

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141527.D
 Acq On : 07 Feb 2025 23:53
 Operator : RC/JU
 Sample : Q1232-11 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-42.1-012925

Quant Time: Feb 08 00:34:19 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)

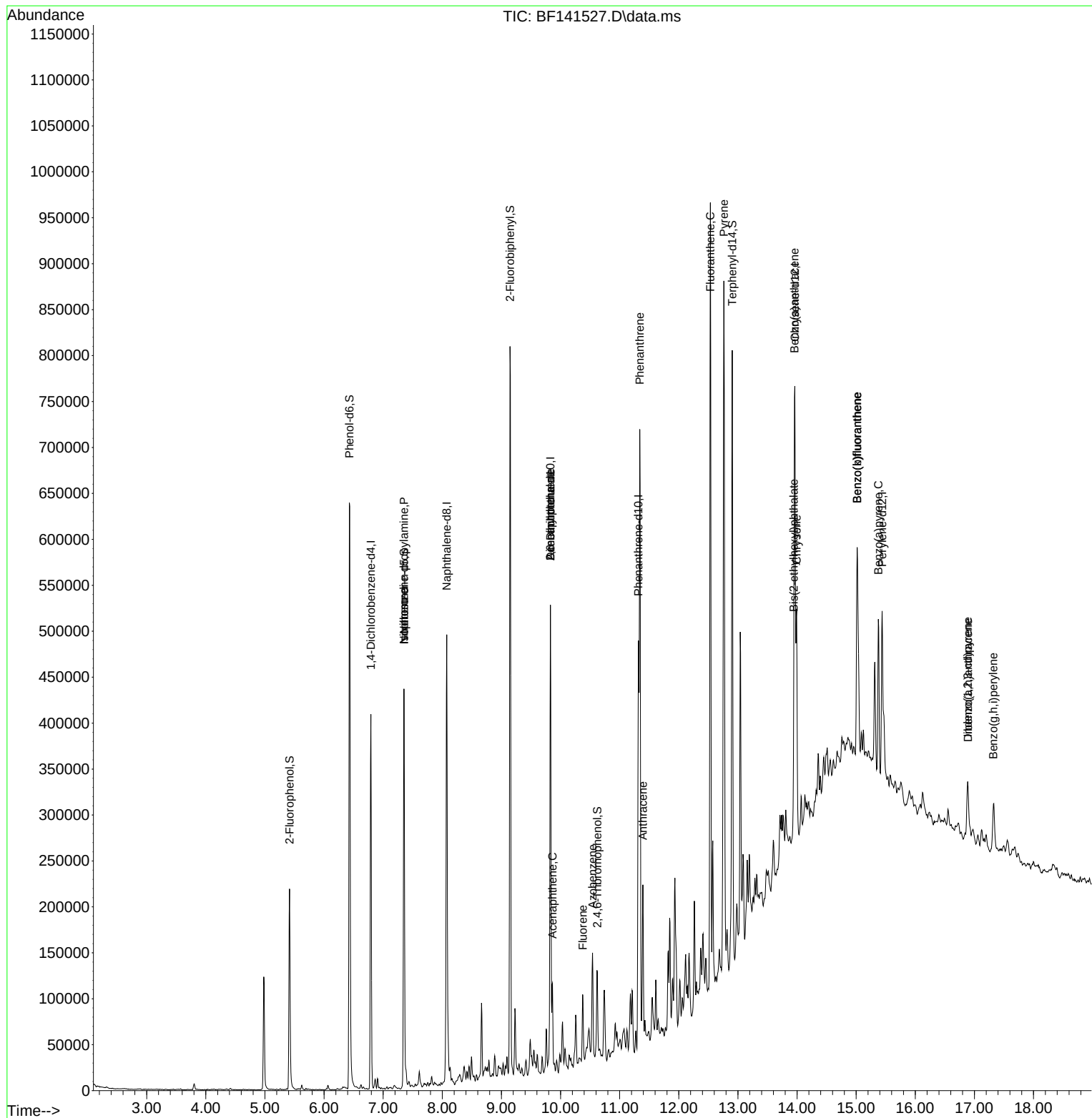
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	81132	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	300029	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	147138	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	226182	20.000	ng	0.00
76) Chrysene-d12	13.963	240	133028	20.000	ng	0.00
86) Perylene-d12	15.439	264	108190	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	86054	16.629	ng	0.00
7) Phenol-d6	6.428	99	285867	43.705	ng	-0.01
23) Nitrobenzene-d5	7.351	82	184712	32.111	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	10371	7.017	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	350964	36.749	ng	0.00
79) Terphenyl-d14	12.904	244	311399	39.518	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	26465	6.764	ng	# 79
25) Isophorone	7.351	82	176437	19.237	ng	# 66
50) Dimethylphthalate	9.828	163	21316	2.134	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	19854	9.092	ng	# 23
52) Acenaphthene	9.863	154	28474	3.376	ng	98
58) Fluorene	10.375	166	26997	2.820	ng	# 99
63) Azobenzene	10.539	77	24722	2.530	ng	# 1
71) Phenanthrene	11.339	178	348527	27.993	ng	99
72) Anthracene	11.392	178	103865	8.299	ng	98
75) Fluoranthene	12.533	202	477148	36.148	ng	99
78) Pyrene	12.763	202	435351	38.444	ng	98
81) Benzo(a)anthracene	13.957	228	176434	19.952	ng	97
83) Chrysene	13.992	228	132233	16.195	ng	97
84) Bis(2-ethylhexyl)phtha...	13.945	149	9098	2.057	ng	# 93
87) Indeno(1,2,3-cd)pyrene	16.886	276	52470	7.849	ng	95
88) Benzo(b)fluoranthene	15.016	252	193273	26.605	ng	# 94
89) Benzo(k)fluoranthene	15.016	252	193273	31.157	ng	# 95
90) Benzo(a)pyrene	15.374	252	109532	18.634	ng	# 93
91) Dibenzo(a,h)anthracene	16.892	278	13566	2.504	ng	# 74
92) Benzo(g,h,i)perylene	17.321	276	53835	9.497	ng	95

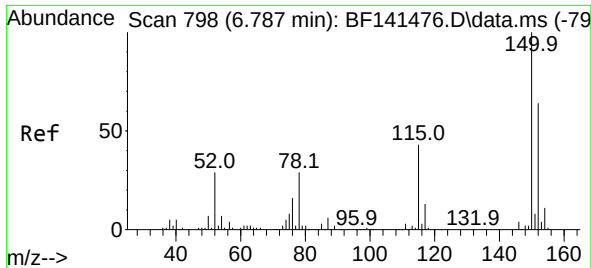
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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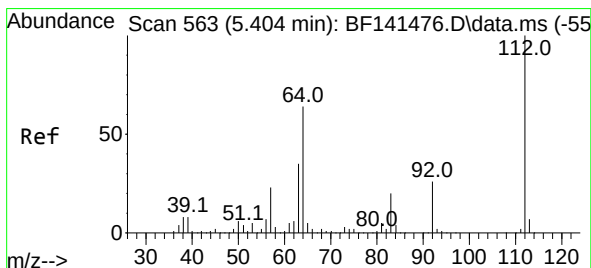
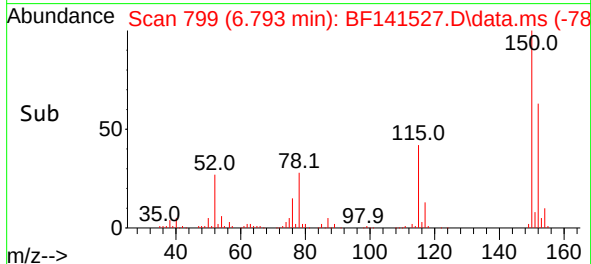
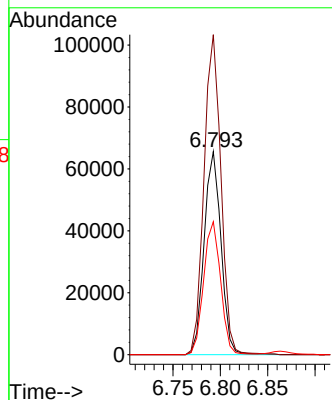
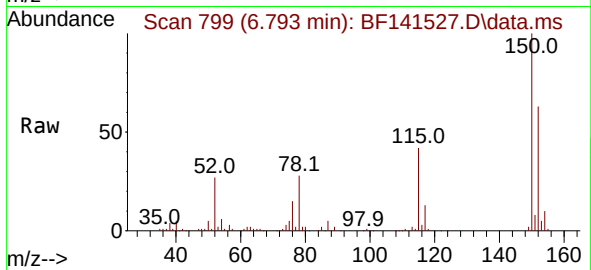




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 798
Delta R.T. 0.001 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53

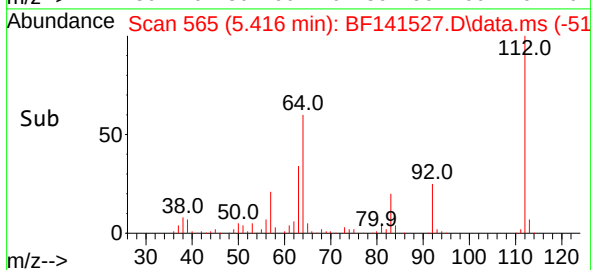
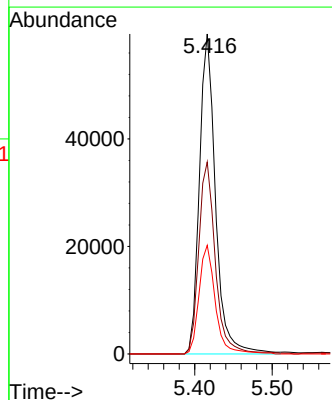
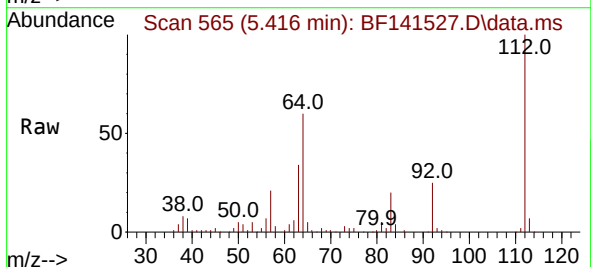
Instrument :
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ClientSampleId :
JPP-42.1-012925

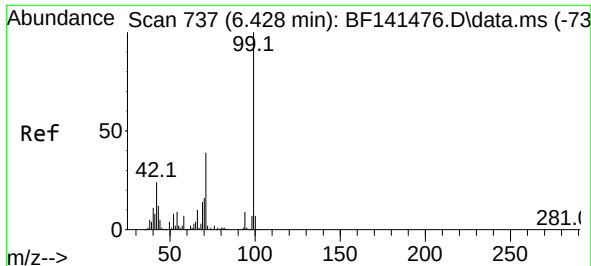
Tgt Ion:152 Resp: 81132
Ion Ratio Lower Upper
152 100
150 157.6 125.0 187.4
115 65.5 53.6 80.4



#5
2-Fluorophenol
Concen: 16.629 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53

Tgt Ion:112 Resp: 86054
Ion Ratio Lower Upper
112 100
64 60.0 51.1 76.7
63 33.9 28.4 42.6

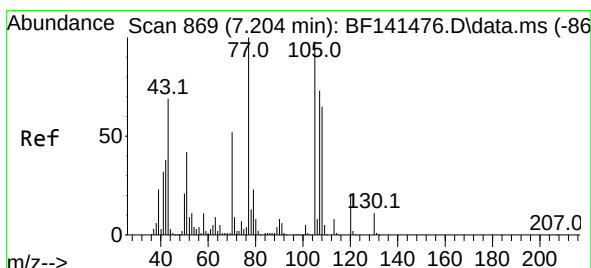
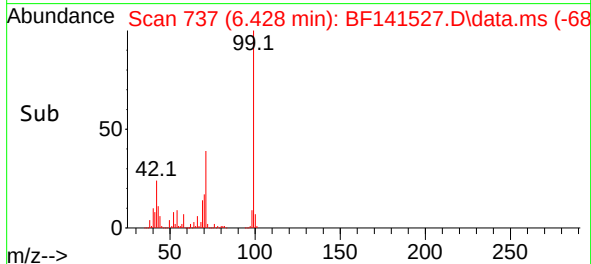
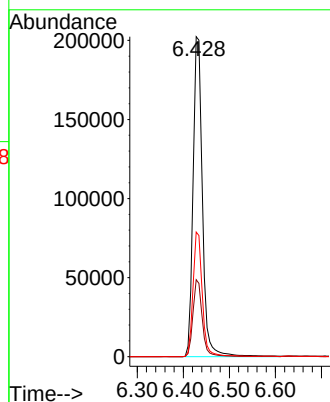
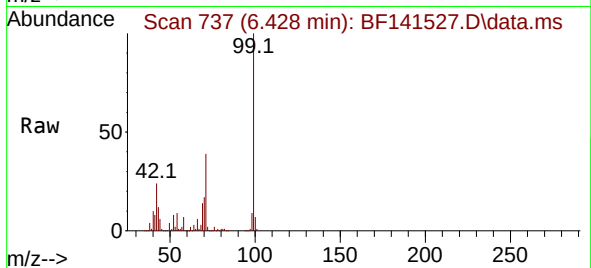




#7
Phenol-d6
Concen: 43.705 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53

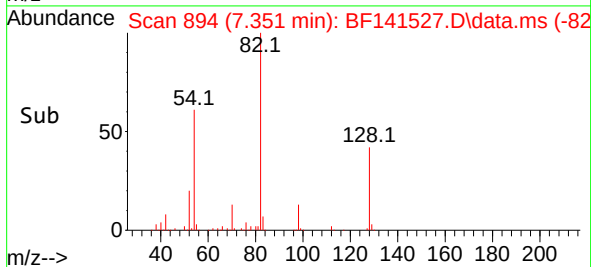
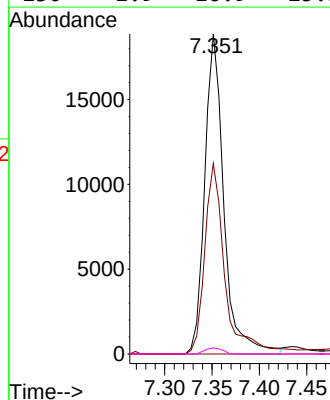
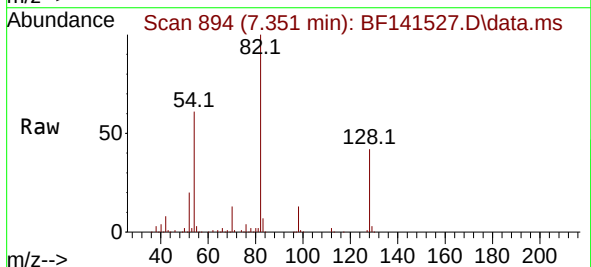
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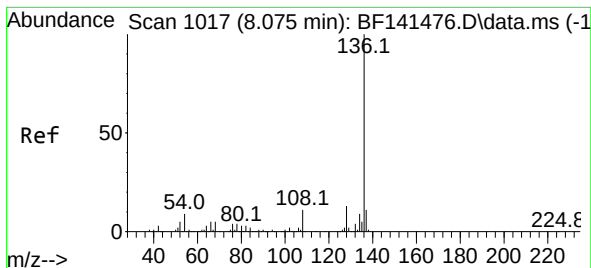
Tgt Ion: 99 Resp: 285867
Ion Ratio Lower Upper
99 100
42 24.0 19.1 28.7
71 38.9 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 6.764 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.136 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53

Tgt Ion: 70 Resp: 26465
Ion Ratio Lower Upper
70 100
42 59.5 57.4 86.2
101 0.0 8.0 12.0#
130 1.9 16.9 25.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1017

Delta R.T. 0.000 min

Lab File: BF141527.D

Acq: 07 Feb 2025 23:53

Instrument :

BNA_F

ClientSampleId :

JPP-42.1-012925

Tgt Ion:136 Resp: 300029

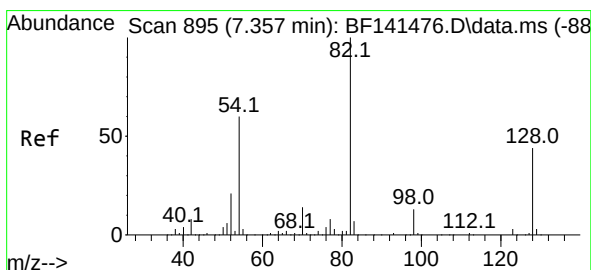
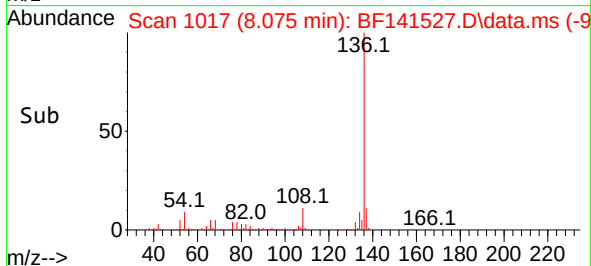
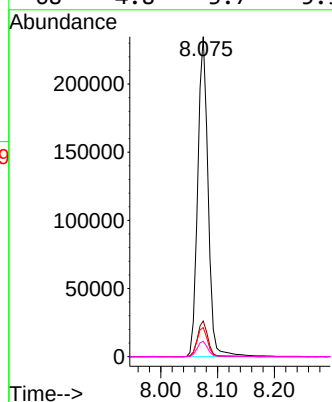
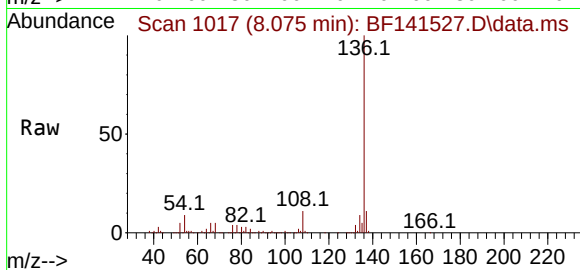
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 9.1 7.2 10.8

68 4.8 3.7 5.5



#23

Nitrobenzene-d5

Concen: 32.111 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF141527.D

Acq: 07 Feb 2025 23:53

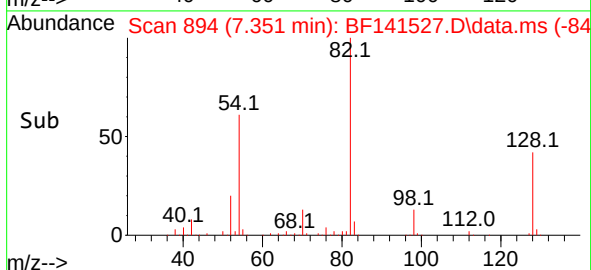
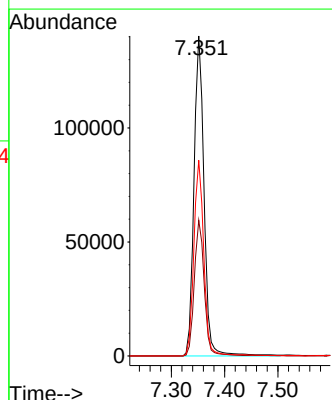
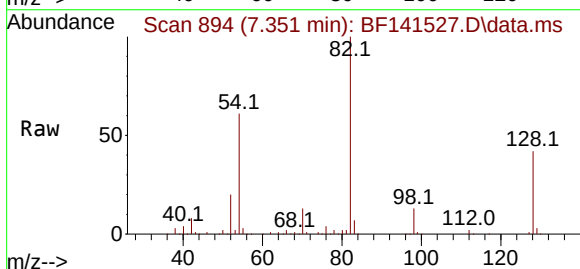
Tgt Ion: 82 Resp: 184712

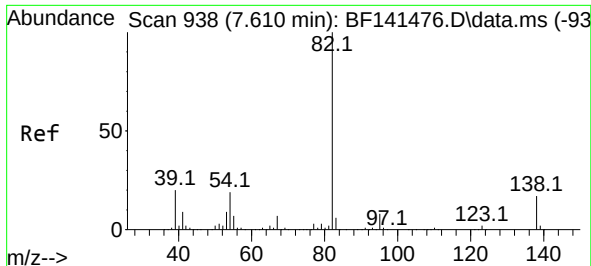
Ion Ratio Lower Upper

82 100

128 42.4 34.8 52.2

54 61.1 48.2 72.4

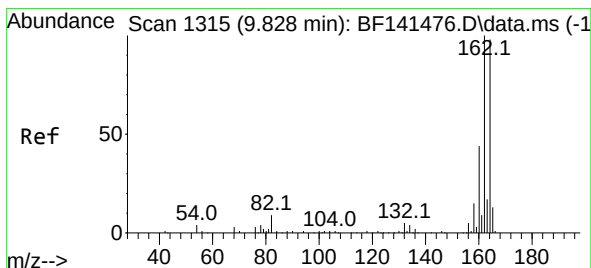
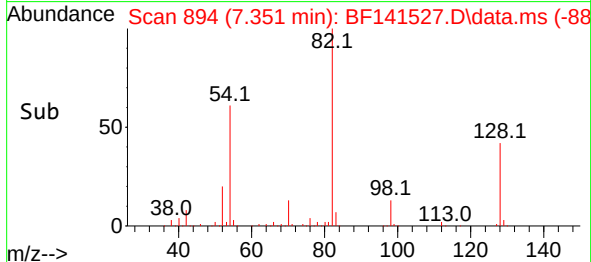
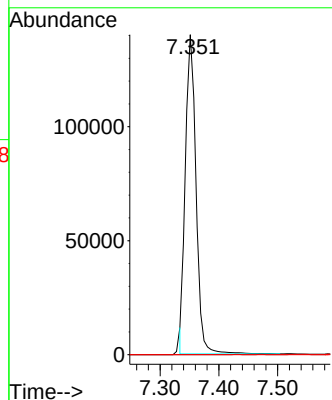
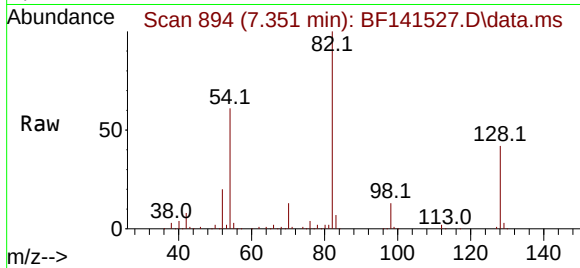




#25
Isophorone
Concen: 19.237 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53

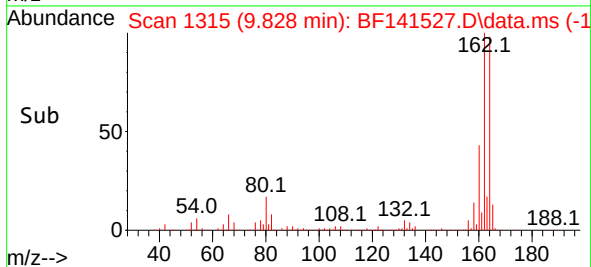
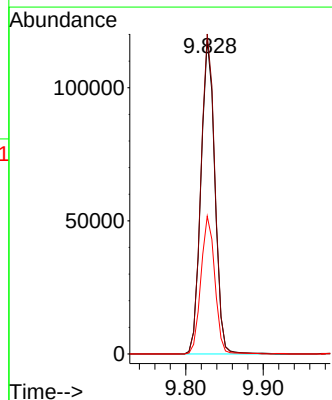
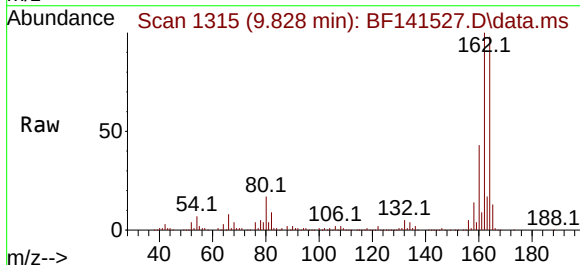
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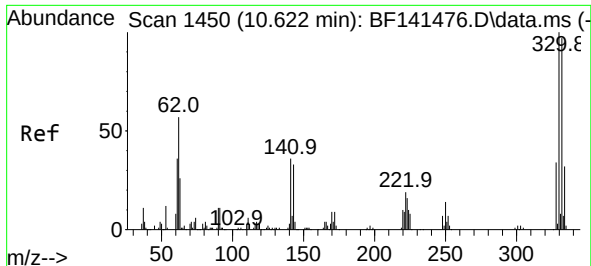
Tgt Ion: 82 Resp: 176437
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53

Tgt Ion: 164 Resp: 147138
Ion Ratio Lower Upper
164 100
162 102.0 81.3 121.9
160 43.9 35.9 53.9

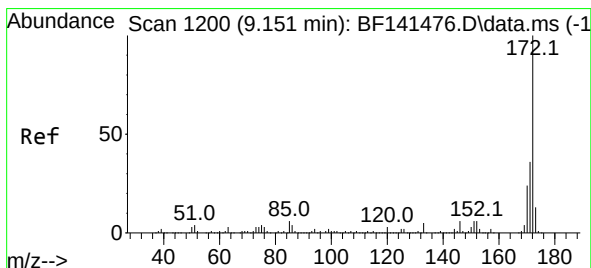
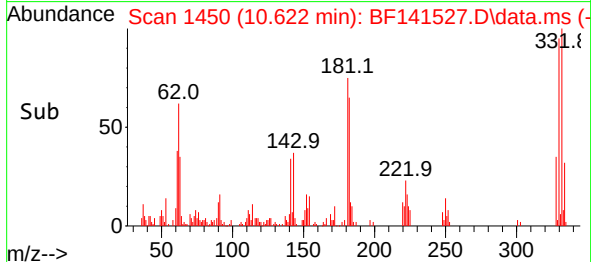
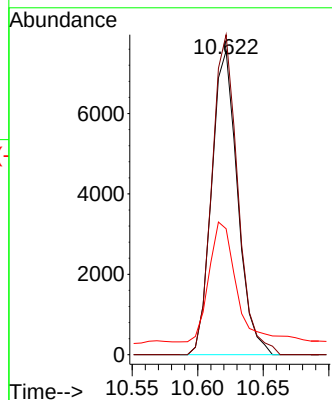
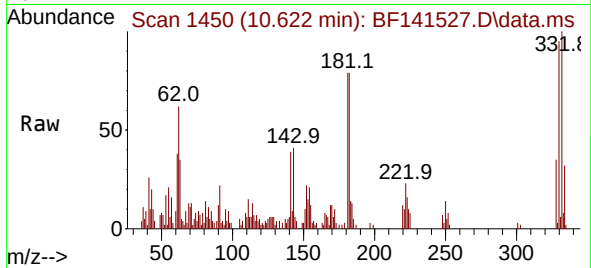




#42
2,4,6-Tribromophenol
Concen: 7.017 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53

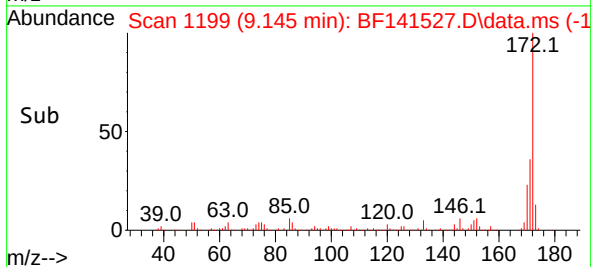
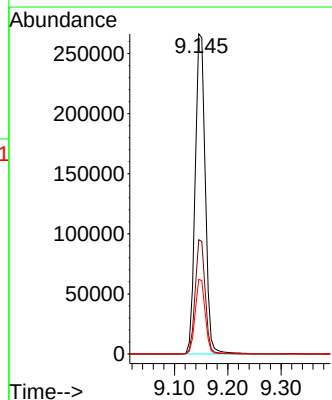
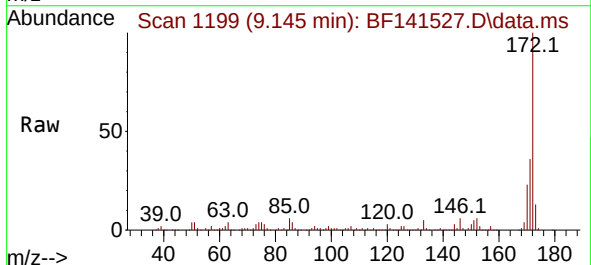
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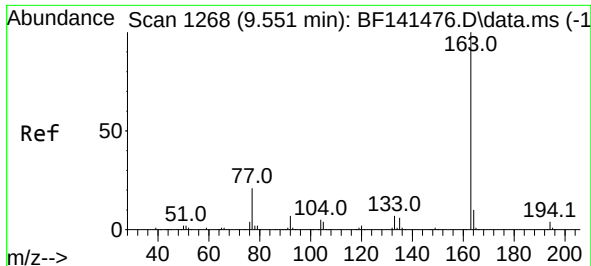
Tgt Ion:330 Resp: 10371
Ion Ratio Lower Upper
330 100
332 105.0 78.5 117.7
141 43.9 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 36.749 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53

Tgt Ion:172 Resp: 350964
Ion Ratio Lower Upper
172 100
171 35.7 28.7 43.1
170 23.3 18.9 28.3

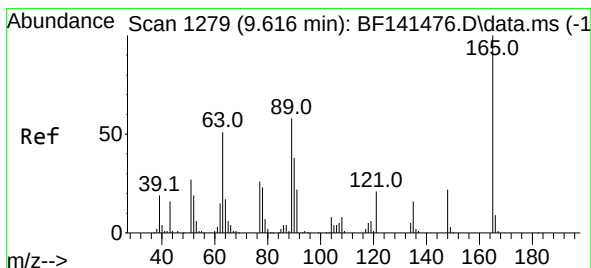
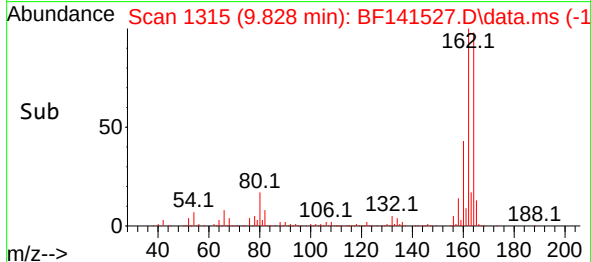
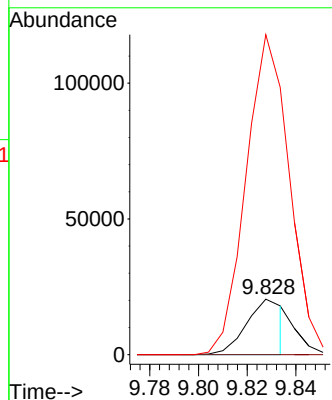
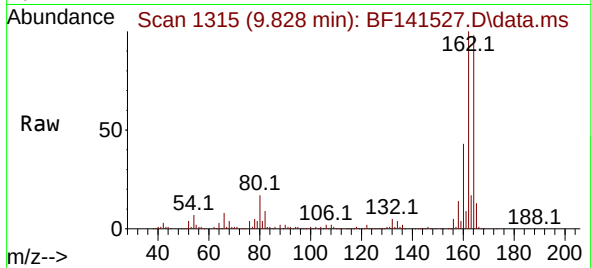




#50
Dimethylphthalate
Concen: 2.134 ng
RT: 9.828 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53

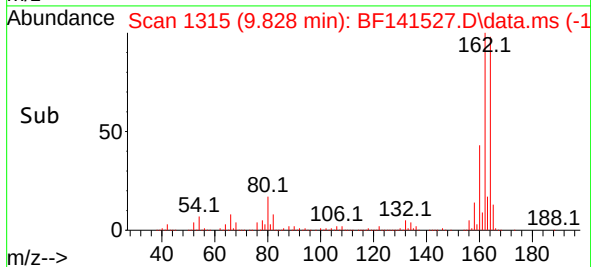
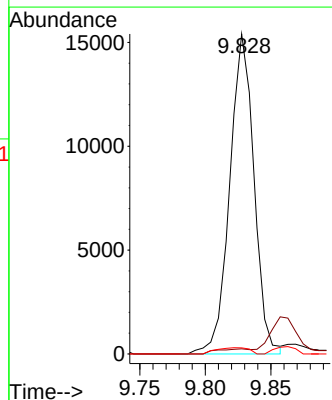
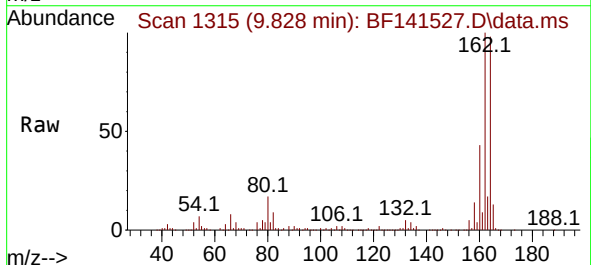
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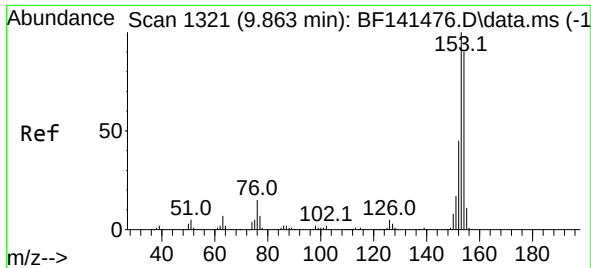
Tgt Ion:163 Resp: 21316
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 576.7 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 9.092 ng
RT: 9.828 min Scan# 1315
Delta R.T. 0.206 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53

Tgt Ion:165 Resp: 19854
Ion Ratio Lower Upper
165 100
63 1.6 49.4 74.0#
89 1.9 46.5 69.7#

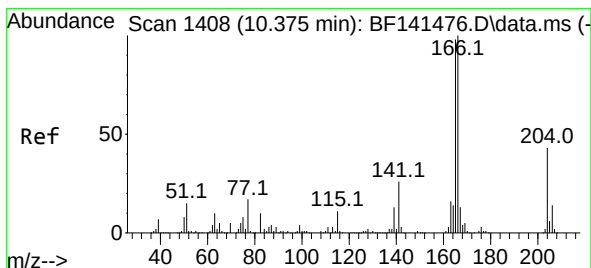
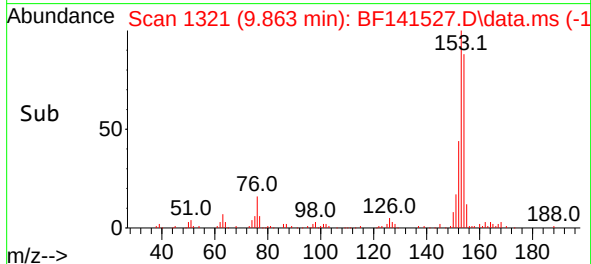
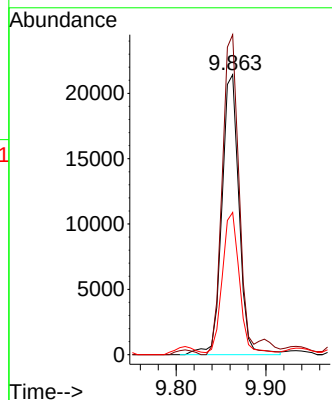
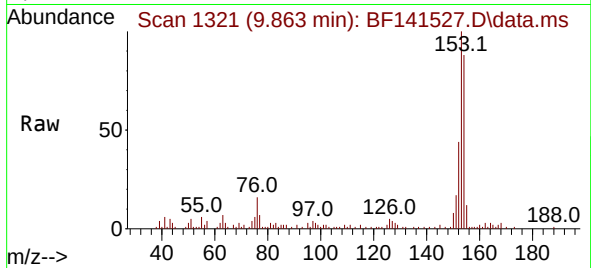




#52
Acenaphthene
Concen: 3.376 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53

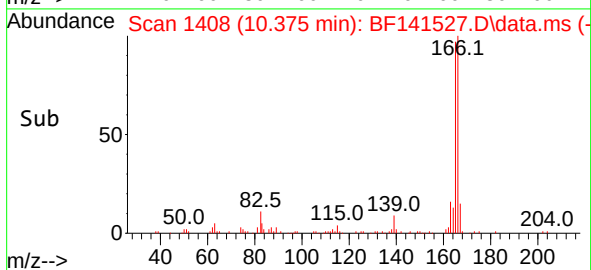
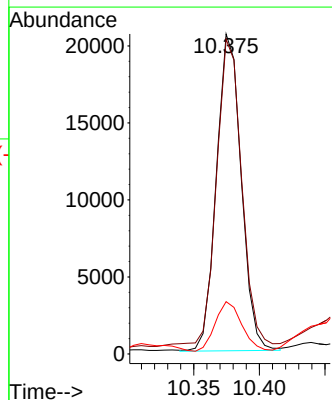
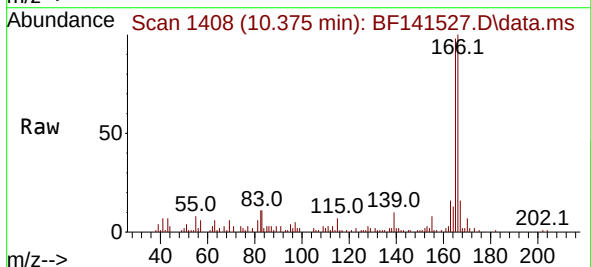
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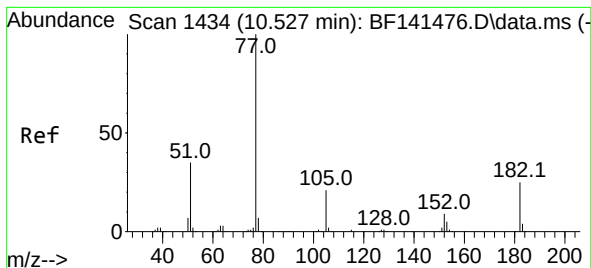
Tgt Ion:154 Resp: 28474
Ion Ratio Lower Upper
154 100
153 114.3 89.2 133.8
152 50.8 39.8 59.8



#58
Fluorene
Concen: 2.820 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53

Tgt Ion:166 Resp: 26997
Ion Ratio Lower Upper
166 100
165 98.3 78.2 117.2
167 16.3 10.7 16.1#





#63

Azobenzene

Concen: 2.530 ng

RT: 10.539 min Scan# 1434

Delta R.T. 0.006 min

Lab File: BF141527.D

Acq: 07 Feb 2025 23:53

Instrument :

BNA_F

ClientSampleId :

JPP-42.1-012925

Tgt Ion: 77 Resp: 24722

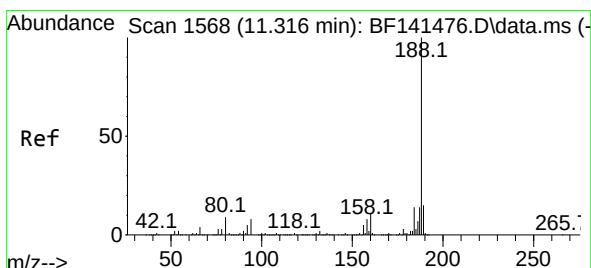
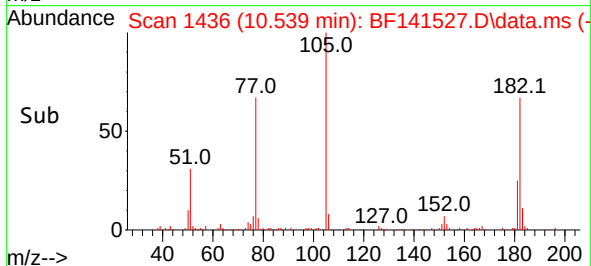
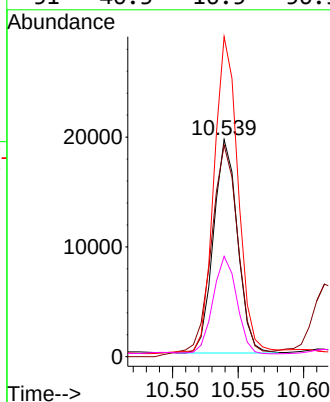
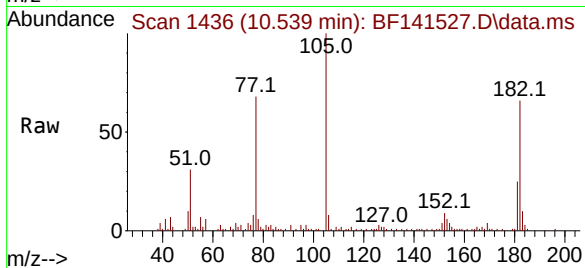
Ion Ratio Lower Upper

77 100

182 97.4 4.7 44.7#

105 147.4 0.4 40.4#

51 46.3 16.5 56.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1568

Delta R.T. 0.000 min

Lab File: BF141527.D

Acq: 07 Feb 2025 23:53

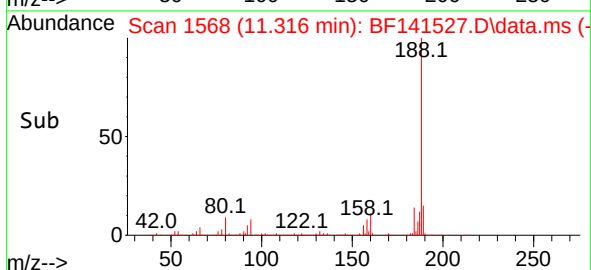
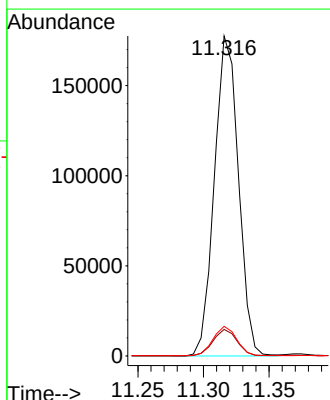
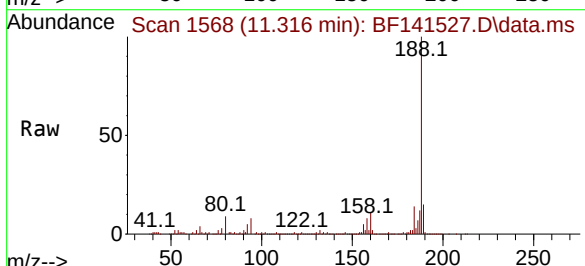
Tgt Ion: 188 Resp: 226182

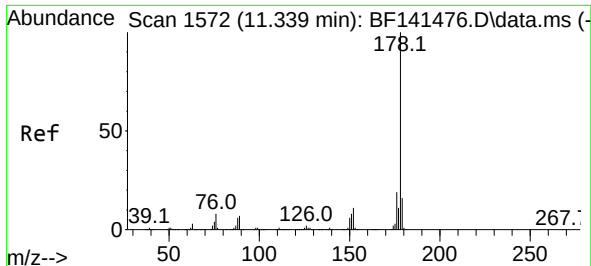
Ion Ratio Lower Upper

188 100

94 8.3 6.6 10.0

80 9.3 7.3 10.9

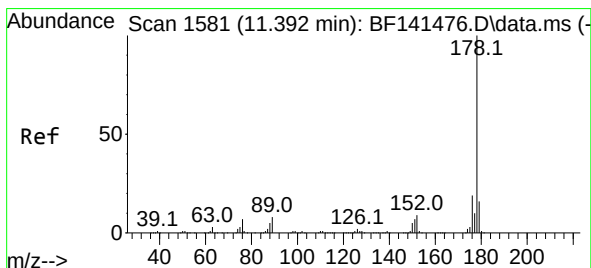
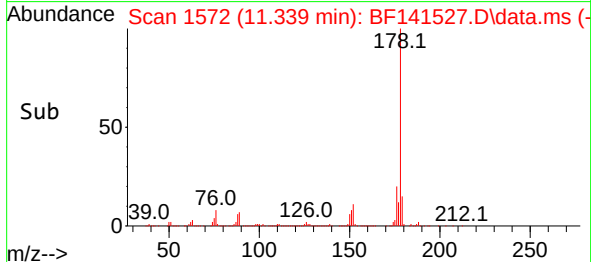
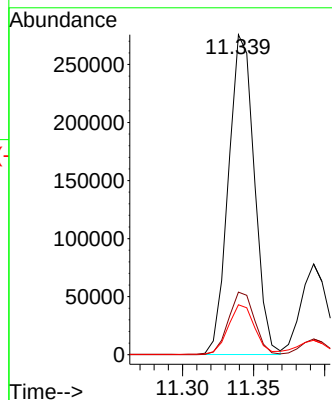
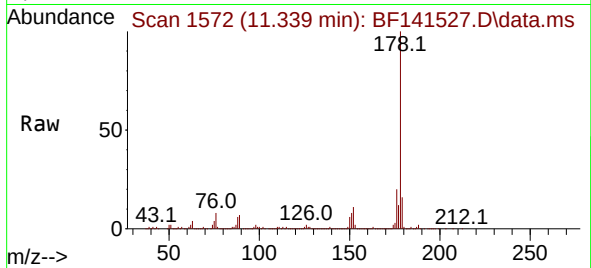




#71
Phenanthrene
Concen: 27.993 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53

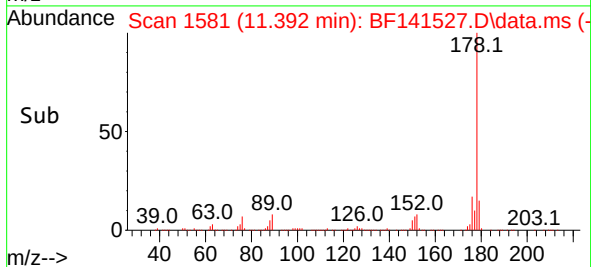
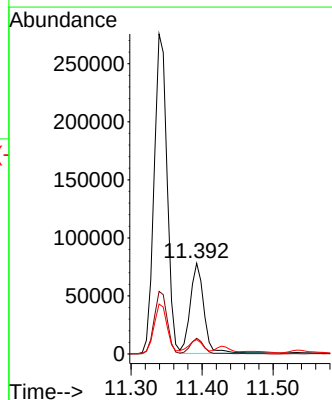
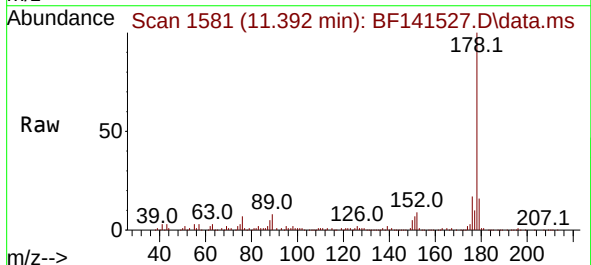
Instrument :
BNA_F
ClientSampleId :
JPP-42.1-012925

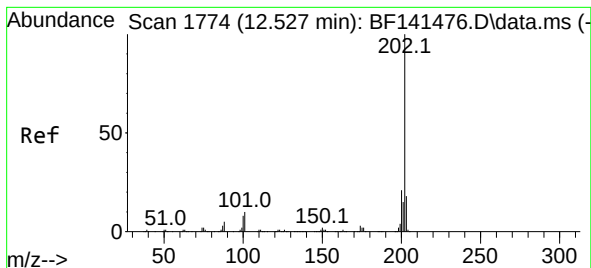
Tgt Ion:178 Resp: 348527
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.0
179 15.6 12.4 18.6



#72
Anthracene
Concen: 8.299 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53

Tgt Ion:178 Resp: 103865
Ion Ratio Lower Upper
178 100
176 17.3 14.8 22.2
179 15.8 12.4 18.6





#75

Fluoranthene

Concen: 36.148 ng

RT: 12.533 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF141527.D

Acq: 07 Feb 2025 23:53

Instrument :

BNA_F

ClientSampleId :

JPP-42.1-012925

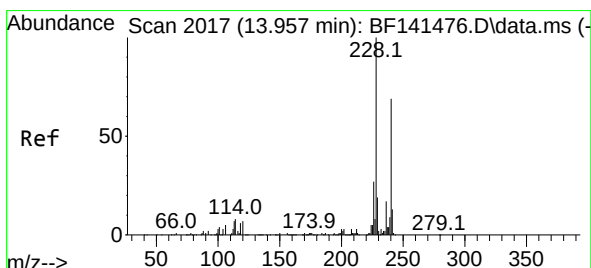
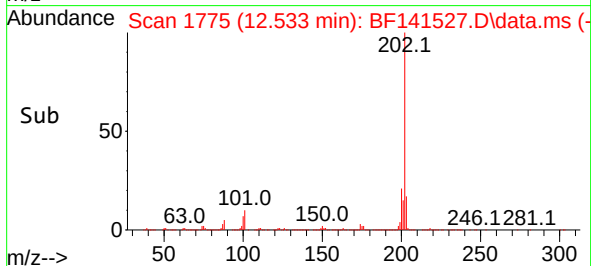
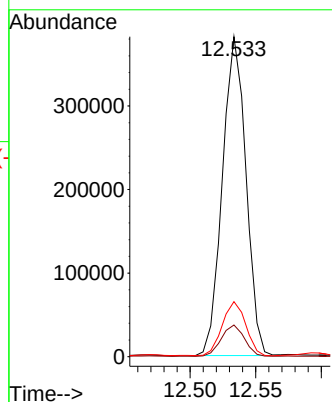
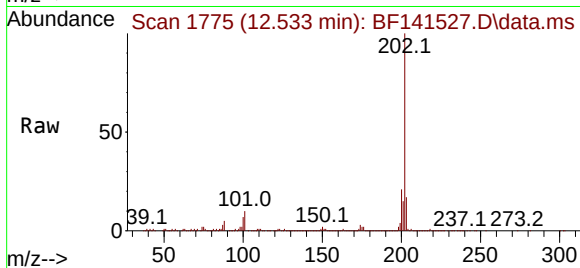
Tgt Ion:202 Resp: 477148

Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.2

203 17.2 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2018

Delta R.T. 0.000 min

Lab File: BF141527.D

Acq: 07 Feb 2025 23:53

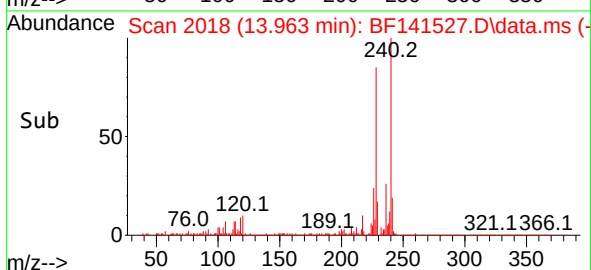
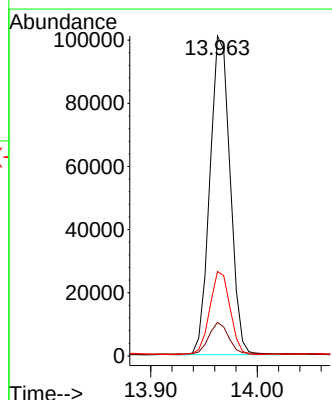
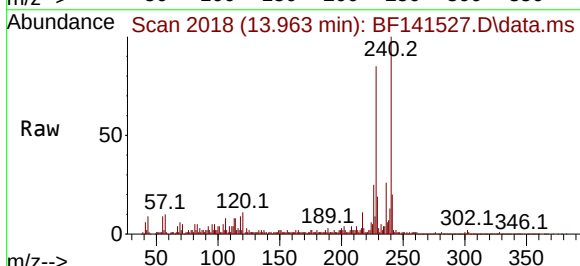
Tgt Ion:240 Resp: 133028

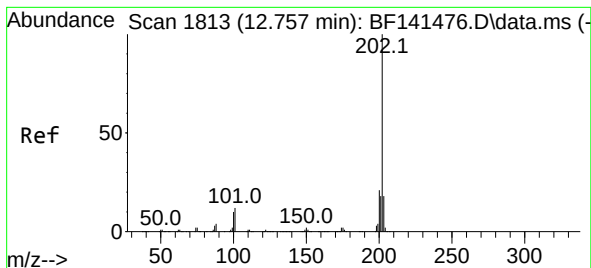
Ion Ratio Lower Upper

240 100

120 10.5 8.0 12.0

236 26.4 19.8 29.8





#78

Pyrene

Concen: 38.444 ng

RT: 12.763 min Scan# 1814

Delta R.T. 0.000 min

Lab File: BF141527.D

Acq: 07 Feb 2025 23:53

Instrument :

BNA_F

ClientSampleId :

JPP-42.1-012925

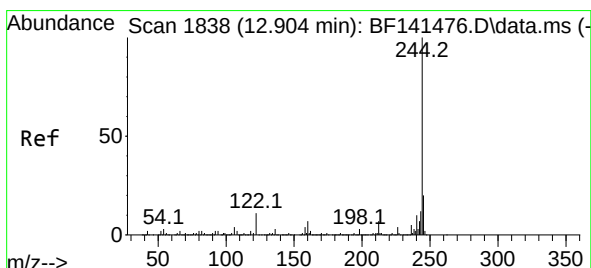
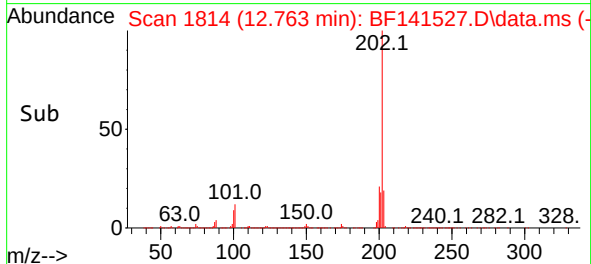
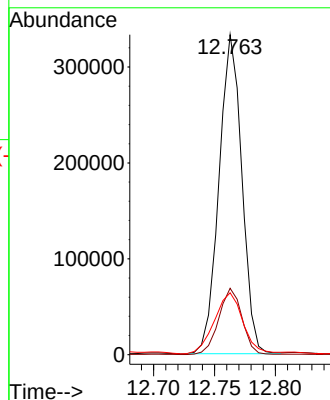
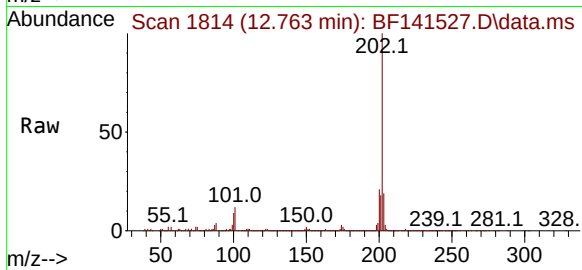
Tgt Ion:202 Resp: 435351

Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.4

203 19.4 14.3 21.5



#79

Terphenyl-d14

Concen: 39.518 ng

RT: 12.904 min Scan# 1838

Delta R.T. 0.000 min

Lab File: BF141527.D

Acq: 07 Feb 2025 23:53

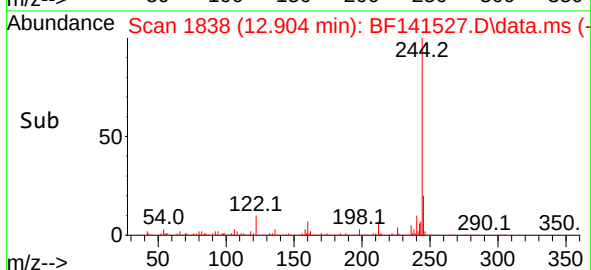
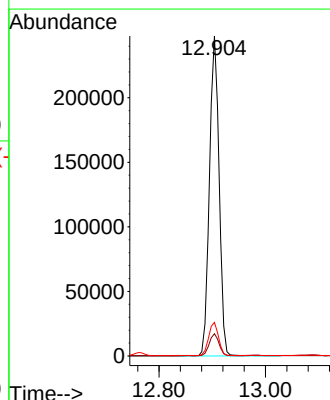
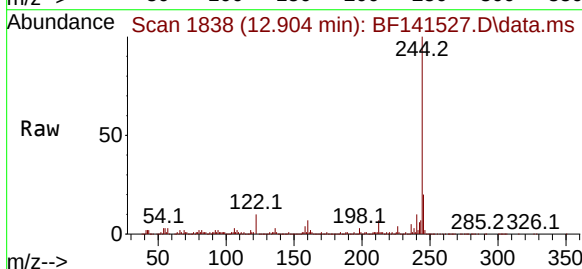
Tgt Ion:244 Resp: 311399

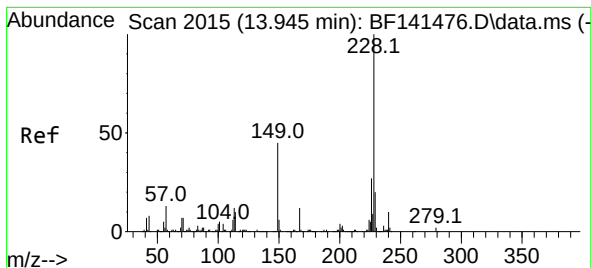
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 10.5 8.4 12.6





#81

Benzo(a)anthracene

Concen: 19.952 ng

RT: 13.957 min Scan# 2015

Delta R.T. 0.006 min

Lab File: BF141527.D

Acq: 07 Feb 2025 23:53

Instrument :

BNA_F

ClientSampleId :

JPP-42.1-012925

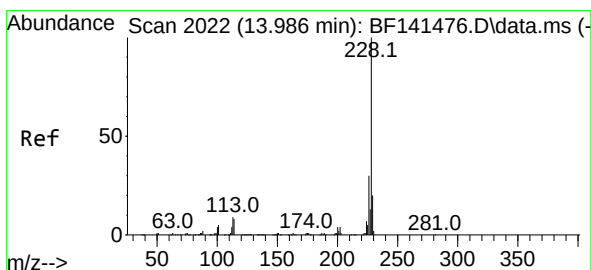
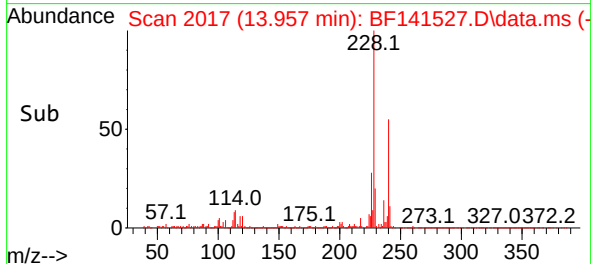
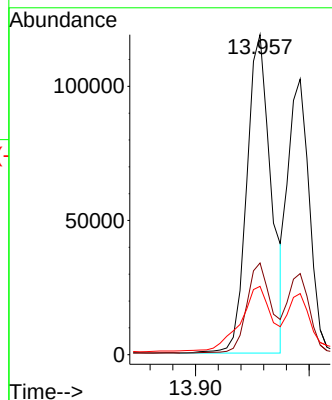
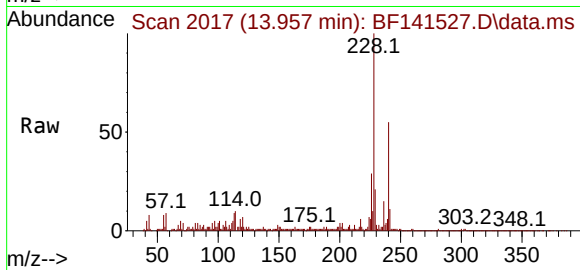
Tgt Ion:228 Resp: 176434

Ion Ratio Lower Upper

228 100

226 28.6 21.8 32.8

229 21.4 15.8 23.6



#83

Chrysene

Concen: 16.195 ng

RT: 13.992 min Scan# 2023

Delta R.T. 0.000 min

Lab File: BF141527.D

Acq: 07 Feb 2025 23:53

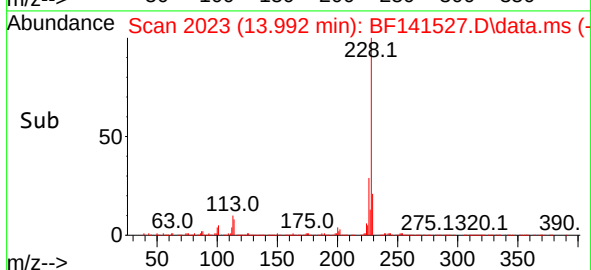
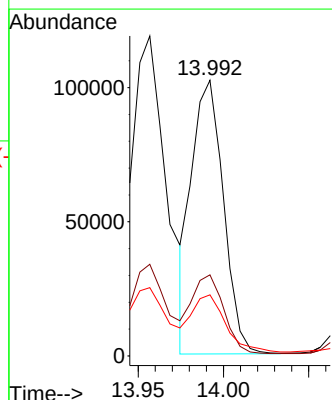
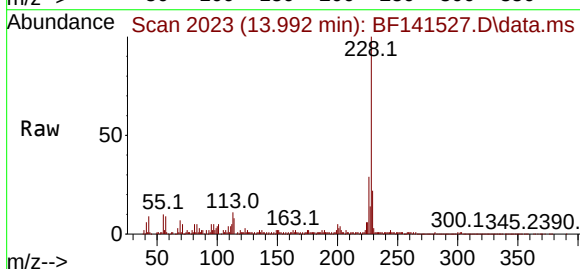
Tgt Ion:228 Resp: 132233

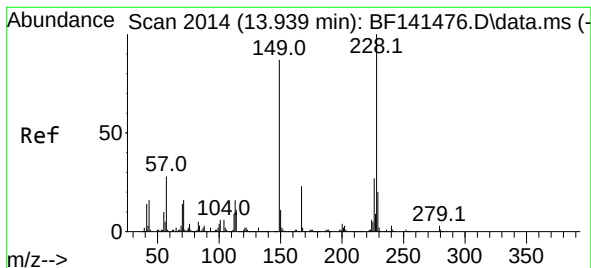
Ion Ratio Lower Upper

228 100

226 29.4 24.0 36.0

229 22.2 15.7 23.5

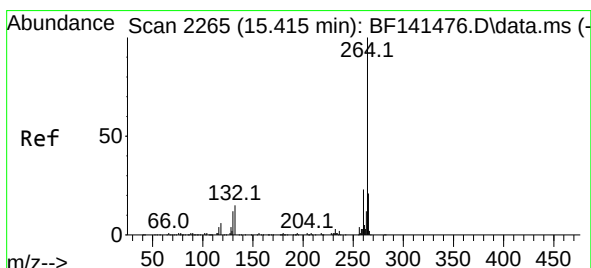
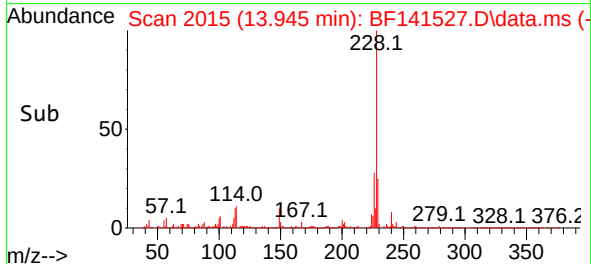
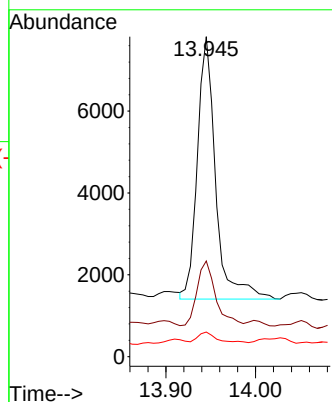
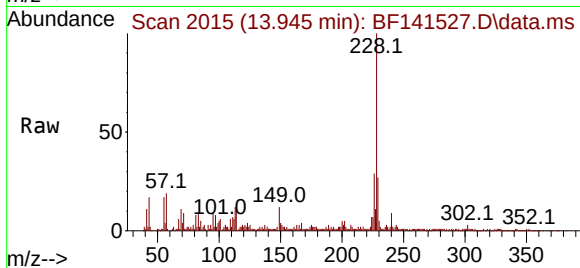




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.057 ng
 RT: 13.945 min Scan# 2014
 Delta R.T. 0.006 min
 Lab File: BF141527.D
 Acq: 07 Feb 2025 23:53

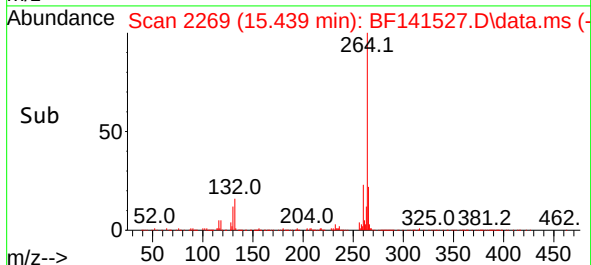
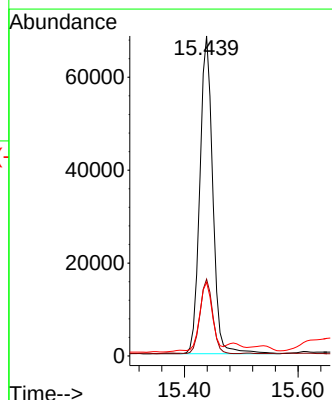
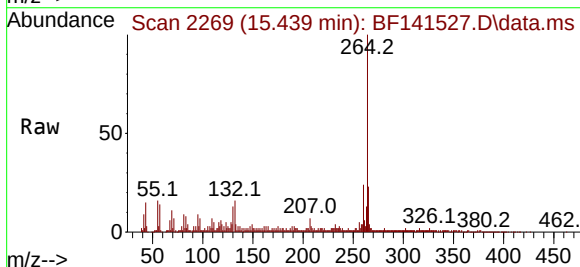
Instrument :
 BNA_F
 ClientSampleId :
 JPP-42.1-012925

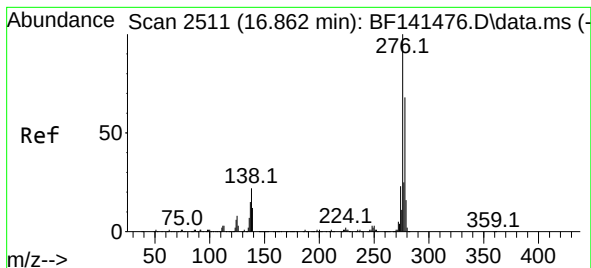
Tgt Ion:149 Resp: 9098
 Ion Ratio Lower Upper
 149 100
 167 29.9 21.4 32.0
 279 7.7 3.1 4.7#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.439 min Scan# 2269
 Delta R.T. 0.024 min
 Lab File: BF141527.D
 Acq: 07 Feb 2025 23:53

Tgt Ion:264 Resp: 108190
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.6 28.0
 265 23.0 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.849 ng

RT: 16.886 min Scan# 2115

Delta R.T. 0.012 min

Lab File: BF141527.D

Acq: 07 Feb 2025 23:53

Instrument :

BNA_F

ClientSampleId :

JPP-42.1-012925

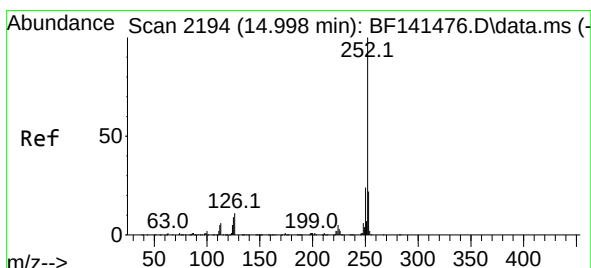
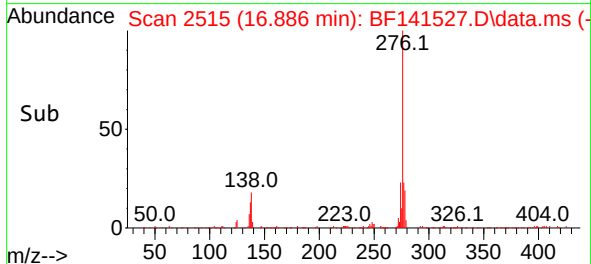
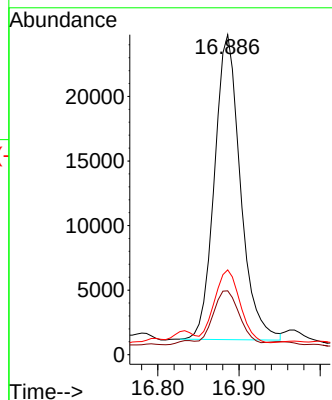
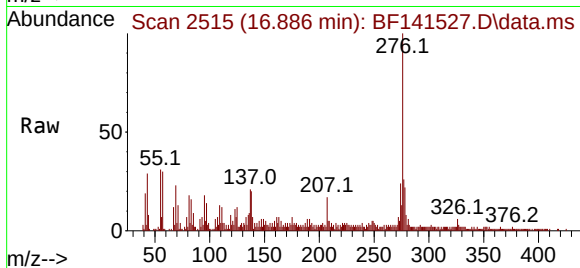
Tgt Ion:276 Resp: 52470

Ion Ratio Lower Upper

276 100

138 19.0 18.0 27.0

277 23.8 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 26.605 ng

RT: 15.016 min Scan# 2197

Delta R.T. 0.012 min

Lab File: BF141527.D

Acq: 07 Feb 2025 23:53

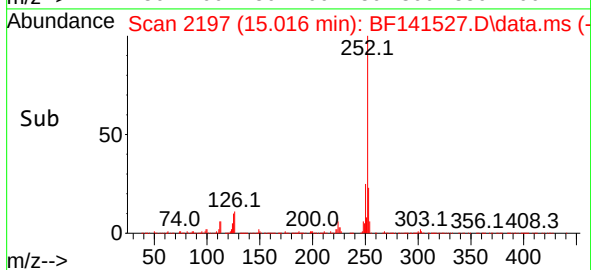
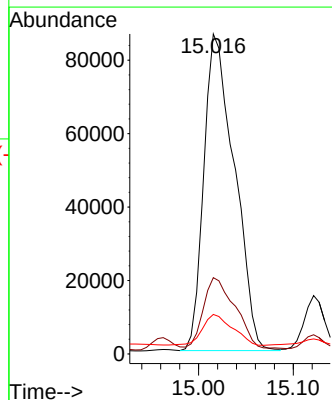
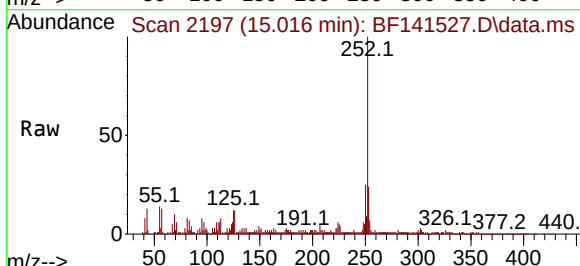
Tgt Ion:252 Resp: 193273

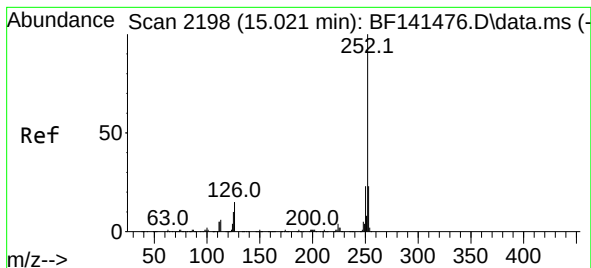
Ion Ratio Lower Upper

252 100

253 23.9 17.5 26.3

125 12.4 7.0 10.6#





#89

Benzo(k)fluoranthene

Concen: 31.157 ng

RT: 15.016 min Scan# 2198

Delta R.T. -0.017 min

Lab File: BF141527.D

Acq: 07 Feb 2025 23:53

Instrument :

BNA_F

ClientSampleId :

JPP-42.1-012925

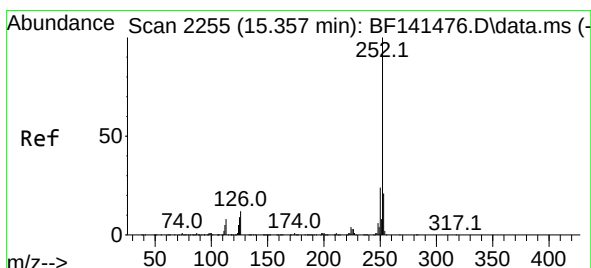
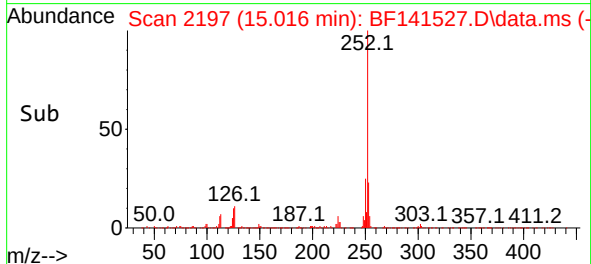
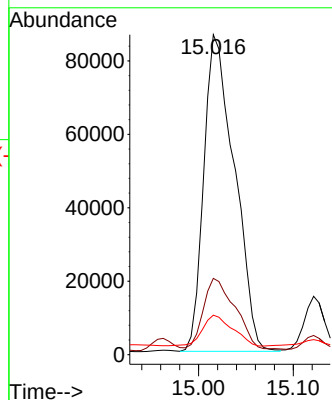
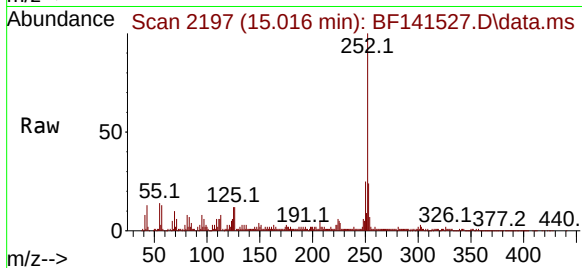
Tgt Ion:252 Resp: 193273

Ion Ratio Lower Upper

252 100

253 23.9 18.0 27.0

125 12.4 7.4 11.0#



#90

Benzo(a)pyrene

Concen: 18.634 ng

RT: 15.374 min Scan# 2258

Delta R.T. 0.012 min

Lab File: BF141527.D

Acq: 07 Feb 2025 23:53

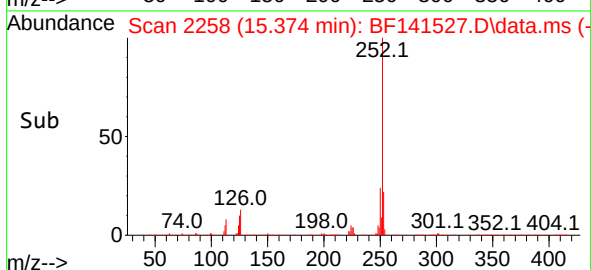
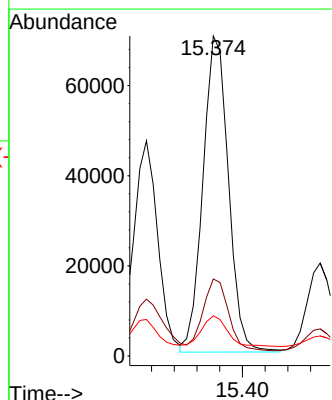
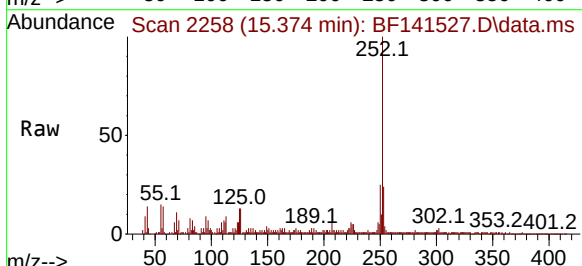
Tgt Ion:252 Resp: 109532

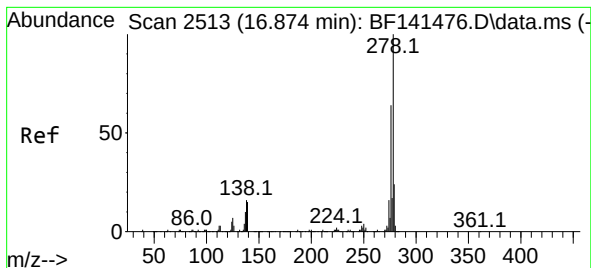
Ion Ratio Lower Upper

252 100

253 24.1 17.1 25.7

125 12.6 7.4 11.2#





#91

Dibenzo(a,h)anthracene

Concen: 2.504 ng

RT: 16.892 min Scan# 2516

Delta R.T. 0.000 min

Lab File: BF141527.D

Acq: 07 Feb 2025 23:53

Instrument :

BNA_F

ClientSampleId :

JPP-42.1-012925

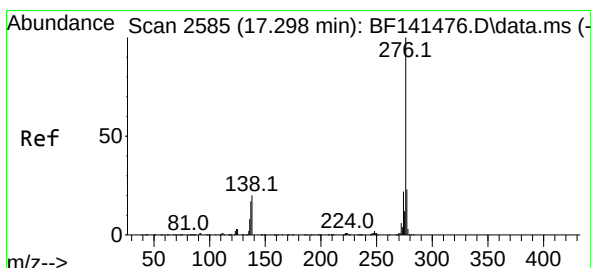
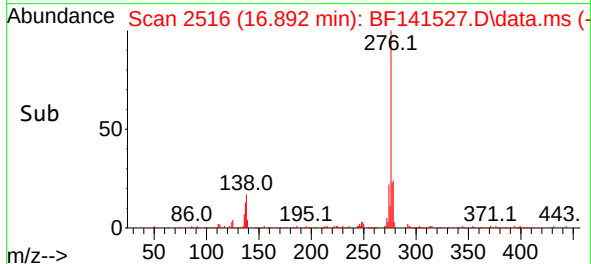
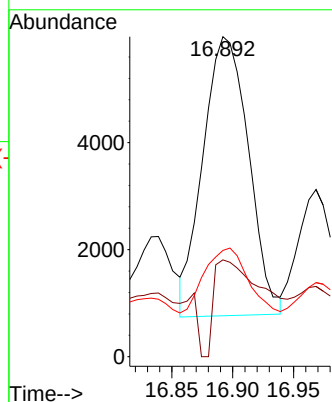
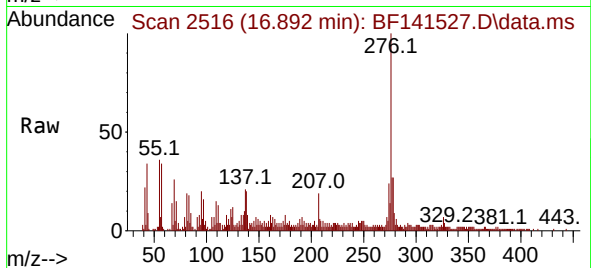
Tgt Ion:278 Resp: 13566

Ion Ratio Lower Upper

278 100

139 30.2 11.8 17.6#

279 33.2 19.1 28.7#



#92

Benzo(g,h,i)perylene

Concen: 9.497 ng

RT: 17.321 min Scan# 2589

Delta R.T. 0.006 min

Lab File: BF141527.D

Acq: 07 Feb 2025 23:53

Tgt Ion:276 Resp: 53835

Ion Ratio Lower Upper

276 100

277 25.9 18.6 28.0

138 22.4 15.9 23.9

