

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021325\
 Data File : BF141614.D
 Acq On : 13 Feb 2025 15:03
 Operator : RC/JU
 Sample : Q1356-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

Quant Time: Feb 13 15:32:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

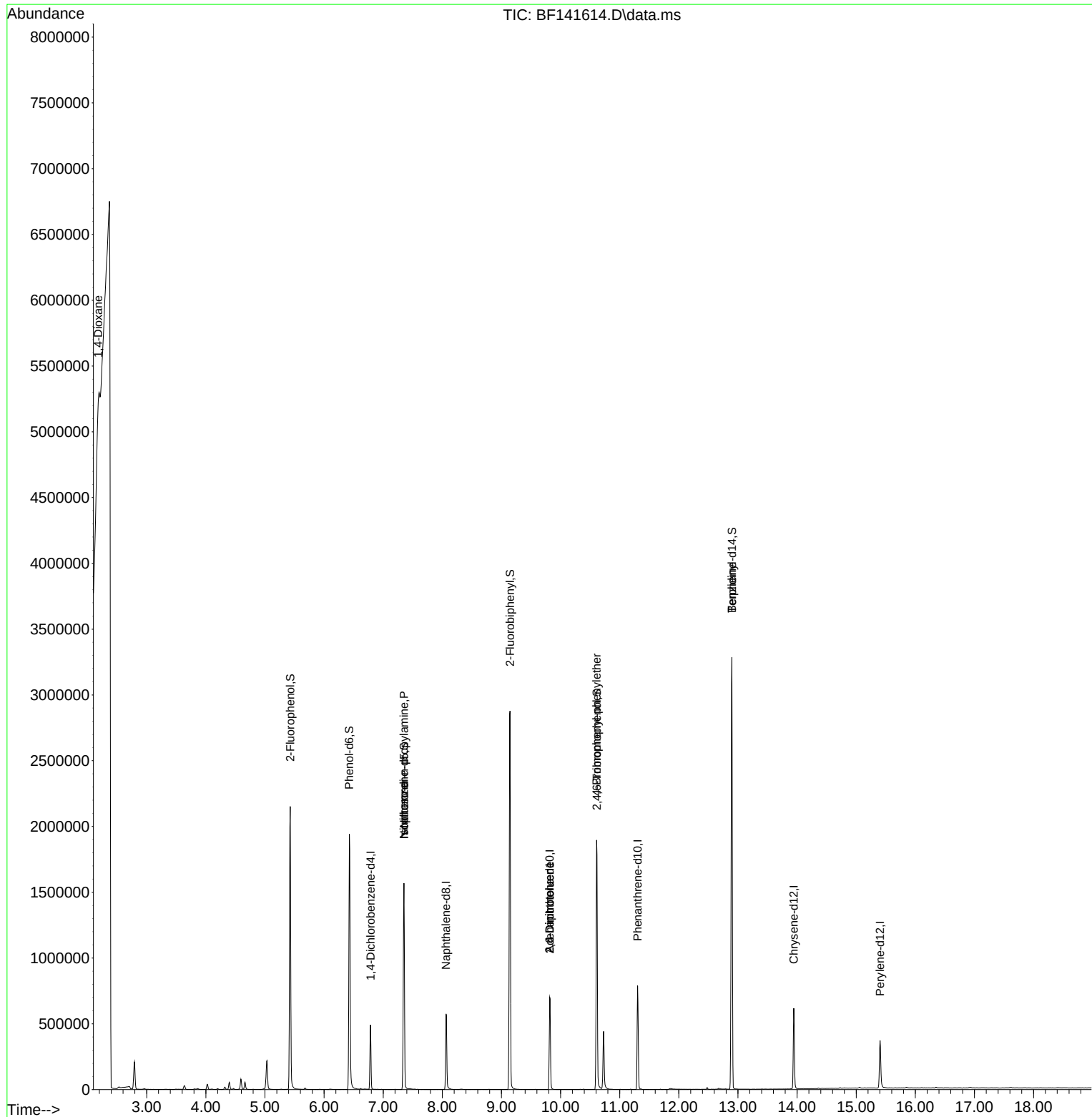
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	100655	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	407167	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	227613	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	409558	20.000	ng	-0.01
76) Chrysene-d12	13.945	240	314278	20.000	ng	-0.02
86) Perylene-d12	15.404	264	228130	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	824365	128.398	ng	0.02
7) Phenol-d6	6.428	99	959697	118.265	ng	-0.01
23) Nitrobenzene-d5	7.351	82	737101	94.423	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	337180	147.467	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	1380549	93.445	ng	0.00
79) Terphenyl-d14	12.898	244	1738518	93.386	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.181	88	9151	3.541	ng	# 51
19) n-Nitroso-di-n-propyla...	7.351	70	100504	20.706	ng	# 73
25) Isophorone	7.351	82	722697	58.062	ng	# 66
51) 2,6-Dinitrotoluene	9.816	165	28935	8.566	ng	# 22
57) 2,4-Dinitrotoluene	9.816	165	28935	6.435	ng	# 19
67) 4-Bromophenyl-phenylether	10.610	248	23465	5.126	ng	# 1
77) Benzidine	12.898	184	22658	3.269	ng	# 92

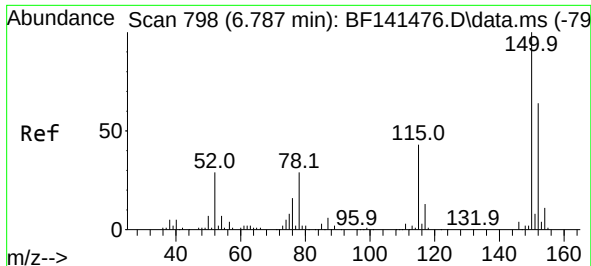
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021325\
Data File : BF141614.D
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
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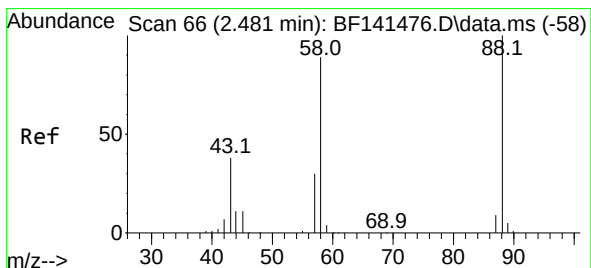
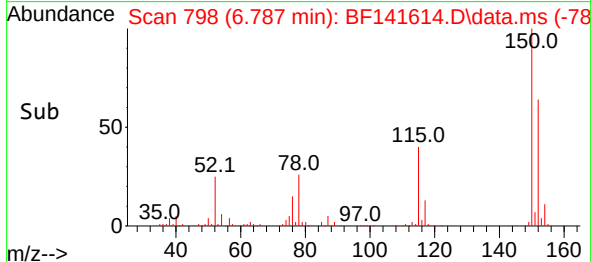
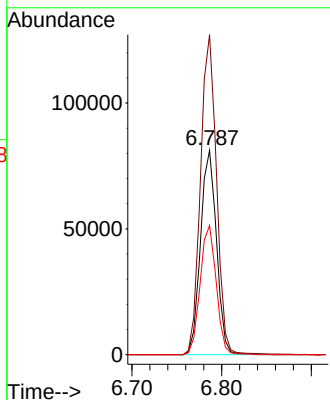
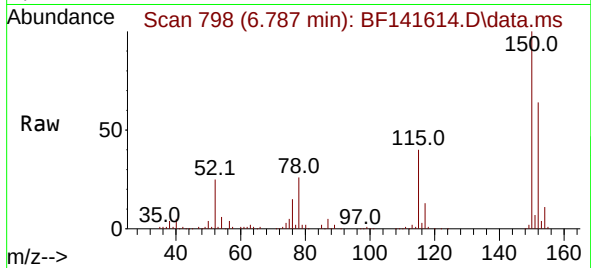




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 79
 Delta R.T. -0.005 min
 Lab File: BF141614.D
 Acq: 13 Feb 2025 15:03

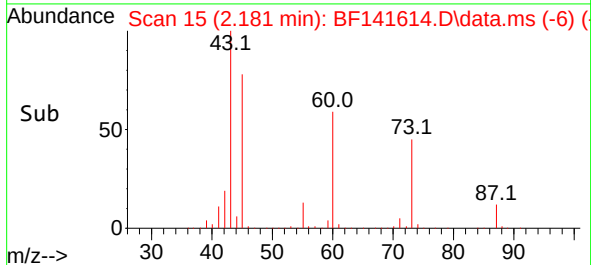
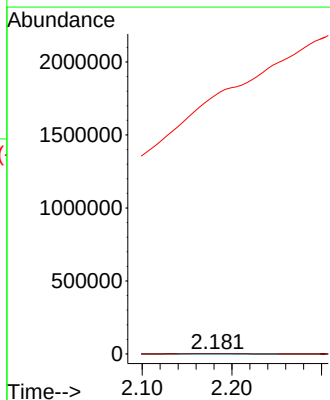
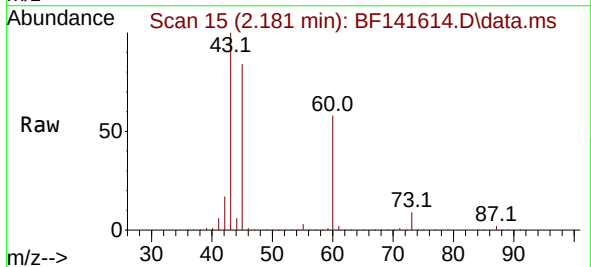
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

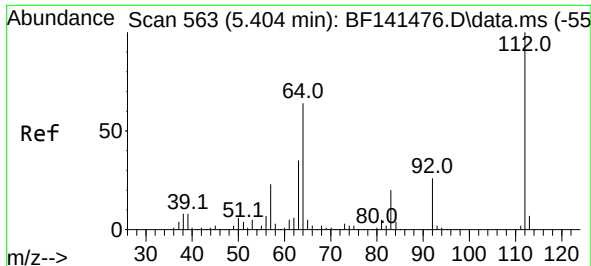
Tgt Ion:152 Resp: 100655
 Ion Ratio Lower Upper
 152 100
 150 156.6 125.0 187.4
 115 63.2 53.6 80.4



#2
 1,4-Dioxane
 Concen: 3.541 ng
 RT: 2.181 min Scan# 15
 Delta R.T. -0.300 min
 Lab File: BF141614.D
 Acq: 13 Feb 2025 15:03

Tgt Ion: 88 Resp: 9151
 Ion Ratio Lower Upper
 88 100
 58 48.3 71.1 106.7#
 43 0.0 30.6 46.0#

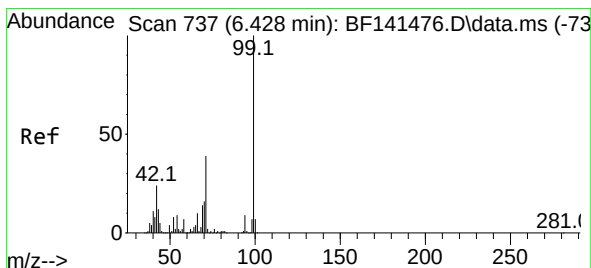
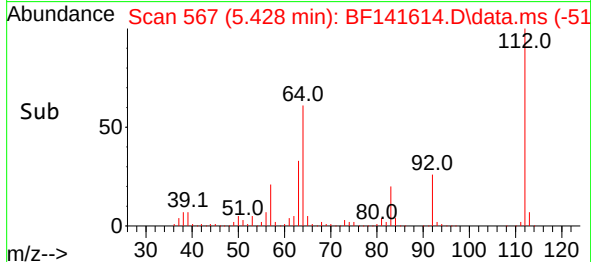
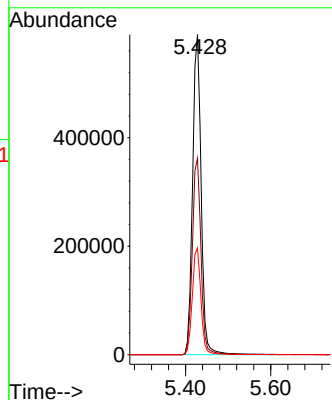
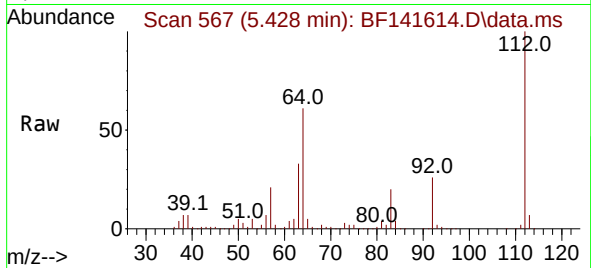




#5
2-Fluorophenol
Concen: 128.398 ng
RT: 5.428 min Scan# 501
Delta R.T. 0.018 min
Lab File: BF141614.D
Acq: 13 Feb 2025 15:03

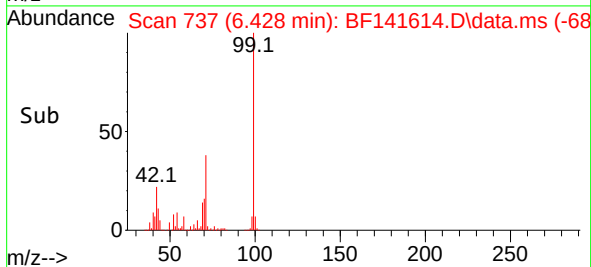
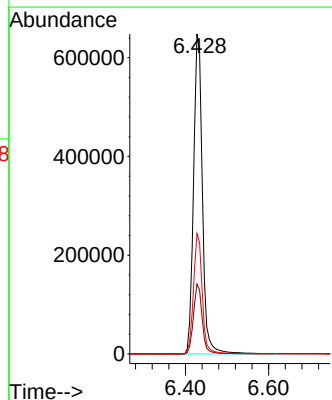
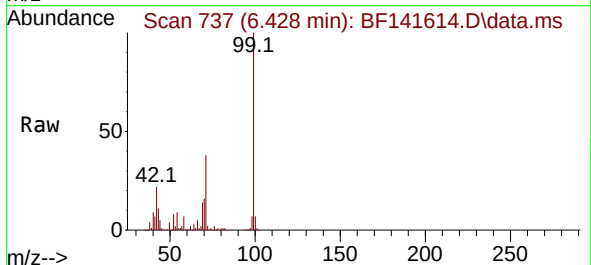
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

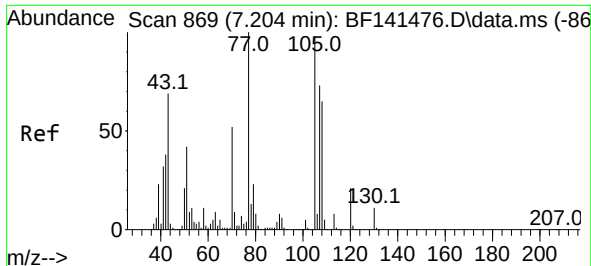
Tgt Ion:112 Resp: 824365
Ion Ratio Lower Upper
112 100
64 61.4 51.1 76.7
63 33.3 28.4 42.6



#7
Phenol-d6
Concen: 118.265 ng
RT: 6.428 min Scan# 737
Delta R.T. -0.012 min
Lab File: BF141614.D
Acq: 13 Feb 2025 15:03

Tgt Ion: 99 Resp: 959697
Ion Ratio Lower Upper
99 100
42 21.8 19.1 28.7
71 37.6 31.1 46.7

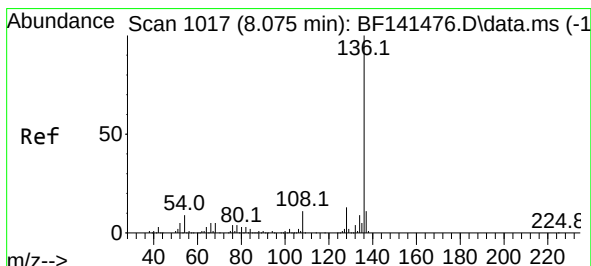
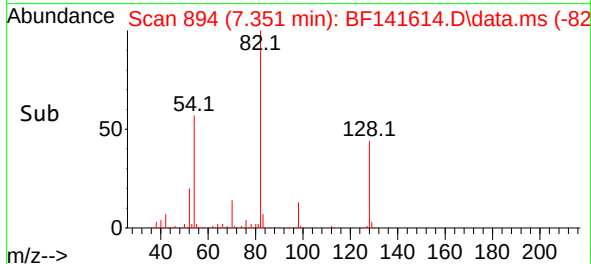
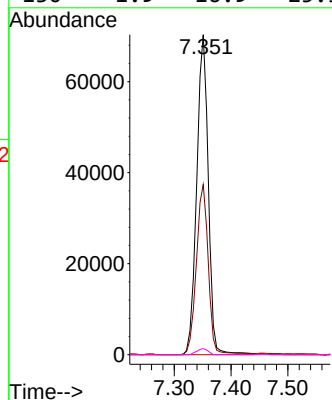
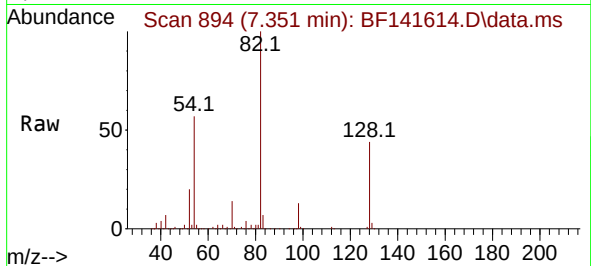




#19
n-Nitroso-di-n-propylamine
Concen: 20.706 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF141614.D
Acq: 13 Feb 2025 15:03

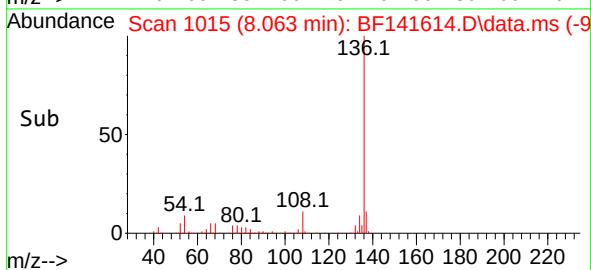
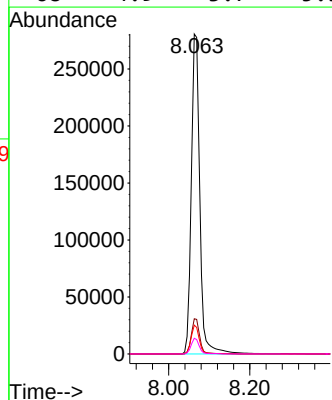
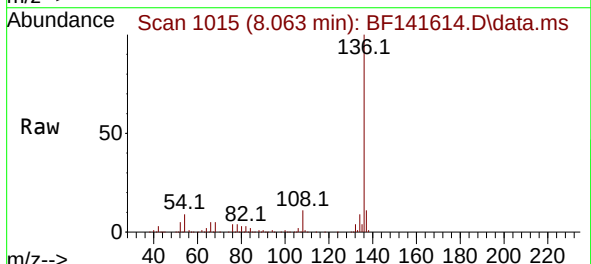
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

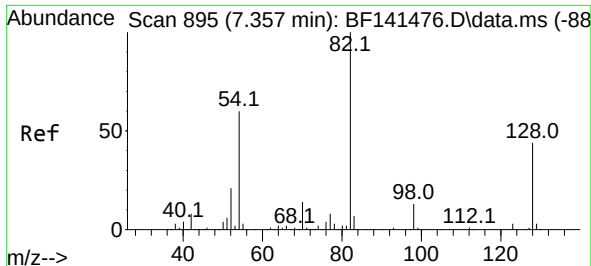
Tgt Ion: 70 Resp: 100504
Ion Ratio Lower Upper
70 100
42 53.2 57.4 86.2#
101 0.0 8.0 12.0#
130 1.9 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141614.D
Acq: 13 Feb 2025 15:03

Tgt Ion: 136 Resp: 407167
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.0 7.2 10.8
68 4.9 3.7 5.5

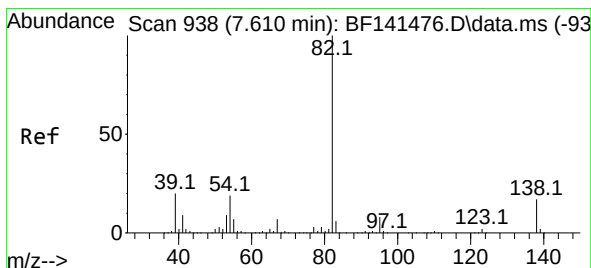
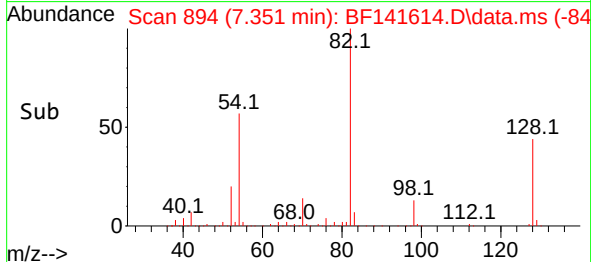
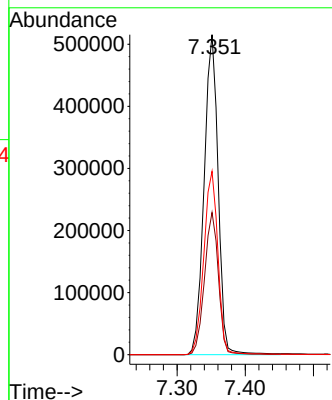
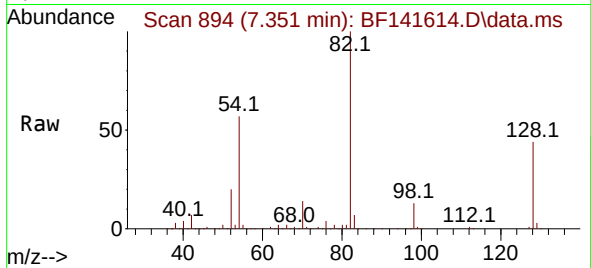




#23
Nitrobenzene-d5
Concen: 94.423 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF141614.D
Acq: 13 Feb 2025 15:03

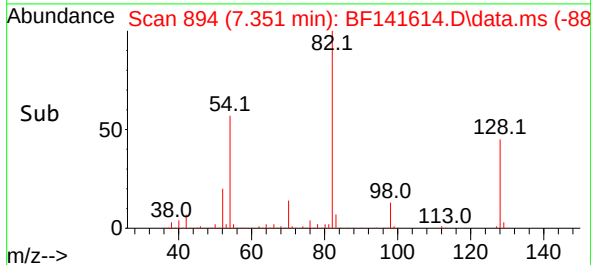
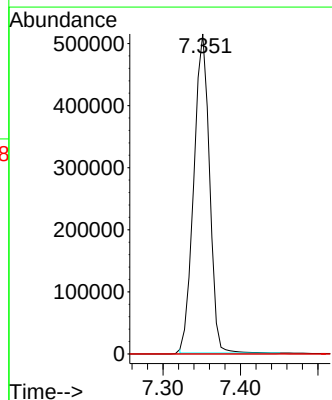
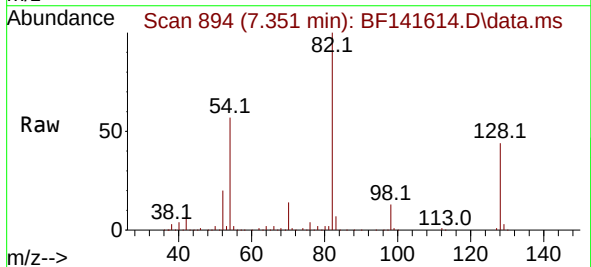
Instrument :
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ClientSampleId :
SOIL-PILE

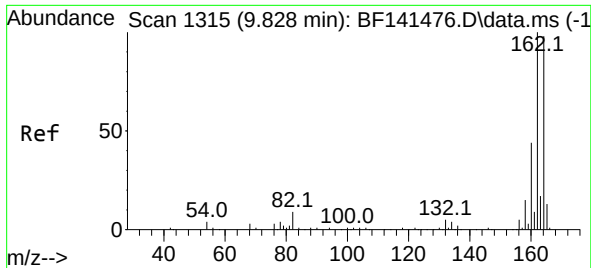
Tgt Ion: 82 Resp: 737101
Ion Ratio Lower Upper
82 100
128 44.4 34.8 52.2
54 57.3 48.2 72.4



#25
Isophorone
Concen: 58.062 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF141614.D
Acq: 13 Feb 2025 15:03

Tgt Ion: 82 Resp: 722697
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#

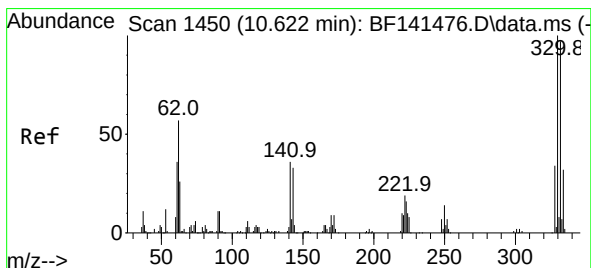
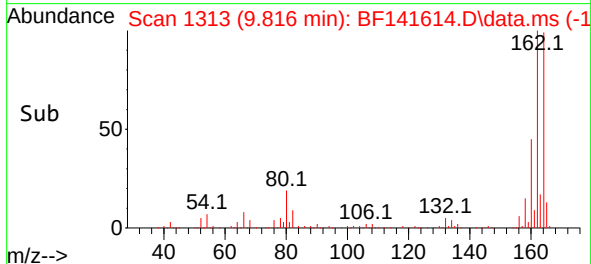
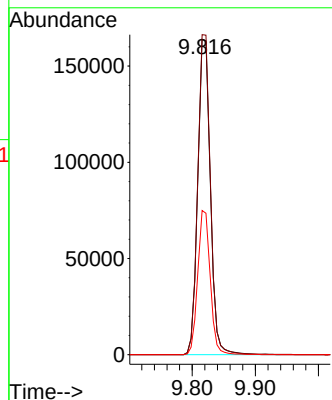
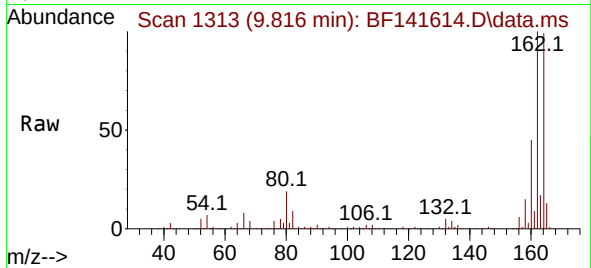




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141614.D
Acq: 13 Feb 2025 15:03

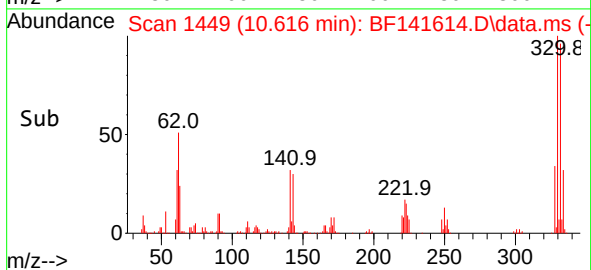
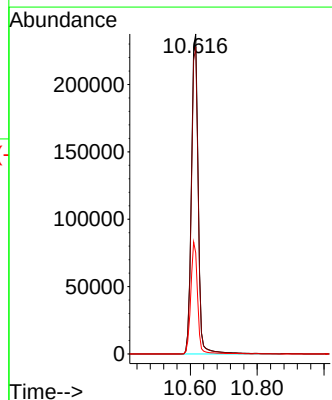
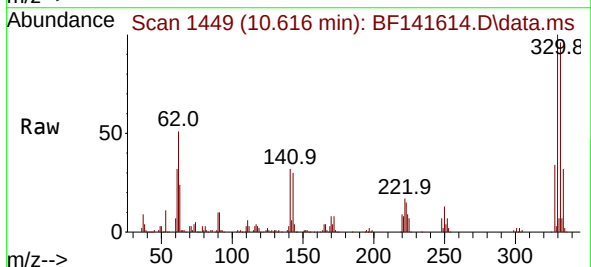
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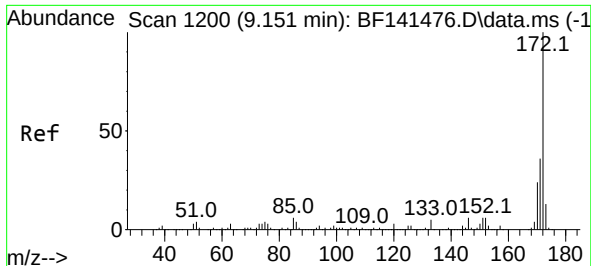
Tgt Ion:164 Resp: 227613
Ion Ratio Lower Upper
164 100
162 101.5 81.3 121.9
160 45.7 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 147.467 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF141614.D
Acq: 13 Feb 2025 15:03

Tgt Ion:330 Resp: 337180
Ion Ratio Lower Upper
330 100
332 95.4 78.5 117.7
141 34.6 31.0 46.4

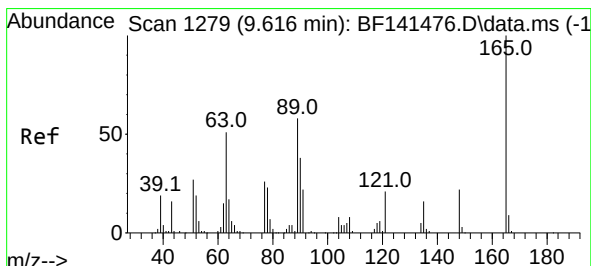
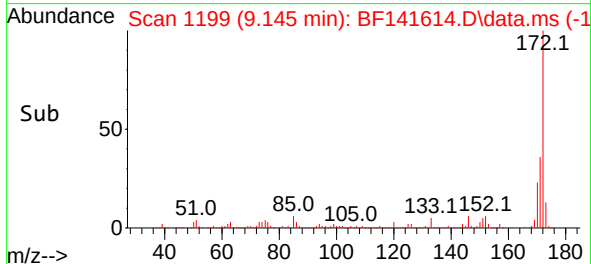
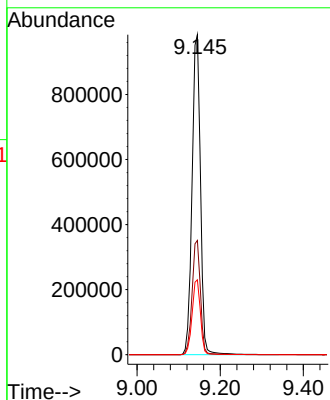
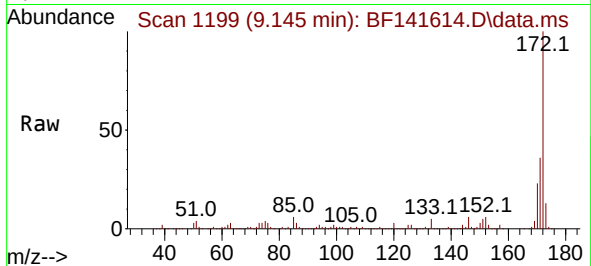




#45
2-Fluorobiphenyl
Concen: 93.445 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141614.D
Acq: 13 Feb 2025 15:03

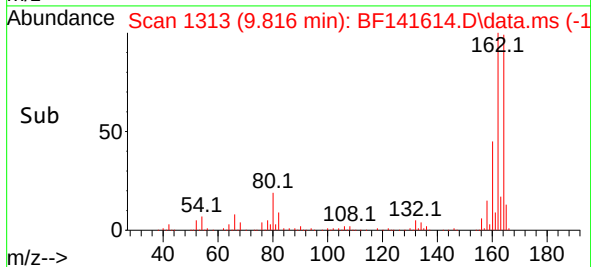
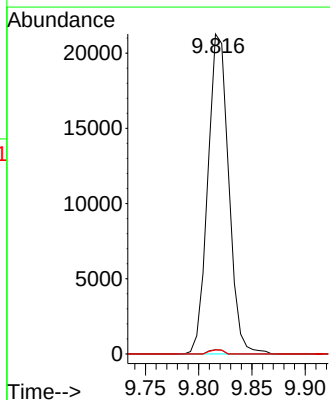
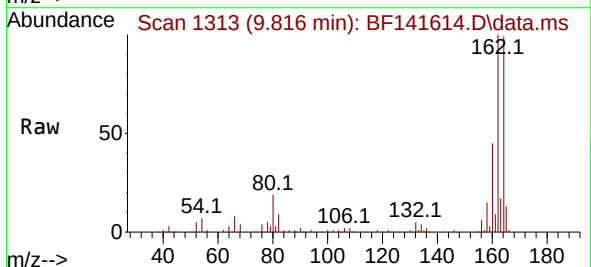
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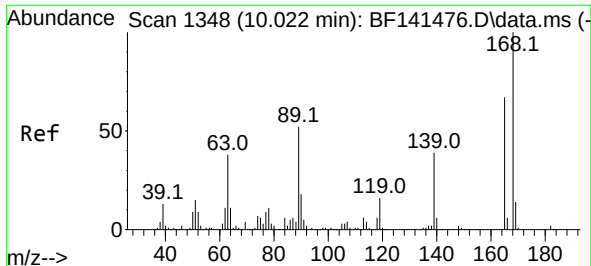
Tgt Ion:172 Resp: 1380549
Ion Ratio Lower Upper
172 100
171 35.7 28.7 43.1
170 23.4 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.566 ng
RT: 9.816 min Scan# 1313
Delta R.T. 0.194 min
Lab File: BF141614.D
Acq: 13 Feb 2025 15:03

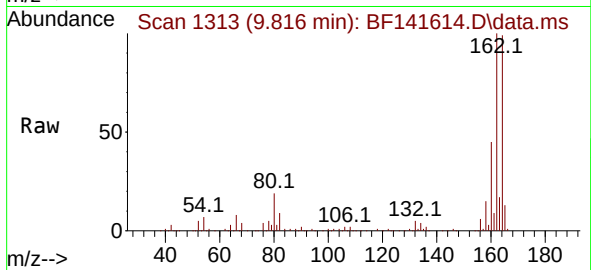
Tgt Ion:165 Resp: 28935
Ion Ratio Lower Upper
165 100
63 1.4 49.4 74.0#
89 1.3 46.5 69.7#



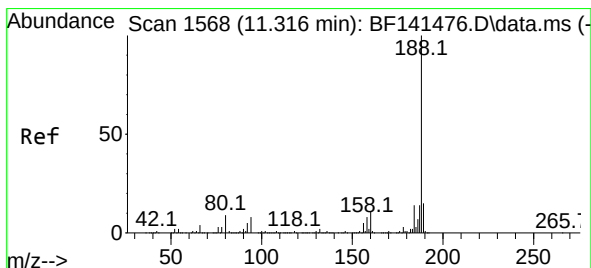
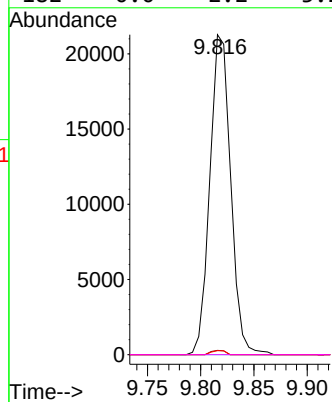
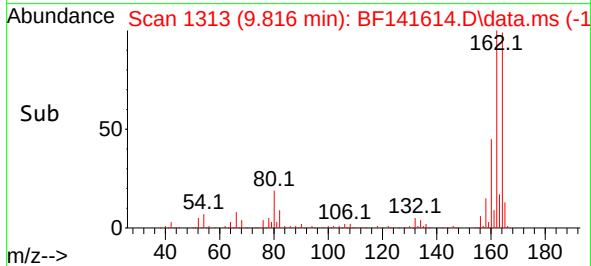


#57
2,4-Dinitrotoluene
Concen: 6.435 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF141614.D
Acq: 13 Feb 2025 15:03

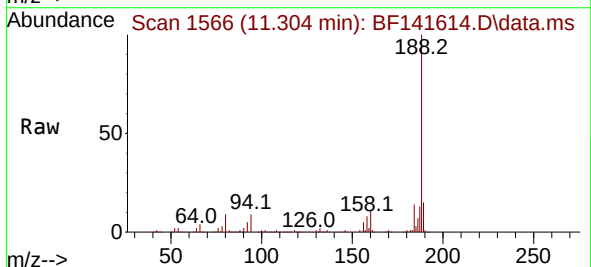
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE



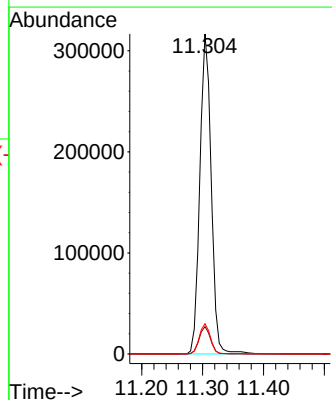
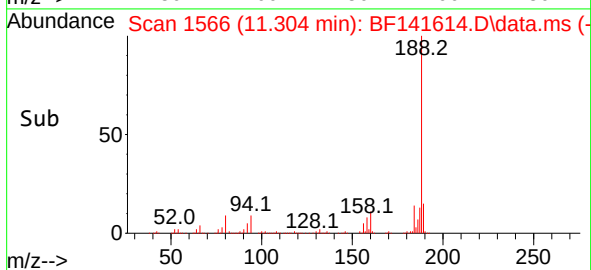
Tgt Ion:165 Resp: 28935
Ion Ratio Lower Upper
165 100
63 1.4 46.4 69.6#
89 1.3 61.8 92.6#
182 0.0 2.2 3.2#

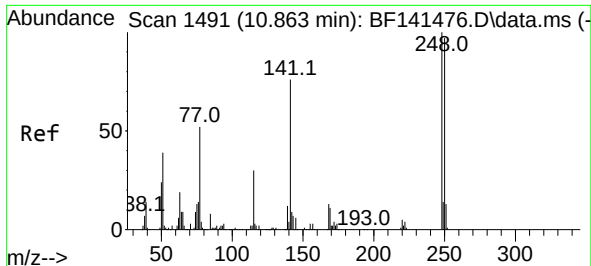


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF141614.D
Acq: 13 Feb 2025 15:03



Tgt Ion:188 Resp: 409558
Ion Ratio Lower Upper
188 100
94 8.6 6.6 10.0
80 9.5 7.3 10.9

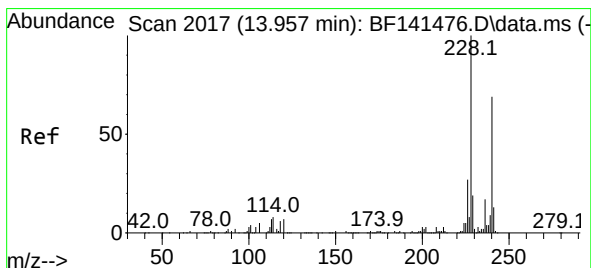
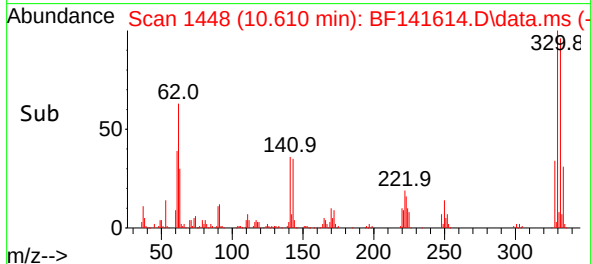
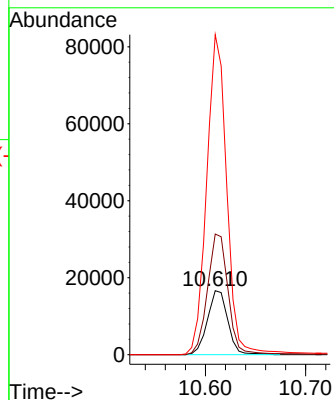
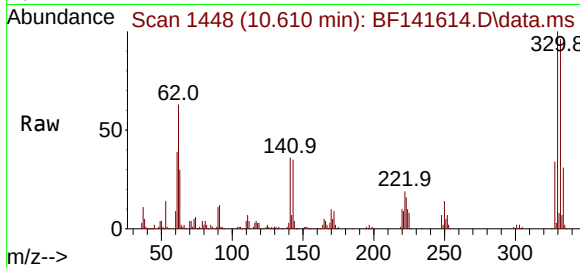




#67
4-Bromophenyl-phenylether
Concen: 5.126 ng
RT: 10.610 min Scan# 1491
Delta R.T. -0.253 min
Lab File: BF141614.D
Acq: 13 Feb 2025 15:03

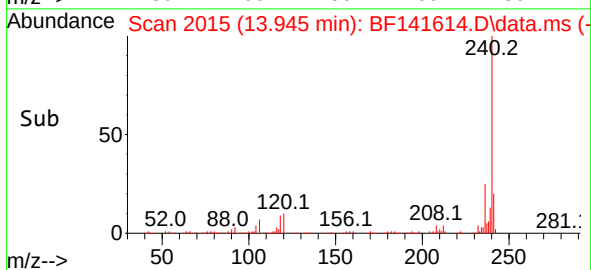
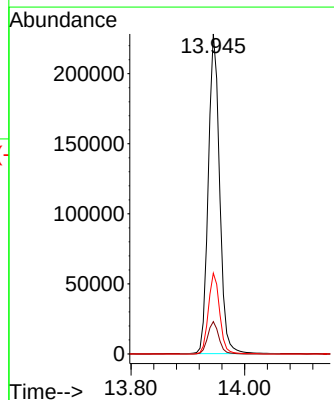
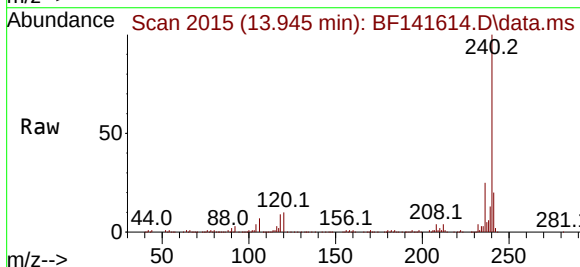
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

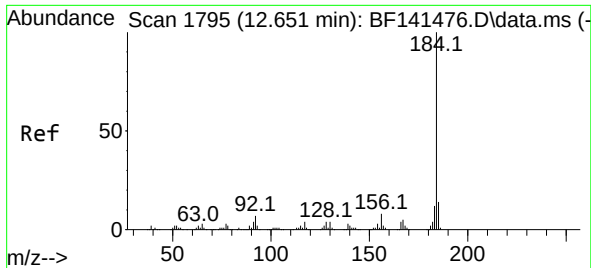
Tgt Ion:248 Resp: 23465
Ion Ratio Lower Upper
248 100
250 188.5 77.8 116.6#
141 500.1 60.6 90.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.018 min
Lab File: BF141614.D
Acq: 13 Feb 2025 15:03

Tgt Ion:240 Resp: 314278
Ion Ratio Lower Upper
240 100
120 10.1 8.0 12.0
236 25.2 19.8 29.8

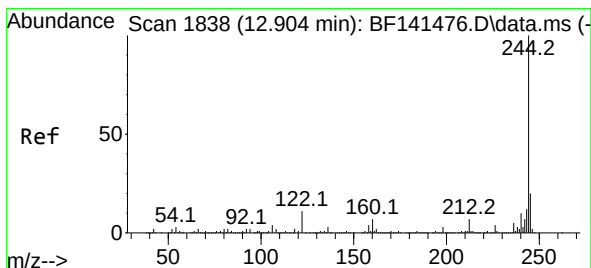
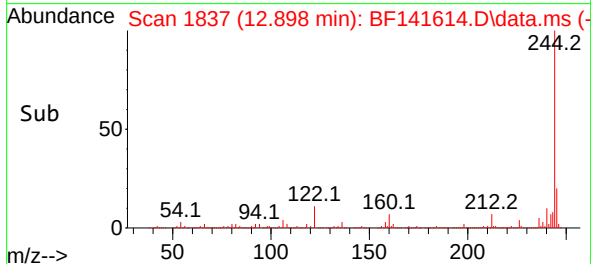
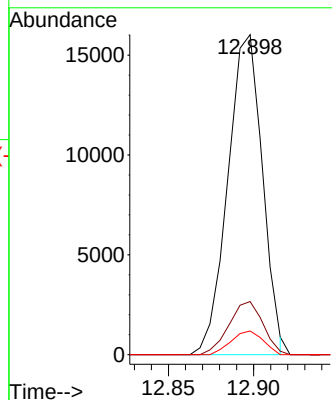
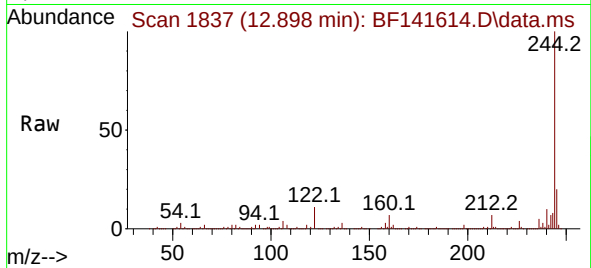




#77
Benzidine
Concen: 3.269 ng
RT: 12.898 min Scan# 1837
Delta R.T. 0.241 min
Lab File: BF141614.D
Acq: 13 Feb 2025 15:03

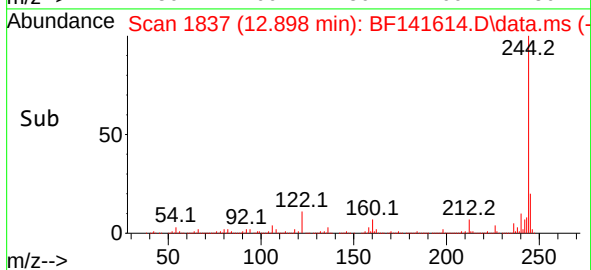
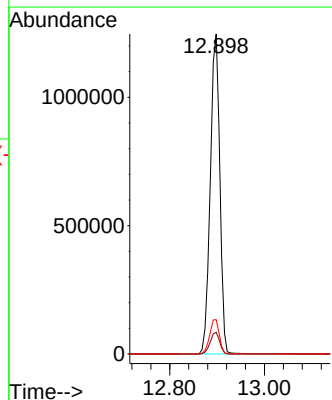
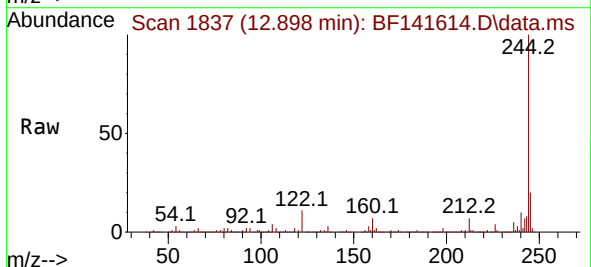
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

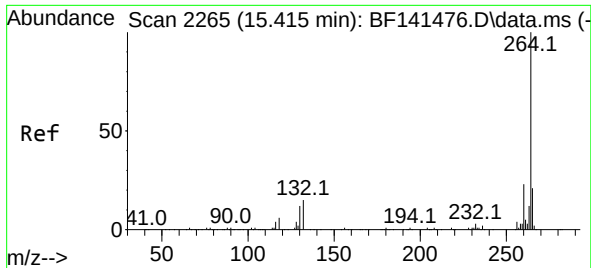
Tgt Ion:184 Resp: 22658
Ion Ratio Lower Upper
184 100
185 16.6 11.3 16.9
183 7.4 9.3 13.9#



#79
Terphenyl-d14
Concen: 93.386 ng
RT: 12.898 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BF141614.D
Acq: 13 Feb 2025 15:03

Tgt Ion:244 Resp: 1738518
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 10.7 8.4 12.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141614.D
Acq: 13 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tgt Ion:264 Resp: 228130
Ion Ratio Lower Upper
264 100
260 23.7 18.6 28.0
265 21.4 17.0 25.4

