

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
 Data File : BF141545.D
 Acq On : 10 Feb 2025 19:53
 Operator : RC/JU
 Sample : Q1215-07DL 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-29.2-012825DL

Quant Time: Feb 11 00:08:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

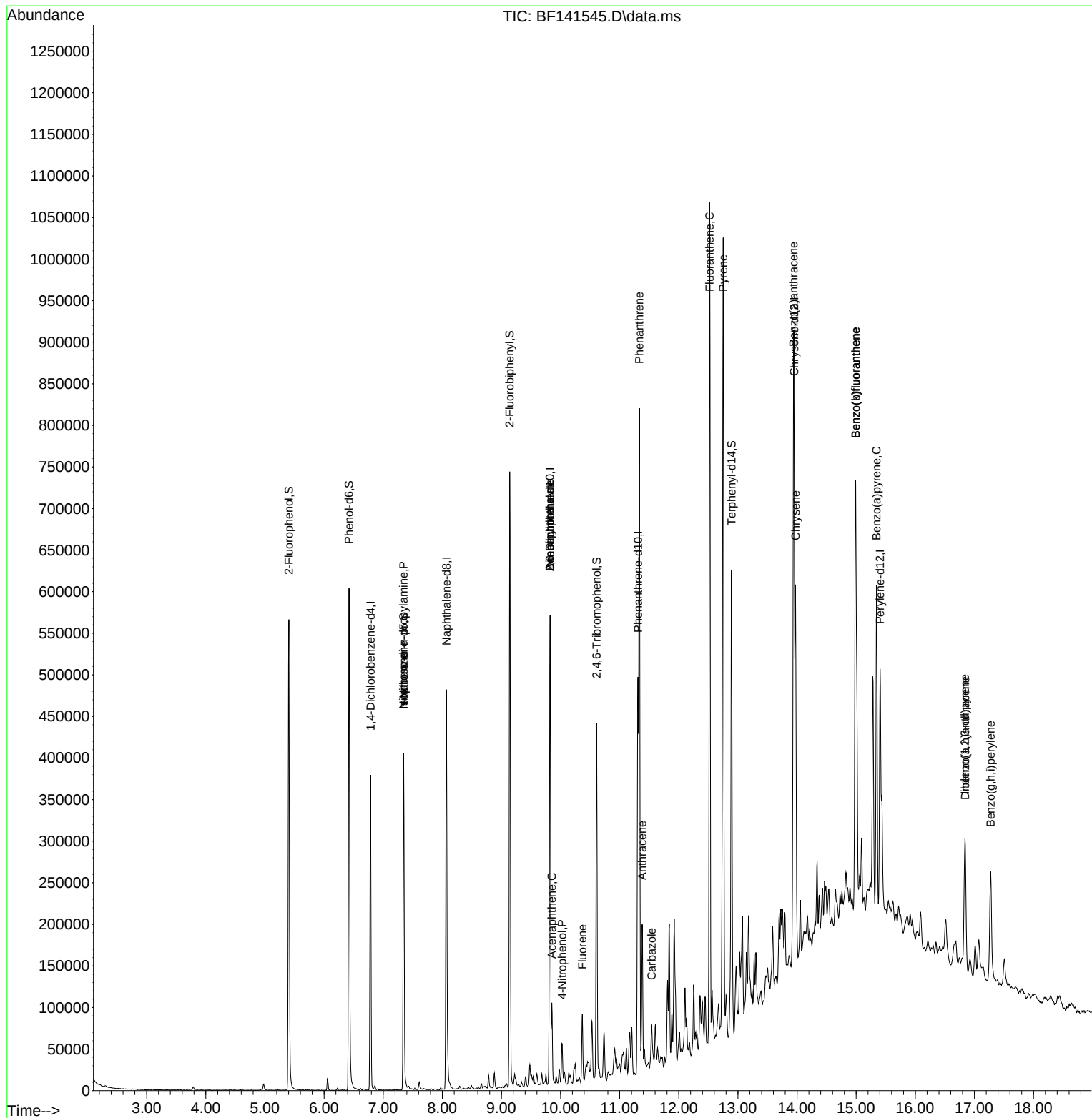
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	77252	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	310103	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	166362	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	240844	20.000	ng	0.00
76) Chrysene-d12	13.951	240	179683	20.000	ng	-0.01
86) Perylene-d12	15.404	264	169289	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	211354	42.892	ng	0.00
7) Phenol-d6	6.422	99	266723	42.826	ng	-0.02
23) Nitrobenzene-d5	7.345	82	176141	29.626	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	61418	36.751	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	325856	30.177	ng	-0.01
79) Terphenyl-d14	12.892	244	259311	24.363	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	22933	6.156	ng	# 79
25) Isophorone	7.345	82	167979	17.720	ng	# 66
50) Dimethylphthalate	9.822	163	25597	2.266	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	22166	8.978	ng	# 23
52) Acenaphthene	9.851	154	29321	3.074	ng	99
56) 4-Nitrophenol	10.028	139	9164	4.646	ng	# 5
58) Fluorene	10.369	166	28839	2.664	ng	98
71) Phenanthrene	11.333	178	419558	31.647	ng	100
72) Anthracene	11.380	178	101273	7.599	ng	99
73) Carbazole	11.539	167	24145	2.014	ng	97
75) Fluoranthene	12.522	202	558824	39.759	ng	99
78) Pyrene	12.751	202	544240	35.581	ng	99
81) Benzo(a)anthracene	13.939	228	290751	24.343	ng	98
83) Chrysene	13.974	228	236762	21.468	ng	98
87) Indeno(1,2,3-cd)pyrene	16.839	276	117168	11.201	ng	96
88) Benzo(b)fluoranthene	14.992	252	442972	38.970	ng	98
89) Benzo(k)fluoranthene	14.992	252	442972	45.637	ng	99
90) Benzo(a)pyrene	15.345	252	237008	25.768	ng	97
91) Dibenzo(a,h)anthracene	16.845	278	28891	3.409	ng	# 78
92) Benzo(g,h,i)perylene	17.274	276	117125	13.205	ng	100

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

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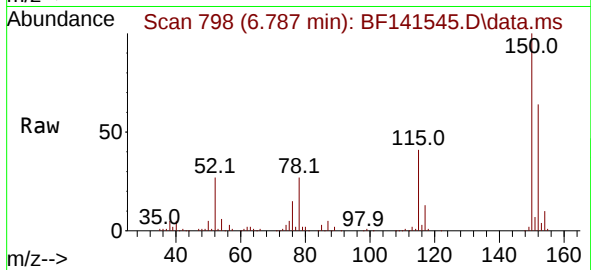
Quant Time: Feb 11 00:08:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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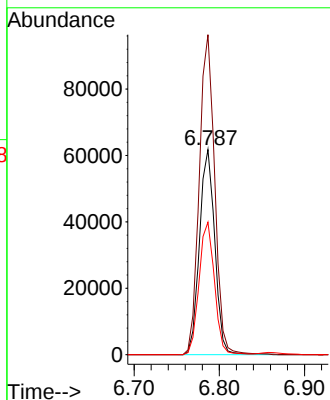
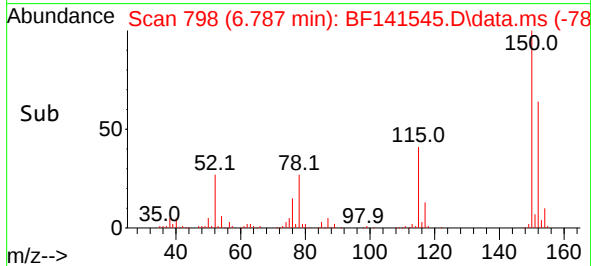


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 798
 Delta R.T. -0.005 min
 Lab File: BF141545.D
 Acq: 10 Feb 2025 19:53

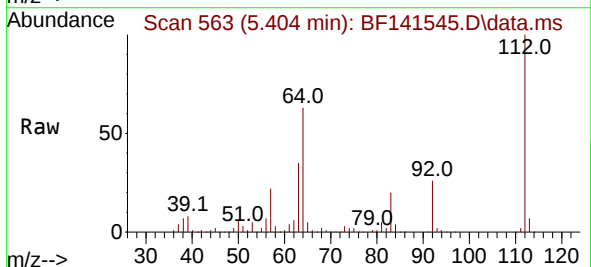
Instrument :
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 ClientSampleId :
 JPP-29.2-012825DL



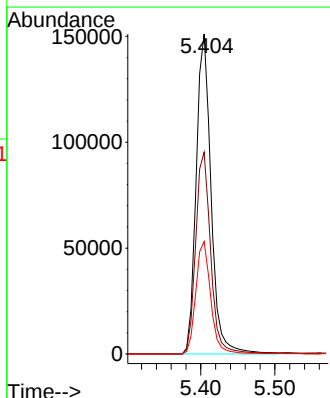
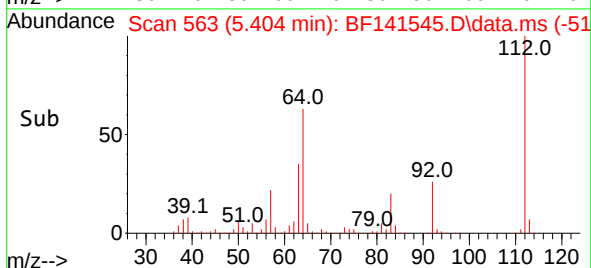
Tgt Ion:152 Resp: 77252
 Ion Ratio Lower Upper
 152 100
 150 156.0 125.0 187.4
 115 64.6 53.6 80.4



#5
 2-Fluorophenol
 Concen: 42.892 ng
 RT: 5.404 min Scan# 563
 Delta R.T. -0.006 min
 Lab File: BF141545.D
 Acq: 10 Feb 2025 19:53



Tgt Ion:112 Resp: 211354
 Ion Ratio Lower Upper
 112 100
 64 63.0 51.1 76.7
 63 35.1 28.4 42.6

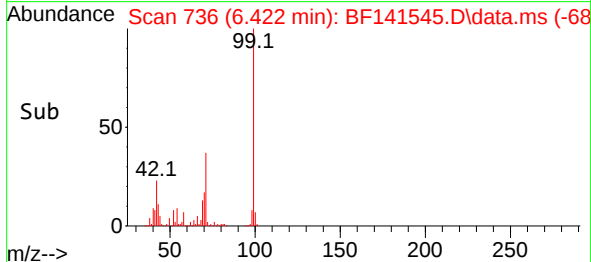
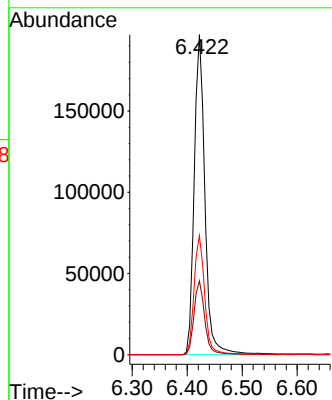
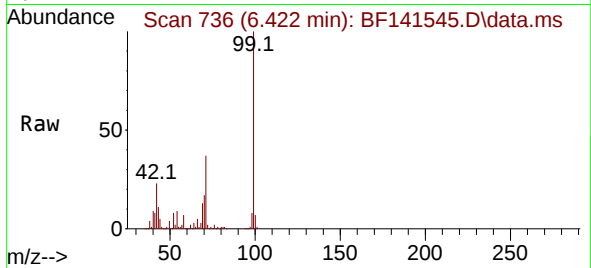




#7
Phenol-d6
Concen: 42.826 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

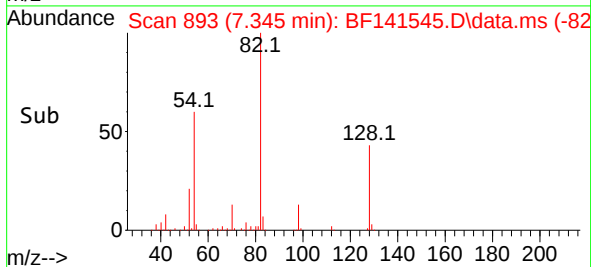
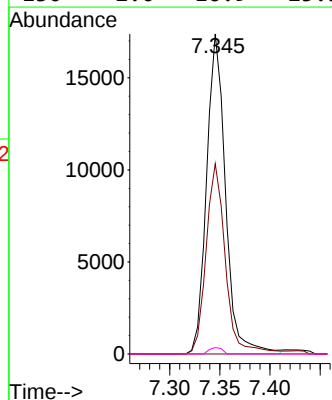
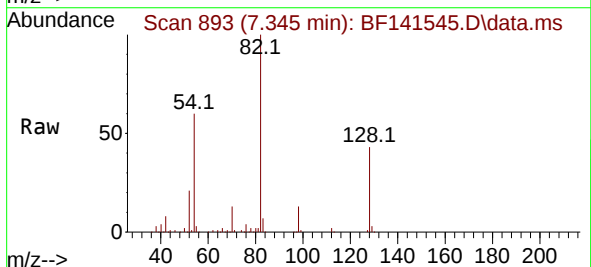
Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825DL

Tgt Ion: 99 Resp: 266723
Ion Ratio Lower Upper
99 100
42 23.0 19.1 28.7
71 37.2 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 6.156 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

Tgt Ion: 70 Resp: 22933
Ion Ratio Lower Upper
70 100
42 59.5 57.4 86.2
101 0.0 8.0 12.0#
130 2.0 16.9 25.3#

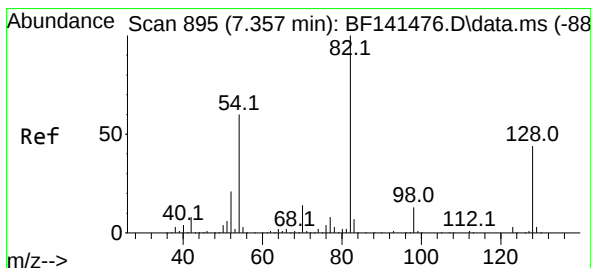
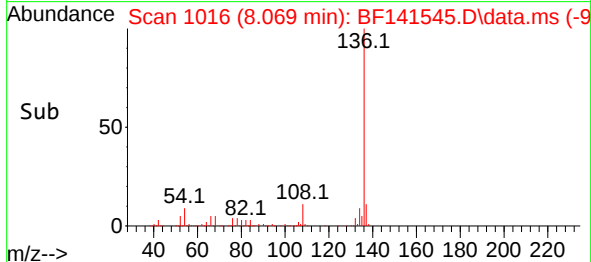
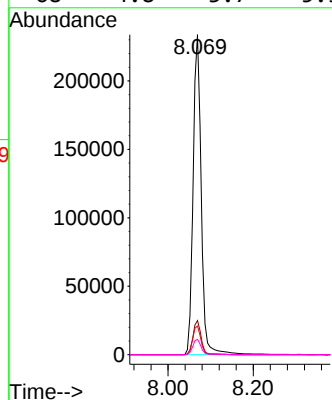
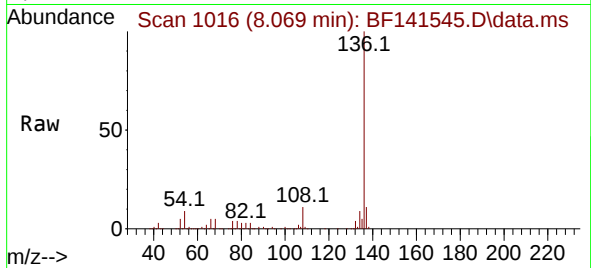




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

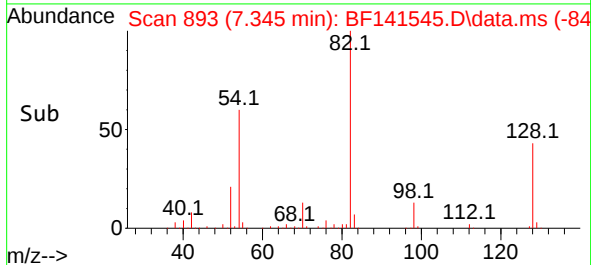
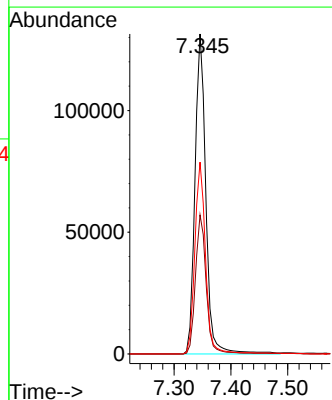
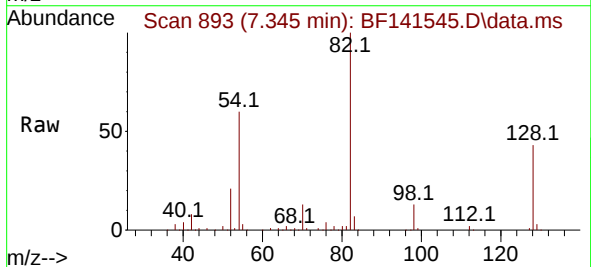
Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825DL

Tgt Ion:136 Resp: 310103
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.9 7.2 10.8
68 4.8 3.7 5.5



#23
Nitrobenzene-d5
Concen: 29.626 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.017 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

Tgt Ion: 82 Resp: 176141
Ion Ratio Lower Upper
82 100
128 43.5 34.8 52.2
54 60.0 48.2 72.4

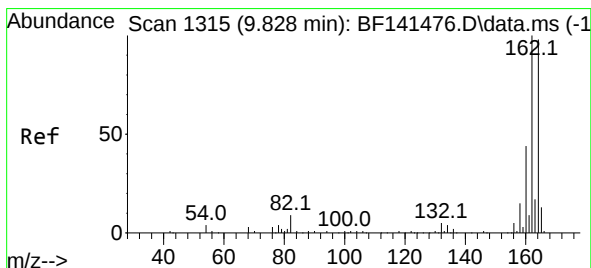
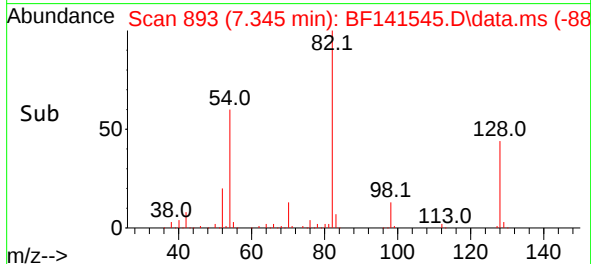
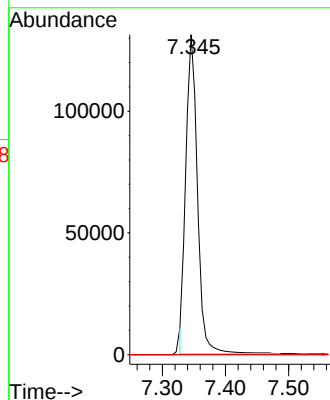
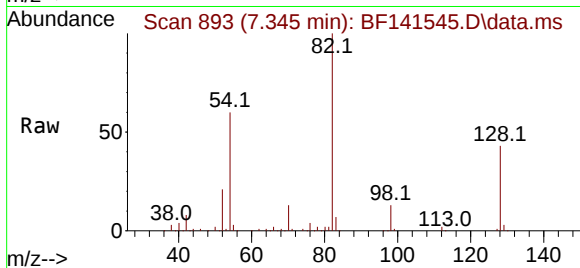




#25
Isophorone
Concen: 17.720 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

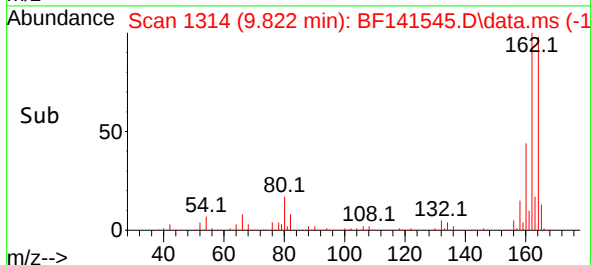
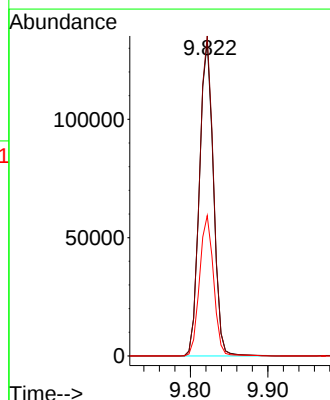
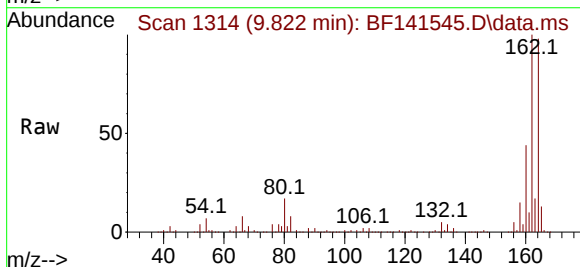
Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825DL

Tgt Ion: 82 Resp: 167979
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

Tgt Ion:164 Resp: 166362
Ion Ratio Lower Upper
164 100
162 101.8 81.3 121.9
160 44.6 35.9 53.9

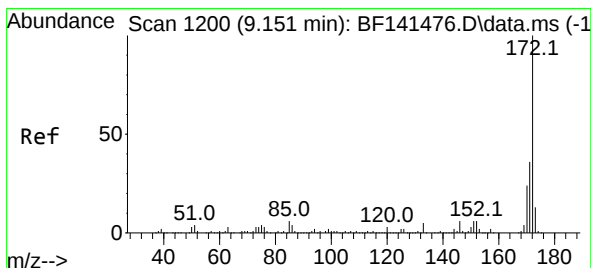
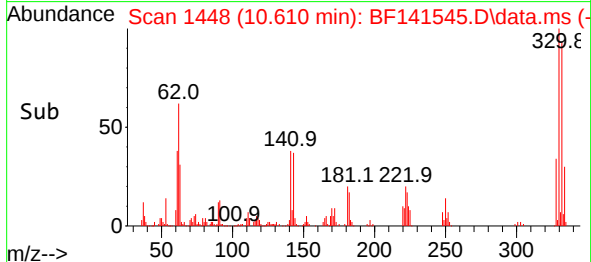
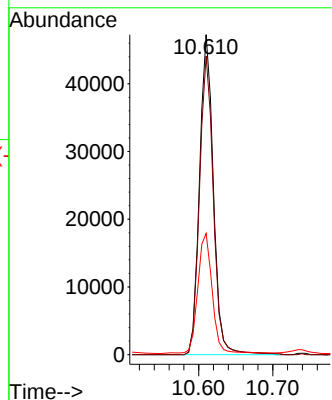
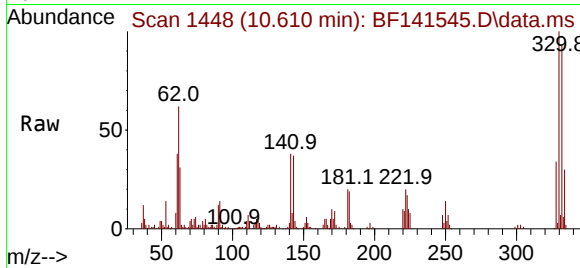




#42
 2,4,6-Tribromophenol
 Concen: 36.751 ng
 RT: 10.610 min Scan# 1450
 Delta R.T. -0.017 min
 Lab File: BF141545.D
 Acq: 10 Feb 2025 19:53

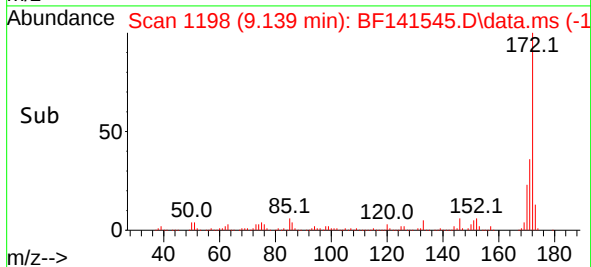
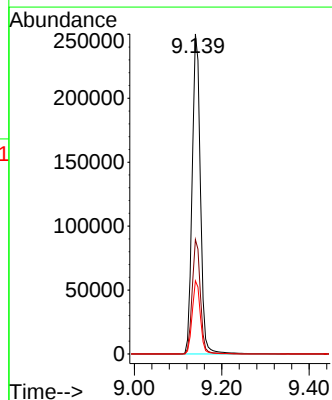
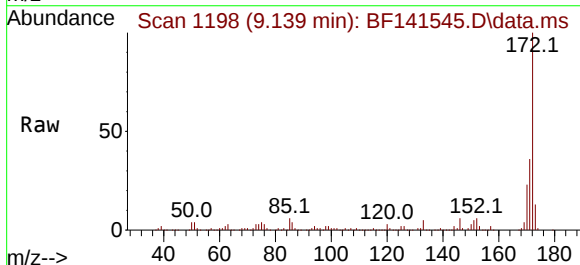
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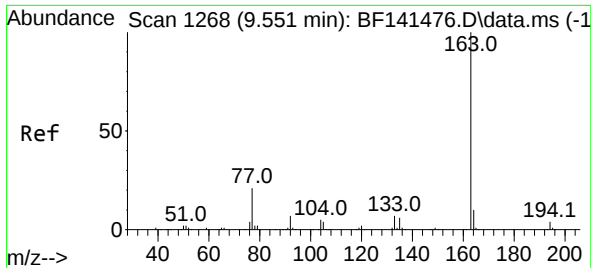
Tgt Ion: 330 Resp: 61418
 Ion Ratio Lower Upper
 330 100
 332 93.7 78.5 117.7
 141 39.4 31.0 46.4



#45
 2-Fluorobiphenyl
 Concen: 30.177 ng
 RT: 9.139 min Scan# 1198
 Delta R.T. -0.012 min
 Lab File: BF141545.D
 Acq: 10 Feb 2025 19:53

Tgt Ion: 172 Resp: 325856
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.7 43.1
 170 22.9 18.9 28.3

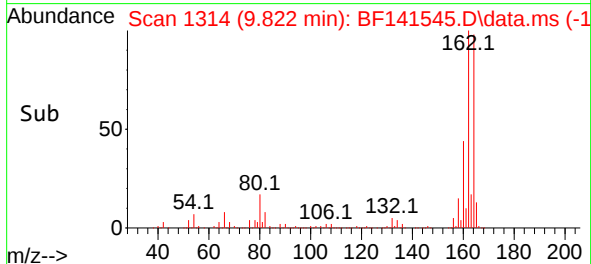
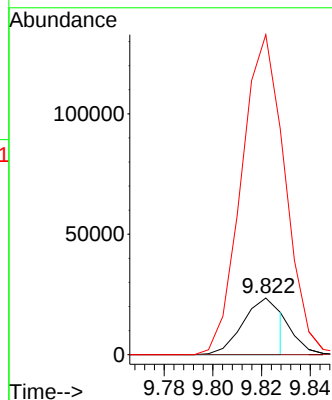
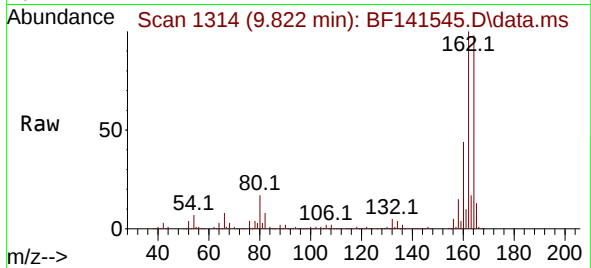




#50
Dimethylphthalate
Concen: 2.266 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

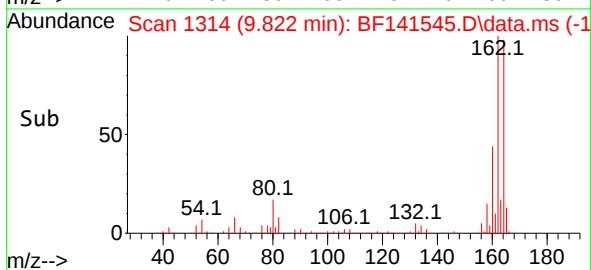
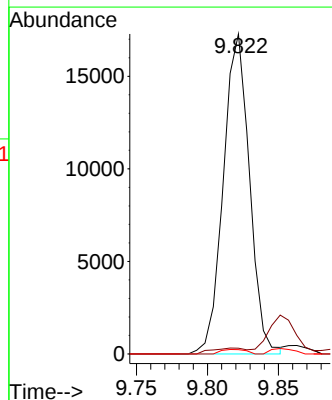
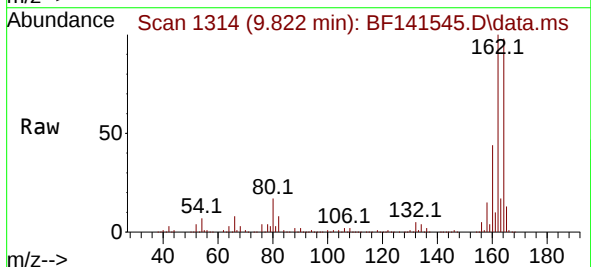
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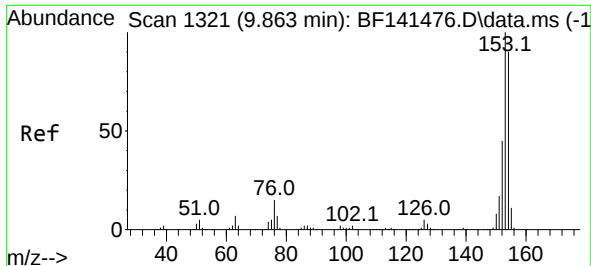
Tgt Ion:163 Resp: 25597
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 565.3 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 8.978 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.200 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

Tgt Ion:165 Resp: 22166
Ion Ratio Lower Upper
165 100
63 1.8 49.4 74.0#
89 1.4 46.5 69.7#

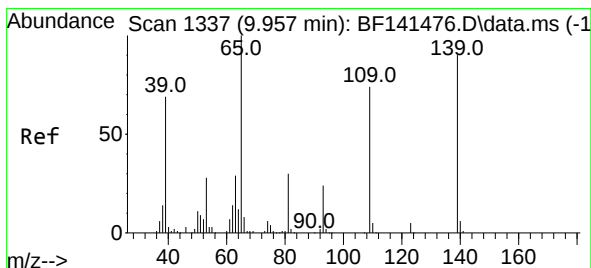
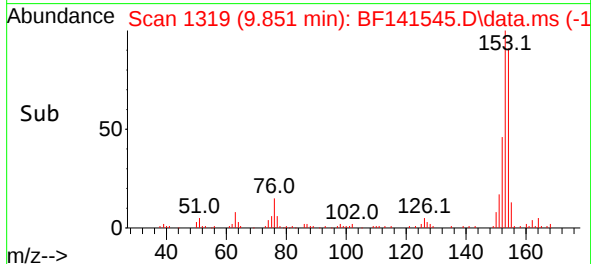
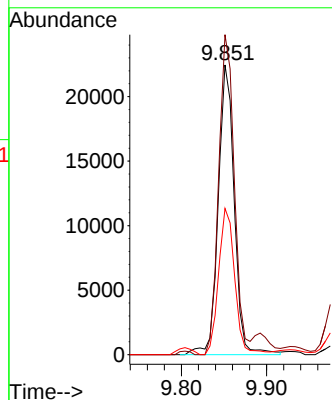
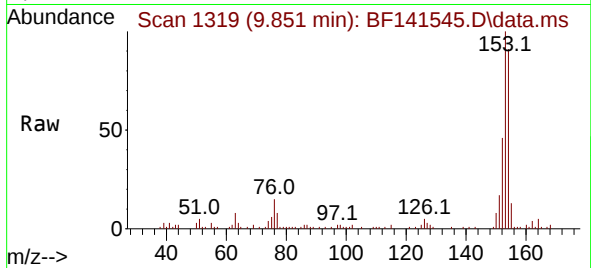




#52
Acenaphthene
Concen: 3.074 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

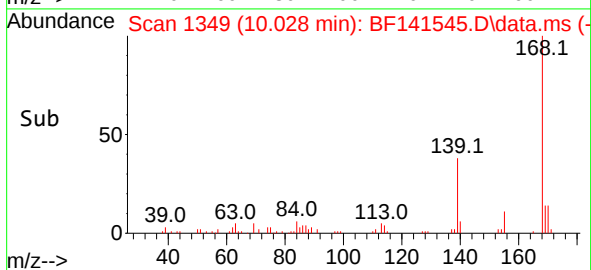
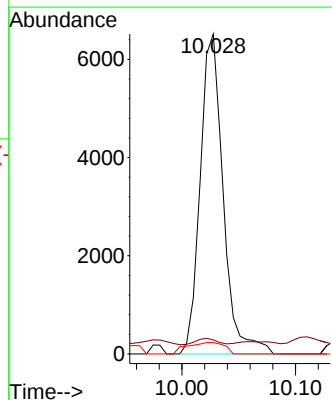
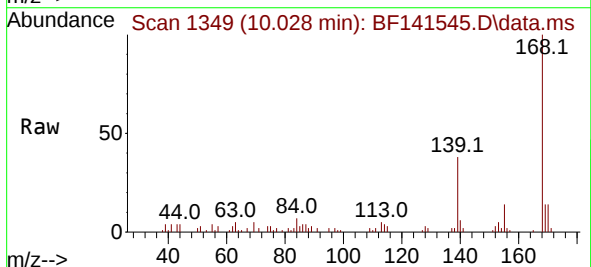
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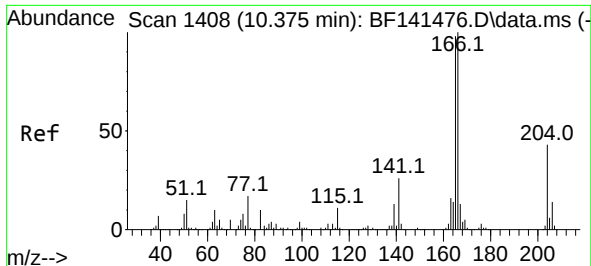
Tgt Ion:154 Resp: 29321
Ion Ratio Lower Upper
154 100
153 110.4 89.2 133.8
152 50.4 39.8 59.8



#56
4-Nitrophenol
Concen: 4.646 ng
RT: 10.028 min Scan# 1349
Delta R.T. 0.059 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

Tgt Ion:139 Resp: 9164
Ion Ratio Lower Upper
139 100
109 4.4 62.0 102.0#
65 3.5 91.2 131.2#

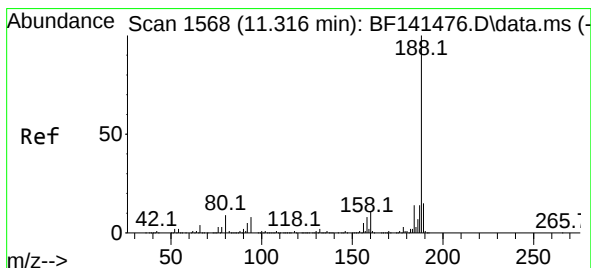
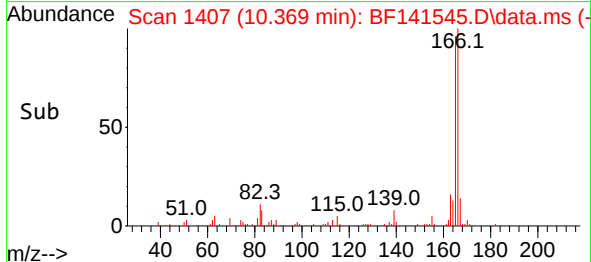
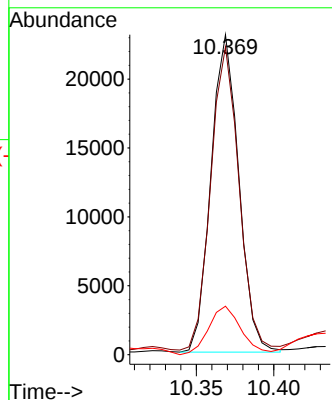
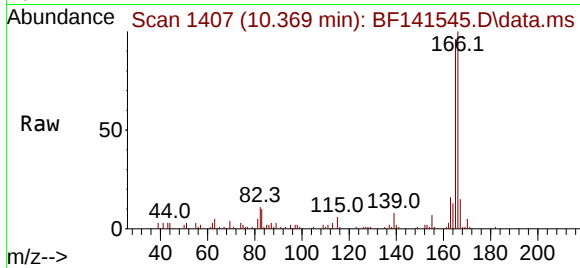




#58
 Fluorene
 Concen: 2.664 ng
 RT: 10.369 min Scan# 1408
 Delta R.T. -0.012 min
 Lab File: BF141545.D
 Acq: 10 Feb 2025 19:53

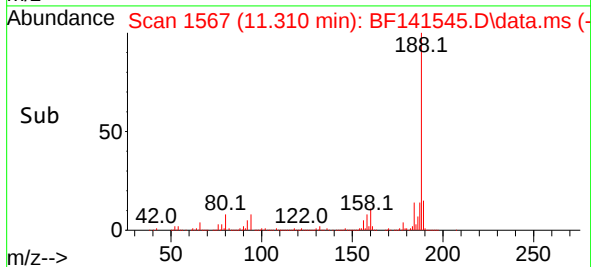
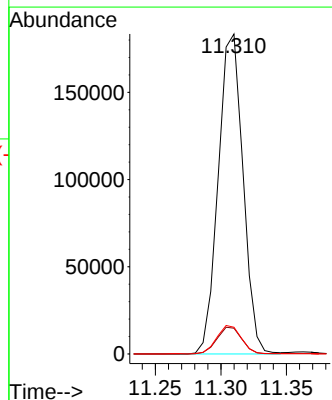
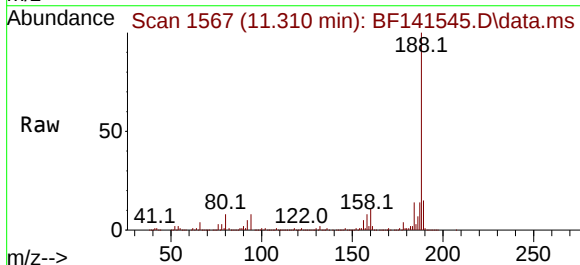
Instrument :
 BNA_F
 ClientSampleId :
 JPP-29.2-012825DL

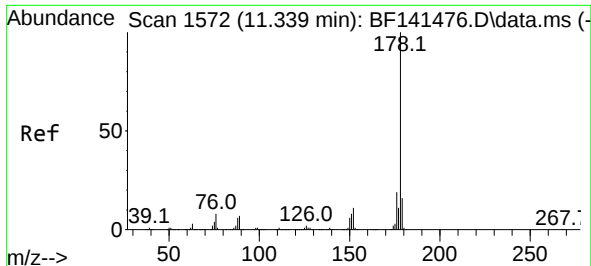
Tgt Ion:166 Resp: 28839
 Ion Ratio Lower Upper
 166 100
 165 96.2 78.2 117.2
 167 15.2 10.7 16.1



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.310 min Scan# 1567
 Delta R.T. -0.006 min
 Lab File: BF141545.D
 Acq: 10 Feb 2025 19:53

Tgt Ion:188 Resp: 240844
 Ion Ratio Lower Upper
 188 100
 94 8.1 6.6 10.0
 80 8.4 7.3 10.9

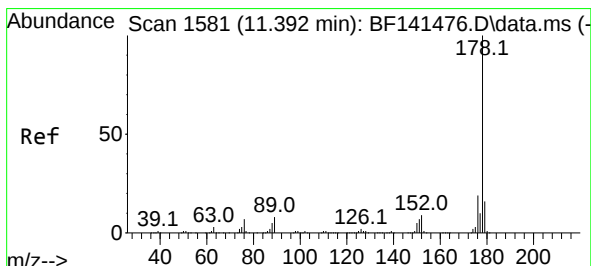
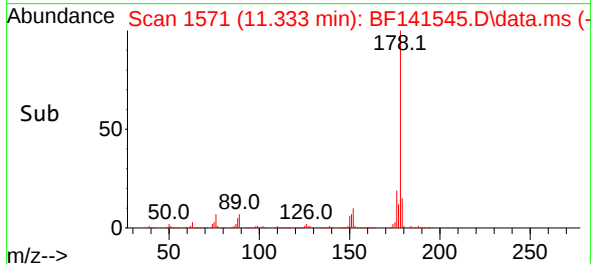
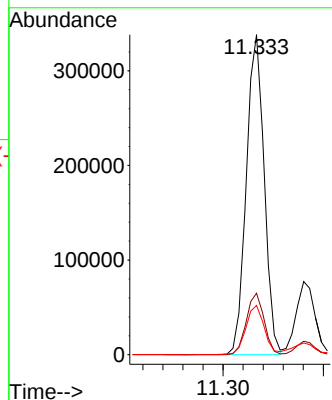
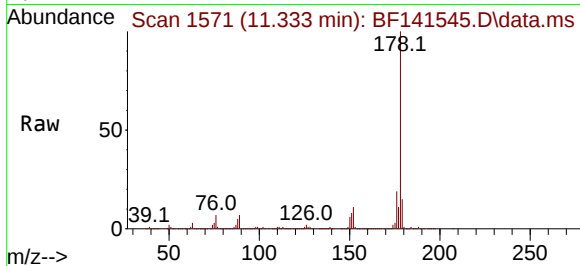




#71
Phenanthrene
Concen: 31.647 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

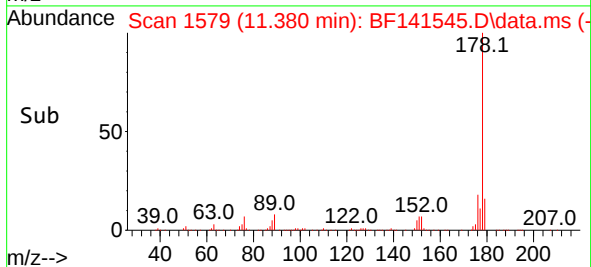
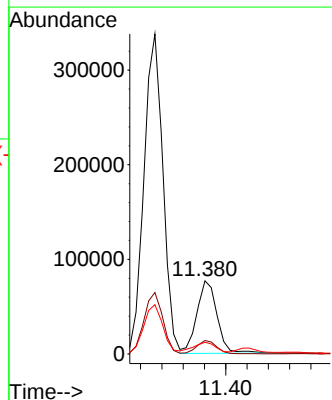
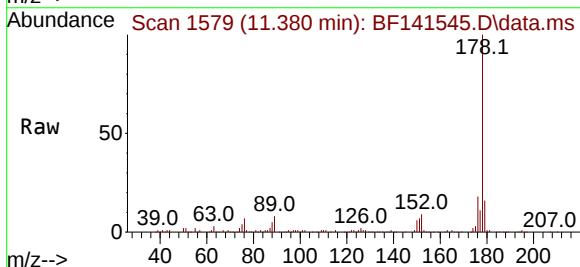
Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825DL

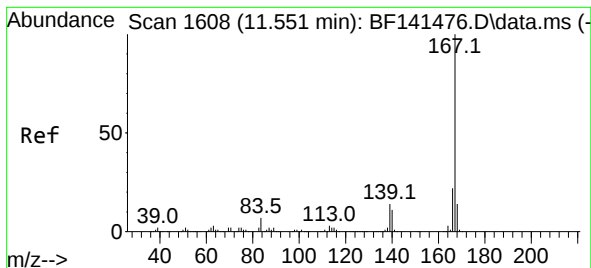
Tgt Ion:178 Resp: 419558
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.4 12.4 18.6



#72
Anthracene
Concen: 7.599 ng
RT: 11.380 min Scan# 1579
Delta R.T. -0.017 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

Tgt Ion:178 Resp: 101273
Ion Ratio Lower Upper
178 100
176 18.4 14.8 22.2
179 15.9 12.4 18.6





#73

Carbazole

Concen: 2.014 ng

RT: 11.539 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141545.D

Acq: 10 Feb 2025 19:53

Instrument :

BNA_F

ClientSampleId :

JPP-29.2-012825DL

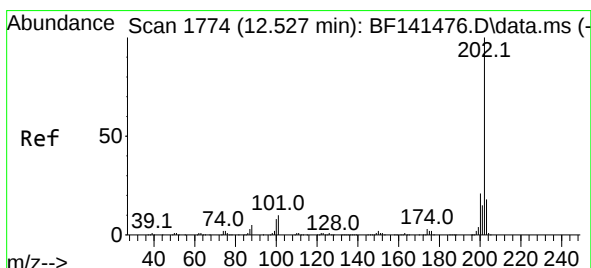
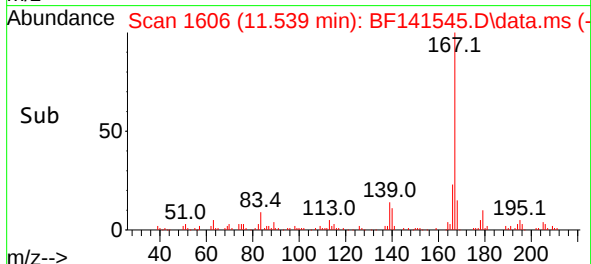
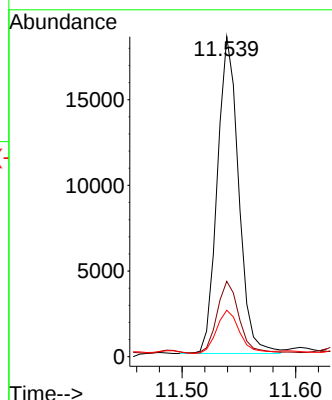
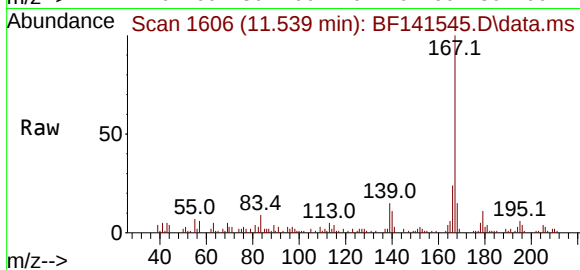
Tgt Ion:167 Resp: 24145

Ion Ratio Lower Upper

167 100

166 23.6 17.4 26.2

139 14.5 10.9 16.3



#75

Fluoranthene

Concen: 39.759 ng

RT: 12.522 min Scan# 1773

Delta R.T. -0.012 min

Lab File: BF141545.D

Acq: 10 Feb 2025 19:53

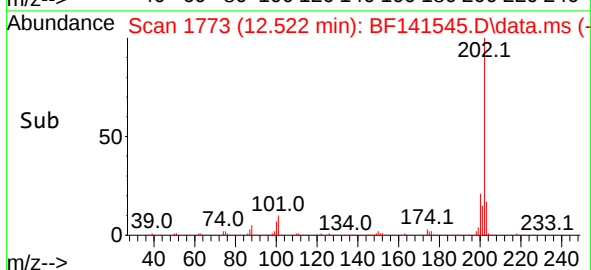
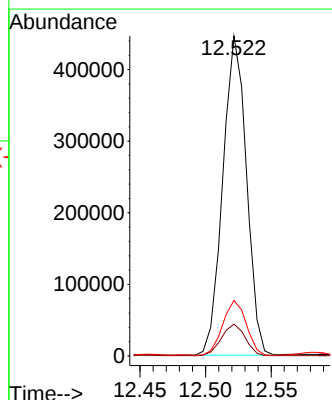
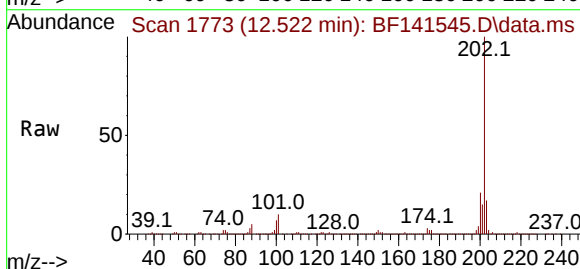
Tgt Ion:202 Resp: 558824

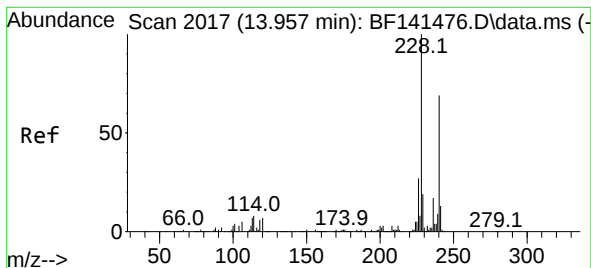
Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.2

203 17.4 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141545.D

Acq: 10 Feb 2025 19:53

Instrument :

BNA_F

ClientSampleId :

JPP-29.2-012825DL

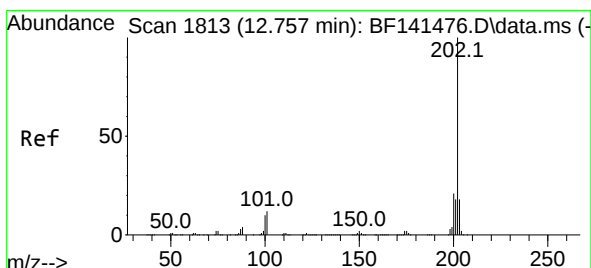
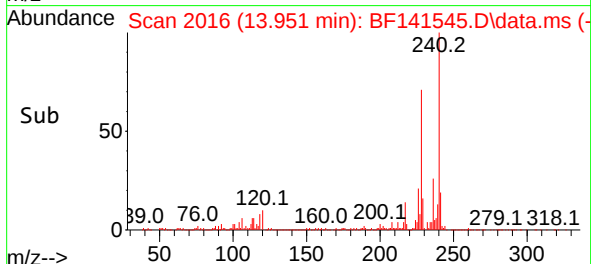
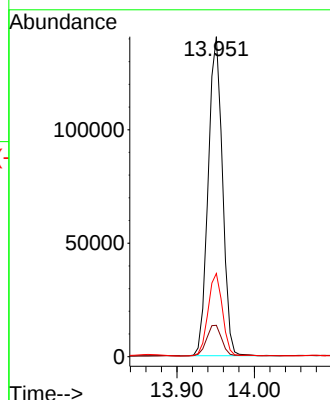
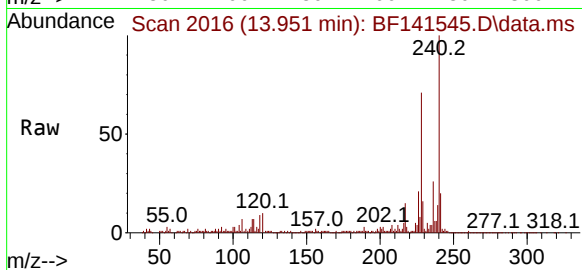
Tgt Ion:240 Resp: 179683

Ion Ratio Lower Upper

240 100

120 9.8 8.0 12.0

236 26.0 19.8 29.8



#78

Pyrene

Concen: 35.581 ng

RT: 12.751 min Scan# 1812

Delta R.T. -0.012 min

Lab File: BF141545.D

Acq: 10 Feb 2025 19:53

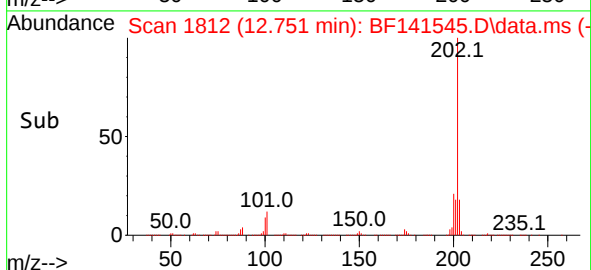
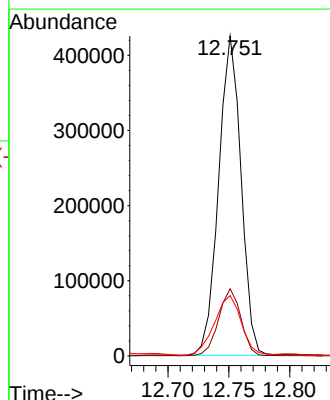
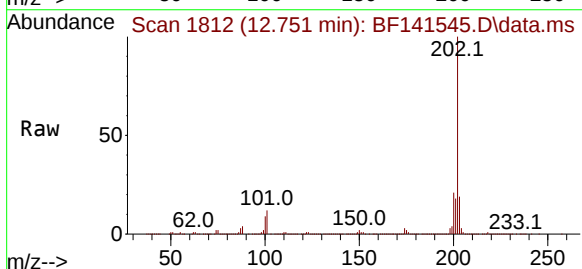
Tgt Ion:202 Resp: 544240

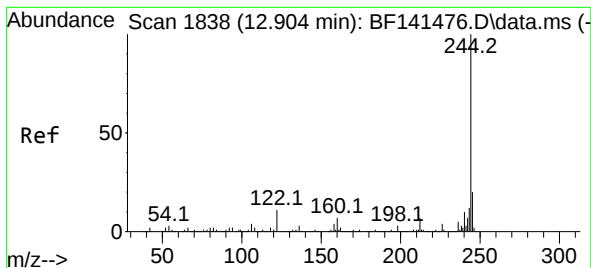
Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.4

203 18.8 14.3 21.5





#79

Terphenyl-d14

Concen: 24.363 ng

RT: 12.892 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141545.D

Acq: 10 Feb 2025 19:53

Instrument :

BNA_F

ClientSampleId :

JPP-29.2-012825DL

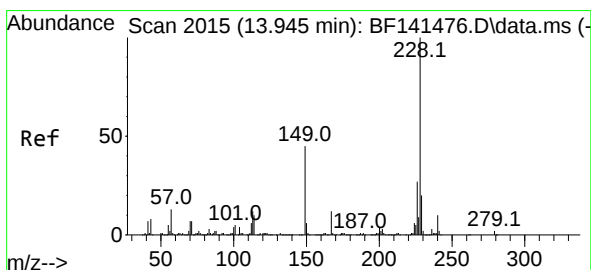
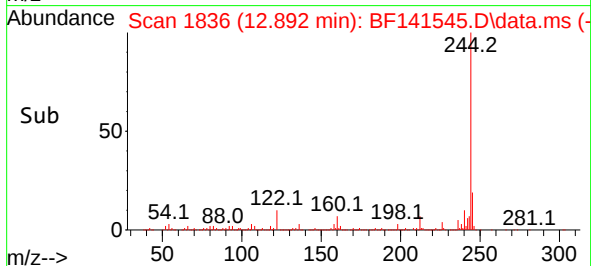
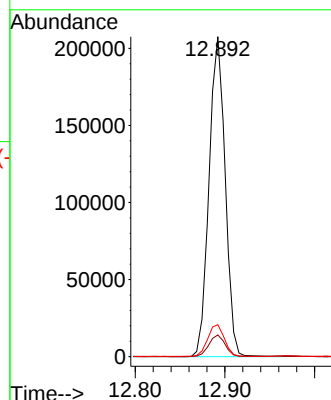
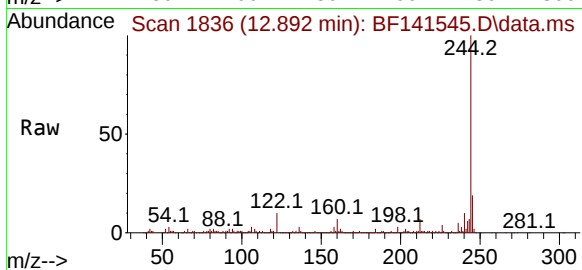
Tgt Ion:244 Resp: 259311

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 10.0 8.4 12.6



#81

Benzo(a)anthracene

Concen: 24.343 ng

RT: 13.939 min Scan# 2014

Delta R.T. -0.012 min

Lab File: BF141545.D

Acq: 10 Feb 2025 19:53

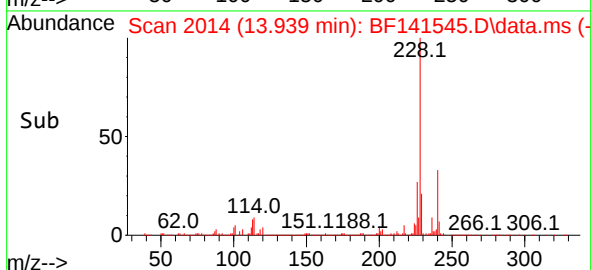
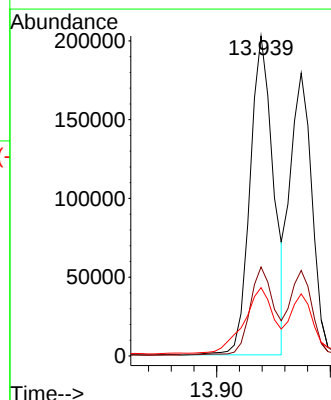
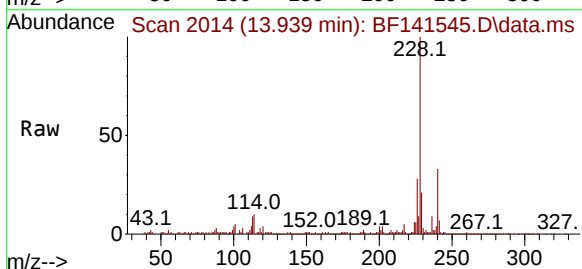
Tgt Ion:228 Resp: 290751

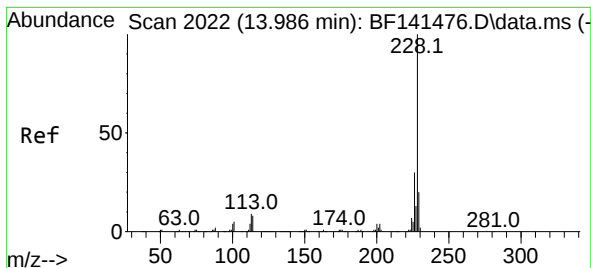
Ion Ratio Lower Upper

228 100

226 27.8 21.8 32.8

229 21.4 15.8 23.6





#83

Chrysene

Concen: 21.468 ng

RT: 13.974 min Scan# 20

Delta R.T. -0.017 min

Lab File: BF141545.D

Acq: 10 Feb 2025 19:53

Instrument :

BNA_F

ClientSampleId :

JPP-29.2-012825DL

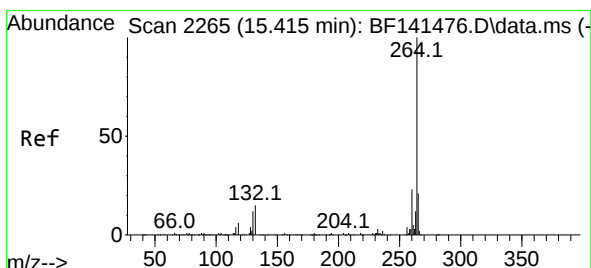
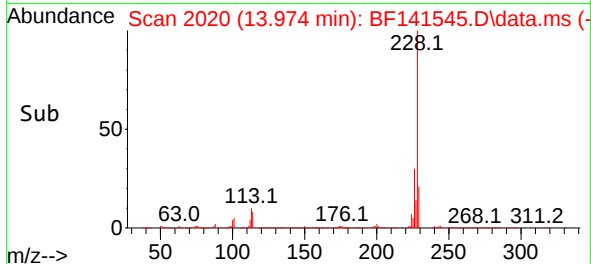
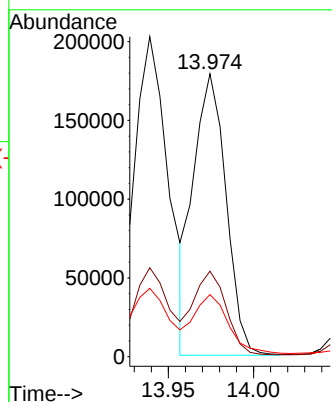
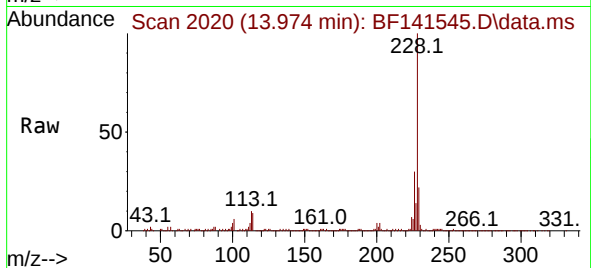
Tgt Ion:228 Resp: 236762

Ion Ratio Lower Upper

228 100

226 30.2 24.0 36.0

229 22.0 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 2263

Delta R.T. -0.012 min

Lab File: BF141545.D

Acq: 10 Feb 2025 19:53

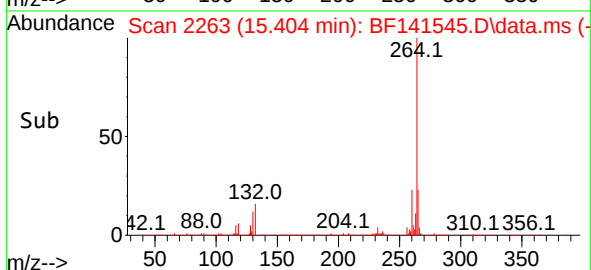
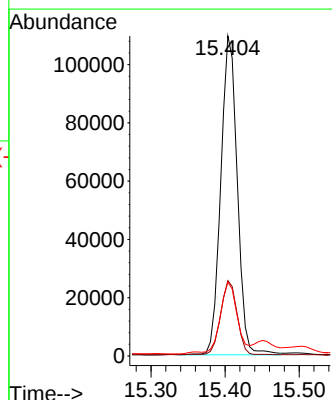
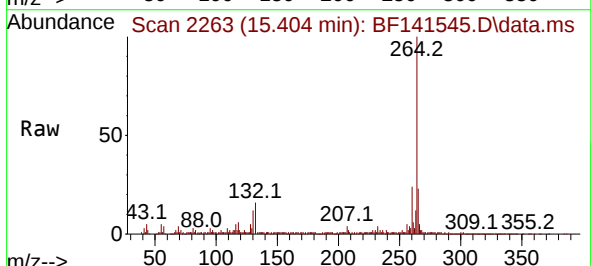
Tgt Ion:264 Resp: 169289

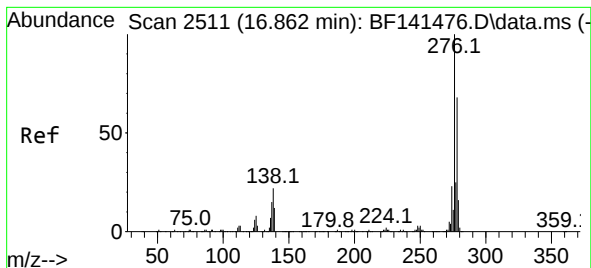
Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

265 23.1 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.201 ng

RT: 16.839 min Scan# 2193

Delta R.T. -0.035 min

Lab File: BF141545.D

Acq: 10 Feb 2025 19:53

Instrument :

BNA_F

ClientSampleId :

JPP-29.2-012825DL

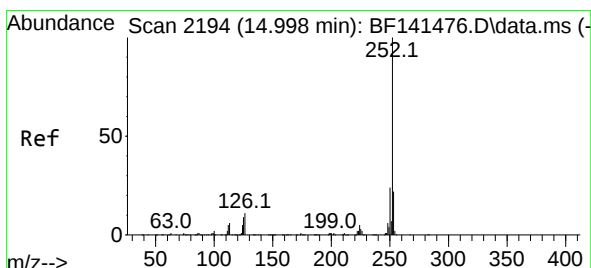
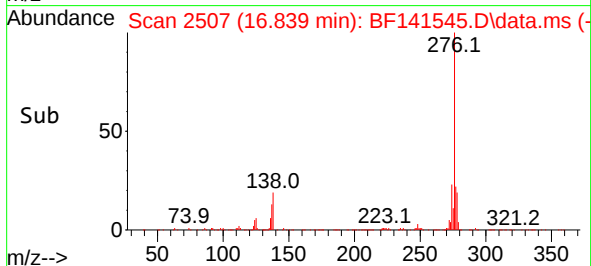
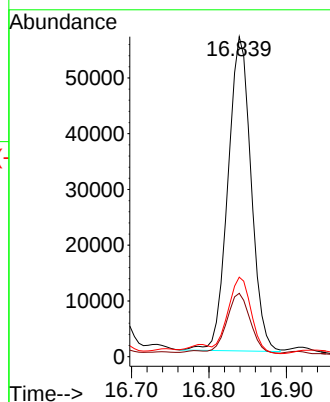
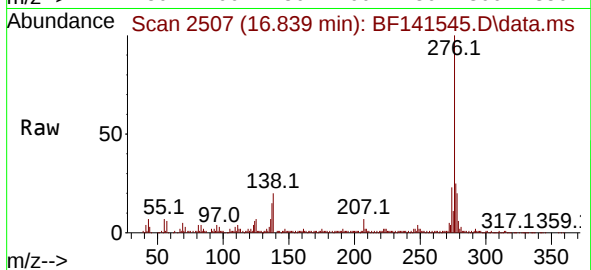
Tgt Ion:276 Resp: 117168

Ion Ratio Lower Upper

276 100

138 19.1 18.0 27.0

277 24.4 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 38.970 ng

RT: 14.992 min Scan# 2193

Delta R.T. -0.012 min

Lab File: BF141545.D

Acq: 10 Feb 2025 19:53

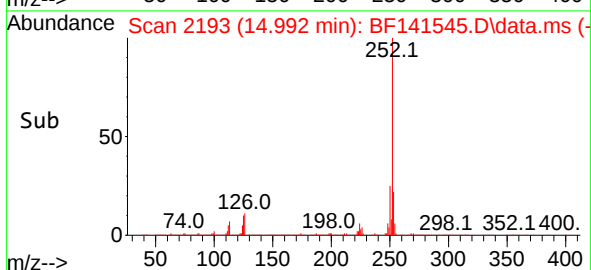
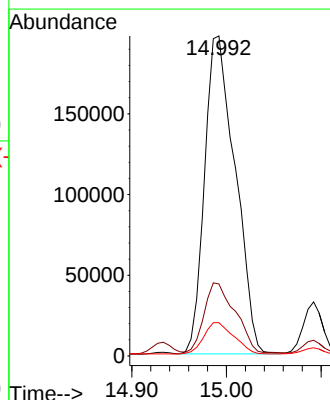
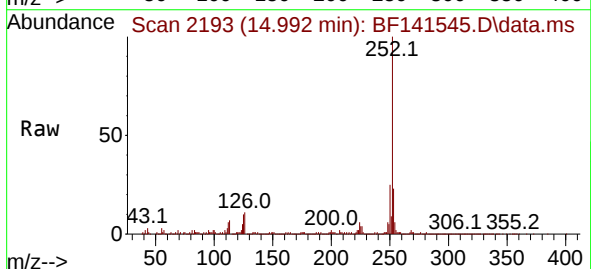
Tgt Ion:252 Resp: 442972

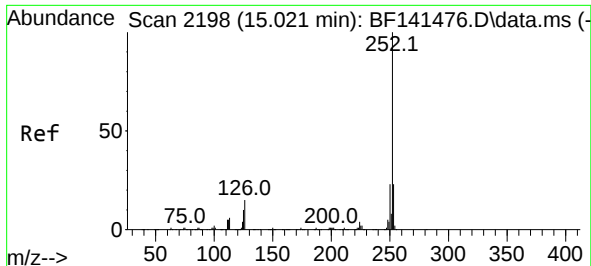
Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

125 10.4 7.0 10.6

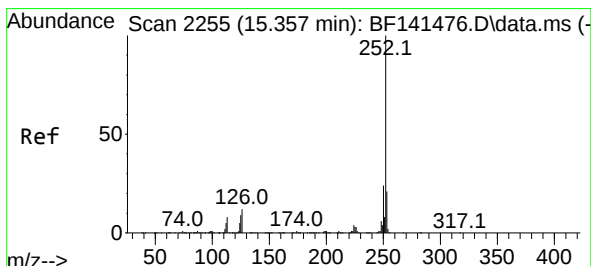
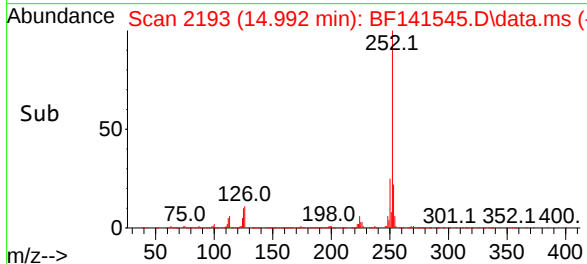
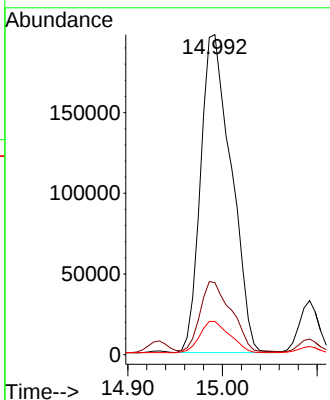
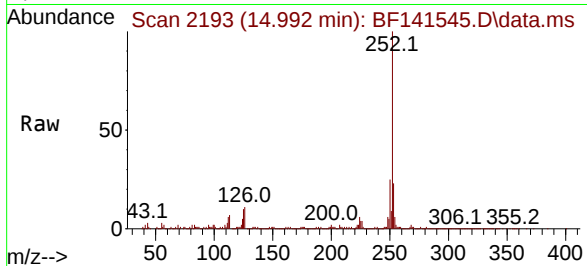




#89
Benzo(k)fluoranthene
Concen: 45.637 ng
RT: 14.992 min Scan# 2198
Delta R.T. -0.041 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

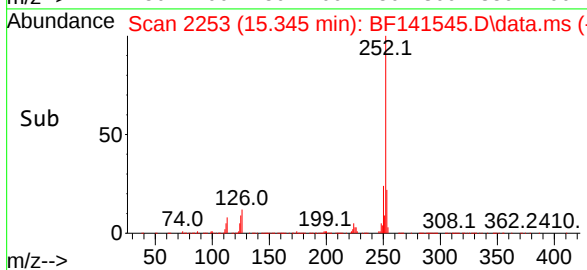
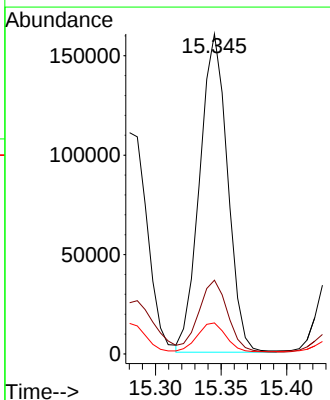
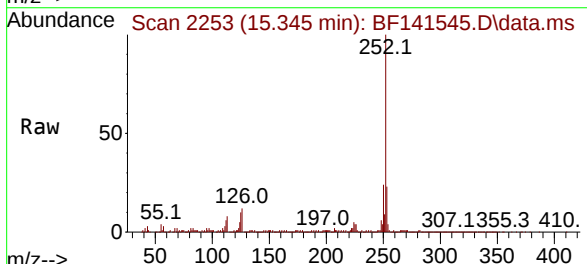
Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825DL

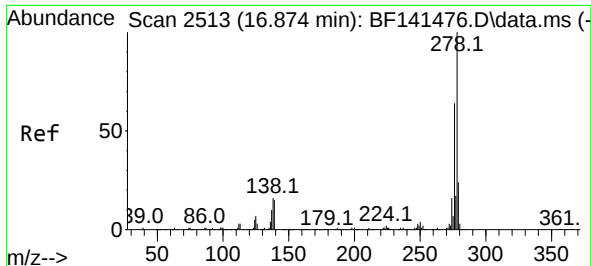
Tgt Ion:252 Resp: 442972
Ion Ratio Lower Upper
252 100
253 22.5 18.0 27.0
125 10.4 7.4 11.0



#90
Benzo(a)pyrene
Concen: 25.768 ng
RT: 15.345 min Scan# 2253
Delta R.T. -0.017 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

Tgt Ion:252 Resp: 237008
Ion Ratio Lower Upper
252 100
253 23.0 17.1 25.7
125 9.7 7.4 11.2

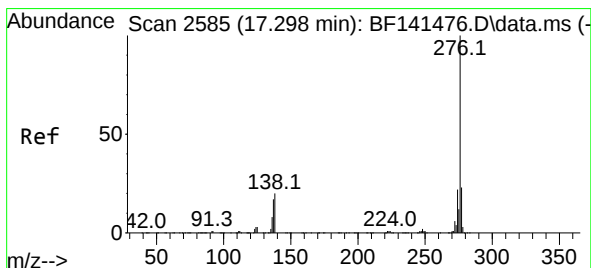
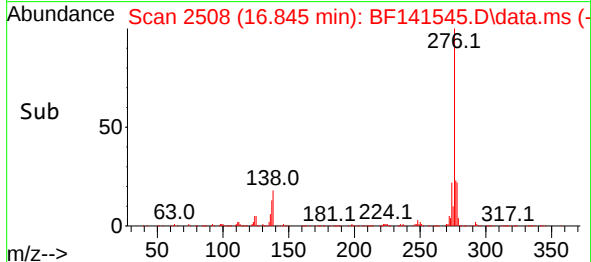
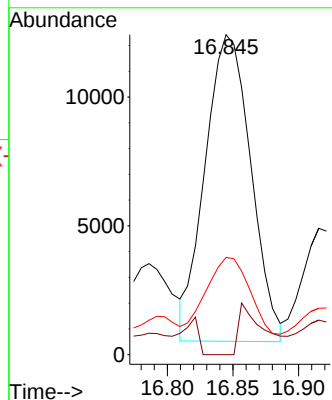
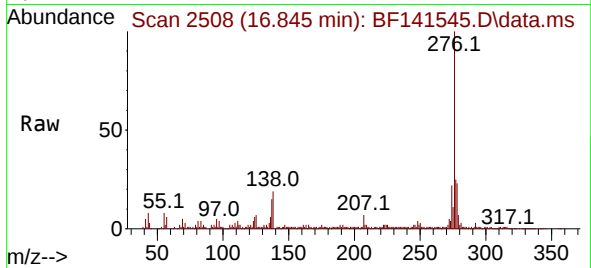




#91
Dibenzo(a,h)anthracene
Concen: 3.409 ng
RT: 16.845 min Scan# 2508
Delta R.T. -0.047 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825DL

Tgt Ion:278 Resp: 28891
Ion Ratio Lower Upper
278 100
139 0.0 11.8 17.6#
279 30.4 19.1 28.7#



#92
Benzo(g,h,i)perylene
Concen: 13.205 ng
RT: 17.274 min Scan# 2581
Delta R.T. -0.041 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

Tgt Ion:276 Resp: 117125
Ion Ratio Lower Upper
276 100
277 23.4 18.6 28.0
138 19.6 15.9 23.9

