

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120924\
 Data File : BF140790.D
 Acq On : 09 Dec 2024 15:29
 Operator : RC/JU
 Sample : P5117-02RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Dec 09 16:50:06 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)

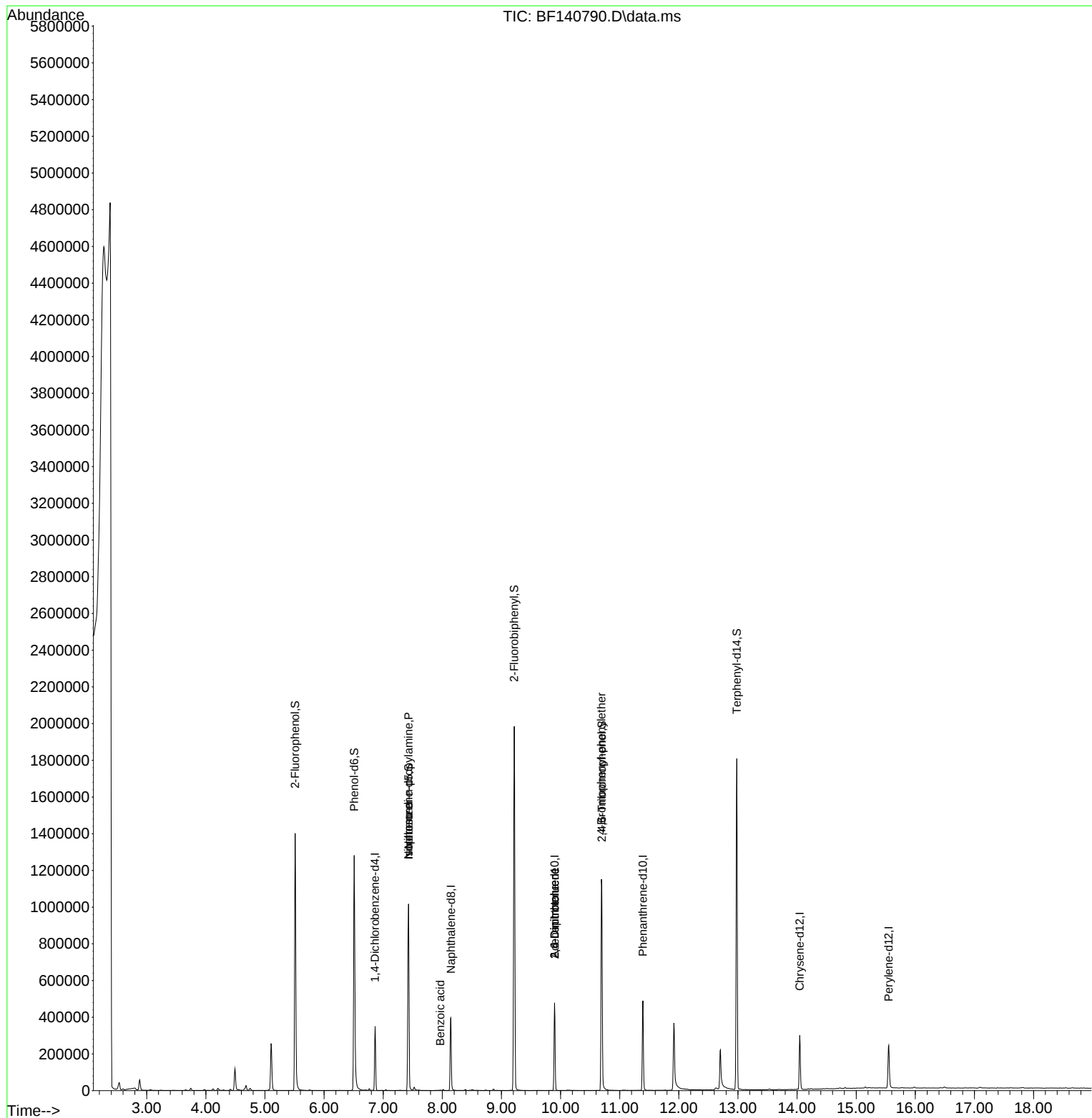
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	73927	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	273491	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	145627	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	269317	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	149997	20.000	ng	0.00
86) Perylene-d12	15.551	264	152646	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	552001	127.400	ng	0.01
7) Phenol-d6	6.510	99	667523	116.535	ng	0.00
23) Nitrobenzene-d5	7.428	82	477264	89.261	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	215076	138.091	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	917382	93.859	ng	-0.02
79) Terphenyl-d14	12.980	244	897296	93.149	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	63904	18.877	ng	# 75
25) Isophorone	7.428	82	471109	52.826	ng	# 66
32) Benzoic acid	7.963	122	840	7.472	ng	# 36
51) 2,6-Dinitrotoluene	9.898	165	19128	8.794	ng	# 20
57) 2,4-Dinitrotoluene	9.898	165	19128	6.617	ng	# 17
67) 4-Bromophenyl-phenylether	10.692	248	13523	4.876	ng	# 1

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

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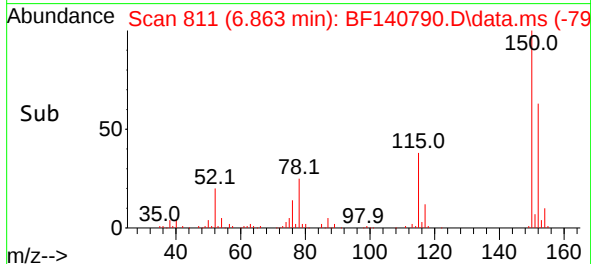
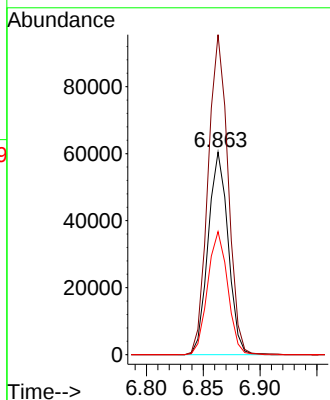
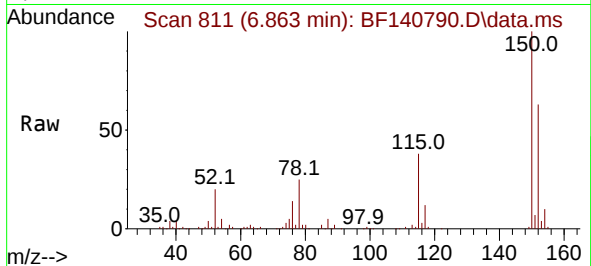




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF140790.D
Acq: 09 Dec 2024 15:29

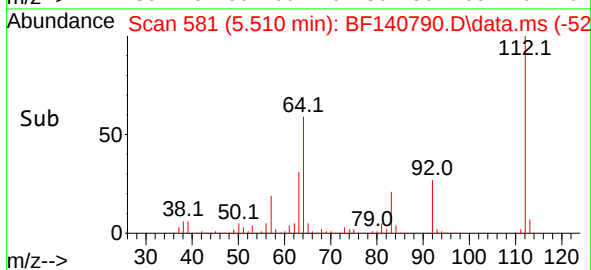
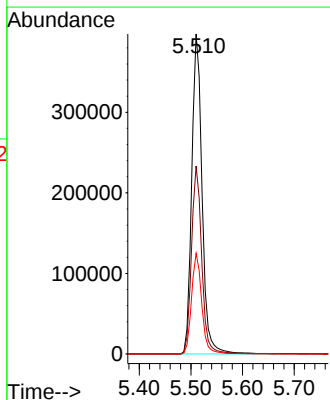
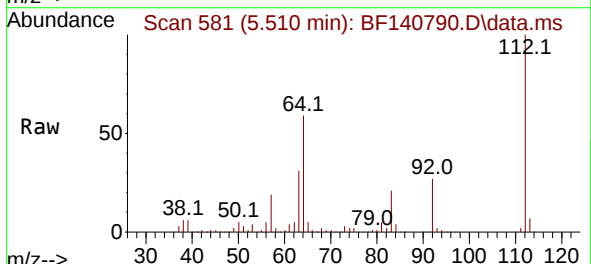
Instrument :
BNA_F
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2

Tgt Ion:152 Resp: 73927
Ion Ratio Lower Upper
152 100
150 157.9 128.5 192.7
115 60.7 50.2 75.4



#5
2-Fluorophenol
Concen: 127.400 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF140790.D
Acq: 09 Dec 2024 15:29

Tgt Ion:112 Resp: 552001
Ion Ratio Lower Upper
112 100
64 58.8 49.2 73.8
63 31.5 27.0 40.4

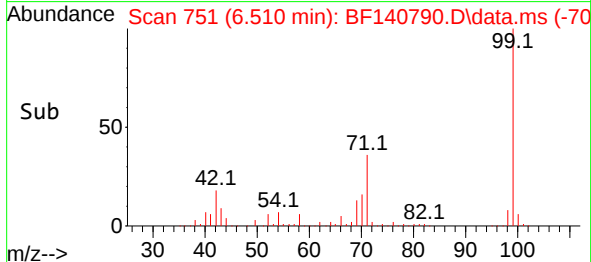
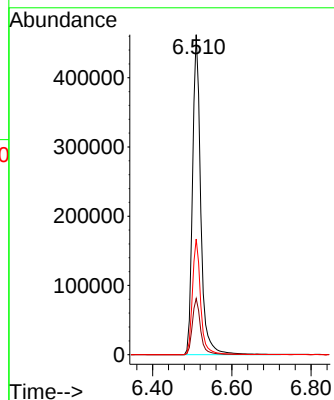
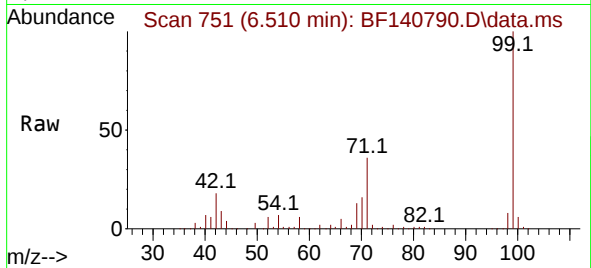




#7
Phenol-d6
Concen: 116.535 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140790.D
Acq: 09 Dec 2024 15:29

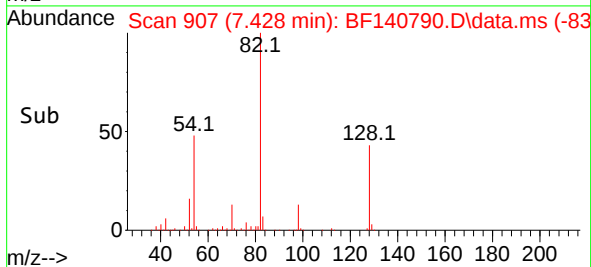
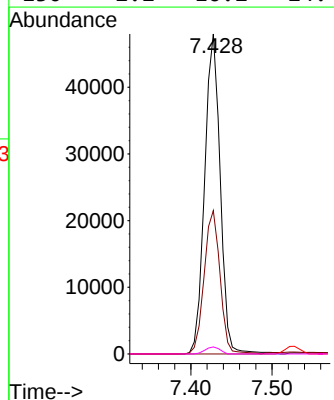
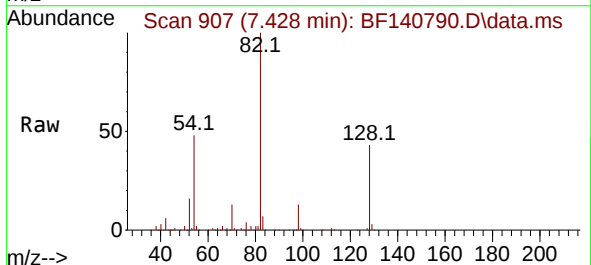
Instrument :
BNA_F
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2

Tgt Ion: 99 Resp: 667523
Ion Ratio Lower Upper
99 100
42 17.5 15.4 23.0
71 36.2 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 18.877 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF140790.D
Acq: 09 Dec 2024 15:29

Tgt Ion: 70 Resp: 63904
Ion Ratio Lower Upper
70 100
42 44.8 47.6 71.4#
101 0.0 7.6 11.4#
130 2.2 16.2 24.4#

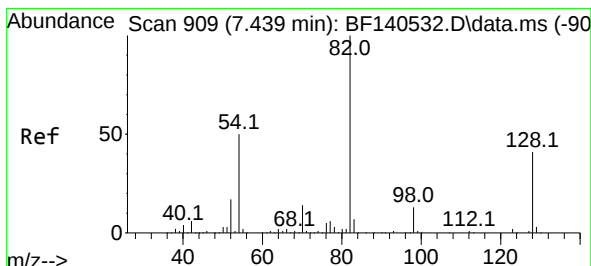
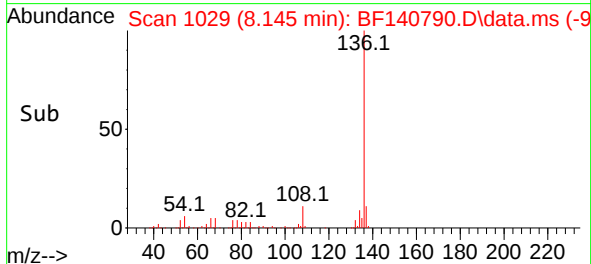
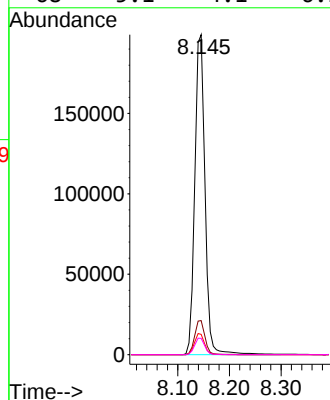
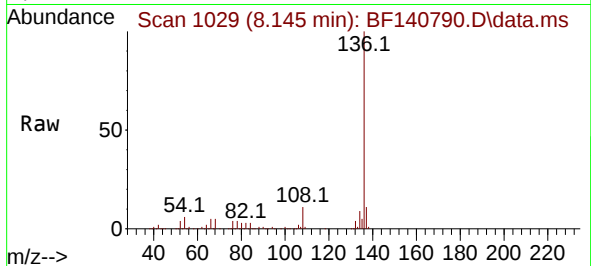




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1031
Delta R.T. -0.012 min
Lab File: BF140790.D
Acq: 09 Dec 2024 15:29

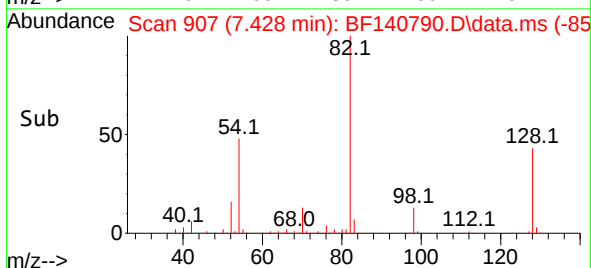
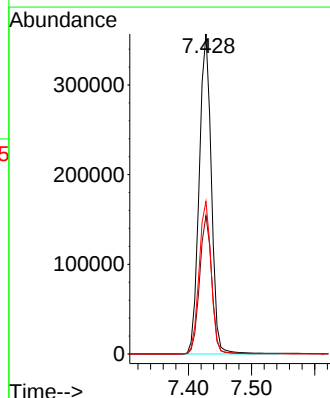
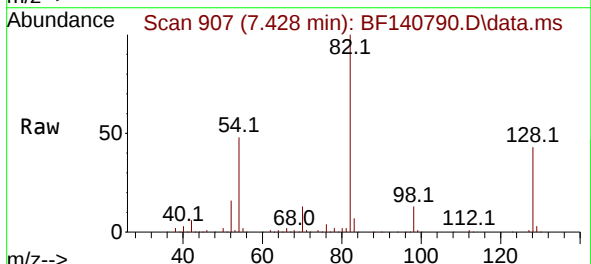
Instrument :
BNA_F
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2

Tgt Ion:136	Resp: 273491
Ion Ratio	Lower Upper
136 100	
137 10.6	8.6 13.0
54 6.3	5.8 8.8
68 5.1	4.1 6.1



#23
Nitrobenzene-d5
Concen: 89.261 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF140790.D
Acq: 09 Dec 2024 15:29

Tgt Ion: 82	Resp: 477264
Ion Ratio	Lower Upper
82 100	
128 43.3	33.0 49.4
54 47.6	39.5 59.3

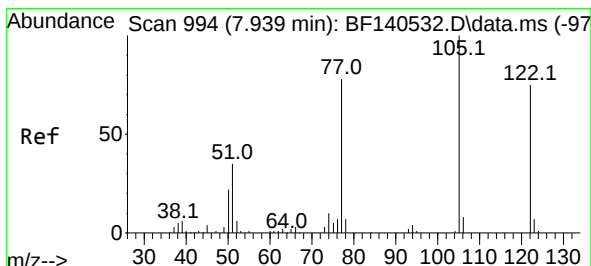
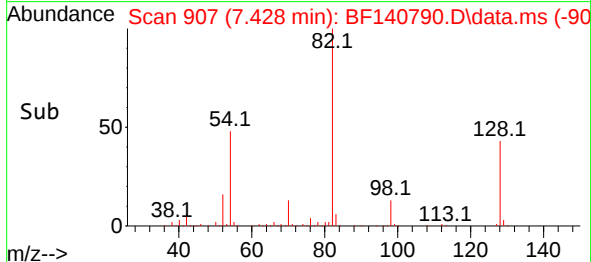
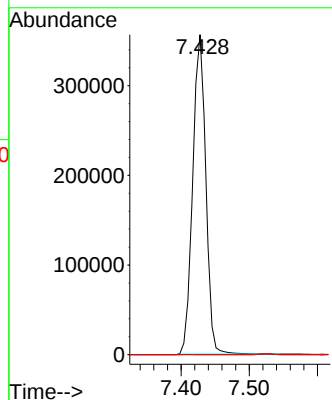
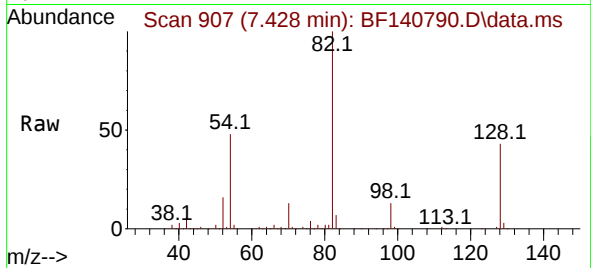




#25
Isophorone
Concen: 52.826 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF140790.D
Acq: 09 Dec 2024 15:29

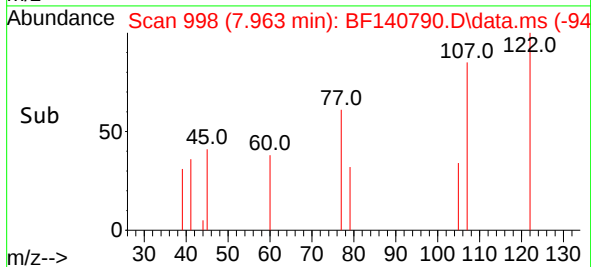
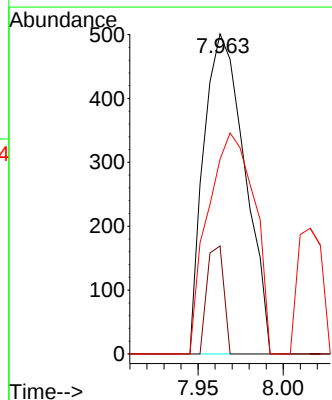
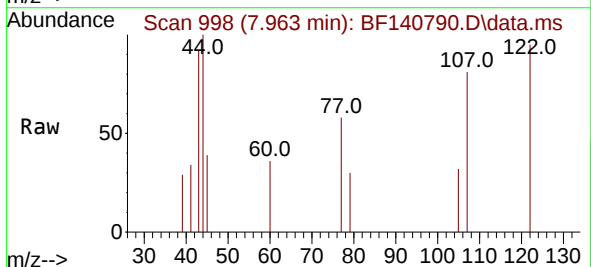
Instrument :
BNA_F
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2

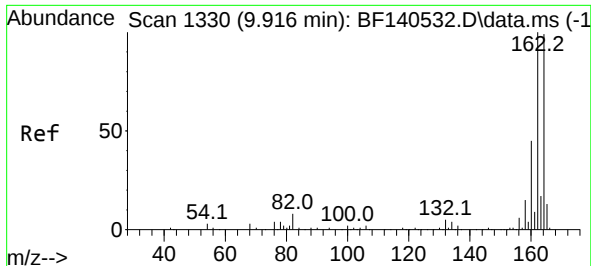
Tgt Ion: 82 Resp: 471109
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 7.472 ng
RT: 7.963 min Scan# 998
Delta R.T. 0.024 min
Lab File: BF140790.D
Acq: 09 Dec 2024 15:29

Tgt Ion:122 Resp: 840
Ion Ratio Lower Upper
122 100
105 33.7 109.3 149.3#
77 60.9 82.3 122.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF140790.D

Acq: 09 Dec 2024 15:29

Instrument :

BNA_F

ClientSampleId :

TAPIAL2-IDW-SOIL-120424-00-T2

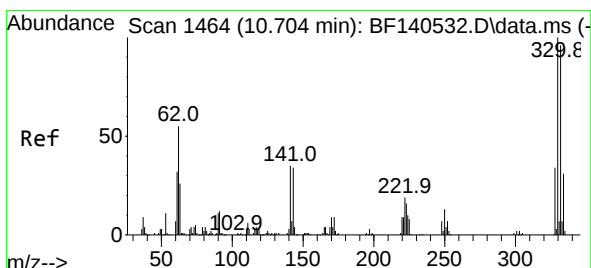
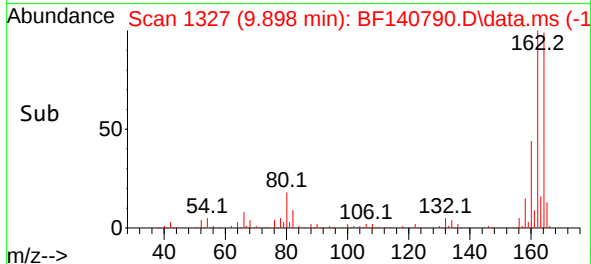
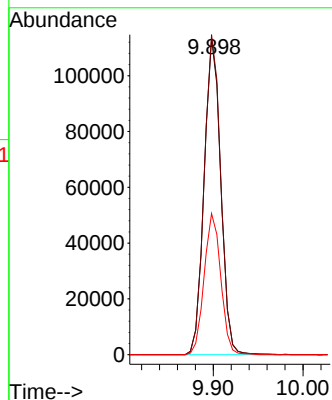
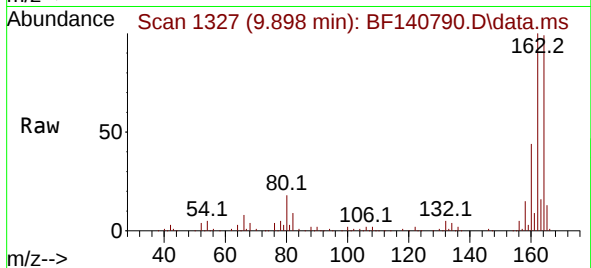
Tgt Ion:164 Resp: 145627

Ion Ratio Lower Upper

164 100

162 101.1 80.6 120.8

160 44.6 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 138.091 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140790.D

Acq: 09 Dec 2024 15:29

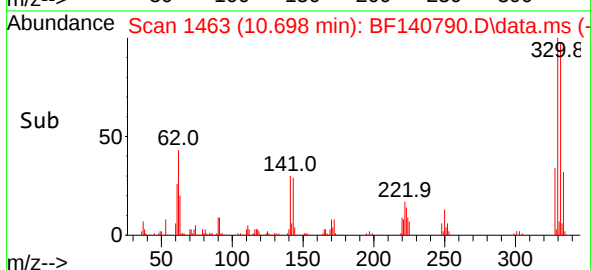
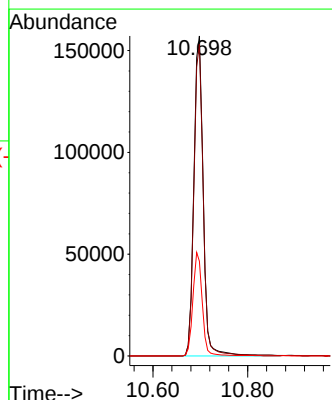
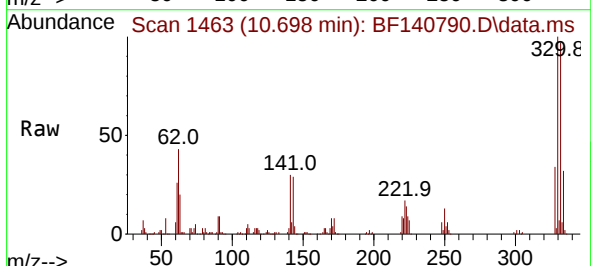
Tgt Ion:330 Resp: 215076

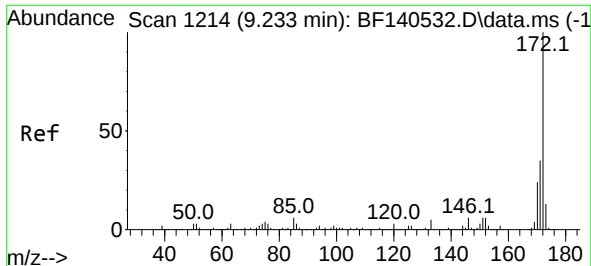
Ion Ratio Lower Upper

330 100

332 97.3 76.9 115.3

141 32.2 26.7 40.1

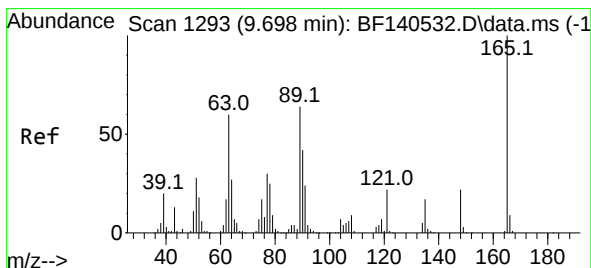
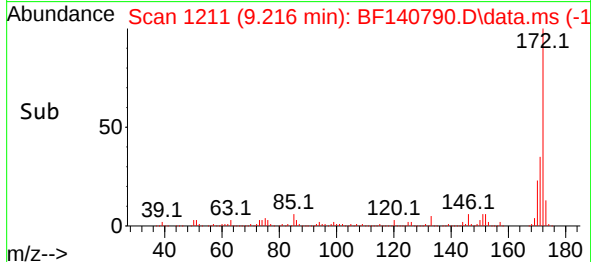
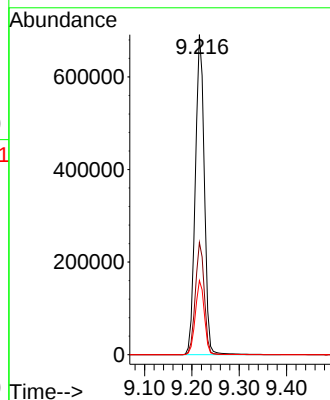
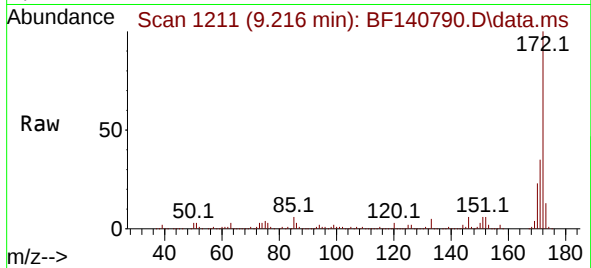




#45
2-Fluorobiphenyl
Concen: 93.859 ng
RT: 9.216 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF140790.D
Acq: 09 Dec 2024 15:29

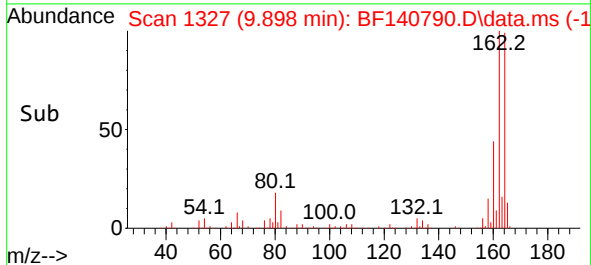
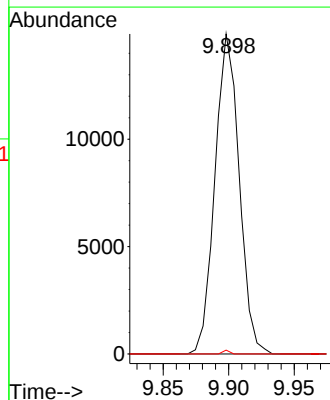
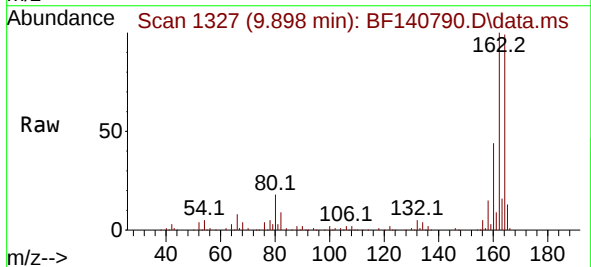
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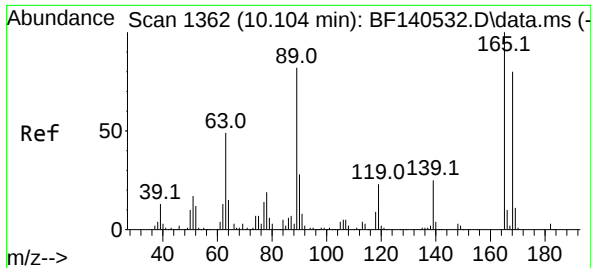
Tgt Ion:172 Resp: 917382
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 23.1 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 8.794 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.200 min
Lab File: BF140790.D
Acq: 09 Dec 2024 15:29

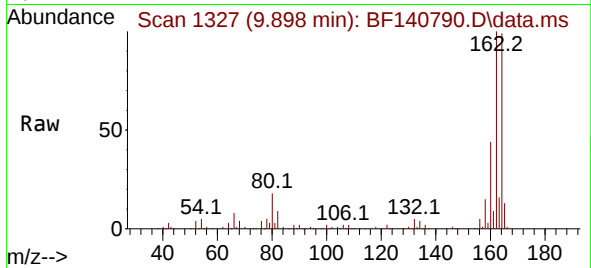
Tgt Ion:165 Resp: 19128
Ion Ratio Lower Upper
165 100
63 0.0 49.9 74.9#
89 1.2 50.9 76.3#



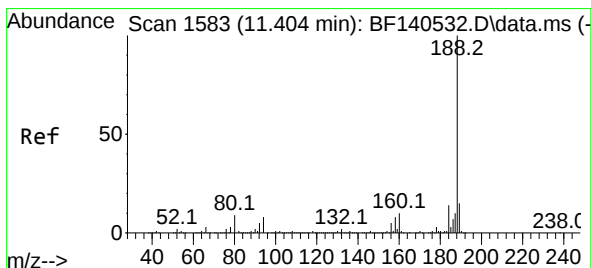
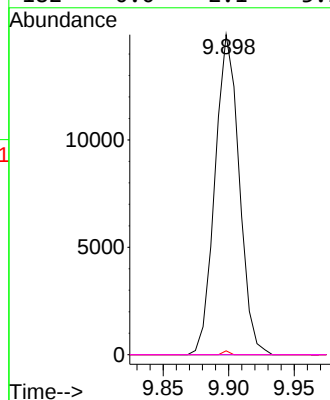
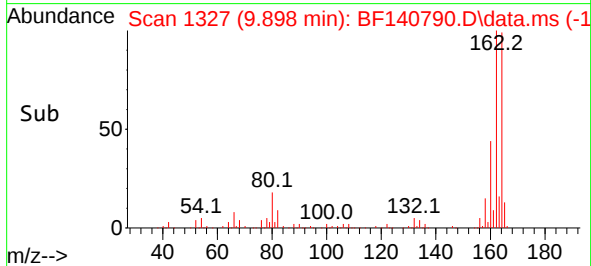


#57
2,4-Dinitrotoluene
Concen: 6.617 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF140790.D
Acq: 09 Dec 2024 15:29

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ClientSampleId :
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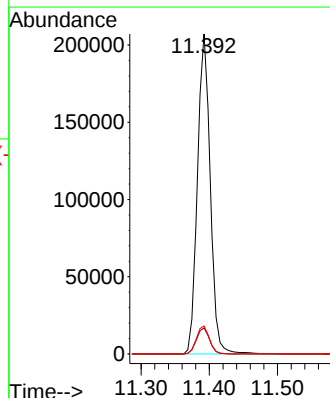
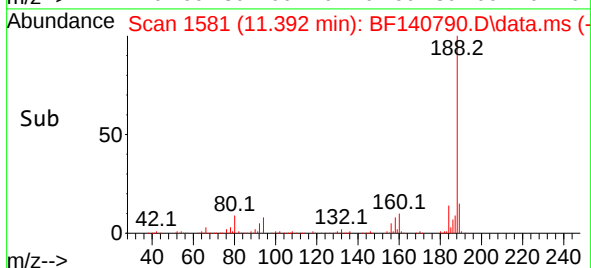
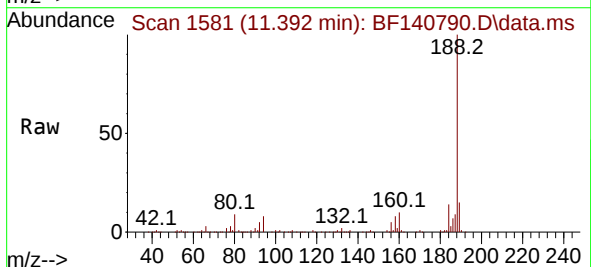


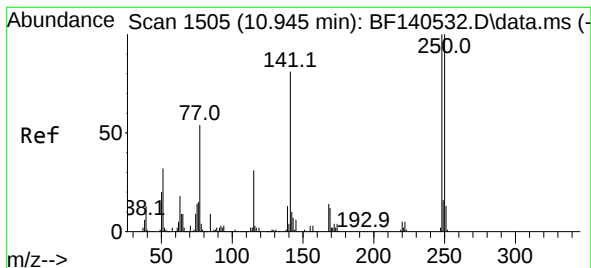
Tgt Ion:165 Resp: 19128
Ion Ratio Lower Upper
165 100
63 0.0 41.7 62.5#
89 1.2 65.8 98.8#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF140790.D
Acq: 09 Dec 2024 15:29

Tgt Ion:188 Resp: 269317
Ion Ratio Lower Upper
188 100
94 8.1 6.4 9.6
80 8.8 6.9 10.3

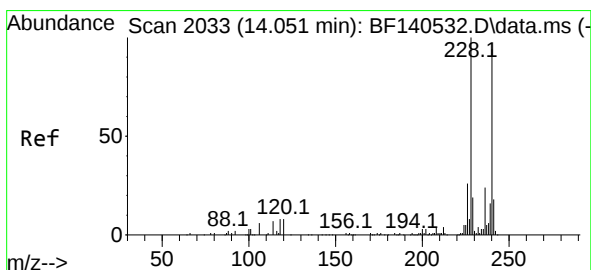
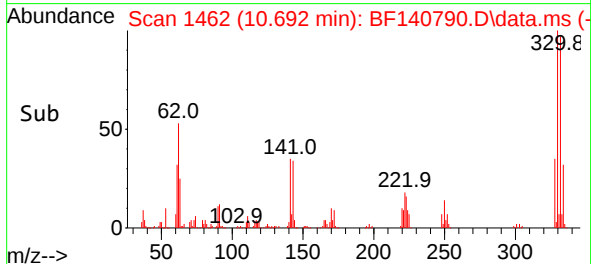
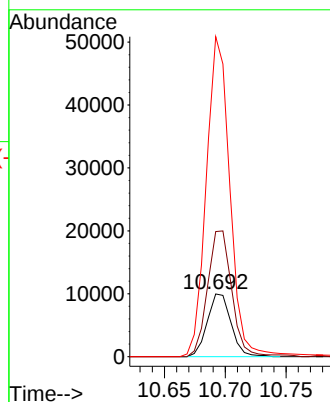
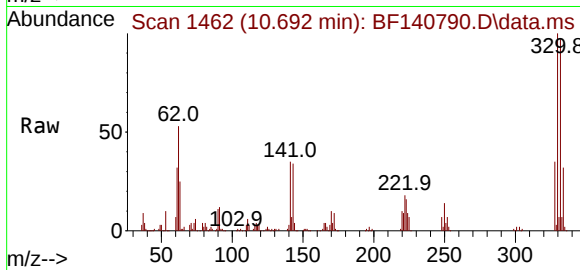




#67
4-Bromophenyl-phenylether
Concen: 4.876 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.253 min
Lab File: BF140790.D
Acq: 09 Dec 2024 15:29

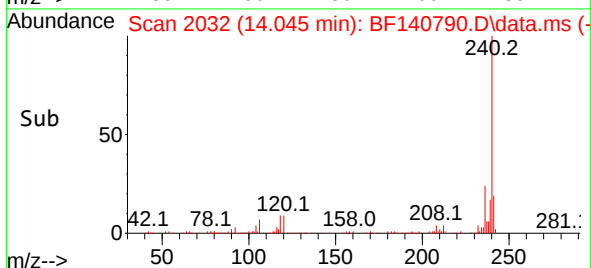
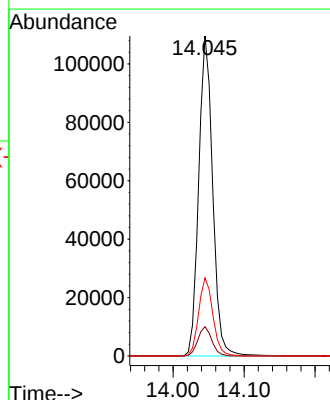
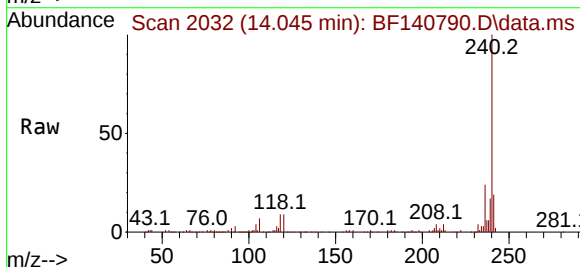
Instrument :
BNA_F
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2

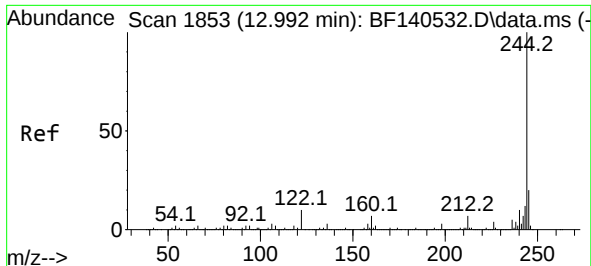
Tgt Ion:248 Resp: 13523
Ion Ratio Lower Upper
248 100
250 199.5 79.8 119.8#
141 509.9 64.7 97.1#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140790.D
Acq: 09 Dec 2024 15:29

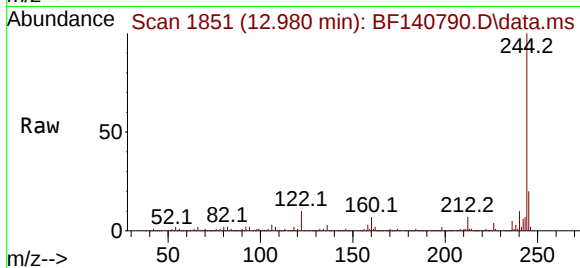
Tgt Ion:240 Resp: 149997
Ion Ratio Lower Upper
240 100
120 9.2 7.3 10.9
236 24.4 20.6 31.0



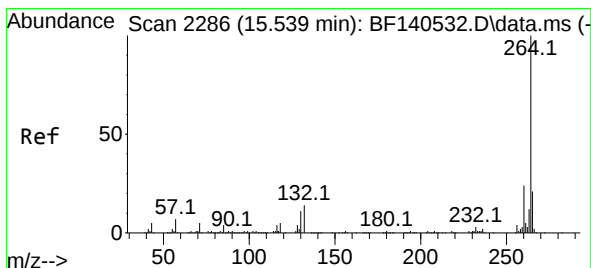
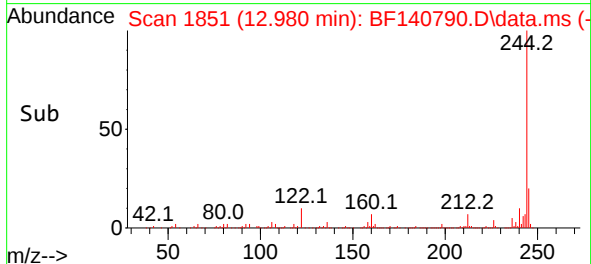
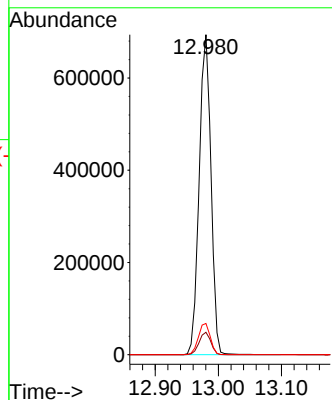


#79
Terphenyl-d14
Concen: 93.149 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.012 min
Lab File: BF140790.D
Acq: 09 Dec 2024 15:29

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



Tgt Ion:244 Resp: 897296
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.8
122 9.8 8.0 12.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2288
Delta R.T. 0.012 min
Lab File: BF140790.D
Acq: 09 Dec 2024 15:29

Tgt Ion:264 Resp: 152646
Ion Ratio Lower Upper
264 100
260 23.3 19.0 28.6
265 21.0 16.6 25.0

