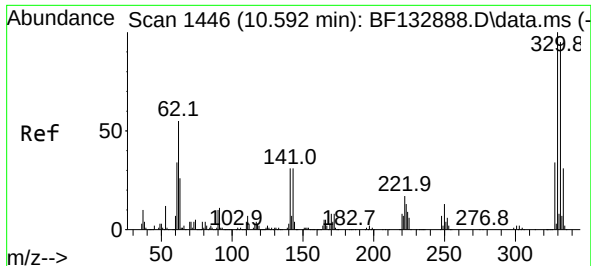
Tgt Ion: 82 Resp: 2267280
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.006 min
Lab File: BF132943.D
Acq: 20 Apr 2023 18:28

Tgt Ion:164 Resp: 652374
Ion Ratio Lower Upper
164 100
162 99.7 79.1 118.7
160 43.5 35.6 53.4



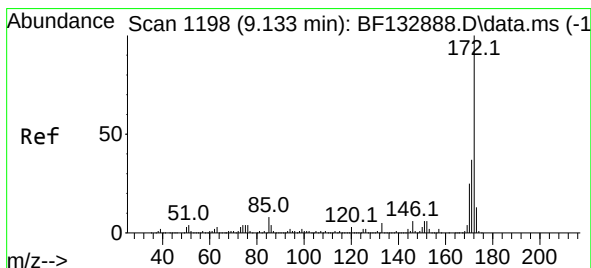
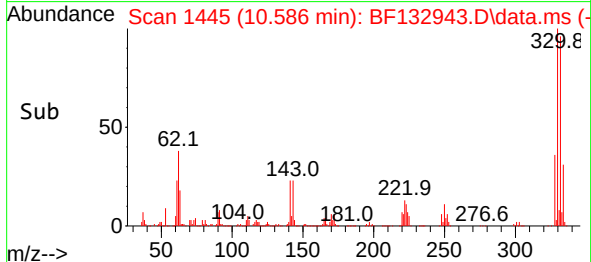
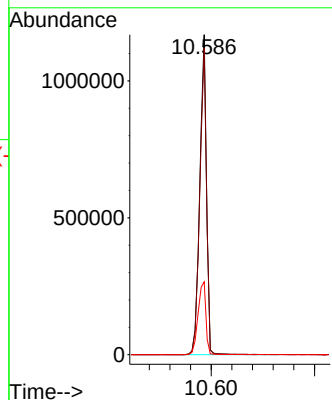
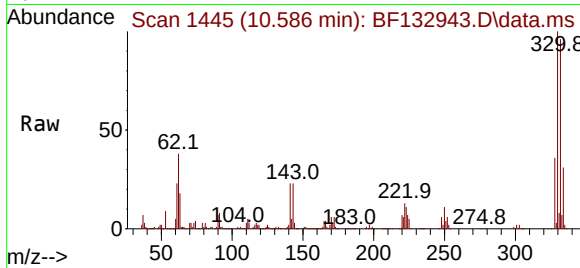


#42
 2,4,6-Tribromophenol
 Concen: 160.505 ng
 RT: 10.586 min Scan# 1445
 Delta R.T. 0.000 min
 Lab File: BF132943.D
 Acq: 20 Apr 2023 18:28

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS

Tgt Ion:330 Resp: 1050240

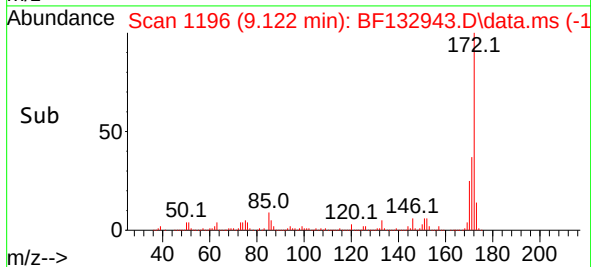
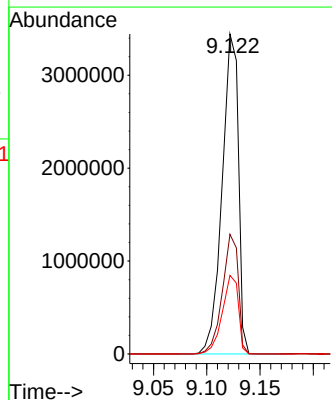
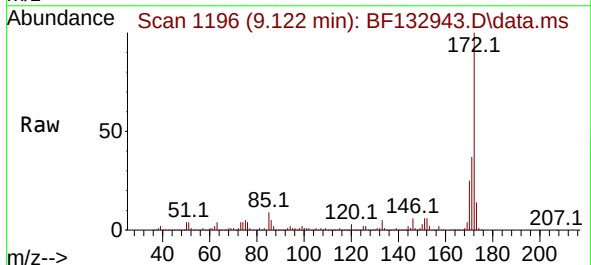
Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.3	114.5
141	26.5	23.9	35.9

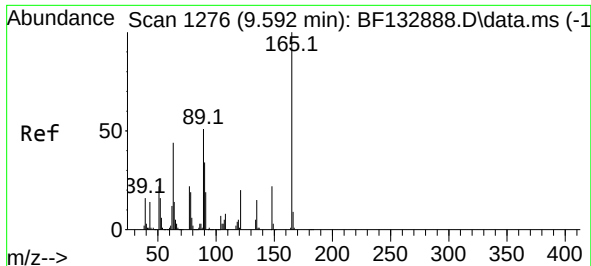


#45
 2-Fluorobiphenyl
 Concen: 85.992 ng
 RT: 9.122 min Scan# 1196
 Delta R.T. 0.000 min
 Lab File: BF132943.D
 Acq: 20 Apr 2023 18:28

Tgt Ion:172 Resp: 3651747

Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.4	44.0
170	24.6	20.1	30.1

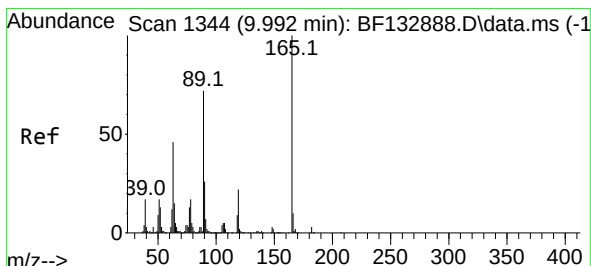
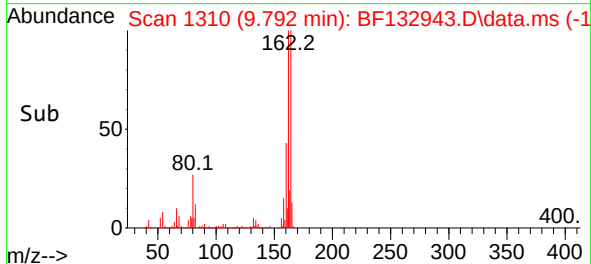
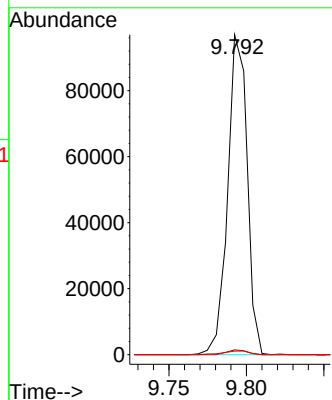
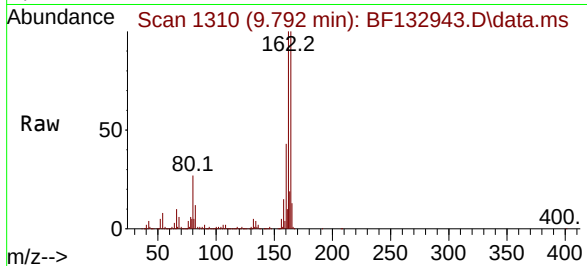




#51
2,6-Dinitrotoluene
Concen: 8.557 ng
RT: 9.792 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF132943.D
Acq: 20 Apr 2023 18:28

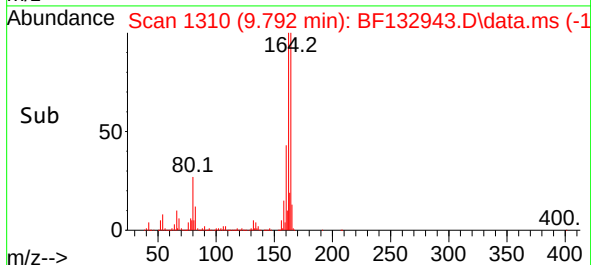
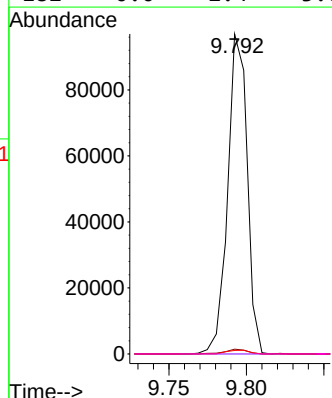
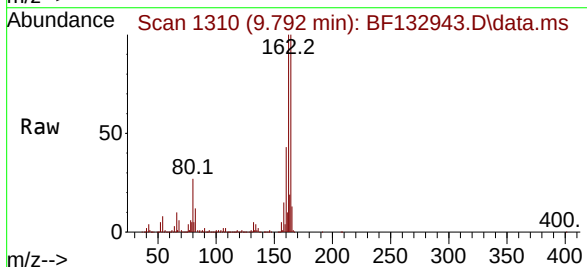
Instrument :
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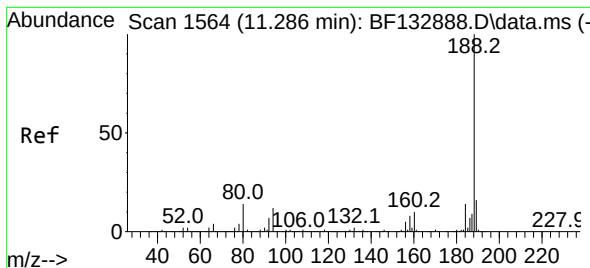
Tgt Ion:165 Resp: 84616
Ion Ratio Lower Upper
165 100
63 1.5 42.6 63.8#
89 1.1 41.0 61.4#



#57
2,4-Dinitrotoluene
Concen: 6.933 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.194 min
Lab File: BF132943.D
Acq: 20 Apr 2023 18:28

Tgt Ion:165 Resp: 84616
Ion Ratio Lower Upper
165 100
63 1.5 37.0 55.6#
89 1.1 57.8 86.6#
182 0.0 2.4 3.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.275 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132943.D

Acq: 20 Apr 2023 18:28

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

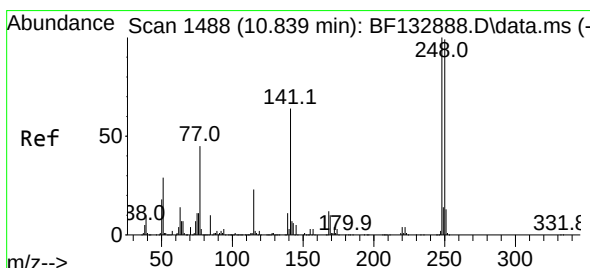
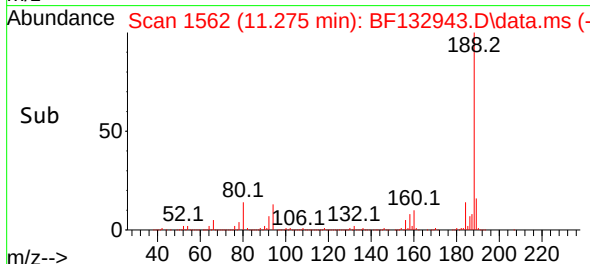
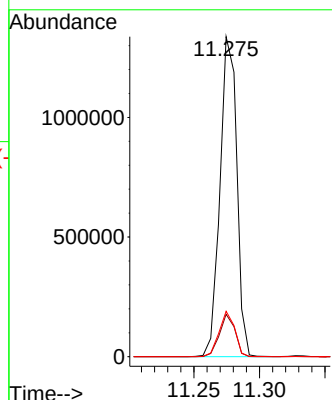
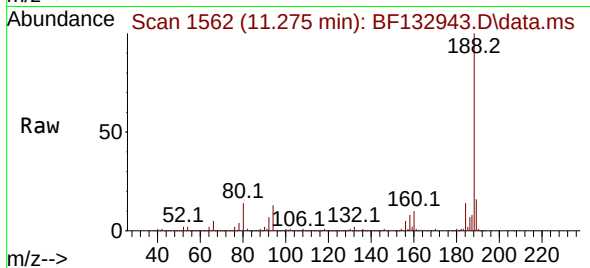
Tgt Ion:188 Resp: 1190720

Ion Ratio Lower Upper

188 100

94 13.3 9.9 14.9

80 14.2 10.8 16.2



#67

4-Bromophenyl-phenylether

Concen: 4.533 ng

RT: 10.586 min Scan# 1445

Delta R.T. -0.241 min

Lab File: BF132943.D

Acq: 20 Apr 2023 18:28

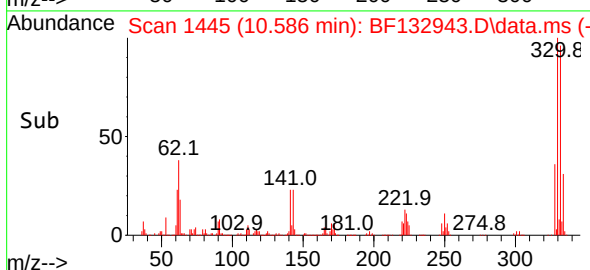
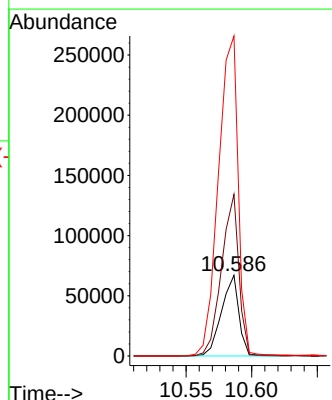
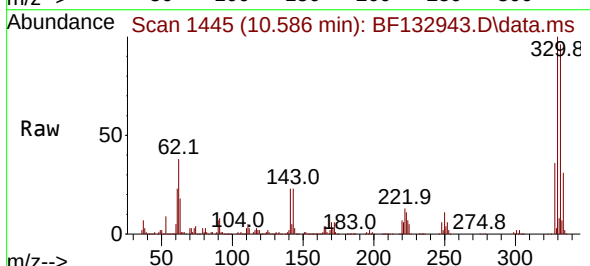
Tgt Ion:248 Resp: 61630

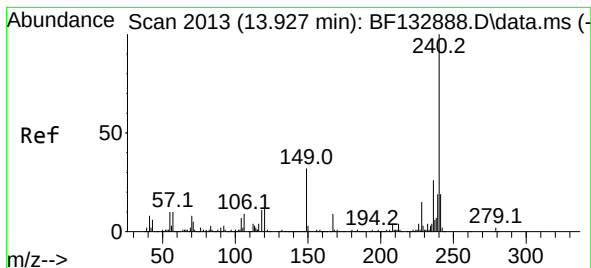
Ion Ratio Lower Upper

248 100

250 200.4 79.1 118.7#

141 396.9 51.0 76.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.916 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF132943.D

Acq: 20 Apr 2023 18:28

Instrument :

BNA_F

ClientSampleId :

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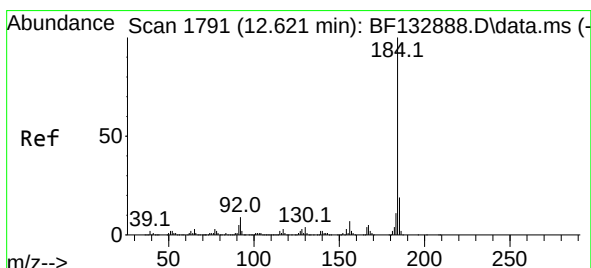
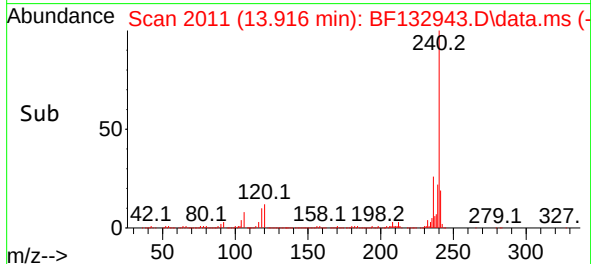
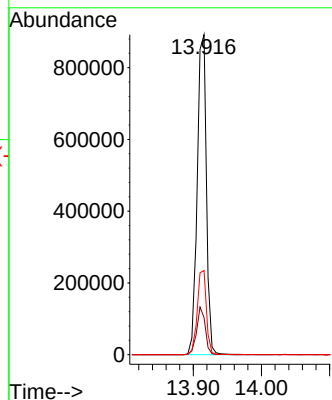
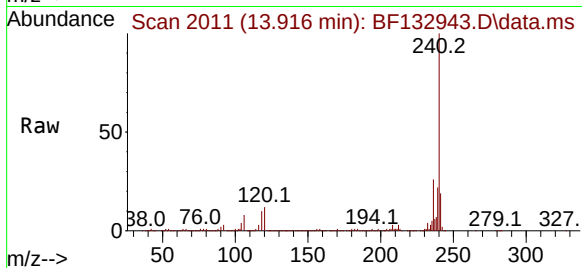
Tgt Ion:240 Resp: 836121

Ion Ratio Lower Upper

240 100

120 11.6 10.0 15.0

236 26.3 20.8 31.2



#77

Benidine

Concen: 3.945 ng

RT: 12.874 min Scan# 1834

Delta R.T. 0.265 min

Lab File: BF132943.D

Acq: 20 Apr 2023 18:28

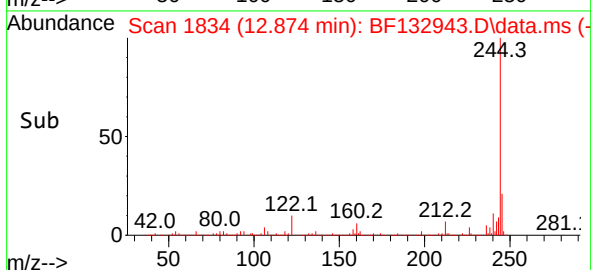
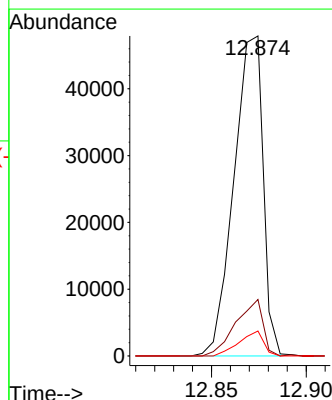
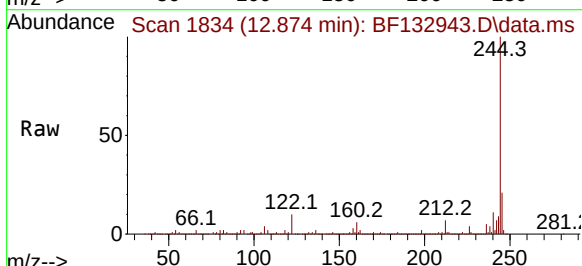
Tgt Ion:184 Resp: 51382

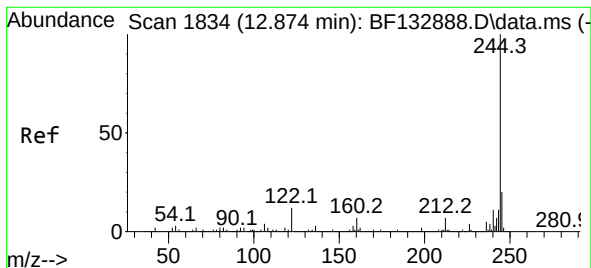
Ion Ratio Lower Upper

184 100

185 17.7 14.9 22.3

183 7.8 9.0 13.6#





#79

Terphenyl-d14

Concen: 88.687 ng

RT: 12.874 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF132943.D

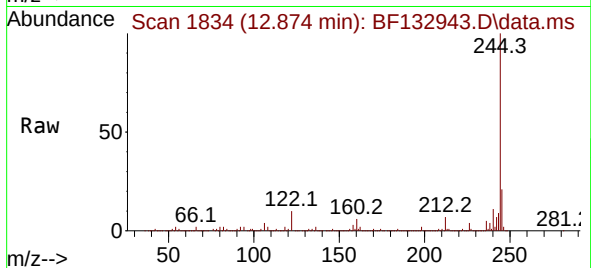
Acq: 20 Apr 2023 18:28

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS



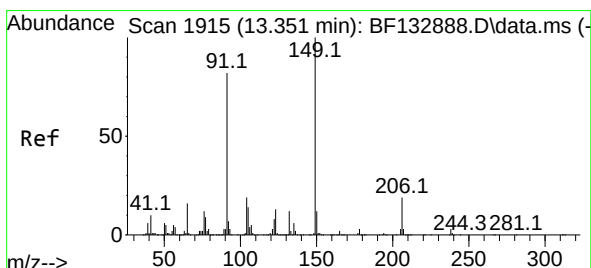
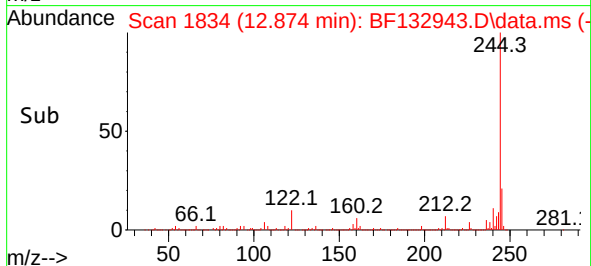
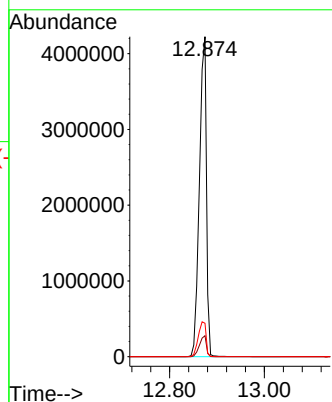
Tgt Ion:244 Resp: 4346419

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 10.4 9.6 14.4



#80

Butylbenzylphthalate

Concen: 5.159 ng

RT: 13.345 min Scan# 1914

Delta R.T. 0.000 min

Lab File: BF132943.D

Acq: 20 Apr 2023 18:28

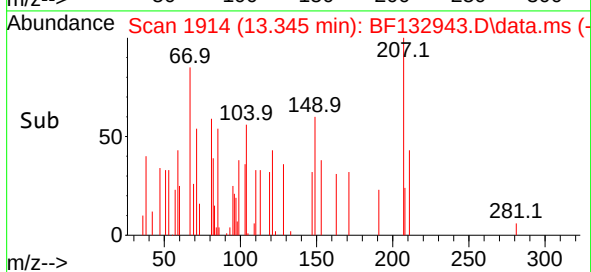
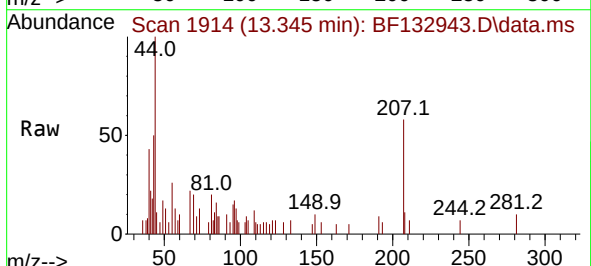
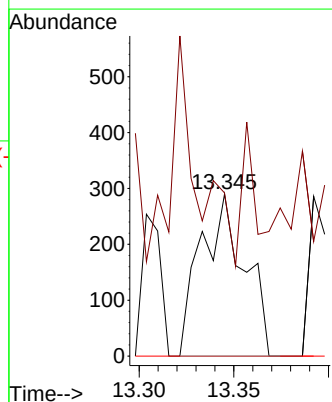
Tgt Ion:149 Resp: 466

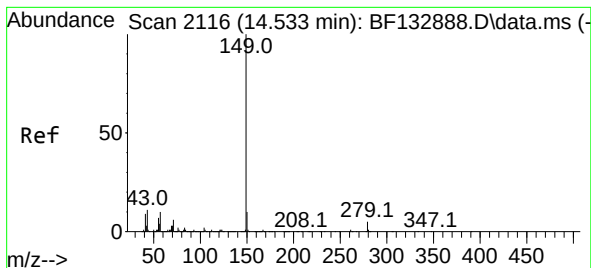
Ion Ratio Lower Upper

149 100

91 100.7 65.4 98.0#

206 0.0 15.6 23.4#





#85

Di-n-octyl phthalate

Concen: 6.395 ng

RT: 14.492 min Scan# 2116

Delta R.T. -0.029 min

Lab File: BF132943.D

Acq: 20 Apr 2023 18:28

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

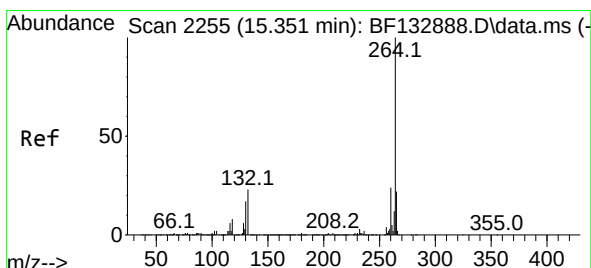
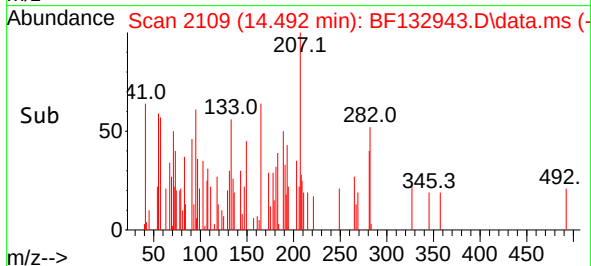
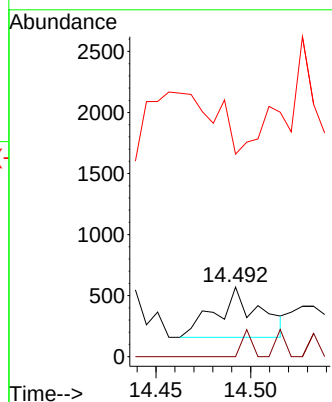
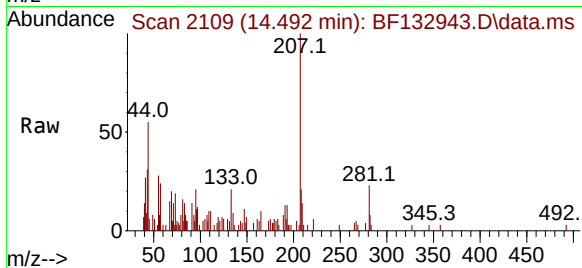
Tgt Ion:149 Resp: 651

Ion Ratio Lower Upper

149 100

167 12.0 1.2 1.8#

43 0.0 11.5 17.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.339 min Scan# 2253

Delta R.T. 0.000 min

Lab File: BF132943.D

Acq: 20 Apr 2023 18:28

Tgt Ion:264 Resp: 706496

Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.6

265 22.1 17.7 26.5

