

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110422\
 Data File : BF131002.D
 Acq On : 04 Nov 2022 21:25
 Operator : CG\JU
 Sample : N5452-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

Quant Time: Nov 05 00:39:59 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 06:20:24 2022
 Response via : Initial Calibration

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

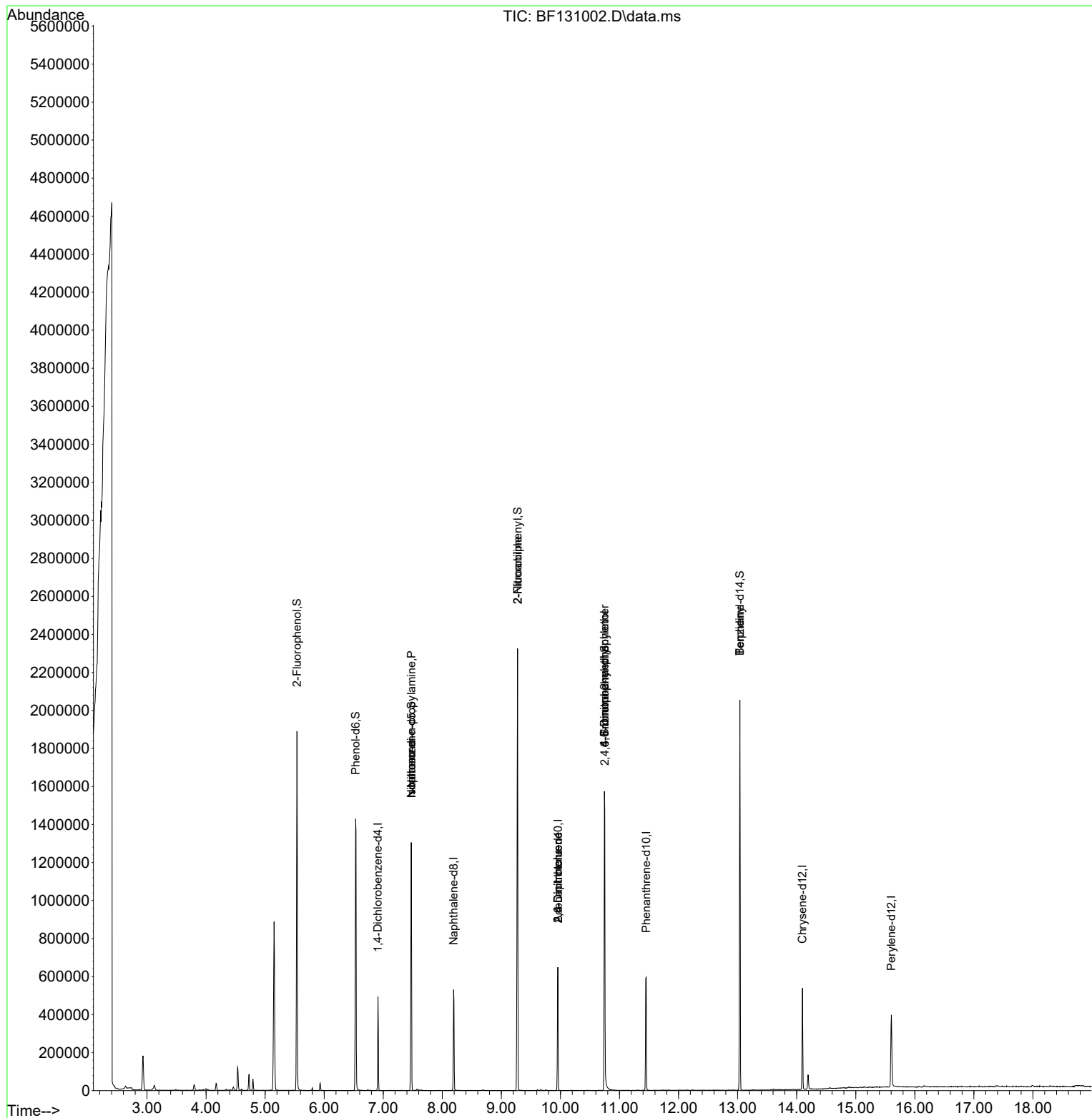
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	60188	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	230610	20.000	ng	-0.01
39) Acenaphthene-d10	9.957	164	120411	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	221794	20.000	ng	0.00
76) Chrysene-d12	14.098	240	168418	20.000	ng	0.00
86) Perylene-d12	15.604	264	175437	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.539	112	458621	132.098	ng	0.01
7) Phenol-d6	6.534	99	469350	104.031	ng	0.00
23) Nitrobenzene-d5	7.475	82	391598	102.393	ng	-0.01
42) 2,4,6-Tribromophenol	10.751	330	201824	199.112	ng	0.00
45) 2-Fluorobiphenyl	9.275	172	689924	86.627	ng	0.00
79) Terphenyl-d14	13.039	244	651016	70.833	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.475	70	55126	17.958	ng	# 78
25) Isophorone	7.475	82	391667	49.663	ng	# 66
48) 2-Nitroaniline	9.275	65	1480	4.758	ng	# 1
51) 2,6-Dinitrotoluene	9.957	165	15824	12.269	ng	# 14
57) 2,4-Dinitrotoluene	9.957	165	15824	11.099	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.745	198	467	8.349	ng	# 1
67) 4-Bromophenyl-phenylether	10.745	248	12836	5.755	ng	# 1
77) Benzidine	13.039	184	9774	2.391	ng	# 92

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

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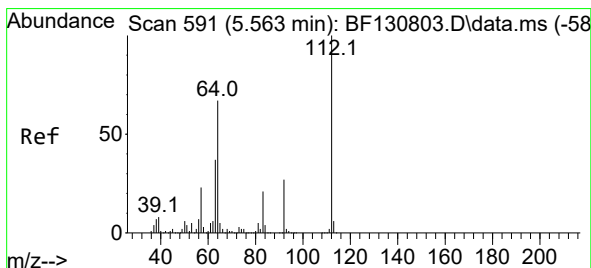
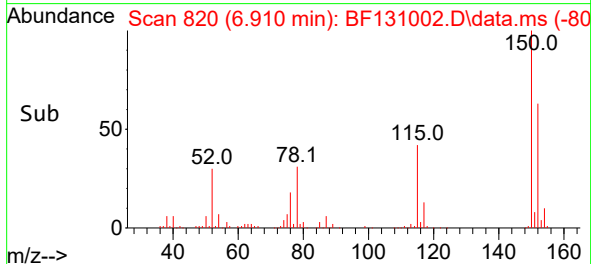
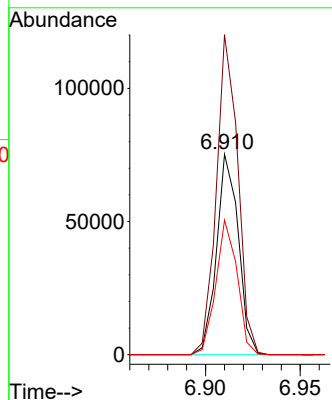
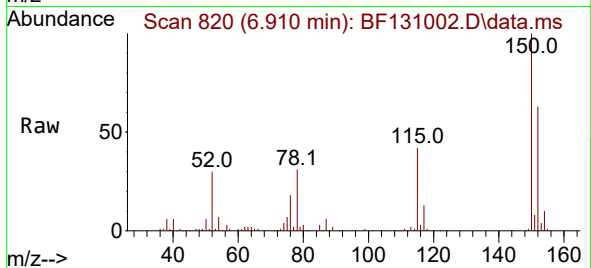




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131002.D
Acq: 04 Nov 2022 21:25

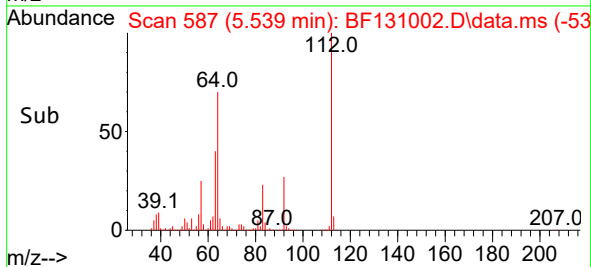
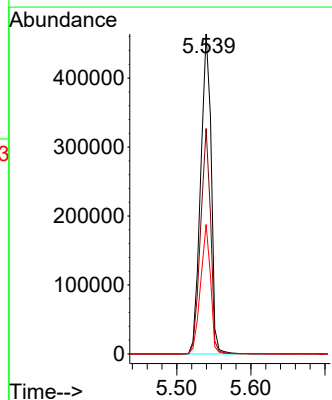
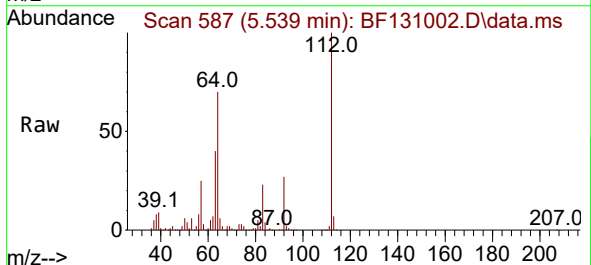
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tgt Ion:152 Resp: 60188
Ion Ratio Lower Upper
152 100
150 159.6 124.1 186.1
115 67.2 50.1 75.1



#5
2-Fluorophenol
Concen: 132.098 ng
RT: 5.539 min Scan# 587
Delta R.T. 0.012 min
Lab File: BF131002.D
Acq: 04 Nov 2022 21:25

Tgt Ion:112 Resp: 458621
Ion Ratio Lower Upper
112 100
64 70.4 53.9 80.9
63 40.5 29.4 44.2

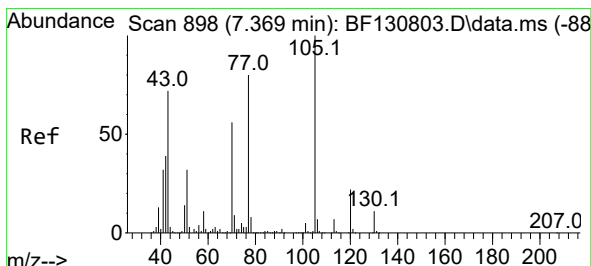
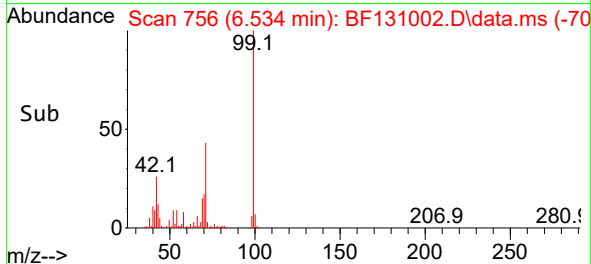
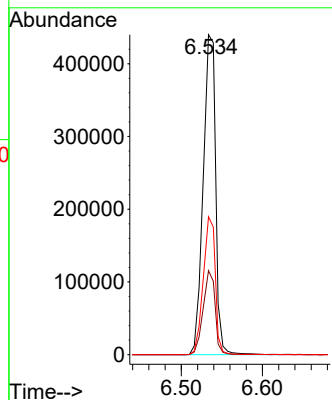
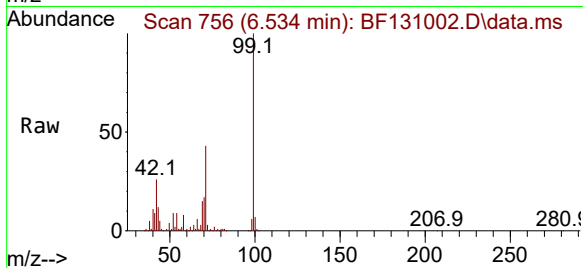




#7
Phenol-d6
Concen: 104.031 ng
RT: 6.534 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131002.D
Acq: 04 Nov 2022 21:25

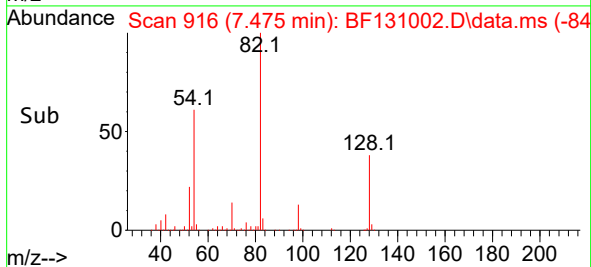
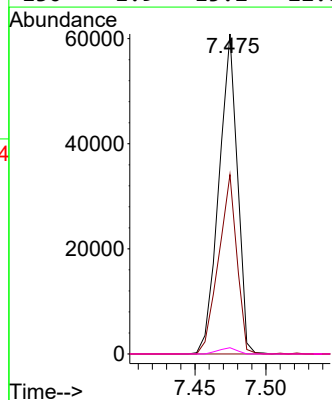
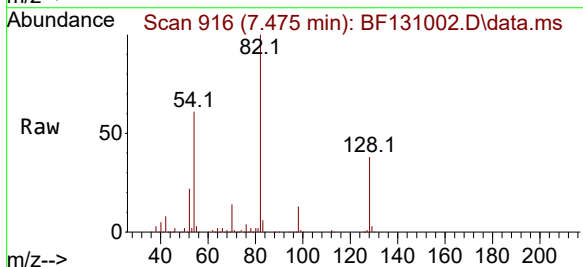
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tgt Ion: 99 Resp: 469350
Ion Ratio Lower Upper
99 100
42 26.2 18.8 28.2
71 43.1 31.4 47.0



#19
n-Nitroso-di-n-propylamine
Concen: 17.958 ng
RT: 7.475 min Scan# 916
Delta R.T. 0.147 min
Lab File: BF131002.D
Acq: 04 Nov 2022 21:25

Tgt Ion: 70 Resp: 55126
Ion Ratio Lower Upper
70 100
42 56.1 56.1 84.1#
101 0.0 7.3 10.9#
130 1.9 15.2 22.8#

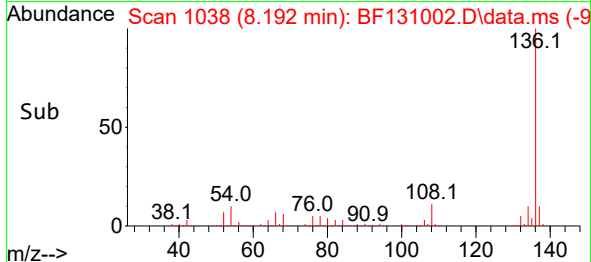
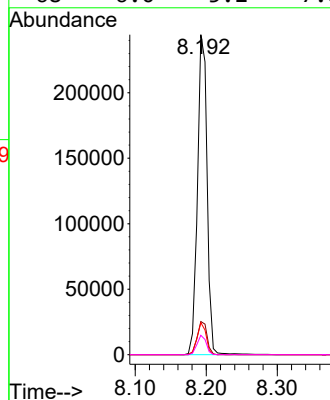
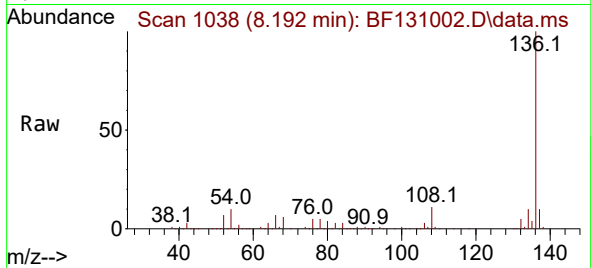




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF131002.D
Acq: 04 Nov 2022 21:25

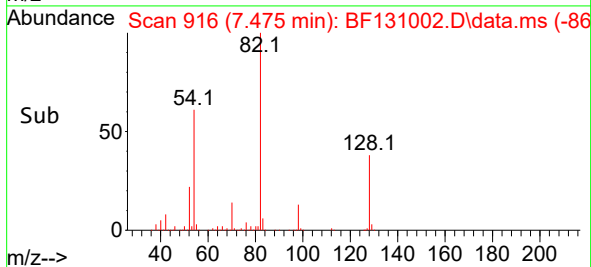
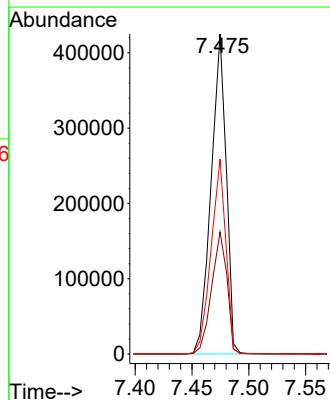
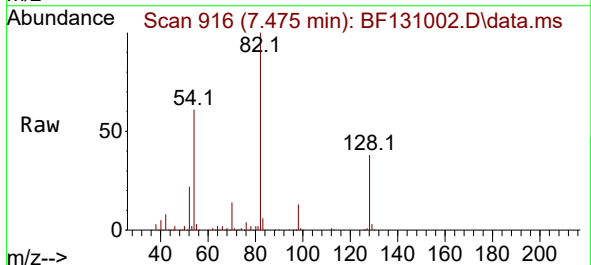
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tgt Ion:	136	Resp:	230610
Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.2	13.8
54	10.0	8.8	13.2
68	6.0	5.2	7.8



#23
Nitrobenzene-d5
Concen: 102.393 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.012 min
Lab File: BF131002.D
Acq: 04 Nov 2022 21:25

Tgt Ion:	82	Resp:	391598
Ion	Ratio	Lower	Upper
82	100		
128	38.1	31.2	46.8
54	60.9	48.0	72.0

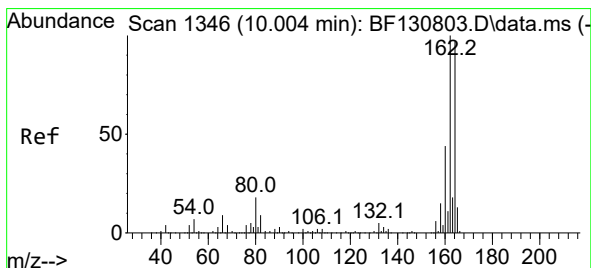
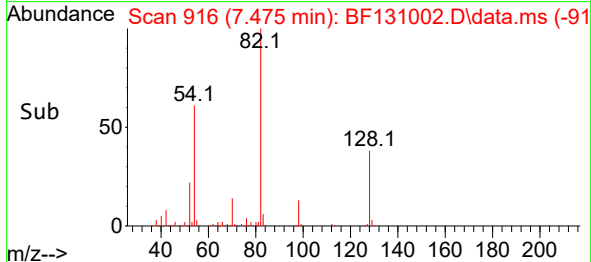
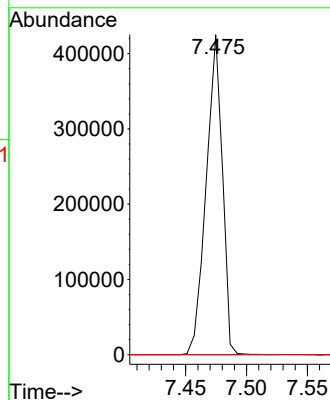
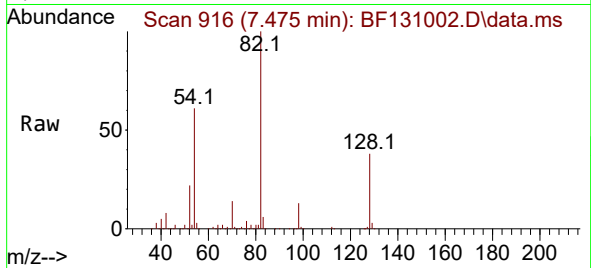




#25
Isophorone
Concen: 49.663 ng
RT: 7.475 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF131002.D
Acq: 04 Nov 2022 21:25

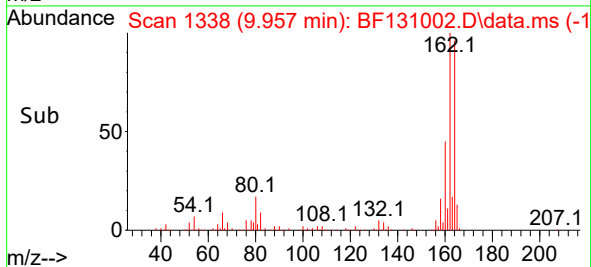
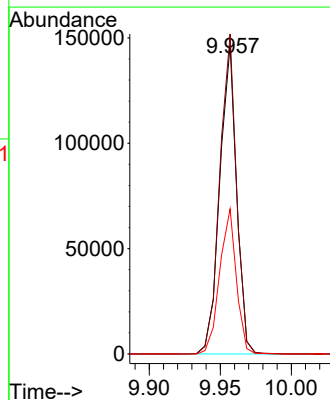
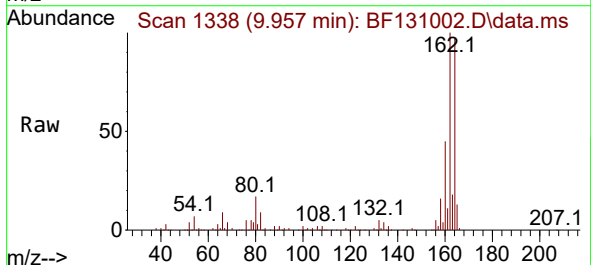
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BNA_F
ClientSampleId :
SOIL-PILE

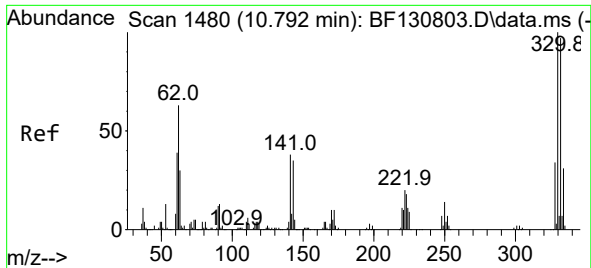
Tgt Ion: 82 Resp: 391667
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF131002.D
Acq: 04 Nov 2022 21:25

Tgt Ion:164 Resp: 120411
Ion Ratio Lower Upper
164 100
162 103.5 82.2 123.2
160 46.9 36.6 54.8

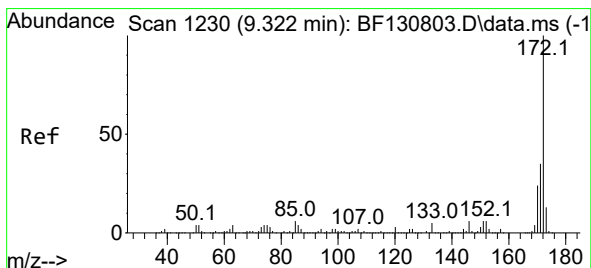
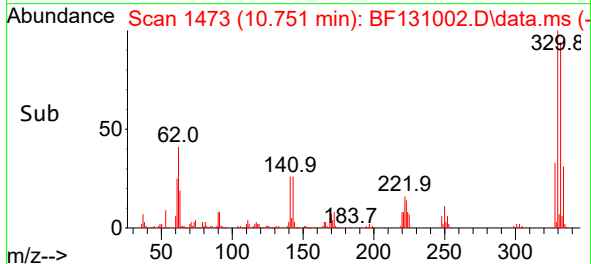
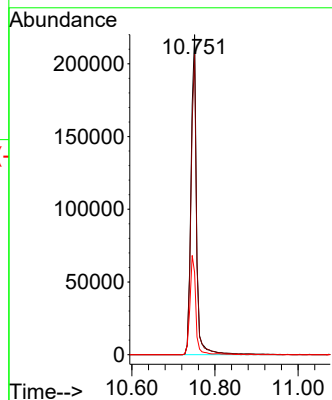
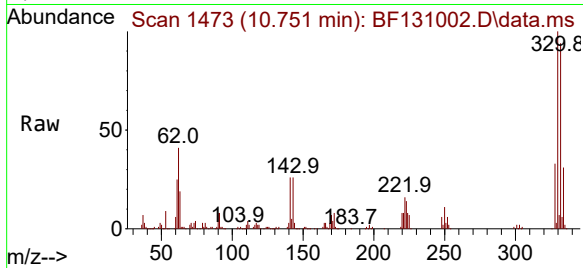




#42
2,4,6-Tribromophenol
Concen: 199.112 ng
RT: 10.751 min Scan# 1480
Delta R.T. -0.006 min
Lab File: BF131002.D
Acq: 04 Nov 2022 21:25

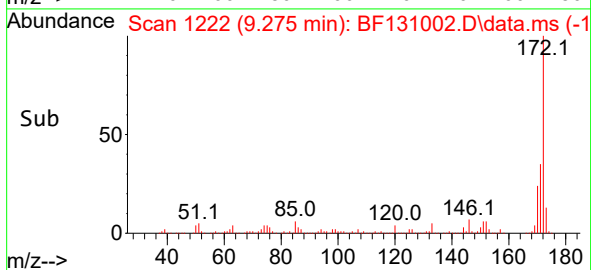
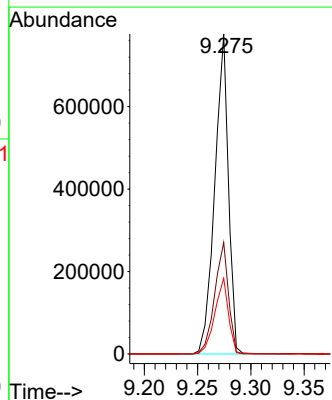
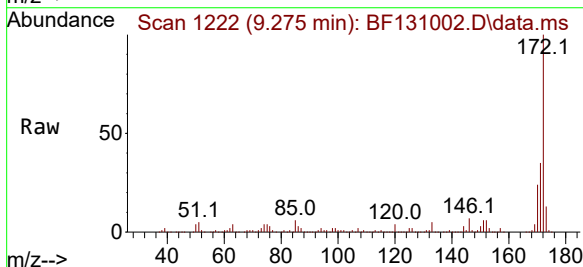
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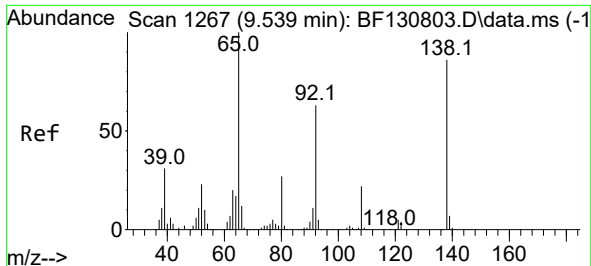
Tgt Ion:330 Resp: 201824
Ion Ratio Lower Upper
330 100
332 93.9 76.2 114.4
141 32.2 31.4 47.0



#45
2-Fluorobiphenyl
Concen: 86.627 ng
RT: 9.275 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF131002.D
Acq: 04 Nov 2022 21:25

Tgt Ion:172 Resp: 689924
Ion Ratio Lower Upper
172 100
171 34.8 28.1 42.1
170 23.6 19.0 28.4

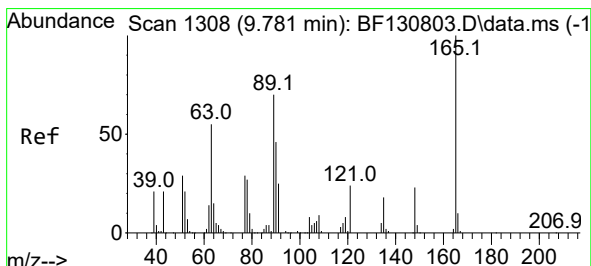
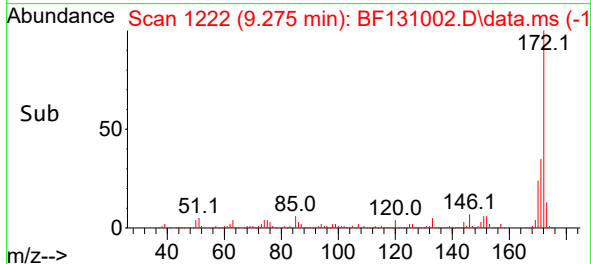
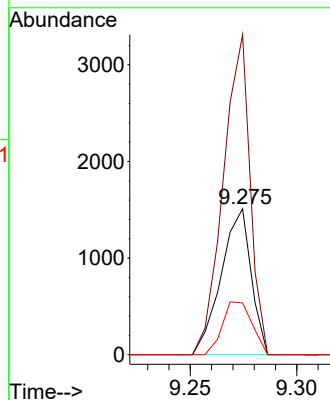
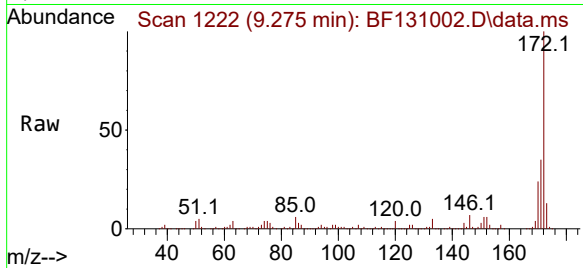




#48
2-Nitroaniline
Concen: 4.758 ng
RT: 9.275 min Scan# 11
Delta R.T. -0.230 min
Lab File: BF131002.D
Acq: 04 Nov 2022 21:25

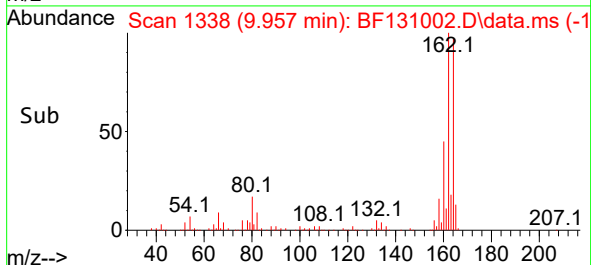
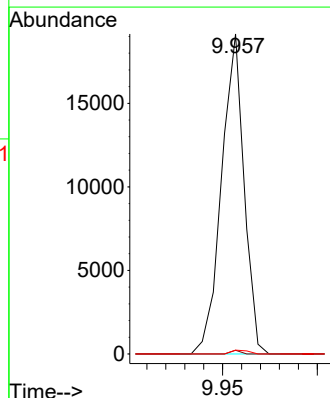
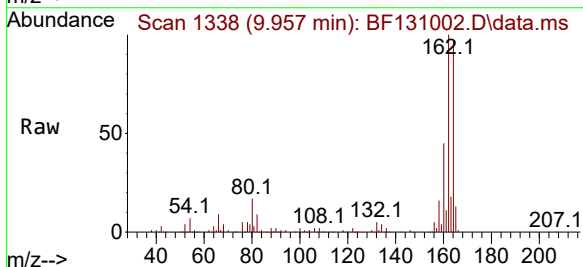
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BNA_F
ClientSampleId :
SOIL-PILE

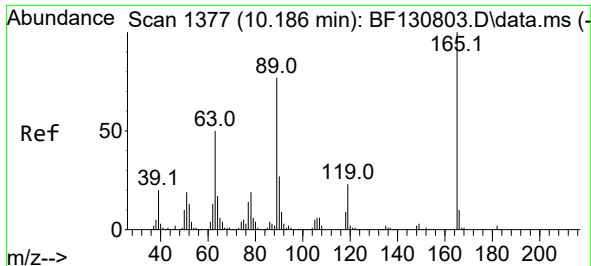
Tgt Ion: 65 Resp: 1480
Ion Ratio Lower Upper
65 100
92 219.2 50.1 75.1#
138 35.5 69.2 103.8#



#51
2,6-Dinitrotoluene
Concen: 12.269 ng
RT: 9.957 min Scan# 1338
Delta R.T. 0.212 min
Lab File: BF131002.D
Acq: 04 Nov 2022 21:25

Tgt Ion: 165 Resp: 15824
Ion Ratio Lower Upper
165 100
63 1.1 61.8 92.8#
89 1.2 56.2 84.4#

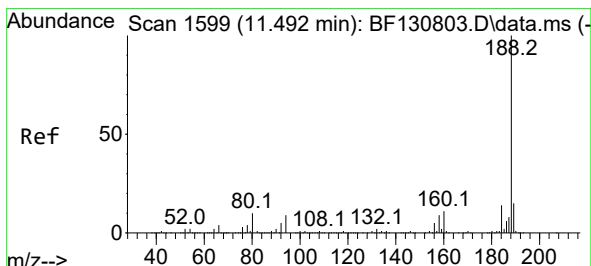
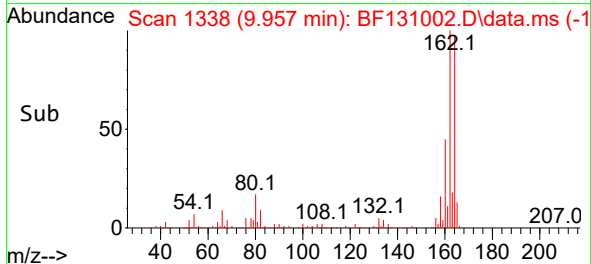
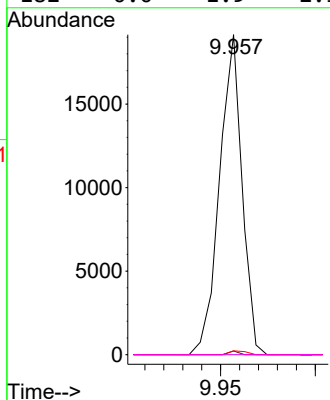
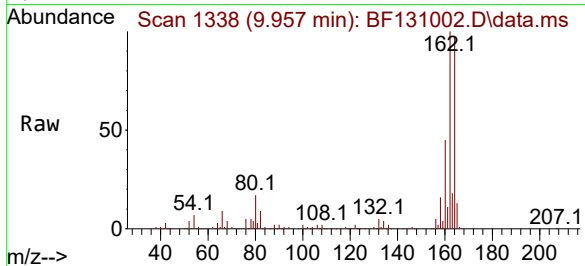




#57
2,4-Dinitrotoluene
Concen: 11.099 ng
RT: 9.957 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF131002.D
Acq: 04 Nov 2022 21:25

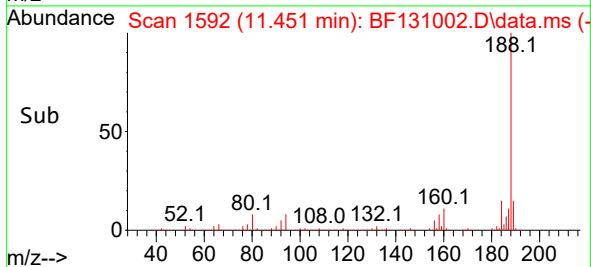
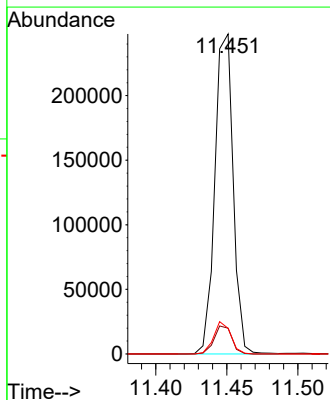
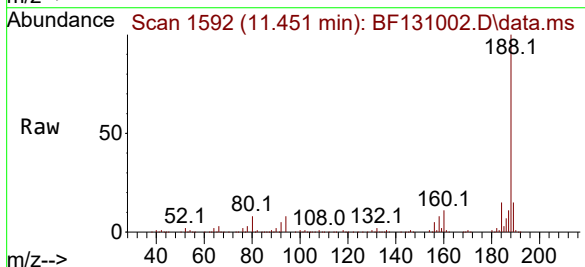
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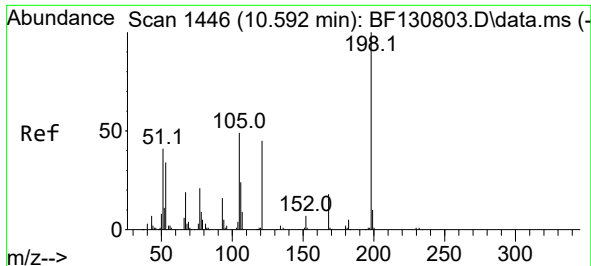
Tgt Ion:165 Resp: 15824
Ion Ratio Lower Upper
165 100
63 1.1 39.8 59.6#
89 1.2 61.9 92.9#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF131002.D
Acq: 04 Nov 2022 21:25

Tgt Ion:188 Resp: 221794
Ion Ratio Lower Upper
188 100
94 8.0 7.4 11.2
80 8.0 8.0 12.0

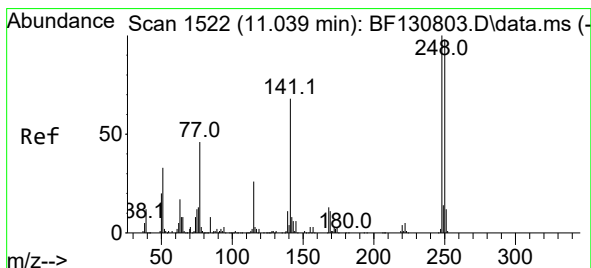
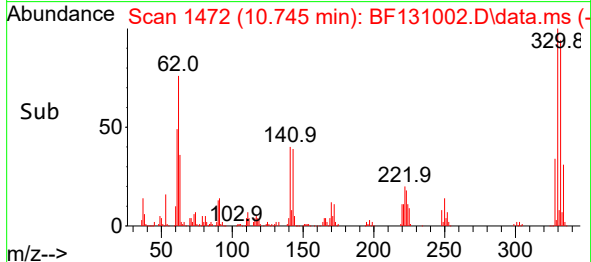
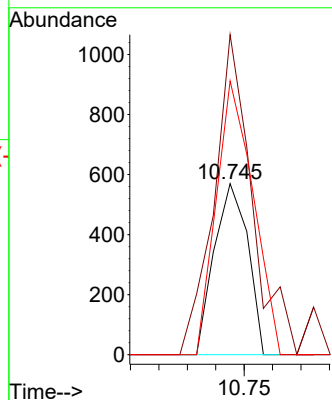
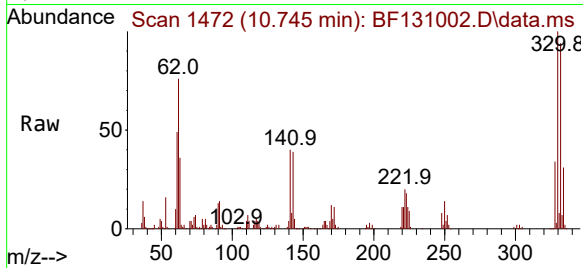




#65
4,6-Dinitro-2-methylphenol
Concen: 8.349 ng
RT: 10.745 min Scan# 1446
Delta R.T. 0.182 min
Lab File: BF131002.D
Acq: 04 Nov 2022 21:25

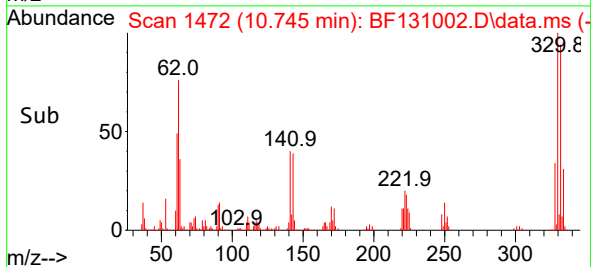
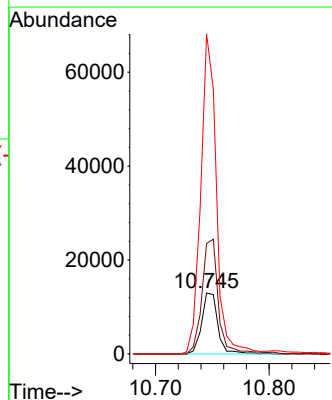
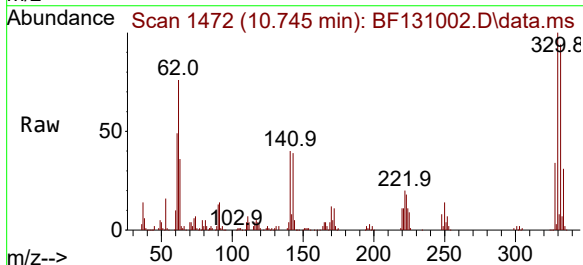
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

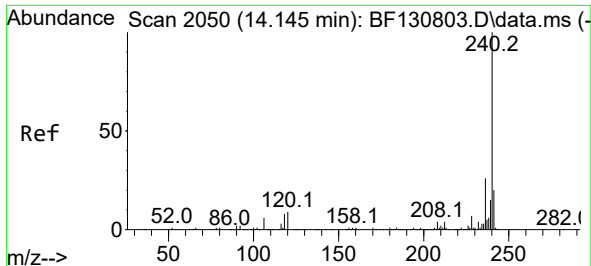
Tgt Ion:198 Resp: 467
Ion Ratio Lower Upper
198 100
51 187.0 39.0 79.0#
105 160.0 30.6 70.6#



#67
4-Bromophenyl-phenylether
Concen: 5.755 ng
RT: 10.745 min Scan# 1472
Delta R.T. -0.253 min
Lab File: BF131002.D
Acq: 04 Nov 2022 21:25

Tgt Ion:248 Resp: 12836
Ion Ratio Lower Upper
248 100
250 181.2 78.6 117.8#
141 524.7 54.2 81.4#

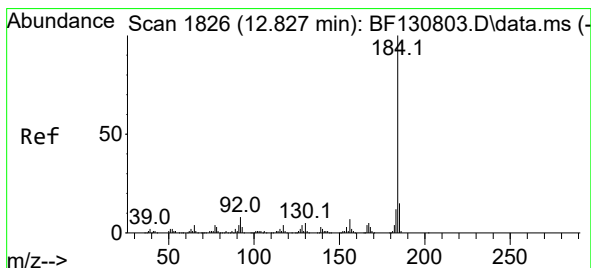
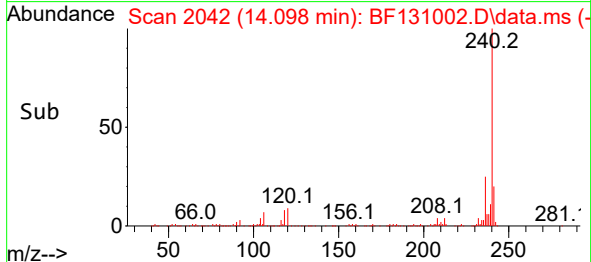
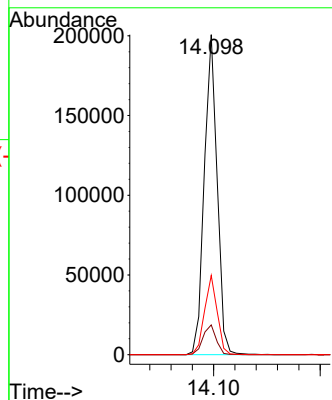
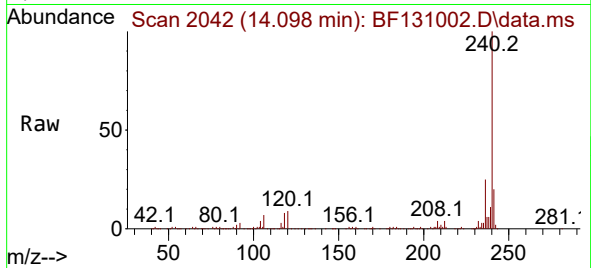




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2050
Delta R.T. -0.006 min
Lab File: BF131002.D
Acq: 04 Nov 2022 21:25

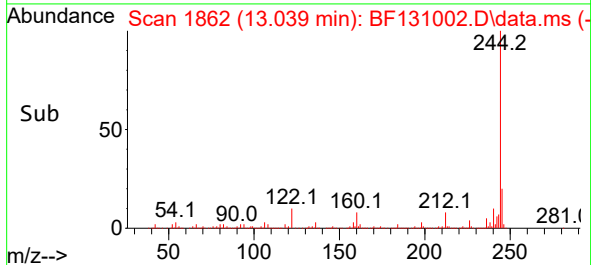
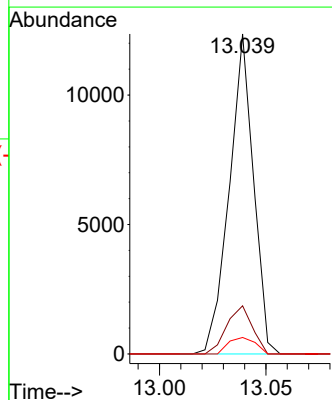
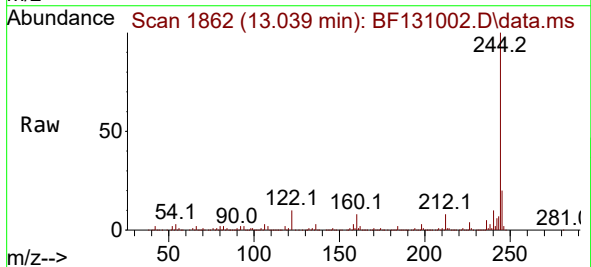
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

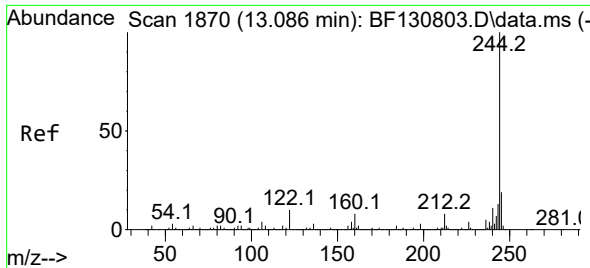
Tgt Ion:240 Resp: 168418
Ion Ratio Lower Upper
240 100
120 9.3 7.0 10.4
236 24.7 20.5 30.7



#77
Benzidine
Concen: 2.391 ng
RT: 13.039 min Scan# 1862
Delta R.T. 0.247 min
Lab File: BF131002.D
Acq: 04 Nov 2022 21:25

Tgt Ion:184 Resp: 9774
Ion Ratio Lower Upper
184 100
185 15.1 11.8 17.8
183 5.1 9.7 14.5#

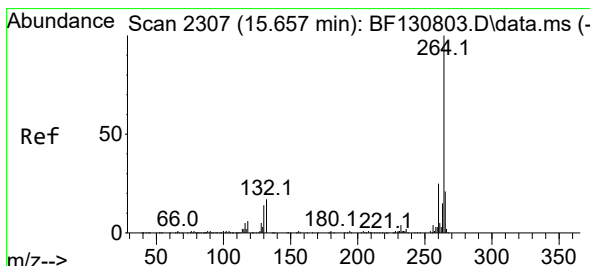
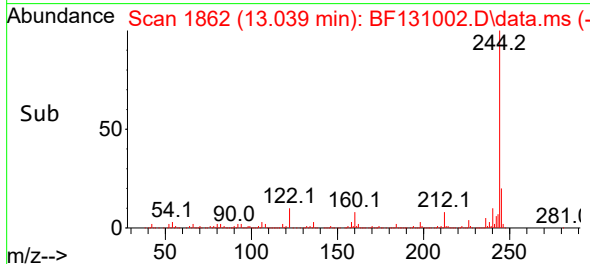
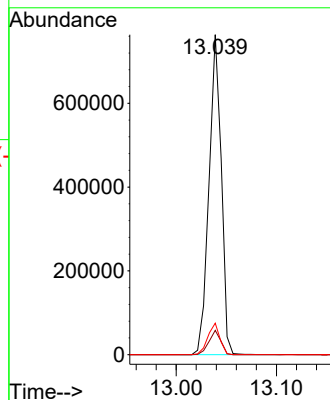
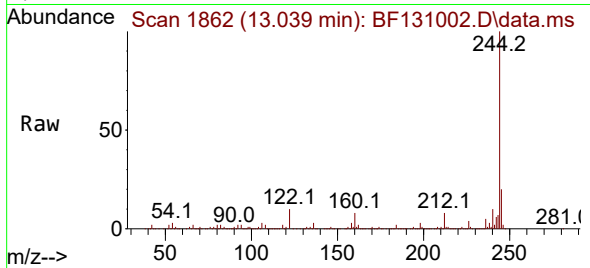




#79
 Terphenyl-d14
 Concen: 70.833 ng
 RT: 13.039 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF131002.D
 Acq: 04 Nov 2022 21:25

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

Tgt Ion:244 Resp: 651016
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.2
 122 9.8 7.9 11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.604 min Scan# 2298
 Delta R.T. -0.006 min
 Lab File: BF131002.D
 Acq: 04 Nov 2022 21:25

Tgt Ion:264 Resp: 175437
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.9 29.9
 265 20.9 17.0 25.6

