

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141522.D
 Acq On : 07 Feb 2025 21:40
 Operator : RC/JU
 Sample : Q1235-07 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-16.1-012925

Quant Time: Feb 07 22:28:26 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)

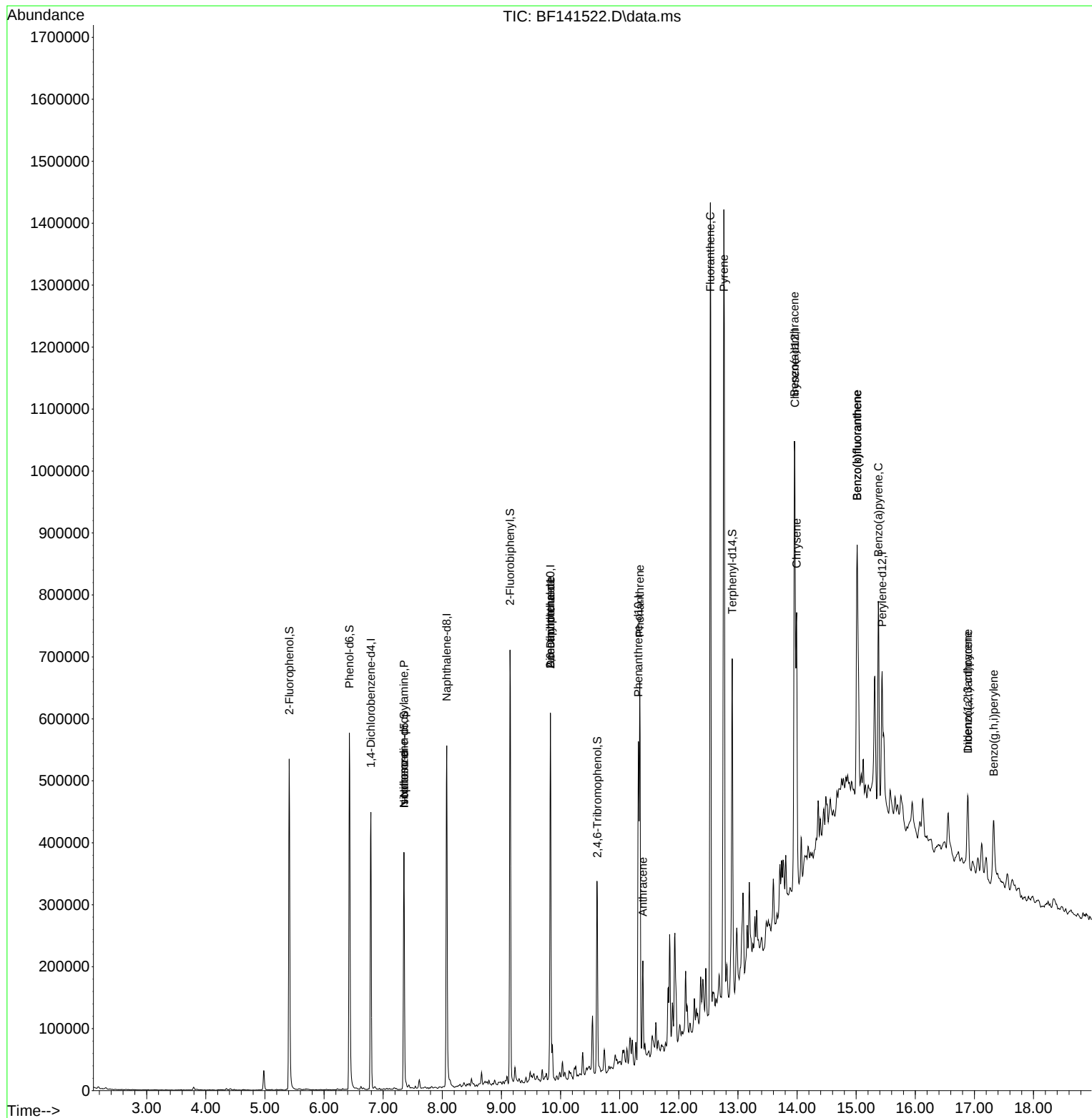
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	91628	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	347094	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	170343	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	255902	20.000	ng	0.00
76) Chrysene-d12	13.963	240	155441	20.000	ng	0.00
86) Perylene-d12	15.439	264	120766	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	200043	34.227	ng	0.00
7) Phenol-d6	6.428	99	257096	34.804	ng	-0.01
23) Nitrobenzene-d5	7.351	82	161860	24.323	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	44636	26.085	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	304796	27.567	ng	0.00
79) Terphenyl-d14	12.904	244	253037	27.481	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	22139	5.010	ng	# 76
25) Isophorone	7.351	82	153028	14.422	ng	# 66
50) Dimethylphthalate	9.828	163	24284	2.100	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	22480	8.892	ng	# 23
71) Phenanthrene	11.339	178	322056	22.863	ng	100
72) Anthracene	11.392	178	90802	6.413	ng	100
75) Fluoranthene	12.533	202	739267	49.502	ng	100
78) Pyrene	12.763	202	745126	56.311	ng	99
81) Benzo(a)anthracene	13.957	228	317812	30.758	ng	96
83) Chrysene	13.992	228	229228	24.026	ng	97
87) Indeno(1,2,3-cd)pyrene	16.886	276	94040	12.602	ng	97
88) Benzo(b)fluoranthene	15.016	252	340928	42.044	ng	# 96
89) Benzo(k)fluoranthene	15.016	252	340928	49.237	ng	97
90) Benzo(a)pyrene	15.374	252	190748	29.071	ng	# 95
91) Dibenzo(a,h)anthracene	16.892	278	23207	3.838	ng	# 77
92) Benzo(g,h,i)perylene	17.327	276	95582	15.106	ng	98

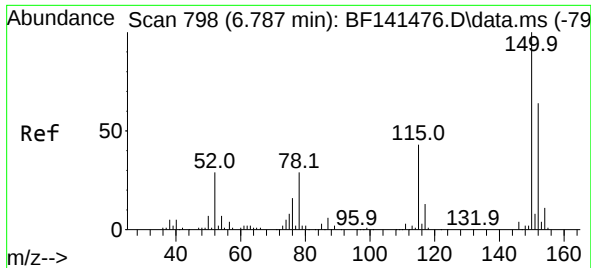
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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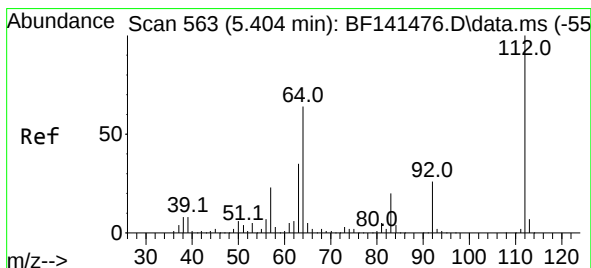
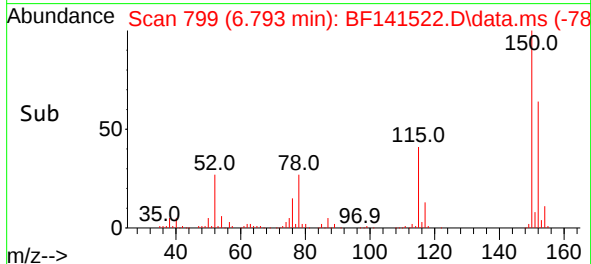
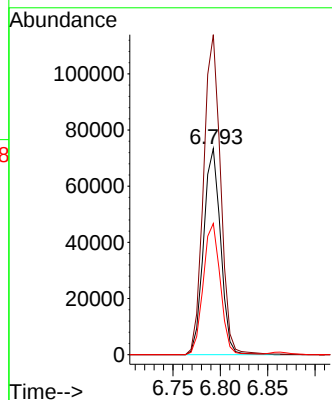
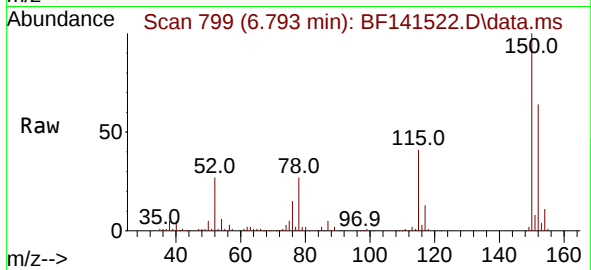




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 798
Delta R.T. 0.001 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40

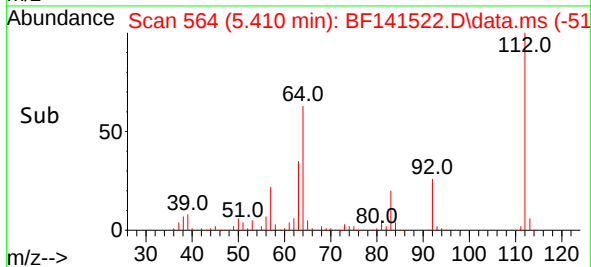
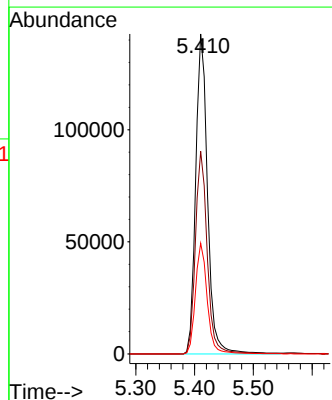
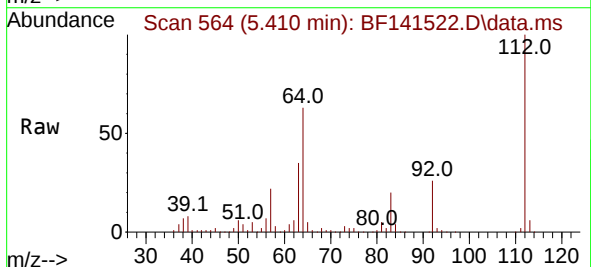
Instrument :
BNA_F
ClientSampleId :
JPP-16.1-012925

Tgt Ion:152 Resp: 91628
Ion Ratio Lower Upper
152 100
150 155.3 125.0 187.4
115 63.7 53.6 80.4



#5
2-Fluorophenol
Concen: 34.227 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40

Tgt Ion:112 Resp: 200043
Ion Ratio Lower Upper
112 100
64 63.4 51.1 76.7
63 34.6 28.4 42.6

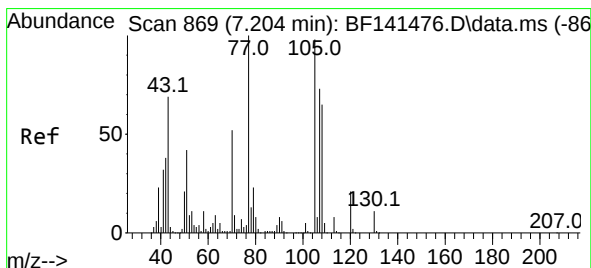
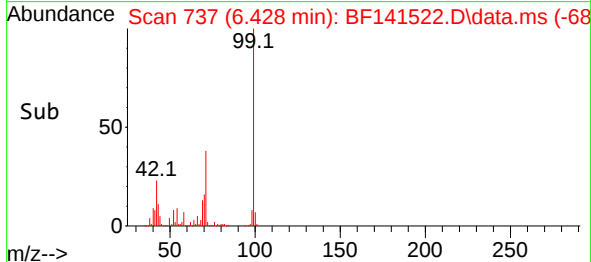
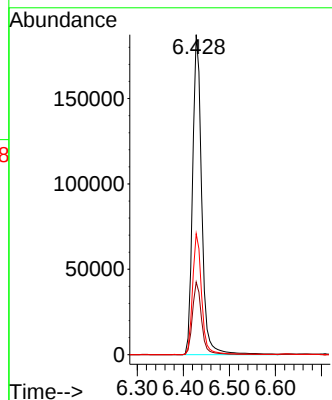
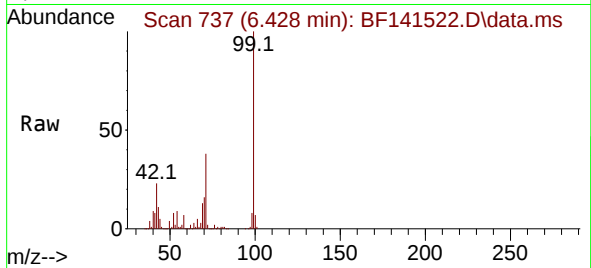




#7
Phenol-d6
Concen: 34.804 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40

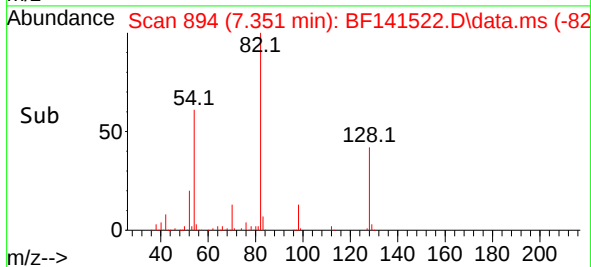
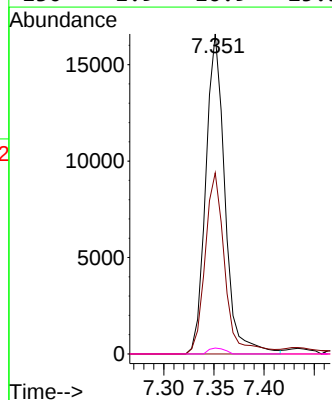
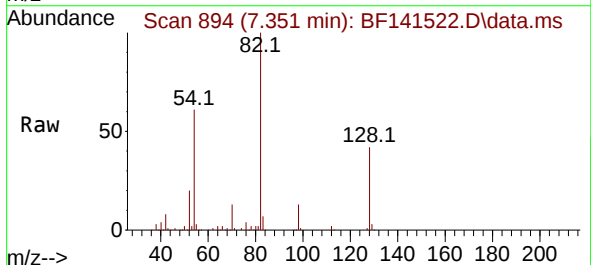
Instrument :
BNA_F
ClientSampleId :
JPP-16.1-012925

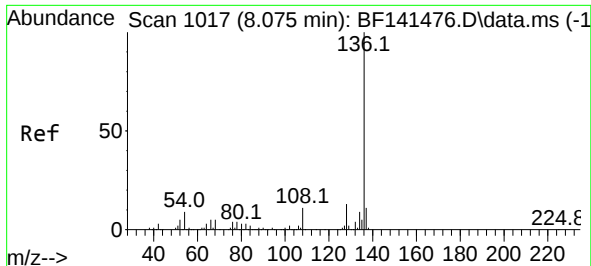
Tgt Ion: 99 Resp: 257096
Ion Ratio Lower Upper
99 100
42 22.7 19.1 28.7
71 37.8 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 5.010 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40

Tgt Ion: 70 Resp: 22139
Ion Ratio Lower Upper
70 100
42 56.6 57.4 86.2#
101 0.0 8.0 12.0#
130 1.9 16.9 25.3#

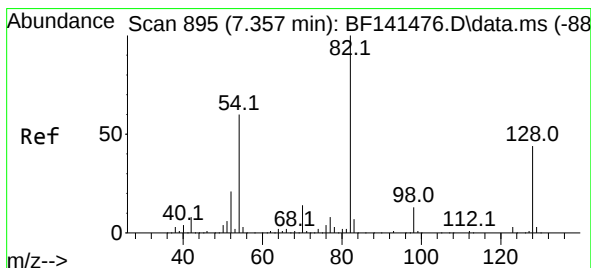
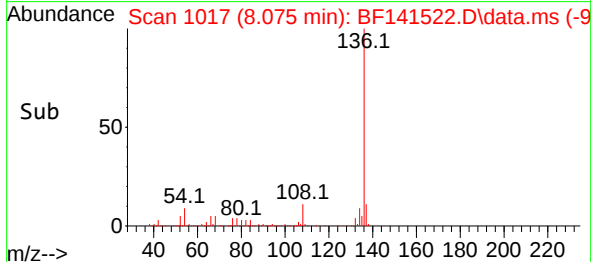
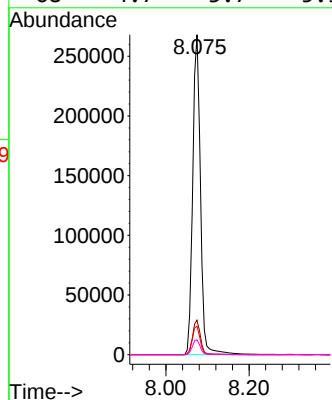
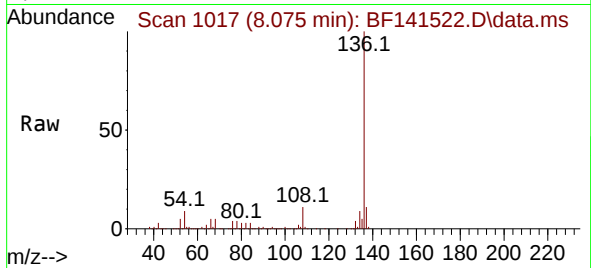




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40

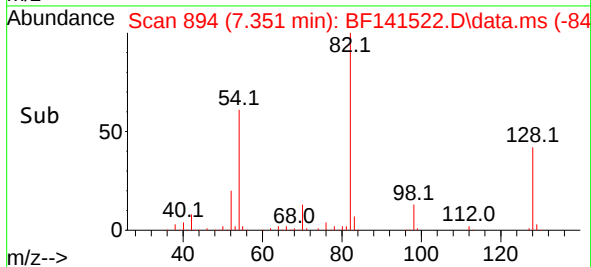
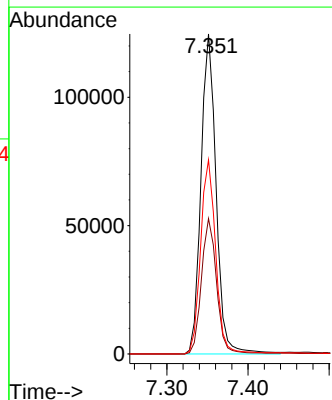
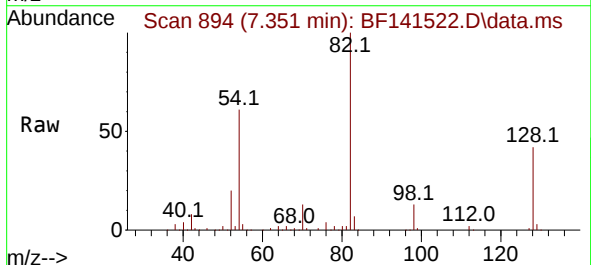
Instrument :
BNA_F
ClientSampleId :
JPP-16.1-012925

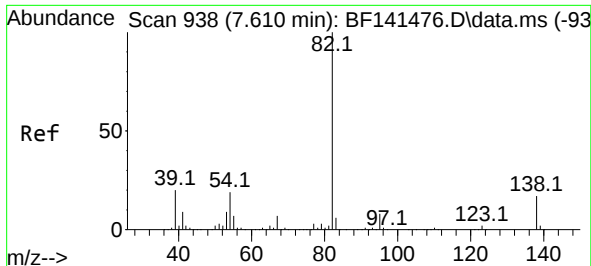
Tgt	Ion:136	Resp:	347094
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.9	7.2	10.8
68	4.7	3.7	5.5



#23
Nitrobenzene-d5
Concen: 24.323 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40

Tgt Ion: 82	Resp: 161860
Ion Ratio	Lower Upper
82 100	
128 42.3	34.8 52.2
54 60.7	48.2 72.4

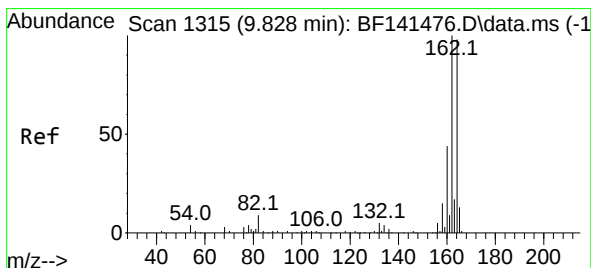
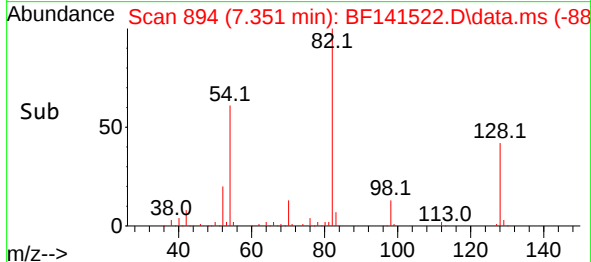
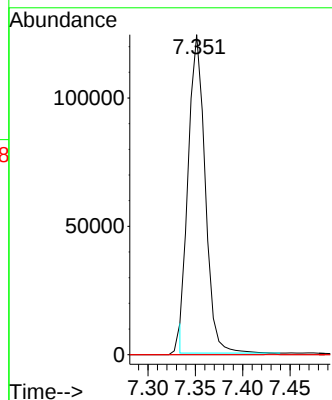
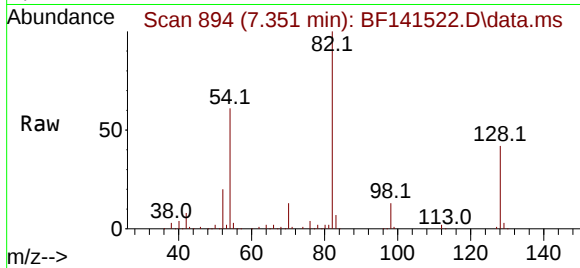




#25
Isophorone
Concen: 14.422 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40

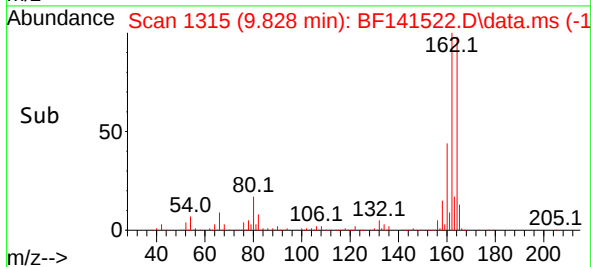
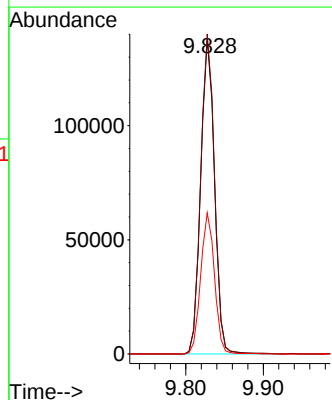
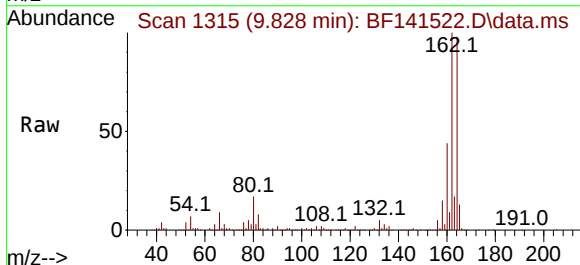
Instrument :
BNA_F
ClientSampleId :
JPP-16.1-012925

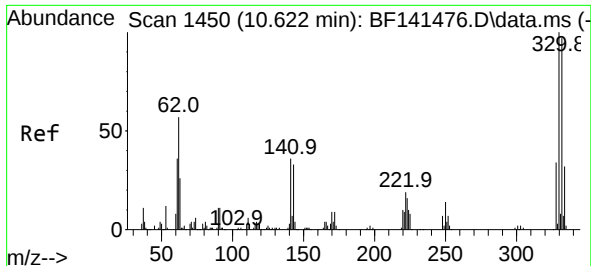
Tgt Ion: 82 Resp: 153028
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40

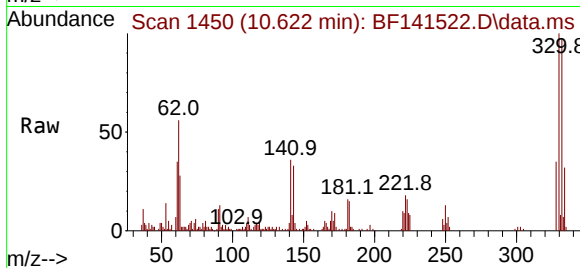
Tgt Ion:164 Resp: 170343
Ion Ratio Lower Upper
164 100
162 101.6 81.3 121.9
160 44.8 35.9 53.9



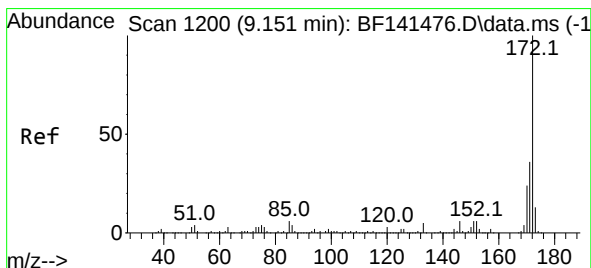
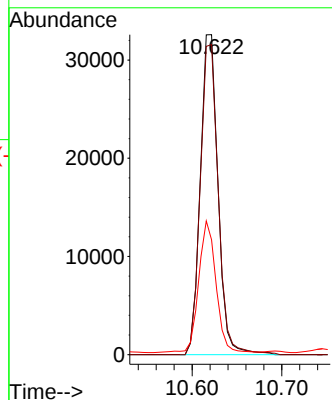
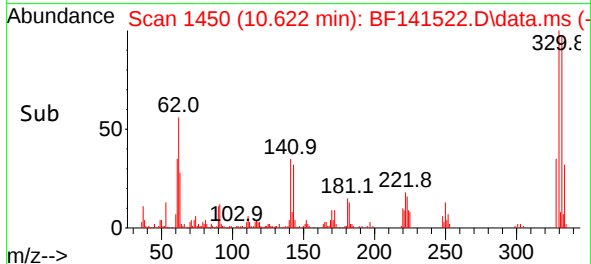


#42
 2,4,6-Tribromophenol
 Concen: 26.085 ng
 RT: 10.622 min Scan# 1450
 Delta R.T. -0.006 min
 Lab File: BF141522.D
 Acq: 07 Feb 2025 21:40

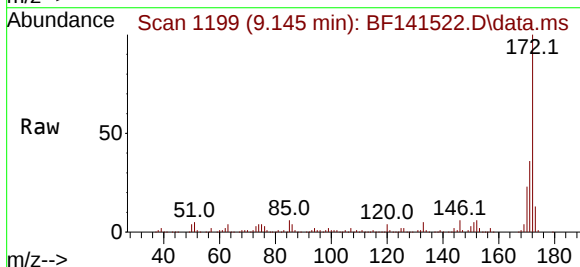
Instrument :
 BNA_F
 ClientSampleId :
 JPP-16.1-012925



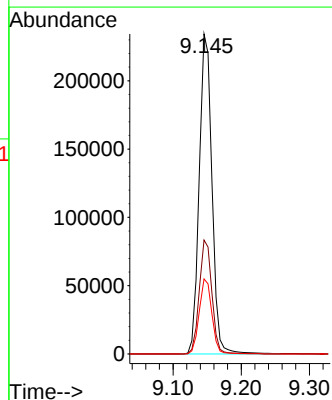
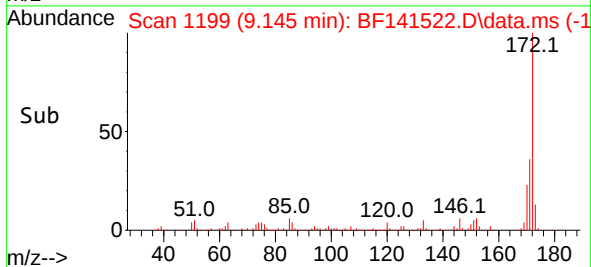
Tgt Ion: 330 Resp: 44636
 Ion Ratio Lower Upper
 330 100
 332 98.7 78.5 117.7
 141 40.2 31.0 46.4

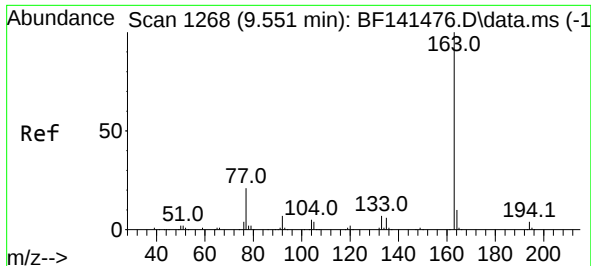


#45
 2-Fluorobiphenyl
 Concen: 27.567 ng
 RT: 9.145 min Scan# 1199
 Delta R.T. -0.006 min
 Lab File: BF141522.D
 Acq: 07 Feb 2025 21:40



Tgt Ion: 172 Resp: 304796
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.7 43.1
 170 23.4 18.9 28.3

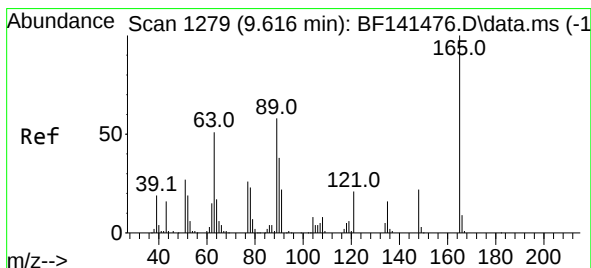
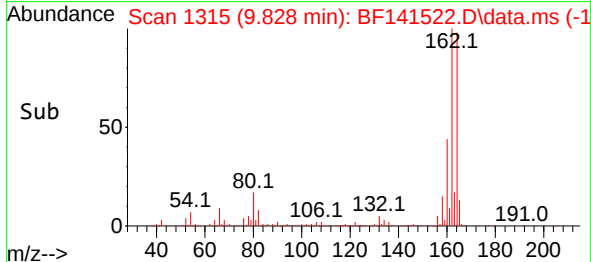
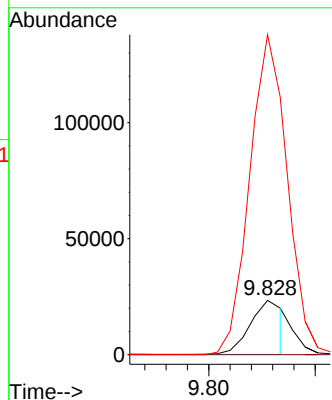
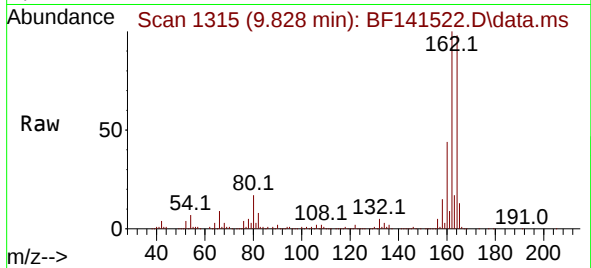




#50
Dimethylphthalate
Concen: 2.100 ng
RT: 9.828 min Scan# 1315
Delta R.T. 0.265 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40

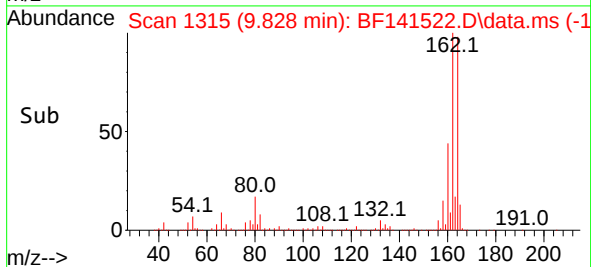
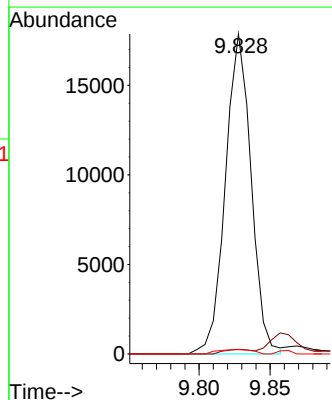
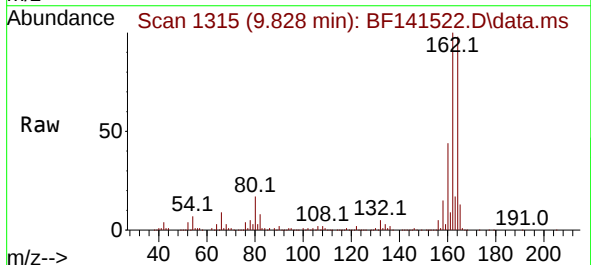
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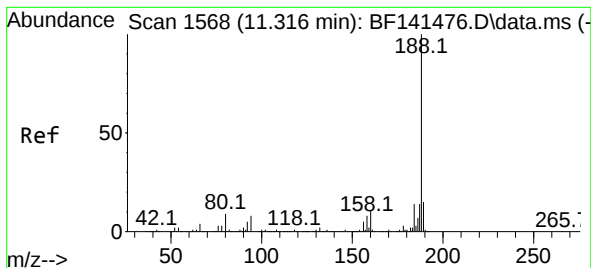
Tgt Ion:163 Resp: 24284
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 589.8 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 8.892 ng
RT: 9.828 min Scan# 1315
Delta R.T. 0.206 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40

Tgt Ion:165 Resp: 22480
Ion Ratio Lower Upper
165 100
63 1.5 49.4 74.0#
89 1.3 46.5 69.7#

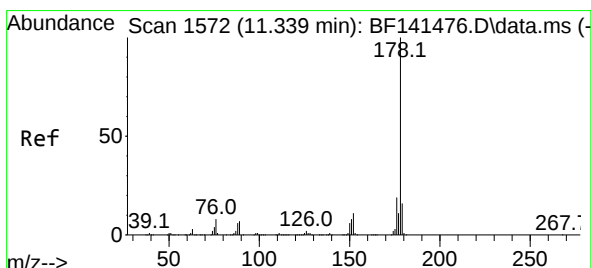
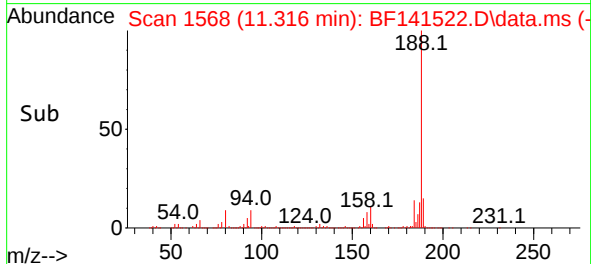
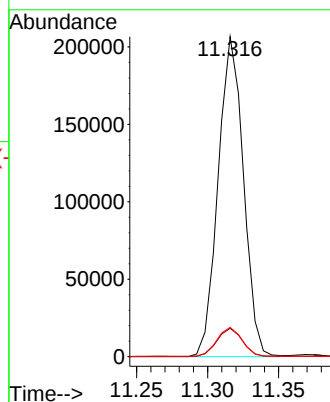
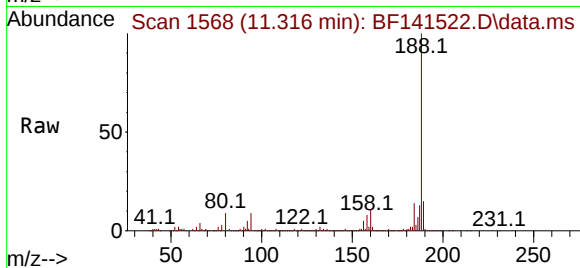




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40

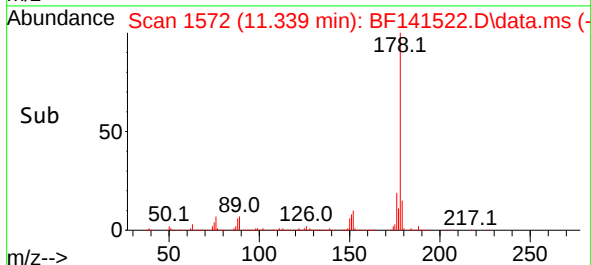
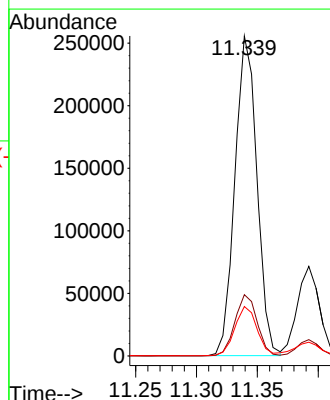
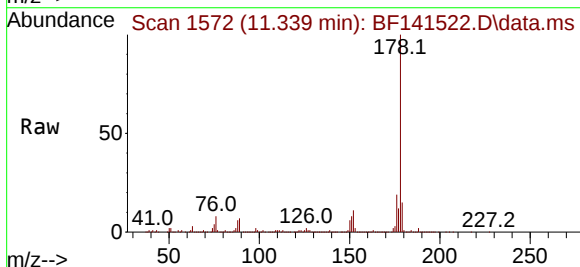
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JPP-16.1-012925

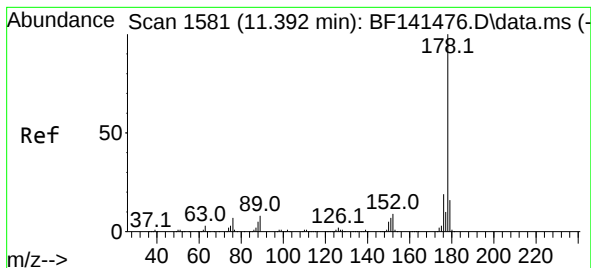
Tgt Ion:188 Resp: 255902
Ion Ratio Lower Upper
188 100
94 8.8 6.6 10.0
80 9.2 7.3 10.9



#71
Phenanthrene
Concen: 22.863 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40

Tgt Ion:178 Resp: 322056
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.5 12.4 18.6





#72

Anthracene

Concen: 6.413 ng

RT: 11.392 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141522.D

Acq: 07 Feb 2025 21:40

Instrument :

BNA_F

ClientSampleId :

JPP-16.1-012925

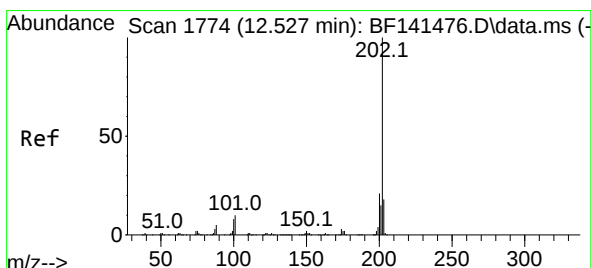
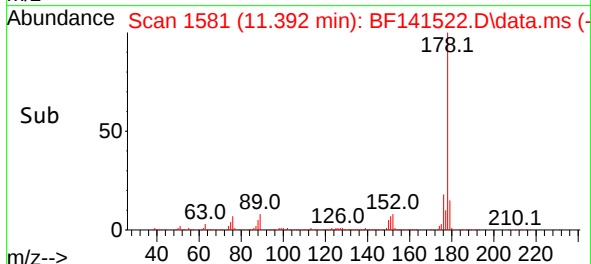
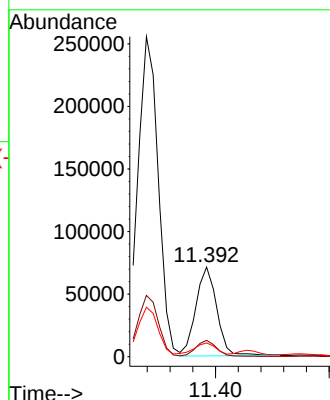
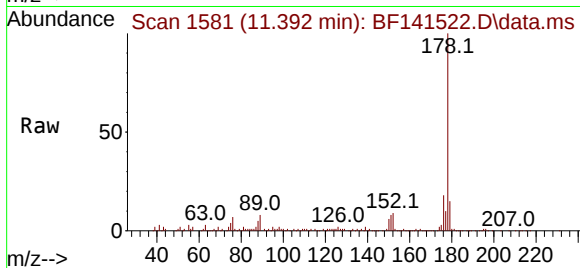
Tgt Ion:178 Resp: 90802

Ion Ratio Lower Upper

178 100

176 18.3 14.8 22.2

179 15.4 12.4 18.6



#75

Fluoranthene

Concen: 49.502 ng

RT: 12.533 min Scan# 1775

Delta R.T. 0.000 min

Lab File: BF141522.D

Acq: 07 Feb 2025 21:40

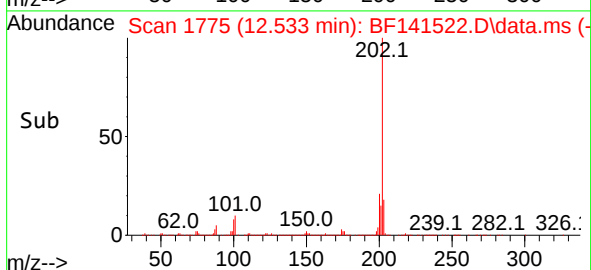
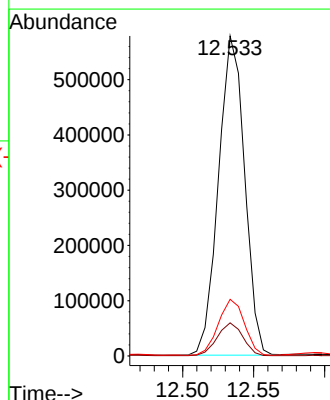
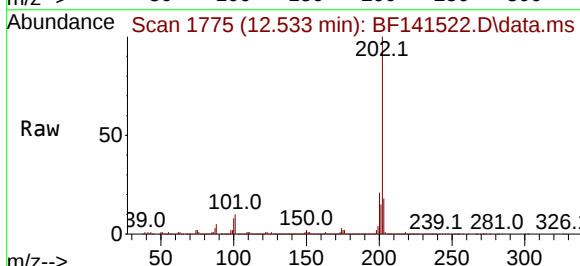
Tgt Ion:202 Resp: 739267

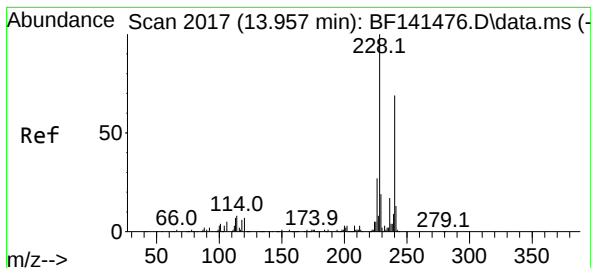
Ion Ratio Lower Upper

202 100

101 10.4 0.0 30.2

203 17.7 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2017

Delta R.T. 0.000 min

Lab File: BF141522.D

Acq: 07 Feb 2025 21:40

Instrument :

BNA_F

ClientSampleId :

JPP-16.1-012925

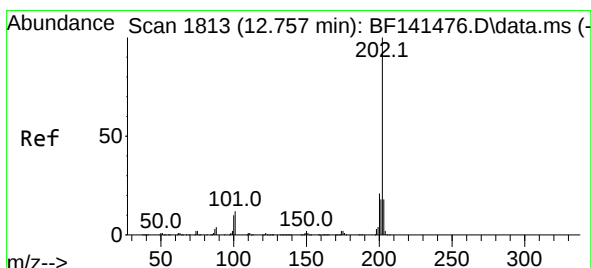
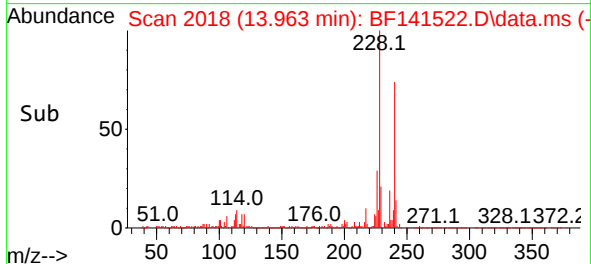
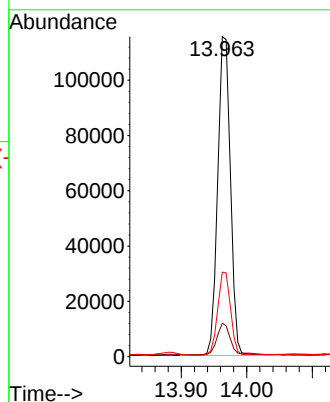
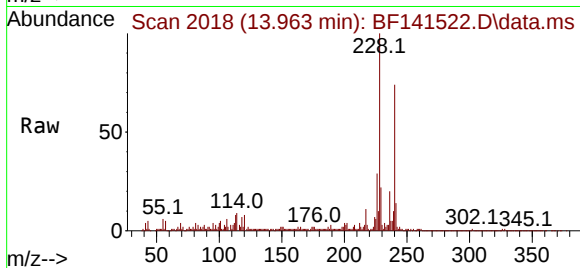
Tgt Ion:240 Resp: 155441

Ion Ratio Lower Upper

240 100

120 10.4 8.0 12.0

236 26.4 19.8 29.8



#78

Pyrene

Concen: 56.311 ng

RT: 12.763 min Scan# 1814

Delta R.T. 0.000 min

Lab File: BF141522.D

Acq: 07 Feb 2025 21:40

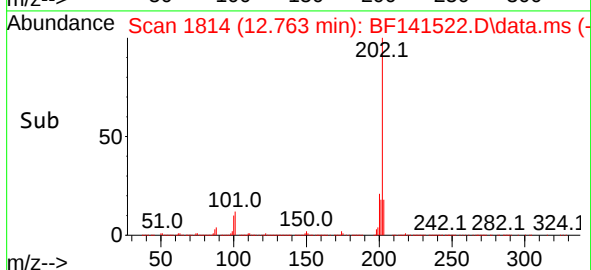
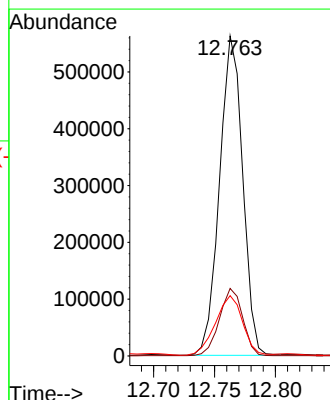
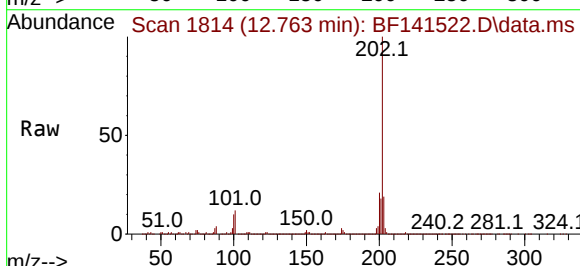
Tgt Ion:202 Resp: 745126

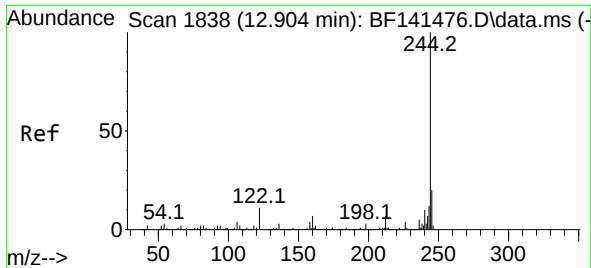
Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.4

203 18.9 14.3 21.5

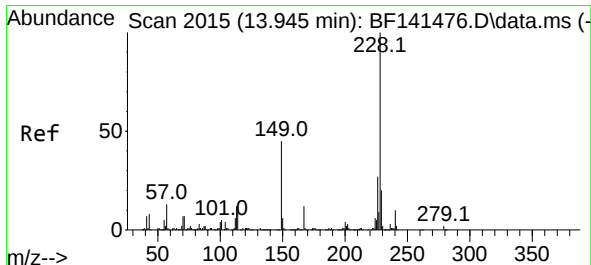
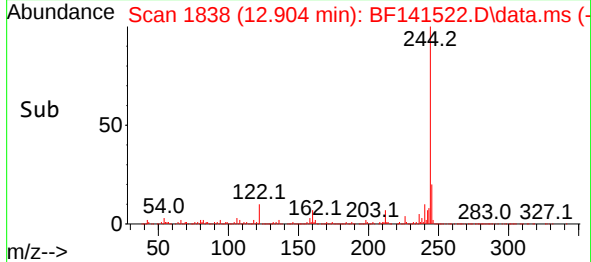
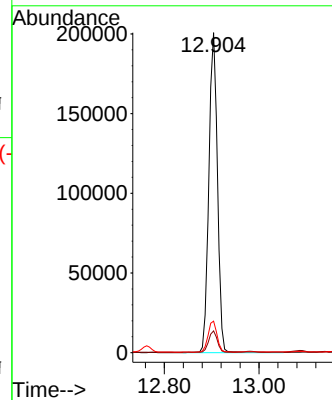
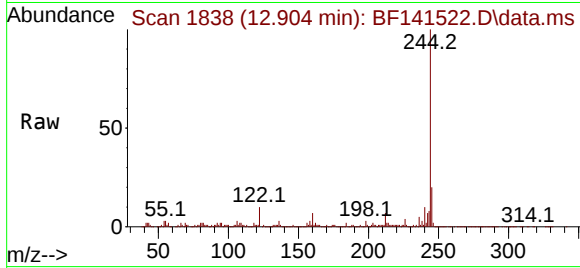




#79
 Terphenyl-d14
 Concen: 27.481 ng
 RT: 12.904 min Scan# 1838
 Delta R.T. 0.000 min
 Lab File: BF141522.D
 Acq: 07 Feb 2025 21:40

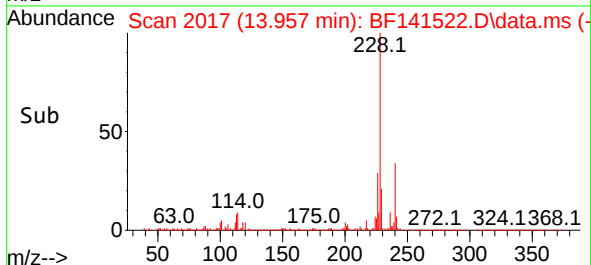
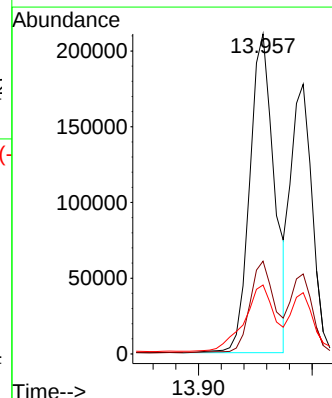
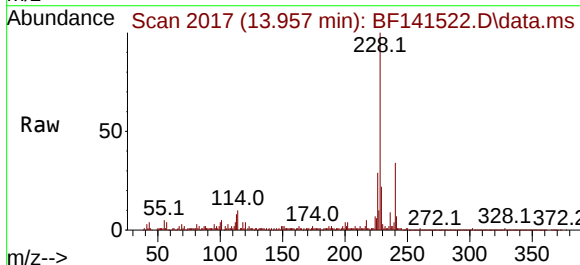
Instrument :
 BNA_F
 ClientSampleId :
 JPP-16.1-012925

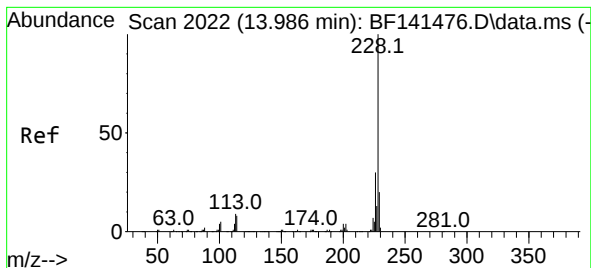
Tgt Ion:244 Resp: 253037
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 9.9 8.4 12.6



#81
 Benzo(a)anthracene
 Concen: 30.758 ng
 RT: 13.957 min Scan# 2017
 Delta R.T. 0.006 min
 Lab File: BF141522.D
 Acq: 07 Feb 2025 21:40

Tgt Ion:228 Resp: 317812
 Ion Ratio Lower Upper
 228 100
 226 29.0 21.8 32.8
 229 21.6 15.8 23.6





#83

Chrysene

Concen: 24.026 ng

RT: 13.992 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF141522.D

Acq: 07 Feb 2025 21:40

Instrument :

BNA_F

ClientSampleId :

JPP-16.1-012925

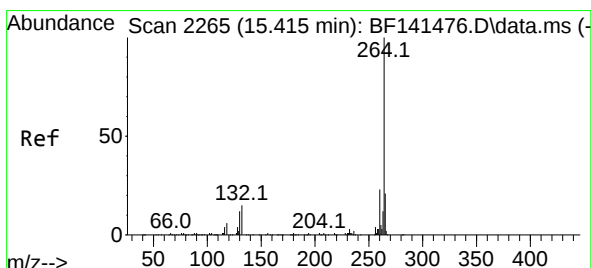
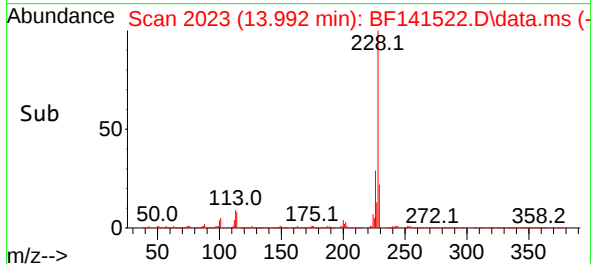
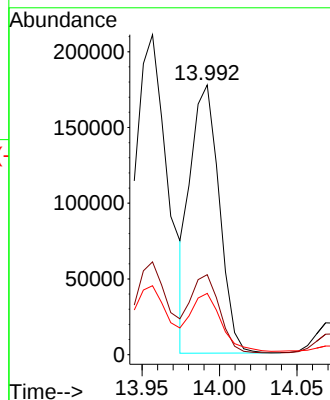
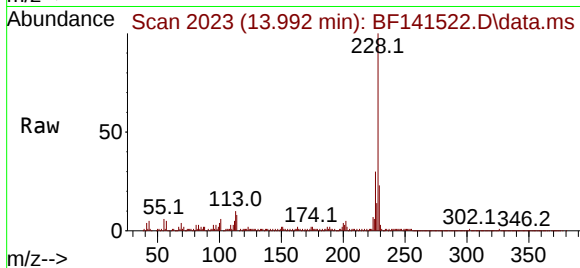
Tgt Ion:228 Resp: 229228

Ion Ratio Lower Upper

228 100

226 29.7 24.0 36.0

229 22.7 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2269

Delta R.T. 0.024 min

Lab File: BF141522.D

Acq: 07 Feb 2025 21:40

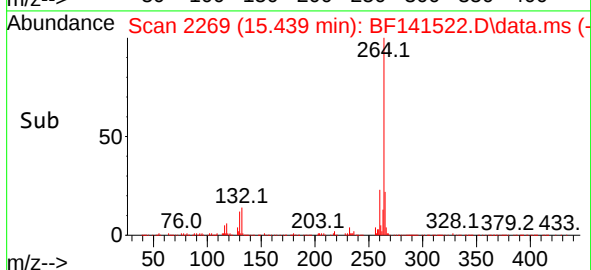
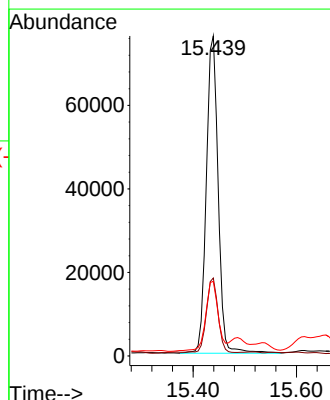
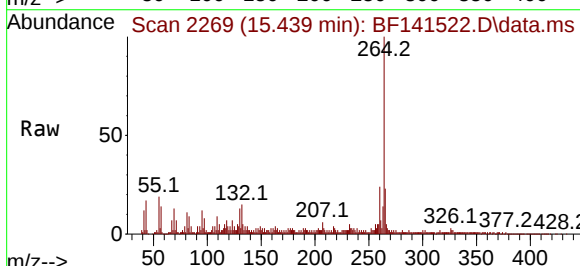
Tgt Ion:264 Resp: 120766

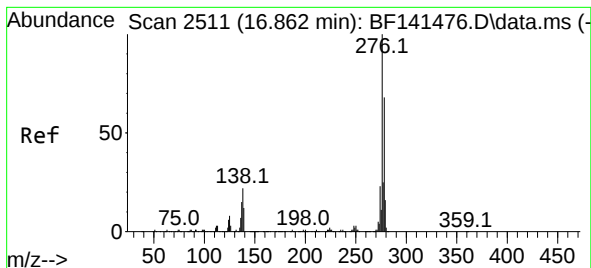
Ion Ratio Lower Upper

264 100

260 24.4 18.6 28.0

265 23.3 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 12.602 ng

RT: 16.886 min Scan# 2115

Delta R.T. 0.012 min

Lab File: BF141522.D

Acq: 07 Feb 2025 21:40

Instrument :

BNA_F

ClientSampleId :

JPP-16.1-012925

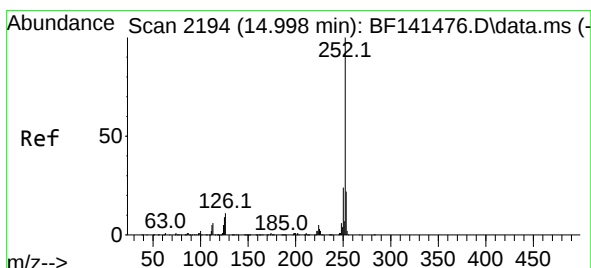
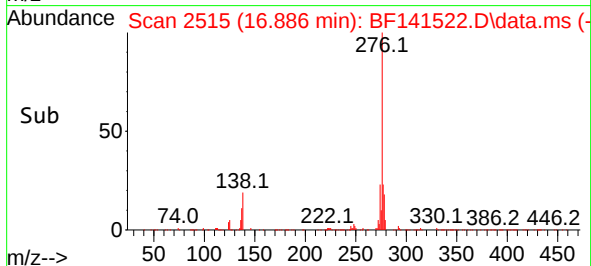
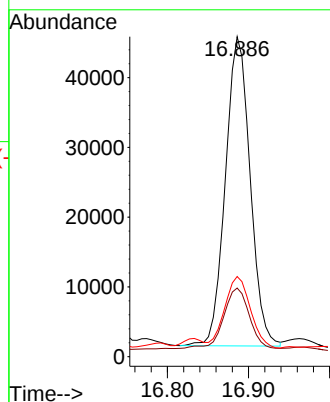
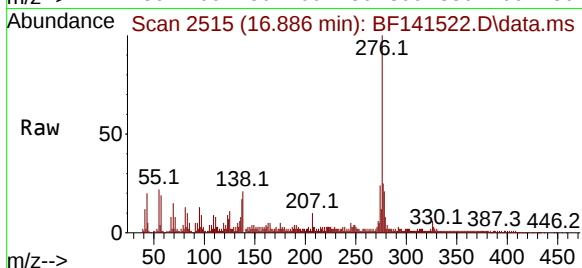
Tgt Ion:276 Resp: 94040

Ion Ratio Lower Upper

276 100

138 20.5 18.0 27.0

277 24.1 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 42.044 ng

RT: 15.016 min Scan# 2197

Delta R.T. 0.012 min

Lab File: BF141522.D

Acq: 07 Feb 2025 21:40

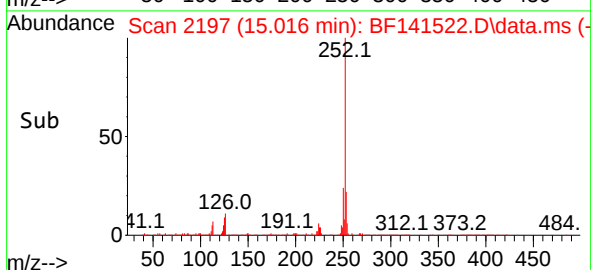
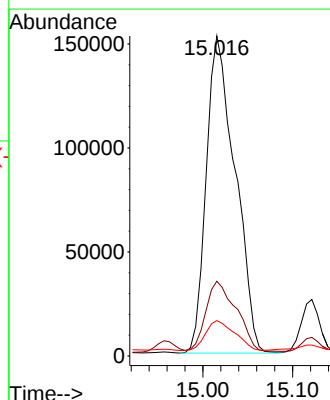
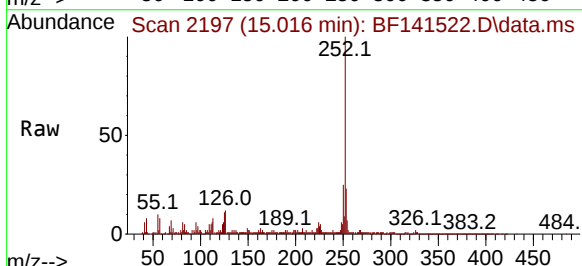
Tgt Ion:252 Resp: 340928

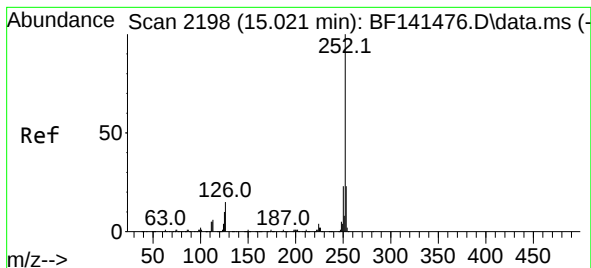
Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

125 11.0 7.0 10.6#





#89

Benzo(k)fluoranthene

Concen: 49.237 ng

RT: 15.016 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF141522.D

Acq: 07 Feb 2025 21:40

Instrument :

BNF

ClientSampleId :

JPP-16.1-012925

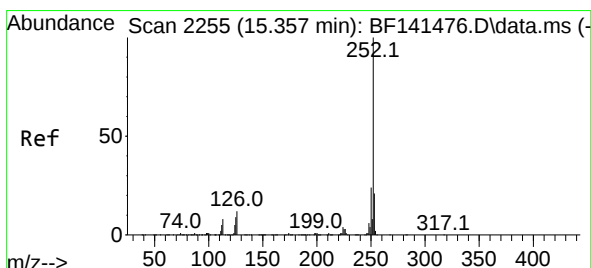
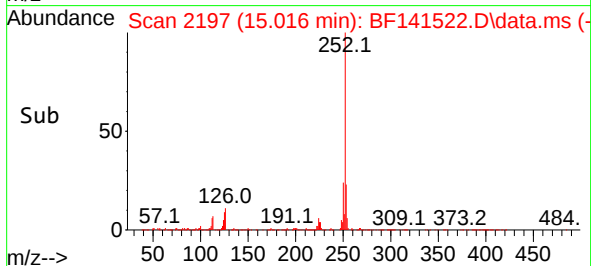
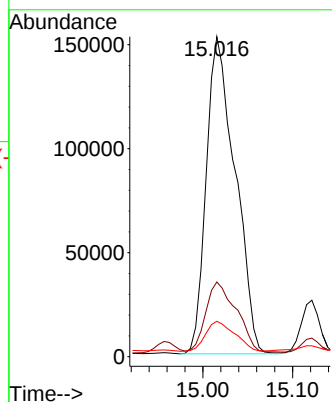
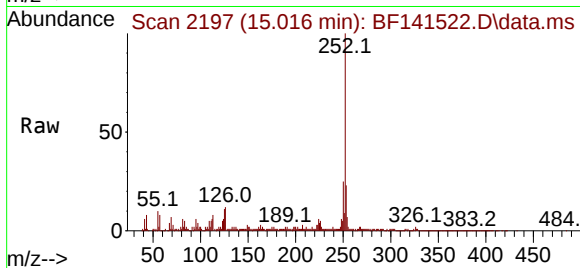
Tgt Ion:252 Resp: 340928

Ion Ratio Lower Upper

252 100

253 23.4 18.0 27.0

125 11.0 7.4 11.0



#90

Benzo(a)pyrene

Concen: 29.071 ng

RT: 15.374 min Scan# 2258

Delta R.T. 0.012 min

Lab File: BF141522.D

Acq: 07 Feb 2025 21:40

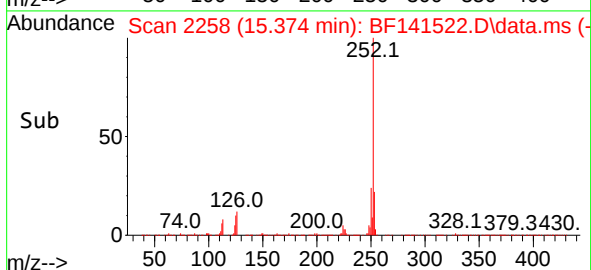
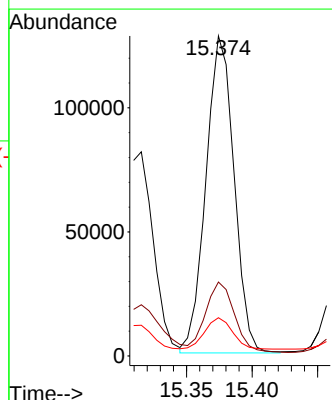
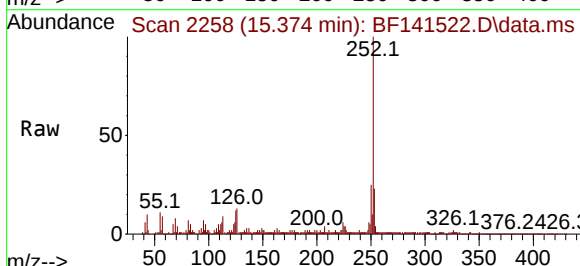
Tgt Ion:252 Resp: 190748

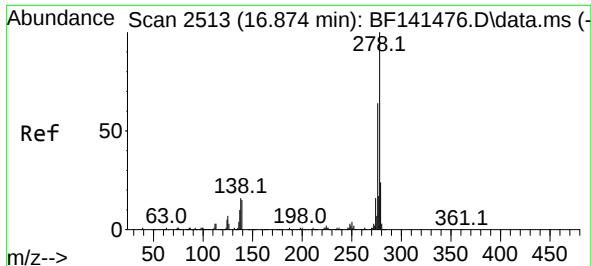
Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

125 12.0 7.4 11.2#

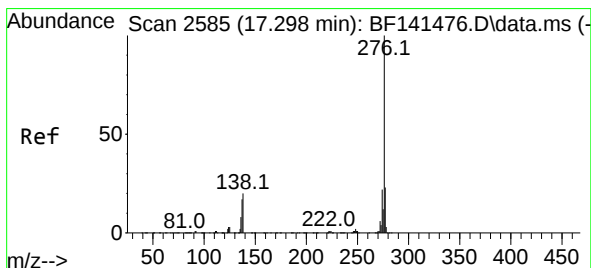
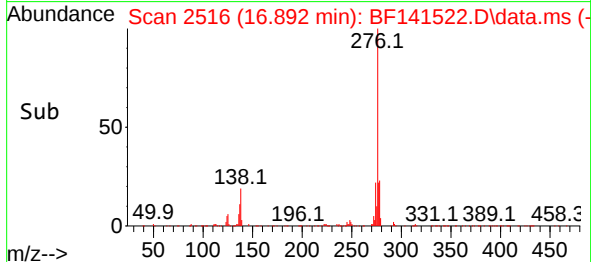
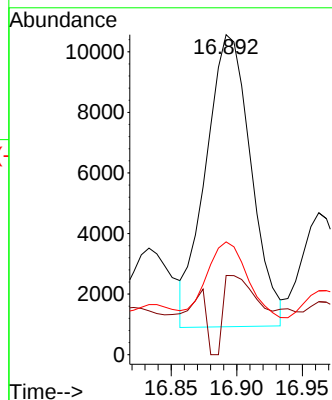
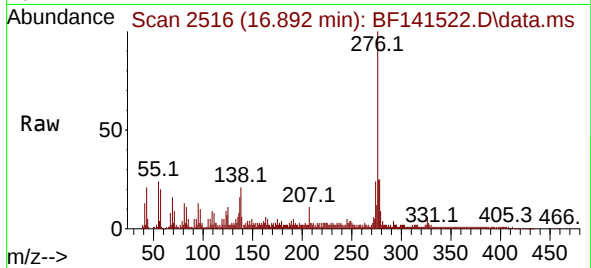




#91
Dibenzo(a,h)anthracene
Concen: 3.838 ng
RT: 16.892 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40

Instrument :
BNA_F
ClientSampleId :
JPP-16.1-012925

Tgt Ion:278 Resp: 23207
Ion Ratio Lower Upper
278 100
139 24.7 11.8 17.6#
279 35.2 19.1 28.7#



#92
Benzo(g,h,i)perylene
Concen: 15.106 ng
RT: 17.327 min Scan# 2590
Delta R.T. 0.012 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40

Tgt Ion:276 Resp: 95582
Ion Ratio Lower Upper
276 100
277 24.6 18.6 28.0
138 19.4 15.9 23.9

