

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141528.D
 Acq On : 08 Feb 2025 00:20
 Operator : RC/JU
 Sample : Q1232-19 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-51.1-012925

Quant Time: Feb 08 01:27:10 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)

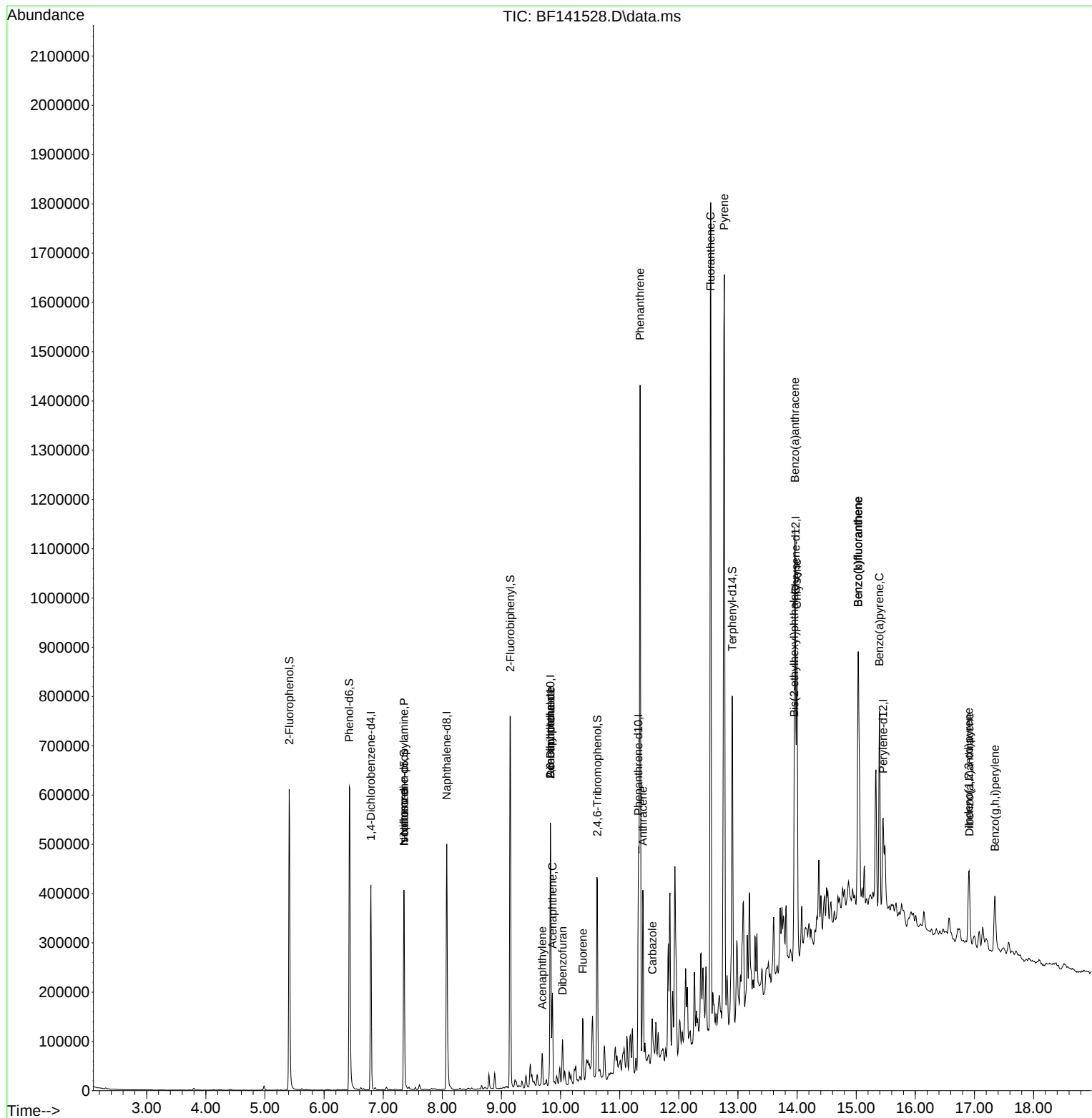
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	82126	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	311011	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	153227	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	233464	20.000	ng	0.00
76) Chrysene-d12	13.974	240	136681	20.000	ng	0.01
86) Perylene-d12	15.457	264	111370	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	234259	44.719	ng	0.00
7) Phenol-d6	6.428	99	283316	42.790	ng	-0.01
23) Nitrobenzene-d5	7.351	82	171869	28.823	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	56100	36.447	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	342232	34.410	ng	0.00
79) Terphenyl-d14	12.904	244	304413	37.599	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	23176	5.852	ng	# 78
25) Isophorone	7.351	82	163941	17.243	ng	# 66
49) Acenaphthylene	9.692	152	33461	2.561	ng	95
50) Dimethylphthalate	9.827	163	21484	2.065	ng	# 1
51) 2,6-Dinitrotoluene	9.827	165	20681	9.095	ng	# 23
52) Acenaphthene	9.863	154	57055	6.495	ng	98
55) Dibenzofuran	10.033	168	38231	2.965	ng	# 98
58) Fluorene	10.374	166	48924	4.908	ng	96
71) Phenanthrene	11.345	178	730437	56.838	ng	100
72) Anthracene	11.392	178	202523	15.677	ng	99
73) Carbazole	11.551	167	43004	3.700	ng	98
75) Fluoranthene	12.539	202	954736	70.074	ng	100
78) Pyrene	12.768	202	903665	77.666	ng	99
81) Benzo(a)anthracene	13.962	228	414536	45.625	ng	95
83) Chrysene	13.998	228	321384	38.309	ng	98
84) Bis(2-ethylhexyl)phtha...	13.951	149	18336	4.034	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.903	276	118135	17.167	ng	96
88) Benzo(b)fluoranthene	15.033	252	440063	58.848	ng	98
89) Benzo(k)fluoranthene	15.033	252	440063	68.916	ng	99
90) Benzo(a)pyrene	15.392	252	246927	40.808	ng	96
91) Dibenzo(a,h)anthracene	16.915	278	34039	6.105	ng	# 86
92) Benzo(g,h,i)perylene	17.345	276	115761	19.839	ng	97

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

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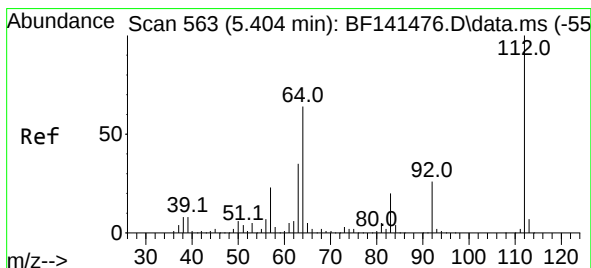
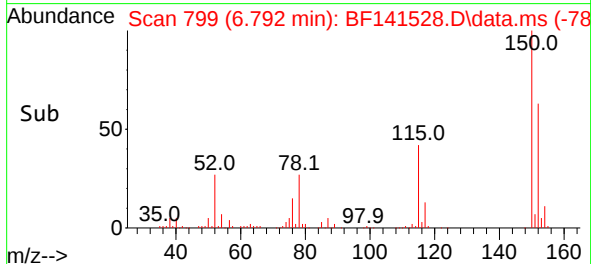
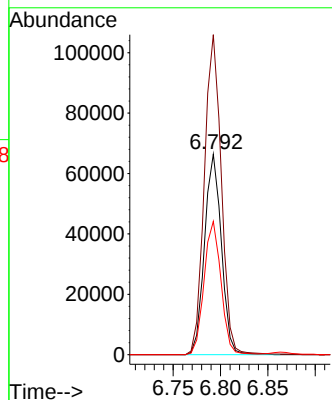
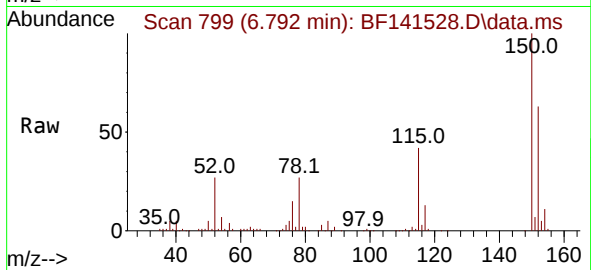




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

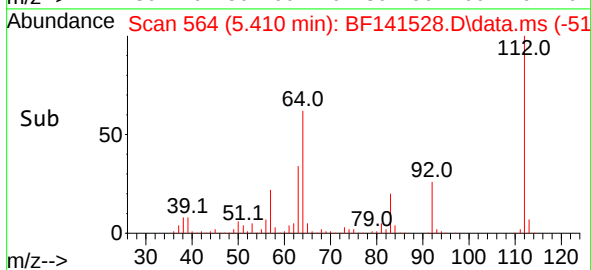
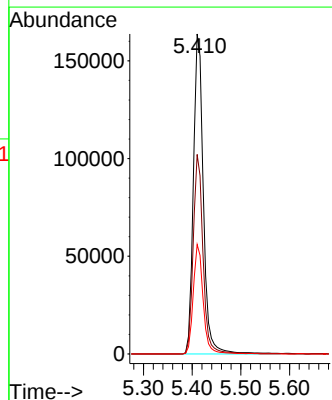
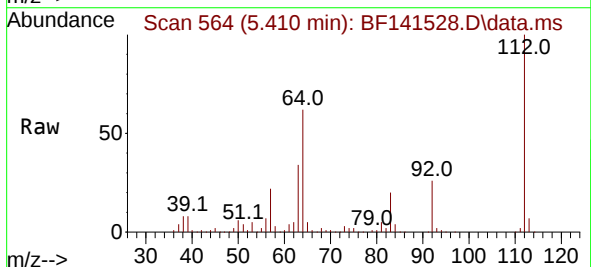
Instrument :
BNA_F
ClientSampleId :
JPP-51.1-012925

Tgt Ion:152 Resp: 82126
Ion Ratio Lower Upper
152 100
150 159.6 125.0 187.4
115 66.4 53.6 80.4



#5
2-Fluorophenol
Concen: 44.719 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

Tgt Ion:112 Resp: 234259
Ion Ratio Lower Upper
112 100
64 62.3 51.1 76.7
63 34.2 28.4 42.6





#7
Phenol-d6
Concen: 42.790 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

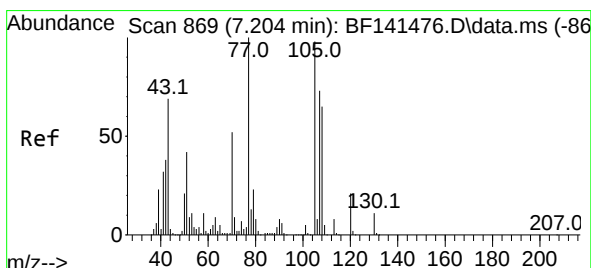
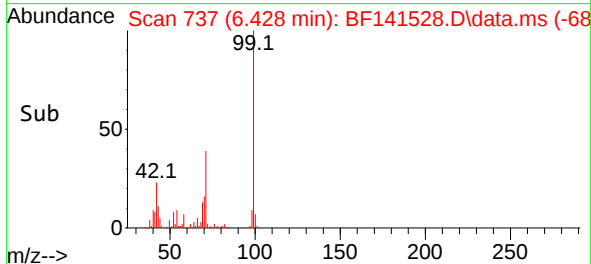
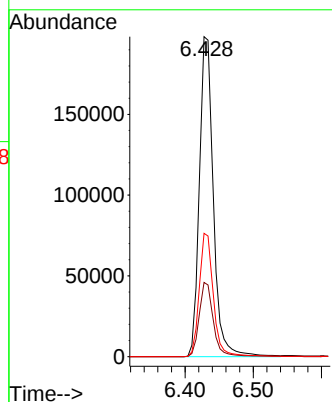
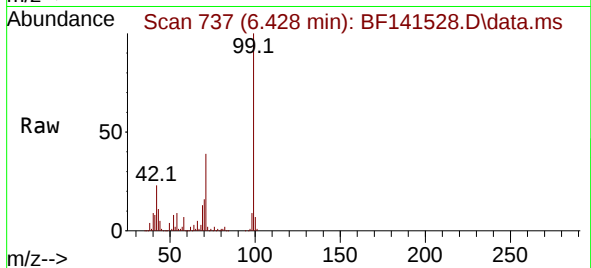
Instrument :

BNA_F

ClientSampleId :

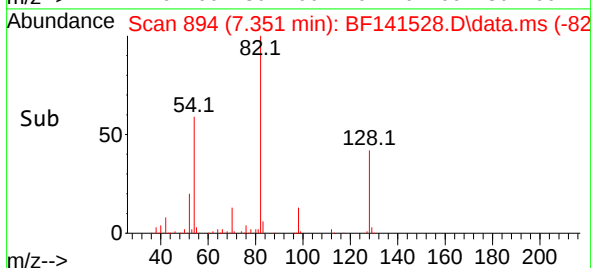
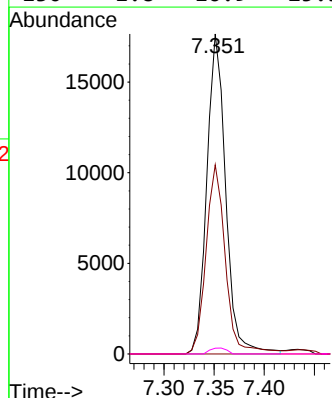
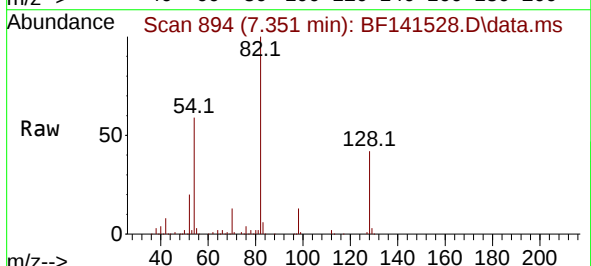
JPP-51.1-012925

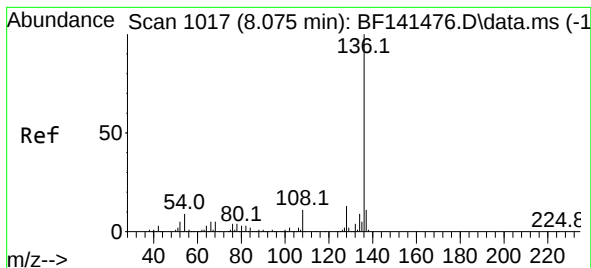
Tgt Ion: 99 Resp: 283316
Ion Ratio Lower Upper
99 100
42 23.2 19.1 28.7
71 38.6 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 5.852 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

Tgt Ion: 70 Resp: 23176
Ion Ratio Lower Upper
70 100
42 59.1 57.4 86.2
101 0.0 8.0 12.0#
130 1.8 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: BF141528.D

Acq: 08 Feb 2025 00:20

Instrument :

BNA_F

ClientSampleId :

JPP-51.1-012925

Tgt Ion:136 Resp: 311011

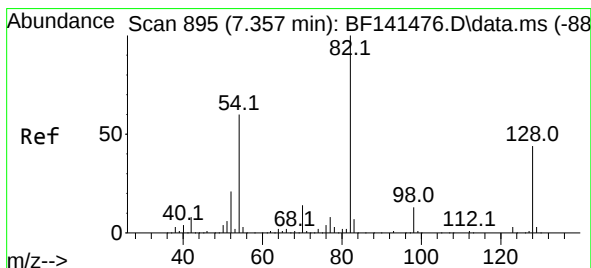
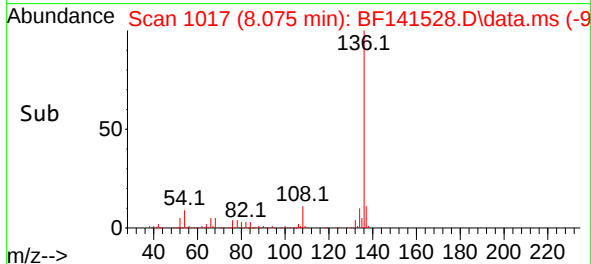
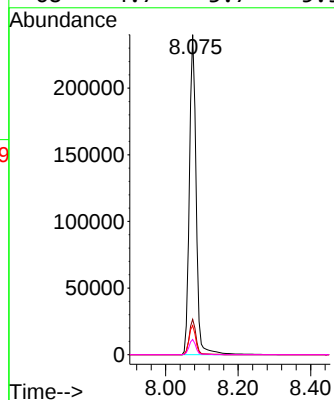
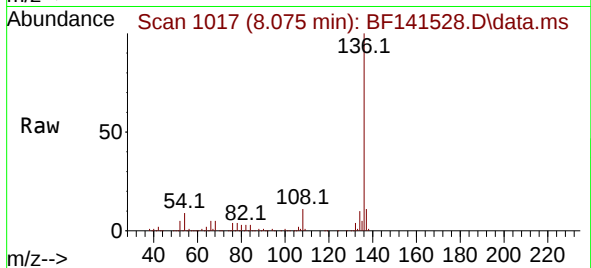
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 9.1 7.2 10.8

68 4.7 3.7 5.5



#23

Nitrobenzene-d5

Concen: 28.823 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF141528.D

Acq: 08 Feb 2025 00:20

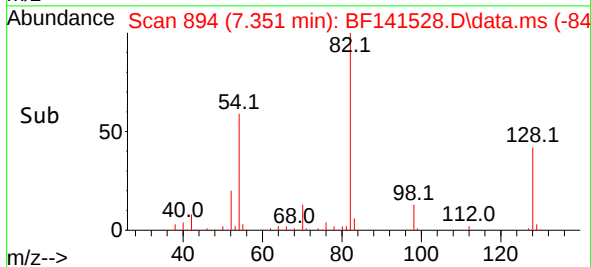
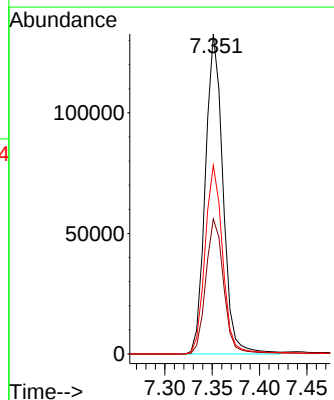
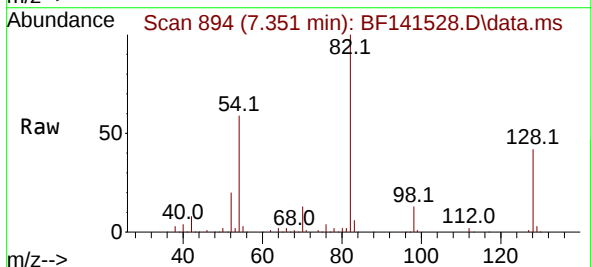
Tgt Ion: 82 Resp: 171869

Ion Ratio Lower Upper

82 100

128 42.2 34.8 52.2

54 58.9 48.2 72.4

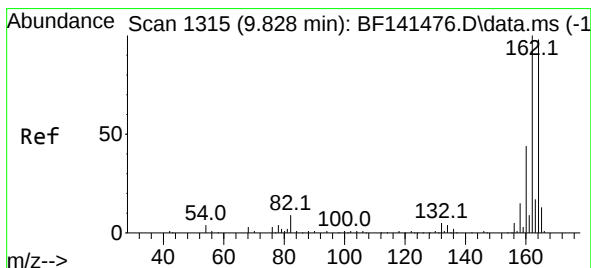
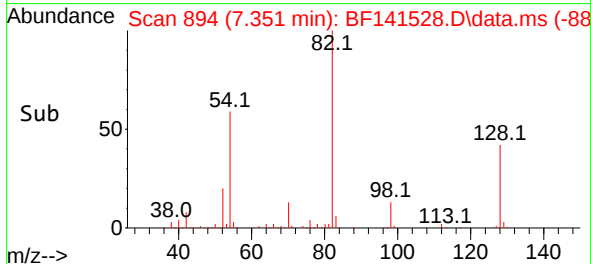
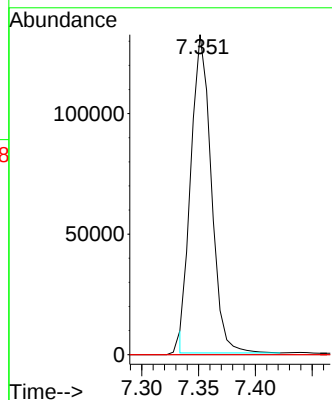
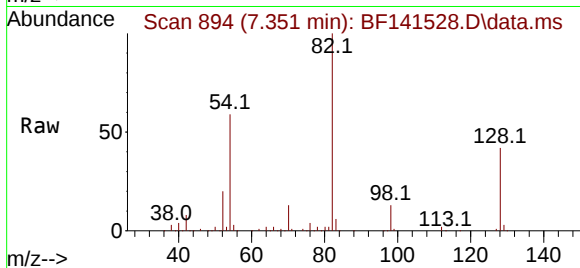




#25
Isophorone
Concen: 17.243 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.271 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

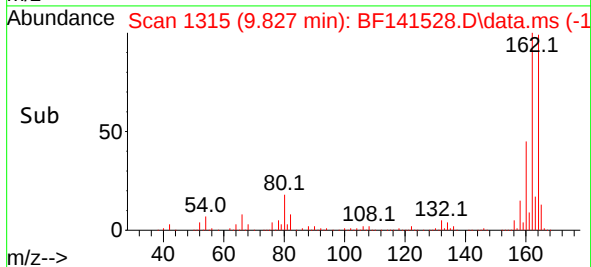
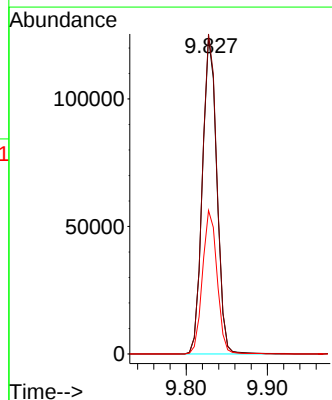
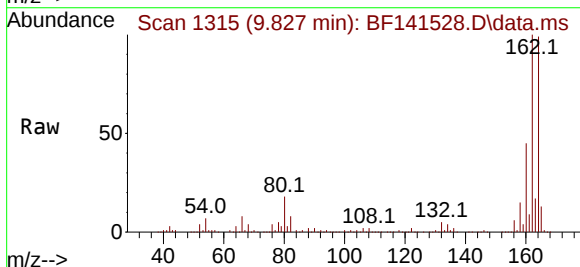
Instrument :
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ClientSampleId :
JPP-51.1-012925

Tgt Ion: 82 Resp: 163941
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: 9.827 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

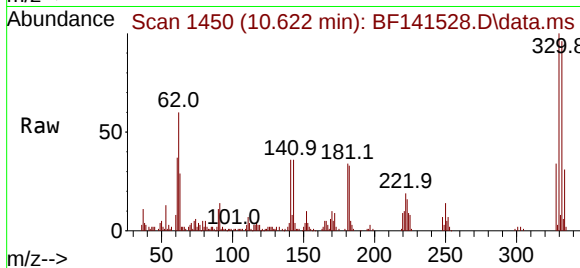
Tgt Ion:164 Resp: 153227
Ion Ratio Lower Upper
164 100
162 101.1 81.3 121.9
160 45.4 35.9 53.9



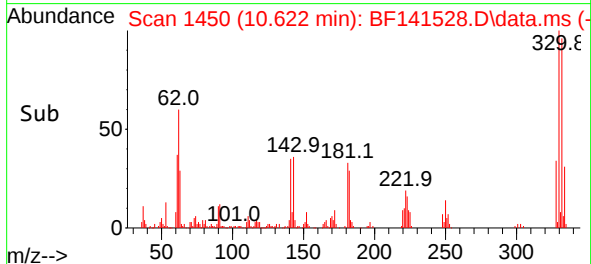
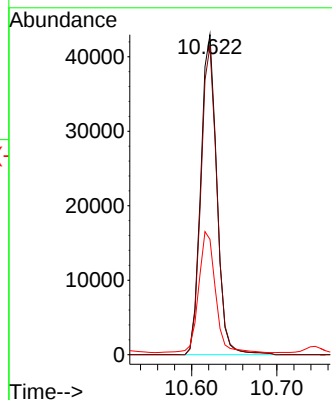


#42
2,4,6-Tribromophenol
Concen: 36.447 ng
RT: 10.622 min Scan# 141
Delta R.T. -0.006 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

Instrument :
BNA_F
ClientSampleId :
JPP-51.1-012925

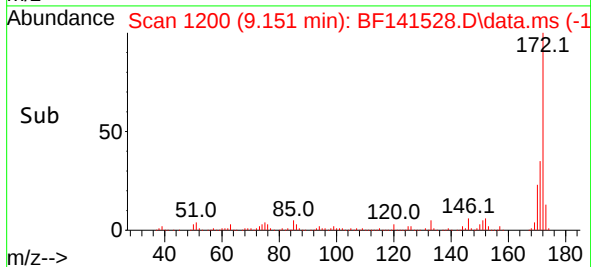
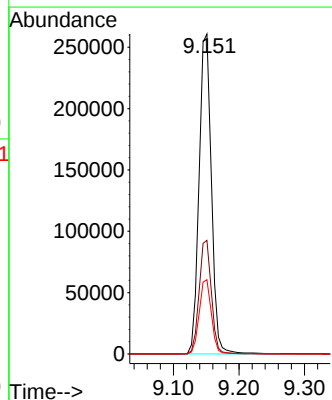
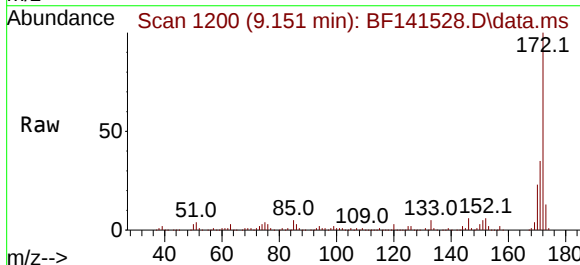


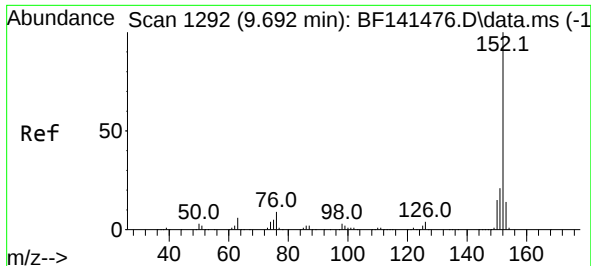
Tgt Ion:330 Resp: 56100
Ion Ratio Lower Upper
330 100
332 96.7 78.5 117.7
141 39.6 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 34.410 ng
RT: 9.151 min Scan# 1200
Delta R.T. 0.000 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

Tgt Ion:172 Resp: 342232
Ion Ratio Lower Upper
172 100
171 35.5 28.7 43.1
170 23.2 18.9 28.3

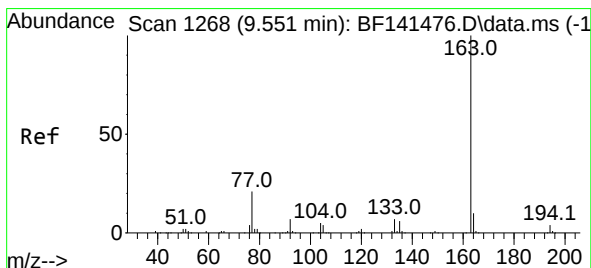
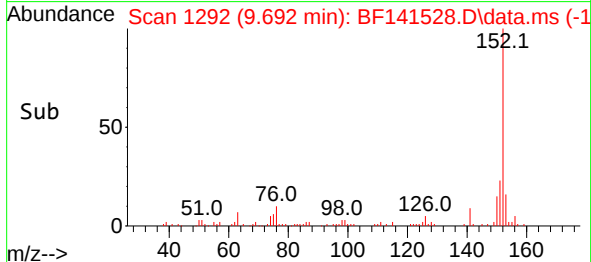
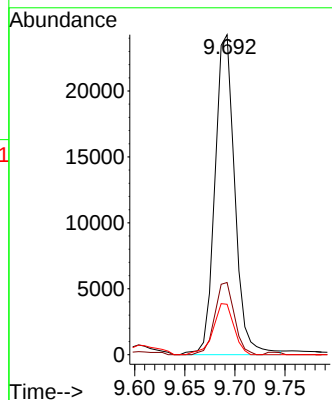
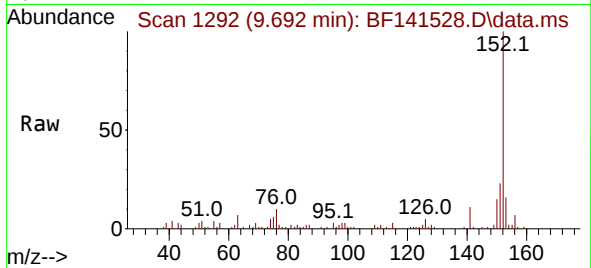




#49
Acenaphthylene
Concen: 2.561 ng
RT: 9.692 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

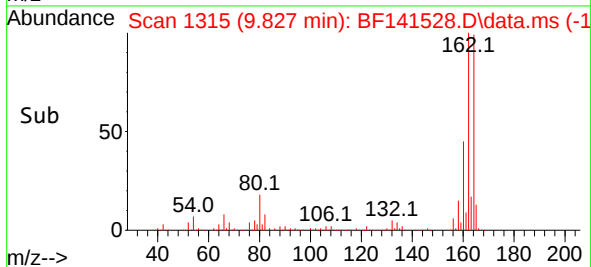
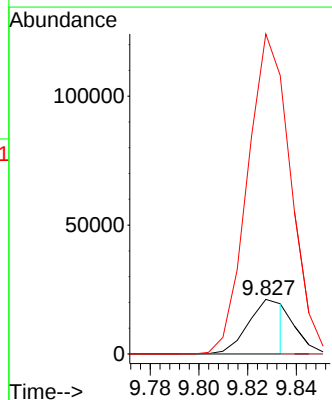
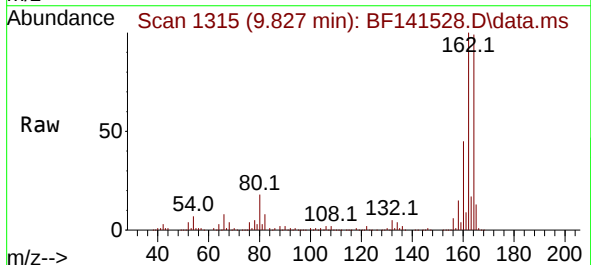
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BNA_F
ClientSampleId :
JPP-51.1-012925

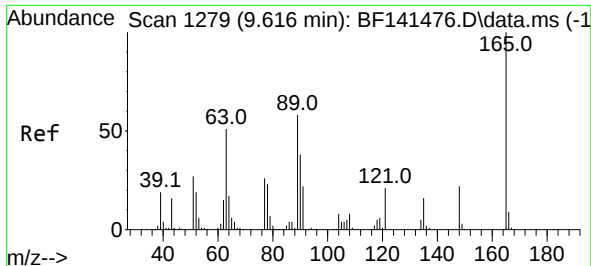
Tgt Ion:152	Resp:	33461
Ion Ratio	Lower	Upper
152	100	
151	22.6	16.4 24.6
153	15.8	10.9 16.3



#50
Dimethylphthalate
Concen: 2.065 ng
RT: 9.827 min Scan# 1315
Delta R.T. 0.265 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

Tgt Ion:163	Resp:	21484
Ion Ratio	Lower	Upper
163	100	
194	0.0	3.0 4.4#
164	586.9	7.9 11.9#

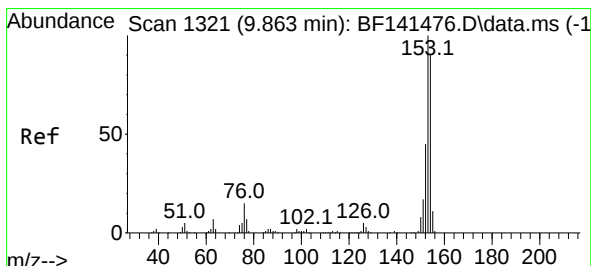
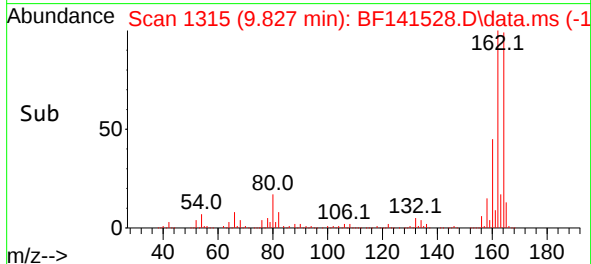
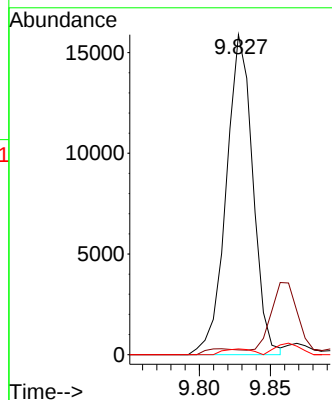
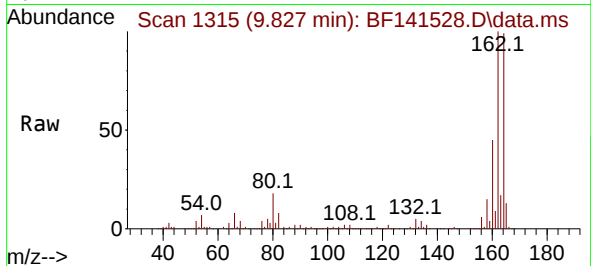




#51
2,6-Dinitrotoluene
Concen: 9.095 ng
RT: 9.827 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

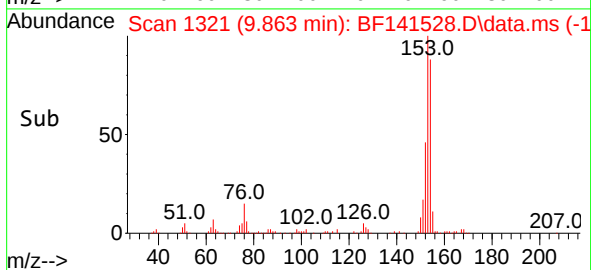
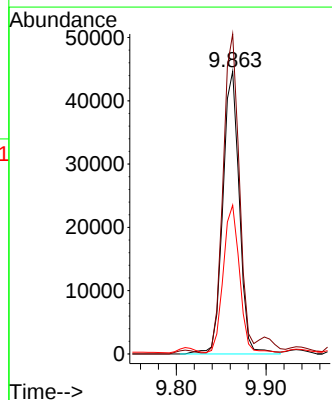
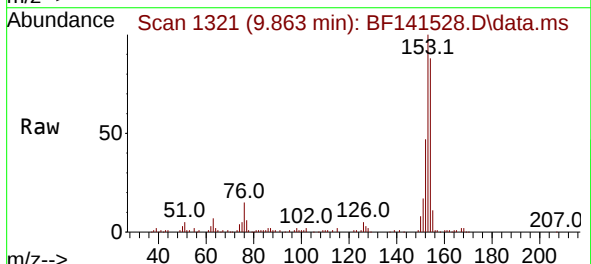
Instrument :
BNA_F
ClientSampleId :
JPP-51.1-012925

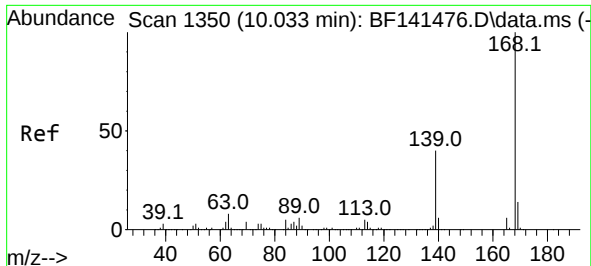
Tgt Ion:165 Resp: 20681
Ion Ratio Lower Upper
165 100
63 1.5 49.4 74.0#
89 1.8 46.5 69.7#



#52
Acenaphthene
Concen: 6.495 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

Tgt Ion:154 Resp: 57055
Ion Ratio Lower Upper
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153 113.3 89.2 133.8
152 52.7 39.8 59.8

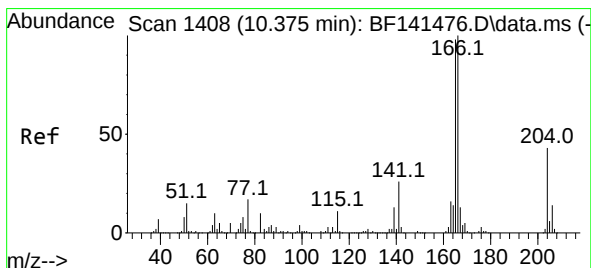
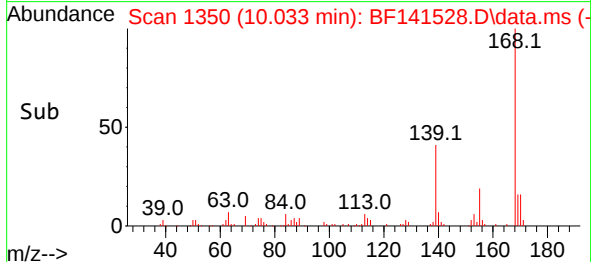
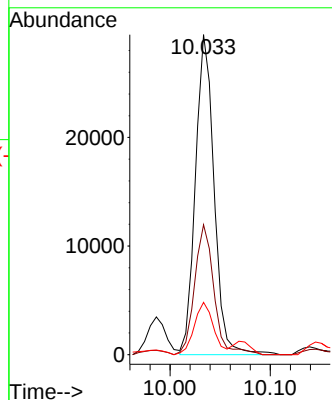
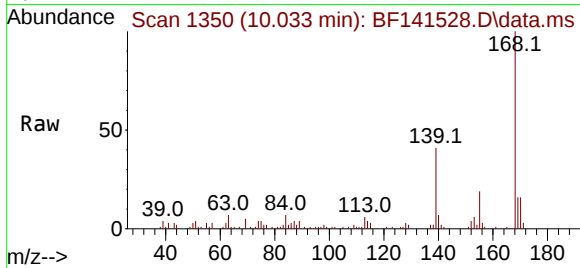




#55
Dibenzofuran
Concen: 2.965 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.006 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

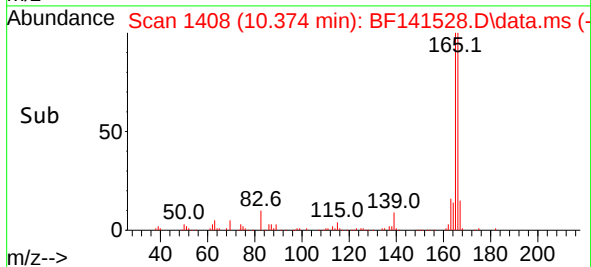
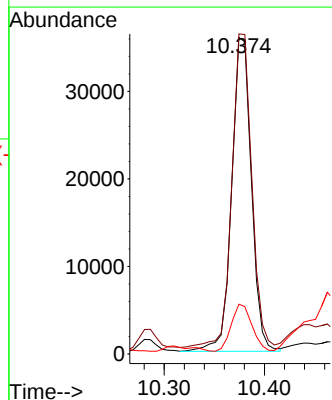
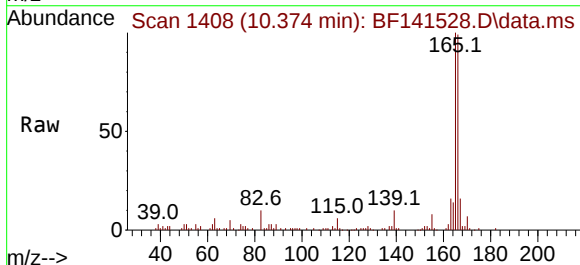
Instrument :
BNA_F
ClientSampleId :
JPP-51.1-012925

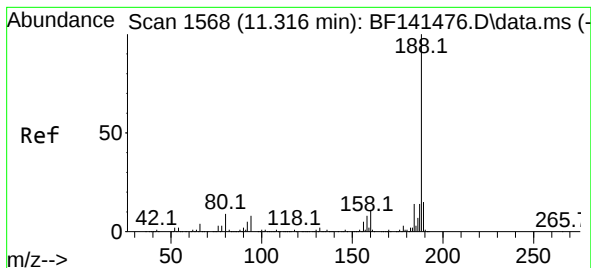
Tgt Ion:168 Resp: 38231
Ion Ratio Lower Upper
168 100
139 40.6 32.7 49.1
169 16.4 10.8 16.2#



#58
Fluorene
Concen: 4.908 ng
RT: 10.374 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

Tgt Ion:166 Resp: 48924
Ion Ratio Lower Upper
166 100
165 101.1 78.2 117.2
167 15.7 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF141528.D

Acq: 08 Feb 2025 00:20

Instrument :

BNA_F

ClientSampleId :

JPP-51.1-012925

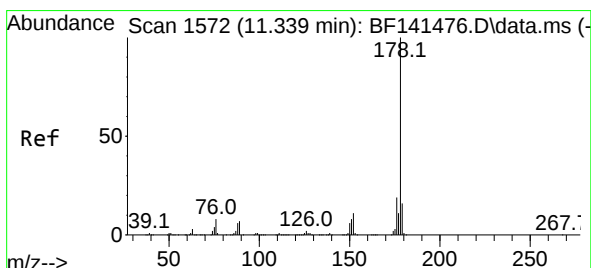
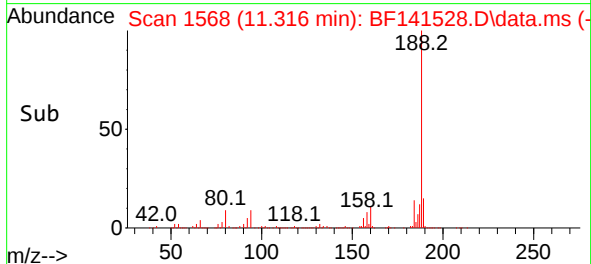
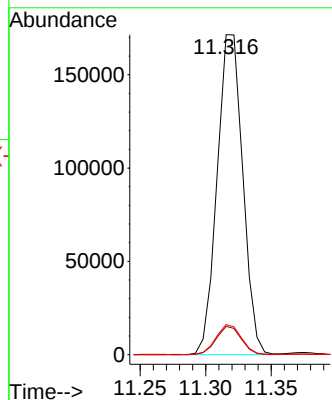
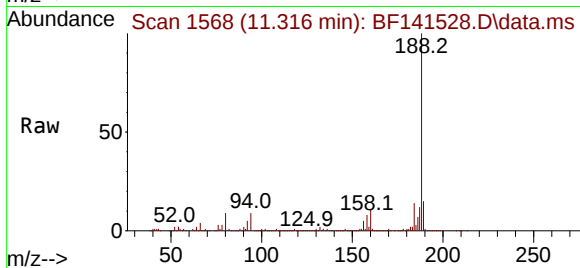
Tgt Ion:188 Resp: 233464

Ion Ratio Lower Upper

188 100

94 8.9 6.6 10.0

80 9.4 7.3 10.9



#71

Phenanthrene

Concen: 56.838 ng

RT: 11.345 min Scan# 1573

Delta R.T. 0.000 min

Lab File: BF141528.D

Acq: 08 Feb 2025 00:20

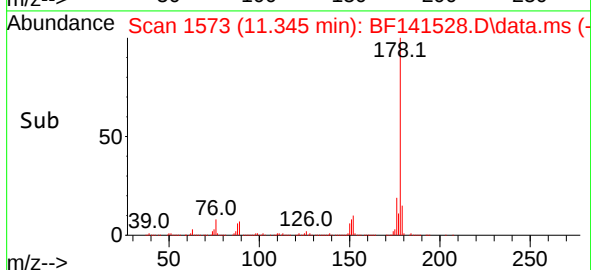
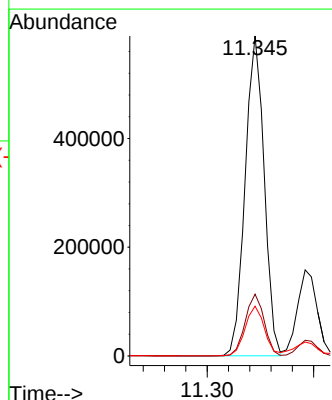
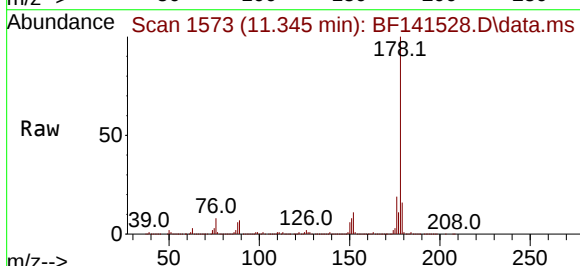
Tgt Ion:178 Resp: 730437

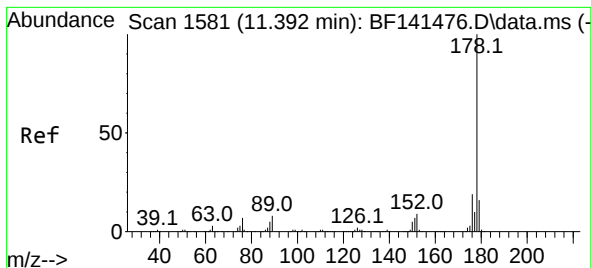
Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

179 15.5 12.4 18.6





#72

Anthracene

Concen: 15.677 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF141528.D

Acq: 08 Feb 2025 00:20

Instrument :

BNA_F

ClientSampleId :

JPP-51.1-012925

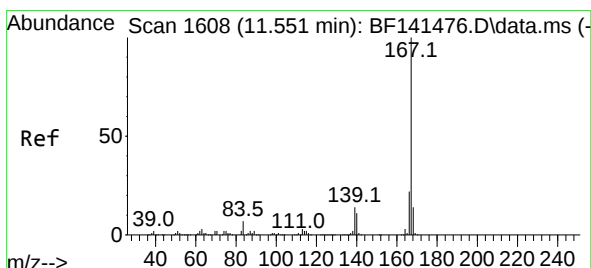
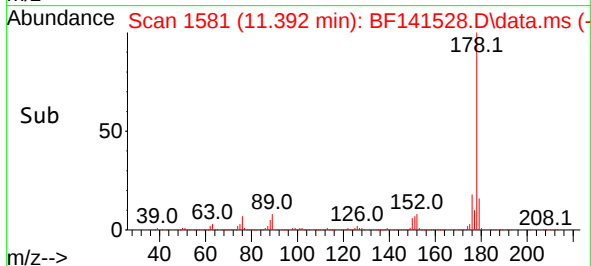
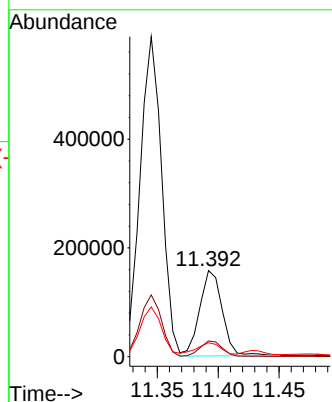
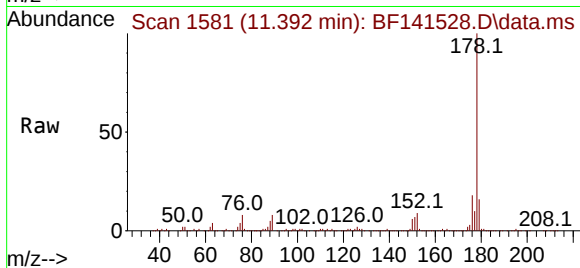
Tgt Ion:178 Resp: 202523

Ion Ratio Lower Upper

178 100

176 18.2 14.8 22.2

179 16.1 12.4 18.6



#73

Carbazole

Concen: 3.700 ng

RT: 11.551 min Scan# 1608

Delta R.T. 0.000 min

Lab File: BF141528.D

Acq: 08 Feb 2025 00:20

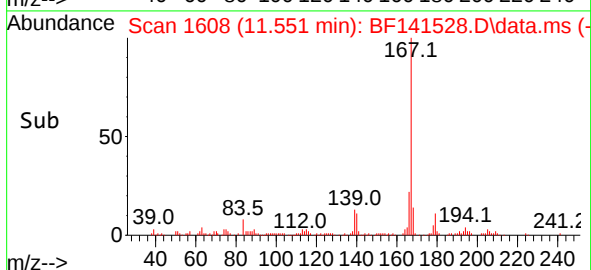
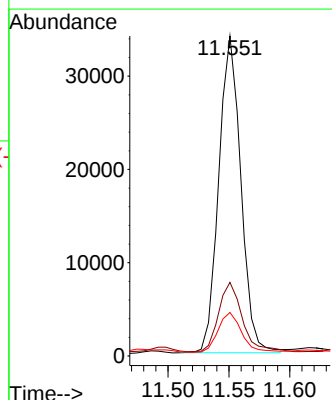
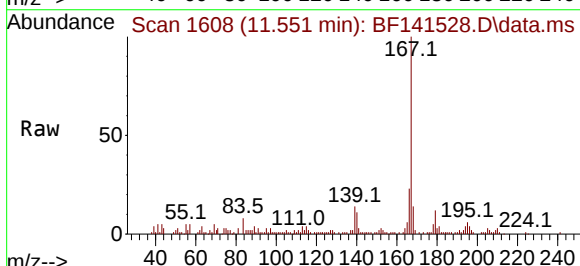
Tgt Ion:167 Resp: 43004

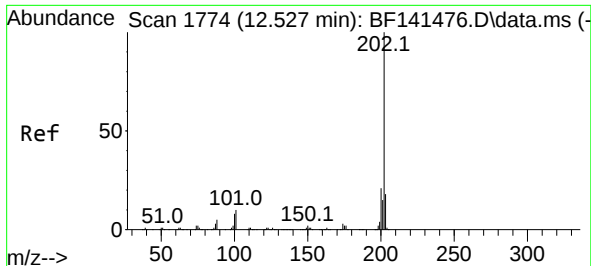
Ion Ratio Lower Upper

167 100

166 23.0 17.4 26.2

139 13.6 10.9 16.3

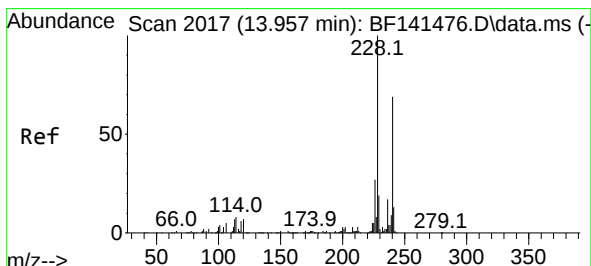
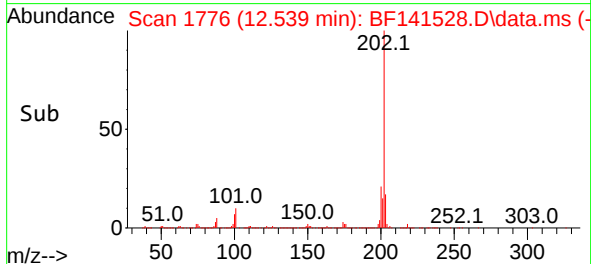
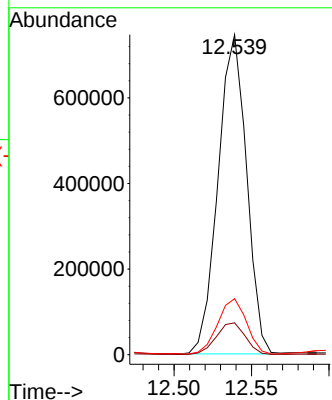
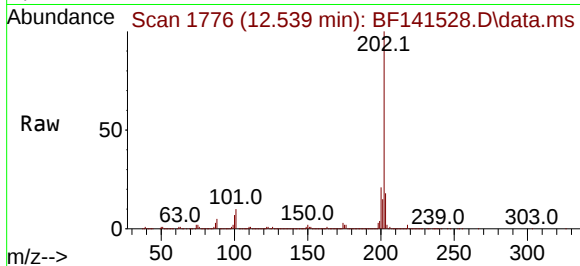




#75
Fluoranthene
Concen: 70.074 ng
RT: 12.539 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

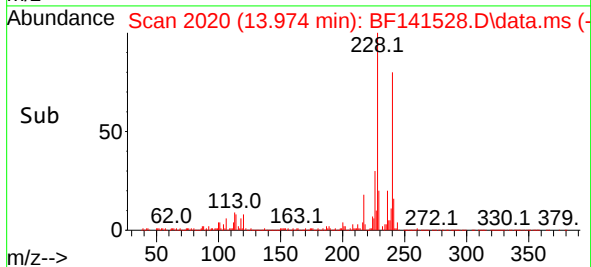
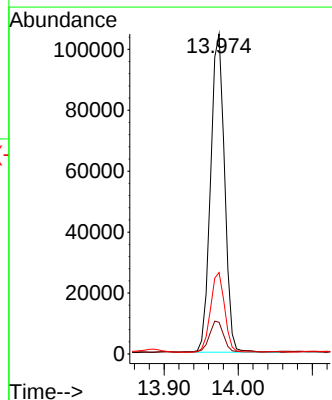
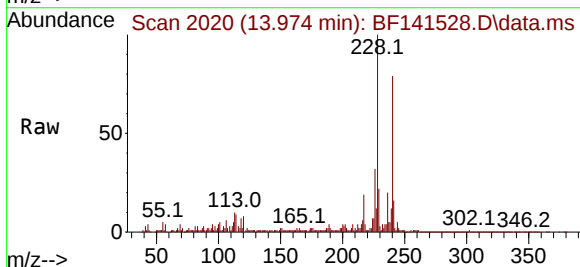
Instrument :
BNA_F
ClientSampleId :
JPP-51.1-012925

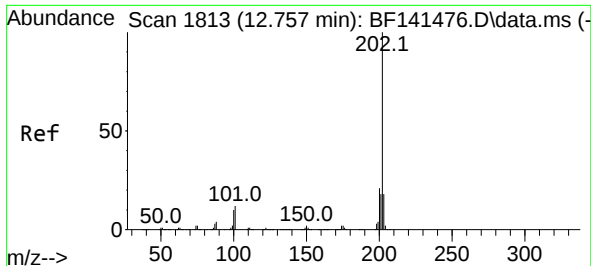
Tgt Ion:202 Resp: 954736
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.2
203 17.5 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.012 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

Tgt Ion:240 Resp: 136681
Ion Ratio Lower Upper
240 100
120 9.9 8.0 12.0
236 25.5 19.8 29.8

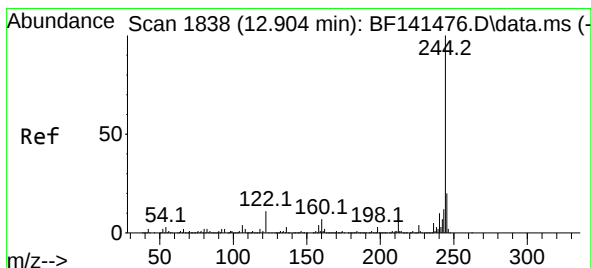
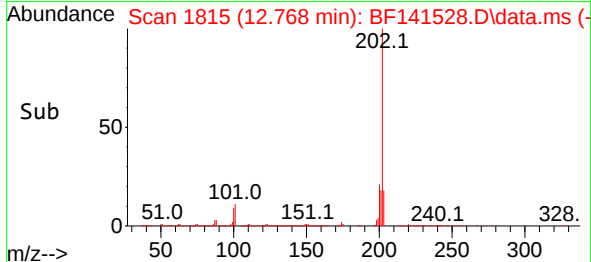
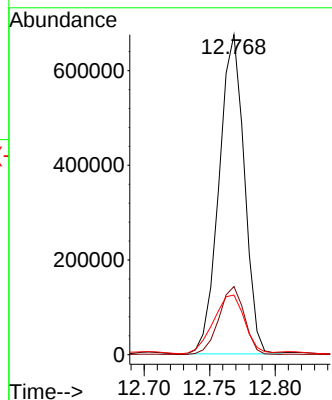
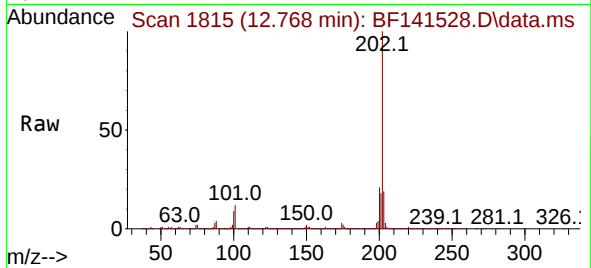




#78
Pyrene
Concen: 77.666 ng
RT: 12.768 min Scan# 1815
Delta R.T. 0.006 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

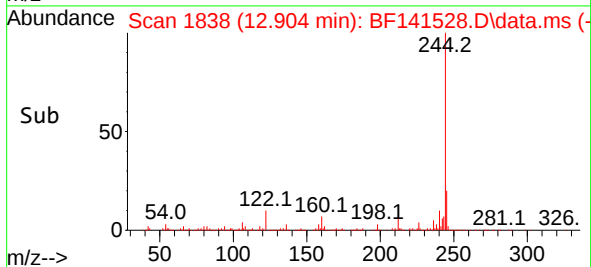
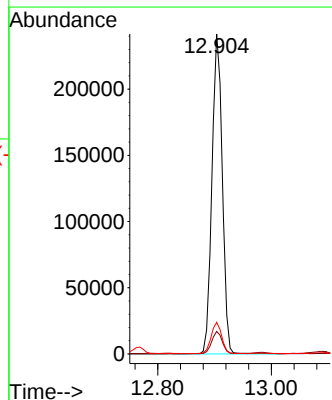
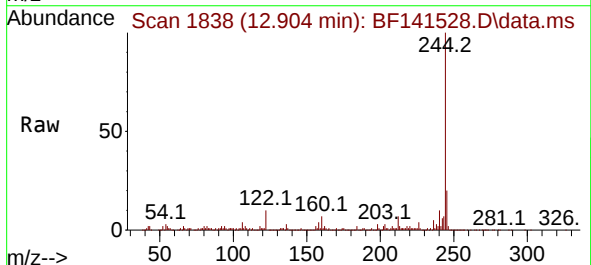
Instrument :
BNA_F
ClientSampleId :
JPP-51.1-012925

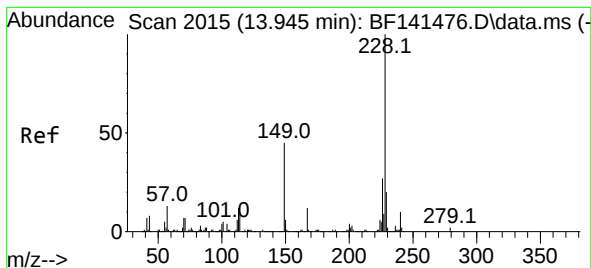
Tgt Ion:202 Resp: 903665
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 18.6 14.3 21.5



#79
Terphenyl-d14
Concen: 37.599 ng
RT: 12.904 min Scan# 1838
Delta R.T. 0.000 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

Tgt Ion:244 Resp: 304413
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 9.9 8.4 12.6





#81

Benzo(a)anthracene

Concen: 45.625 ng

RT: 13.962 min Scan# 2015

Delta R.T. 0.012 min

Lab File: BF141528.D

Acq: 08 Feb 2025 00:20

Instrument :

BNA_F

ClientSampleId :

JPP-51.1-012925

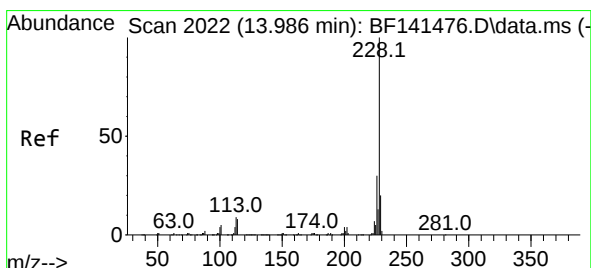
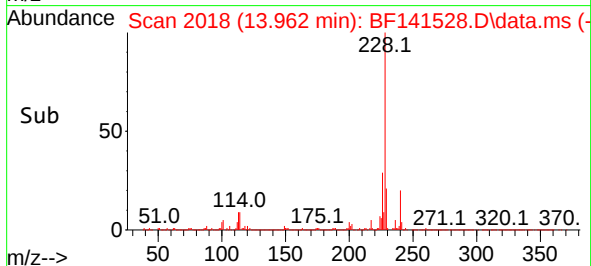
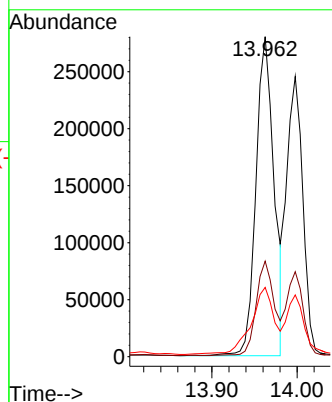
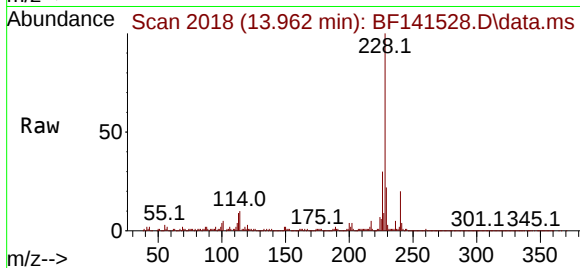
Tgt Ion:228 Resp: 414536

Ion Ratio Lower Upper

228 100

226 29.8 21.8 32.8

229 21.7 15.8 23.6



#83

Chrysene

Concen: 38.309 ng

RT: 13.998 min Scan# 2024

Delta R.T. 0.006 min

Lab File: BF141528.D

Acq: 08 Feb 2025 00:20

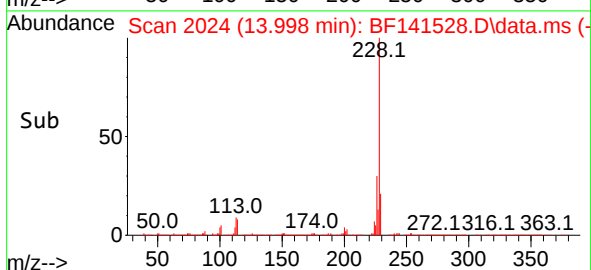
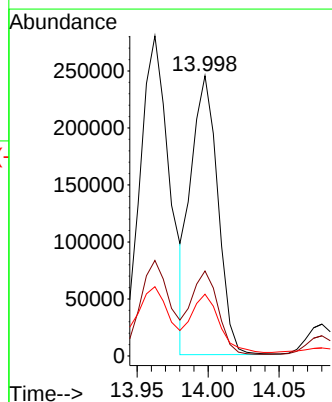
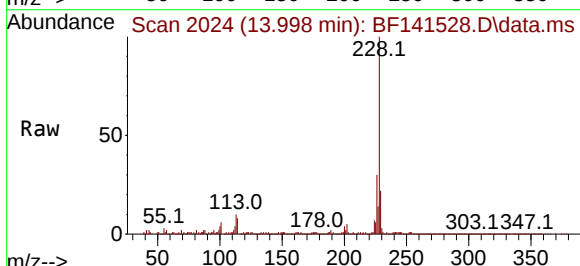
Tgt Ion:228 Resp: 321384

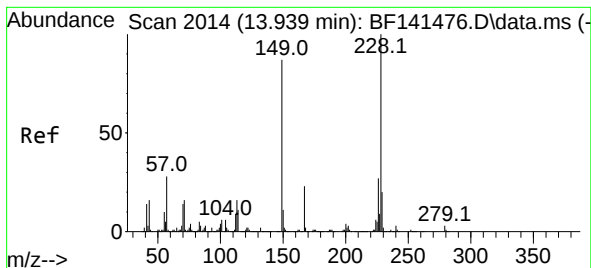
Ion Ratio Lower Upper

228 100

226 30.3 24.0 36.0

229 22.0 15.7 23.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.034 ng

RT: 13.951 min Scan# 2014

Delta R.T. 0.012 min

Lab File: BF141528.D

Acq: 08 Feb 2025 00:20

Instrument :

BNA_F

ClientSampleId :

JPP-51.1-012925

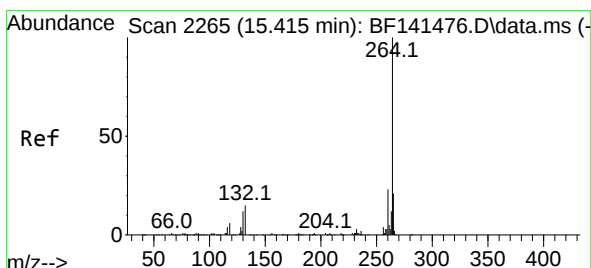
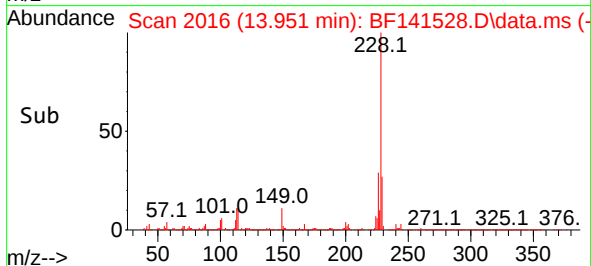
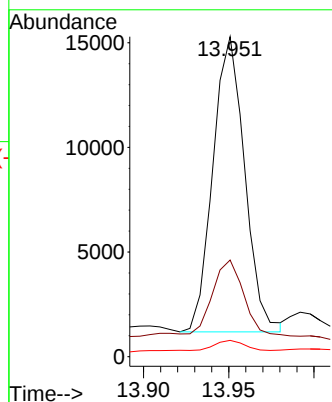
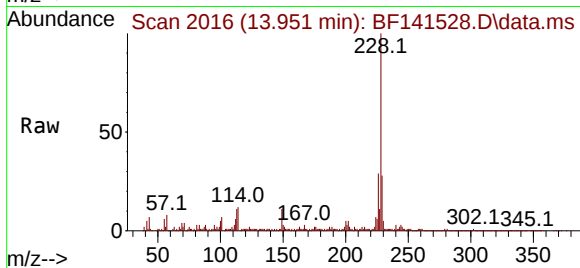
Tgt Ion:149 Resp: 18336

Ion Ratio Lower Upper

149 100

167 30.2 21.4 32.0

279 5.1 3.1 4.7#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 2272

Delta R.T. 0.041 min

Lab File: BF141528.D

Acq: 08 Feb 2025 00:20

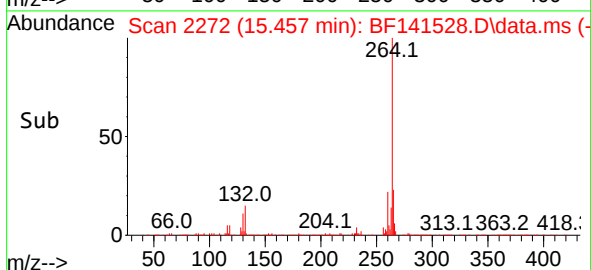
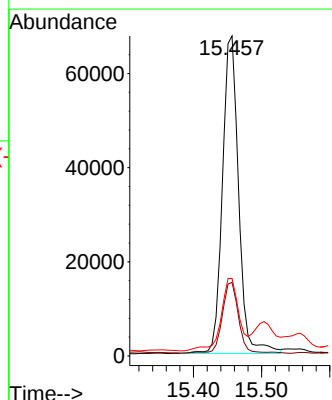
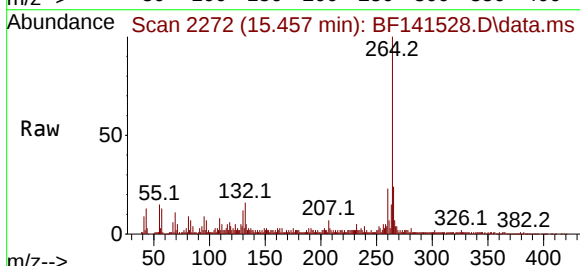
Tgt Ion:264 Resp: 111370

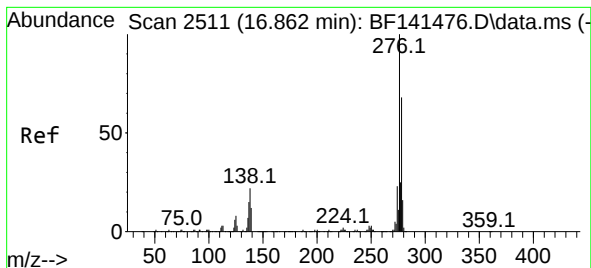
Ion Ratio Lower Upper

264 100

260 23.0 18.6 28.0

265 24.3 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 17.167 ng

RT: 16.903 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF141528.D

Acq: 08 Feb 2025 00:20

Instrument :

BNA_F

ClientSampleId :

JPP-51.1-012925

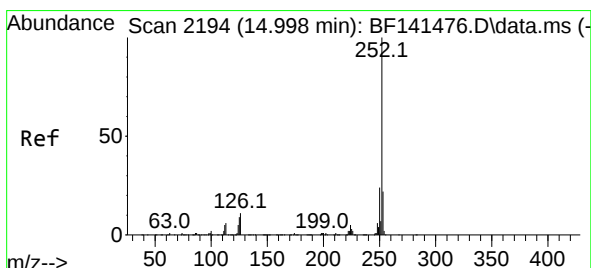
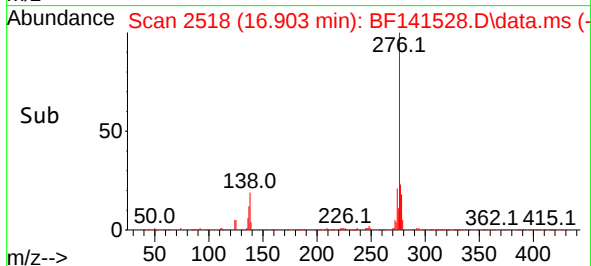
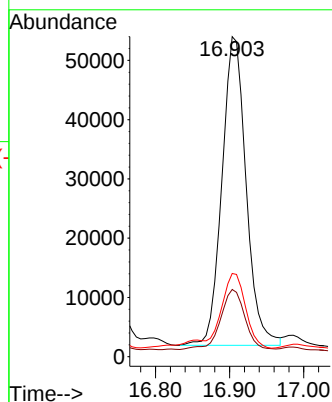
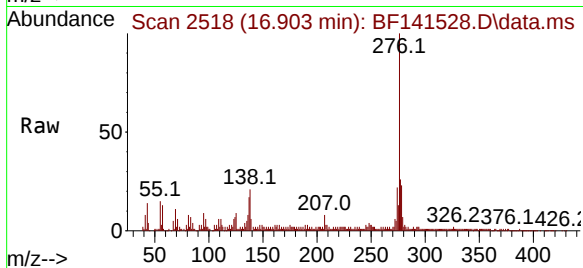
Tgt Ion:276 Resp: 118135

Ion Ratio Lower Upper

276 100

138 19.6 18.0 27.0

277 24.1 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 58.848 ng

RT: 15.033 min Scan# 2200

Delta R.T. 0.029 min

Lab File: BF141528.D

Acq: 08 Feb 2025 00:20

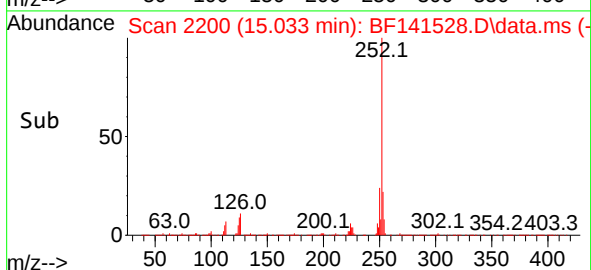
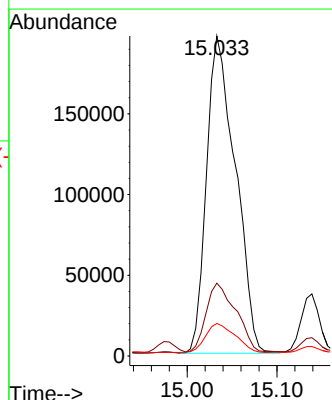
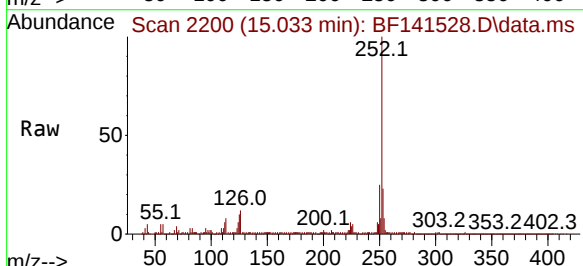
Tgt Ion:252 Resp: 440063

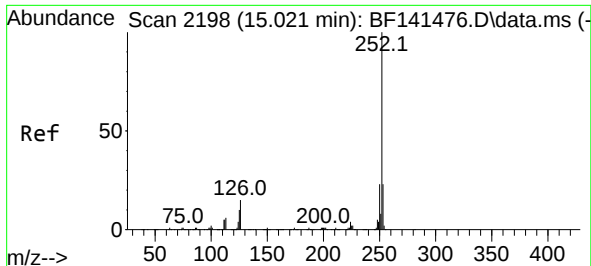
Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 10.1 7.0 10.6

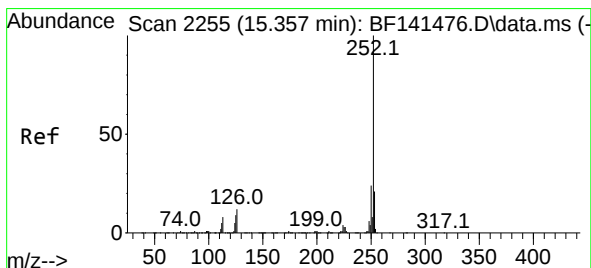
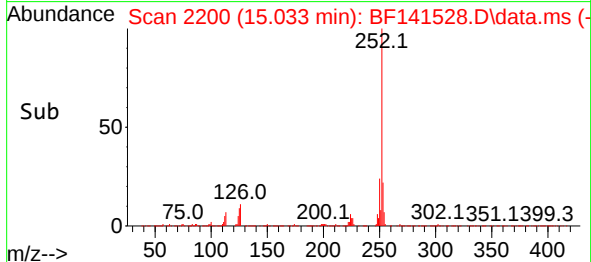
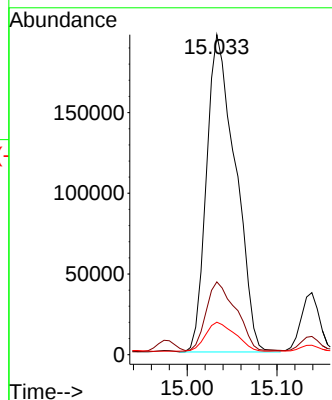
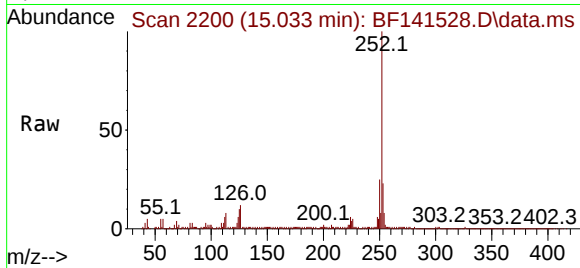




#89
Benzo(k)fluoranthene
Concen: 68.916 ng
RT: 15.033 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

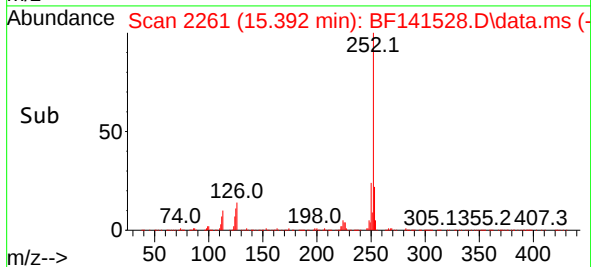
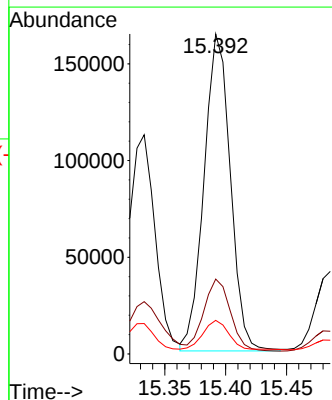
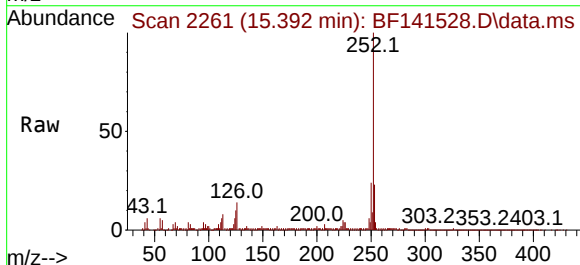
Instrument :
BNA_F
ClientSampleId :
JPP-51.1-012925

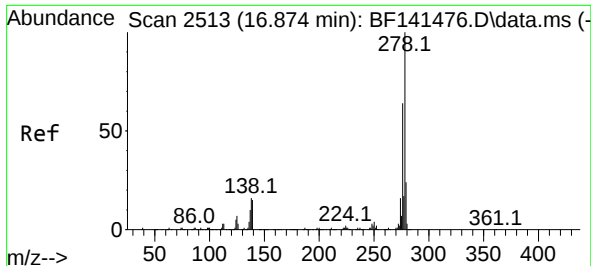
Tgt Ion:252 Resp: 440063
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 10.1 7.4 11.0



#90
Benzo(a)pyrene
Concen: 40.808 ng
RT: 15.392 min Scan# 2261
Delta R.T. 0.029 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

Tgt Ion:252 Resp: 246927
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 10.5 7.4 11.2

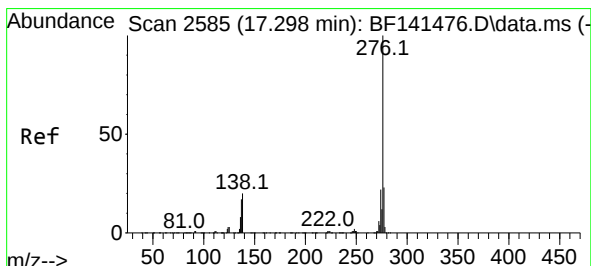
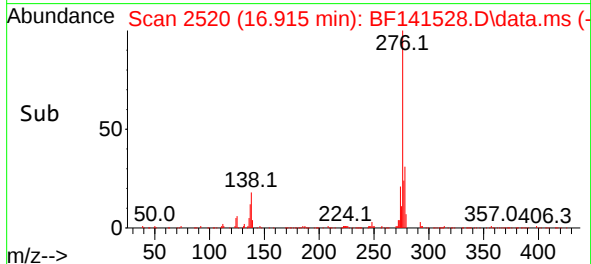
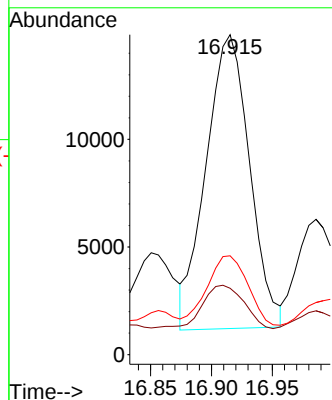
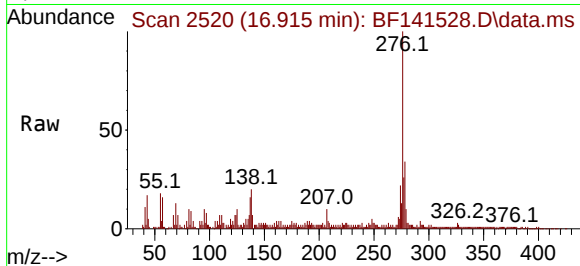




#91
Dibenzo(a,h)anthracene
Concen: 6.105 ng
RT: 16.915 min Scan# 2520
Delta R.T. 0.024 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

Instrument :
BNA_F
ClientSampleId :
JPP-51.1-012925

Tgt Ion:278 Resp: 34039
Ion Ratio Lower Upper
278 100
139 20.8 11.8 17.6#
279 30.9 19.1 28.7#



#92
Benzo(g,h,i)perylene
Concen: 19.839 ng
RT: 17.345 min Scan# 2593
Delta R.T. 0.029 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

Tgt Ion:276 Resp: 115761
Ion Ratio Lower Upper
276 100
277 25.2 18.6 28.0
138 20.5 15.9 23.9

