

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120624\
 Data File : BF140773.D
 Acq On : 06 Dec 2024 18:08
 Operator : RC/JU
 Sample : P5117-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TAPIAL2-IDW-SOIL-120424-00-T2

Quant Time: Dec 06 21:55:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

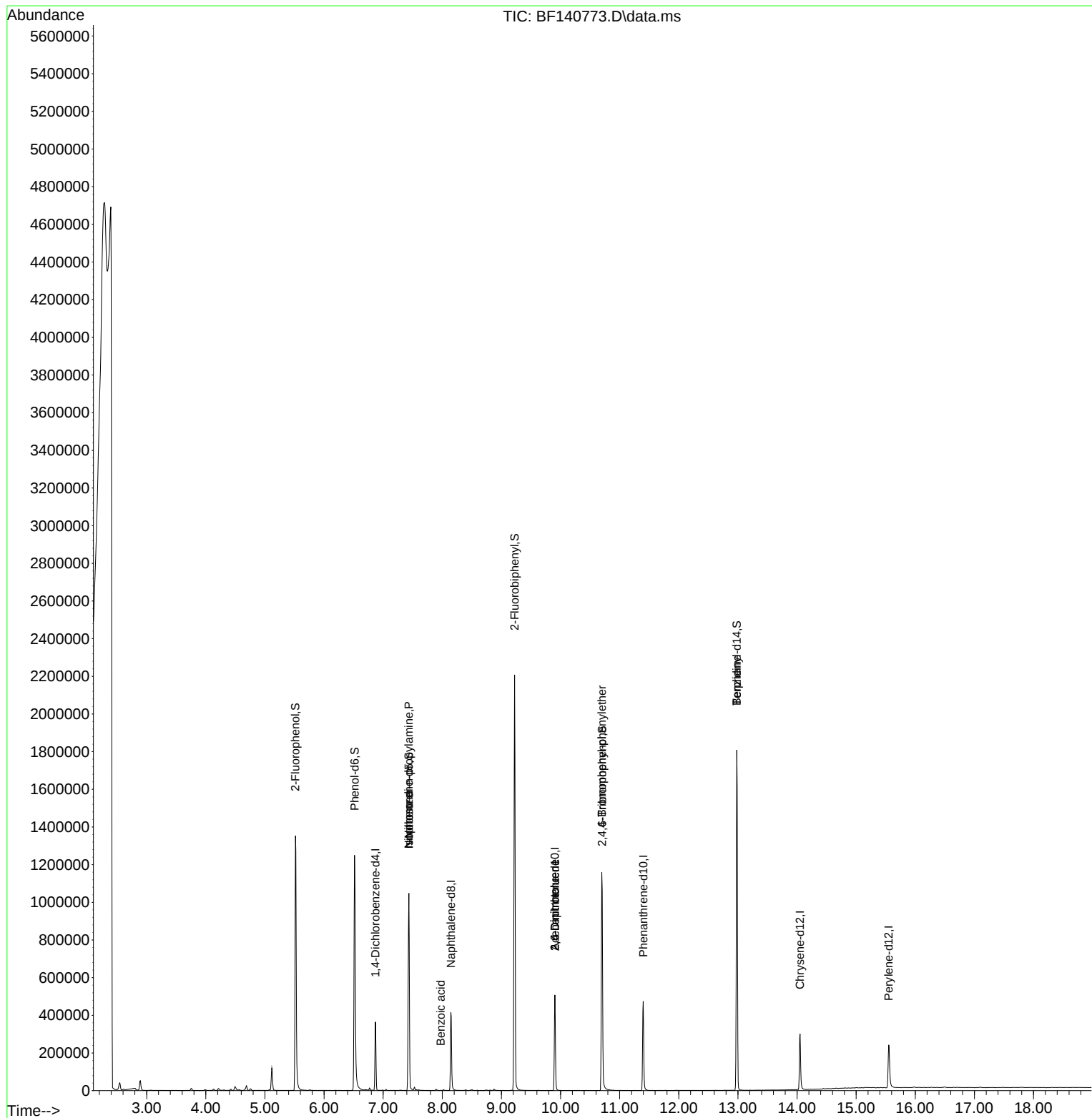
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	75283	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	286087	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	161217	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	283365	20.000	ng	0.00
76) Chrysene-d12	14.051	240	166085	20.000	ng	0.00
86) Perylene-d12	15.551	264	166285	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	562864	127.567	ng	0.02
7) Phenol-d6	6.516	99	681107	116.765	ng	0.00
23) Nitrobenzene-d5	7.434	82	501508	89.666	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	224206	130.033	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	1005825	92.957	ng	-0.01
79) Terphenyl-d14	12.980	244	910243	85.340	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	67040	19.447	ng	# 75
25) Isophorone	7.434	82	501505	53.759	ng	# 66
32) Benzoic acid	7.975	122	372	7.311	ng	# 21
51) 2,6-Dinitrotoluene	9.904	165	20454	8.494	ng	# 20
57) 2,4-Dinitrotoluene	9.904	165	20455	6.391	ng	# 17
67) 4-Bromophenyl-phenylether	10.698	248	14114	4.836	ng	# 1
77) Benzidine	12.980	184	11914	2.467	ng	# 94

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

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QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

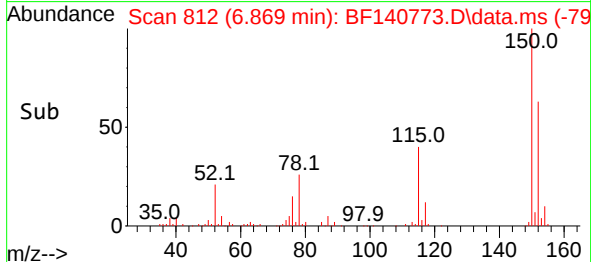
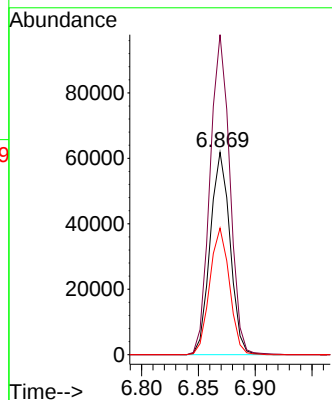
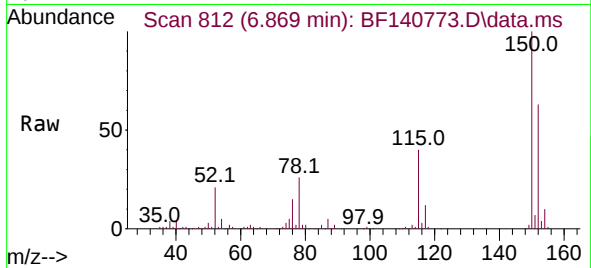




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140773.D
Acq: 06 Dec 2024 18:08

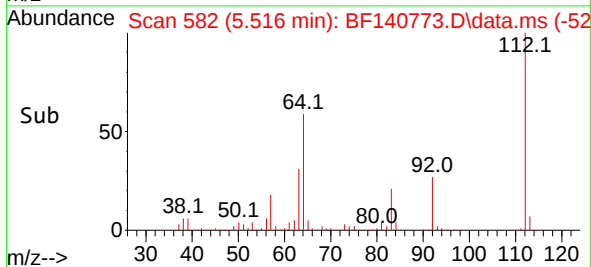
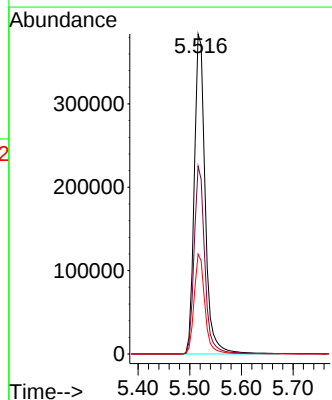
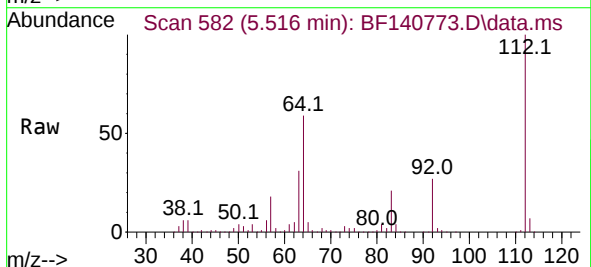
Instrument :
BNA_F
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2

Tgt Ion:152 Resp: 75283
Ion Ratio Lower Upper
152 100
150 158.1 128.5 192.7
115 62.6 50.2 75.4



#5
2-Fluorophenol
Concen: 127.567 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.018 min
Lab File: BF140773.D
Acq: 06 Dec 2024 18:08

Tgt Ion:112 Resp: 562864
Ion Ratio Lower Upper
112 100
64 58.7 49.2 73.8
63 31.2 27.0 40.4

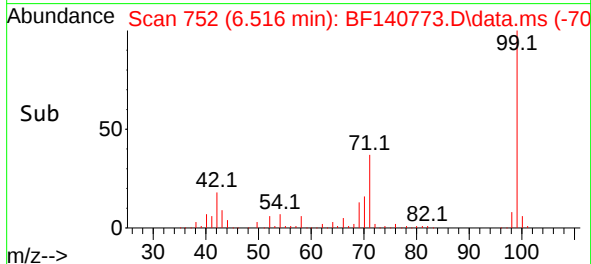
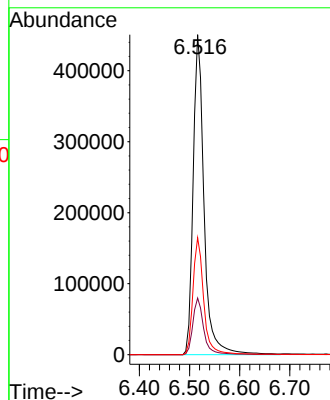
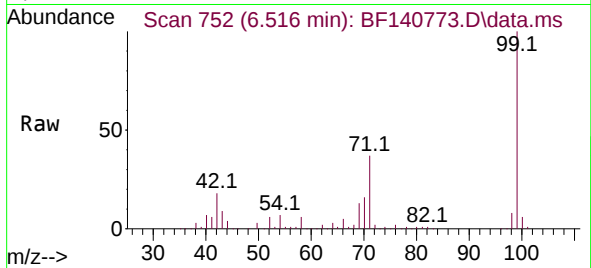




#7
Phenol-d6
Concen: 116.765 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF140773.D
Acq: 06 Dec 2024 18:08

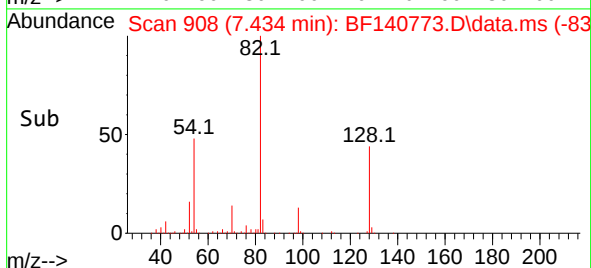
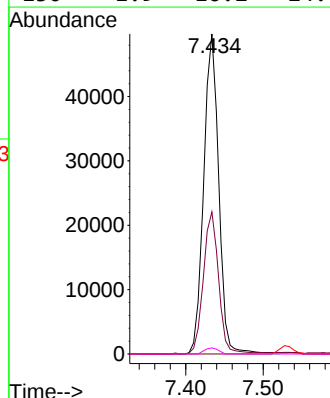
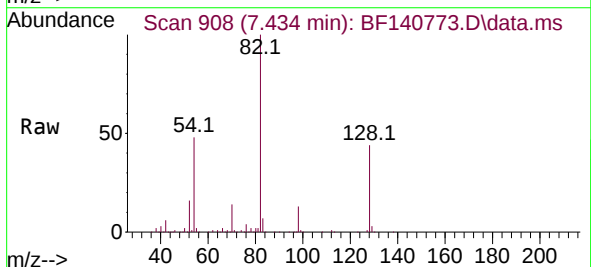
Instrument :
BNA_F
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2

Tgt Ion: 99 Resp: 681107
Ion Ratio Lower Upper
99 100
42 17.7 15.4 23.0
71 36.6 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 19.447 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.147 min
Lab File: BF140773.D
Acq: 06 Dec 2024 18:08

Tgt Ion: 70 Resp: 67040
Ion Ratio Lower Upper
70 100
42 44.4 47.6 71.4#
101 0.0 7.6 11.4#
130 1.9 16.2 24.4#

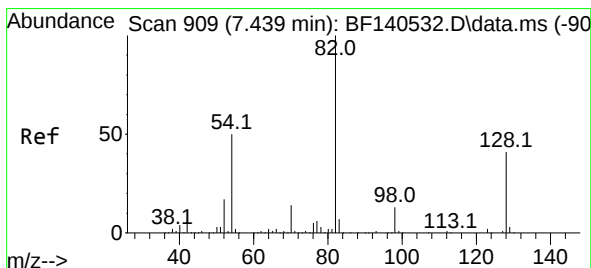
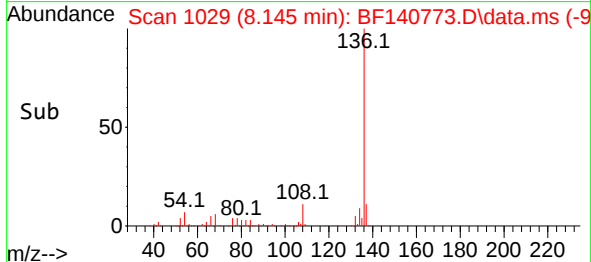
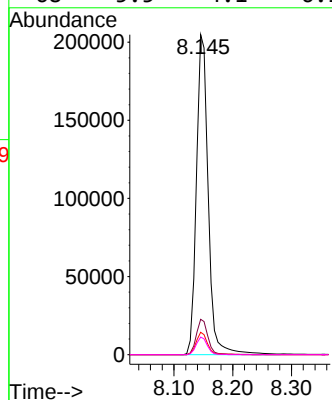
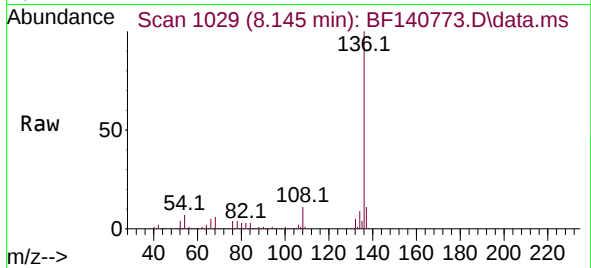




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1031
Delta R.T. -0.012 min
Lab File: BF140773.D
Acq: 06 Dec 2024 18:08

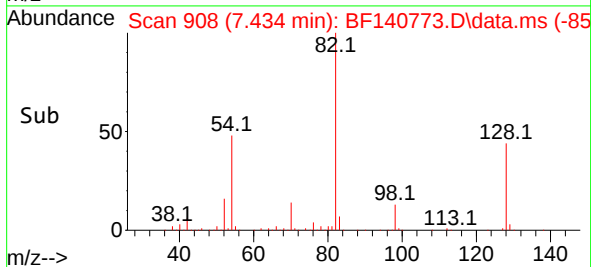
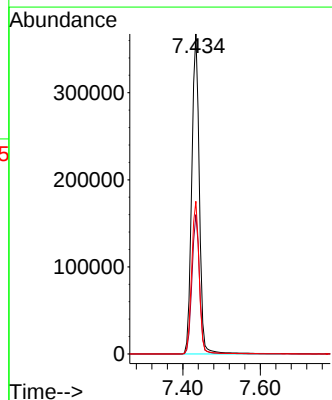
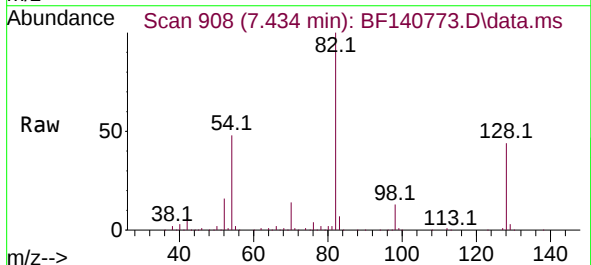
Instrument :
BNA_F
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2

Tgt	Ion:136	Resp:	286087
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	7.0	5.8	8.8
68	5.5	4.1	6.1



#23
Nitrobenzene-d5
Concen: 89.666 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140773.D
Acq: 06 Dec 2024 18:08

Tgt Ion: 82	Resp: 501508
Ion Ratio	Lower Upper
82 100	
128 43.6	33.0 49.4
54 47.7	39.5 59.3

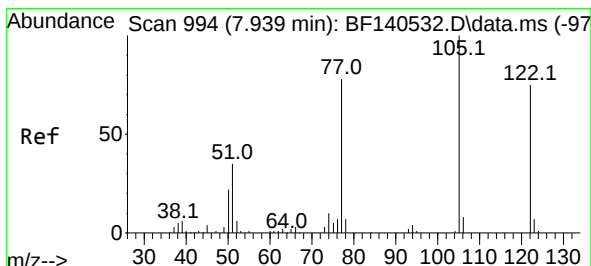
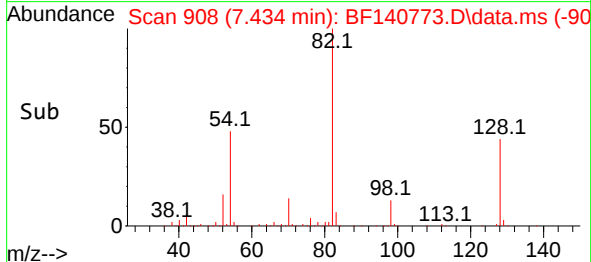
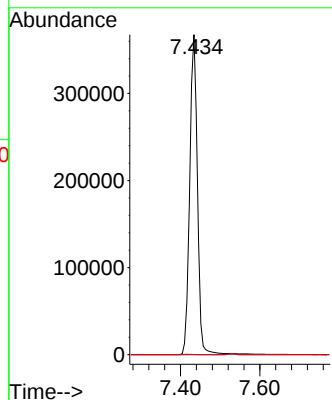
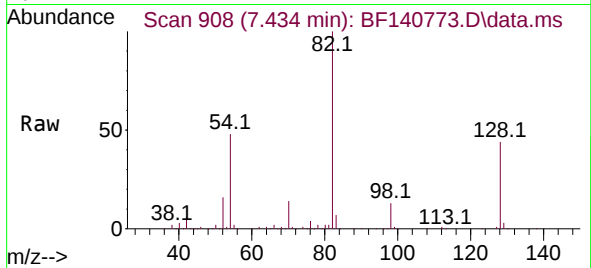




#25
Isophorone
Concen: 53.759 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140773.D
Acq: 06 Dec 2024 18:08

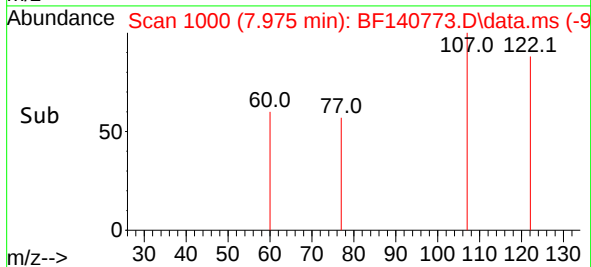
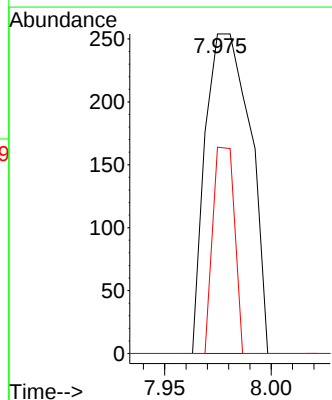
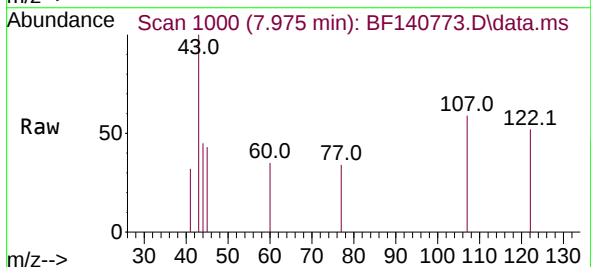
Instrument :
BNA_F
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2

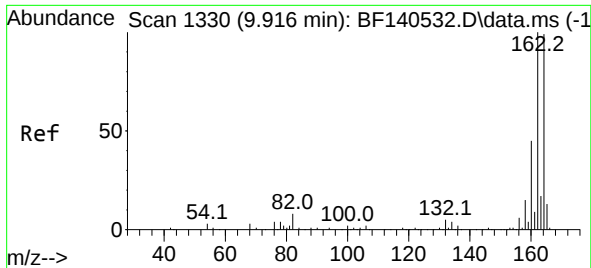
Tgt Ion: 82 Resp: 501505
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.1 13.8 20.6#



#32
Benzoic acid
Concen: 7.311 ng
RT: 7.975 min Scan# 1000
Delta R.T. 0.036 min
Lab File: BF140773.D
Acq: 06 Dec 2024 18:08

Tgt Ion:122 Resp: 372
Ion Ratio Lower Upper
122 100
105 0.0 109.3 149.3#
77 64.6 82.3 122.3#

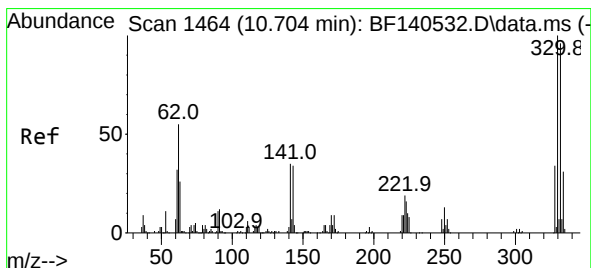
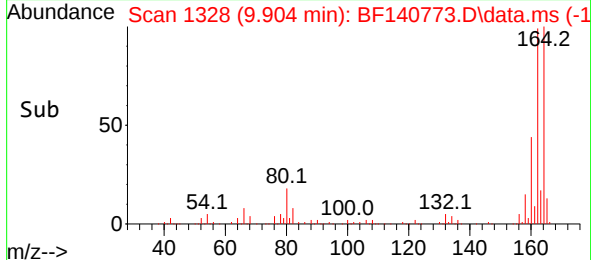
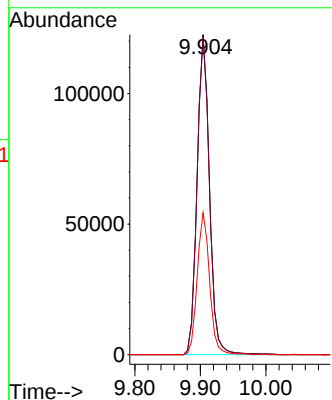
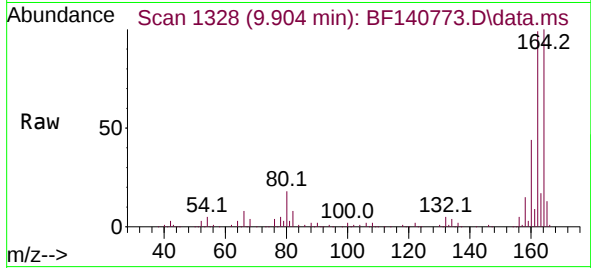




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140773.D
Acq: 06 Dec 2024 18:08

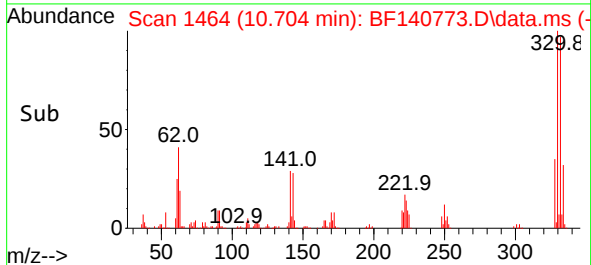
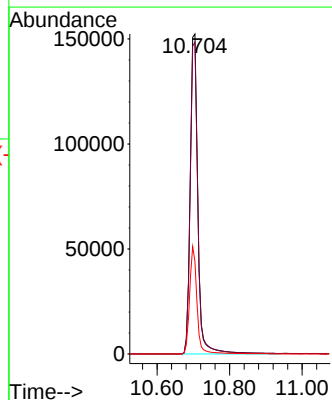
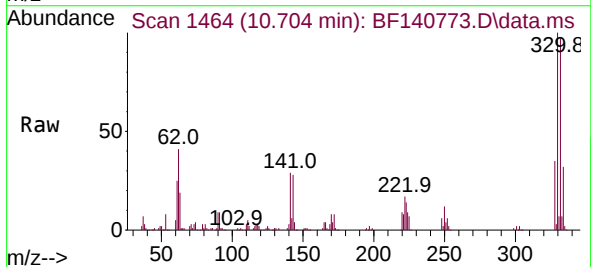
Instrument :
BNA_F
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2

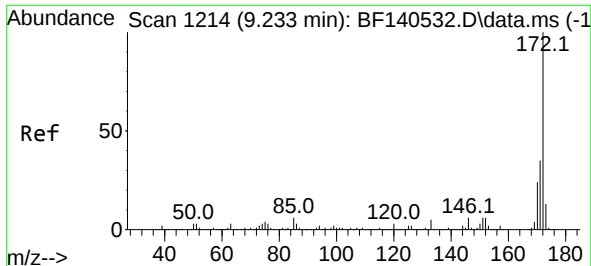
Tgt Ion:164 Resp: 161217
Ion Ratio Lower Upper
164 100
162 99.3 80.6 120.8
160 44.3 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 130.033 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF140773.D
Acq: 06 Dec 2024 18:08

Tgt Ion:330 Resp: 224206
Ion Ratio Lower Upper
330 100
332 97.1 76.9 115.3
141 32.2 26.7 40.1

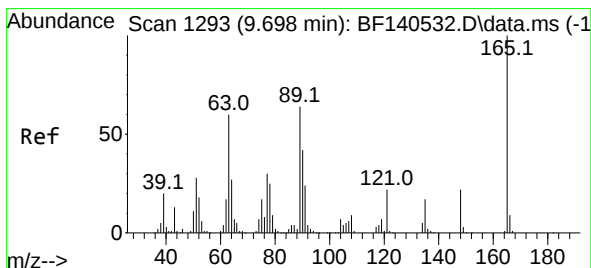
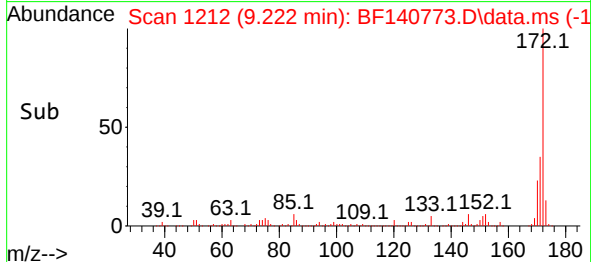
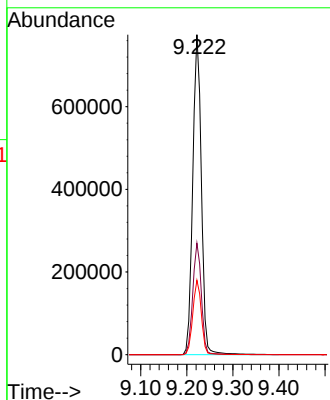
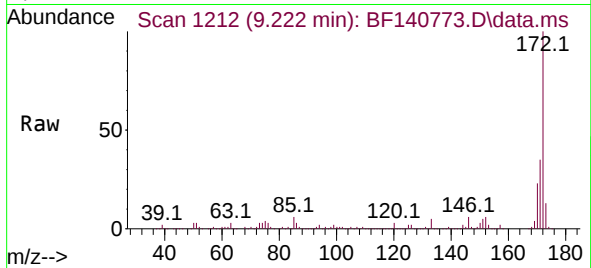




#45
2-Fluorobiphenyl
Concen: 92.957 ng
RT: 9.222 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140773.D
Acq: 06 Dec 2024 18:08

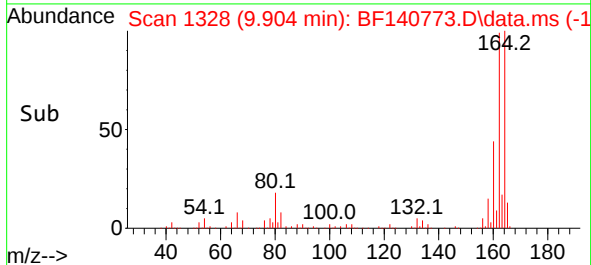
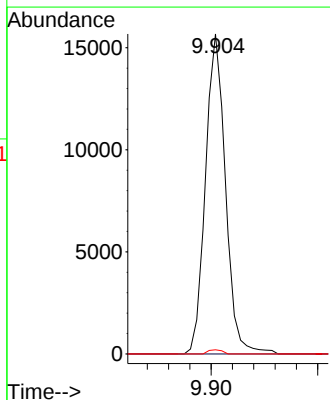
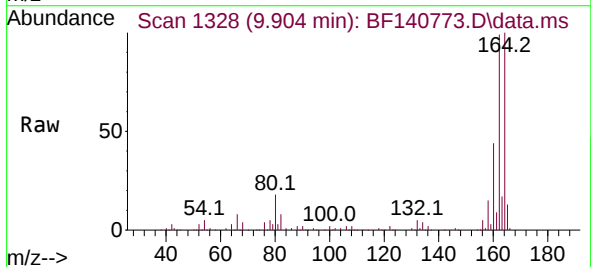
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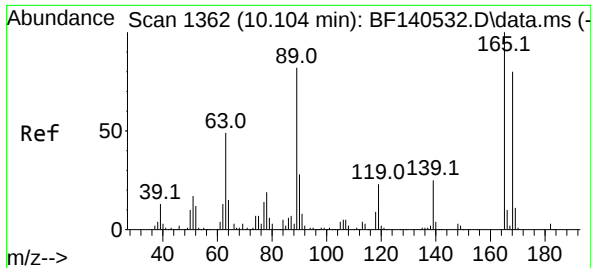
Tgt Ion:172 Resp: 1005825
Ion Ratio Lower Upper
172 100
171 34.9 28.4 42.6
170 23.3 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 8.494 ng
RT: 9.904 min Scan# 1328
Delta R.T. 0.206 min
Lab File: BF140773.D
Acq: 06 Dec 2024 18:08

Tgt Ion:165 Resp: 20454
Ion Ratio Lower Upper
165 100
63 0.0 49.9 74.9#
89 1.3 50.9 76.3#

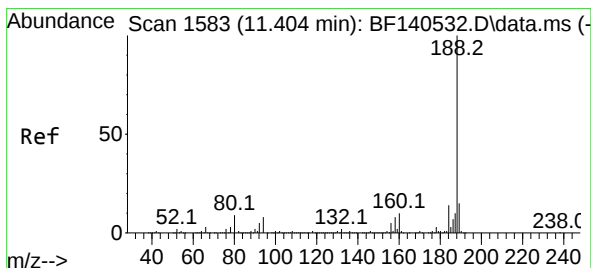
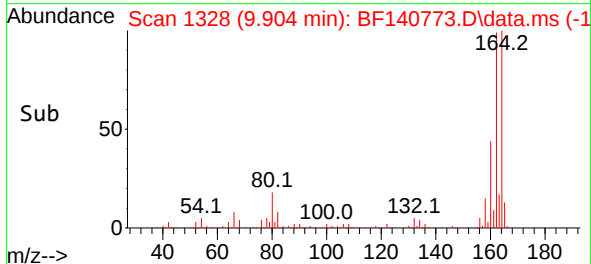
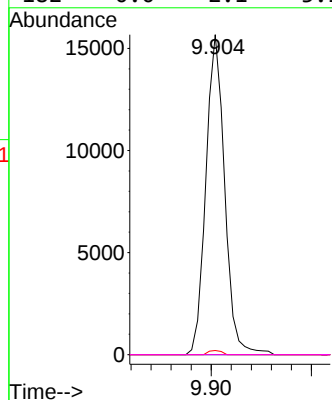
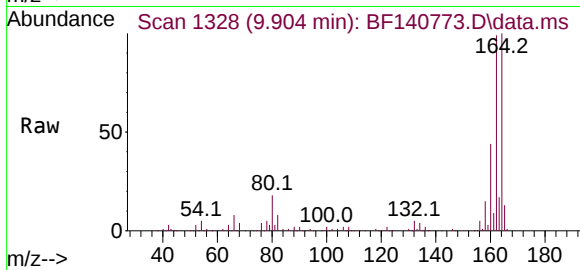




#57
2,4-Dinitrotoluene
Concen: 6.391 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF140773.D
Acq: 06 Dec 2024 18:08

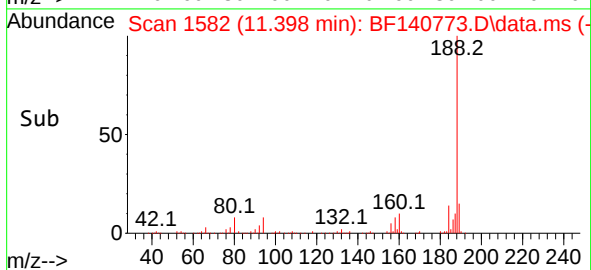
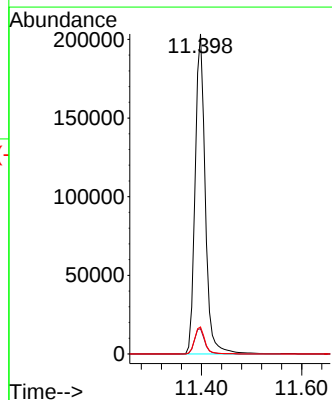
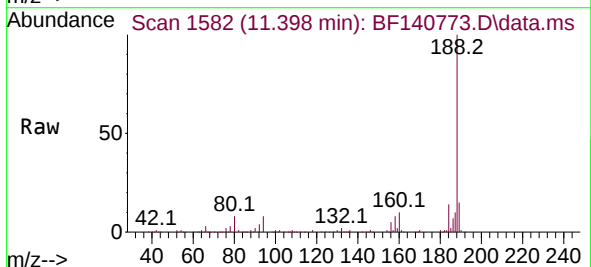
Instrument :
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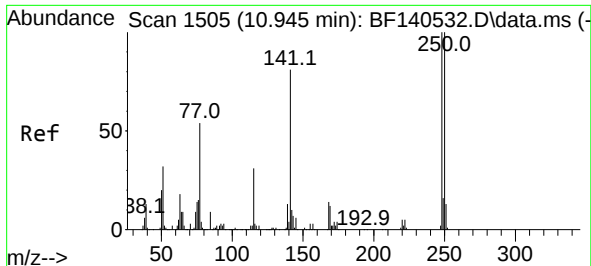
Tgt Ion:165	Resp:	20455
Ion Ratio	Lower	Upper
165	100	
63	0.0	41.7 62.5#
89	1.3	65.8 98.8#
182	0.0	2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140773.D
Acq: 06 Dec 2024 18:08

Tgt Ion:188	Resp:	283365
Ion Ratio	Lower	Upper
188	100	
94	7.9	6.4 9.6
80	8.5	6.9 10.3

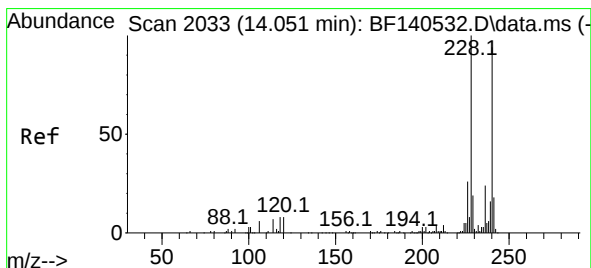
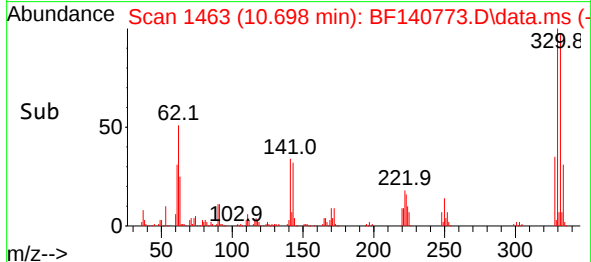
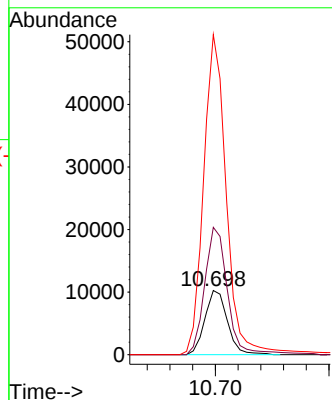
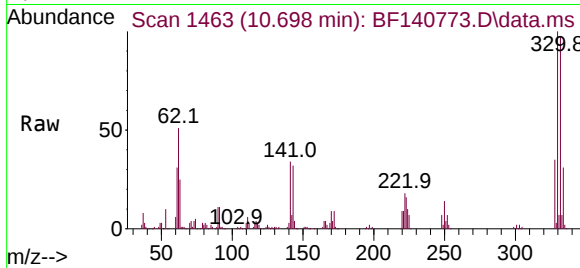




#67
4-Bromophenyl-phenylether
Concen: 4.836 ng
RT: 10.698 min Scan# 14114
Delta R.T. -0.247 min
Lab File: BF140773.D
Acq: 06 Dec 2024 18:08

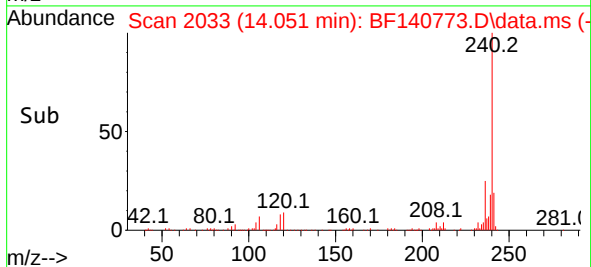
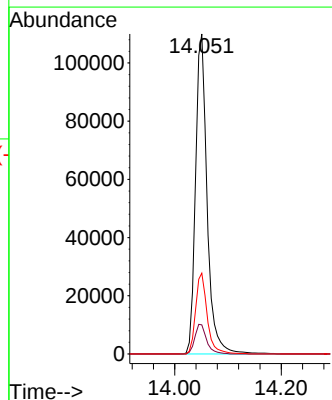
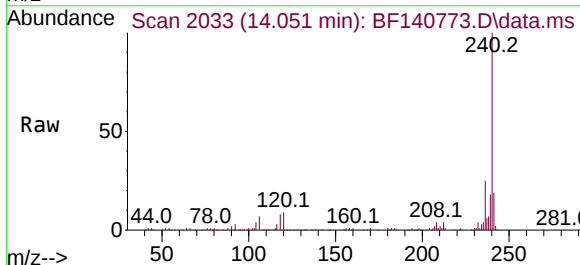
Instrument :
BNA_F
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2

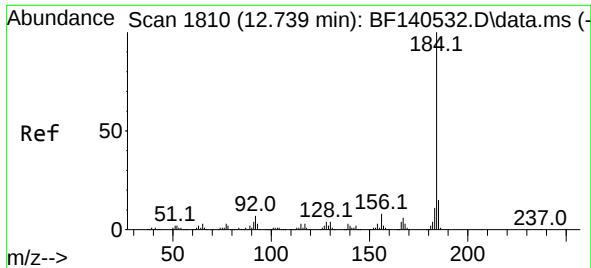
Tgt Ion:248 Resp: 14114
Ion Ratio Lower Upper
248 100
250 198.3 79.8 119.8#
141 498.1 64.7 97.1#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF140773.D
Acq: 06 Dec 2024 18:08

Tgt Ion:240 Resp: 166085
Ion Ratio Lower Upper
240 100
120 9.1 7.3 10.9
236 25.3 20.6 31.0

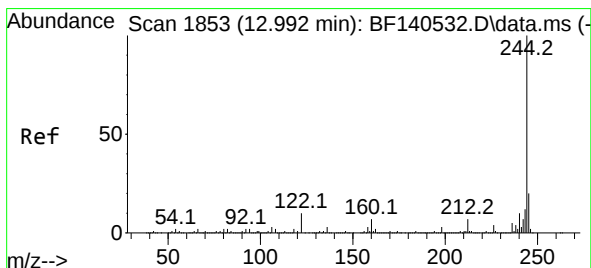
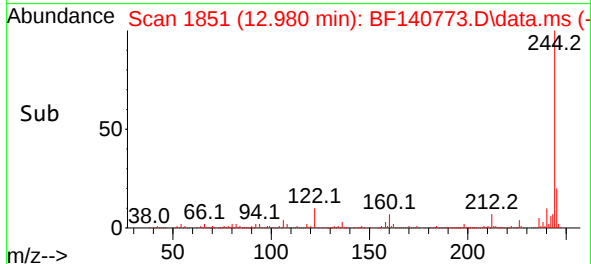
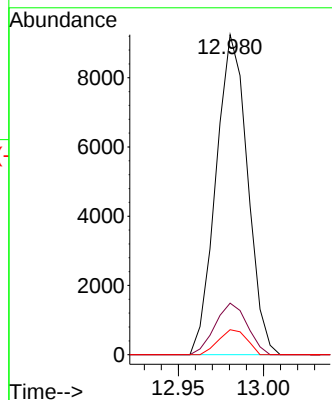
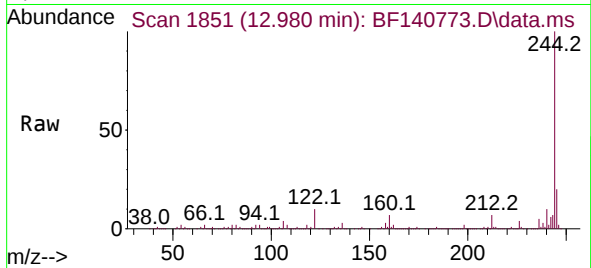




#77
Benzidine
Concen: 2.467 ng
RT: 12.980 min Scan# 1851
Delta R.T. 0.241 min
Lab File: BF140773.D
Acq: 06 Dec 2024 18:08

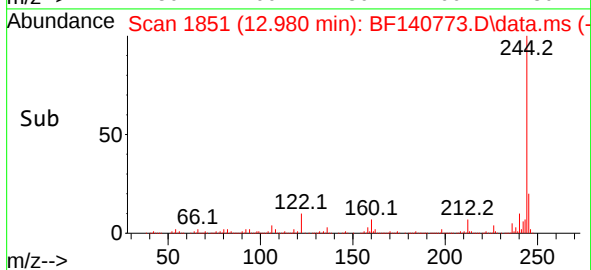
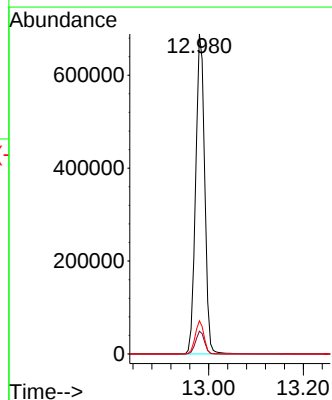
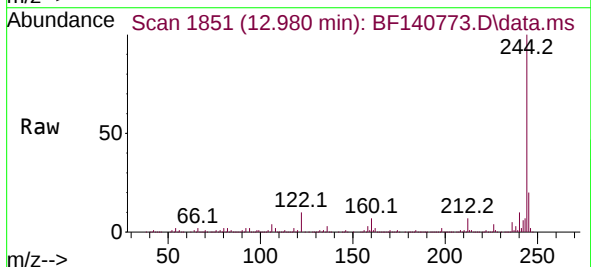
Instrument :
BNA_F
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2

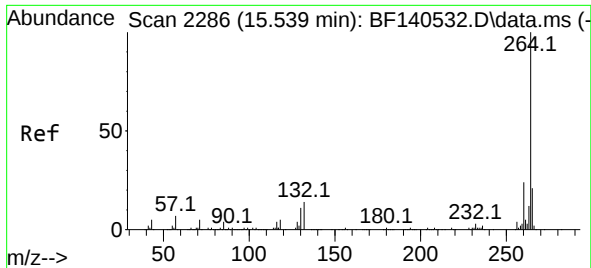
Tgt Ion:184 Resp: 11914
Ion Ratio Lower Upper
184 100
185 16.1 11.7 17.5
183 7.8 8.8 13.2#



#79
Terphenyl-d14
Concen: 85.340 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.012 min
Lab File: BF140773.D
Acq: 06 Dec 2024 18:08

Tgt Ion:244 Resp: 910243
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.8
122 10.4 8.0 12.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF140773.D
Acq: 06 Dec 2024 18:08

Instrument :
BNA_F
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2

Tgt Ion:264 Resp: 166285
Ion Ratio Lower Upper
264 100
260 22.8 19.0 28.6
265 21.1 16.6 25.0

