

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141524.D
 Acq On : 07 Feb 2025 22:33
 Operator : RC/JU
 Sample : Q1241-19 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-51.4-013025

Quant Time: Feb 08 00:32:45 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)

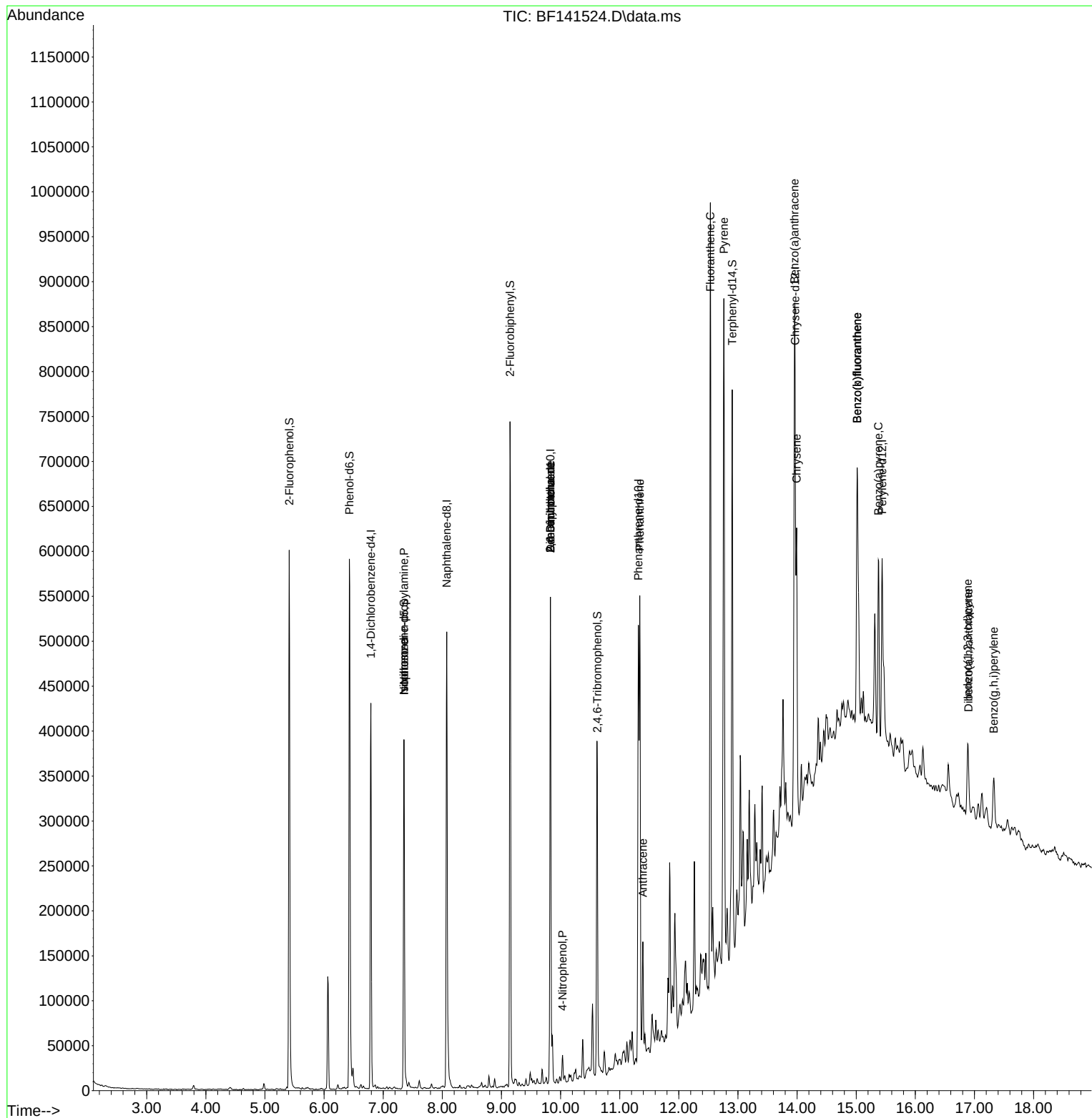
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	86637	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	320633	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	156448	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	243767	20.000	ng	0.00
76) Chrysene-d12	13.968	240	144012	20.000	ng	0.00
86) Perylene-d12	15.439	264	115869	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	224859	40.689	ng	0.00
7) Phenol-d6	6.428	99	271285	38.840	ng	-0.01
23) Nitrobenzene-d5	7.351	82	162742	26.474	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	53673	34.152	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	319202	31.434	ng	0.00
79) Terphenyl-d14	12.904	244	288829	33.858	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	22769	5.450	ng	# 75
25) Isophorone	7.351	82	154586	15.771	ng	# 66
50) Dimethylphthalate	9.828	163	22961	2.162	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	21478	9.251	ng	# 23
56) 4-Nitrophenol	10.033	139	5572	3.004	ng	# 7
57) 2,4-Dinitrotoluene	9.828	165	21478	6.949	ng	# 19
71) Phenanthrene	11.339	178	266348	19.850	ng	99
72) Anthracene	11.392	178	75247	5.579	ng	99
75) Fluoranthene	12.533	202	483563	33.992	ng	100
78) Pyrene	12.763	202	429747	35.055	ng	99
81) Benzo(a)anthracene	13.957	228	214302	22.386	ng	97
83) Chrysene	13.992	228	164556	18.617	ng	97
87) Indeno(1,2,3-cd)pyrene	16.886	276	63369	8.851	ng	94
88) Benzo(b)fluoranthene	15.015	252	240792	30.950	ng	# 95
89) Benzo(k)fluoranthene	15.015	252	240792	36.245	ng	# 96
90) Benzo(a)pyrene	15.374	252	125004	19.857	ng	# 92
91) Dibenzo(a,h)anthracene	16.898	278	17013	2.933	ng	# 75
92) Benzo(g,h,i)perylene	17.327	276	62398	10.279	ng	96

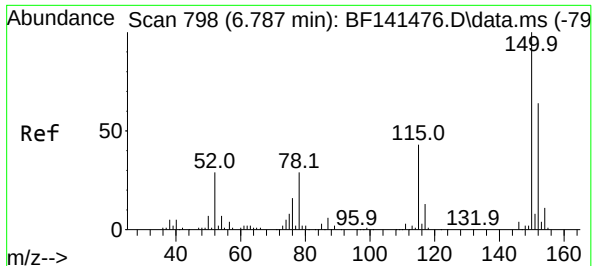
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141524.D
Acq On : 07 Feb 2025 22:33
Operator : RC/JU
Sample : Q1241-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

Quant Time: Feb 08 00:32:45 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

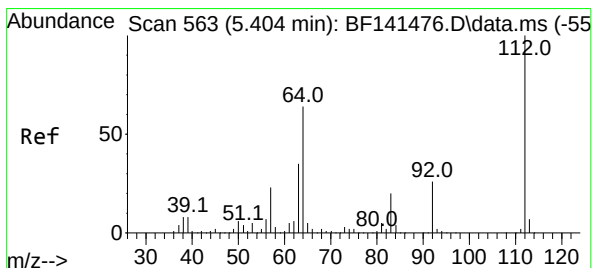
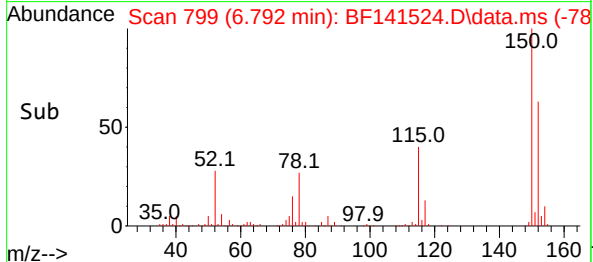
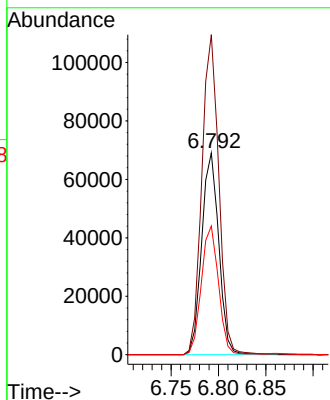
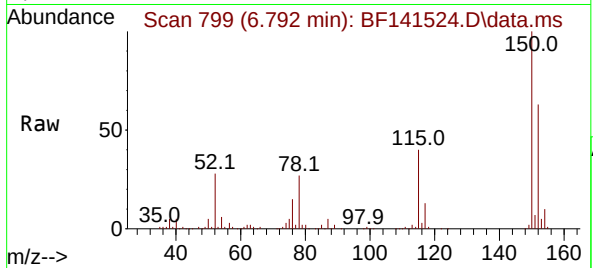




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

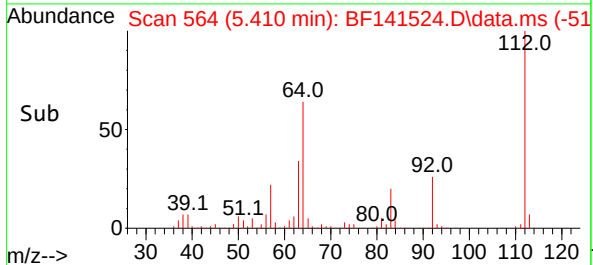
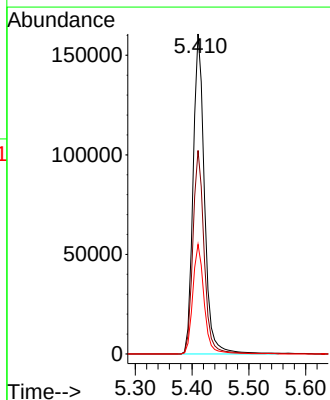
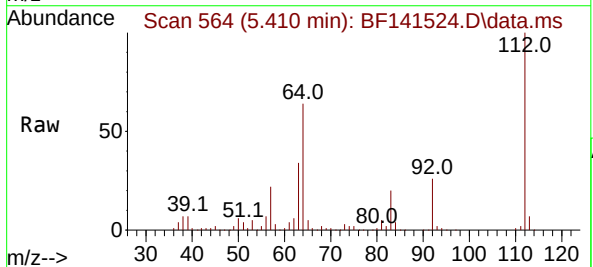
Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

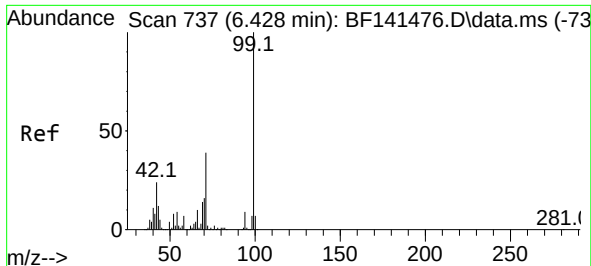
Tgt Ion:152 Resp: 86637
Ion Ratio Lower Upper
152 100
150 158.6 125.0 187.4
115 63.8 53.6 80.4



#5
2-Fluorophenol
Concen: 40.689 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion:112 Resp: 224859
Ion Ratio Lower Upper
112 100
64 63.6 51.1 76.7
63 34.2 28.4 42.6

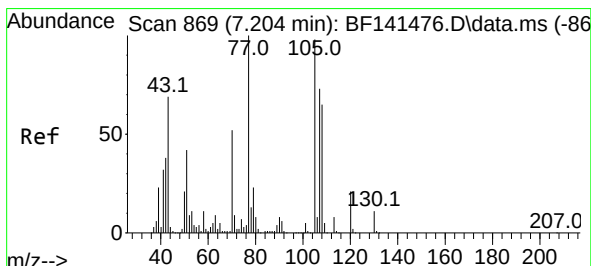
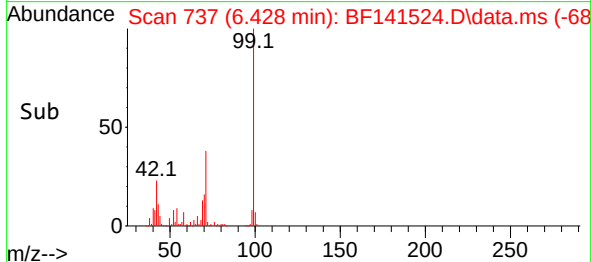
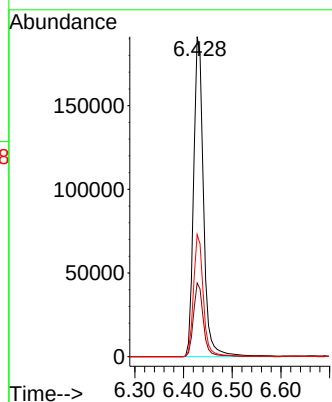
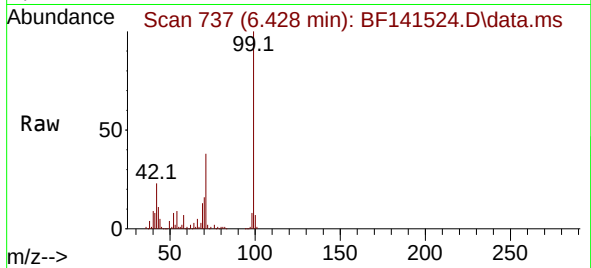




#7
Phenol-d6
Concen: 38.840 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

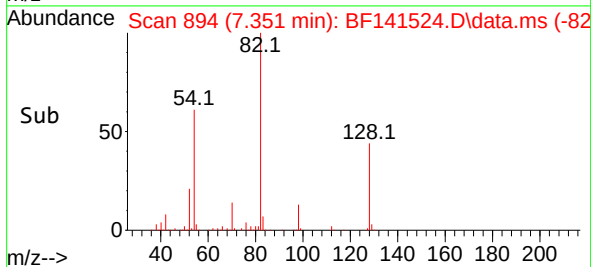
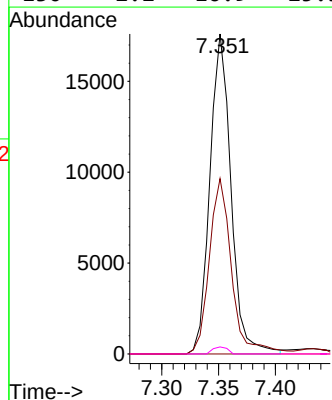
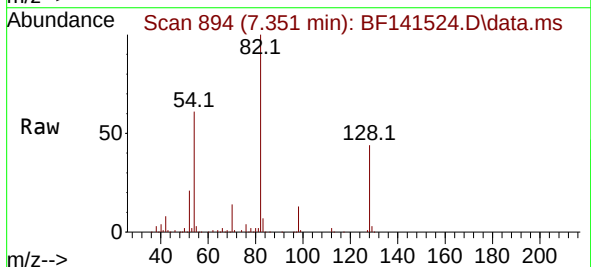
Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

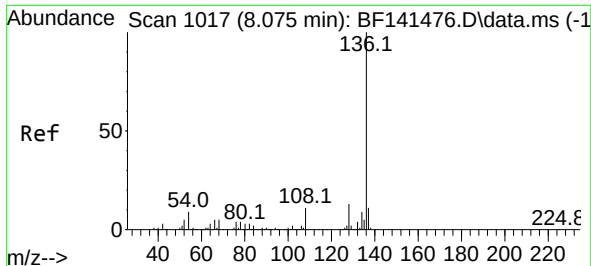
Tgt Ion: 99 Resp: 271285
Ion Ratio Lower Upper
99 100
42 23.0 19.1 28.7
71 38.1 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 5.450 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion: 70 Resp: 22769
Ion Ratio Lower Upper
70 100
42 54.8 57.4 86.2#
101 0.0 8.0 12.0#
130 2.2 16.9 25.3#

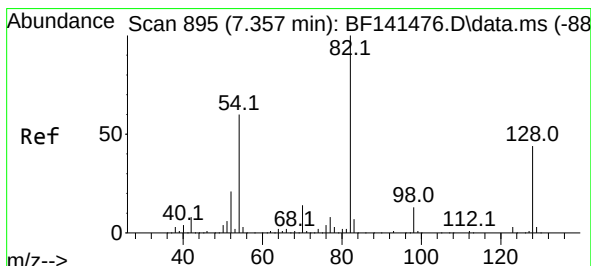
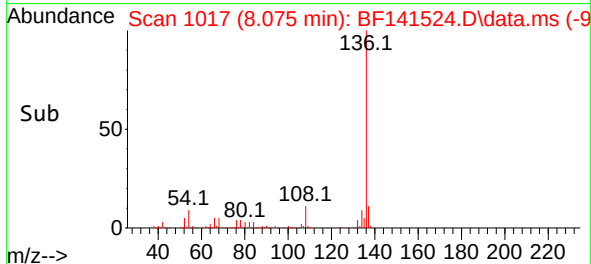
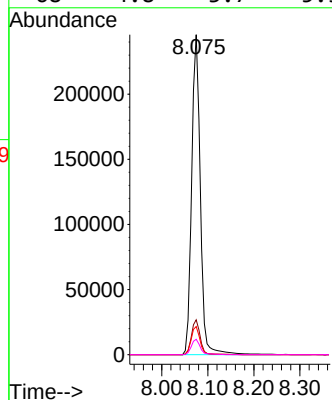
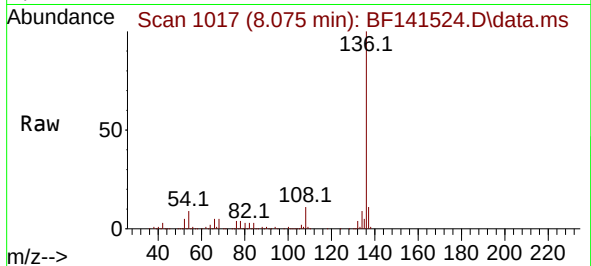




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

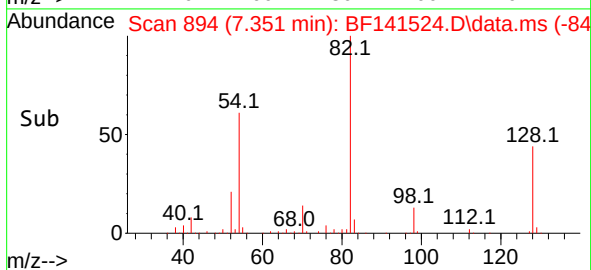
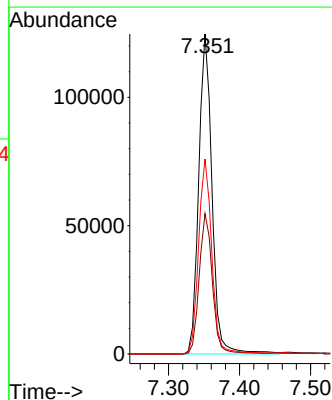
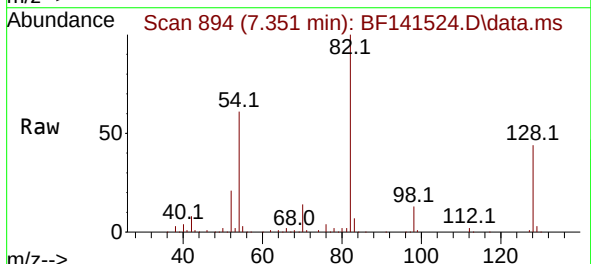
Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

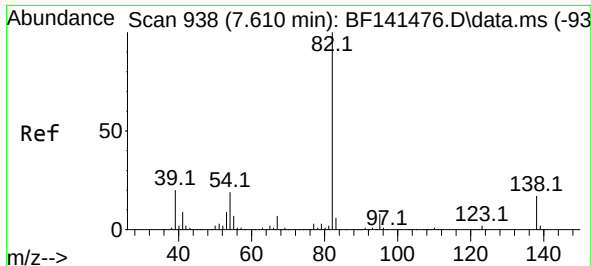
Tgt Ion:	136	Resp:	320633
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.8	7.2	10.8
68	4.8	3.7	5.5



#23
Nitrobenzene-d5
Concen: 26.474 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion:	82	Resp:	162742
Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.8	52.2
54	60.9	48.2	72.4

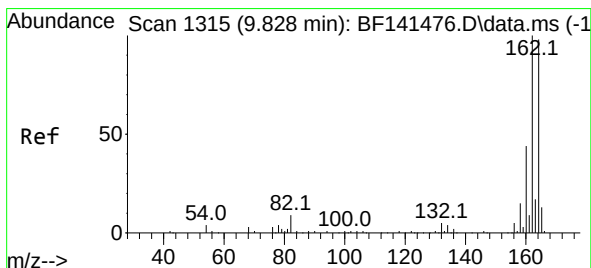
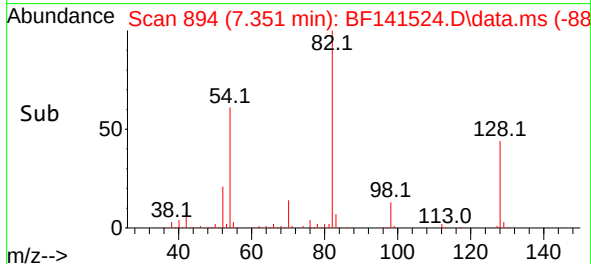
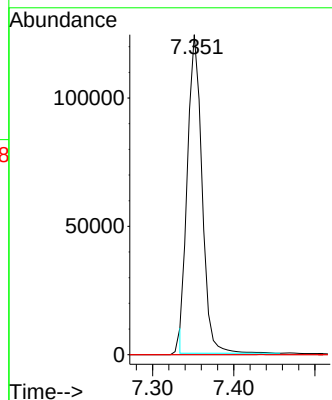
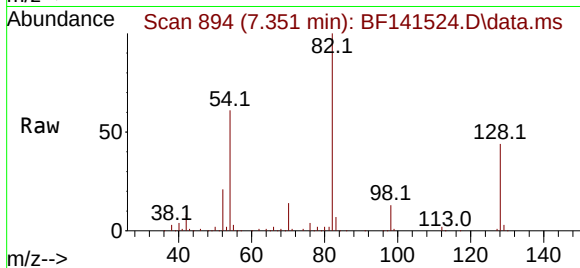




#25
Isophorone
Concen: 15.771 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

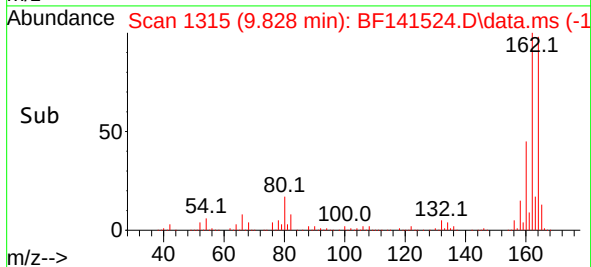
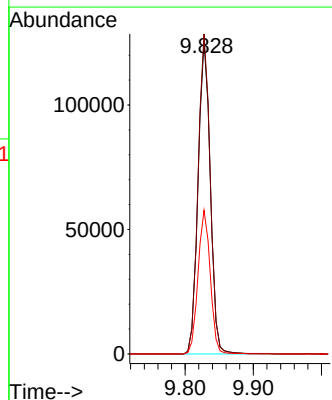
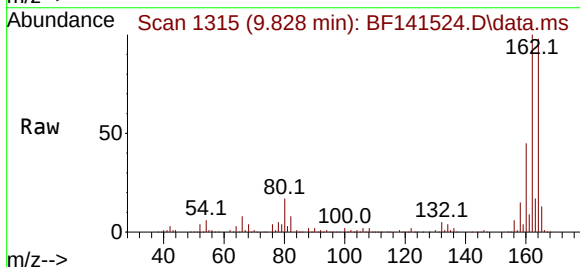
Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

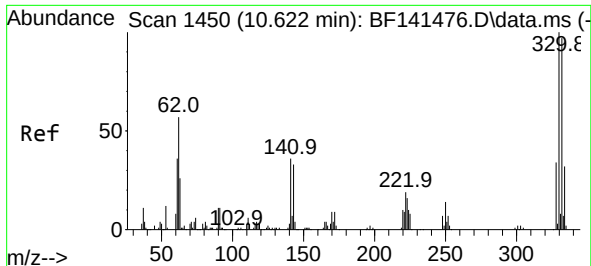
Tgt Ion: 82 Resp: 154586
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion:164 Resp: 156448
Ion Ratio Lower Upper
164 100
162 102.4 81.3 121.9
160 46.0 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 34.152 ng

RT: 10.622 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF141524.D

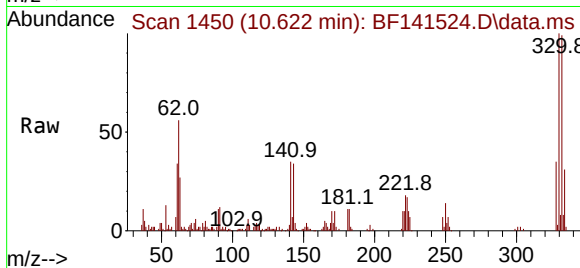
Acq: 07 Feb 2025 22:33

Instrument :

BNA_F

ClientSampleId :

JPP-51.4-013025



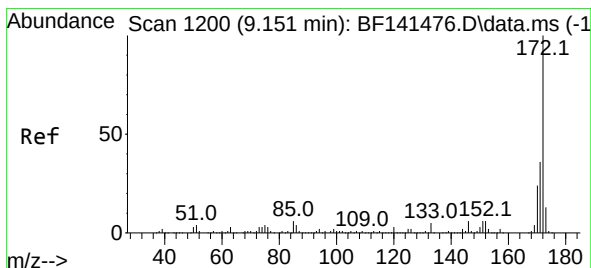
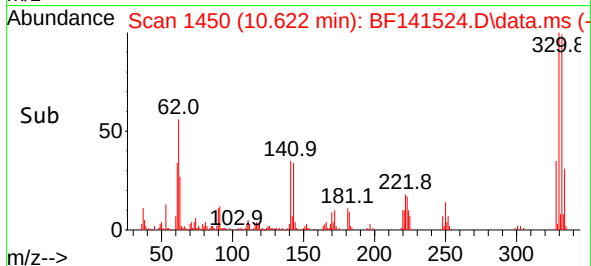
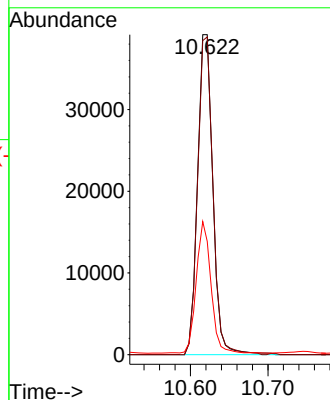
Tgt Ion:330 Resp: 53673

Ion Ratio Lower Upper

330 100

332 99.0 78.5 117.7

141 38.9 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 31.434 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF141524.D

Acq: 07 Feb 2025 22:33

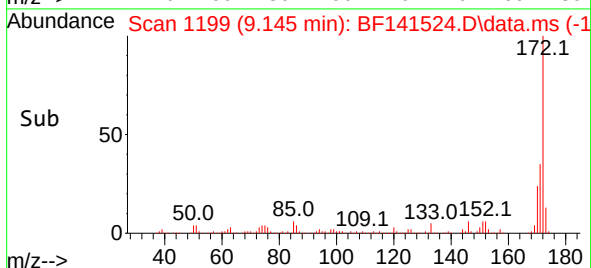
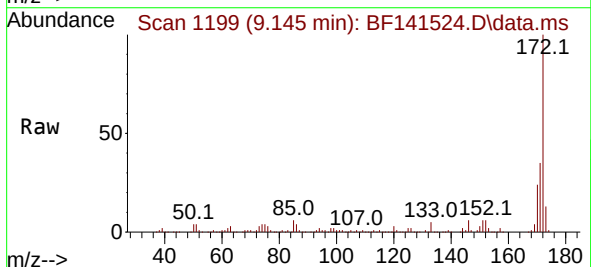
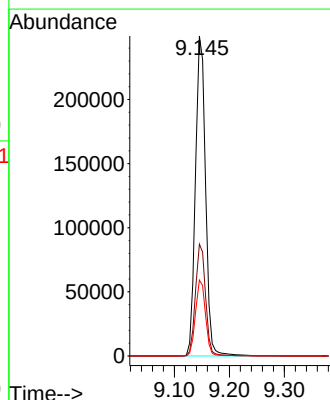
Tgt Ion:172 Resp: 319202

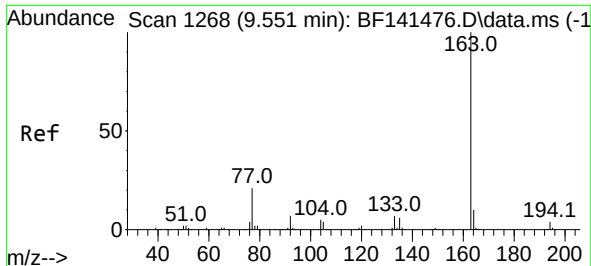
Ion Ratio Lower Upper

172 100

171 35.0 28.7 43.1

170 23.7 18.9 28.3

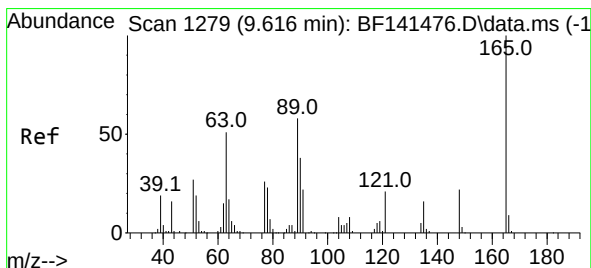
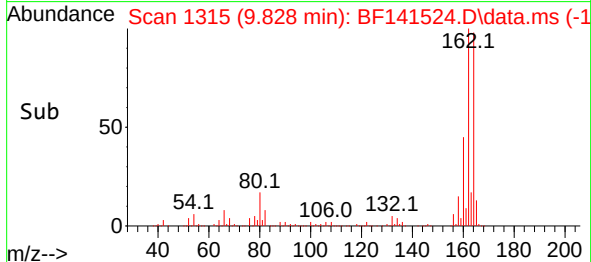
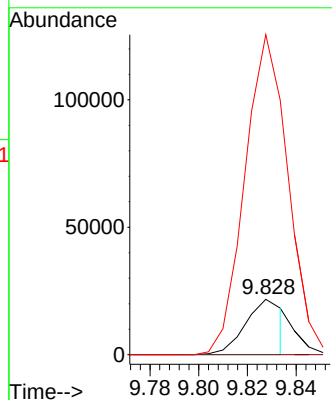
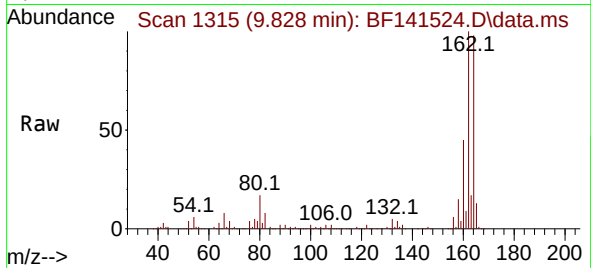




#50
Dimethylphthalate
Concen: 2.162 ng
RT: 9.828 min Scan# 1315
Delta R.T. 0.265 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

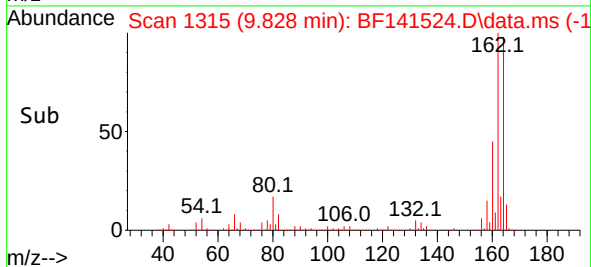
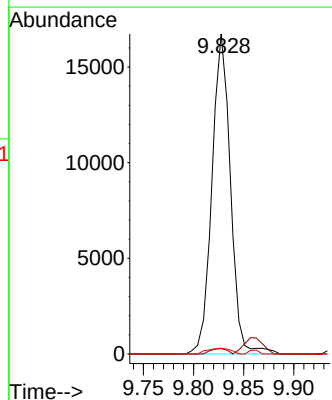
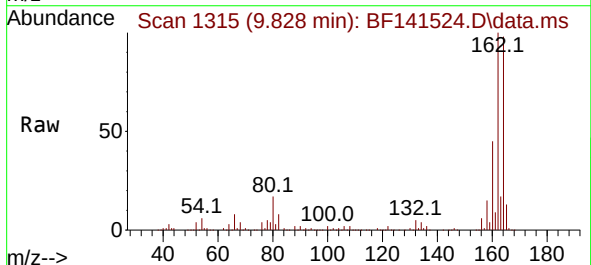
Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

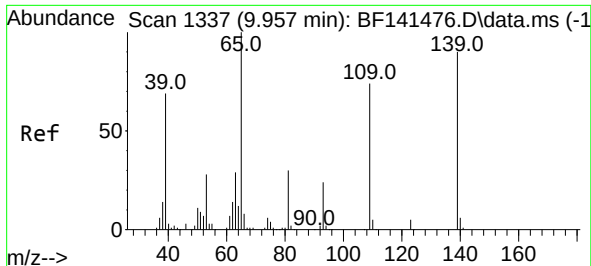
Tgt Ion:163 Resp: 22961
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 577.3 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 9.251 ng
RT: 9.828 min Scan# 1315
Delta R.T. 0.206 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion:165 Resp: 21478
Ion Ratio Lower Upper
165 100
63 1.7 49.4 74.0#
89 1.8 46.5 69.7#





#56

4-Nitrophenol

Concen: 3.004 ng

RT: 10.033 min Scan# 1

Delta R.T. 0.065 min

Lab File: BF141524.D

Acq: 07 Feb 2025 22:33

Instrument :

BNA_F

ClientSampleId :

JPP-51.4-013025

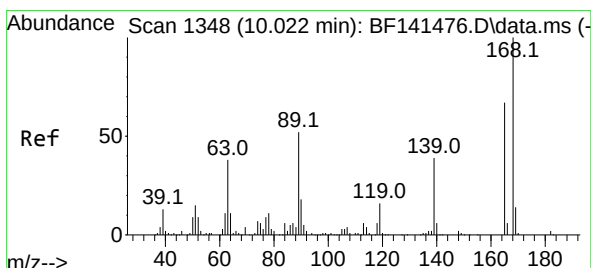
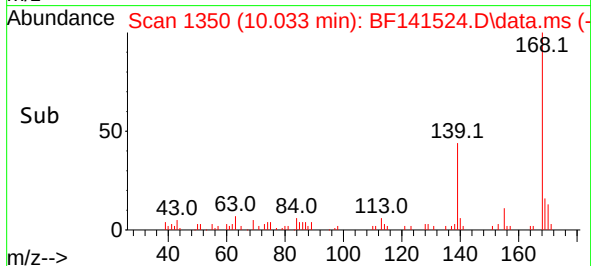
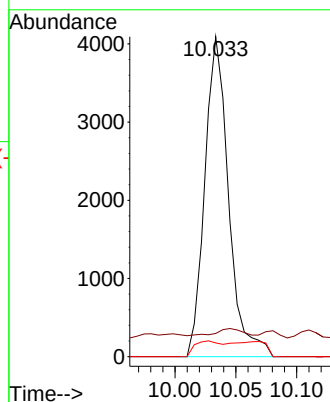
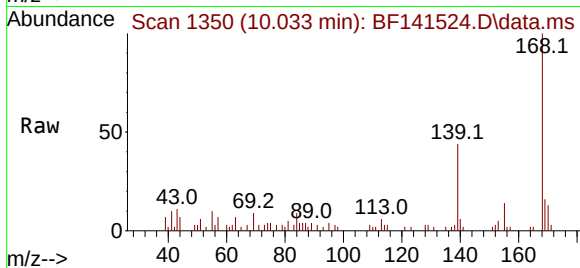
Tgt Ion:139 Resp: 5572

Ion Ratio Lower Upper

139 100

109 7.2 62.0 102.0#

65 4.3 91.2 131.2#



#57

2,4-Dinitrotoluene

Concen: 6.949 ng

RT: 9.828 min Scan# 1315

Delta R.T. -0.200 min

Lab File: BF141524.D

Acq: 07 Feb 2025 22:33

Tgt Ion:165 Resp: 21478

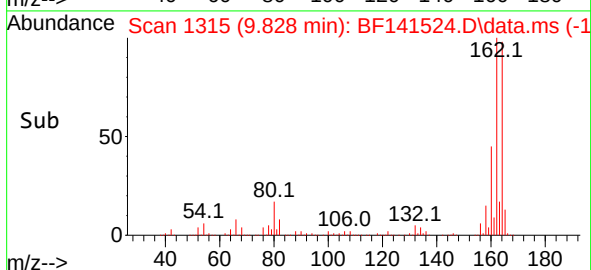
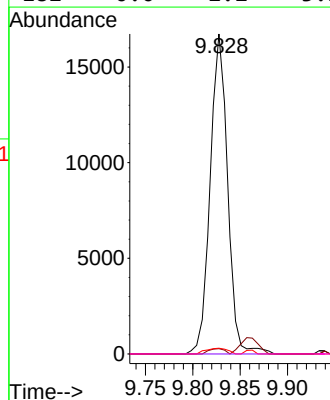
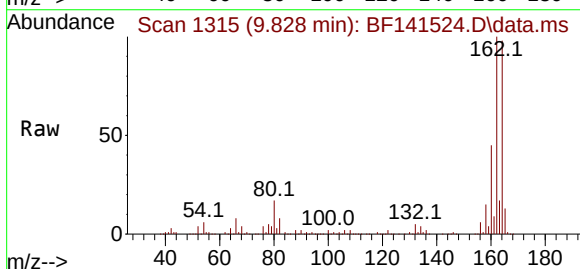
Ion Ratio Lower Upper

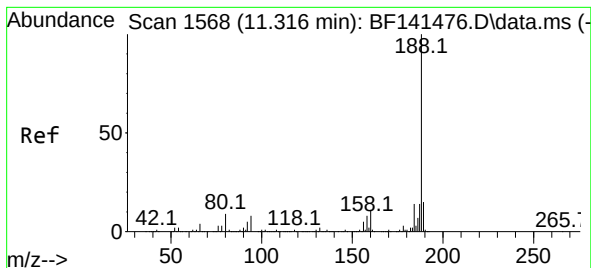
165 100

63 1.7 46.4 69.6#

89 1.8 61.8 92.6#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF141524.D

Acq: 07 Feb 2025 22:33

Instrument :

BNA_F

ClientSampleId :

JPP-51.4-013025

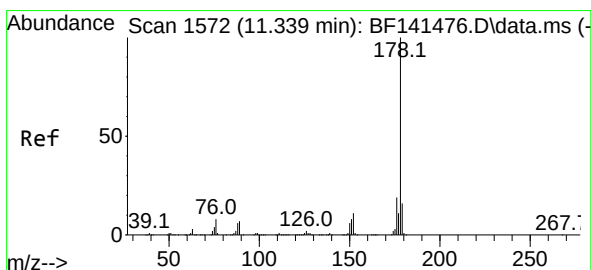
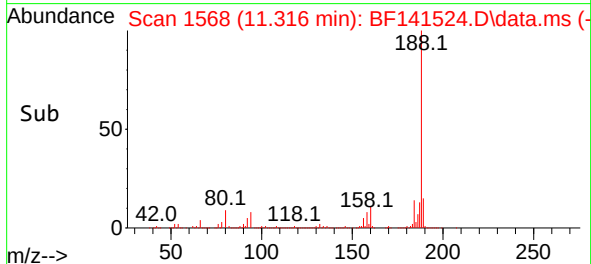
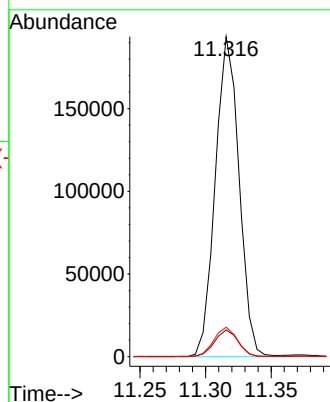
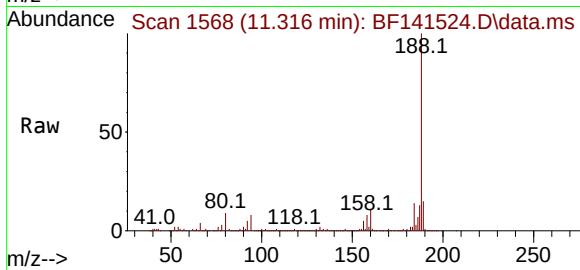
Tgt Ion:188 Resp: 243767

Ion Ratio Lower Upper

188 100

94 8.4 6.6 10.0

80 9.2 7.3 10.9



#71

Phenanthrene

Concen: 19.850 ng

RT: 11.339 min Scan# 1572

Delta R.T. -0.006 min

Lab File: BF141524.D

Acq: 07 Feb 2025 22:33

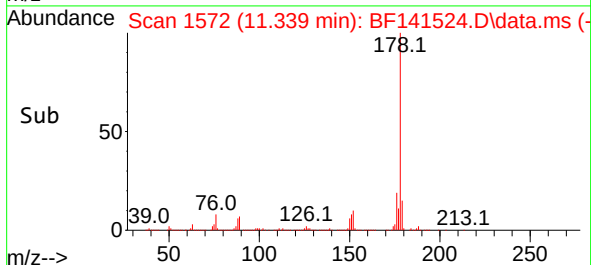
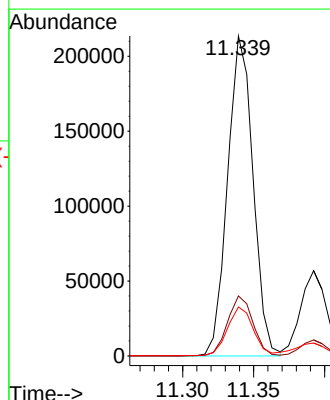
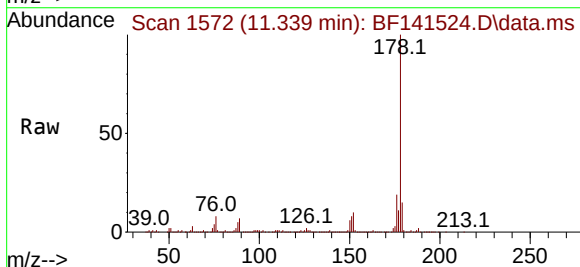
Tgt Ion:178 Resp: 266348

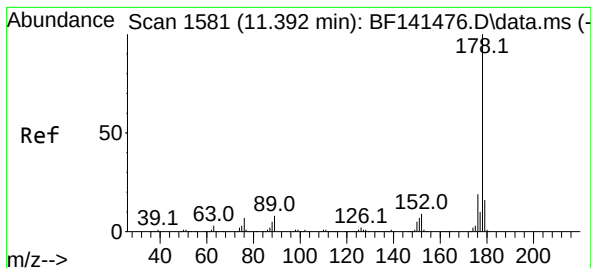
Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.0

179 15.3 12.4 18.6





#72

Anthracene

Concen: 5.579 ng

RT: 11.392 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141524.D

Acq: 07 Feb 2025 22:33

Instrument :

BNA_F

ClientSampleId :

JPP-51.4-013025

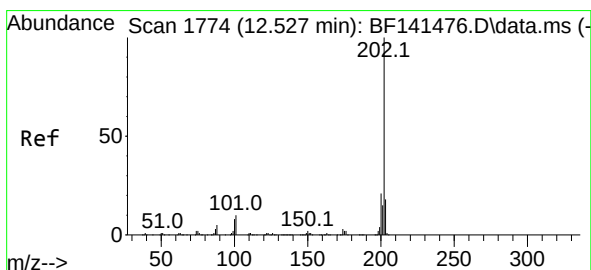
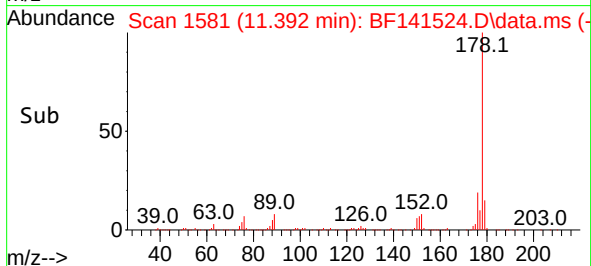
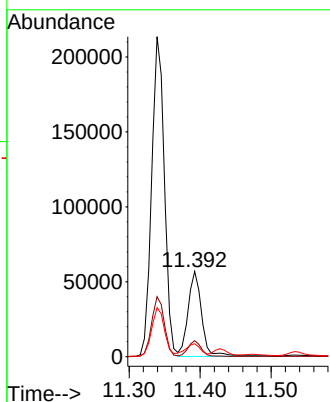
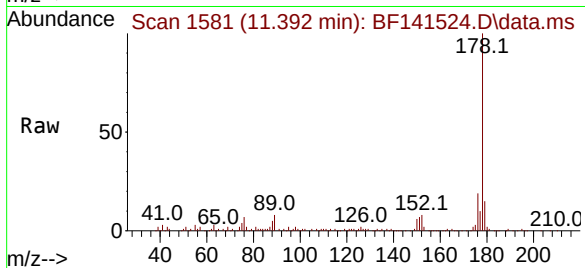
Tgt Ion:178 Resp: 75247

Ion Ratio Lower Upper

178 100

176 18.7 14.8 22.2

179 15.2 12.4 18.6



#75

Fluoranthene

Concen: 33.992 ng

RT: 12.533 min Scan# 1775

Delta R.T. 0.000 min

Lab File: BF141524.D

Acq: 07 Feb 2025 22:33

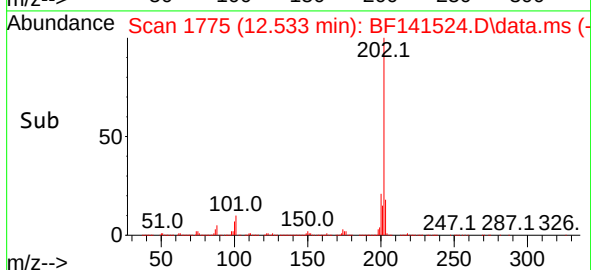
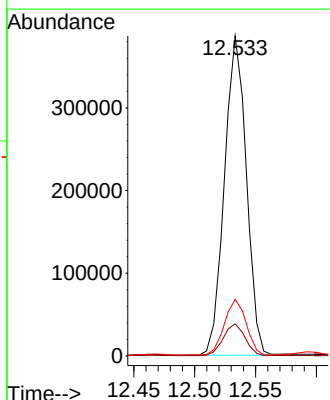
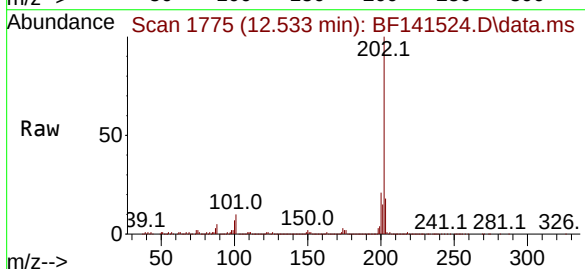
Tgt Ion:202 Resp: 483563

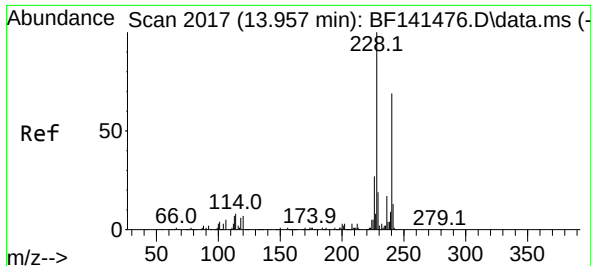
Ion Ratio Lower Upper

202 100

101 10.0 0.0 30.2

203 17.7 0.0 37.6

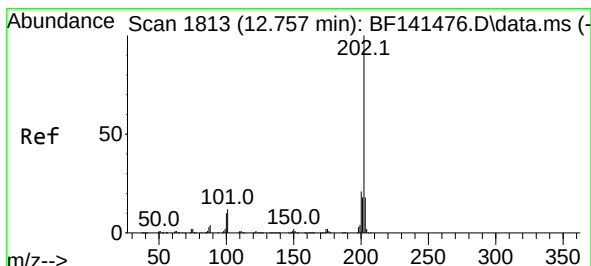
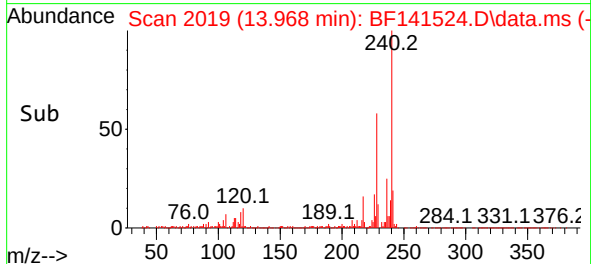
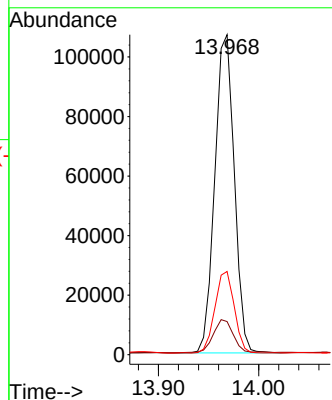
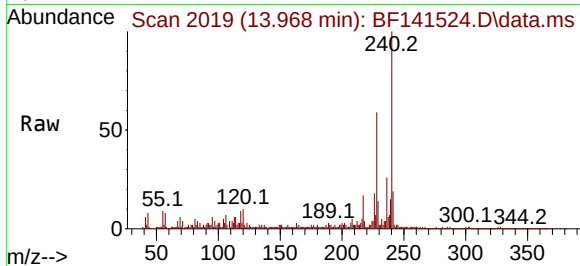




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2017
Delta R.T. 0.006 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

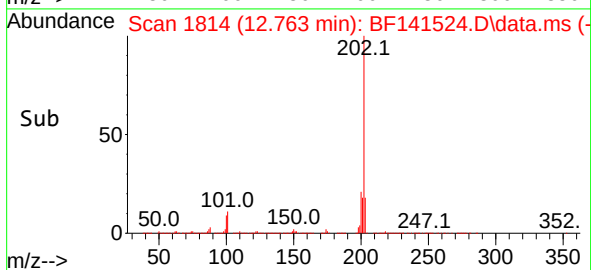
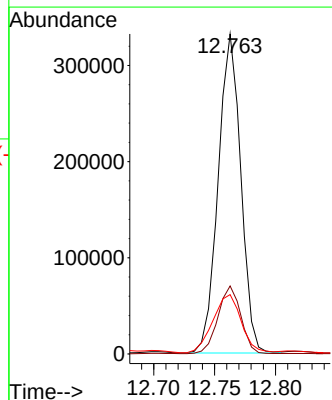
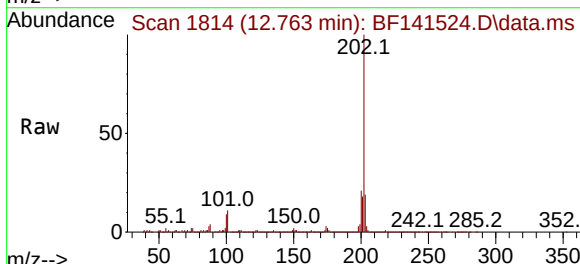
Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

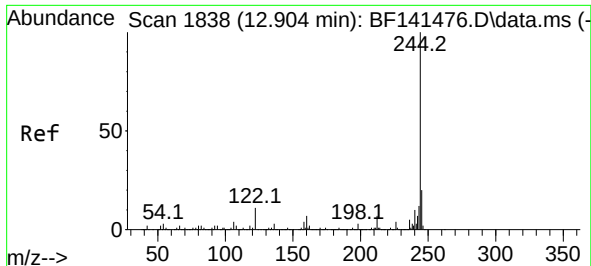
Tgt Ion:240 Resp: 144012
Ion Ratio Lower Upper
240 100
120 10.4 8.0 12.0
236 26.0 19.8 29.8



#78
Pyrene
Concen: 35.055 ng
RT: 12.763 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion:202 Resp: 429747
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 18.6 14.3 21.5

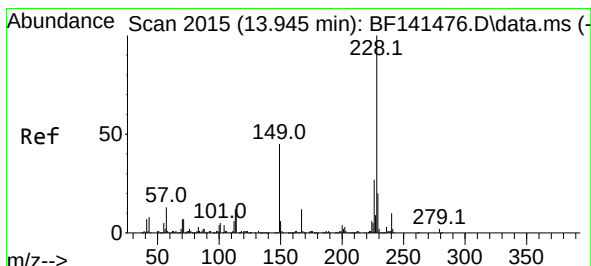
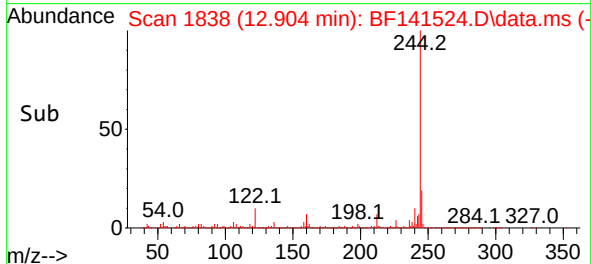
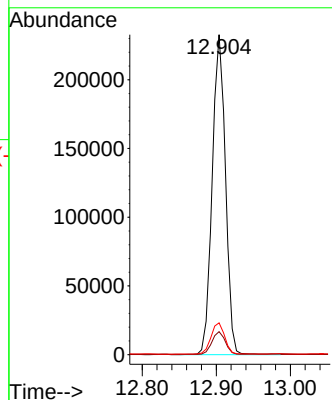
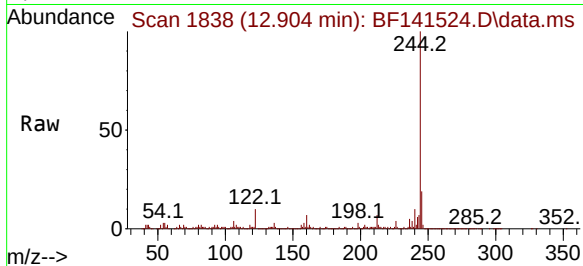




#79
 Terphenyl-d14
 Concen: 33.858 ng
 RT: 12.904 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF141524.D
 Acq: 07 Feb 2025 22:33

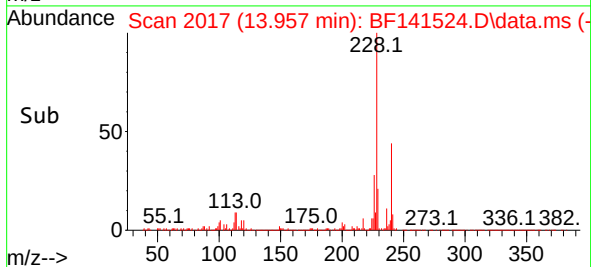
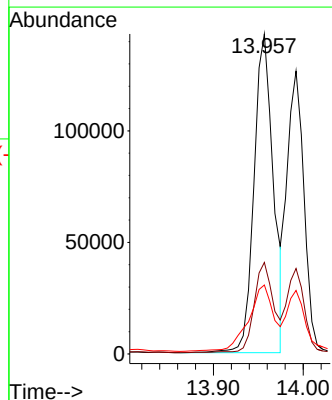
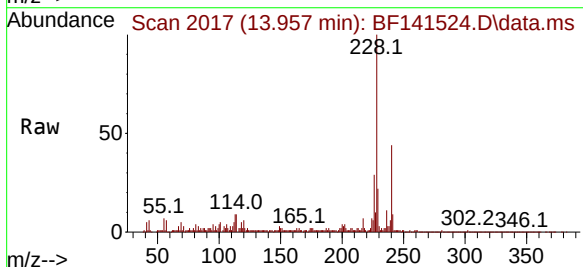
Instrument :
 BNA_F
 ClientSampleId :
 JPP-51.4-013025

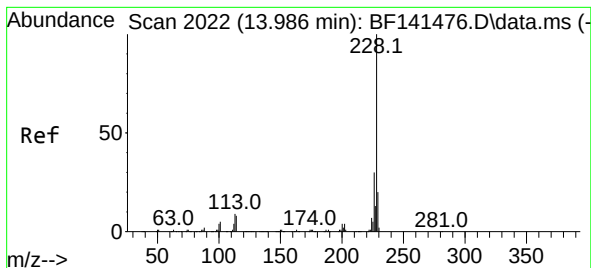
Tgt Ion:244 Resp: 288829
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.6 8.4
 122 10.0 8.4 12.6



#81
 Benzo(a)anthracene
 Concen: 22.386 ng
 RT: 13.957 min Scan# 2017
 Delta R.T. 0.006 min
 Lab File: BF141524.D
 Acq: 07 Feb 2025 22:33

Tgt Ion:228 Resp: 214302
 Ion Ratio Lower Upper
 228 100
 226 28.6 21.8 32.8
 229 21.6 15.8 23.6





#83

Chrysene

Concen: 18.617 ng

RT: 13.992 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF141524.D

Acq: 07 Feb 2025 22:33

Instrument :

BNA_F

ClientSampleId :

JPP-51.4-013025

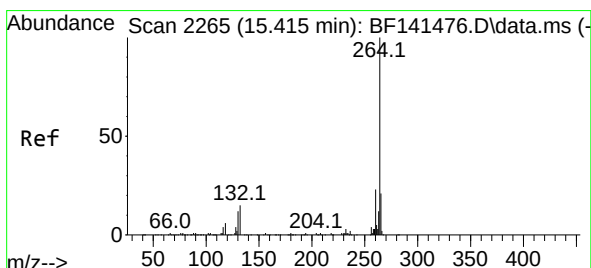
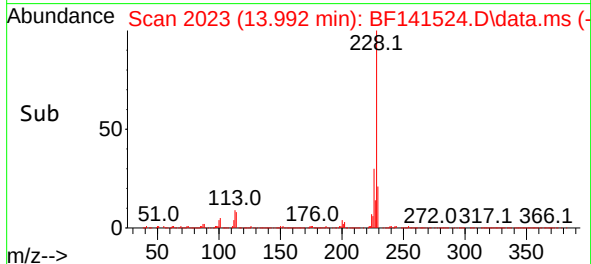
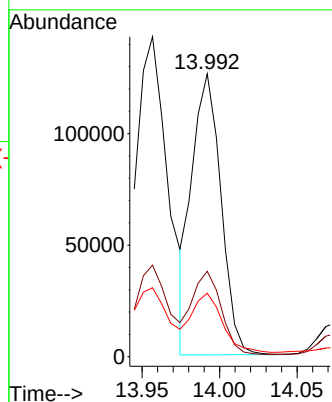
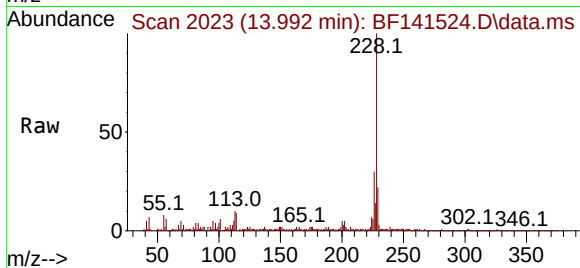
Tgt Ion:228 Resp: 164556

Ion Ratio Lower Upper

228 100

226 30.2 24.0 36.0

229 22.4 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: BF141524.D

Acq: 07 Feb 2025 22:33

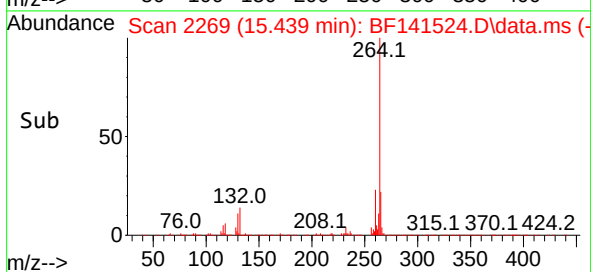
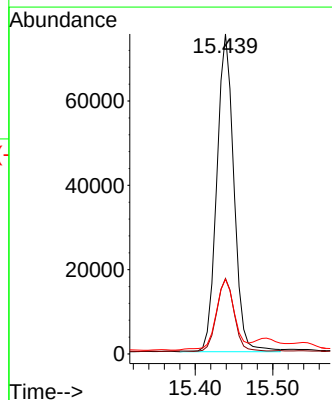
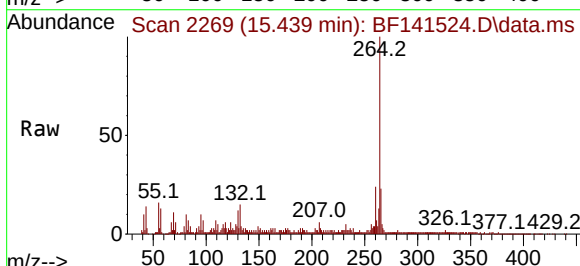
Tgt Ion:264 Resp: 115869

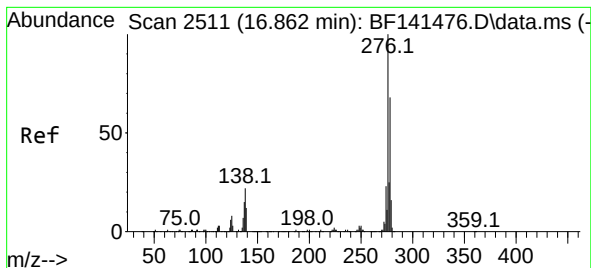
Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 23.4 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.851 ng

RT: 16.886 min Scan# 2197

Delta R.T. 0.012 min

Lab File: BF141524.D

Acq: 07 Feb 2025 22:33

Instrument :

BNA_F

ClientSampleId :

JPP-51.4-013025

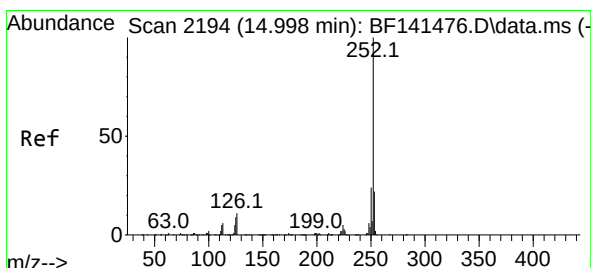
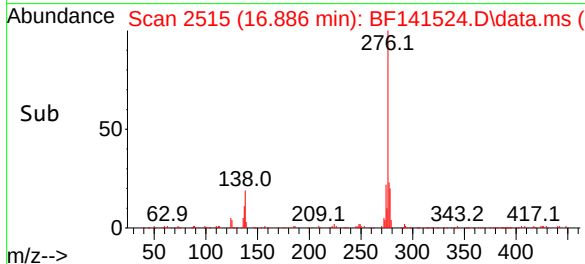
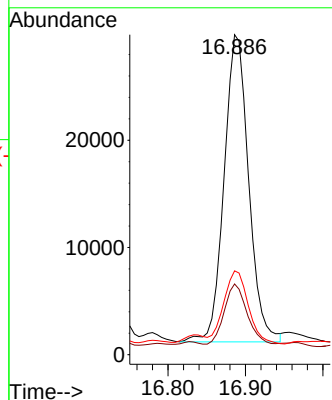
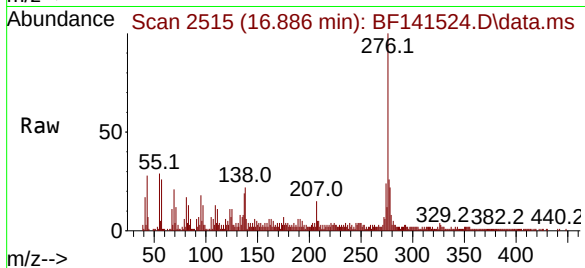
Tgt Ion:276 Resp: 63369

Ion Ratio Lower Upper

276 100

138 18.1 18.0 27.0

277 23.8 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 30.950 ng

RT: 15.015 min Scan# 2197

Delta R.T. 0.012 min

Lab File: BF141524.D

Acq: 07 Feb 2025 22:33

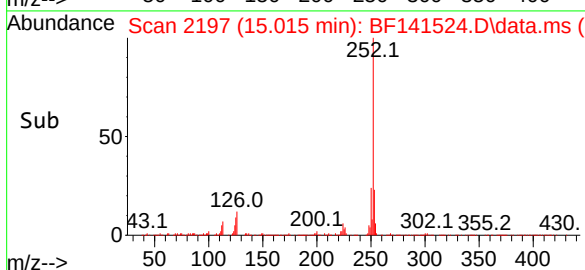
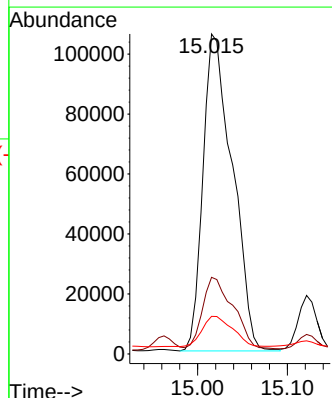
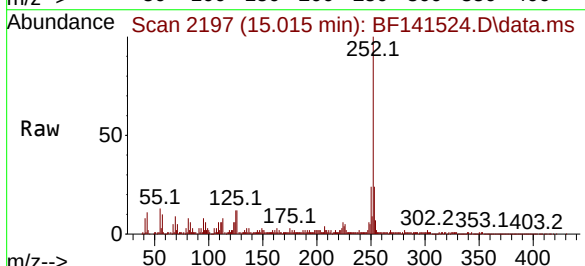
Tgt Ion:252 Resp: 240792

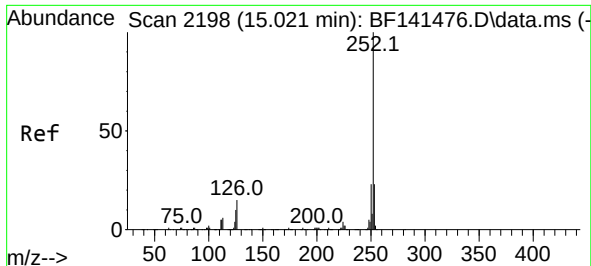
Ion Ratio Lower Upper

252 100

253 23.9 17.5 26.3

125 11.8 7.0 10.6#

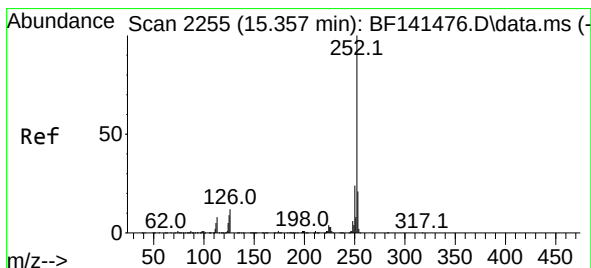
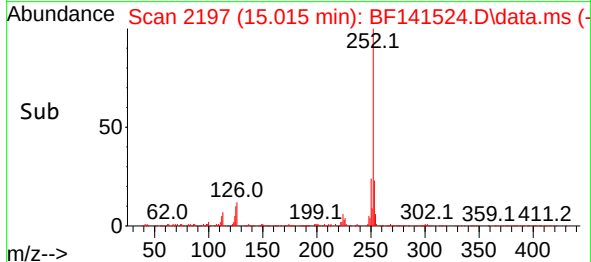
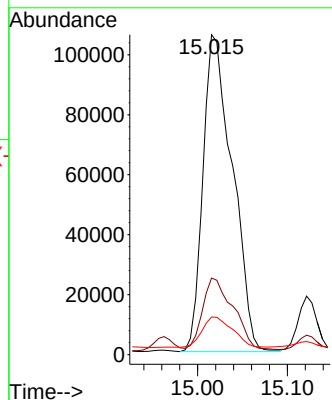
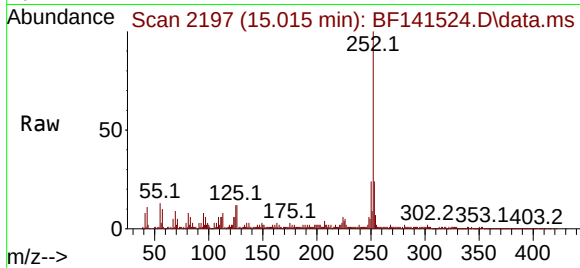




#89
Benzo(k)fluoranthene
Concen: 36.245 ng
RT: 15.015 min Scan# 2198
Delta R.T. -0.018 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

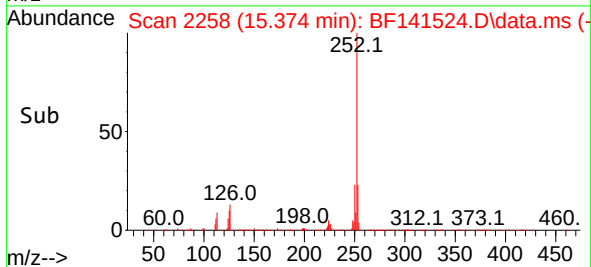
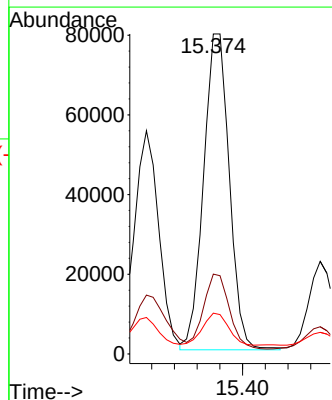
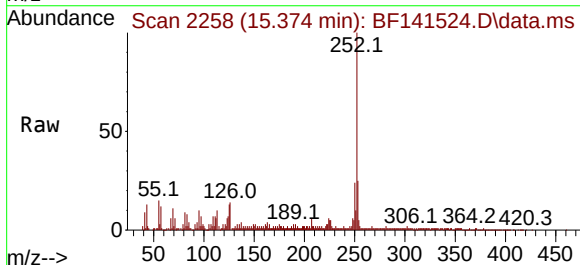
Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

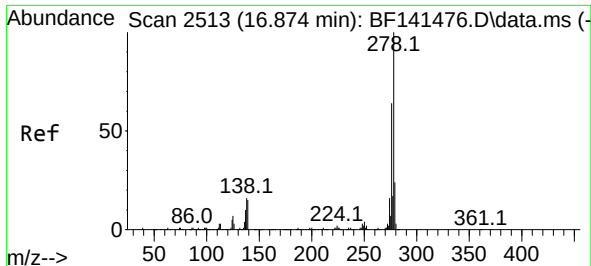
Tgt Ion:252 Resp: 240792
Ion Ratio Lower Upper
252 100
253 23.9 18.0 27.0
125 11.8 7.4 11.0#



#90
Benzo(a)pyrene
Concen: 19.857 ng
RT: 15.374 min Scan# 2258
Delta R.T. 0.012 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion:252 Resp: 125004
Ion Ratio Lower Upper
252 100
253 25.0 17.1 25.7
125 12.7 7.4 11.2#

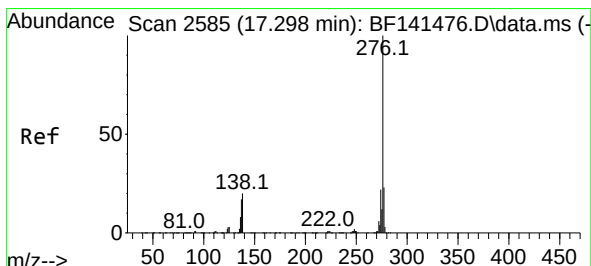
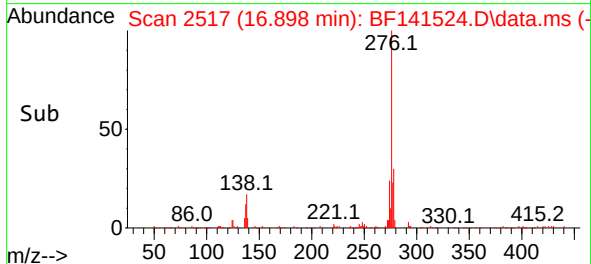
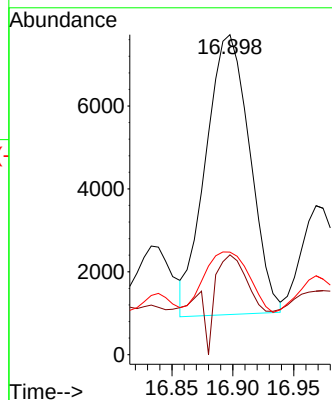
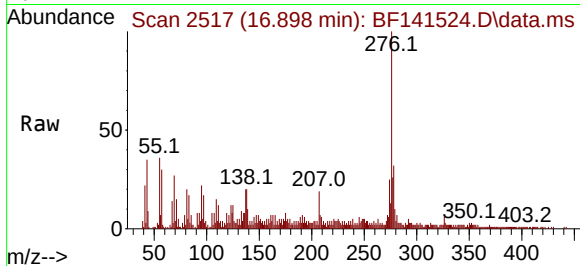




#91
Dibenzo(a,h)anthracene
Concen: 2.933 ng
RT: 16.898 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

Tgt Ion:278 Resp: 17013
Ion Ratio Lower Upper
278 100
139 31.2 11.8 17.6#
279 32.0 19.1 28.7#



#92
Benzo(g,h,i)perylene
Concen: 10.279 ng
RT: 17.327 min Scan# 2590
Delta R.T. 0.012 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion:276 Resp: 62398
Ion Ratio Lower Upper
276 100
277 26.5 18.6 28.0
138 20.2 15.9 23.9

