

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
 Data File : BF142183.D
 Acq On : 31 Mar 2025 16:28
 Operator : RC/JU
 Sample : Q1654-01DL2 50X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT3407DL2

Quant Time: Mar 31 17:06:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

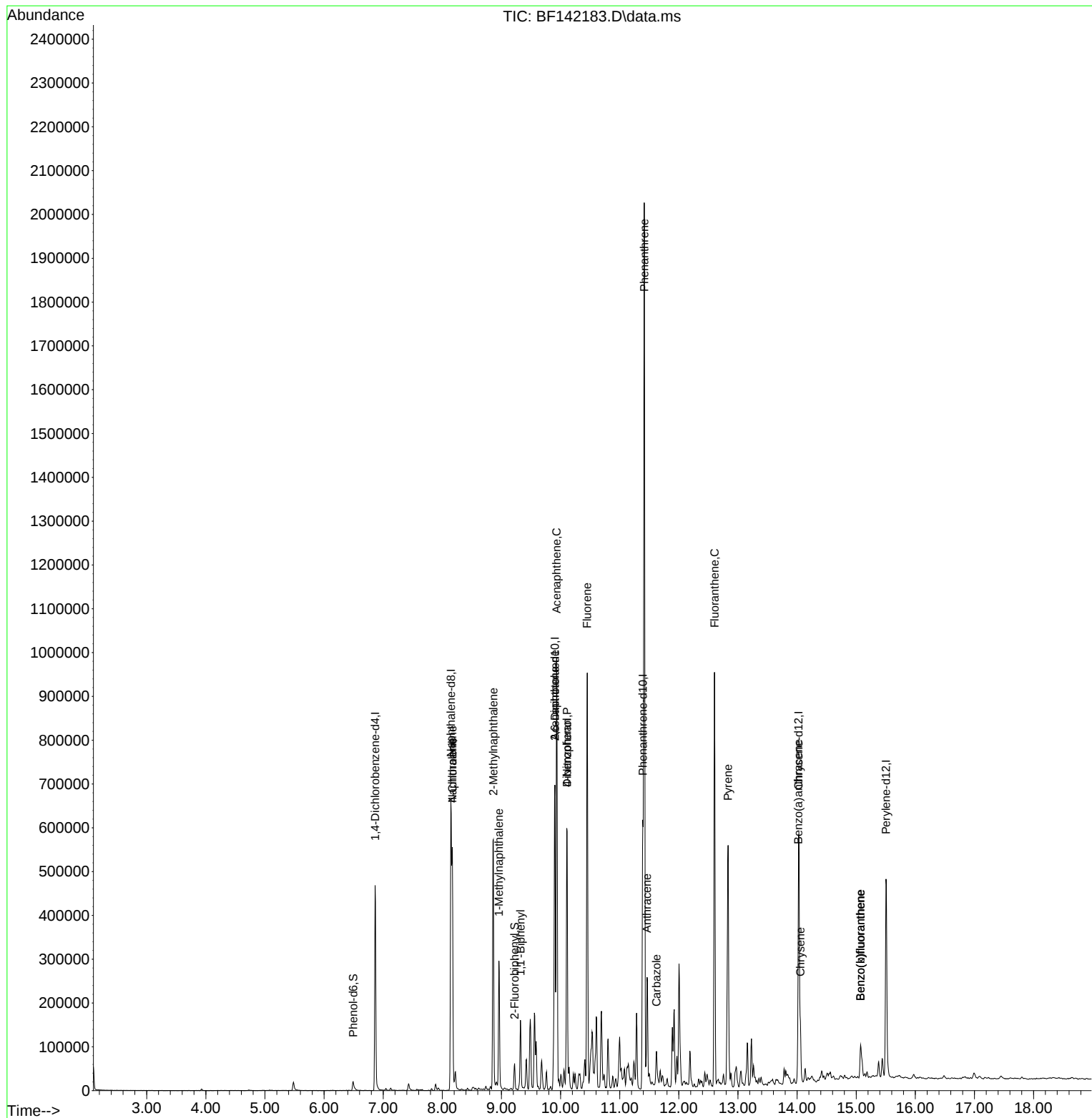
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	109537	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	432392	20.000	ng	-0.02
39) Acenaphthene-d10	9.904	164	207391	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	307146	20.000	ng	-0.01
76) Chrysene-d12	14.027	240	226518	20.000	ng	-0.01
86) Perylene-d12	15.504	264	281821	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	11499	1.752	ng	-0.01
7) Phenol-d6	6.492	99	17427	2.085	ng	-0.01
23) Nitrobenzene-d5	7.428	82	11098	1.444	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	3598	1.368	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	27674	2.029	ng	-0.02
79) Terphenyl-d14	12.974	244	20393	1.331	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.169	128	344530	15.511	ng	99
33) 4-Chloroaniline	8.169	127	44698	5.701	ng	# 34
37) 2-Methylnaphthalene	8.863	142	236142	15.906	ng	100
38) 1-Methylnaphthalene	8.957	142	117337	8.190	ng	97
46) 1,1'-Biphenyl	9.322	154	76820	4.875	ng	98
51) 2,6-Dinitrotoluene	9.904	165	35265	11.662	ng	# 23
52) Acenaphthene	9.933	154	304069	24.825	ng	99
55) Dibenzofuran	10.110	168	328771	18.785	ng	96
56) 4-Nitrophenol	10.110	139	131401	56.807	ng	# 5
58) Fluorene	10.451	166	365377	27.071	ng	99
71) Phenanthrene	11.416	178	1076604	64.895	ng	99
72) Anthracene	11.463	178	149548	8.985	ng	97
73) Carbazole	11.622	167	40559	2.826	ng	99
75) Fluoranthene	12.604	202	534898	30.395	ng	99
78) Pyrene	12.833	202	324783	16.576	ng	98
81) Benzo(a)anthracene	14.021	228	96113	6.466	ng	99
83) Chrysene	14.057	228	70925	5.264	ng	97
88) Benzo(b)fluoranthene	15.074	252	67382	3.489	ng	96
89) Benzo(k)fluoranthene	15.074	252	67382	4.077	ng	97

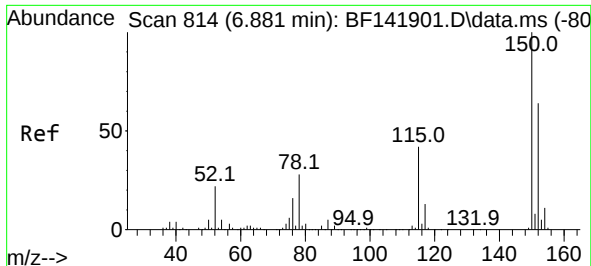
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 31 17:06:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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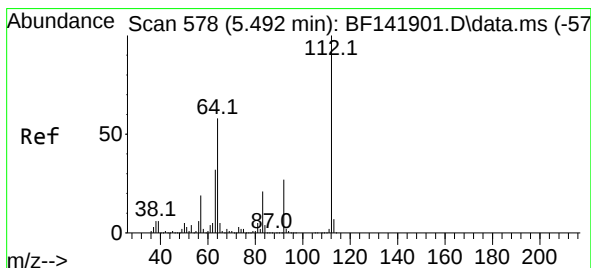
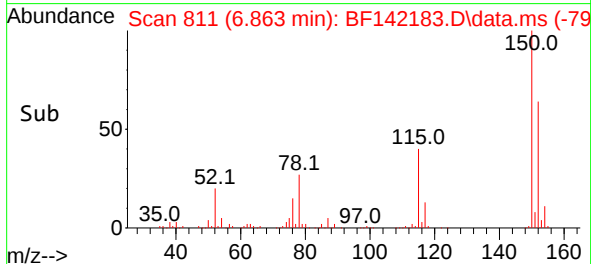
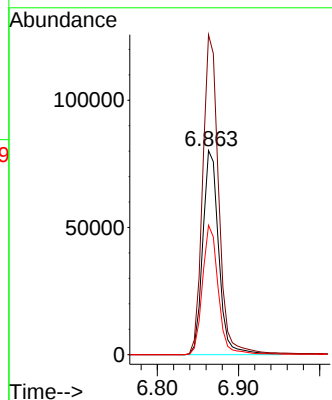
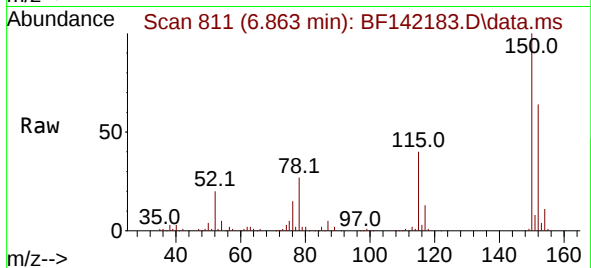




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 814
Delta R.T. -0.018 min
Lab File: BF142183.D
Acq: 31 Mar 2025 16:28

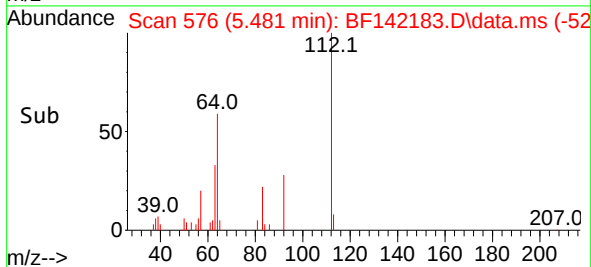
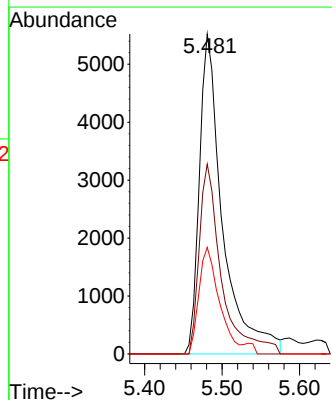
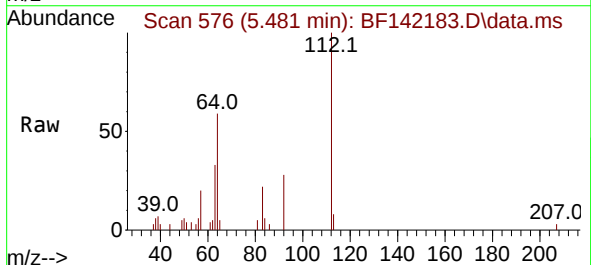
Instrument :
BNA_F
ClientSampleId :
RT3407DL2

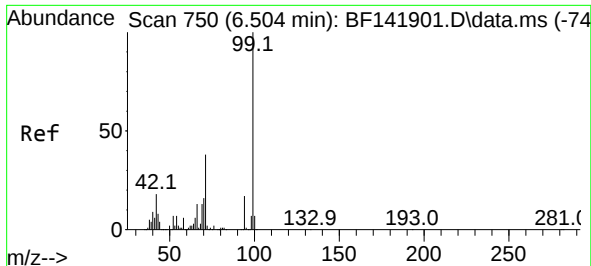
Tgt Ion:152 Resp: 109537
Ion Ratio Lower Upper
152 100
150 156.7 127.4 191.2
115 63.4 51.9 77.9



#5
2-Fluorophenol
Concen: 1.752 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF142183.D
Acq: 31 Mar 2025 16:28

Tgt Ion:112 Resp: 11499
Ion Ratio Lower Upper
112 100
64 59.4 46.5 69.7
63 33.3 25.4 38.2

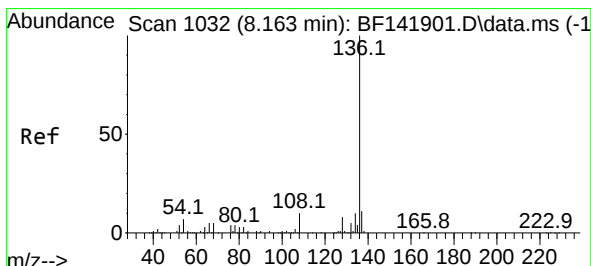
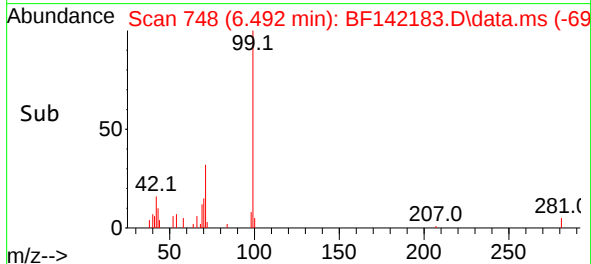
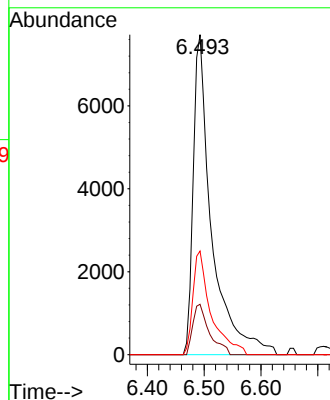
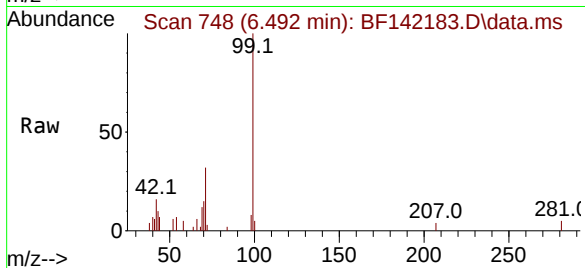




#7
Phenol-d6
Concen: 2.085 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142183.D
Acq: 31 Mar 2025 16:28

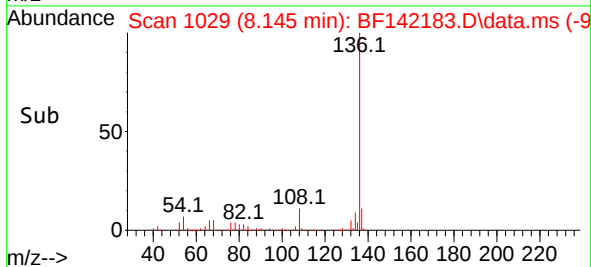
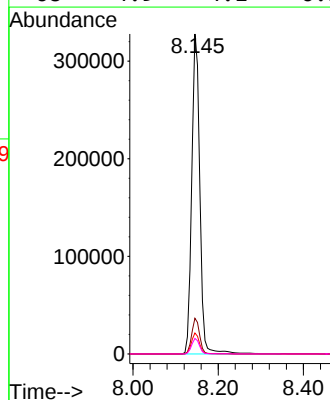
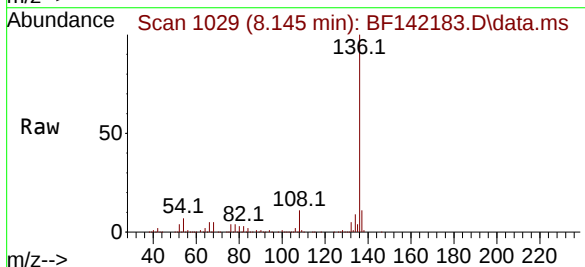
Instrument :
BNA_F
ClientSampleId :
RT3407DL2

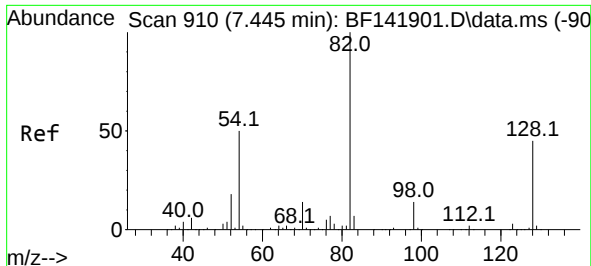
Tgt Ion: 99 Resp: 17427
Ion Ratio Lower Upper
99 100
42 15.7 14.6 21.8
71 32.4 30.8 46.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.018 min
Lab File: BF142183.D
Acq: 31 Mar 2025 16:28

Tgt Ion: 136 Resp: 432392
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 6.6 5.8 8.8
68 4.9 4.1 6.1

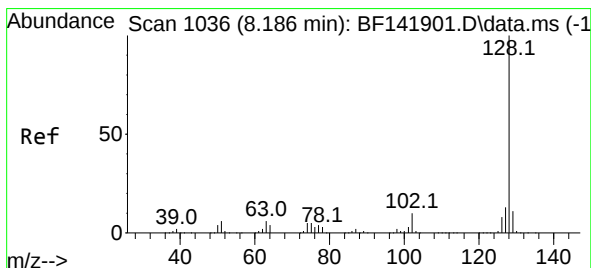
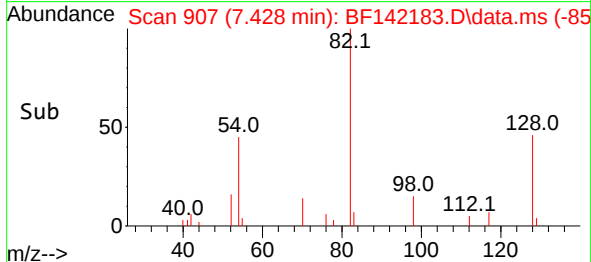
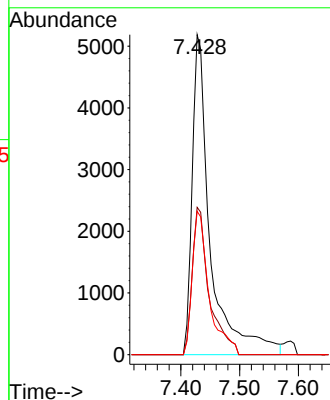
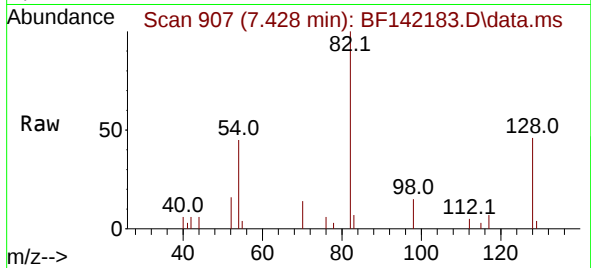




#23
 Nitrobenzene-d5
 Concen: 1.444 ng
 RT: 7.428 min Scan# 90
 Delta R.T. -0.018 min
 Lab File: BF142183.D
 Acq: 31 Mar 2025 16:28

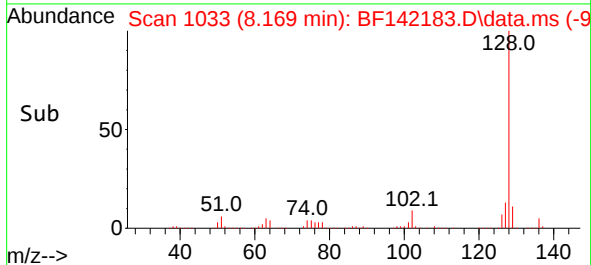
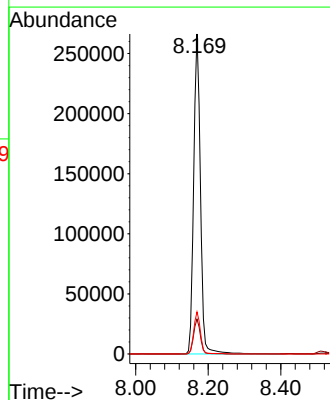
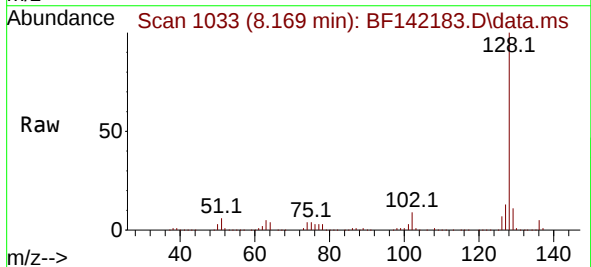
Instrument :
 BNA_F
 ClientSampleId :
 RT3407DL2

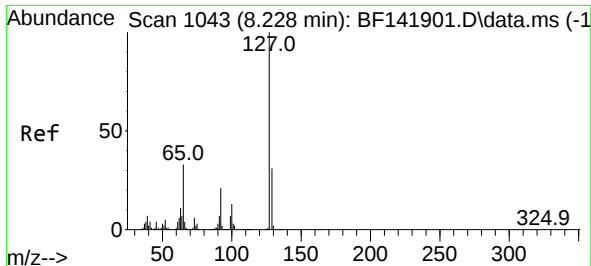
Tgt Ion: 82 Resp: 11098
 Ion Ratio Lower Upper
 82 100
 128 46.1 36.0 54.0
 54 44.8 39.6 59.4



#31
 Naphthalene
 Concen: 15.511 ng
 RT: 8.169 min Scan# 1033
 Delta R.T. -0.018 min
 Lab File: BF142183.D
 Acq: 31 Mar 2025 16:28

Tgt Ion: 128 Resp: 344530
 Ion Ratio Lower Upper
 128 100
 129 10.9 9.0 13.6
 127 13.2 10.8 16.2

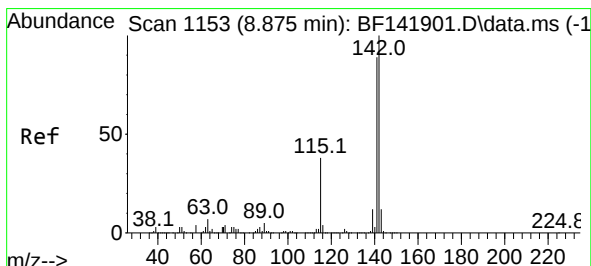
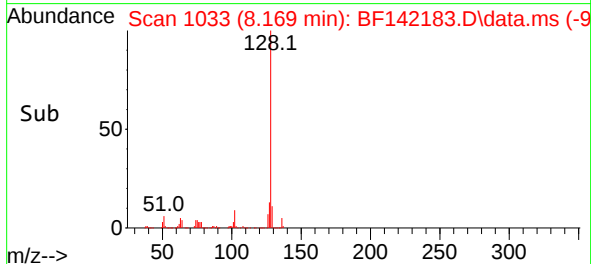
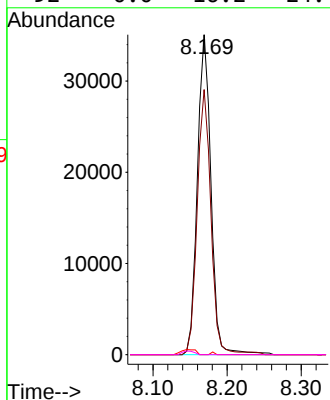
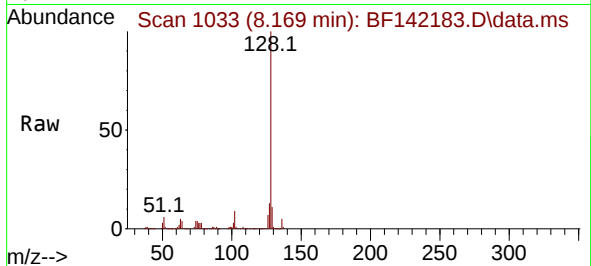




#33
4-Chloroaniline
Concen: 5.701 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.059 min
Lab File: BF142183.D
Acq: 31 Mar 2025 16:28

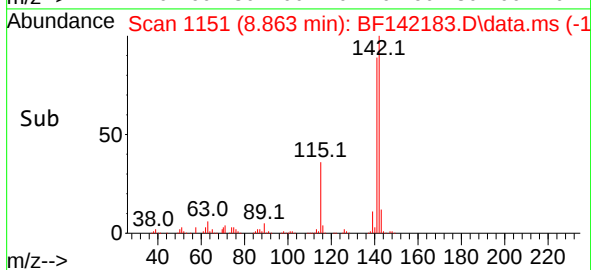
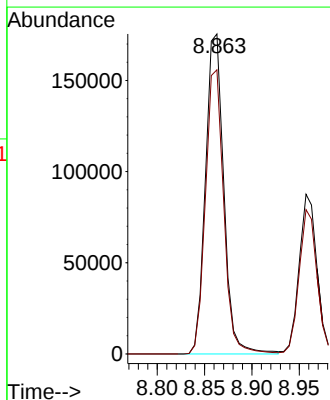
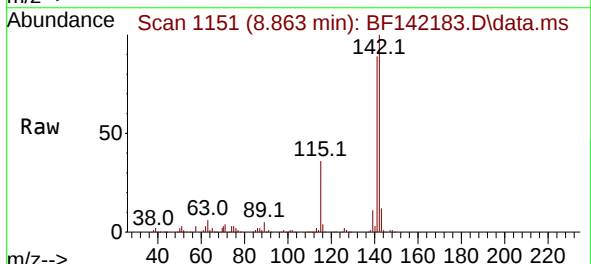
Instrument :
BNA_F
ClientSampleId :
RT3407DL2

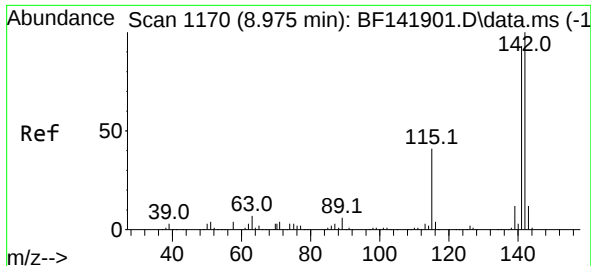
Tgt Ion:127	Resp:	44698
Ion Ratio	Lower	Upper
127	100	
129	82.9	26.2 39.4#
65	0.0	25.4 38.2#
92	0.0	16.2 24.4#



#37
2-Methylnaphthalene
Concen: 15.906 ng
RT: 8.863 min Scan# 1151
Delta R.T. -0.012 min
Lab File: BF142183.D
Acq: 31 Mar 2025 16:28

Tgt Ion:142	Resp:	236142
Ion Ratio	Lower	Upper
142	100	
141	88.8	71.2 106.8

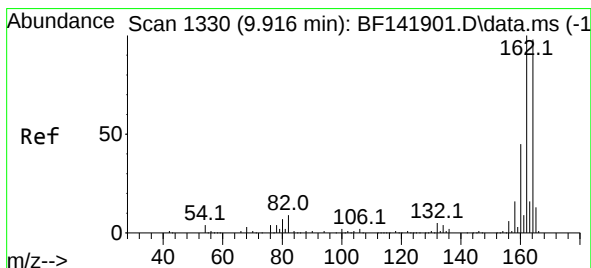
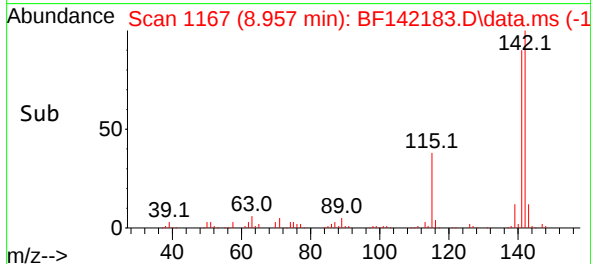
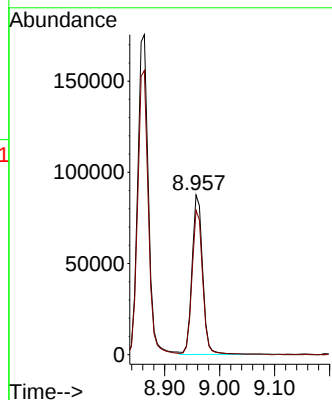
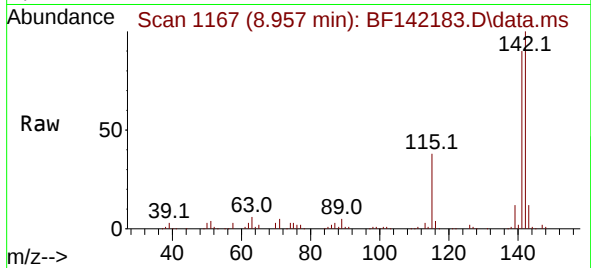




#38
1-Methylnaphthalene
Concen: 8.190 ng
RT: 8.957 min Scan# 1170
Delta R.T. -0.018 min
Lab File: BF142183.D
Acq: 31 Mar 2025 16:28

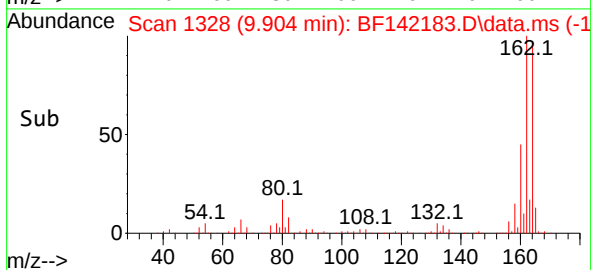
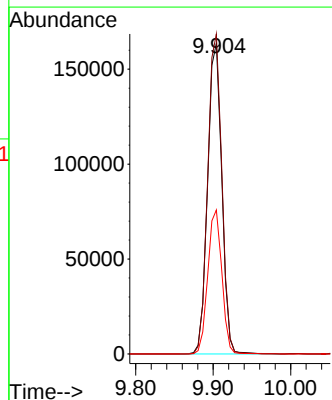
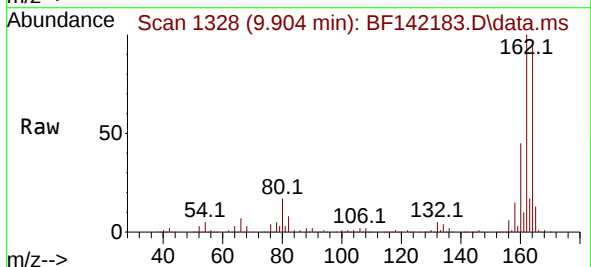
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ClientSampleId :
RT3407DL2

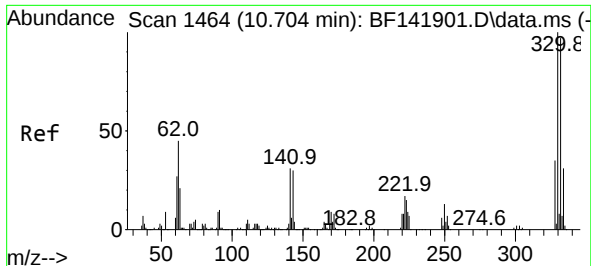
Tgt Ion:142 Resp: 117337
Ion Ratio Lower Upper
142 100
141 90.4 74.2 111.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142183.D
Acq: 31 Mar 2025 16:28

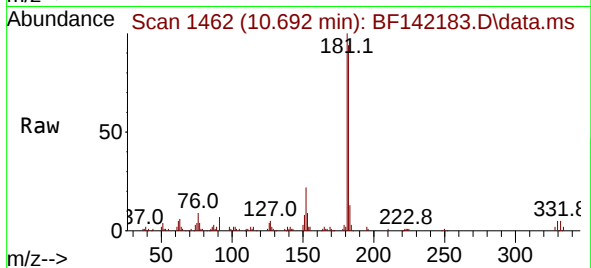
Tgt Ion:164 Resp: 207391
Ion Ratio Lower Upper
164 100
162 103.1 81.8 122.6
160 46.4 36.7 55.1



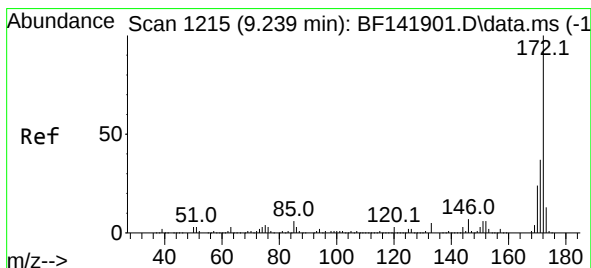
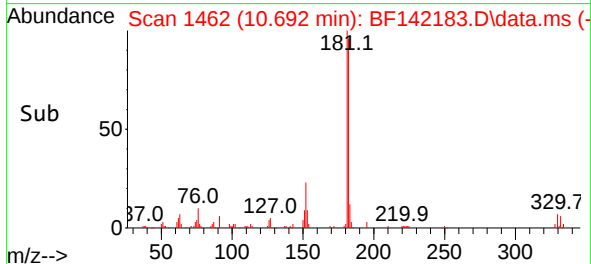
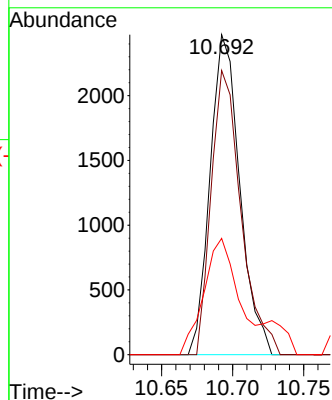


#42
 2,4,6-Tribromophenol
 Concen: 1.368 ng
 RT: 10.692 min Scan# 1462
 Delta R.T. -0.012 min
 Lab File: BF142183.D
 Acq: 31 Mar 2025 16:28

Instrument :
 BNA_F
 ClientSampleId :
 RT3407DL2

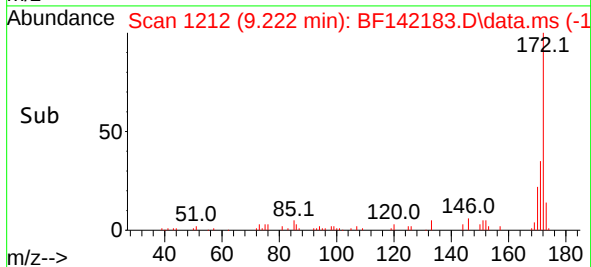
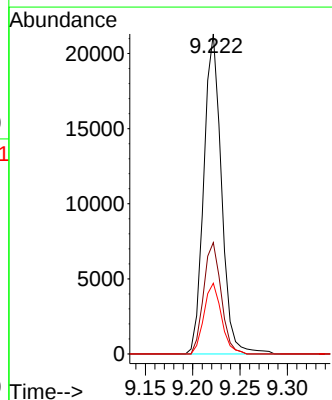
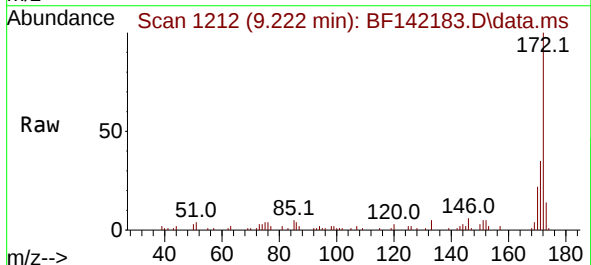


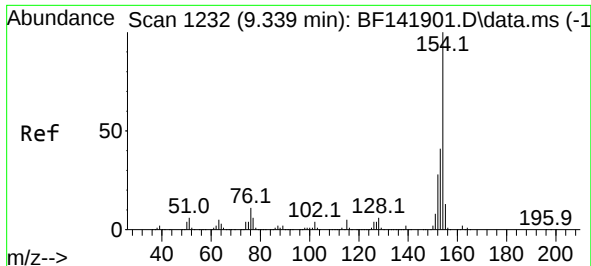
Tgt Ion:330 Resp: 3598
 Ion Ratio Lower Upper
 330 100
 332 88.7 77.6 116.4
 141 50.6 24.7 37.1#



#45
 2-Fluorobiphenyl
 Concen: 2.029 ng
 RT: 9.222 min Scan# 1212
 Delta R.T. -0.018 min
 Lab File: BF142183.D
 Acq: 31 Mar 2025 16:28

Tgt Ion:172 Resp: 27674
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.3 43.9
 170 22.1 19.4 29.0





#46

1,1'-Biphenyl

Concen: 4.875 ng

RT: 9.322 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF142183.D

Acq: 31 Mar 2025 16:28

Instrument :

BNA_F

ClientSampleId :

RT3407DL2

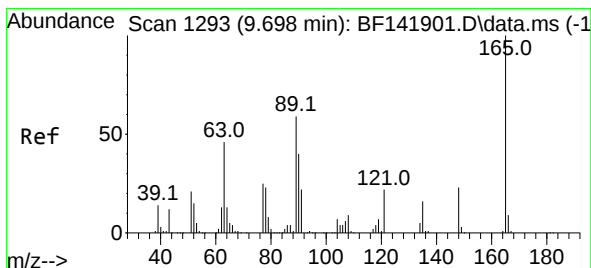
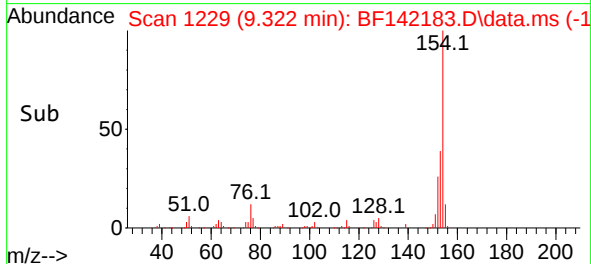
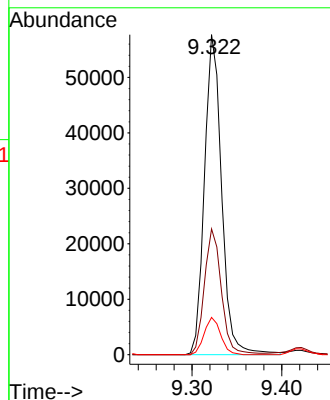
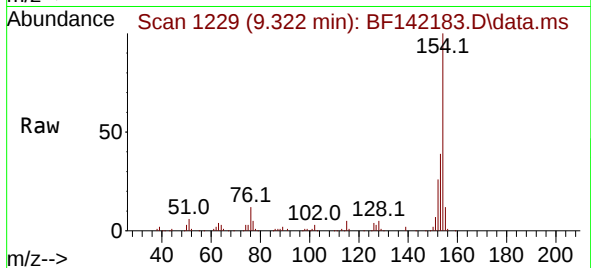
Tgt Ion:154 Resp: 76820

Ion Ratio Lower Upper

154 100

153 39.3 21.1 61.1

76 11.7 0.0 31.3



#51

2,6-Dinitrotoluene

Concen: 11.662 ng

RT: 9.904 min Scan# 1328

Delta R.T. 0.206 min

Lab File: BF142183.D

Acq: 31 Mar 2025 16:28

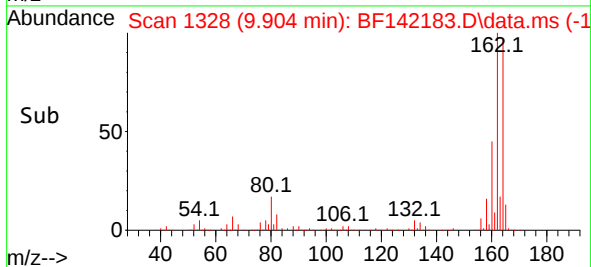
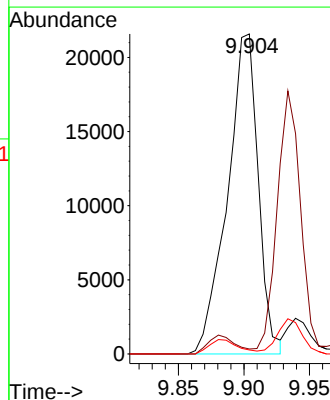
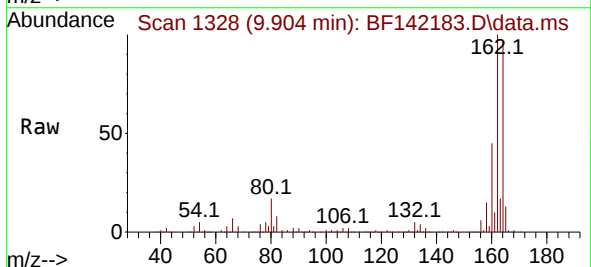
Tgt Ion:165 Resp: 35265

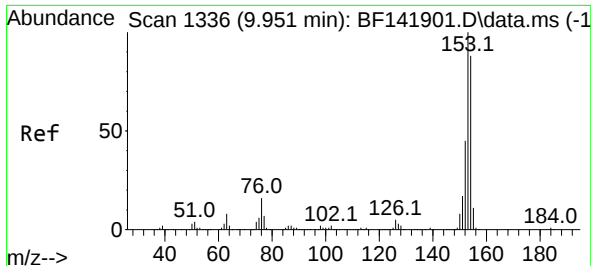
Ion Ratio Lower Upper

165 100

63 1.6 47.0 70.4#

89 1.2 47.4 71.2#

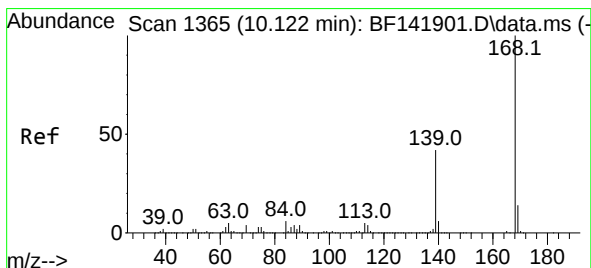
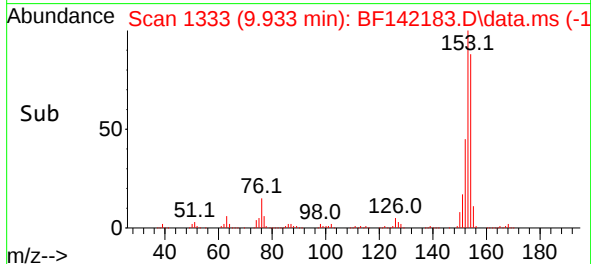
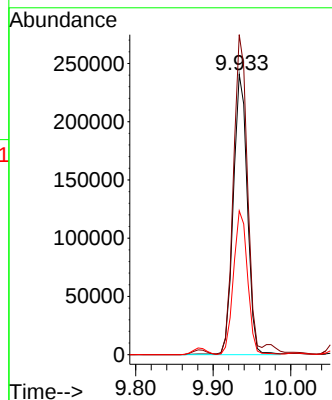
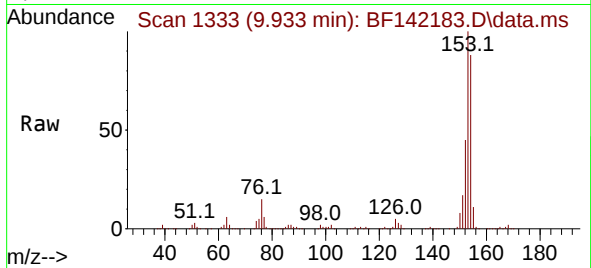




#52
Acenaphthene
Concen: 24.825 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF142183.D
Acq: 31 Mar 2025 16:28

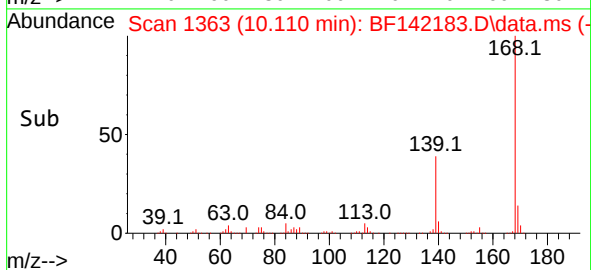
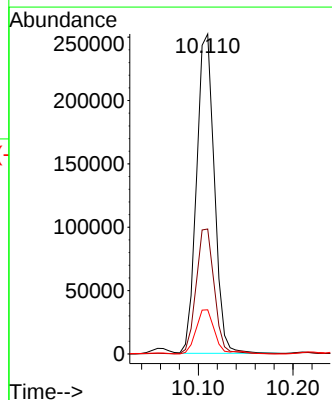
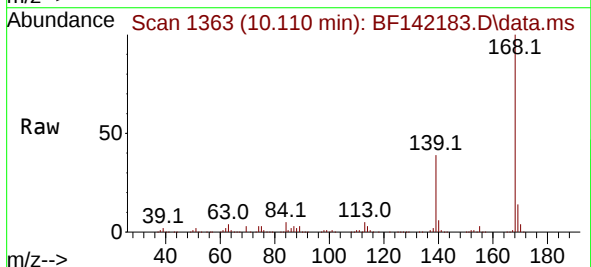
Instrument :
BNA_F
ClientSampleId :
RT3407DL2

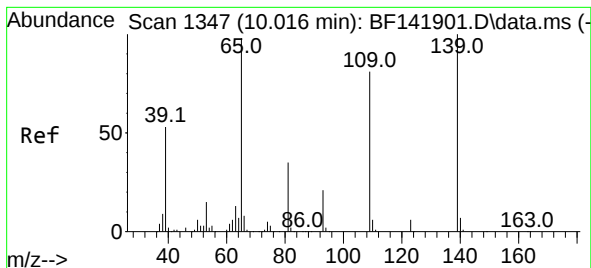
Tgt Ion:154 Resp: 304069
Ion Ratio Lower Upper
154 100
153 114.2 90.7 136.1
152 51.3 41.1 61.7



#55
Dibenzofuran
Concen: 18.785 ng
RT: 10.110 min Scan# 1363
Delta R.T. -0.012 min
Lab File: BF142183.D
Acq: 31 Mar 2025 16:28

Tgt Ion:168 Resp: 328771
Ion Ratio Lower Upper
168 100
139 39.1 33.9 50.9
169 13.8 11.0 16.4

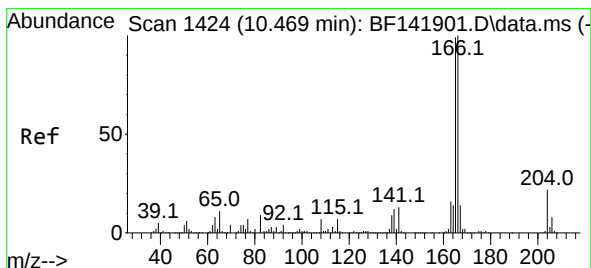
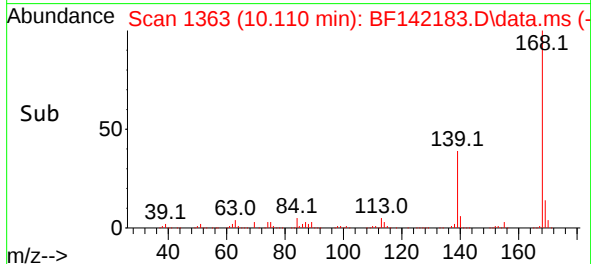
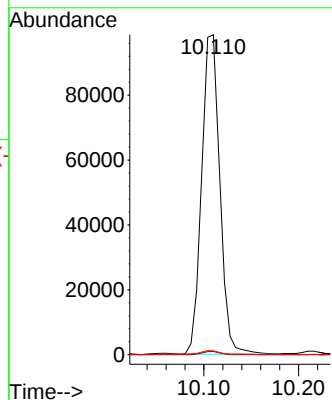
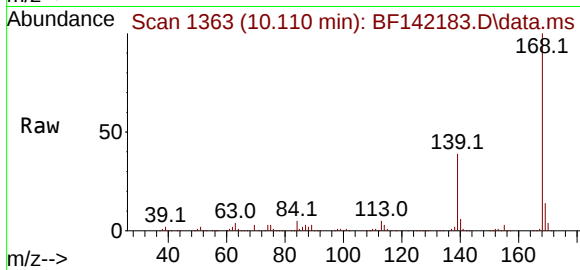




#56
4-Nitrophenol
Concen: 56.807 ng
RT: 10.110 min Scan# 1347
Delta R.T. 0.094 min
Lab File: BF142183.D
Acq: 31 Mar 2025 16:28

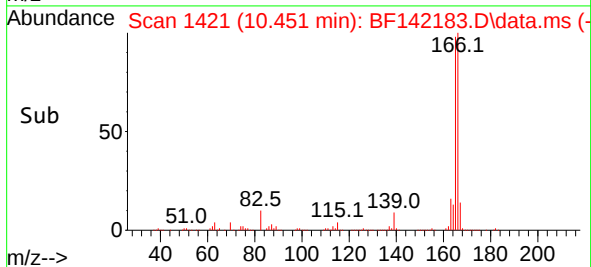
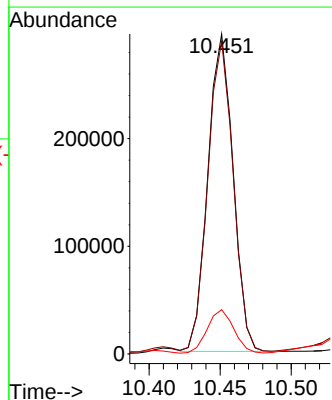
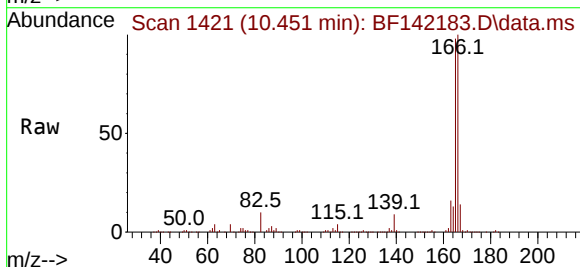
Instrument :
BNA_F
ClientSampleId :
RT3407DL2

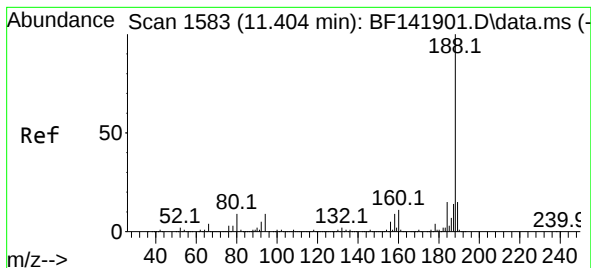
Tgt Ion:139 Resp: 131401
Ion Ratio Lower Upper
139 100
109 1.0 61.6 101.6#
65 1.2 79.4 119.4#



#58
Fluorene
Concen: 27.071 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.018 min
Lab File: BF142183.D
Acq: 31 Mar 2025 16:28

Tgt Ion:166 Resp: 365377
Ion Ratio Lower Upper
166 100
165 97.8 79.0 118.4
167 13.9 11.0 16.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142183.D

Acq: 31 Mar 2025 16:28

Instrument :

BNA_F

ClientSampleId :

RT3407DL2

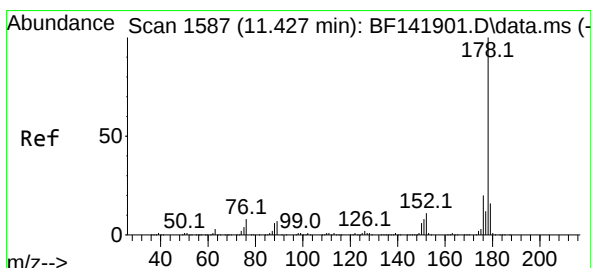
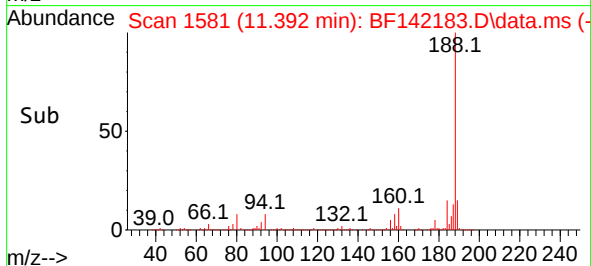
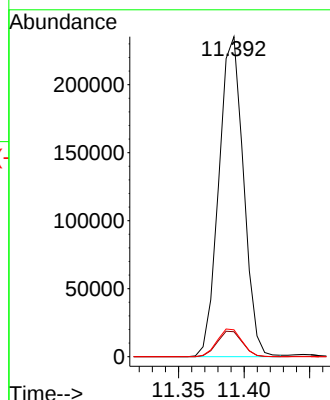
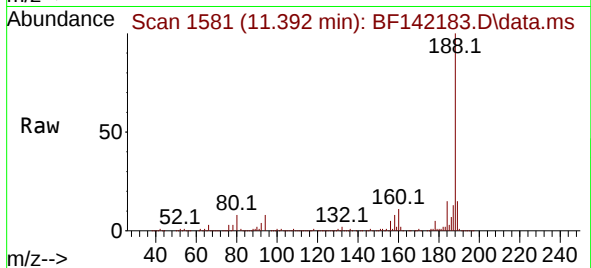
Tgt Ion:188 Resp: 307146

Ion Ratio Lower Upper

188 100

94 7.8 6.8 10.2

80 8.4 7.6 11.4



#71

Phenanthrene

Concen: 64.895 ng

RT: 11.416 min Scan# 1585

Delta R.T. -0.012 min

Lab File: BF142183.D

Acq: 31 Mar 2025 16:28

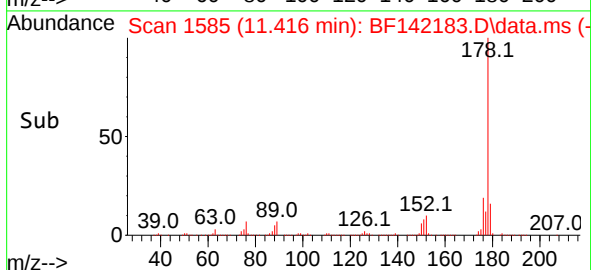
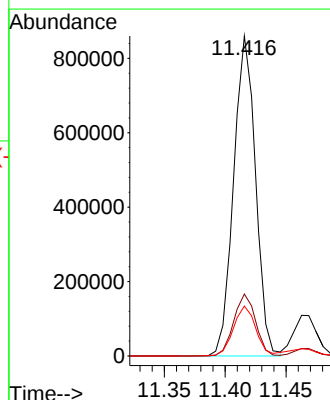
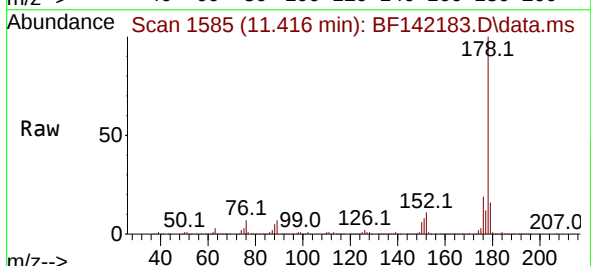
Tgt Ion:178 Resp: 1076604

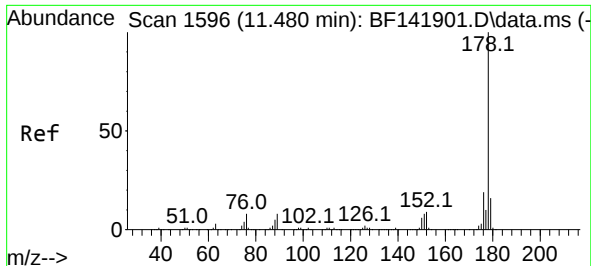
Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

179 15.6 12.6 19.0

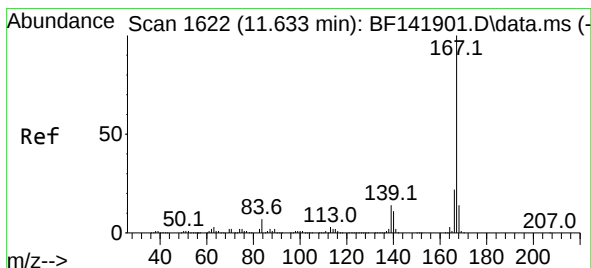
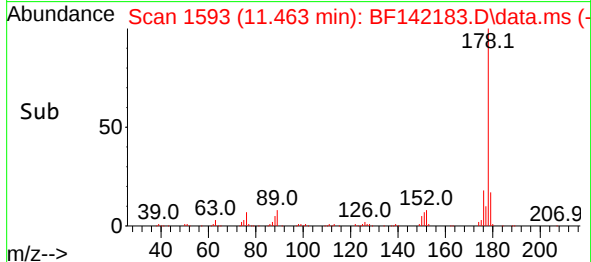
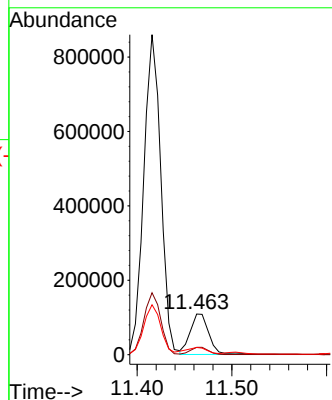
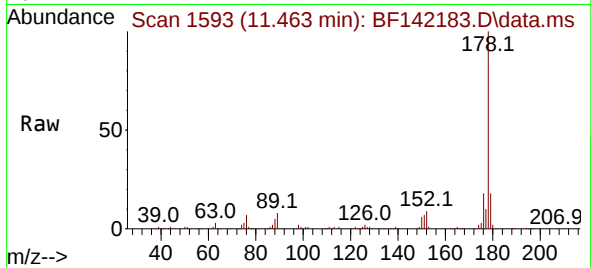




#72
 Anthracene
 Concen: 8.985 ng
 RT: 11.463 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF142183.D
 Acq: 31 Mar 2025 16:28

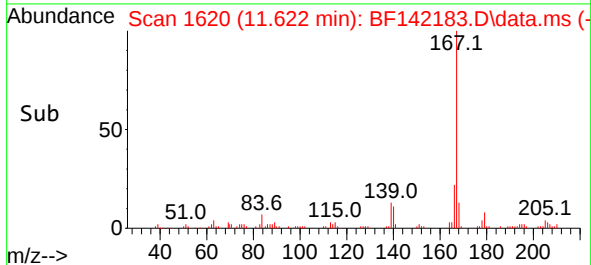
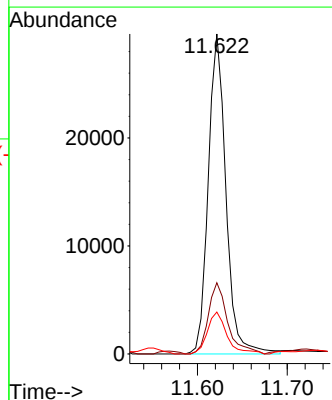
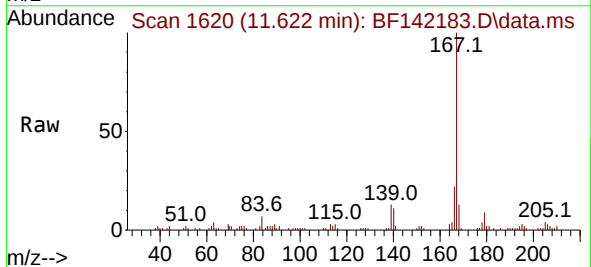
Instrument :
 BNA_F
 ClientSampleId :
 RT3407DL2

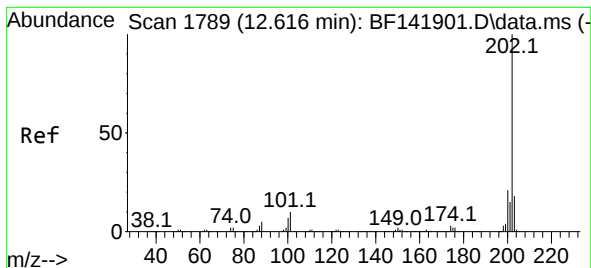
Tgt Ion:178 Resp: 149548
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.1 22.7
 179 17.6 12.6 19.0



#73
 Carbazole
 Concen: 2.826 ng
 RT: 11.622 min Scan# 1620
 Delta R.T. -0.012 min
 Lab File: BF142183.D
 Acq: 31 Mar 2025 16:28

Tgt Ion:167 Resp: 40559
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.4 26.2
 139 13.1 11.0 16.6





#75

Fluoranthene

Concen: 30.395 ng

RT: 12.604 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142183.D

Acq: 31 Mar 2025 16:28

Instrument :

BNA_F

ClientSampleId :

RT3407DL2

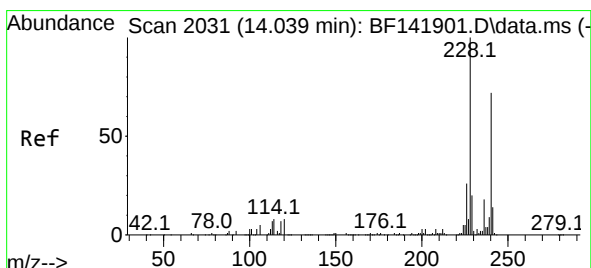
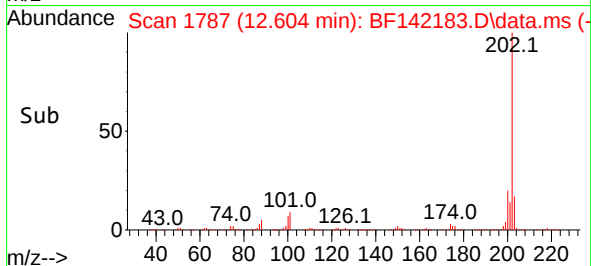
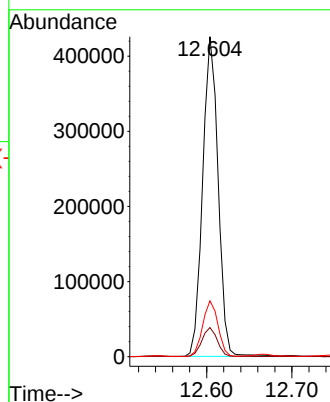
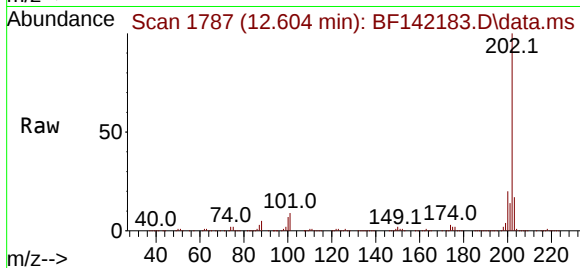
Tgt Ion:202 Resp: 534898

Ion Ratio Lower Upper

202 100

101 9.1 0.0 29.7

203 17.5 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2029

Delta R.T. -0.012 min

Lab File: BF142183.D

Acq: 31 Mar 2025 16:28

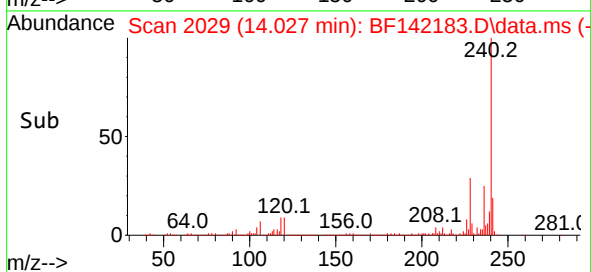
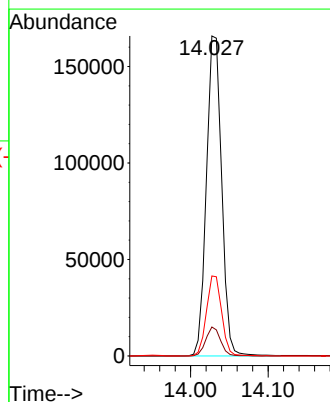
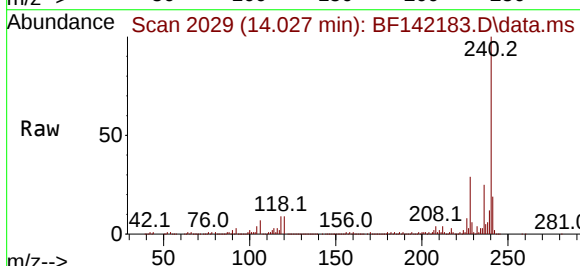
Tgt Ion:240 Resp: 226518

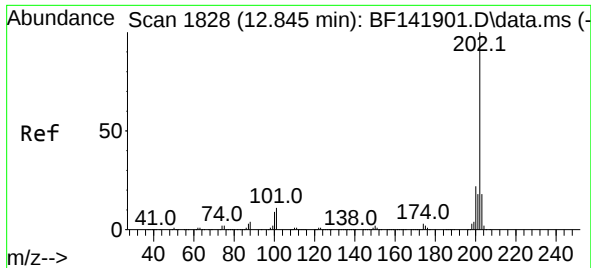
Ion Ratio Lower Upper

240 100

120 9.0 8.4 12.6

236 25.0 20.5 30.7

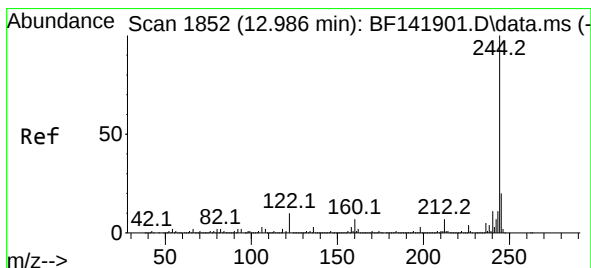
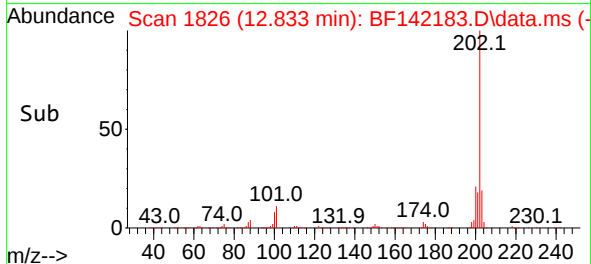
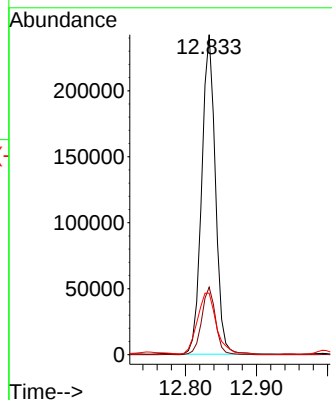
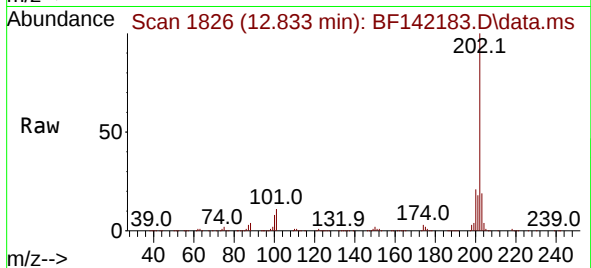




#78
Pyrene
Concen: 16.576 ng
RT: 12.833 min Scan# 1826
Delta R.T. -0.012 min
Lab File: BF142183.D
Acq: 31 Mar 2025 16:28

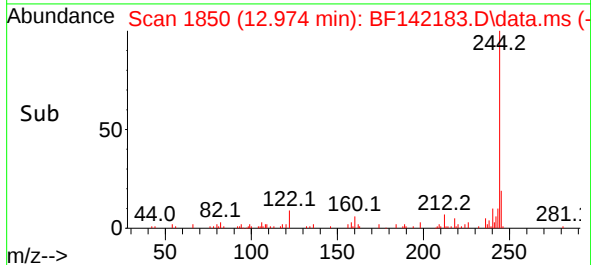
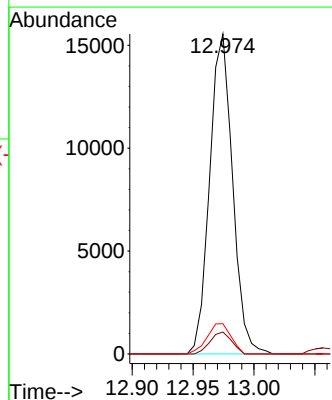
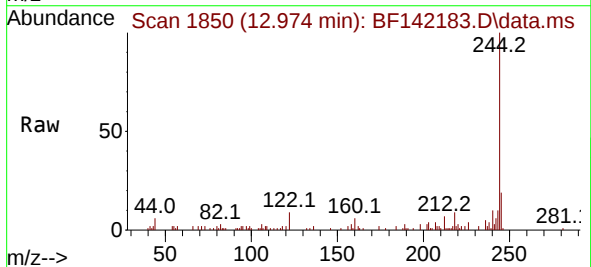
Instrument :
BNA_F
ClientSampleId :
RT3407DL2

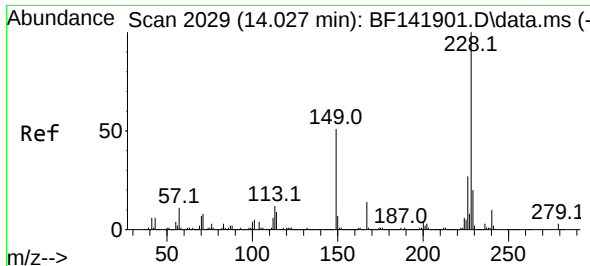
Tgt Ion:202 Resp: 324783
Ion Ratio Lower Upper
202 100
200 21.1 17.3 25.9
203 19.2 14.4 21.6



#79
Terphenyl-d14
Concen: 1.331 ng
RT: 12.974 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BF142183.D
Acq: 31 Mar 2025 16:28

Tgt Ion:244 Resp: 20393
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 9.5 7.7 11.5

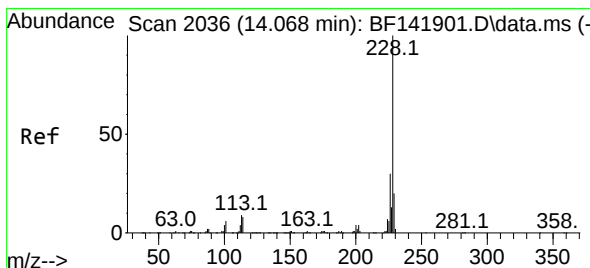
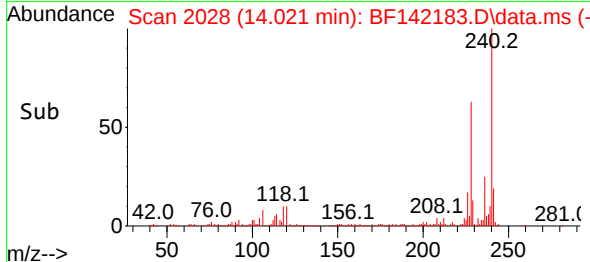
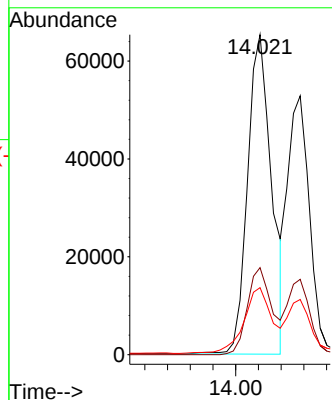
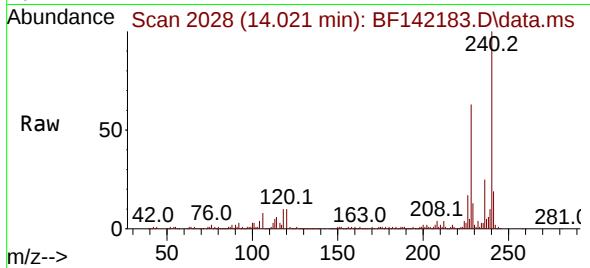




#81
Benzo(a)anthracene
Concen: 6.466 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF142183.D
Acq: 31 Mar 2025 16:28

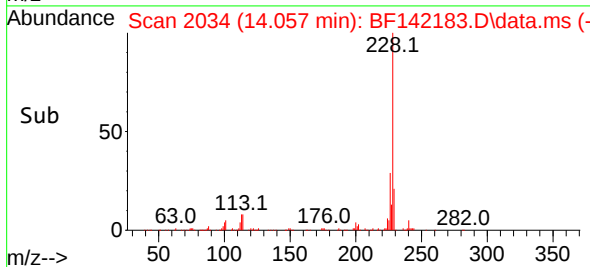
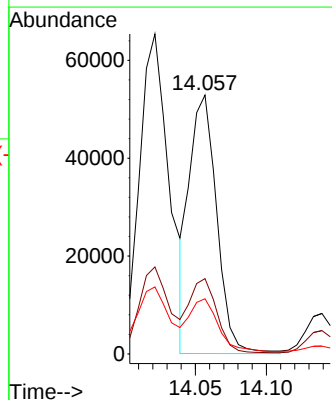
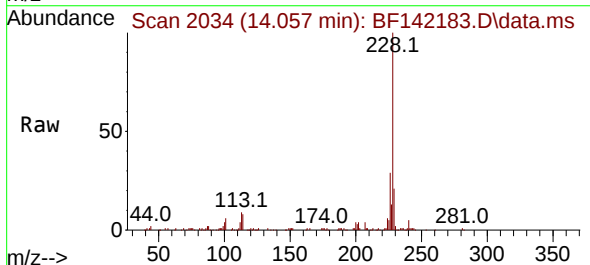
Instrument :
BNA_F
ClientSampleId :
RT3407DL2

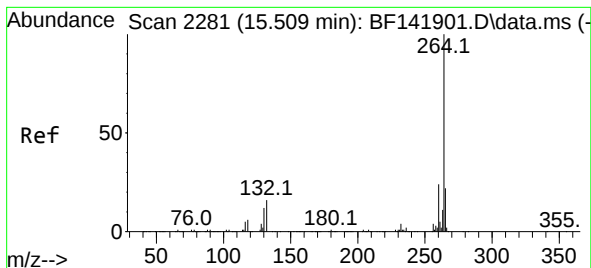
Tgt Ion:228 Resp: 96113
Ion Ratio Lower Upper
228 100
226 27.2 21.8 32.8
229 20.9 16.0 24.0



#83
Chrysene
Concen: 5.264 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BF142183.D
Acq: 31 Mar 2025 16:28

Tgt Ion:228 Resp: 70925
Ion Ratio Lower Upper
228 100
226 29.1 24.1 36.1
229 21.3 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142183.D

Acq: 31 Mar 2025 16:28

Instrument :

BNA_F

ClientSampleId :

RT3407DL2

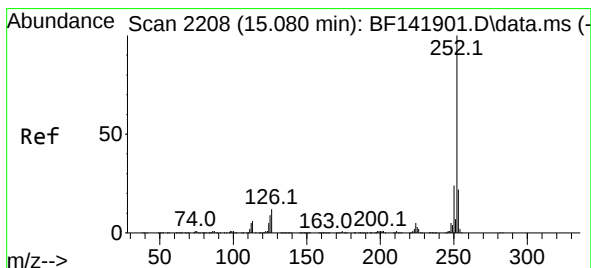
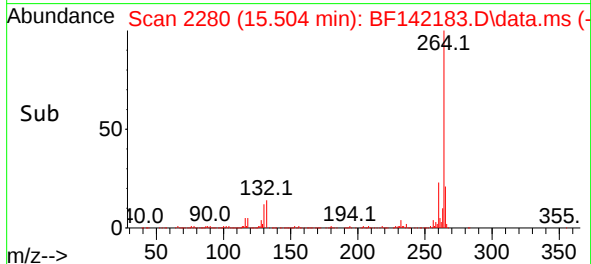
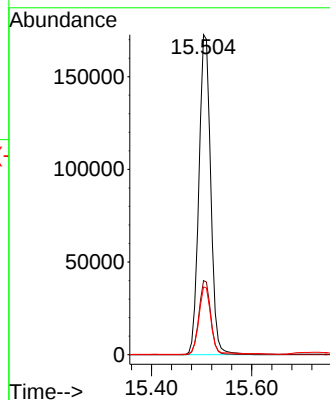
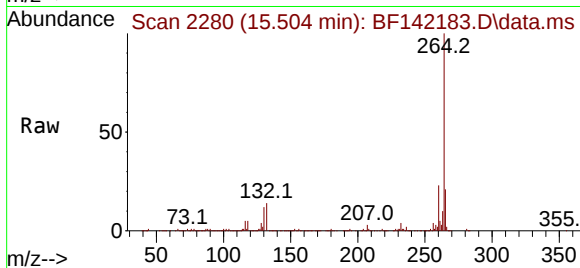
Tgt Ion:264 Resp: 281821

Ion Ratio Lower Upper

264 100

260 23.2 19.1 28.7

265 21.2 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 3.489 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF142183.D

Acq: 31 Mar 2025 16:28

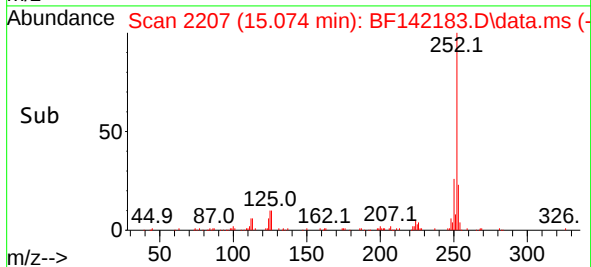
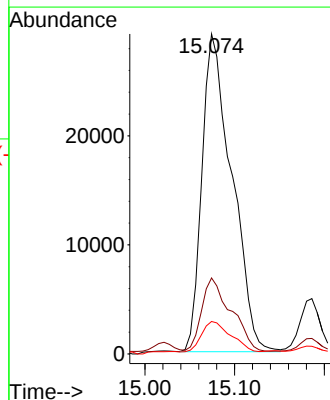
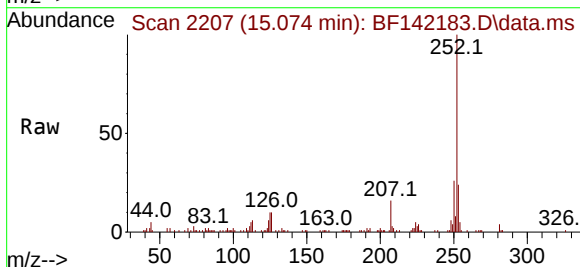
Tgt Ion:252 Resp: 67382

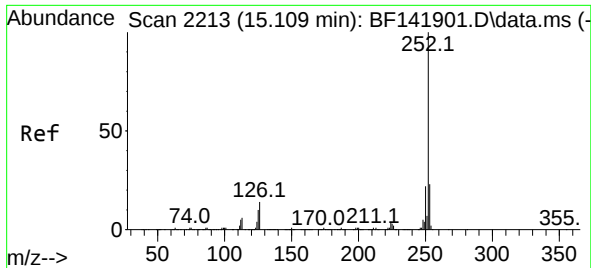
Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

125 10.2 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 4.077 ng

RT: 15.074 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF142183.D

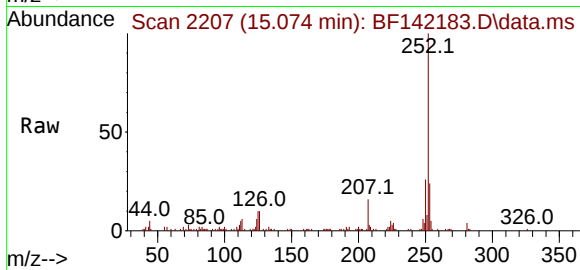
Acq: 31 Mar 2025 16:28

Instrument :

BNA_F

ClientSampleId :

RT3407DL2



Tgt Ion:252 Resp: 67382

Ion Ratio Lower Upper

252 100

253 23.7 17.7 26.5

125 10.2 7.2 10.8

