

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120524\
 Data File : BF140755.D
 Acq On : 05 Dec 2024 18:11
 Operator : RC/JU
 Sample : P5100-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 324

Quant Time: Dec 06 00:06:48 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

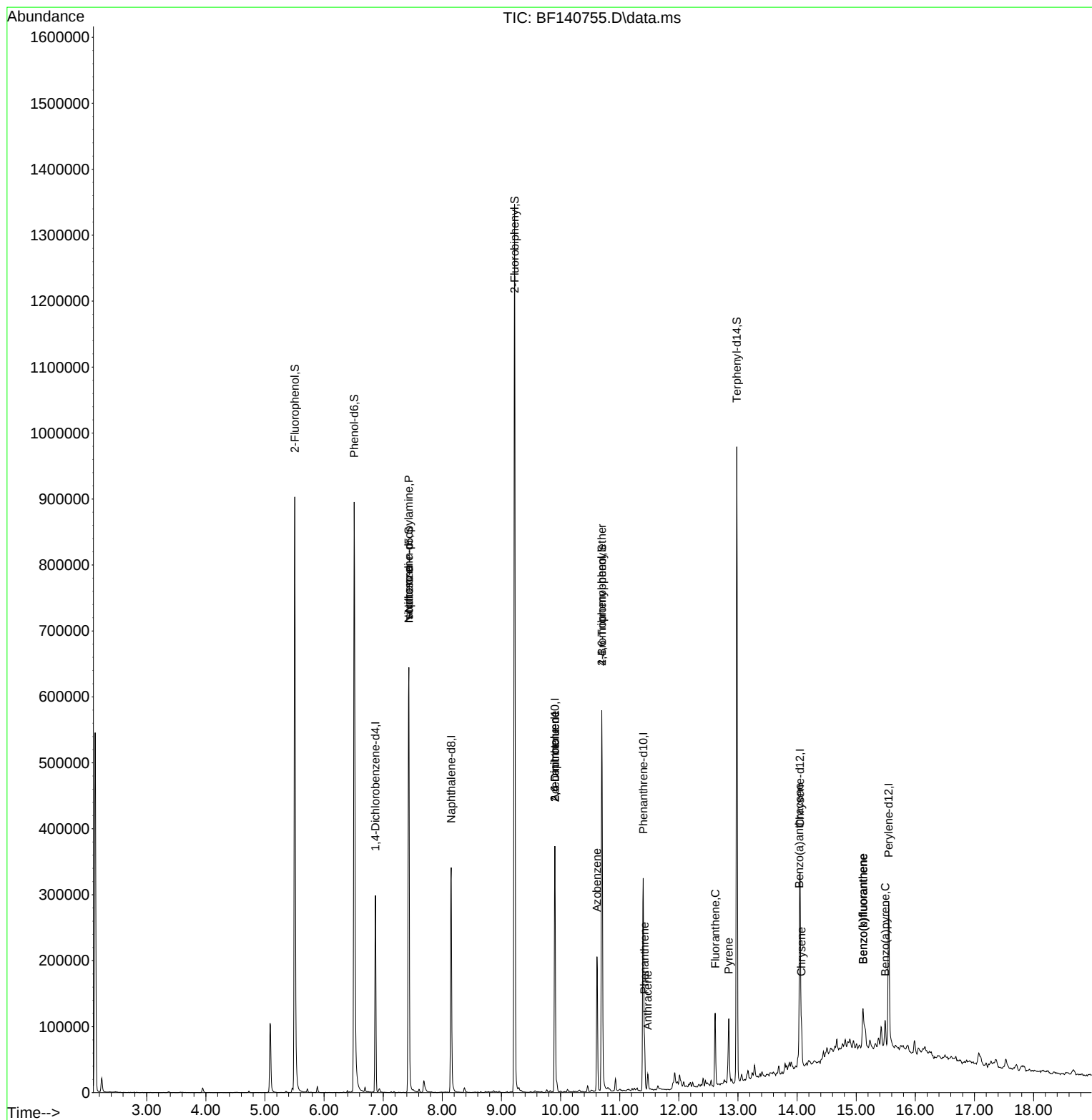
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	61579	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	231982	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	113647	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	177433	20.000	ng	0.00
76) Chrysene-d12	14.051	240	132691	20.000	ng	0.00
86) Perylene-d12	15.551	264	131241	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	364665	101.040	ng	0.00
7) Phenol-d6	6.510	99	469056	98.307	ng	0.00
23) Nitrobenzene-d5	7.434	82	306565	67.595	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	103498	85.151	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	596204	78.164	ng	-0.01
79) Terphenyl-d14	12.980	244	459623	53.937	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	39804	14.116	ng	# 76
25) Isophorone	7.434	82	302320	39.965	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	14547	8.570	ng	# 21
57) 2,4-Dinitrotoluene	9.904	165	14547	6.448	ng	# 19
63) Azobenzene	10.616	77	55083	7.649	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	6328	3.463	ng	# 1
71) Phenanthrene	11.422	178	37598	4.408	ng	98
72) Anthracene	11.474	178	16829	2.017	ng	96
75) Fluoranthene	12.616	202	64796	6.997	ng	99
78) Pyrene	12.845	202	56468	4.603	ng	98
81) Benzo(a)anthracene	14.039	228	34455	3.923	ng	96
83) Chrysene	14.074	228	32520	4.049	ng	97
88) Benzo(b)fluoranthene	15.115	252	51327	6.226	ng	# 95
89) Benzo(k)fluoranthene	15.115	252	51327	7.115	ng	# 95
90) Benzo(a)pyrene	15.492	252	23200	3.461	ng	# 93

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

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Quant Time: Dec 06 00:06:48 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

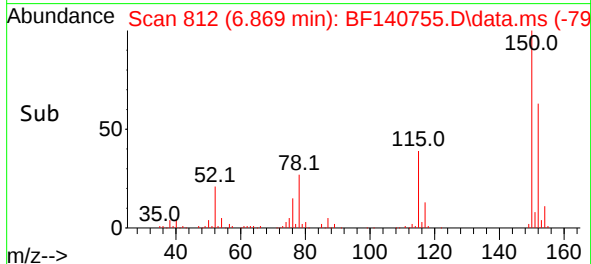
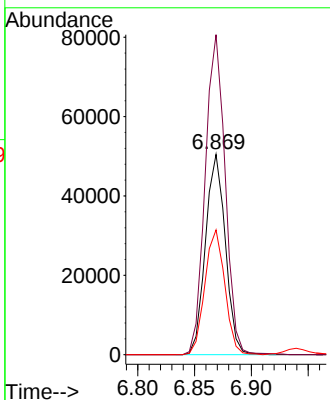
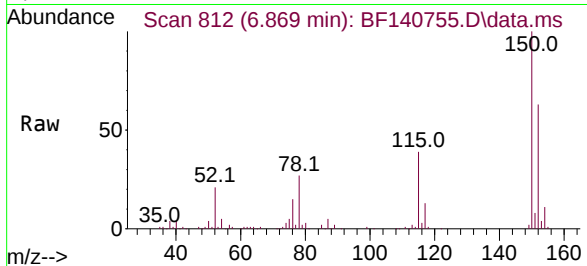




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140755.D
Acq: 05 Dec 2024 18:11

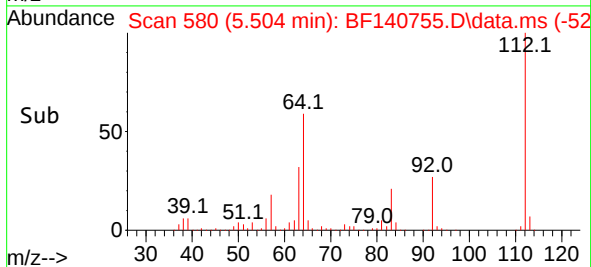
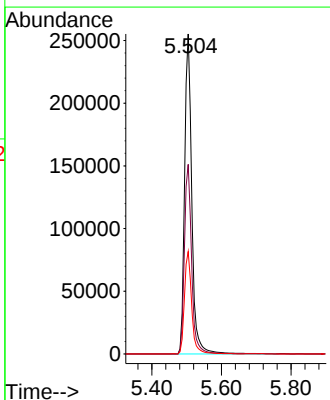
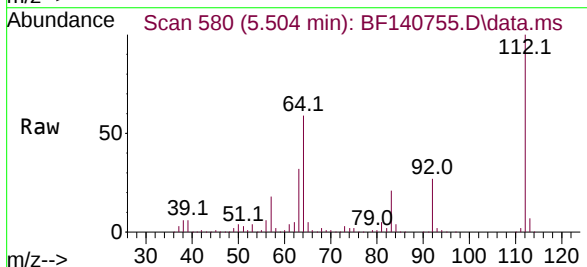
Instrument :
BNA_F
ClientSampleId :
324

Tgt Ion:152 Resp: 61579
Ion Ratio Lower Upper
152 100
150 159.7 128.5 192.7
115 62.3 50.2 75.4



#5
2-Fluorophenol
Concen: 101.040 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140755.D
Acq: 05 Dec 2024 18:11

Tgt Ion:112 Resp: 364665
Ion Ratio Lower Upper
112 100
64 59.3 49.2 73.8
63 32.0 27.0 40.4

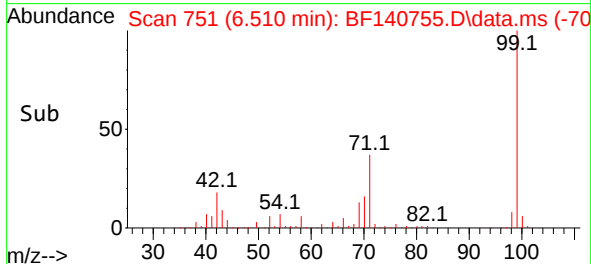
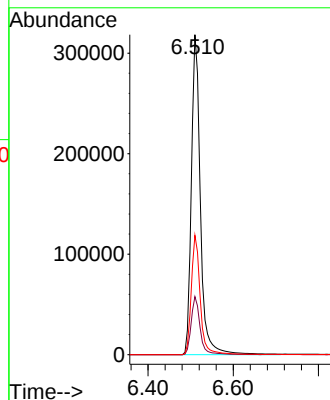
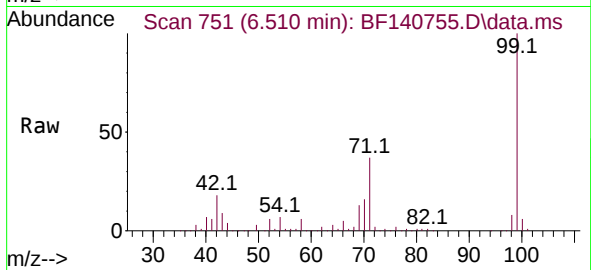




#7
Phenol-d6
Concen: 98.307 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140755.D
Acq: 05 Dec 2024 18:11

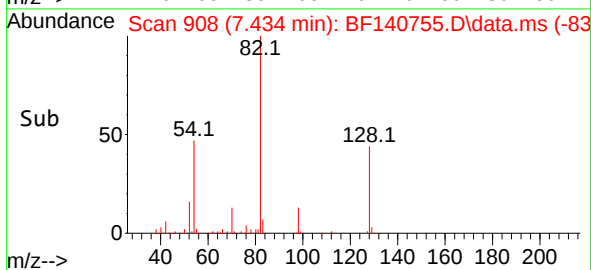
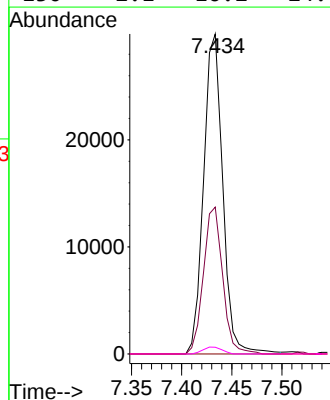
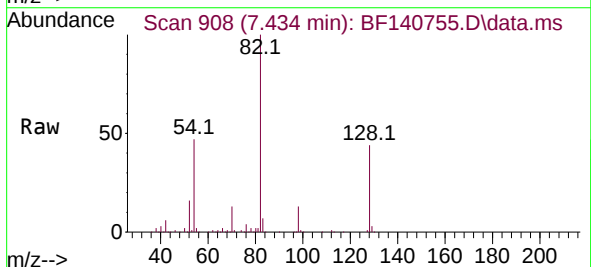
Instrument :
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ClientSampleId :
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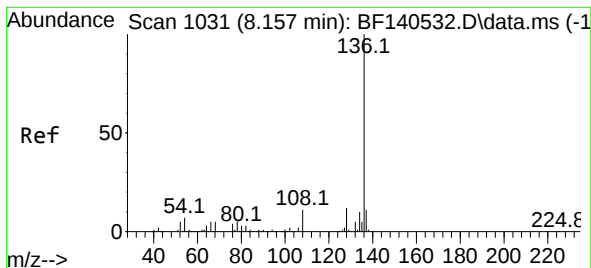
Tgt Ion: 99 Resp: 469056
Ion Ratio Lower Upper
99 100
42 18.2 15.4 23.0
71 37.3 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 14.116 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.147 min
Lab File: BF140755.D
Acq: 05 Dec 2024 18:11

Tgt Ion: 70 Resp: 39804
Ion Ratio Lower Upper
70 100
42 45.9 47.6 71.4#
101 0.0 7.6 11.4#
130 2.1 16.2 24.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1031

Delta R.T. -0.006 min

Lab File: BF140755.D

Acq: 05 Dec 2024 18:11

Instrument :

BNA_F

ClientSampleId :

324

Tgt Ion:136 Resp: 231982

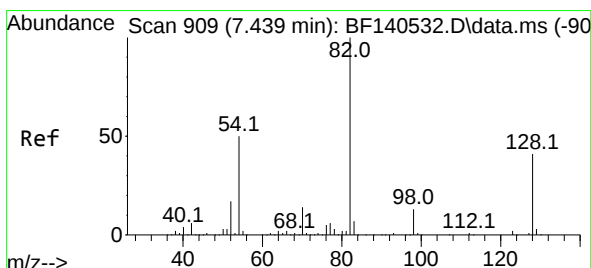
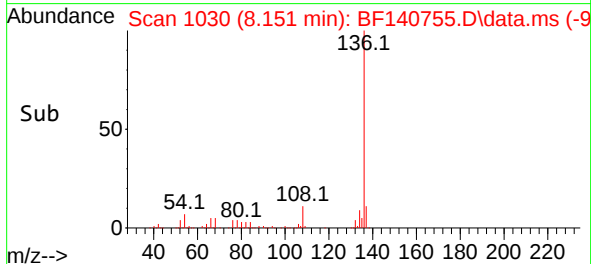
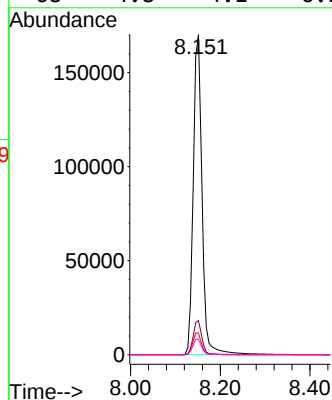
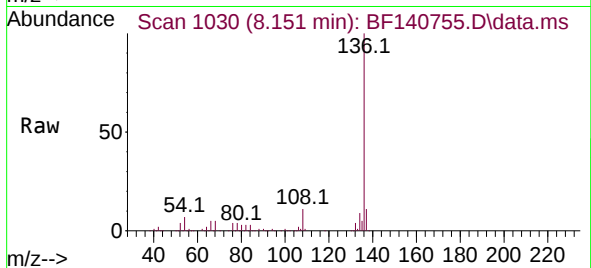
Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 6.7 5.8 8.8

68 4.8 4.1 6.1



#23

Nitrobenzene-d5

Concen: 67.595 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.006 min

Lab File: BF140755.D

Acq: 05 Dec 2024 18:11

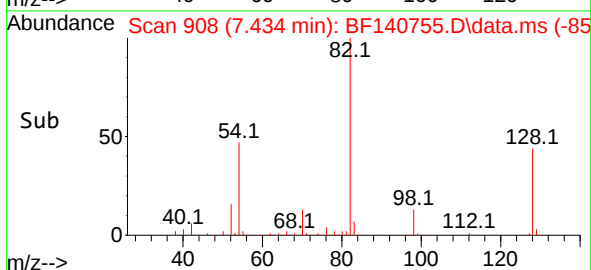
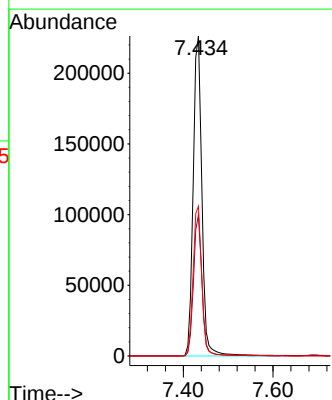
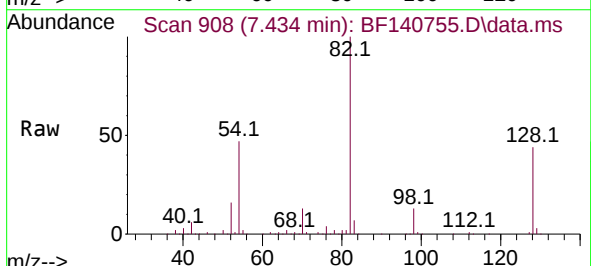
Tgt Ion: 82 Resp: 306565

Ion Ratio Lower Upper

82 100

128 44.0 33.0 49.4

54 46.8 39.5 59.3

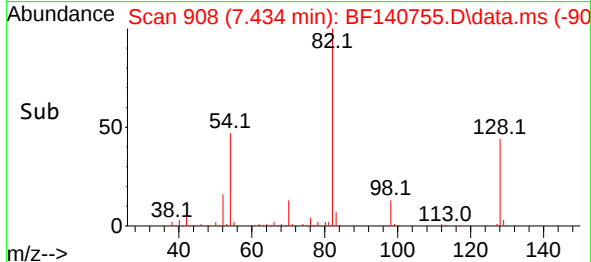
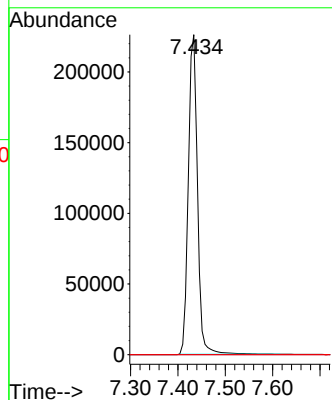
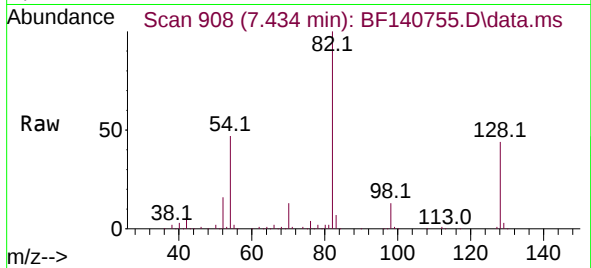




#25
Isophorone
Concen: 39.965 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140755.D
Acq: 05 Dec 2024 18:11

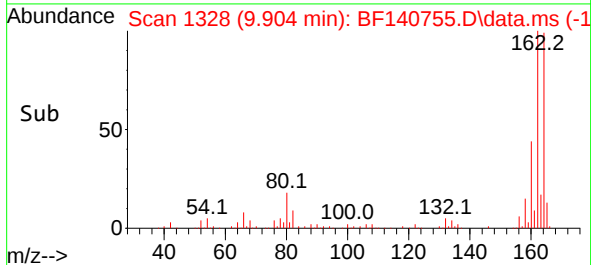
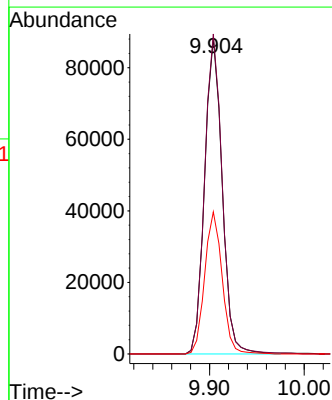
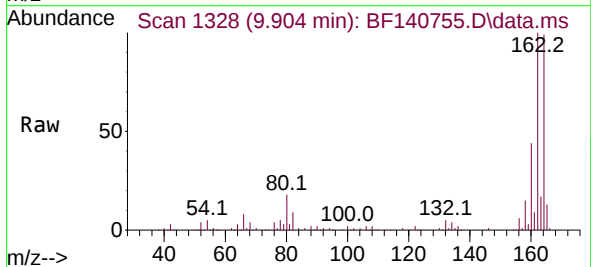
Instrument :
BNA_F
ClientSampleId :
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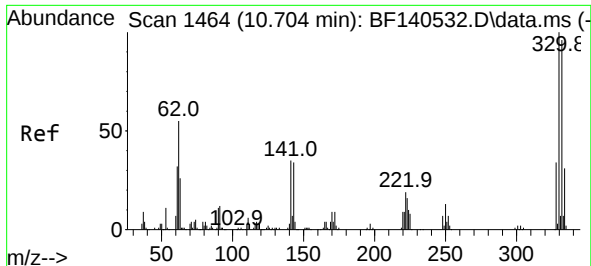
Tgt Ion: 82 Resp: 302320
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140755.D
Acq: 05 Dec 2024 18:11

Tgt Ion:164 Resp: 113647
Ion Ratio Lower Upper
164 100
162 101.3 80.6 120.8
160 45.0 36.2 54.4

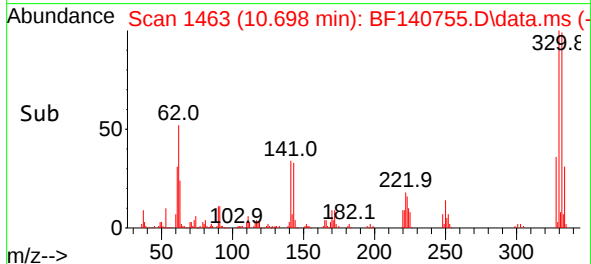
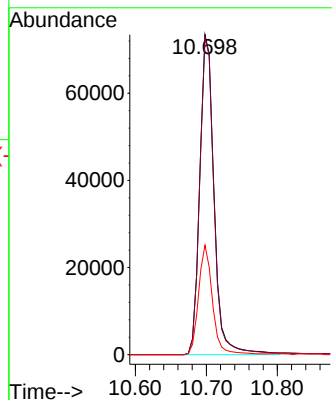
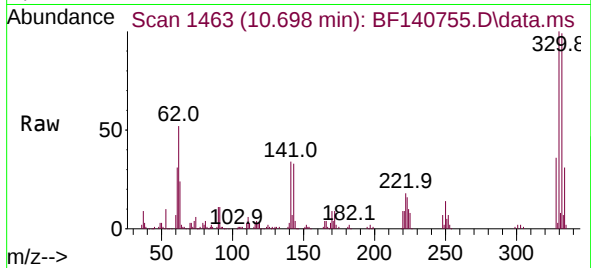




#42
2,4,6-Tribromophenol
Concen: 85.151 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140755.D
Acq: 05 Dec 2024 18:11

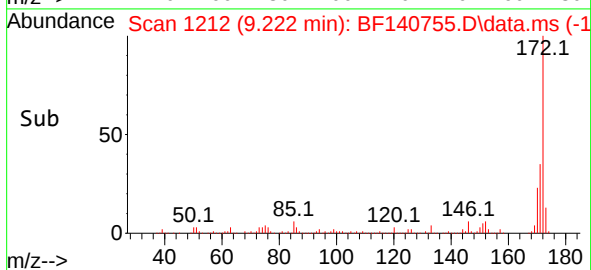
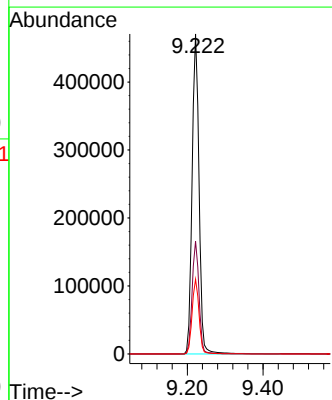
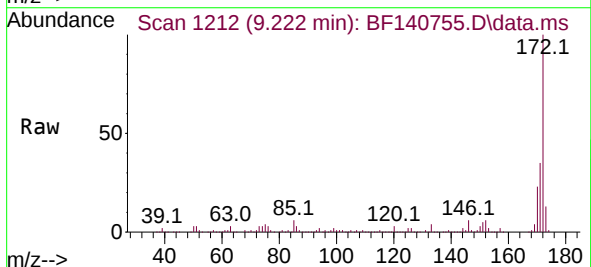
Instrument :
BNA_F
ClientSampleId :
324

Tgt Ion:330 Resp: 103498
Ion Ratio Lower Upper
330 100
332 99.4 76.9 115.3
141 33.3 26.7 40.1



#45
2-Fluorobiphenyl
Concen: 78.164 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140755.D
Acq: 05 Dec 2024 18:11

Tgt Ion:172 Resp: 596204
Ion Ratio Lower Upper
172 100
171 35.3 28.4 42.6
170 23.4 19.0 28.6

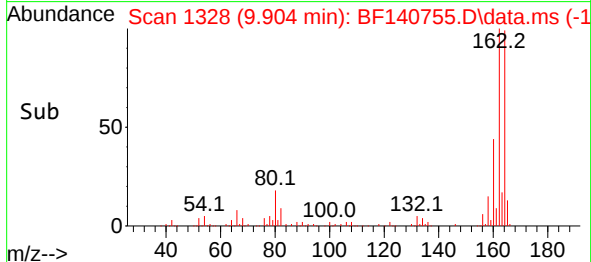
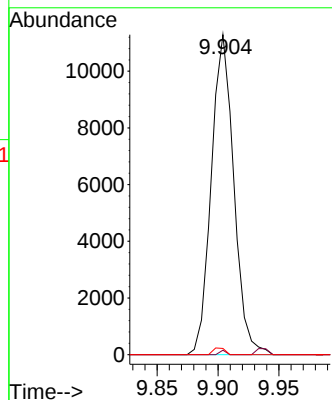
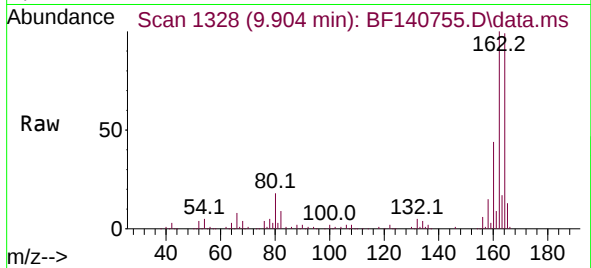




#51
2,6-Dinitrotoluene
Concen: 8.570 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF140755.D
Acq: 05 Dec 2024 18:11

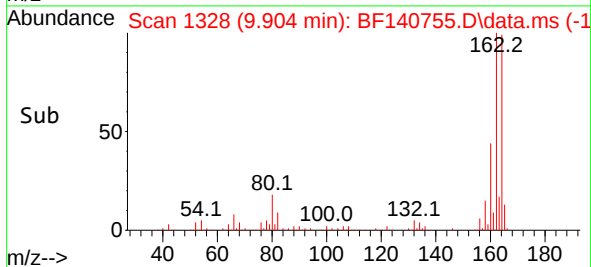
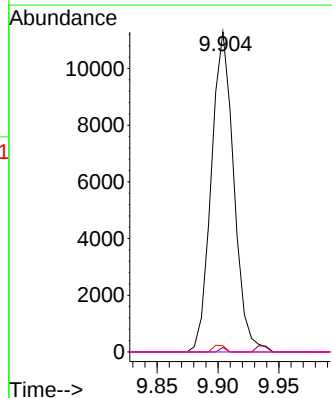
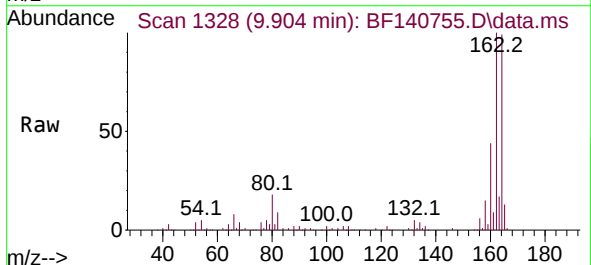
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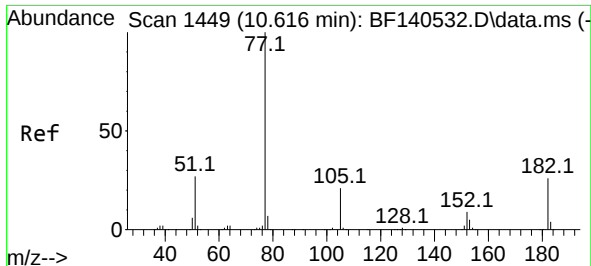
Tgt Ion:165 Resp: 14547
Ion Ratio Lower Upper
165 100
63 1.4 49.9 74.9#
89 2.0 50.9 76.3#



#57
2,4-Dinitrotoluene
Concen: 6.448 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF140755.D
Acq: 05 Dec 2024 18:11

Tgt Ion:165 Resp: 14547
Ion Ratio Lower Upper
165 100
63 1.4 41.7 62.5#
89 2.0 65.8 98.8#
182 0.0 2.1 3.1#

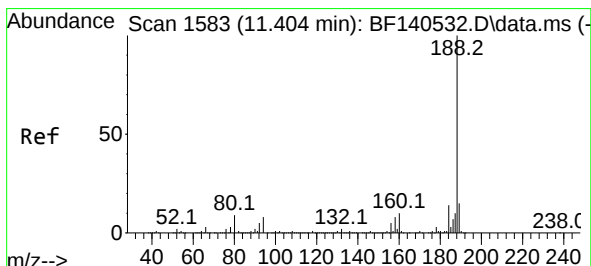
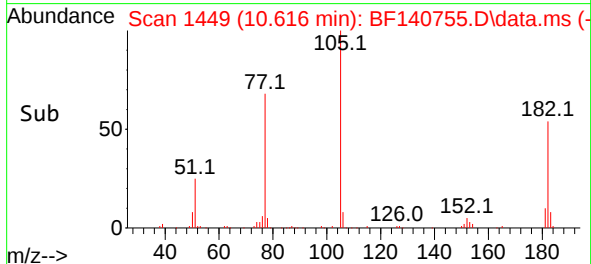
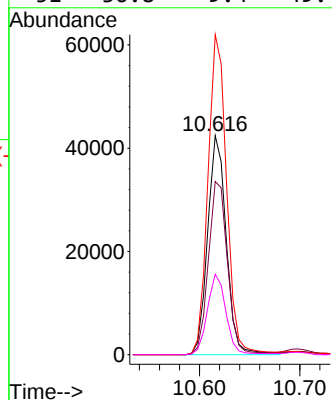
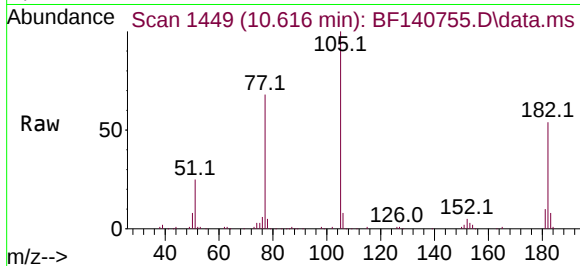




#63
Azobenzene
Concen: 7.649 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF140755.D
Acq: 05 Dec 2024 18:11

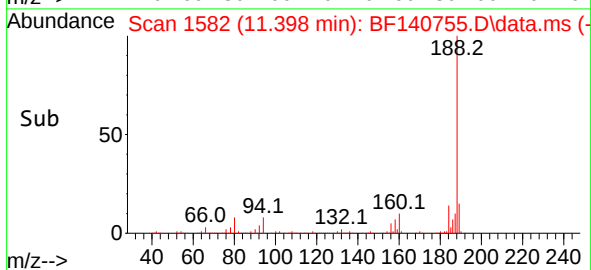
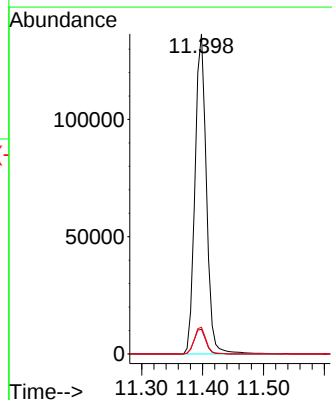
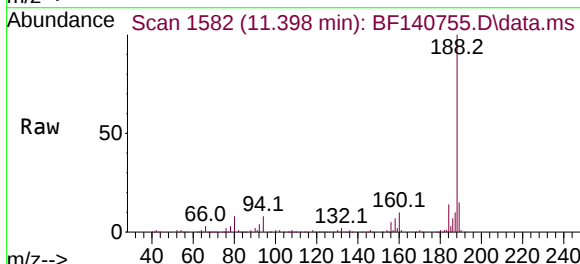
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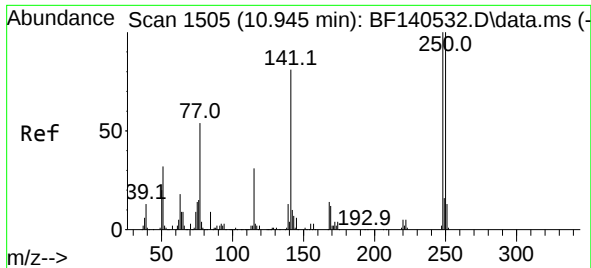
Tgt Ion: 77	Resp: 55083
Ion Ratio	Lower Upper
77 100	
182 79.1	5.3 45.3#
105 146.1	0.3 40.3#
51 36.8	9.4 49.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140755.D
Acq: 05 Dec 2024 18:11

Tgt Ion: 188	Resp: 177433
Ion Ratio	Lower Upper
188 100	
94 7.7	6.4 9.6
80 8.3	6.9 10.3

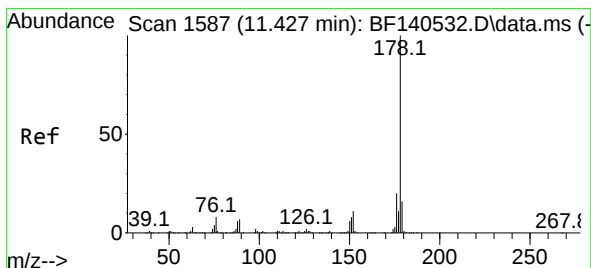
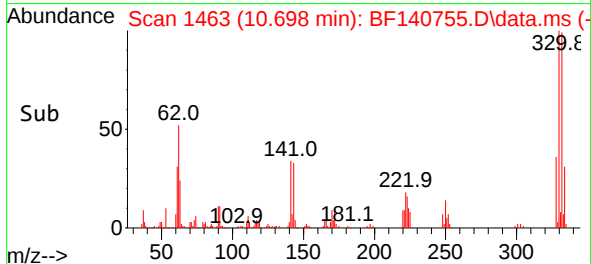
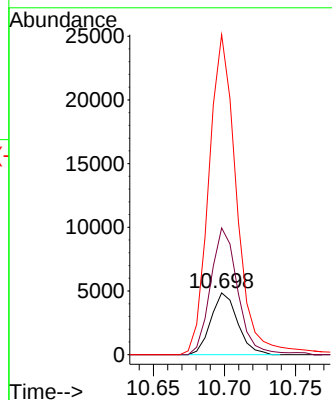
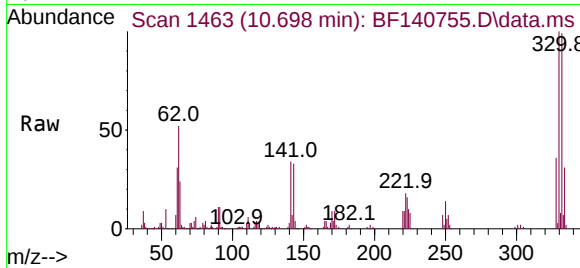




#67
4-Bromophenyl-phenylether
Concen: 3.463 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF140755.D
Acq: 05 Dec 2024 18:11

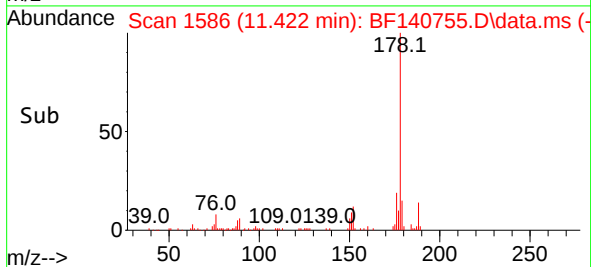
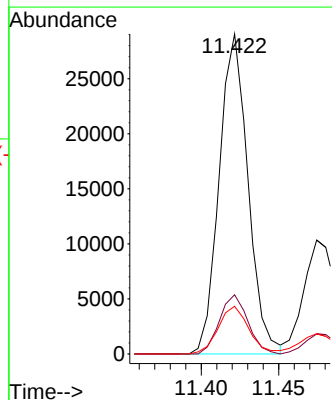
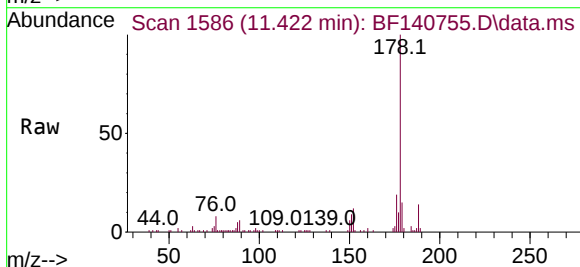
Instrument :
BNA_F
ClientSampleId :
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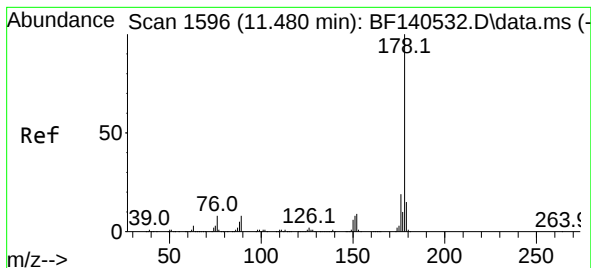
Tgt Ion:248 Resp: 6328
Ion Ratio Lower Upper
248 100
250 205.3 79.8 119.8#
141 518.5 64.7 97.1#



#71
Phenanthrene
Concen: 4.408 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140755.D
Acq: 05 Dec 2024 18:11

Tgt Ion:178 Resp: 37598
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.6
179 14.9 12.4 18.6





#72

Anthracene

Concen: 2.017 ng

RT: 11.474 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140755.D

Acq: 05 Dec 2024 18:11

Instrument :

BNA_F

ClientSampleId :

324

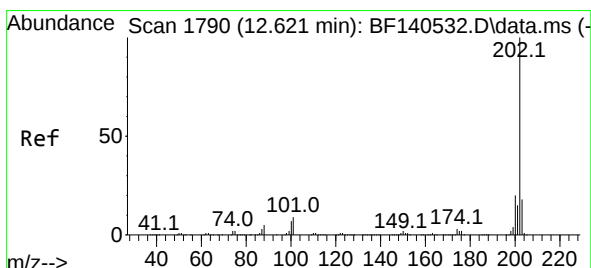
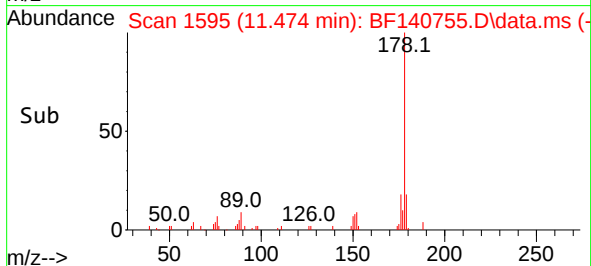
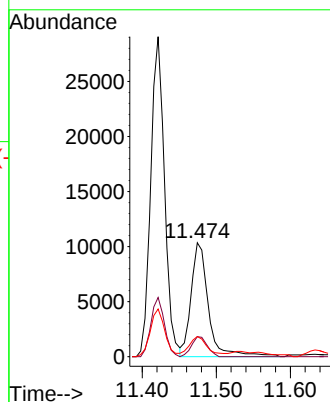
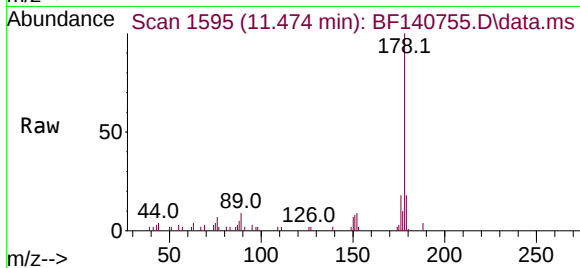
Tgt Ion:178 Resp: 16829

Ion Ratio Lower Upper

178 100

176 17.6 15.0 22.4

179 17.7 12.2 18.4



#75

Fluoranthene

Concen: 6.997 ng

RT: 12.616 min Scan# 1789

Delta R.T. -0.006 min

Lab File: BF140755.D

Acq: 05 Dec 2024 18:11

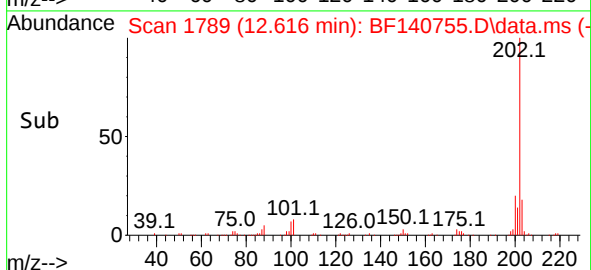
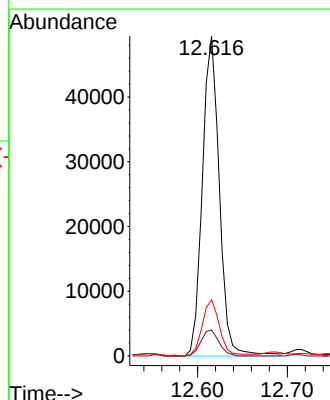
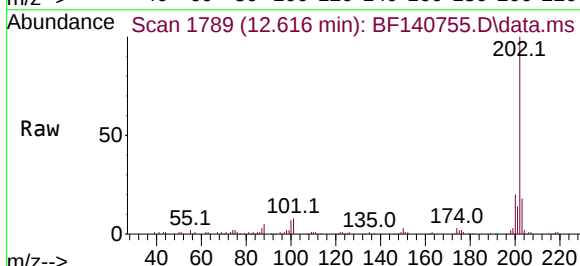
Tgt Ion:202 Resp: 64796

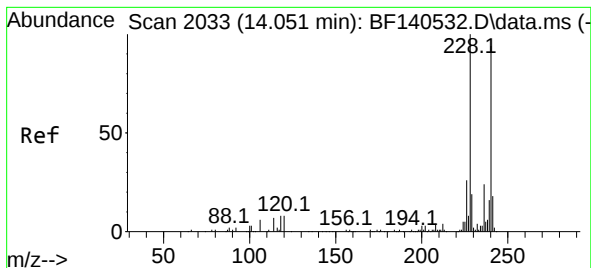
Ion Ratio Lower Upper

202 100

101 8.1 0.0 28.9

203 17.6 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. -0.000 min

Lab File: BF140755.D

Acq: 05 Dec 2024 18:11

Instrument :

BNA_F

ClientSampleId :

324

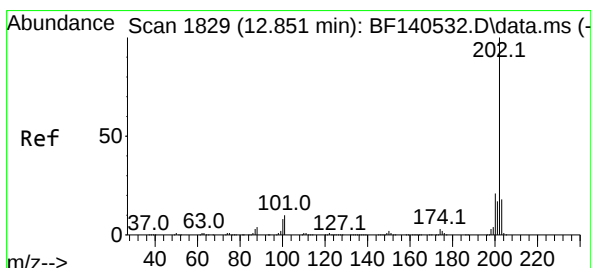
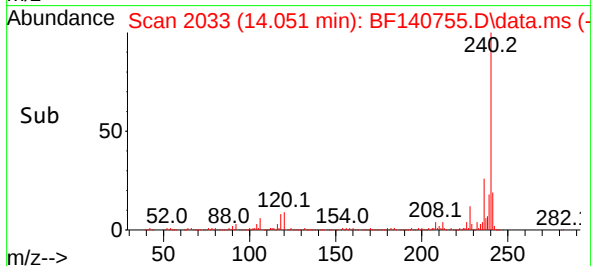
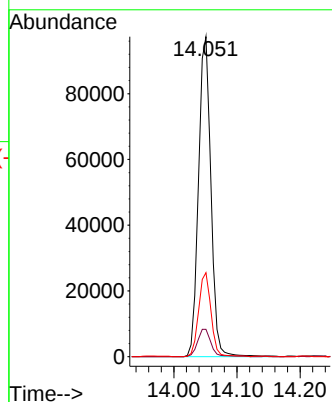
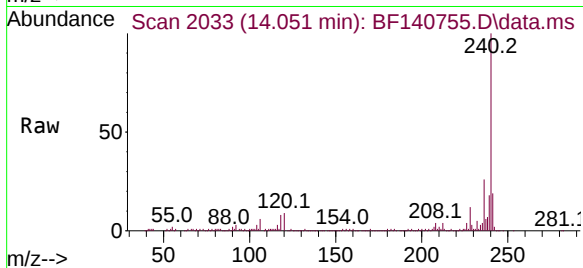
Tgt Ion:240 Resp: 132691

Ion Ratio Lower Upper

240 100

120 8.5 7.3 10.9

236 26.2 20.6 31.0



#78

Pyrene

Concen: 4.603 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF140755.D

Acq: 05 Dec 2024 18:11

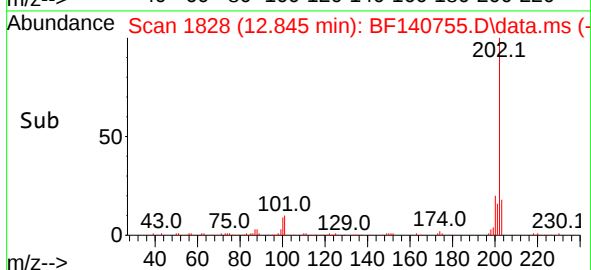
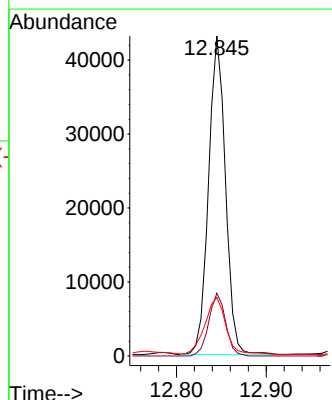
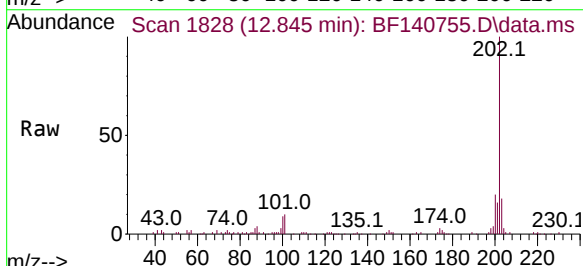
Tgt Ion:202 Resp: 56468

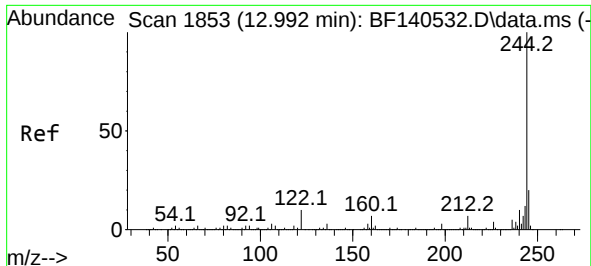
Ion Ratio Lower Upper

202 100

200 19.6 16.5 24.7

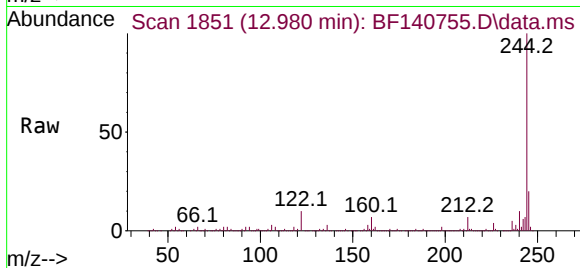
203 18.3 14.2 21.4



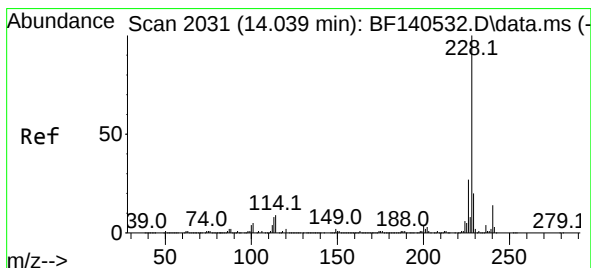
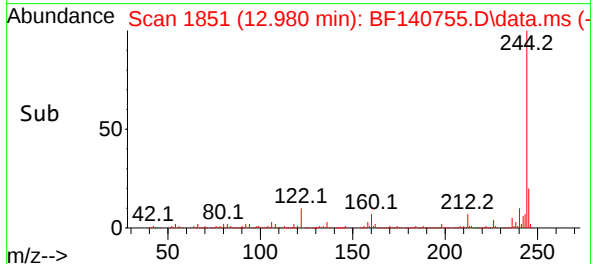
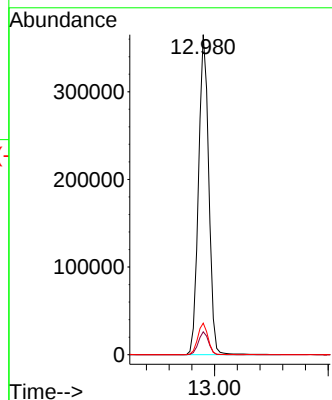


#79
Terphenyl-d14
Concen: 53.937 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.012 min
Lab File: BF140755.D
Acq: 05 Dec 2024 18:11

Instrument :
BNA_F
ClientSampleId :
324

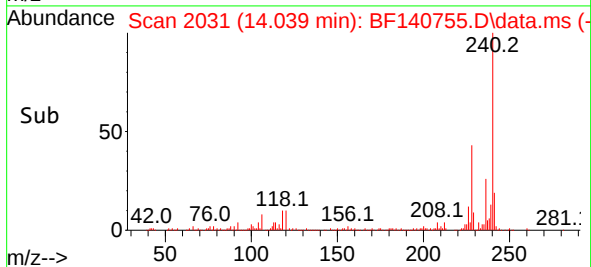
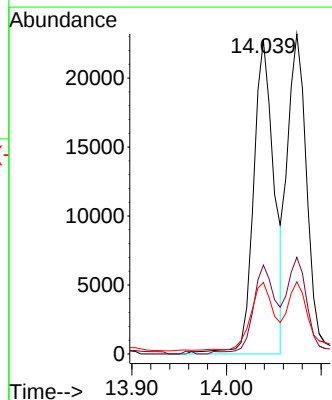
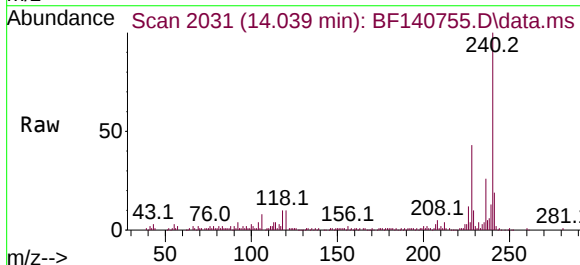


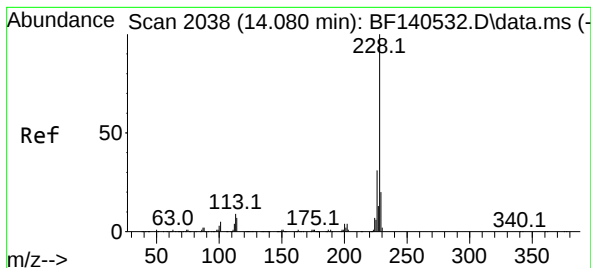
Tgt Ion:244 Resp: 459623
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.8
122 9.9 8.0 12.0



#81
Benzo(a)anthracene
Concen: 3.923 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF140755.D
Acq: 05 Dec 2024 18:11

Tgt Ion:228 Resp: 34455
Ion Ratio Lower Upper
228 100
226 28.4 21.8 32.8
229 22.8 15.8 23.6





#83

Chrysene

Concen: 4.049 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF140755.D

Acq: 05 Dec 2024 18:11

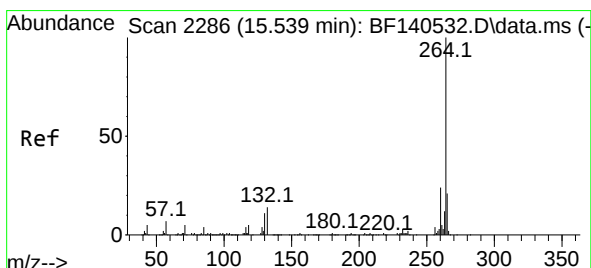
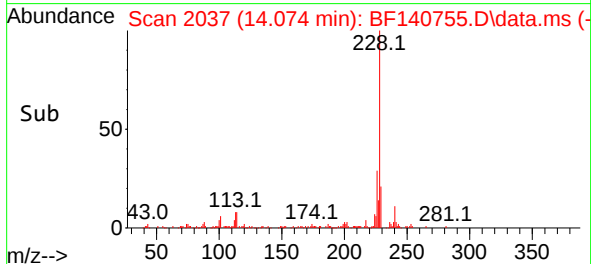
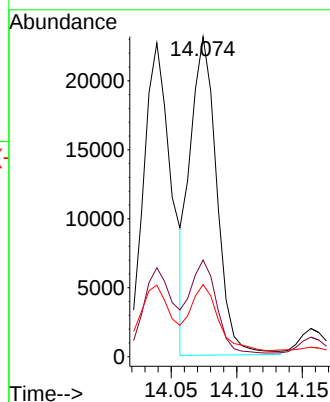
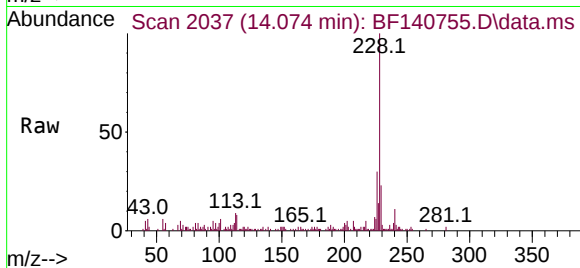
Instrument :

BNA_F

ClientSampleId :

324

Tgt Ion:228	Resp:	32520
Ion Ratio	Lower	Upper
228	100	
226	30.2	24.4 36.6
229	22.5	15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

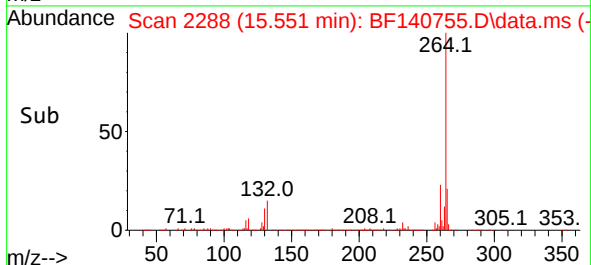
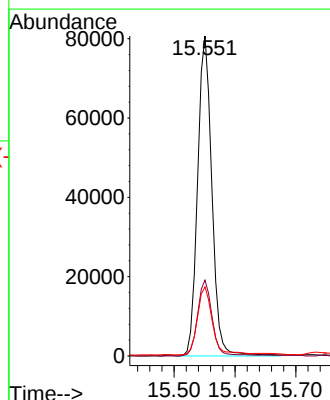
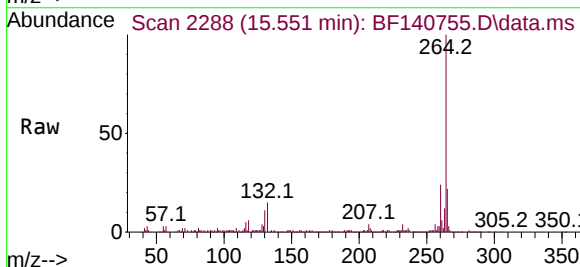
RT: 15.551 min Scan# 2288

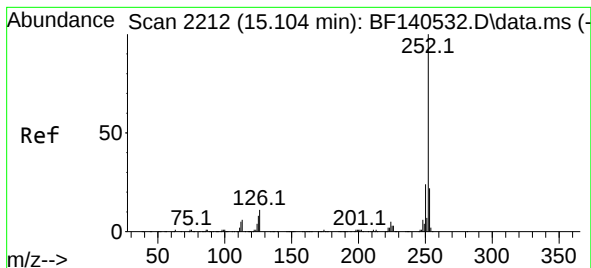
Delta R.T. 0.012 min

Lab File: BF140755.D

Acq: 05 Dec 2024 18:11

Tgt Ion:264	Resp:	131241
Ion Ratio	Lower	Upper
264	100	
260	23.7	19.0 28.6
265	21.6	16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 6.226 ng

RT: 15.115 min Scan# 2214

Delta R.T. 0.012 min

Lab File: BF140755.D

Acq: 05 Dec 2024 18:11

Instrument :

BNA_F

ClientSampleId :

324

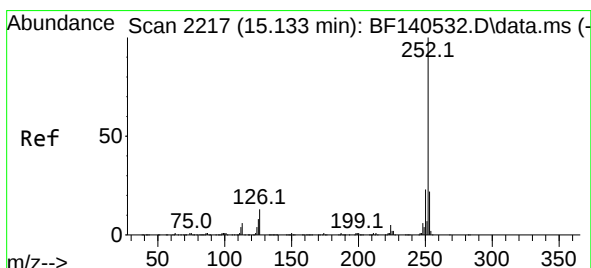
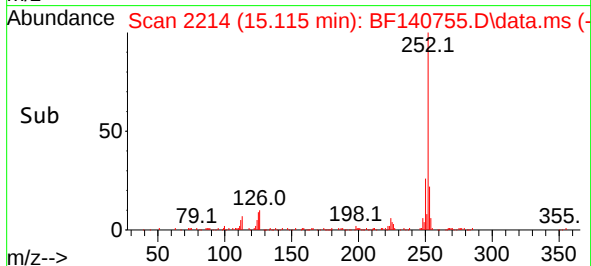
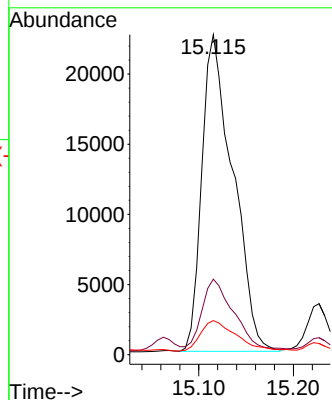
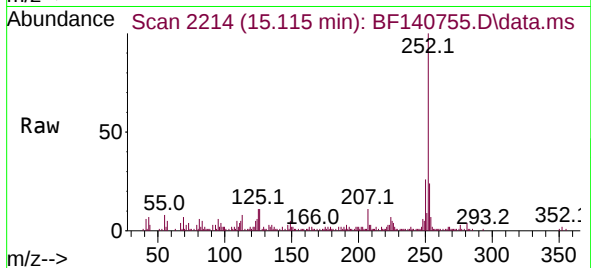
Tgt Ion:252 Resp: 51327

Ion Ratio Lower Upper

252 100

253 23.6 17.2 25.8

125 10.7 6.7 10.1#



#89

Benzo(k)fluoranthene

Concen: 7.115 ng

RT: 15.115 min Scan# 2214

Delta R.T. -0.018 min

Lab File: BF140755.D

Acq: 05 Dec 2024 18:11

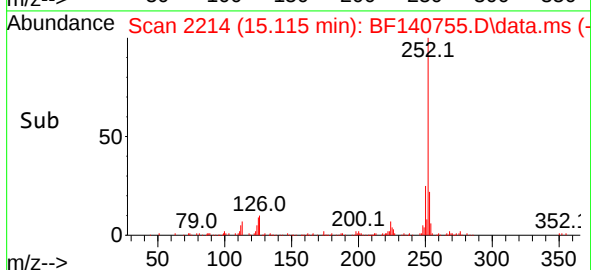
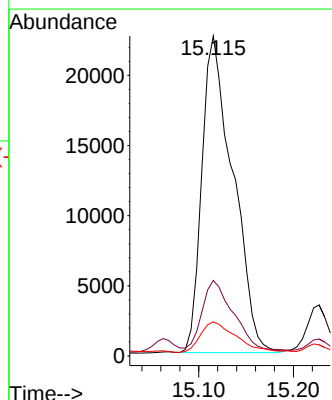
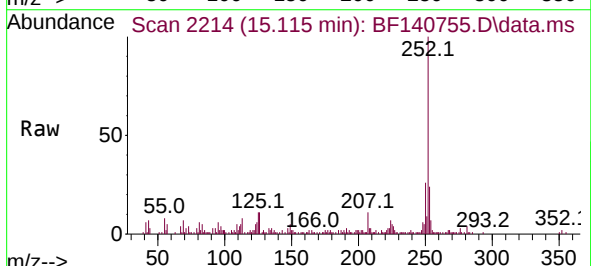
Tgt Ion:252 Resp: 51327

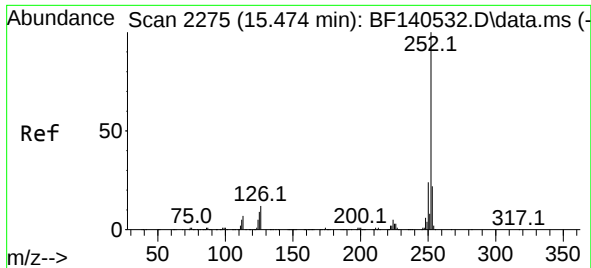
Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

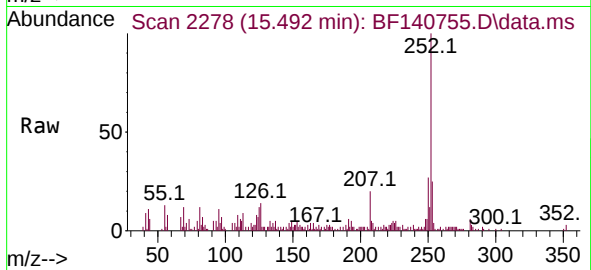
125 10.7 6.5 9.7#





#90
 Benzo(a)pyrene
 Concen: 3.461 ng
 RT: 15.492 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: BF140755.D
 Acq: 05 Dec 2024 18:11

Instrument :
 BNA_F
 ClientSampleId :
 324



Tgt Ion:252 Resp: 23200
 Ion Ratio Lower Upper
 252 100
 253 24.6 17.3 25.9
 125 11.8 7.0 10.6#

