

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103124\
 Data File : BF140191.D
 Acq On : 31 Oct 2024 16:08
 Operator : RC/JU
 Sample : P4614-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-07-102924

Quant Time: Oct 31 20:06:40 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

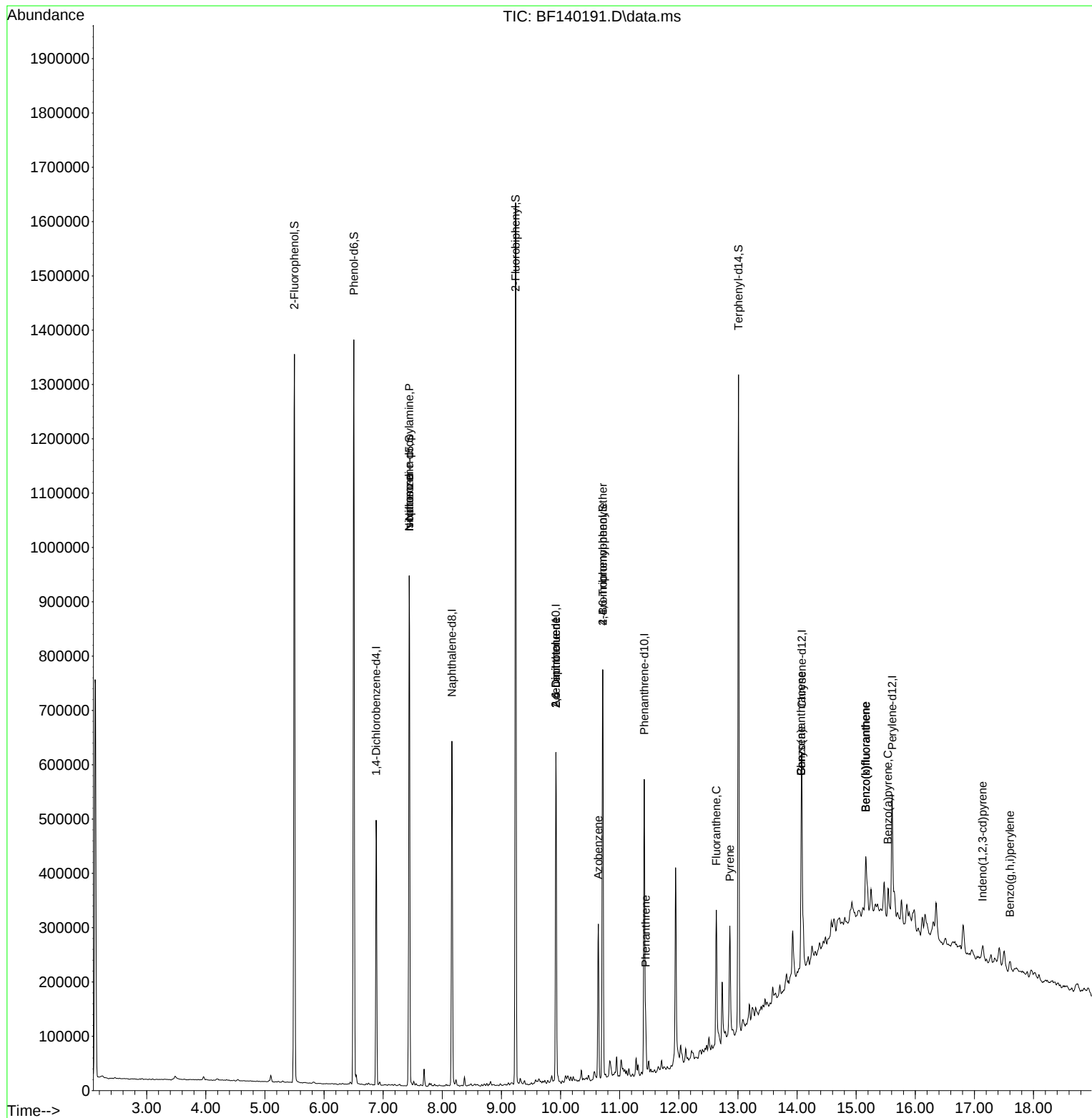
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	99102	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	365271	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	174703	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	278498	20.000	ng	0.00
76) Chrysene-d12	14.080	240	168316	20.000	ng	0.03
86) Perylene-d12	15.610	264	134244	20.000	ng	0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	478266	75.550	ng	0.00
7) Phenol-d6	6.504	99	608093	74.167	ng	0.00
23) Nitrobenzene-d5	7.440	82	401567	60.931	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	126966	77.697	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	680825	64.406	ng	-0.01
79) Terphenyl-d14	13.010	244	591556	57.269	ng	0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	54291	10.918	ng	# 77
25) Isophorone	7.440	82	399892	31.969	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	23043	9.780	ng	# 22
57) 2,4-Dinitrotoluene	9.922	165	23043	7.953	ng	# 21
63) Azobenzene	10.639	77	70583	6.231	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	8325	2.902	ng	# 1
71) Phenanthrene	11.439	178	54176	4.118	ng	100
75) Fluoranthene	12.633	202	135875	10.217	ng	99
78) Pyrene	12.863	202	113608	7.711	ng	98
81) Benzo(a)anthracene	14.069	228	55608	5.075	ng	97
83) Chrysene	14.069	228	55608	5.535	ng	96
87) Indeno(1,2,3-cd)pyrene	17.139	276	20961	2.427	ng	94
88) Benzo(b)fluoranthene	15.163	252	72059	8.812	ng	# 80
89) Benzo(k)fluoranthene	15.163	252	72059	10.218	ng	# 80
90) Benzo(a)pyrene	15.539	252	31331	4.656	ng	# 85
92) Benzo(g,h,i)perylene	17.604	276	21370	2.970	ng	# 91

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

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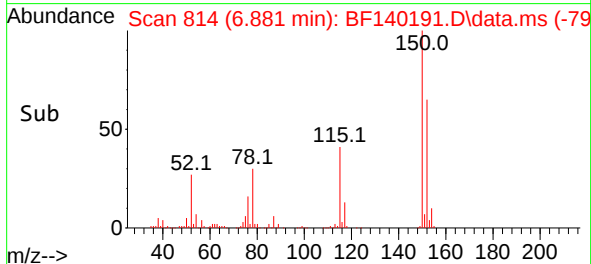
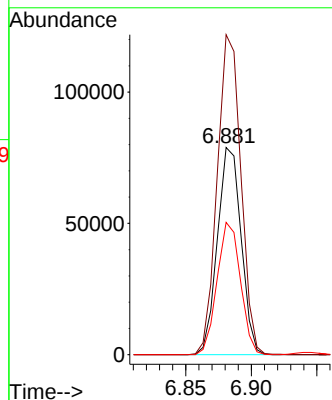
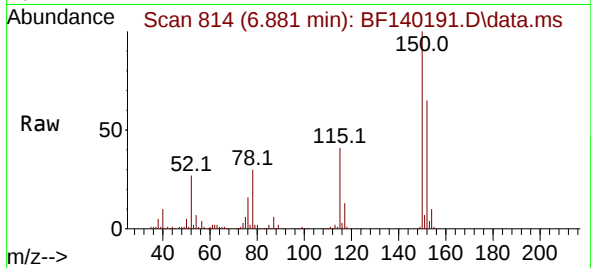




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 816
Delta R.T. -0.011 min
Lab File: BF140191.D
Acq: 31 Oct 2024 16:08

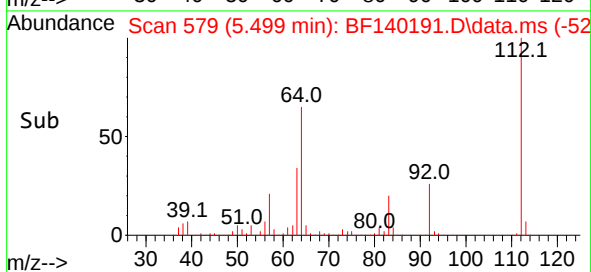
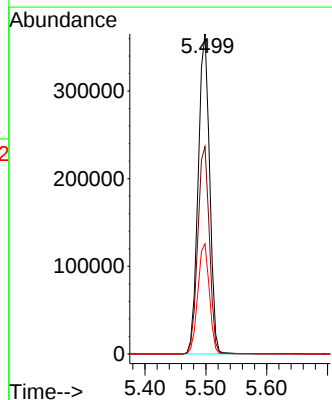
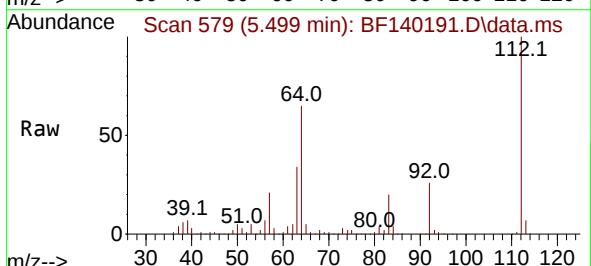
Instrument :
BNA_F
ClientSampleId :
NB-07-102924

Tgt Ion:152 Resp: 99102
Ion Ratio Lower Upper
152 100
150 154.4 130.2 195.2
115 63.9 51.4 77.2



#5
2-Fluorophenol
Concen: 75.550 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140191.D
Acq: 31 Oct 2024 16:08

Tgt Ion:112 Resp: 478266
Ion Ratio Lower Upper
112 100
64 64.8 53.0 79.6
63 34.4 27.0 40.4

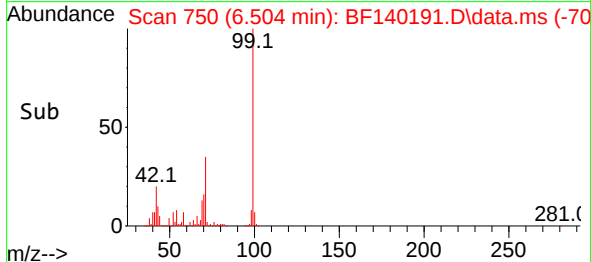
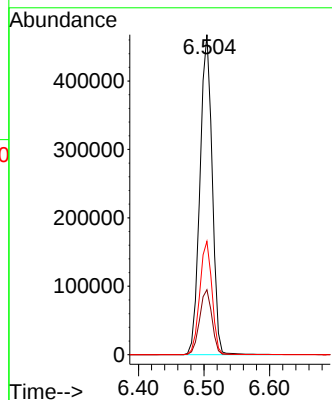
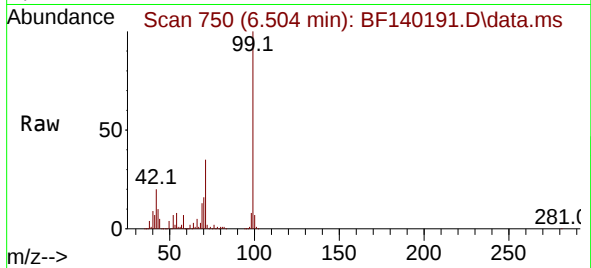




#7
Phenol-d6
Concen: 74.167 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140191.D
Acq: 31 Oct 2024 16:08

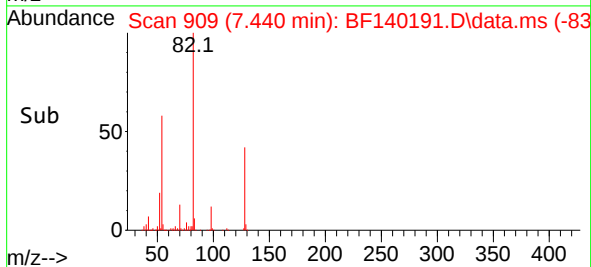
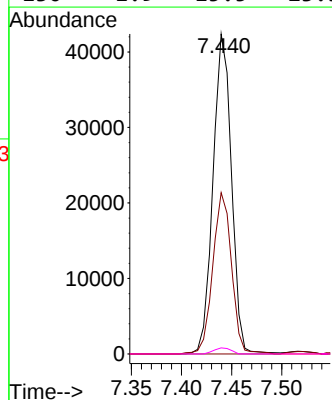
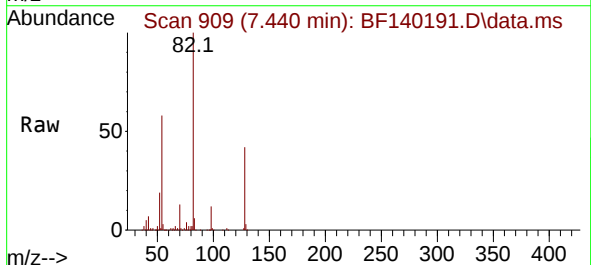
Instrument :
BNA_F
ClientSampleId :
NB-07-102924

Tgt Ion: 99 Resp: 608093
Ion Ratio Lower Upper
99 100
42 20.3 16.7 25.1
71 35.4 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 10.918 ng
RT: 7.440 min Scan# 909
Delta R.T. 0.135 min
Lab File: BF140191.D
Acq: 31 Oct 2024 16:08

Tgt Ion: 70 Resp: 54291
Ion Ratio Lower Upper
70 100
42 50.4 51.5 77.3#
101 0.0 7.5 11.3#
130 1.9 15.5 23.3#

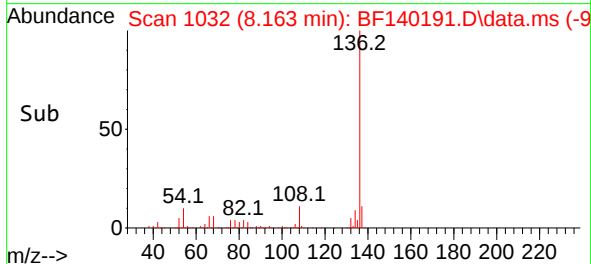
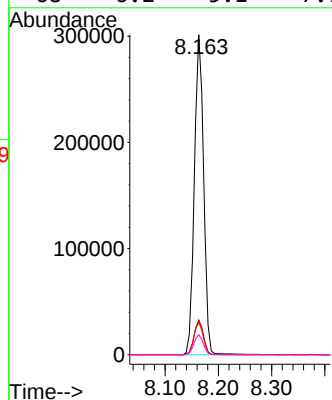
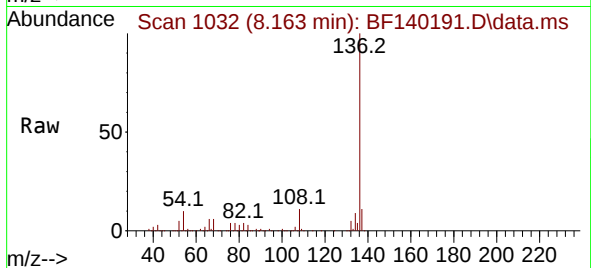




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140191.D
Acq: 31 Oct 2024 16:08

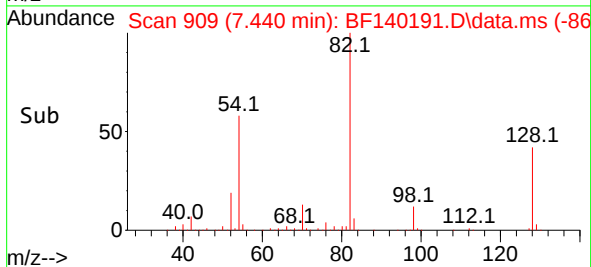
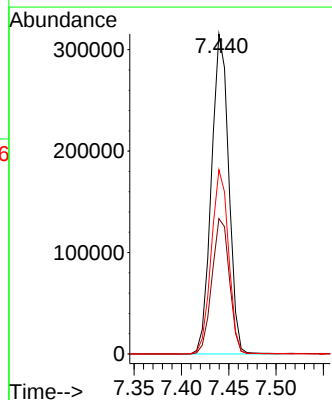
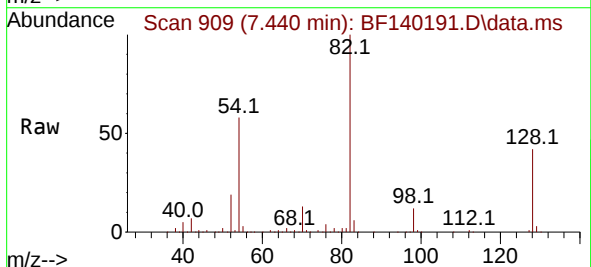
Instrument :
BNA_F
ClientSampleId :
NB-07-102924

Tgt Ion:136	Resp: 365271
Ion Ratio	Lower Upper
136 100	
137 10.9	8.6 12.8
54 10.1	8.4 12.6
68 6.2	5.1 7.7



#23
Nitrobenzene-d5
Concen: 60.931 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF140191.D
Acq: 31 Oct 2024 16:08

Tgt Ion: 82	Resp: 401567
Ion Ratio	Lower Upper
82 100	
128 42.3	33.4 50.0
54 57.6	47.8 71.8

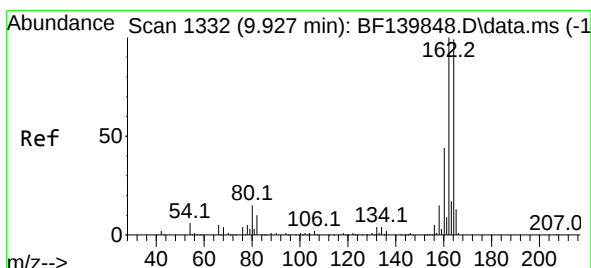
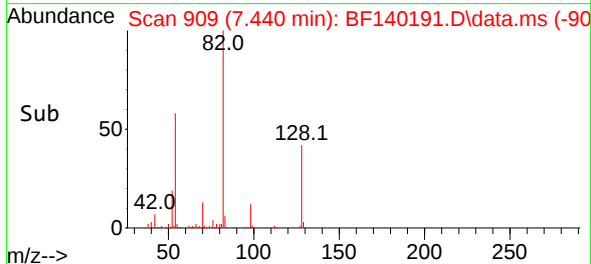
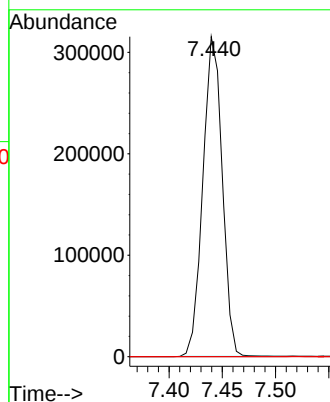
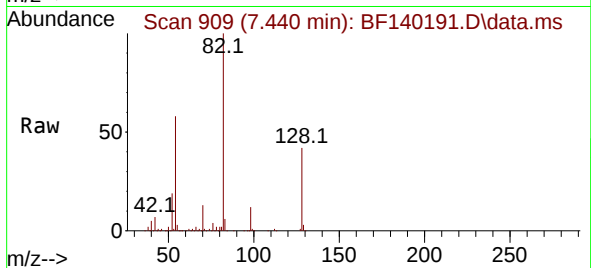




#25
Isophorone
Concen: 31.969 ng
RT: 7.440 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF140191.D
Acq: 31 Oct 2024 16:08

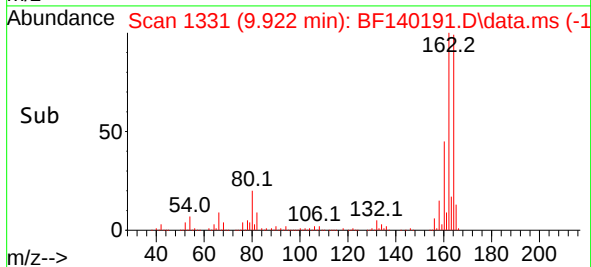
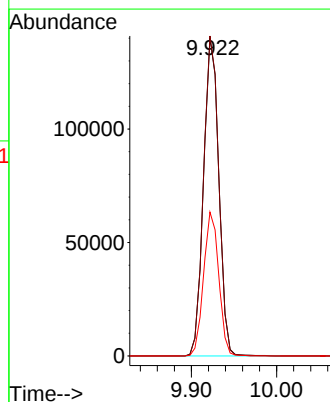
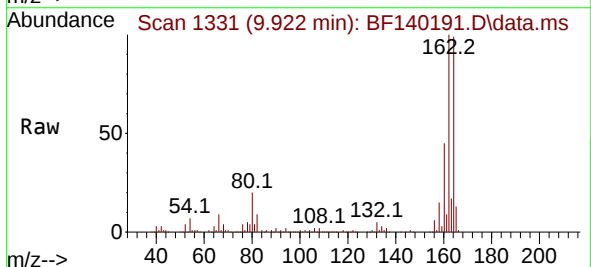
Instrument :
BNA_F
ClientSampleId :
NB-07-102924

Tgt Ion: 82 Resp: 399892
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140191.D
Acq: 31 Oct 2024 16:08

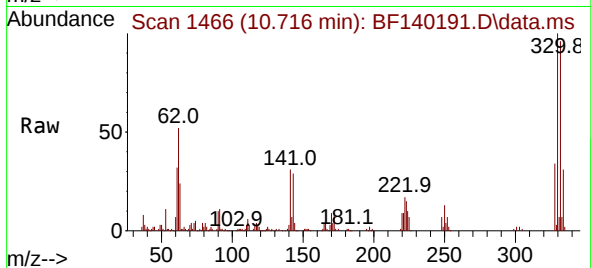
Tgt Ion: 164 Resp: 174703
Ion Ratio Lower Upper
164 100
162 100.6 81.0 121.4
160 45.3 35.4 53.0



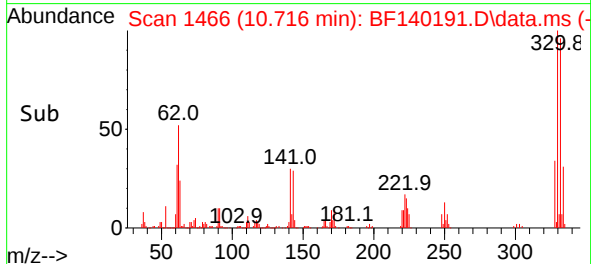
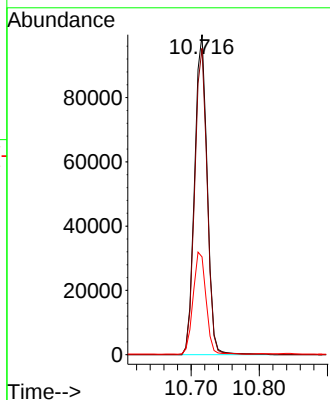


#42
2,4,6-Tribromophenol
Concen: 77.697 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF140191.D
Acq: 31 Oct 2024 16:08

Instrument :
BNA_F
ClientSampleId :
NB-07-102924

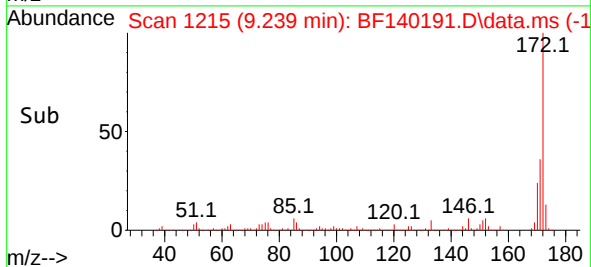
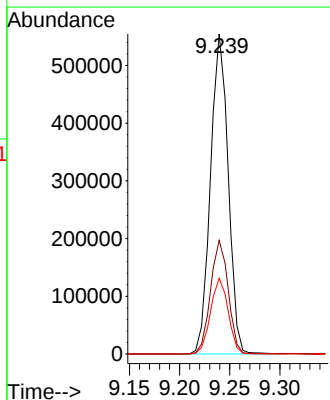
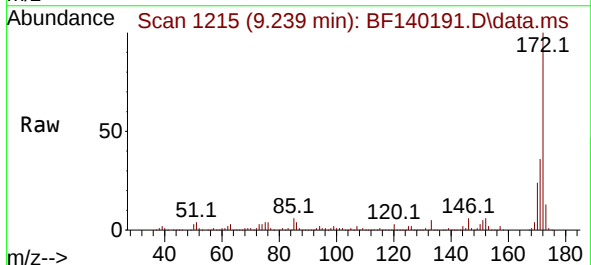


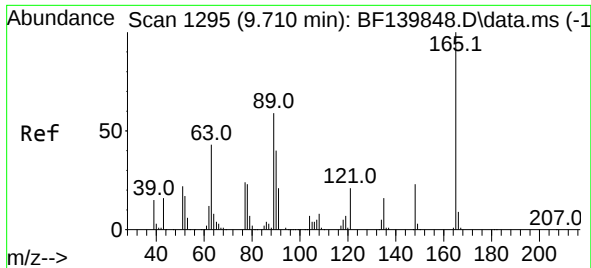
Tgt Ion:330 Resp: 126966
Ion Ratio Lower Upper
330 100
332 94.8 78.1 117.1
141 32.5 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 64.406 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF140191.D
Acq: 31 Oct 2024 16:08

Tgt Ion:172 Resp: 680825
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 23.6 19.1 28.7

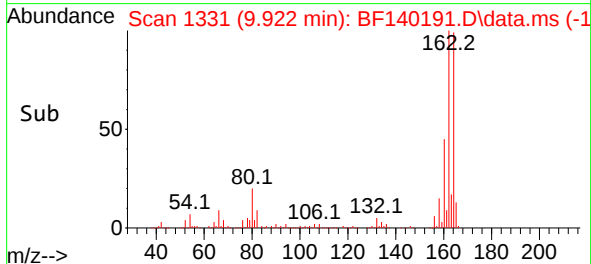
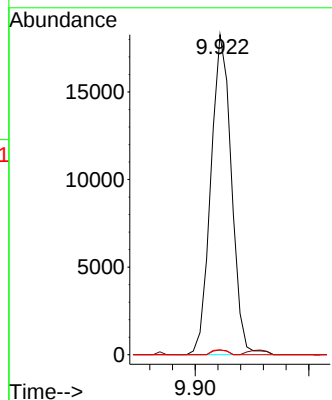
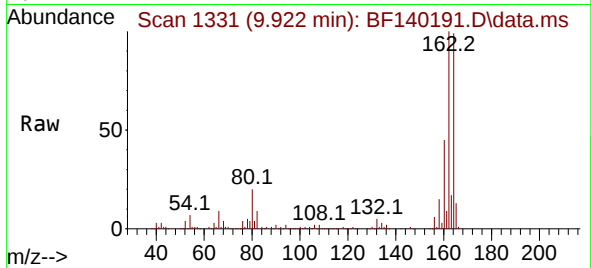




#51
2,6-Dinitrotoluene
Concen: 9.780 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF140191.D
Acq: 31 Oct 2024 16:08

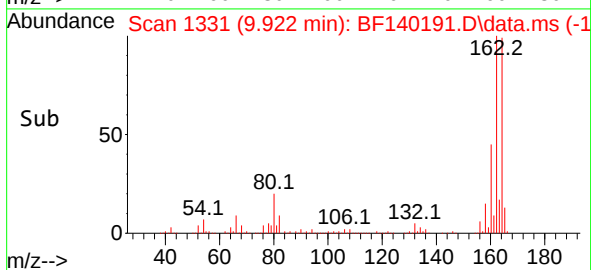
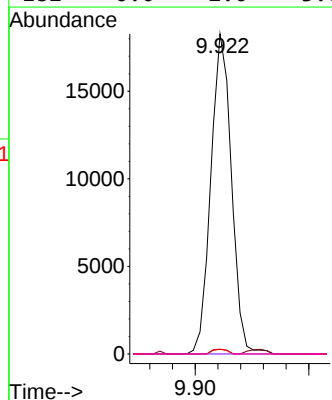
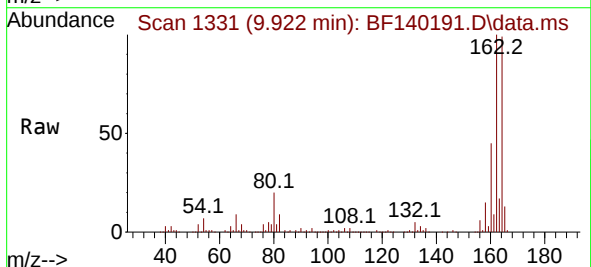
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ClientSampleId :
NB-07-102924

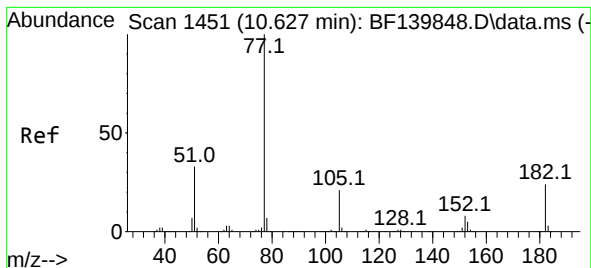
Tgt Ion:165 Resp: 23043
Ion Ratio Lower Upper
165 100
63 1.5 50.6 75.8#
89 1.5 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.953 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140191.D
Acq: 31 Oct 2024 16:08

Tgt Ion:165 Resp: 23043
Ion Ratio Lower Upper
165 100
63 1.5 40.1 60.1#
89 1.5 60.4 90.6#
182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 6.231 ng

RT: 10.639 min Scan# 1451

Delta R.T. 0.012 min

Lab File: BF140191.D

Acq: 31 Oct 2024 16:08

Instrument :

BNA_F

ClientSampleId :

NB-07-102924

Tgt Ion: 77 Resp: 70583

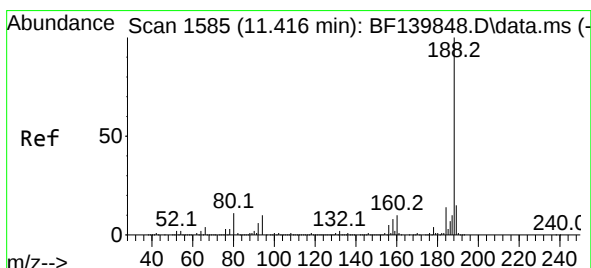
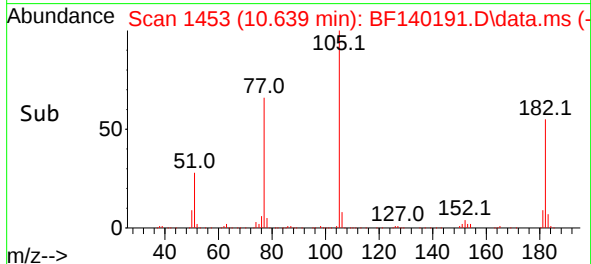
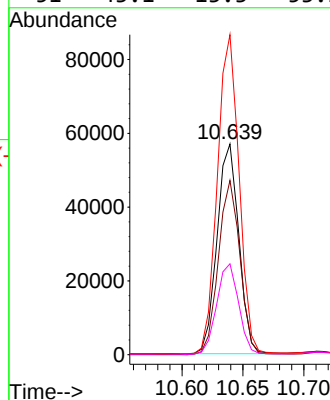
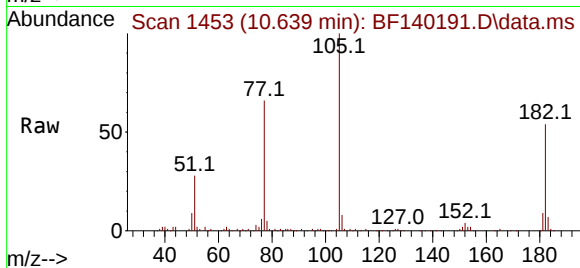
Ion Ratio Lower Upper

77 100

182 82.7 3.3 43.3#

105 151.9 1.2 41.2#

51 43.1 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1585

Delta R.T. 0.000 min

Lab File: BF140191.D

Acq: 31 Oct 2024 16:08

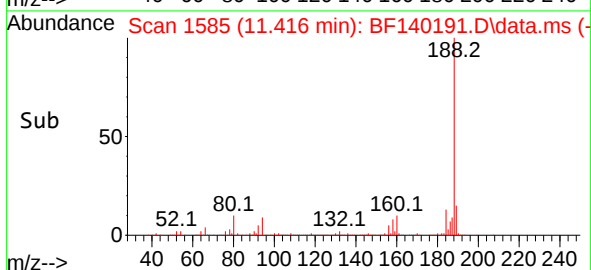
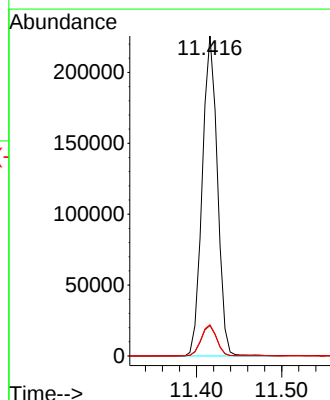
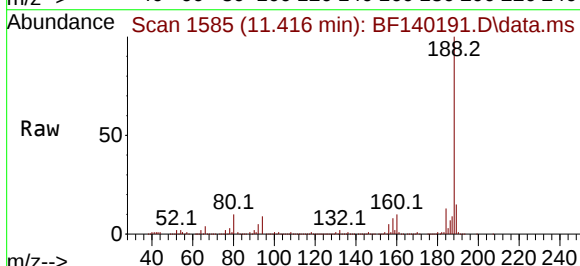
Tgt Ion: 188 Resp: 278498

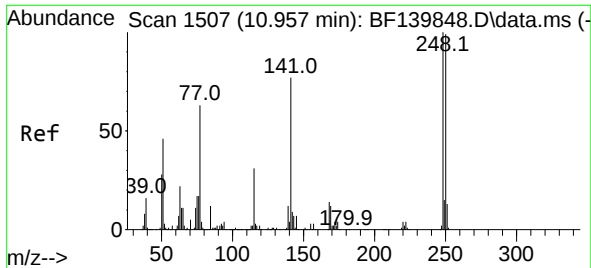
Ion Ratio Lower Upper

188 100

94 9.5 7.9 11.9

80 9.8 9.0 13.4

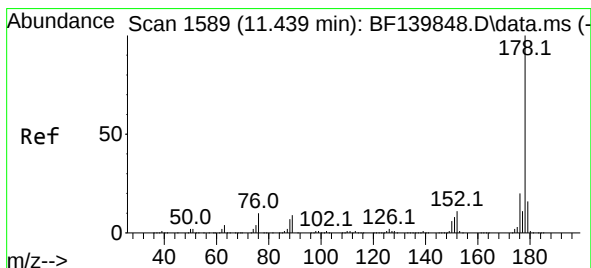
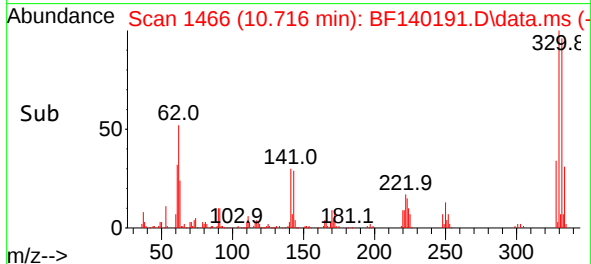
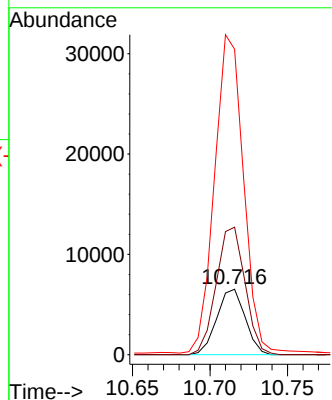
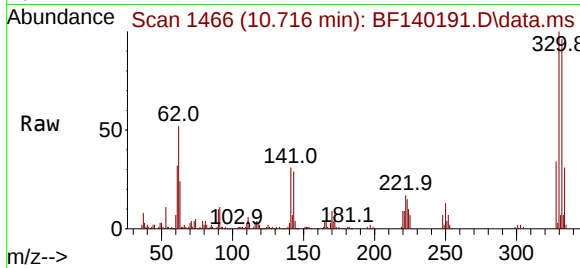




#67
4-Bromophenyl-phenylether
Concen: 2.902 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.241 min
Lab File: BF140191.D
Acq: 31 Oct 2024 16:08

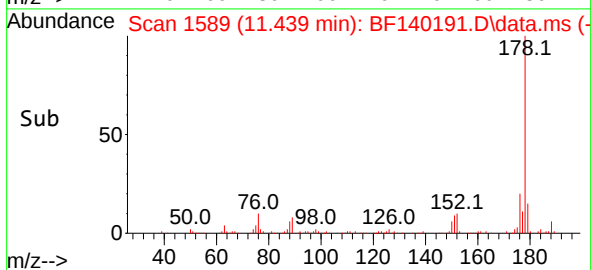
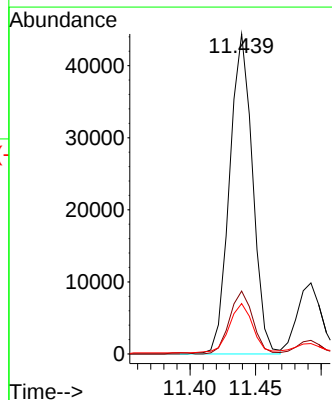
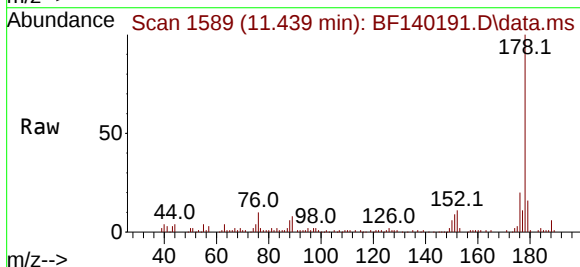
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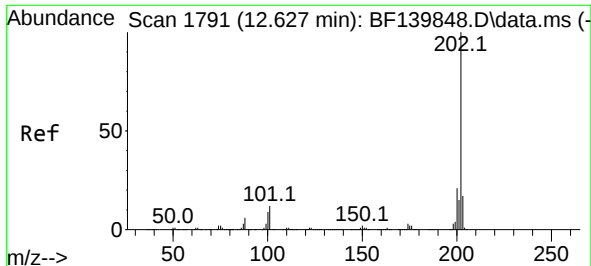
Tgt Ion:248 Resp: 8325
Ion Ratio Lower Upper
248 100
250 195.1 79.0 118.6#
141 467.2 61.7 92.5#



#71
Phenanthrene
Concen: 4.118 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF140191.D
Acq: 31 Oct 2024 16:08

Tgt Ion:178 Resp: 54176
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.6
179 15.7 12.6 18.8

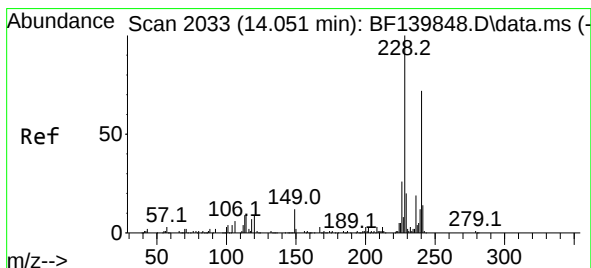
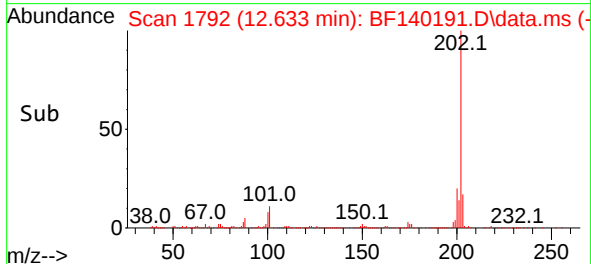
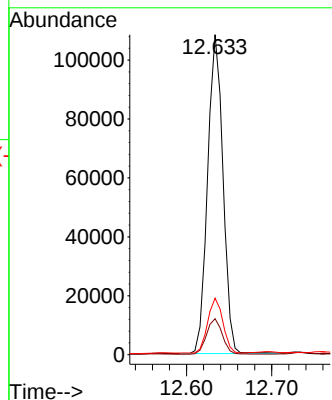
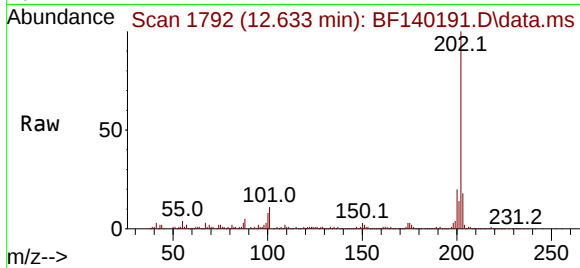




#75
Fluoranthene
Concen: 10.217 ng
RT: 12.633 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140191.D
Acq: 31 Oct 2024 16:08

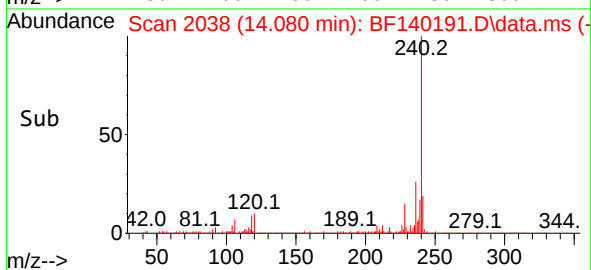
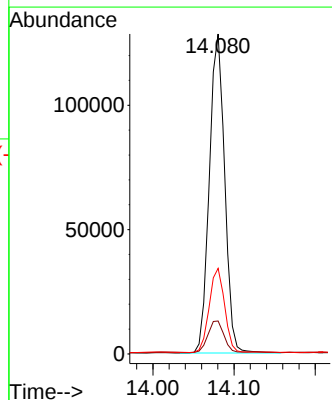
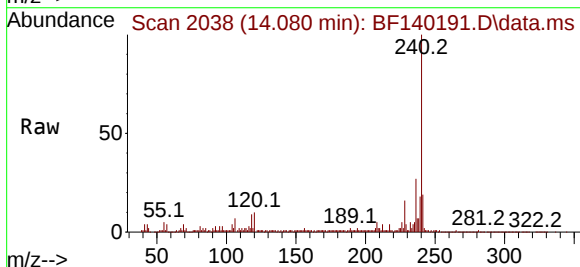
Instrument :
BNA_F
ClientSampleId :
NB-07-102924

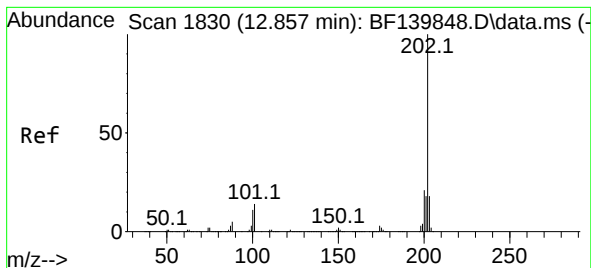
Tgt Ion:202 Resp: 135875
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.9
203 17.6 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2038
Delta R.T. 0.030 min
Lab File: BF140191.D
Acq: 31 Oct 2024 16:08

Tgt Ion:240 Resp: 168316
Ion Ratio Lower Upper
240 100
120 10.3 9.4 14.2
236 26.8 20.9 31.3





#78

Pyrene

Concen: 7.711 ng

RT: 12.863 min Scan# 1831

Delta R.T. 0.006 min

Lab File: BF140191.D

Acq: 31 Oct 2024 16:08

Instrument :

BNA_F

ClientSampleId :

NB-07-102924

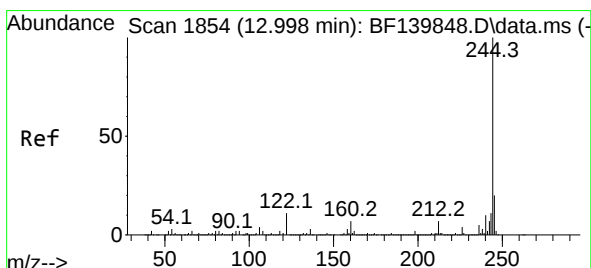
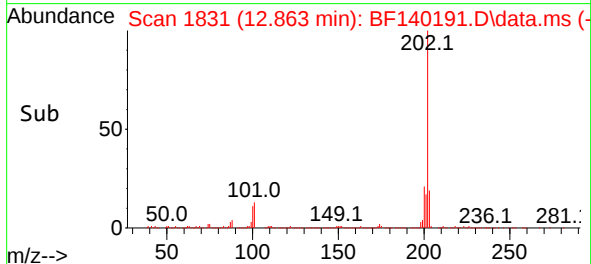
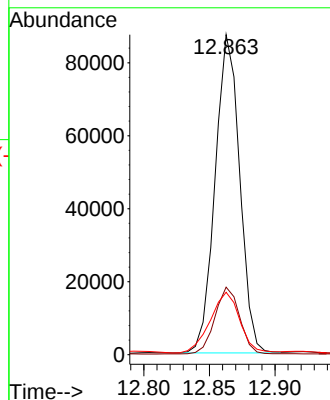
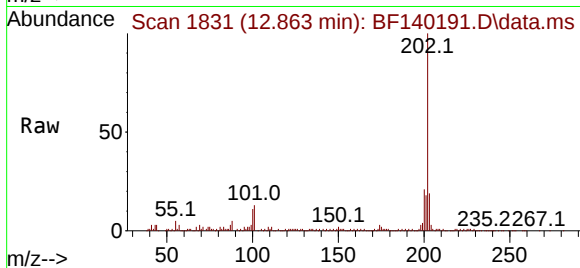
Tgt Ion:202 Resp: 113608

Ion Ratio Lower Upper

202 100

200 21.1 17.2 25.8

203 19.5 14.2 21.4



#79

Terphenyl-d14

Concen: 57.269 ng

RT: 13.010 min Scan# 1856

Delta R.T. 0.012 min

Lab File: BF140191.D

Acq: 31 Oct 2024 16:08

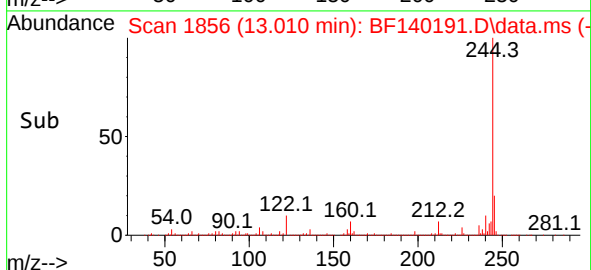
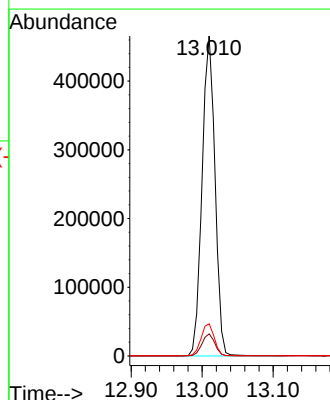
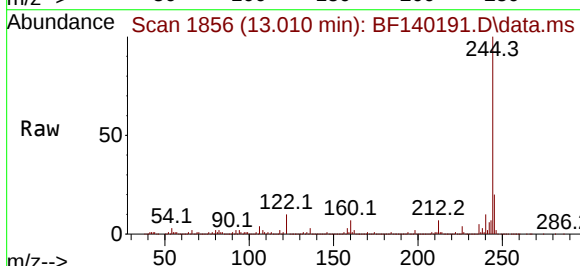
Tgt Ion:244 Resp: 591556

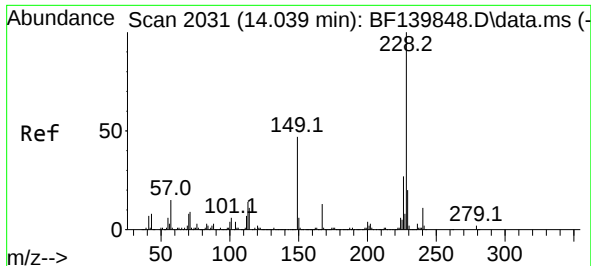
Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 10.1 8.6 13.0

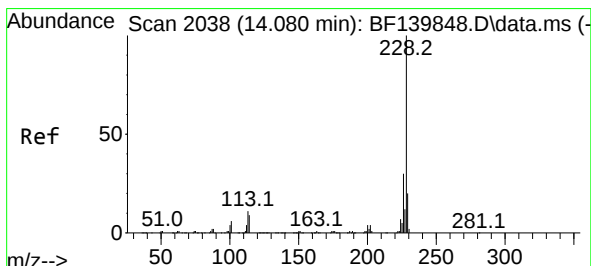
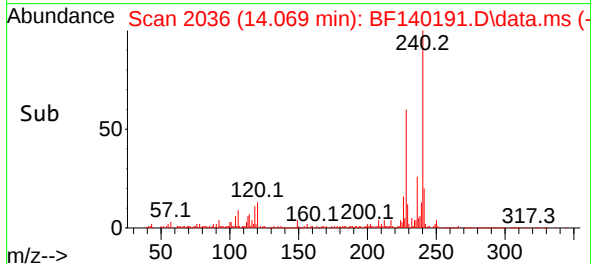
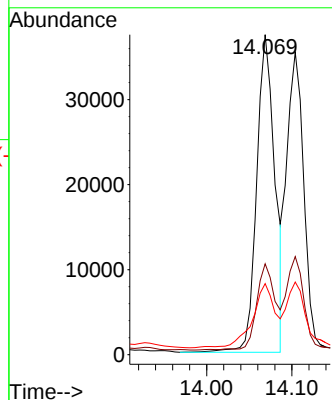
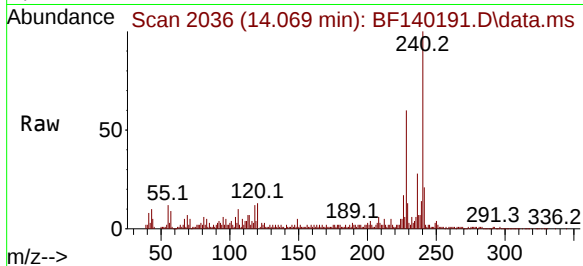




#81
Benzo(a)anthracene
Concen: 5.075 ng
RT: 14.069 min Scan# 2036
Delta R.T. 0.030 min
Lab File: BF140191.D
Acq: 31 Oct 2024 16:08

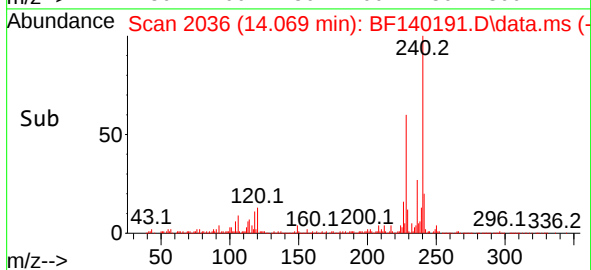
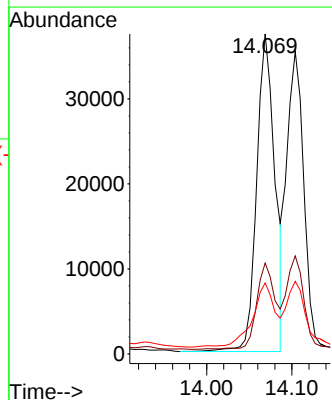
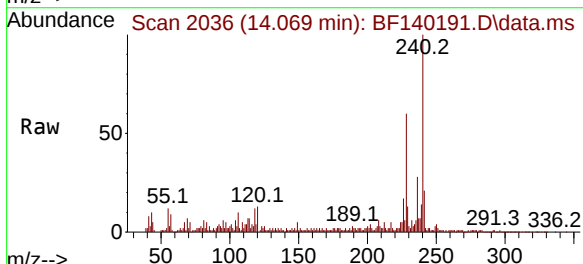
Instrument :
BNA_F
ClientSampleId :
NB-07-102924

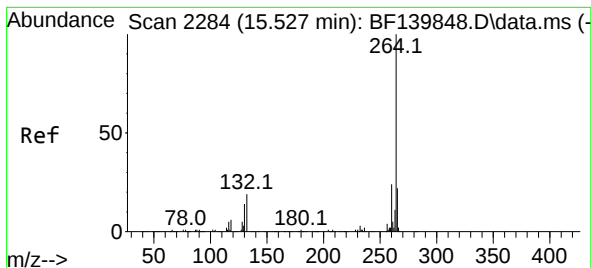
Tgt Ion:228 Resp: 55608
Ion Ratio Lower Upper
228 100
226 28.4 21.6 32.4
229 22.2 16.1 24.1



#83
Chrysene
Concen: 5.535 ng
RT: 14.069 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF140191.D
Acq: 31 Oct 2024 16:08

Tgt Ion:228 Resp: 55608
Ion Ratio Lower Upper
228 100
226 28.4 24.1 36.1
229 22.2 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.610 min Scan# 21

Delta R.T. 0.083 min

Lab File: BF140191.D

Acq: 31 Oct 2024 16:08

Instrument :

BNA_F

ClientSampleId :

NB-07-102924

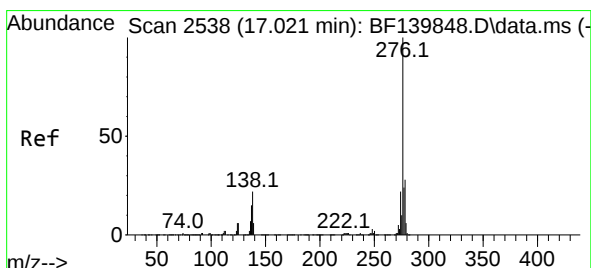
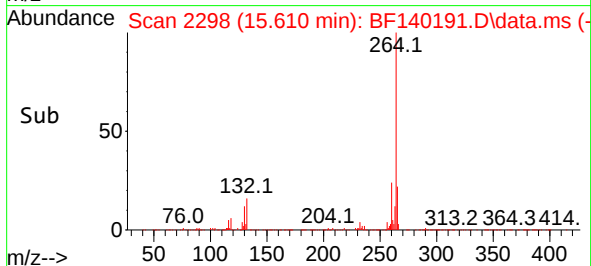
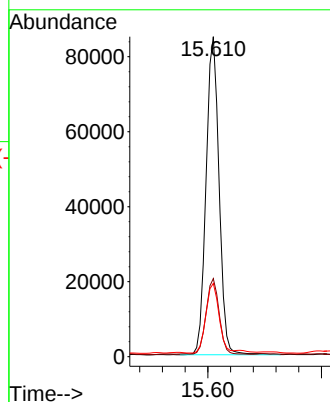
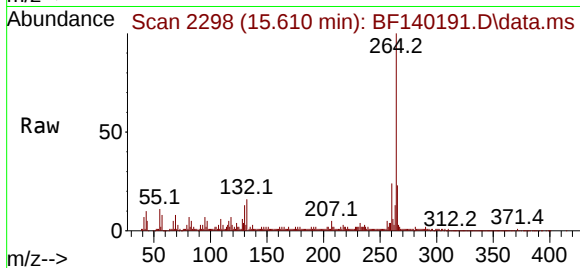
Tgt Ion:264 Resp: 134244

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.2

265 22.9 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.427 ng

RT: 17.139 min Scan# 2558

Delta R.T. 0.118 min

Lab File: BF140191.D

Acq: 31 Oct 2024 16:08

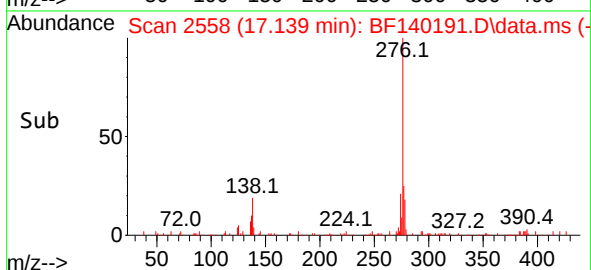
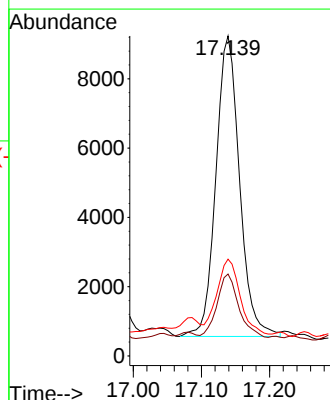
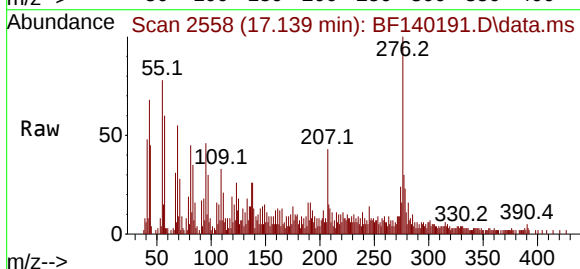
Tgt Ion:276 Resp: 20961

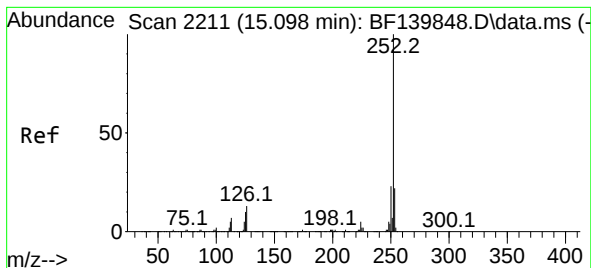
Ion Ratio Lower Upper

276 100

138 21.2 20.4 30.6

277 24.0 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 8.812 ng

RT: 15.163 min Scan# 21

Delta R.T. 0.065 min

Lab File: BF140191.D

Acq: 31 Oct 2024 16:08

Instrument :

BNA_F

ClientSampleId :

NB-07-102924

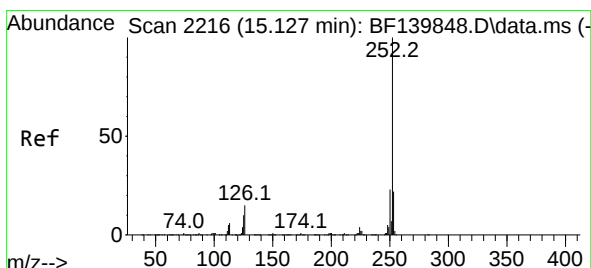
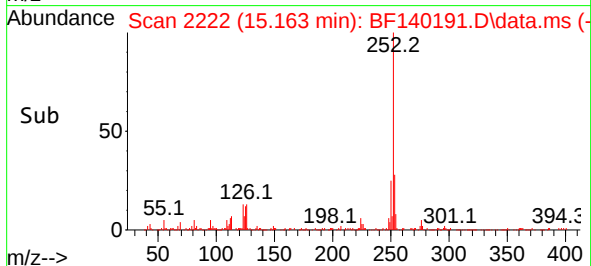
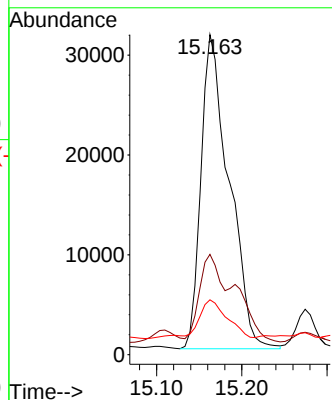
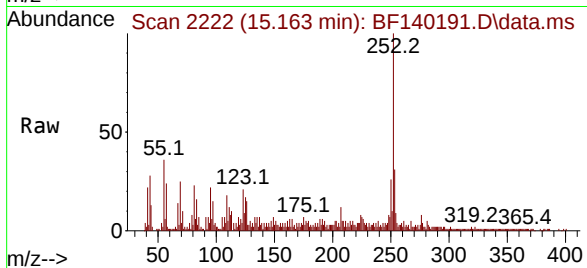
Tgt Ion:252 Resp: 72059

Ion Ratio Lower Upper

252 100

253 31.3 17.6 26.4#

125 17.1 7.9 11.9#



#89

Benzo(k)fluoranthene

Concen: 10.218 ng

RT: 15.163 min Scan# 2222

Delta R.T. 0.035 min

Lab File: BF140191.D

Acq: 31 Oct 2024 16:08

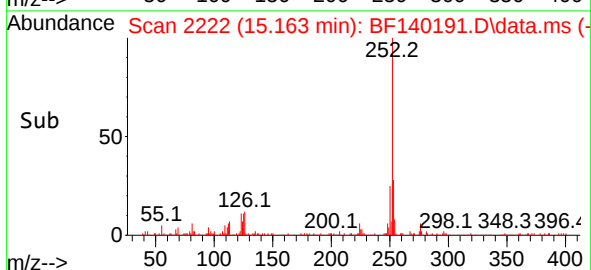
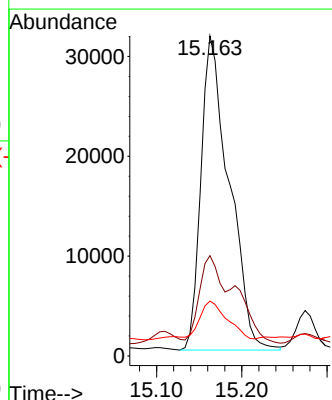
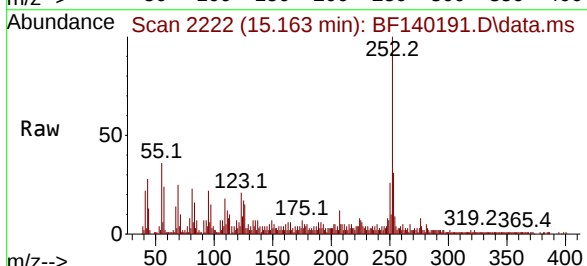
Tgt Ion:252 Resp: 72059

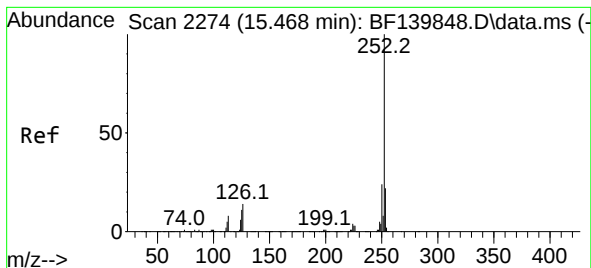
Ion Ratio Lower Upper

252 100

253 31.3 17.6 26.4#

125 17.1 7.9 11.9#





#90

Benzo(a)pyrene

Concen: 4.656 ng

RT: 15.539 min Scan# 21

Delta R.T. 0.071 min

Lab File: BF140191.D

Acq: 31 Oct 2024 16:08

Instrument :

BNA_F

ClientSampleId :

NB-07-102924

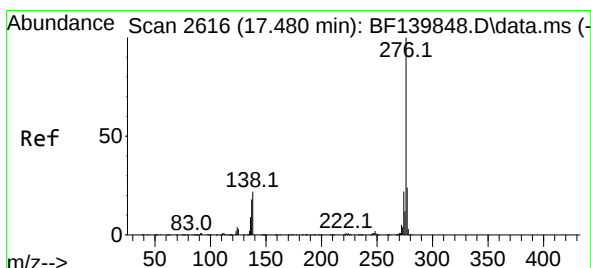
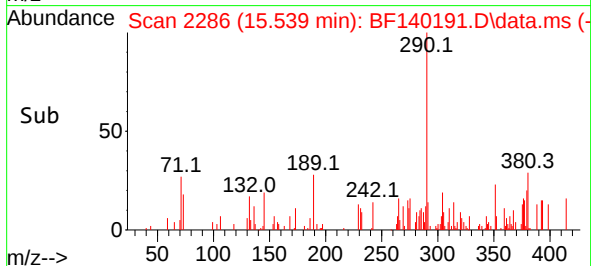
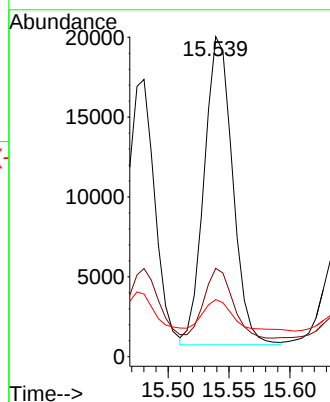
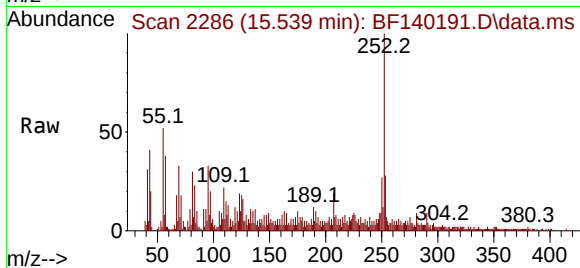
Tgt Ion:252 Resp: 31331

Ion Ratio Lower Upper

252 100

253 27.6 17.3 25.9#

125 17.8 8.7 13.1#



#92

Benzo(g,h,i)perylene

Concen: 2.970 ng

RT: 17.604 min Scan# 2637

Delta R.T. 0.124 min

Lab File: BF140191.D

Acq: 31 Oct 2024 16:08

Tgt Ion:276 Resp: 21370

Ion Ratio Lower Upper

276 100

277 30.7 19.0 28.6#

138 23.8 17.4 26.0

