

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121324\
 Data File : BF140851.D
 Acq On : 13 Dec 2024 18:20
 Operator : RC/JU
 Sample : P5245-01RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-12016RE

Quant Time: Dec 13 21:42:14 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)

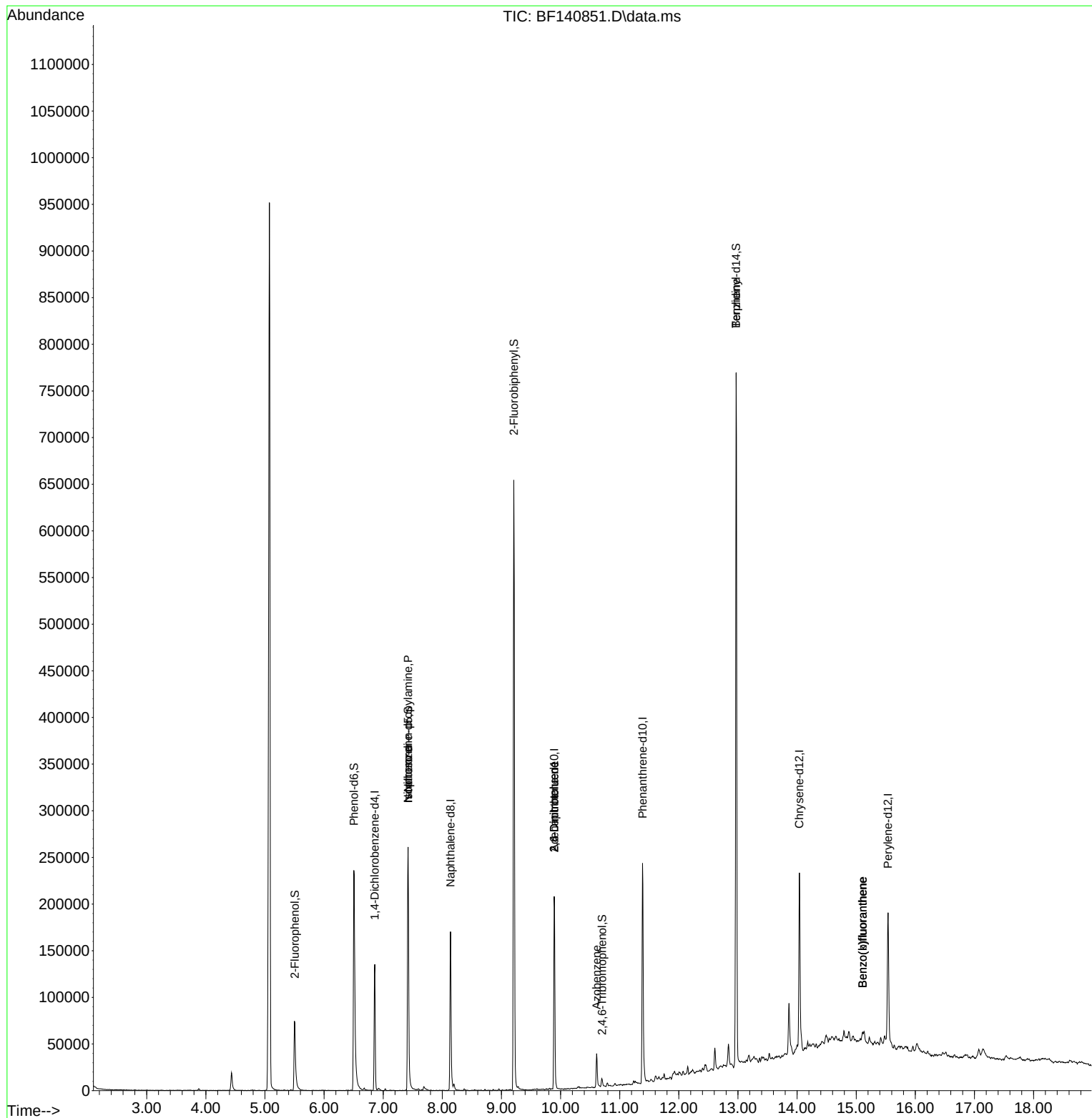
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	30119	20.000	ng	-0.02
21) Naphthalene-d8	8.139	136	118469	20.000	ng	-0.02
39) Acenaphthene-d10	9.892	164	66269	20.000	ng	-0.02
64) Phenanthrene-d10	11.386	188	135073	20.000	ng	-0.02
76) Chrysene-d12	14.039	240	89628	20.000	ng	-0.01
86) Perylene-d12	15.539	264	85635	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	40820	23.124	ng	0.00
7) Phenol-d6	6.504	99	152268	65.247	ng	-0.01
23) Nitrobenzene-d5	7.422	82	129475	55.902	ng	-0.02
42) 2,4,6-Tribromophenol	10.704	330	2139	3.018	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	296452	66.652	ng	-0.02
79) Terphenyl-d14	12.968	244	368719	64.059	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	17242	12.501	ng	# 77
25) Isophorone	7.422	82	129473	33.516	ng	# 66
51) 2,6-Dinitrotoluene	9.892	165	8669	8.758	ng	# 19
57) 2,4-Dinitrotoluene	9.892	165	8669	6.590	ng	# 17
63) Azobenzene	10.610	77	11540	2.748	ng	# 1
77) Benzidine	12.968	184	5416	2.078	ng	# 98
88) Benzo(b)fluoranthene	15.110	252	11338	2.108	ng	# 84
89) Benzo(k)fluoranthene	15.110	252	11338	2.409	ng	# 84

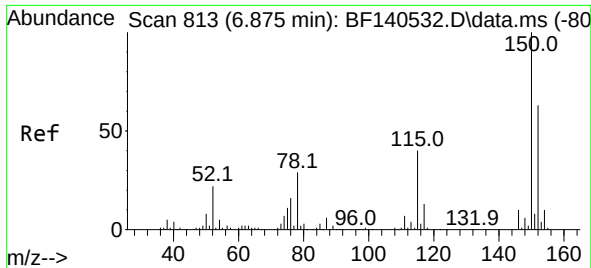
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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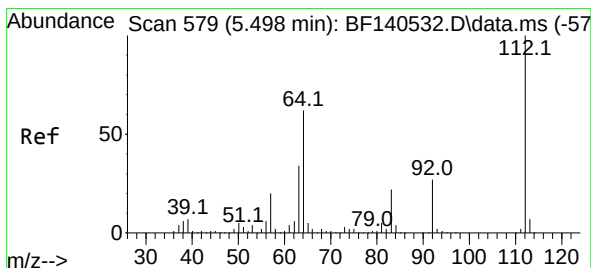
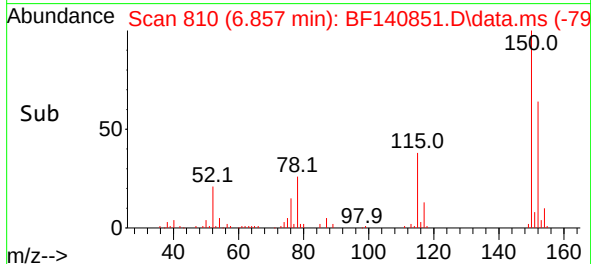
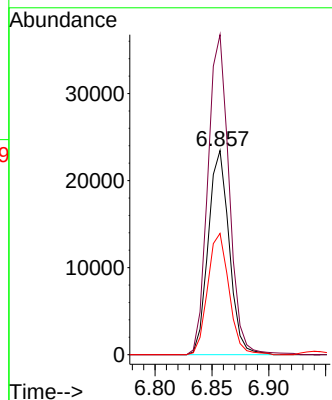
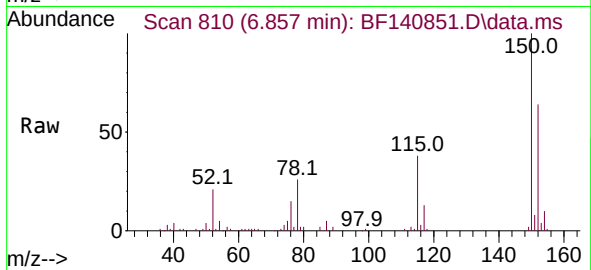




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF140851.D
Acq: 13 Dec 2024 18:20

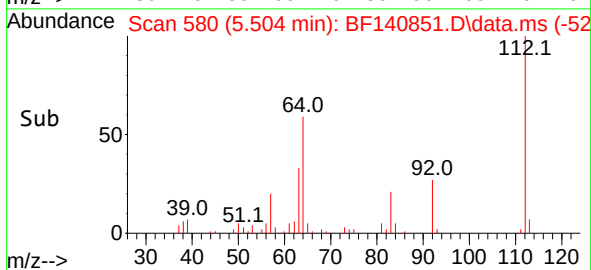
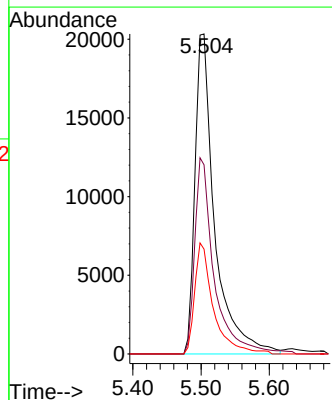
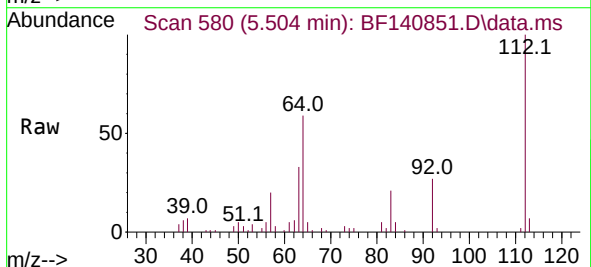
Instrument :
BNA_F
ClientSampleId :
72-12016RE

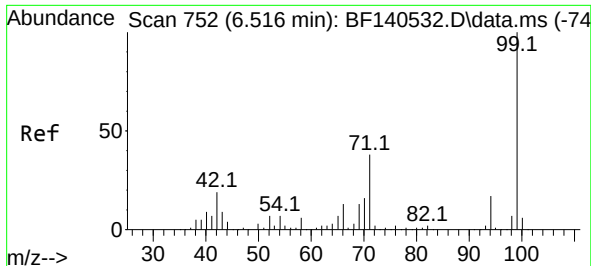
Tgt Ion:152 Resp: 30119
Ion Ratio Lower Upper
152 100
150 156.8 128.5 192.7
115 59.4 50.2 75.4



#5
2-Fluorophenol
Concen: 23.124 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140851.D
Acq: 13 Dec 2024 18:20

Tgt Ion:112 Resp: 40820
Ion Ratio Lower Upper
112 100
64 59.1 49.2 73.8
63 32.7 27.0 40.4

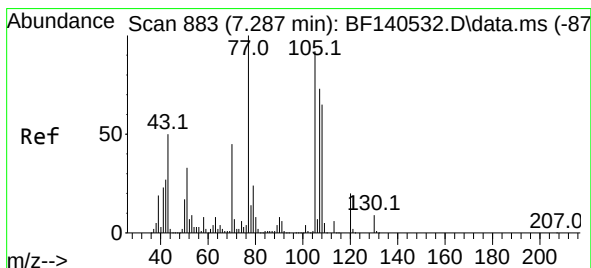
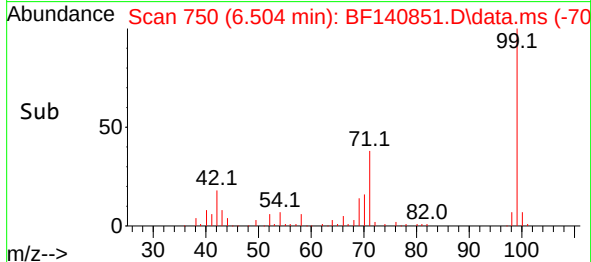
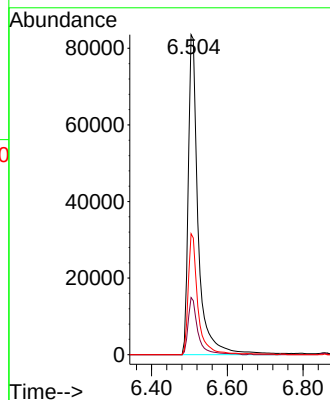
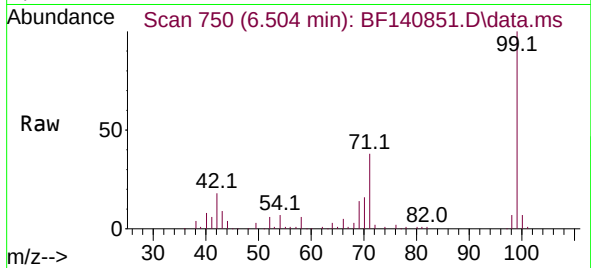




#7
Phenol-d6
Concen: 65.247 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF140851.D
Acq: 13 Dec 2024 18:20

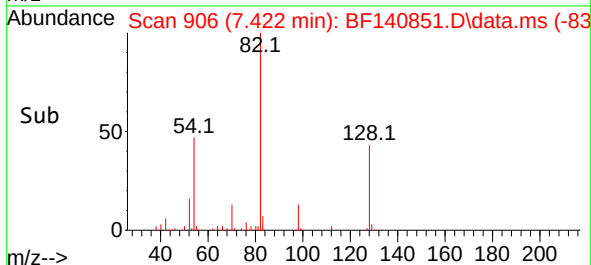
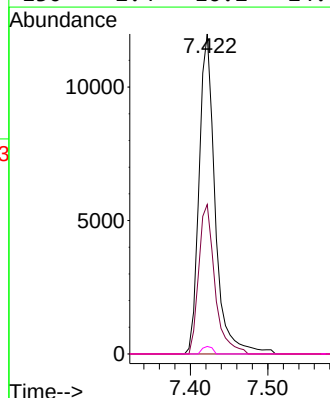
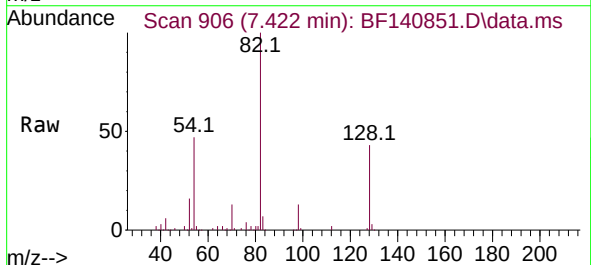
Instrument :
BNA_F
ClientSampleId :
72-12016RE

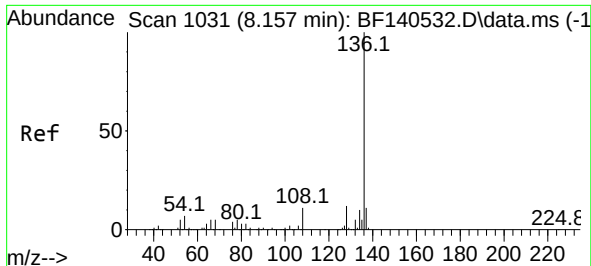
Tgt Ion: 99 Resp: 152268
Ion Ratio Lower Upper
99 100
42 17.9 15.4 23.0
71 37.8 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 12.501 ng
RT: 7.422 min Scan# 906
Delta R.T. 0.135 min
Lab File: BF140851.D
Acq: 13 Dec 2024 18:20

Tgt Ion: 70 Resp: 17242
Ion Ratio Lower Upper
70 100
42 46.7 47.6 71.4#
101 0.0 7.6 11.4#
130 2.4 16.2 24.4#

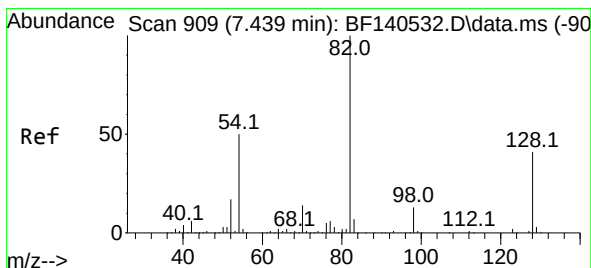
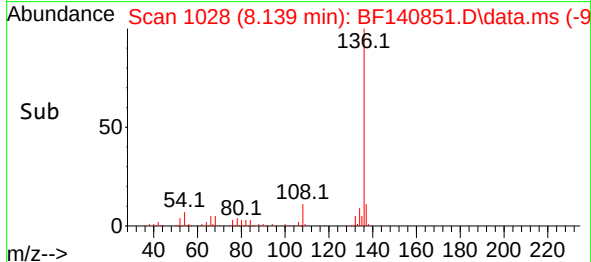
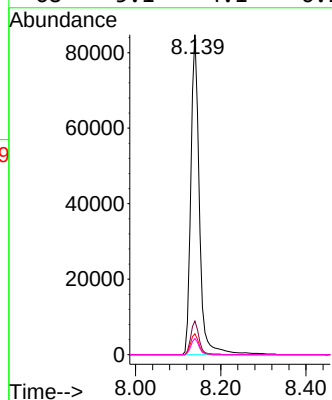
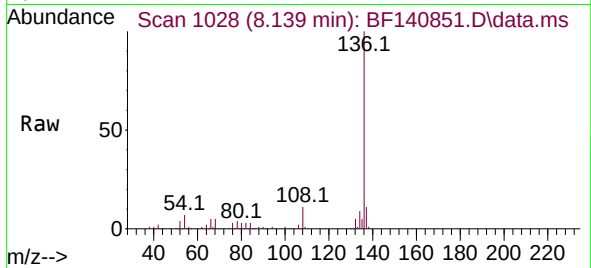




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1031
Delta R.T. -0.018 min
Lab File: BF140851.D
Acq: 13 Dec 2024 18:20

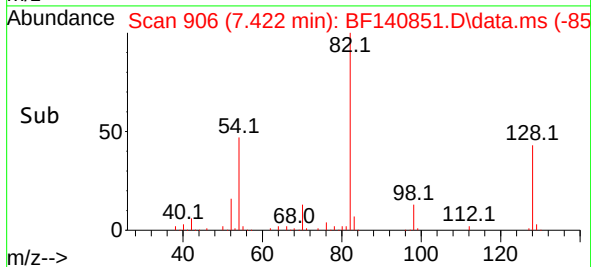
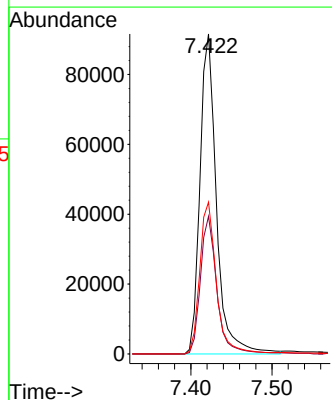
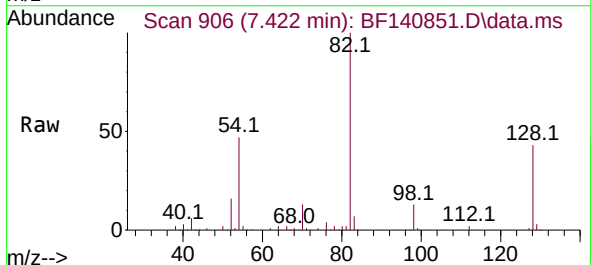
Instrument :
BNA_F
ClientSampleId :
72-12016RE

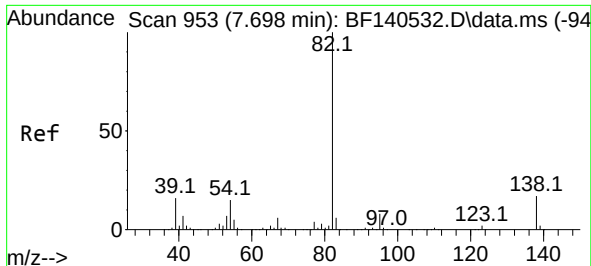
Tgt Ion:136	Resp: 118469
Ion Ratio	Lower Upper
136	100
137	10.5 8.6 13.0
54	6.6 5.8 8.8
68	5.1 4.1 6.1



#23
Nitrobenzene-d5
Concen: 55.902 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.018 min
Lab File: BF140851.D
Acq: 13 Dec 2024 18:20

Tgt Ion: 82	Resp: 129475
Ion Ratio	Lower Upper
82	100
128	43.0 33.0 49.4
54	47.4 39.5 59.3

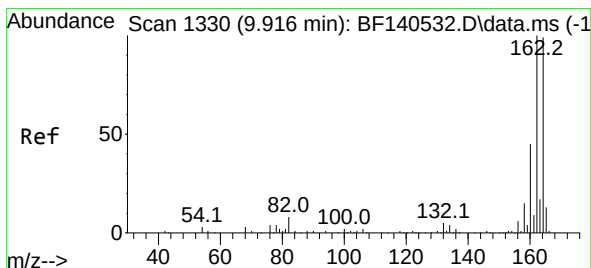
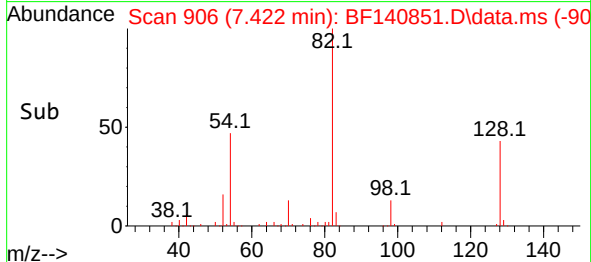
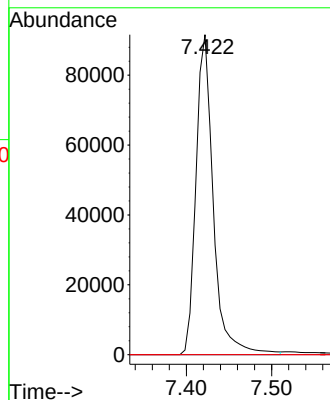
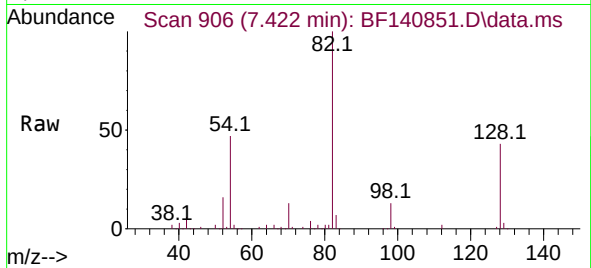




#25
Isophorone
Concen: 33.516 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.277 min
Lab File: BF140851.D
Acq: 13 Dec 2024 18:20

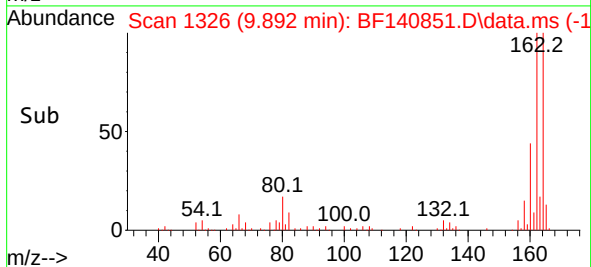
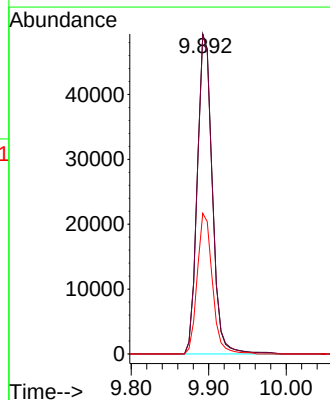
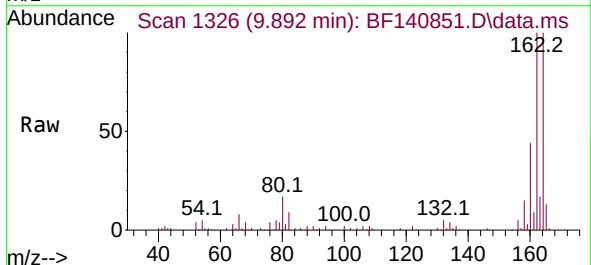
Instrument :
BNA_F
ClientSampleId :
72-12016RE

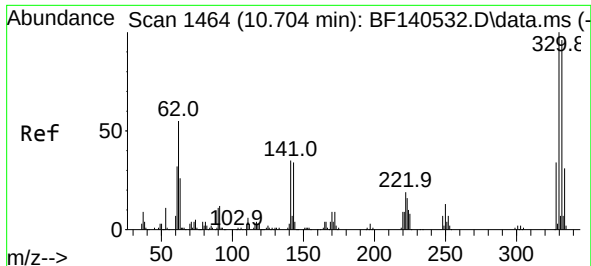
Tgt Ion: 82 Resp: 129473
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.024 min
Lab File: BF140851.D
Acq: 13 Dec 2024 18:20

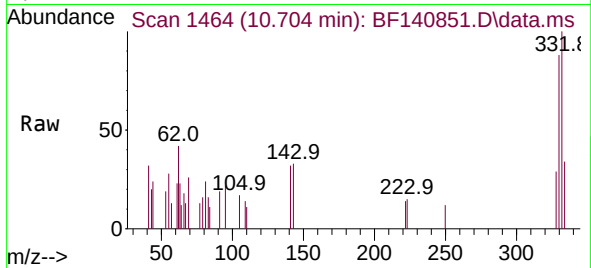
Tgt Ion:164 Resp: 66269
Ion Ratio Lower Upper
164 100
162 99.6 80.6 120.8
160 43.9 36.2 54.4



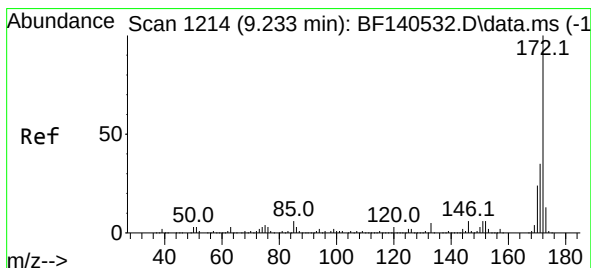
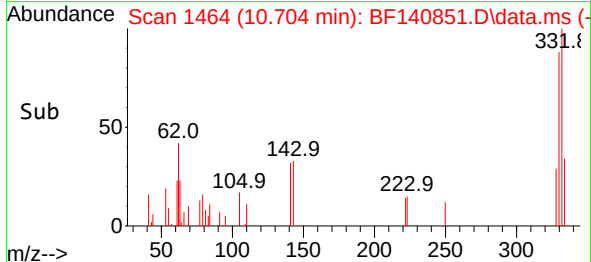
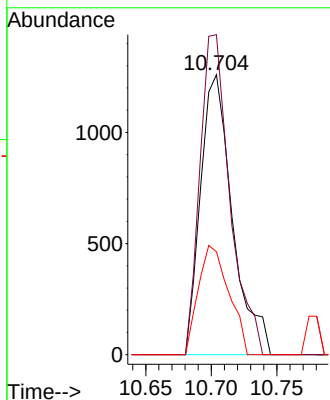


#42
2,4,6-Tribromophenol
Concen: 3.018 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.000 min
Lab File: BF140851.D
Acq: 13 Dec 2024 18:20

Instrument :
BNA_F
ClientSampleId :
72-12016RE

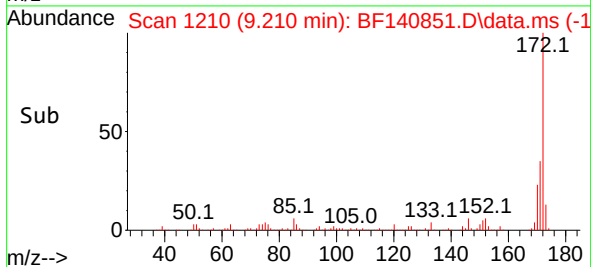
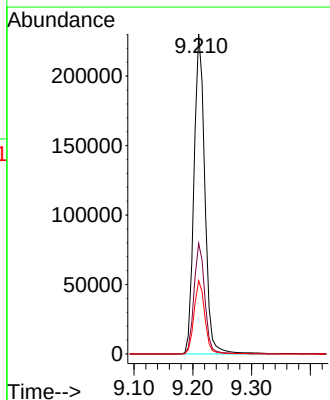
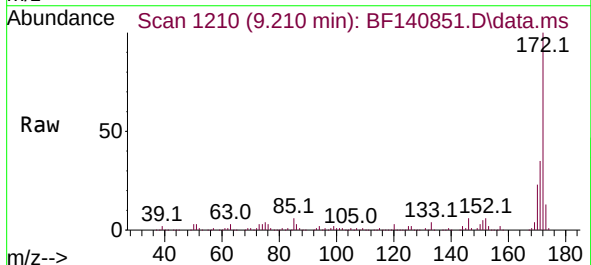


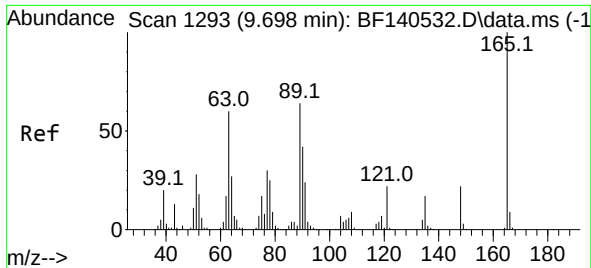
Tgt Ion:330 Resp: 2139
Ion Ratio Lower Upper
330 100
332 107.3 76.9 115.3
141 37.2 26.7 40.1



#45
2-Fluorobiphenyl
Concen: 66.652 ng
RT: 9.210 min Scan# 1210
Delta R.T. -0.024 min
Lab File: BF140851.D
Acq: 13 Dec 2024 18:20

Tgt Ion:172 Resp: 296452
Ion Ratio Lower Upper
172 100
171 34.5 28.4 42.6
170 22.9 19.0 28.6

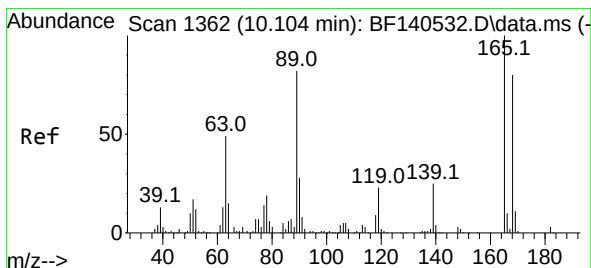
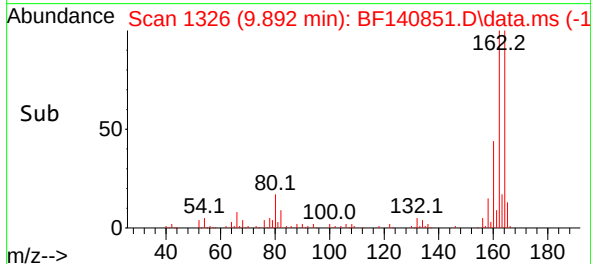
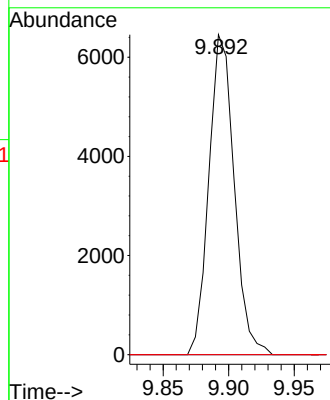
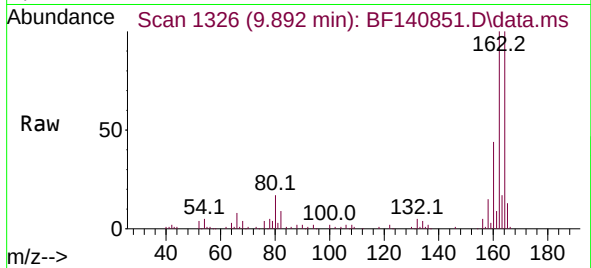




#51
2,6-Dinitrotoluene
Concen: 8.758 ng
RT: 9.892 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF140851.D
Acq: 13 Dec 2024 18:20

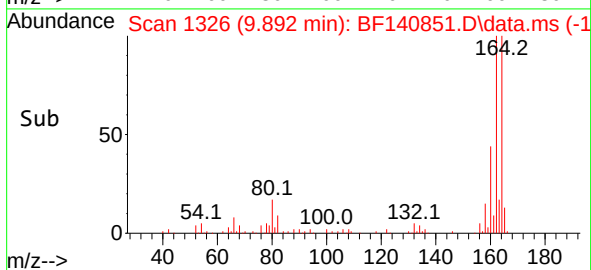
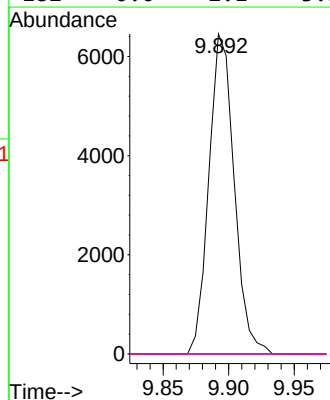
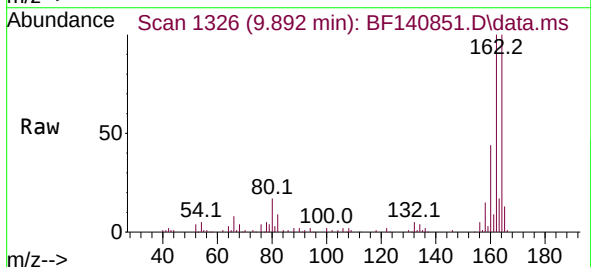
Instrument :
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ClientSampleId :
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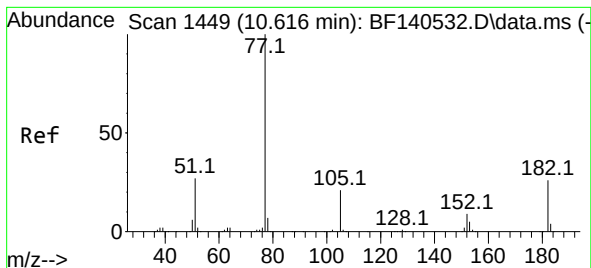
Tgt Ion:165 Resp: 8669
Ion Ratio Lower Upper
165 100
63 0.0 49.9 74.9#
89 0.0 50.9 76.3#



#57
2,4-Dinitrotoluene
Concen: 6.590 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.212 min
Lab File: BF140851.D
Acq: 13 Dec 2024 18:20

Tgt Ion:165 Resp: 8669
Ion Ratio Lower Upper
165 100
63 0.0 41.7 62.5#
89 0.0 65.8 98.8#
182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 2.748 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF140851.D

Acq: 13 Dec 2024 18:20

Instrument :

BNA_F

ClientSampleId :

72-12016RE

Tgt Ion: 77 Resp: 11540

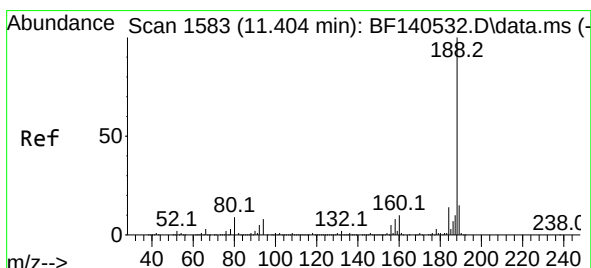
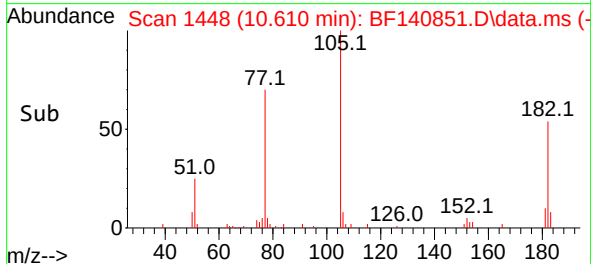
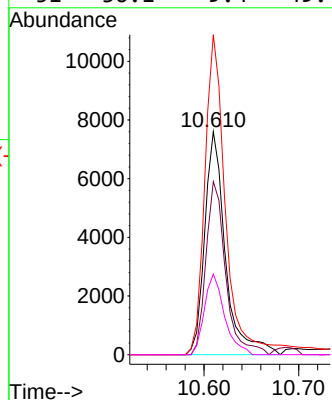
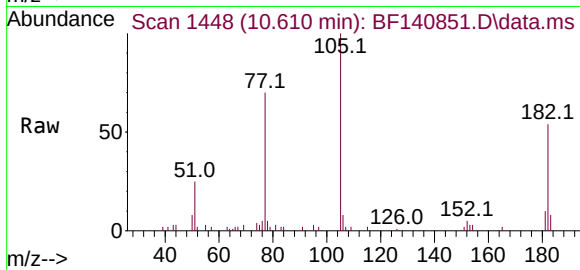
Ion Ratio Lower Upper

77 100

182 77.6 5.3 45.3#

105 143.5 0.3 40.3#

51 36.1 9.4 49.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1580

Delta R.T. -0.018 min

Lab File: BF140851.D

Acq: 13 Dec 2024 18:20

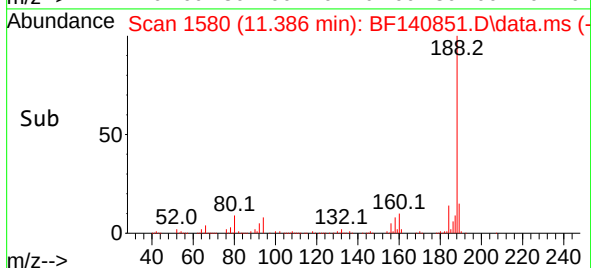
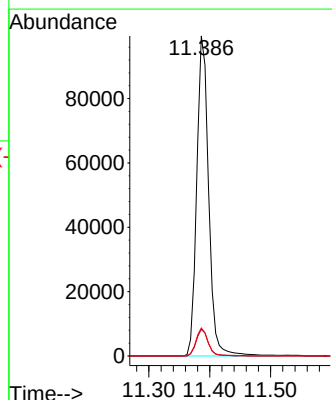
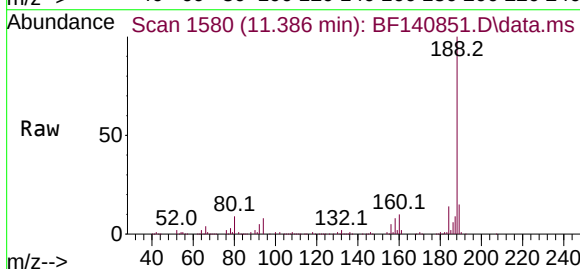
Tgt Ion:188 Resp: 135073

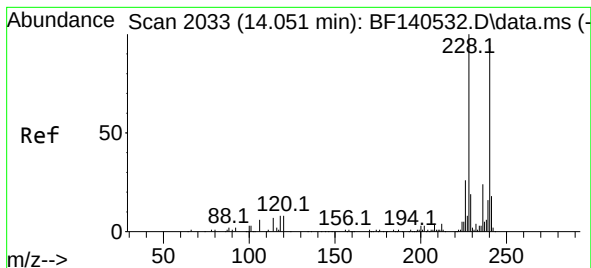
Ion Ratio Lower Upper

188 100

94 8.4 6.4 9.6

80 8.8 6.9 10.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.012 min

Lab File: BF140851.D

Acq: 13 Dec 2024 18:20

Instrument :

BNA_F

ClientSampleId :

72-12016RE

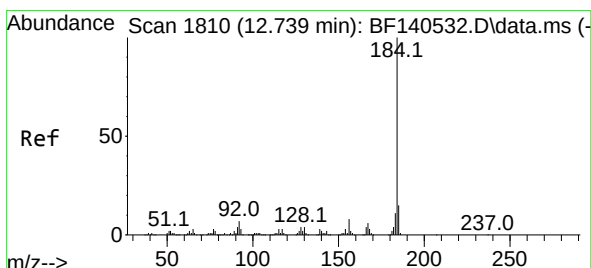
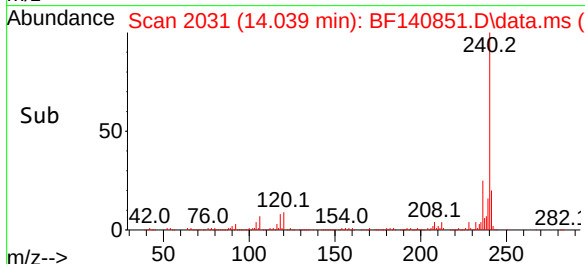
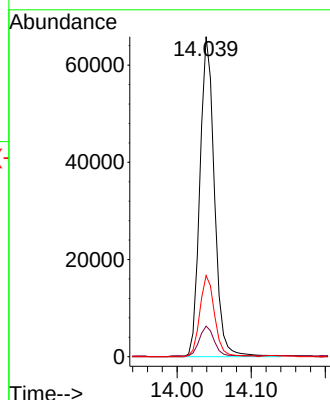
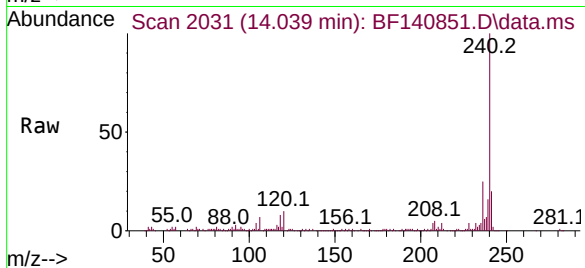
Tgt Ion:240 Resp: 89628

Ion Ratio Lower Upper

240 100

120 9.5 7.3 10.9

236 25.4 20.6 31.0



#77

Benzidine

Concen: 2.078 ng

RT: 12.968 min Scan# 1849

Delta R.T. 0.229 min

Lab File: BF140851.D

Acq: 13 Dec 2024 18:20

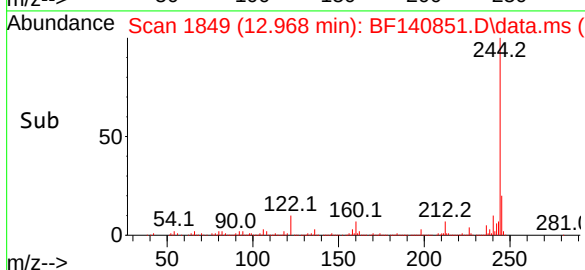
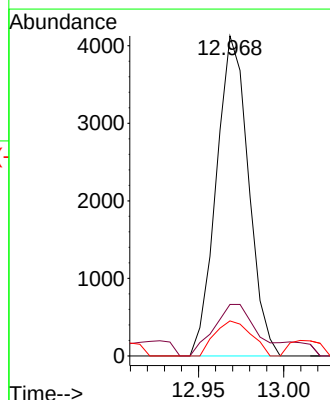
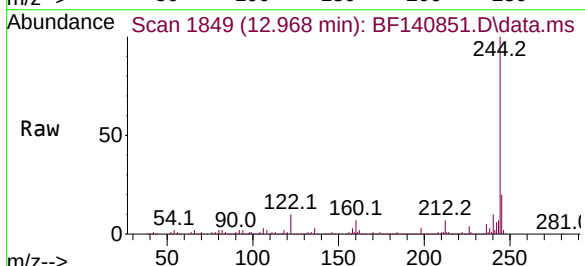
Tgt Ion:184 Resp: 5416

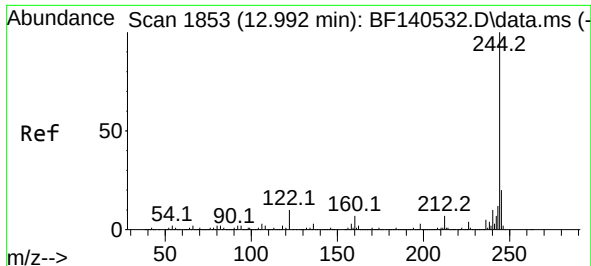
Ion Ratio Lower Upper

184 100

185 16.1 11.7 17.5

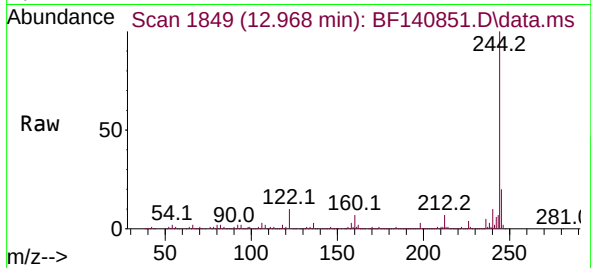
183 11.0 8.8 13.2



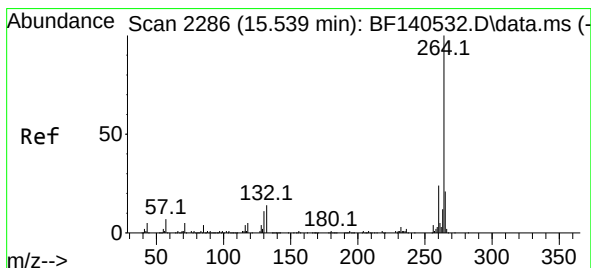
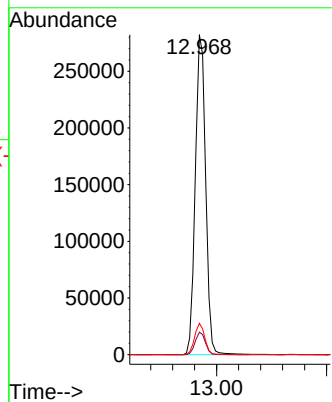
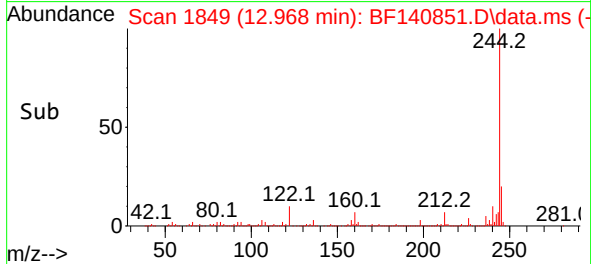


#79
 Terphenyl-d14
 Concen: 64.059 ng
 RT: 12.968 min Scan# 1849
 Delta R.T. -0.024 min
 Lab File: BF140851.D
 Acq: 13 Dec 2024 18:20

Instrument :
 BNA_F
 ClientSampleId :
 72-12016RE

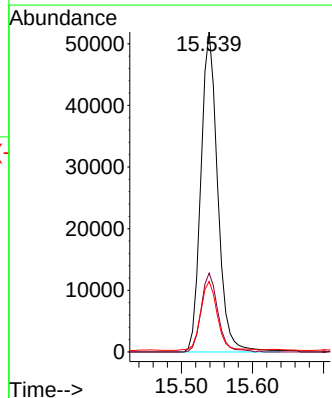
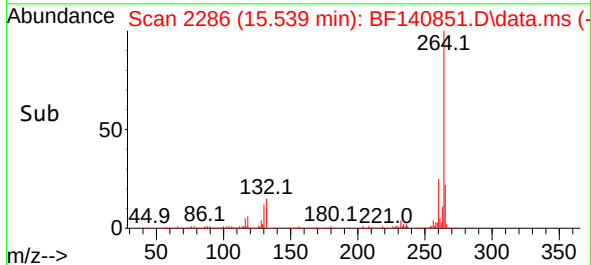
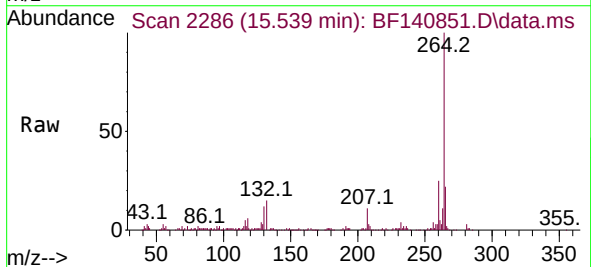


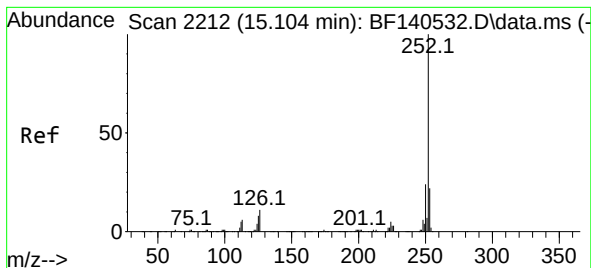
Tgt Ion:244 Resp: 368719
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.8
 122 9.8 8.0 12.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2286
 Delta R.T. -0.000 min
 Lab File: BF140851.D
 Acq: 13 Dec 2024 18:20

Tgt Ion:264 Resp: 85635
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.0 28.6
 265 22.1 16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 2.108 ng

RT: 15.110 min Scan# 2213

Delta R.T. 0.006 min

Lab File: BF140851.D

Acq: 13 Dec 2024 18:20

Instrument :

BNA_F

ClientSampleId :

72-12016RE

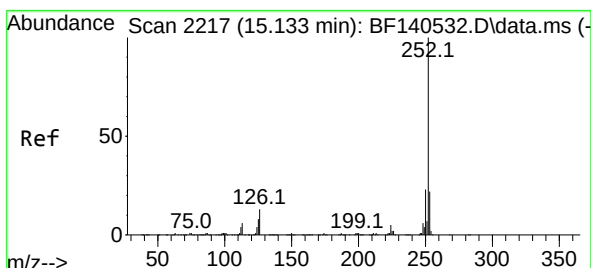
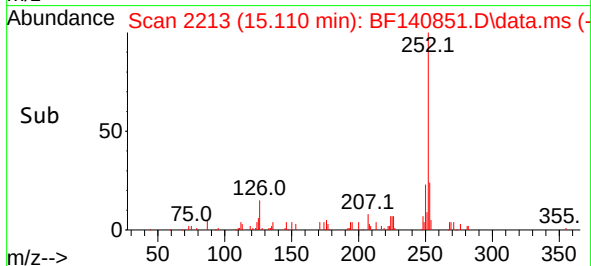
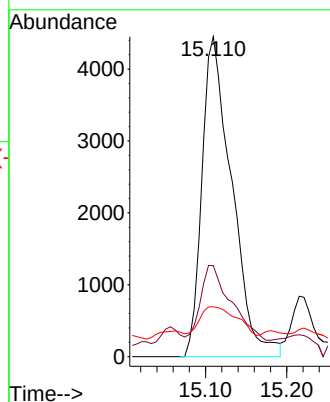
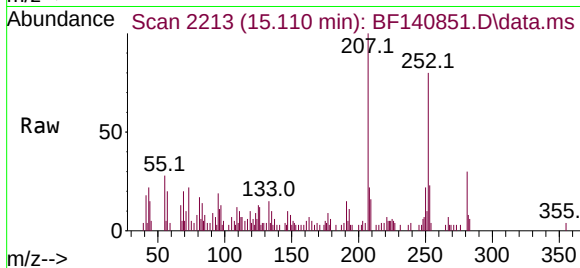
Tgt Ion:252 Resp: 11338

Ion Ratio Lower Upper

252 100

253 28.5 17.2 25.8#

125 15.6 6.7 10.1#



#89

Benzo(k)fluoranthene

Concen: 2.409 ng

RT: 15.110 min Scan# 2213

Delta R.T. -0.024 min

Lab File: BF140851.D

Acq: 13 Dec 2024 18:20

Tgt Ion:252 Resp: 11338

Ion Ratio Lower Upper

252 100

253 28.5 17.5 26.3#

125 15.6 6.5 9.7#

