

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141426.D
 Acq On : 04 Feb 2025 23:04
 Operator : RC/JU
 Sample : Q1232-03DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-46.2-012925DL

Quant Time: Feb 05 00:36:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

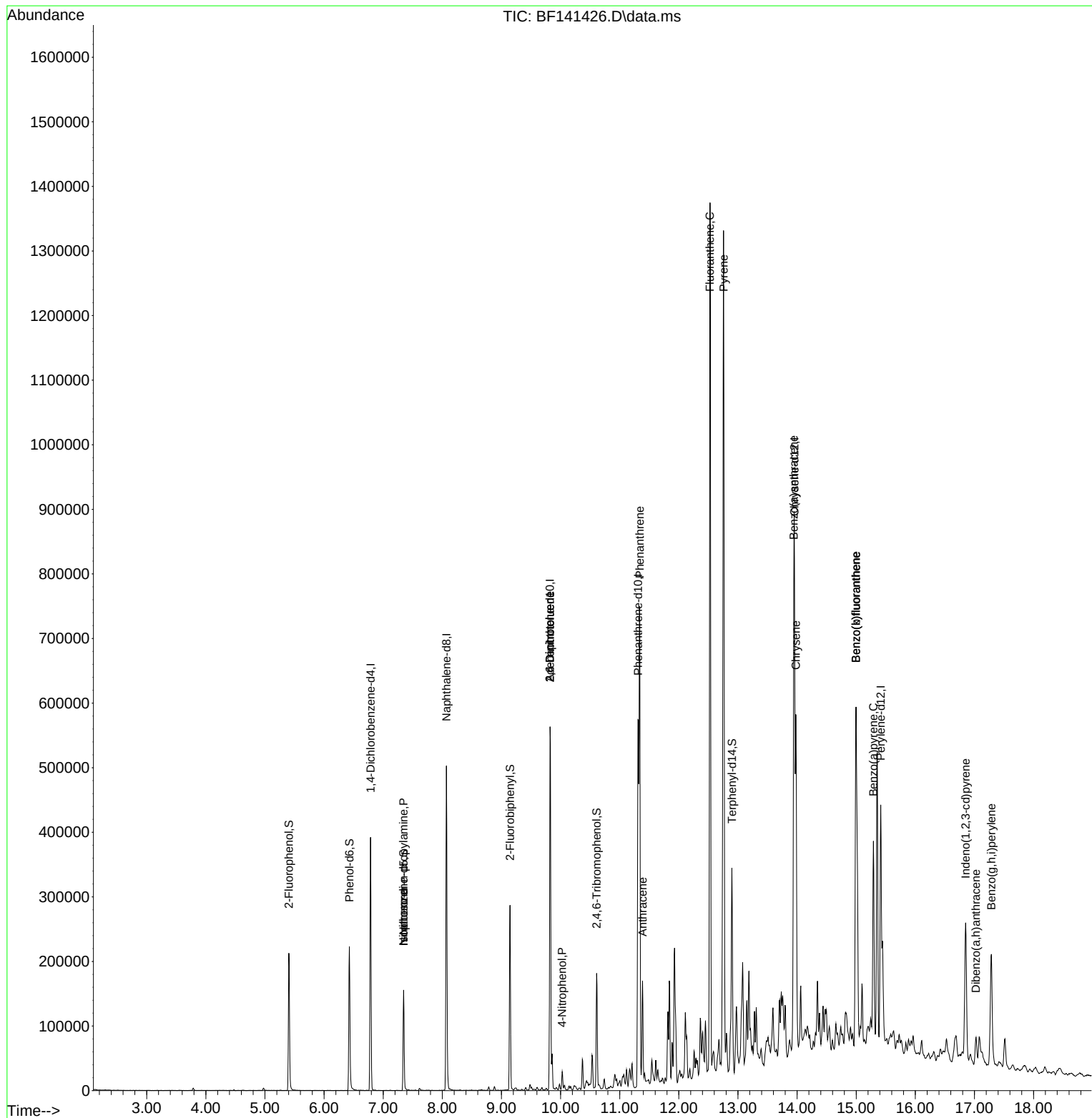
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	75582	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	307005	20.000	ng	#-0.02
39) Acenaphthene-d10	9.822	164	169441	20.000	ng	-0.02
64) Phenanthrene-d10	11.310	188	294483	20.000	ng	-0.02
76) Chrysene-d12	13.957	240	204133	20.000	ng	#-0.02
86) Perylene-d12	15.415	264	214815	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	80800	16.412	ng	0.00
7) Phenol-d6	6.428	99	104058	16.615	ng	-0.01
23) Nitrobenzene-d5	7.345	82	66597	11.436	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	24468	15.751	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	123871	11.252	ng	-0.02
79) Terphenyl-d14	12.898	244	136680	10.326	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	8719	2.343	ng	# 79
25) Isophorone	7.345	82	64875	6.444	ng	# 64
51) 2,6-Dinitrotoluene	9.822	165	22258	8.377	ng	# 24
56) 4-Nitrophenol	10.028	139	5432	2.852	ng	# 6
57) 2,4-Dinitrotoluene	9.822	165	22258	6.470	ng	# 23
71) Phenanthrene	11.339	178	395385	24.977	ng	100
72) Anthracene	11.386	178	89877	5.795	ng	100
75) Fluoranthene	12.527	202	755201	48.317	ng	97
78) Pyrene	12.757	202	741211	37.827	ng	99
81) Benzo(a)anthracene	13.945	228	313651	22.266	ng	98
83) Chrysene	13.980	228	268733	20.816	ng	98
87) Indeno(1,2,3-cd)pyrene	16.851	276	165313	11.923	ng	# 89
88) Benzo(b)fluoranthene	14.998	252	460133	34.053	ng	98
89) Benzo(k)fluoranthene	14.998	252	460133	38.439	ng	98
90) Benzo(a)pyrene	15.292	252	183298	16.053	ng	99
91) Dibenzo(a,h)anthracene	17.027	278	30587	2.742	ng	94
92) Benzo(g,h,i)perylene	17.286	276	154375	13.310	ng	96

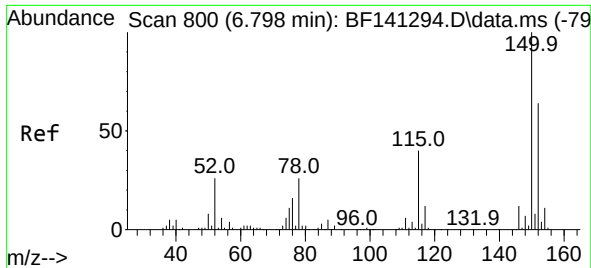
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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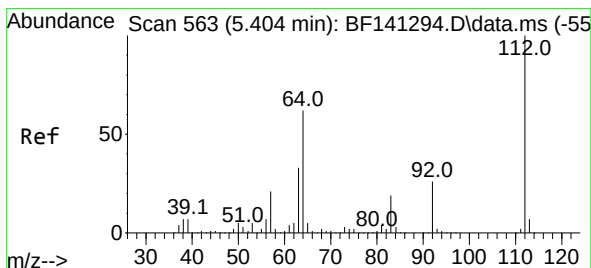
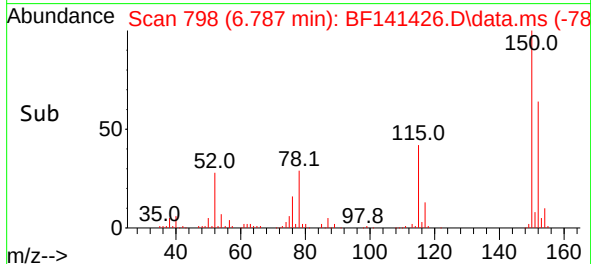
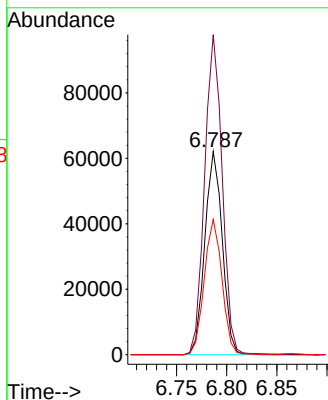
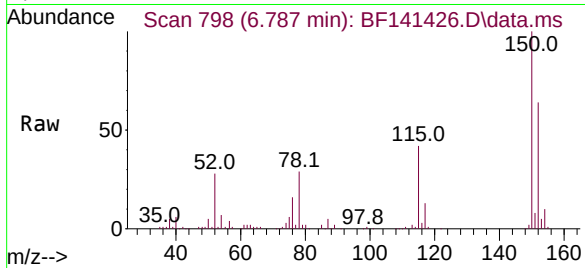




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 798
 Delta R.T. -0.017 min
 Lab File: BF141426.D
 Acq: 04 Feb 2025 23:04

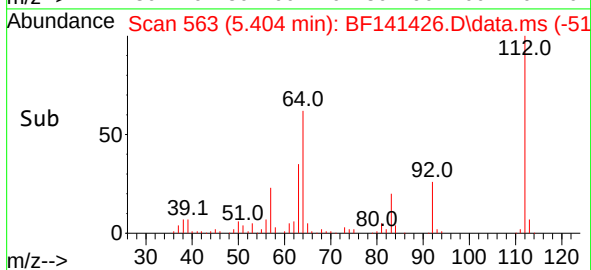
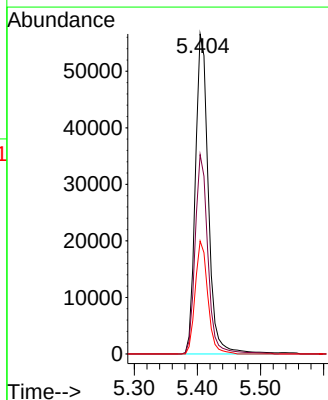
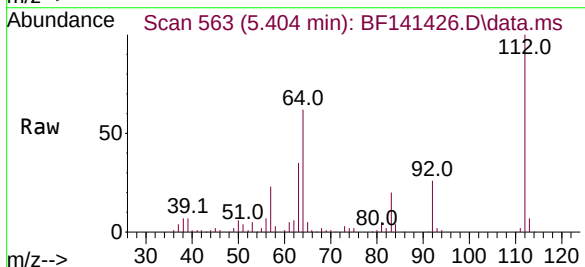
Instrument :
 BNA_F
 ClientSampleId :
 JPP-46.2-012925DL

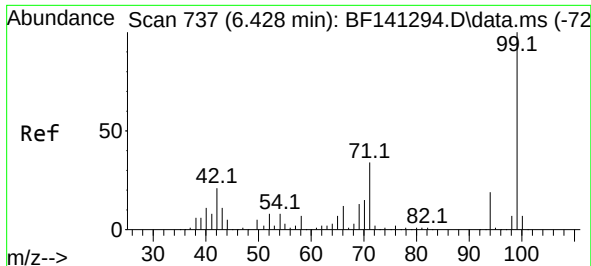
Tgt Ion:152 Resp: 75582
 Ion Ratio Lower Upper
 152 100
 150 157.5 125.9 188.9
 115 66.5 49.7 74.5



#5
 2-Fluorophenol
 Concen: 16.412 ng
 RT: 5.404 min Scan# 563
 Delta R.T. -0.006 min
 Lab File: BF141426.D
 Acq: 04 Feb 2025 23:04

Tgt Ion:112 Resp: 80800
 Ion Ratio Lower Upper
 112 100
 64 62.3 49.8 74.8
 63 35.3 26.1 39.1

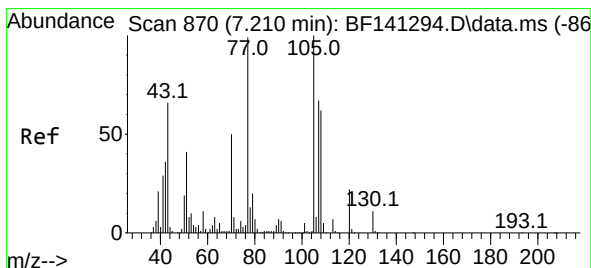
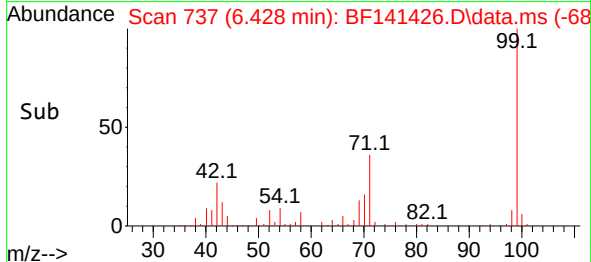
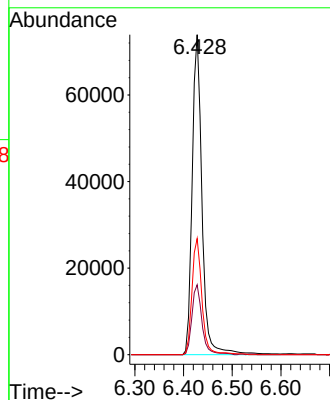
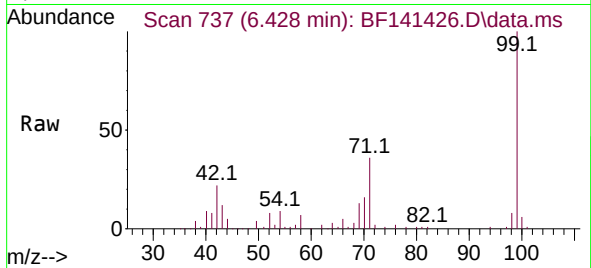




#7
Phenol-d6
Concen: 16.615 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141426.D
Acq: 04 Feb 2025 23:04

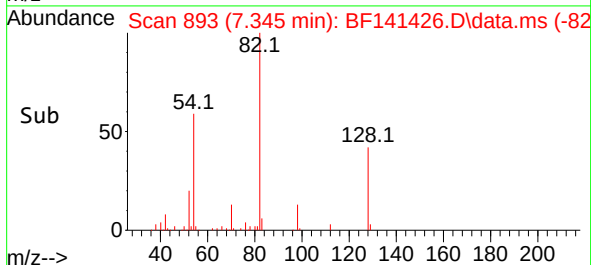
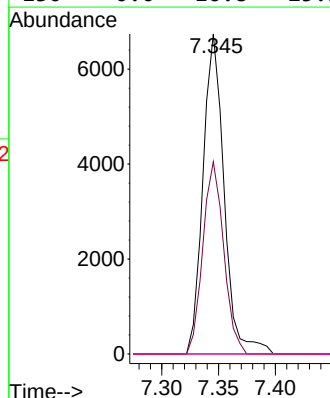
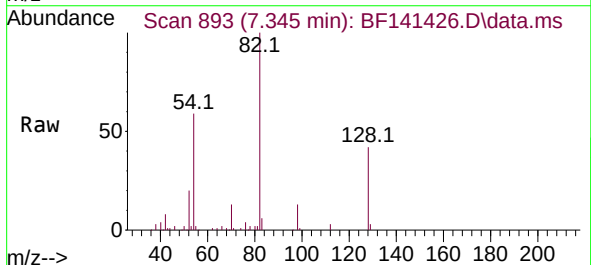
Instrument :
BNA_F
ClientSampleId :
JPP-46.2-012925DL

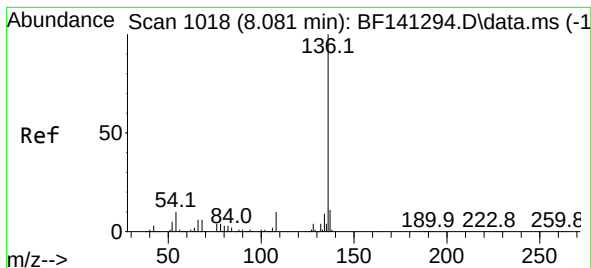
Tgt Ion: 99 Resp: 104058
Ion Ratio Lower Upper
99 100
42 21.9 17.1 25.7
71 36.3 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 2.343 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.118 min
Lab File: BF141426.D
Acq: 04 Feb 2025 23:04

Tgt Ion: 70 Resp: 8719
Ion Ratio Lower Upper
70 100
42 60.1 56.8 85.2
101 0.0 7.7 11.5#
130 0.0 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141426.D

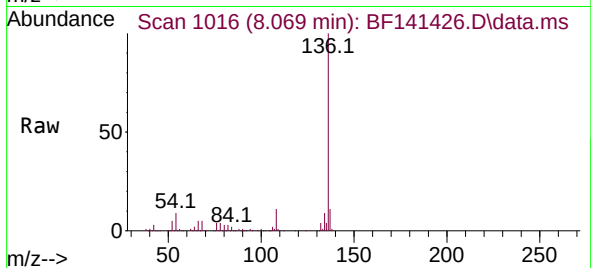
Acq: 04 Feb 2025 23:04

Instrument :

BNA_F

ClientSampleId :

JPP-46.2-012925DL



Tgt Ion:136 Resp: 307005

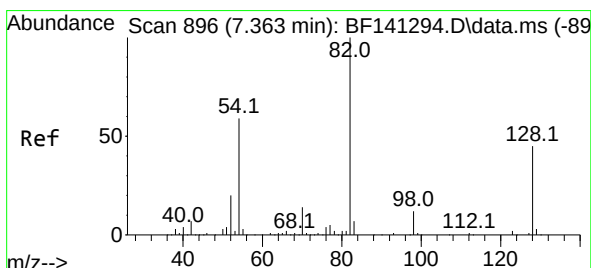
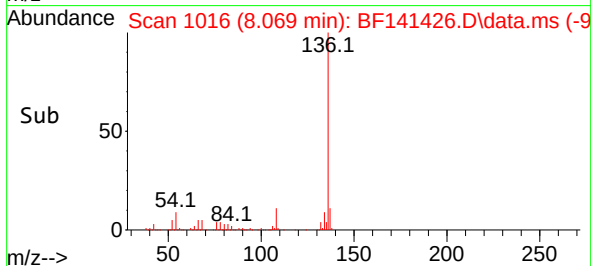
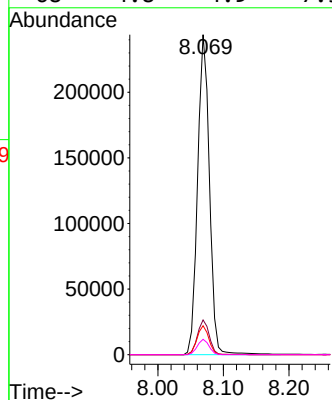
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 9.1 7.8 11.8

68 4.8 4.9 7.3#



#23

Nitrobenzene-d5

Concen: 11.436 ng

RT: 7.345 min Scan# 893

Delta R.T. -0.024 min

Lab File: BF141426.D

Acq: 04 Feb 2025 23:04

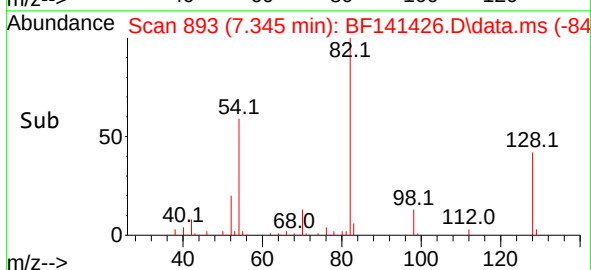
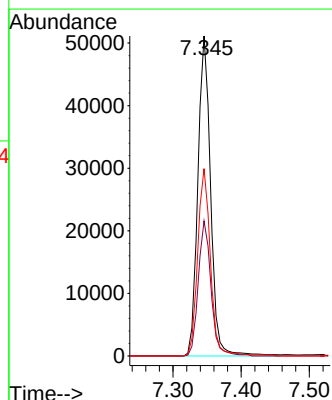
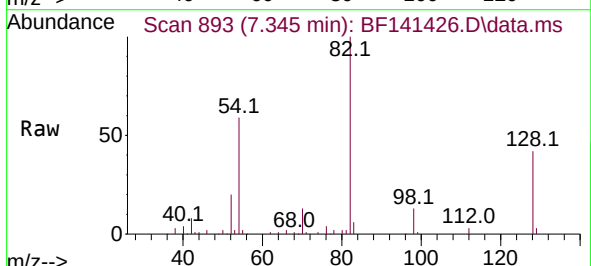
Tgt Ion: 82 Resp: 66597

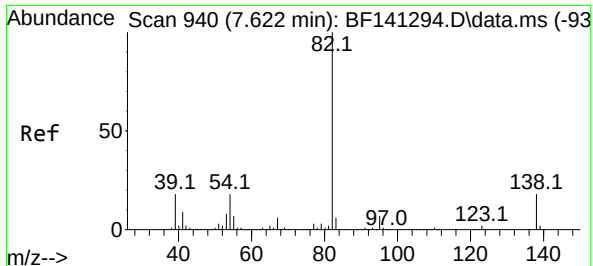
Ion Ratio Lower Upper

82 100

128 42.2 35.7 53.5

54 58.6 47.1 70.7

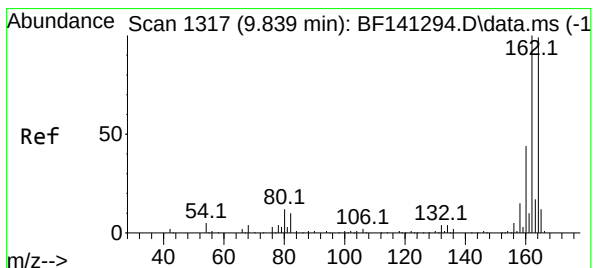
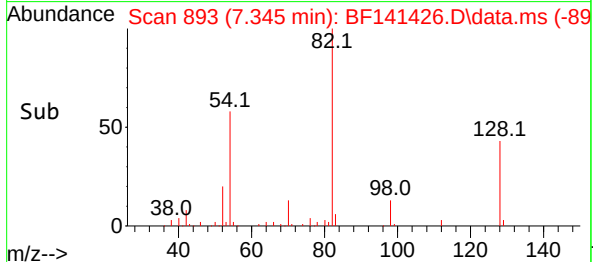
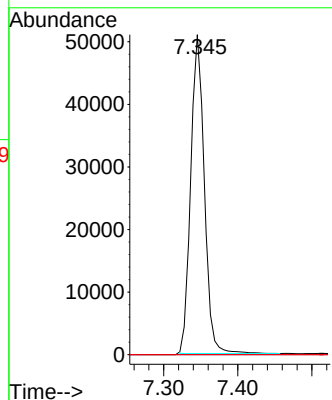
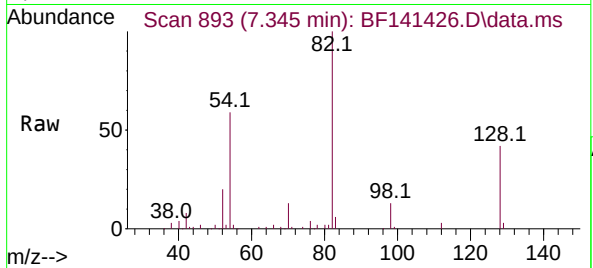




#25
Isophorone
Concen: 6.444 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF141426.D
Acq: 04 Feb 2025 23:04

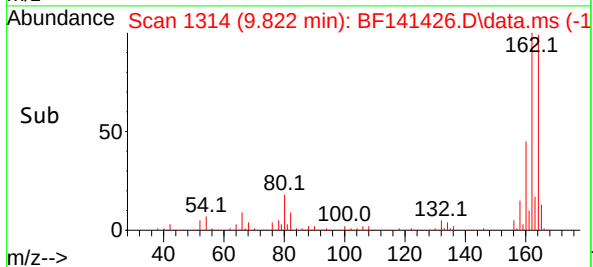
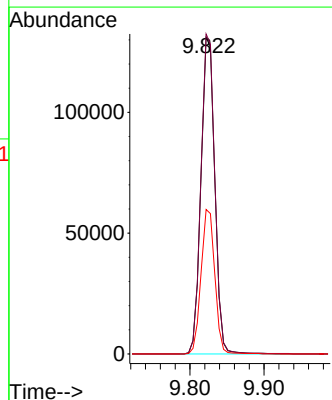
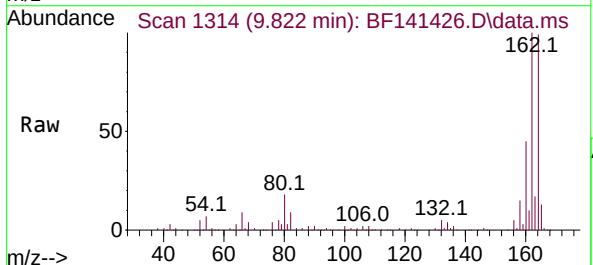
Instrument :
BNA_F
ClientSampleId :
JPP-46.2-012925DL

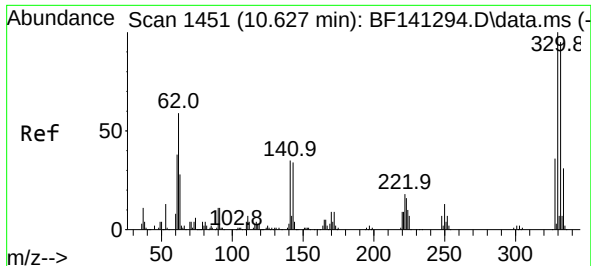
Tgt Ion: 82 Resp: 64875
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.018 min
Lab File: BF141426.D
Acq: 04 Feb 2025 23:04

Tgt Ion:164 Resp: 169441
Ion Ratio Lower Upper
164 100
162 101.1 80.6 121.0
160 45.7 35.8 53.6

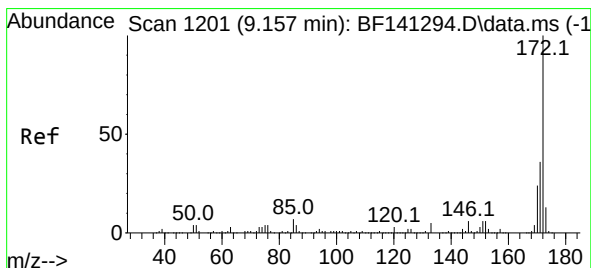
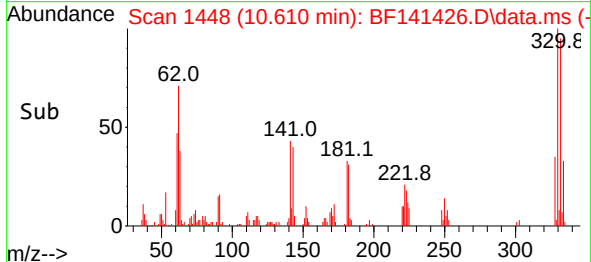
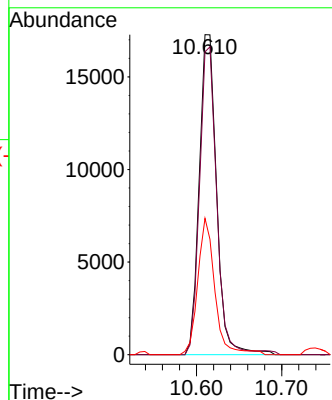
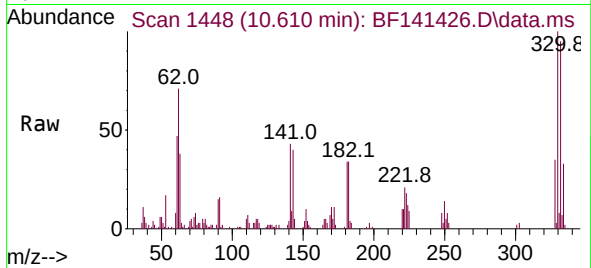




#42
2,4,6-Tribromophenol
Concen: 15.751 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.024 min
Lab File: BF141426.D
Acq: 04 Feb 2025 23:04

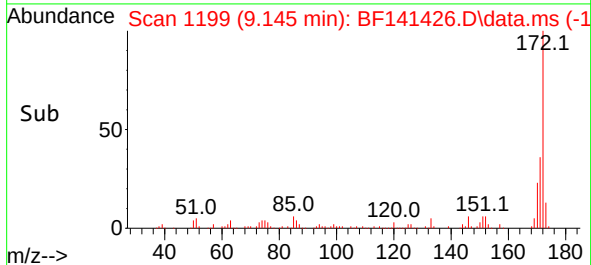
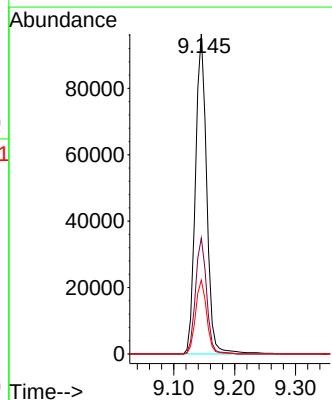
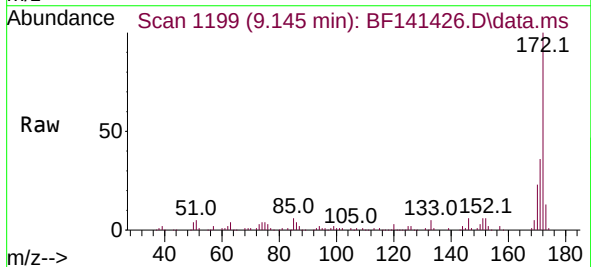
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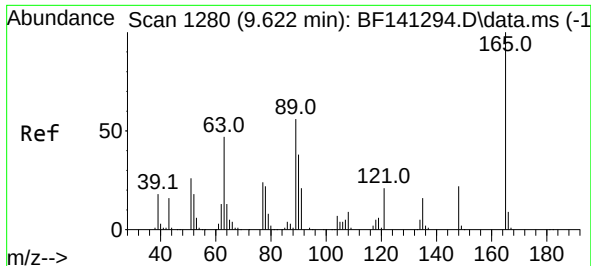
Tgt Ion: 330 Resp: 24468
Ion Ratio Lower Upper
330 100
332 94.4 76.1 114.1
141 42.0 28.8 43.2



#45
2-Fluorobiphenyl
Concen: 11.252 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF141426.D
Acq: 04 Feb 2025 23:04

Tgt Ion: 172 Resp: 123871
Ion Ratio Lower Upper
172 100
171 36.2 28.8 43.2
170 23.1 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 8.377 ng

RT: 9.822 min Scan# 11

Delta R.T. 0.194 min

Lab File: BF141426.D

Acq: 04 Feb 2025 23:04

Instrument :

BNA_F

ClientSampleId :

JPP-46.2-012925DL

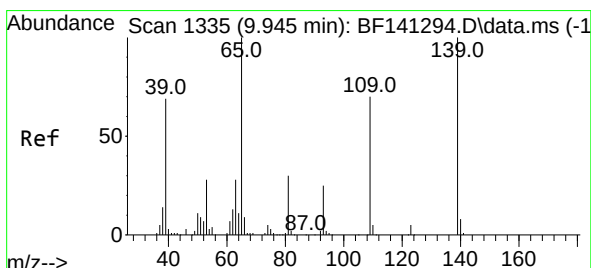
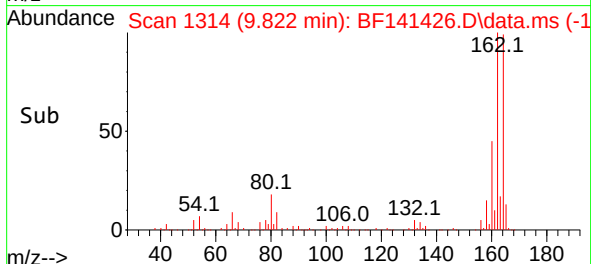
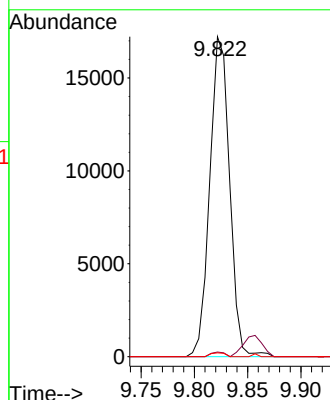
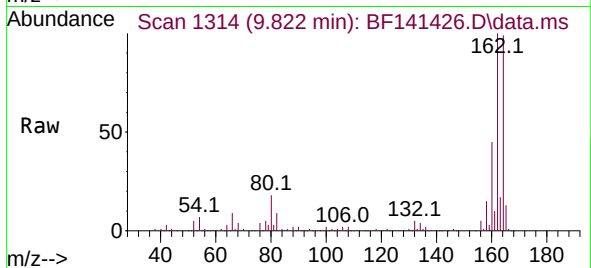
Tgt Ion:165 Resp: 22258

Ion Ratio Lower Upper

165 100

63 1.5 48.1 72.1#

89 1.2 44.9 67.3#



#56

4-Nitrophenol

Concen: 2.852 ng

RT: 10.028 min Scan# 1349

Delta R.T. 0.071 min

Lab File: BF141426.D

Acq: 04 Feb 2025 23:04

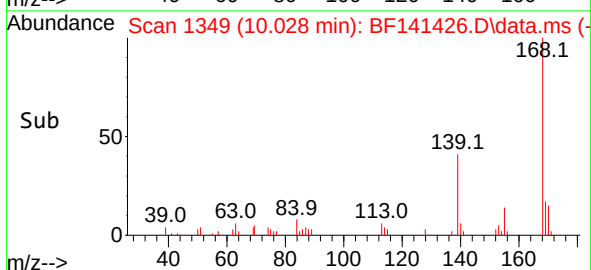
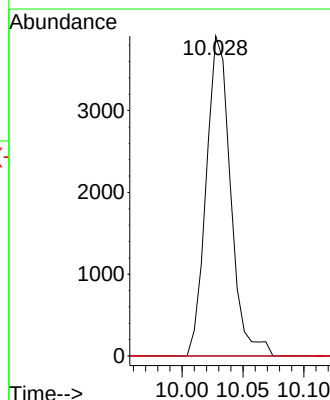
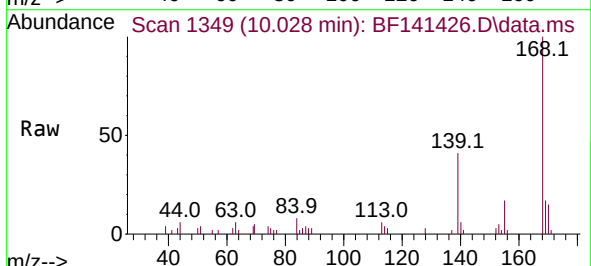
Tgt Ion:139 Resp: 5432

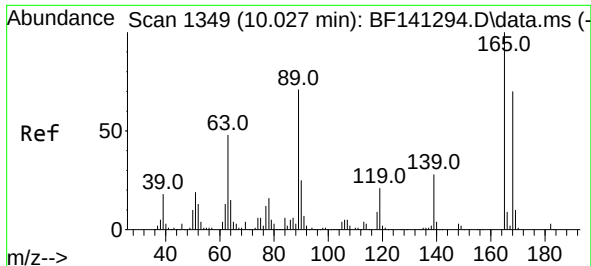
Ion Ratio Lower Upper

139 100

109 0.0 50.2 90.2#

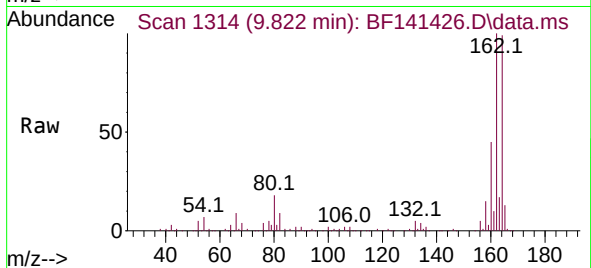
65 0.0 80.6 120.6#



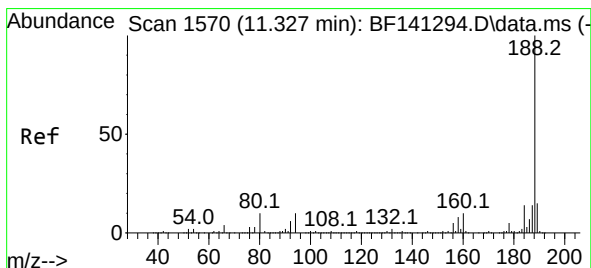
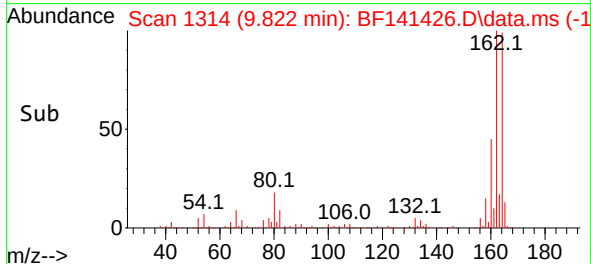
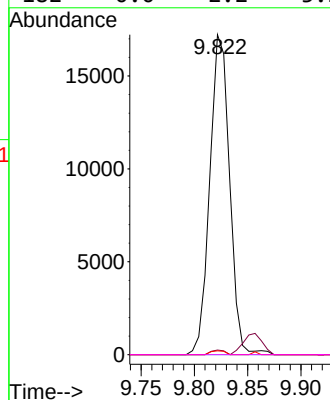


#57
2,4-Dinitrotoluene
Concen: 6.470 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF141426.D
Acq: 04 Feb 2025 23:04

Instrument :
BNA_F
ClientSampleId :
JPP-46.2-012925DL

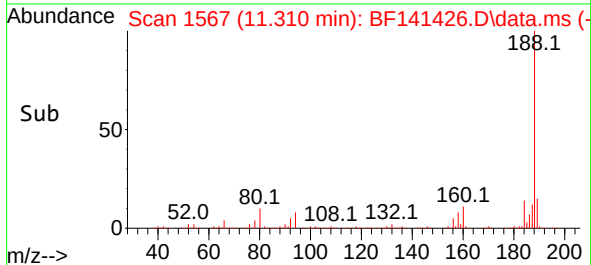
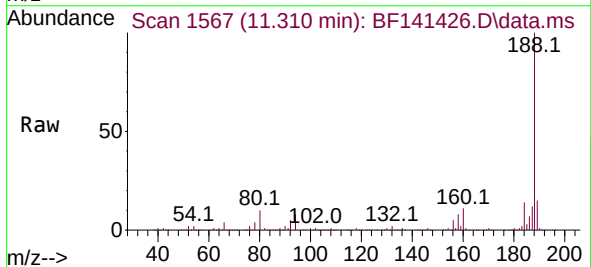
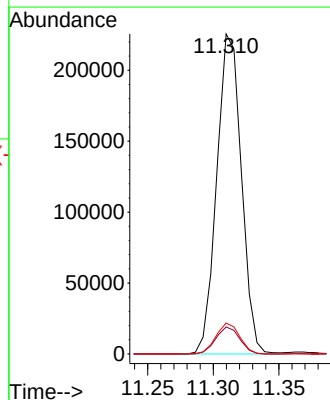


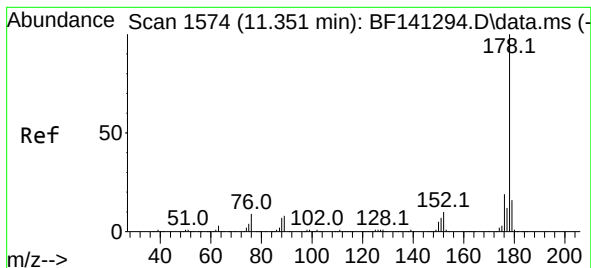
Tgt Ion:165 Resp: 22258
Ion Ratio Lower Upper
165 100
63 1.5 39.2 58.8#
89 1.2 56.9 85.3#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.018 min
Lab File: BF141426.D
Acq: 04 Feb 2025 23:04

Tgt Ion:188 Resp: 294483
Ion Ratio Lower Upper
188 100
94 8.5 7.8 11.6
80 9.6 8.2 12.4





#71

Phenanthrene

Concen: 24.977 ng

RT: 11.339 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141426.D

Acq: 04 Feb 2025 23:04

Instrument :

BNA_F

ClientSampleId :

JPP-46.2-012925DL

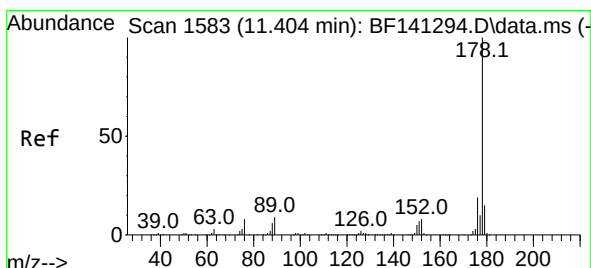
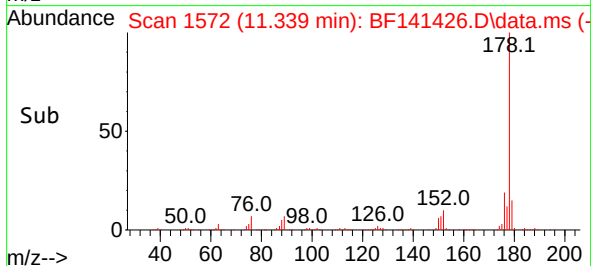
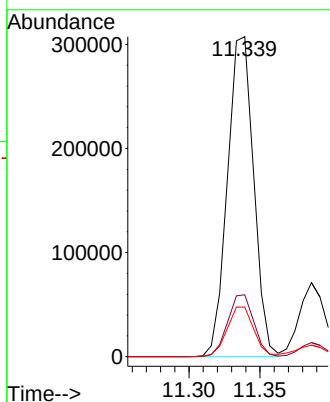
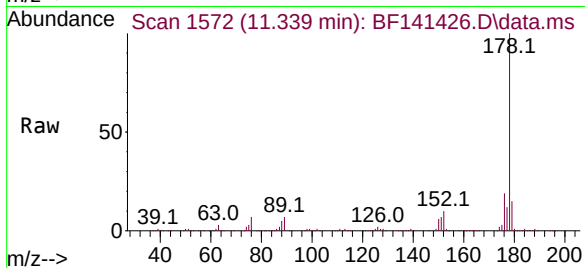
Tgt Ion:178 Resp: 395385

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

179 15.5 12.5 18.7



#72

Anthracene

Concen: 5.795 ng

RT: 11.386 min Scan# 1580

Delta R.T. -0.018 min

Lab File: BF141426.D

Acq: 04 Feb 2025 23:04

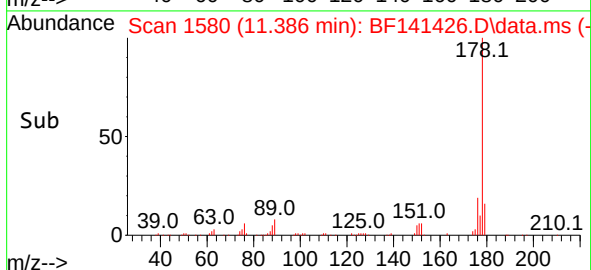
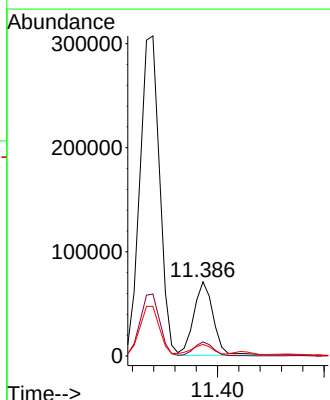
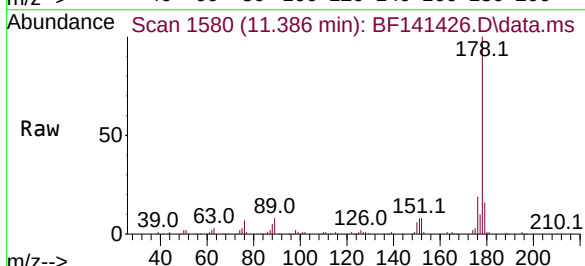
Tgt Ion:178 Resp: 89877

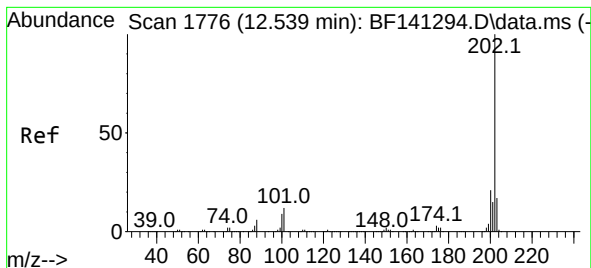
Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.6

179 15.6 12.3 18.5





#75

Fluoranthene

Concen: 48.317 ng

RT: 12.527 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141426.D

Acq: 04 Feb 2025 23:04

Instrument :

BNA_F

ClientSampleId :

JPP-46.2-012925DL

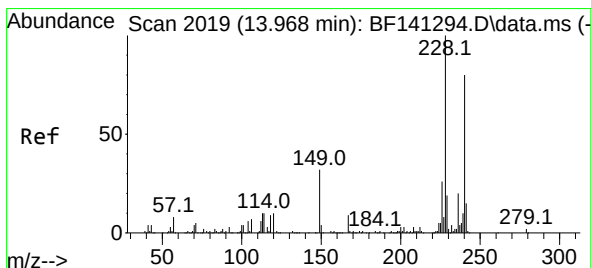
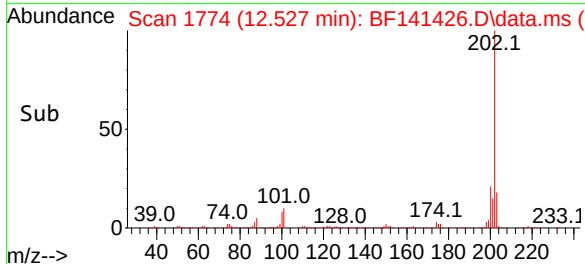
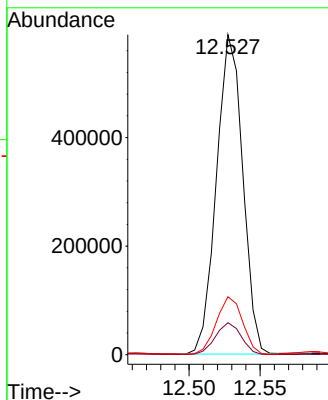
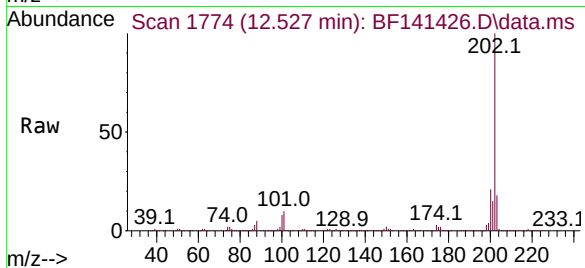
Tgt Ion:202 Resp: 755201

Ion Ratio Lower Upper

202 100

101 10.0 0.0 31.7

203 18.1 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 2017

Delta R.T. -0.018 min

Lab File: BF141426.D

Acq: 04 Feb 2025 23:04

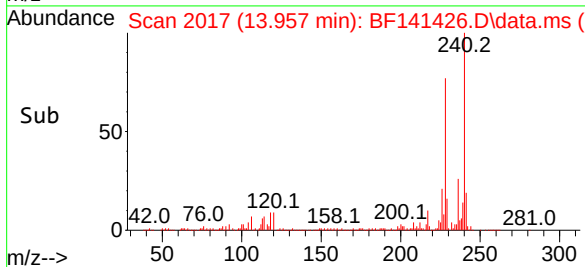
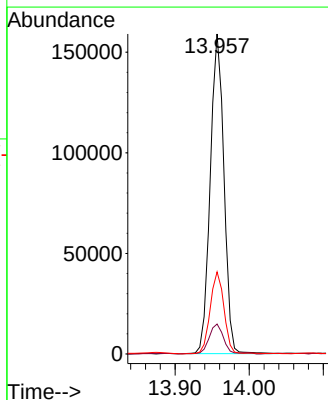
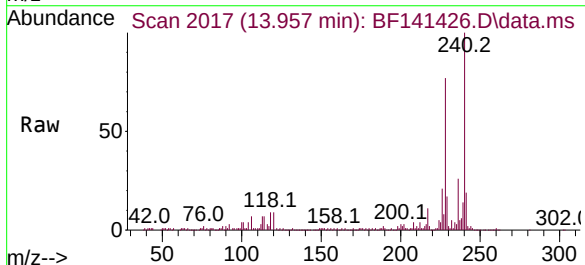
Tgt Ion:240 Resp: 204133

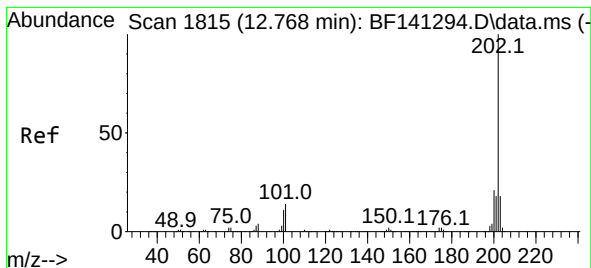
Ion Ratio Lower Upper

240 100

120 9.3 10.0 15.0#

236 25.7 19.7 29.5





#78

Pyrene

Concen: 37.827 ng

RT: 12.757 min Scan# 1813

Delta R.T. -0.012 min

Lab File: BF141426.D

Acq: 04 Feb 2025 23:04

Instrument :

BNA_F

ClientSampleId :

JPP-46.2-012925DL

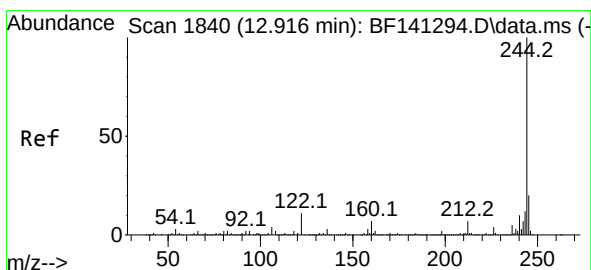
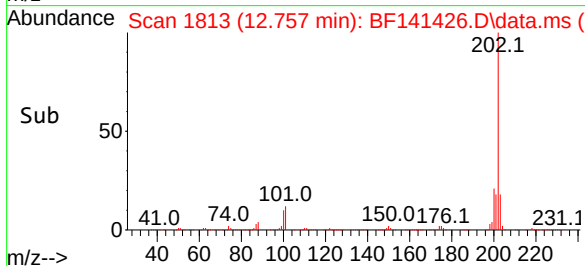
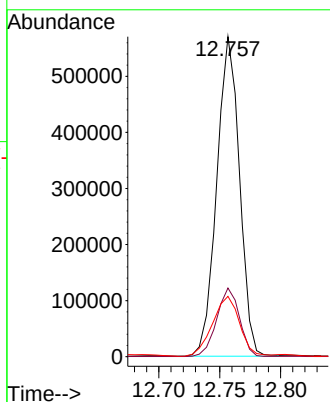
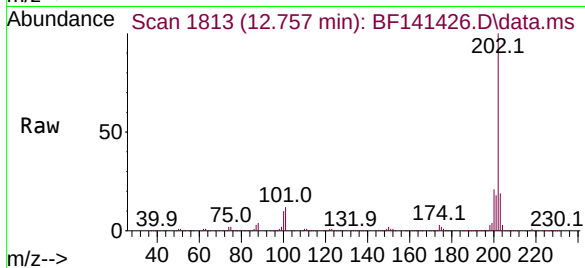
Tgt Ion:202 Resp: 741211

Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.4

203 18.8 14.3 21.5



#79

Terphenyl-d14

Concen: 10.326 ng

RT: 12.898 min Scan# 1837

Delta R.T. -0.018 min

Lab File: BF141426.D

Acq: 04 Feb 2025 23:04

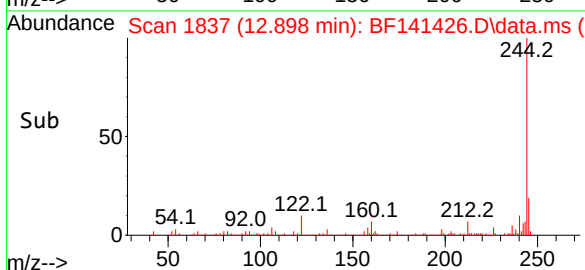
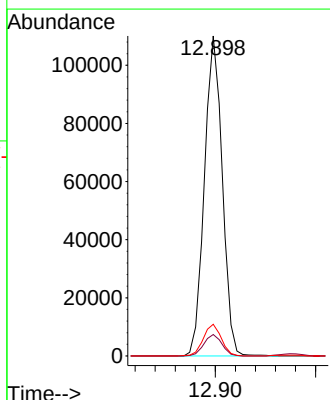
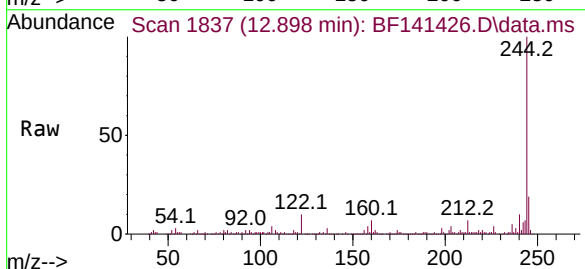
Tgt Ion:244 Resp: 136680

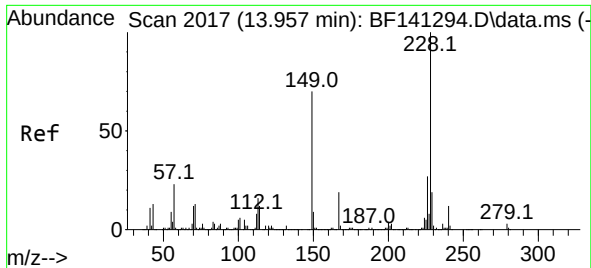
Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 9.9 8.8 13.2





#81

Benzo(a)anthracene

Concen: 22.266 ng

RT: 13.945 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF141426.D

Acq: 04 Feb 2025 23:04

Instrument :

BNA_F

ClientSampleId :

JPP-46.2-012925DL

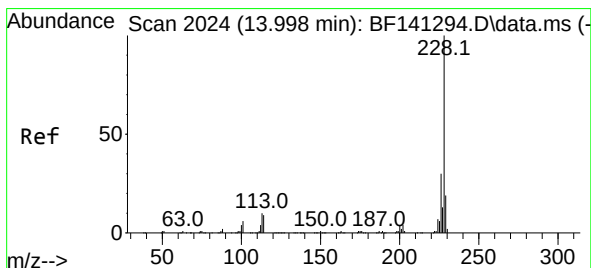
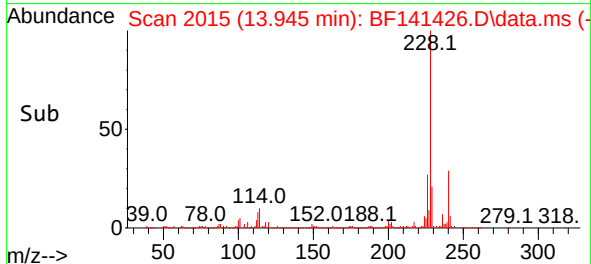
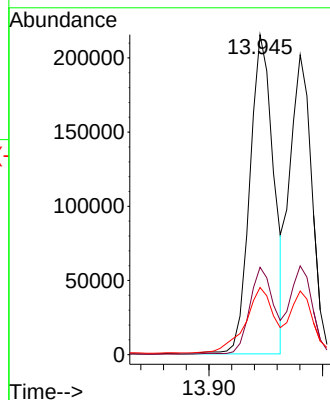
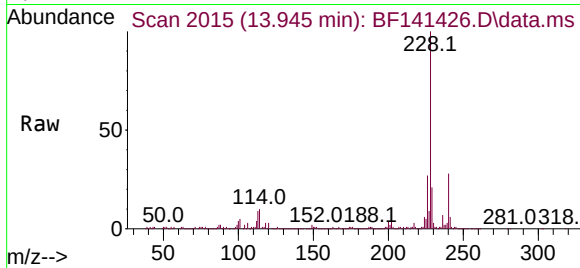
Tgt Ion:228 Resp: 313651

Ion Ratio Lower Upper

228 100

226 27.3 21.4 32.2

229 21.0 15.5 23.3



#83

Chrysene

Concen: 20.816 ng

RT: 13.980 min Scan# 2021

Delta R.T. -0.018 min

Lab File: BF141426.D

Acq: 04 Feb 2025 23:04

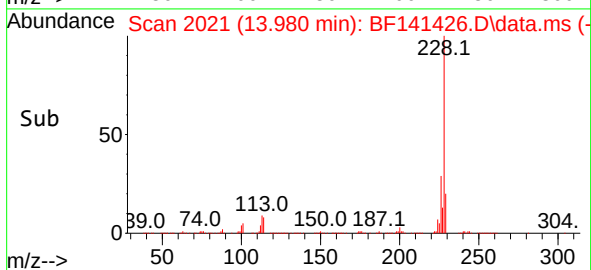
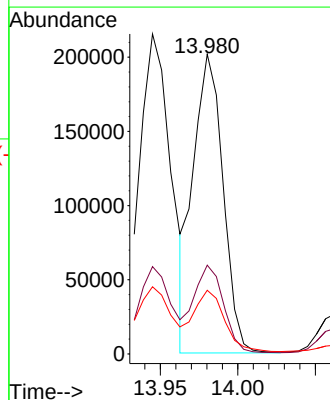
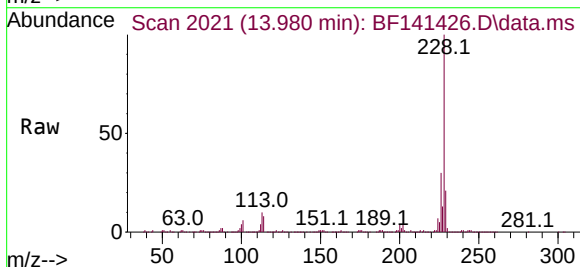
Tgt Ion:228 Resp: 268733

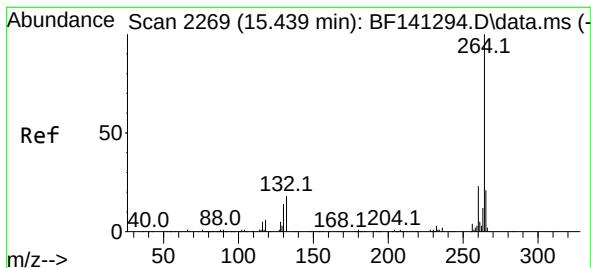
Ion Ratio Lower Upper

228 100

226 29.6 24.1 36.1

229 21.2 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF141426.D

Acq: 04 Feb 2025 23:04

Instrument :

BNA_F

ClientSampleId :

JPP-46.2-012925DL

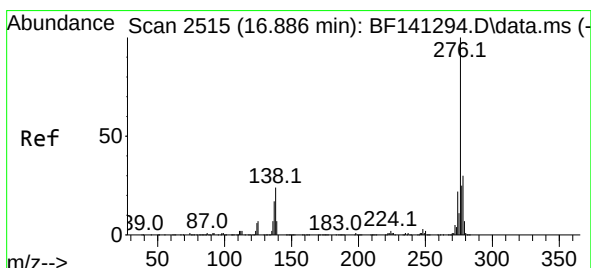
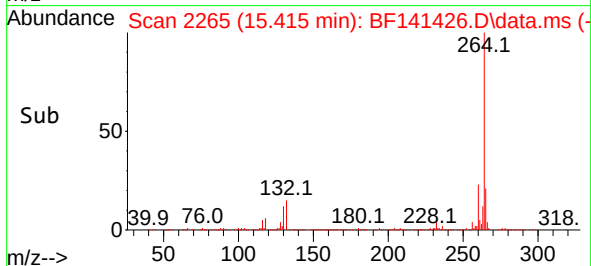
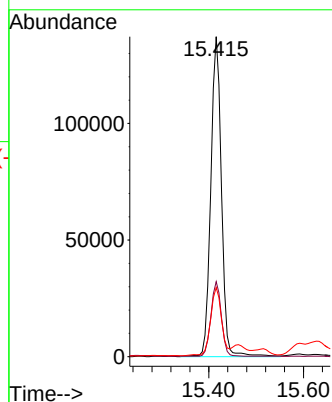
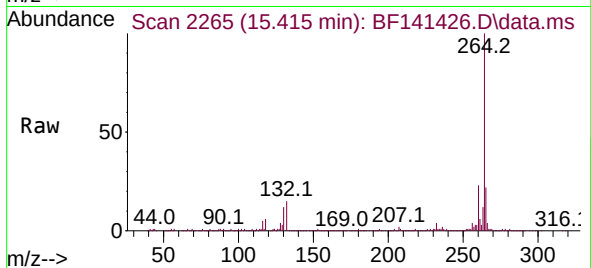
Tgt Ion:264 Resp: 214815

Ion Ratio Lower Upper

264 100

260 23.4 18.6 27.8

265 21.6 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 11.923 ng

RT: 16.851 min Scan# 2509

Delta R.T. -0.047 min

Lab File: BF141426.D

Acq: 04 Feb 2025 23:04

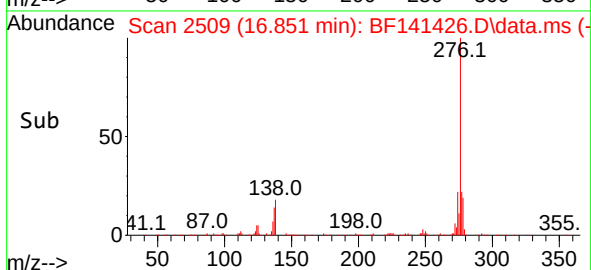
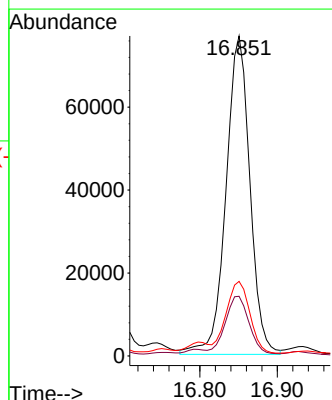
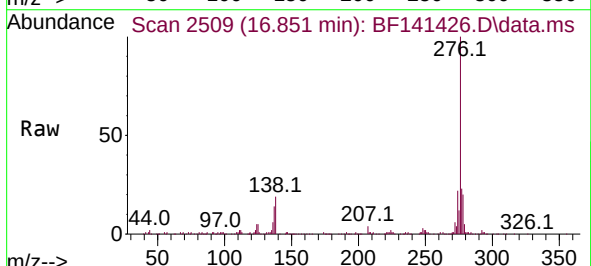
Tgt Ion:276 Resp: 165313

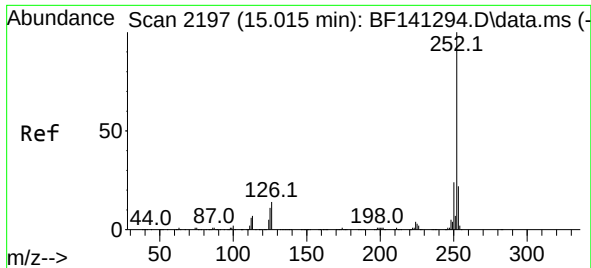
Ion Ratio Lower Upper

276 100

138 18.3 21.7 32.5#

277 23.0 20.3 30.5

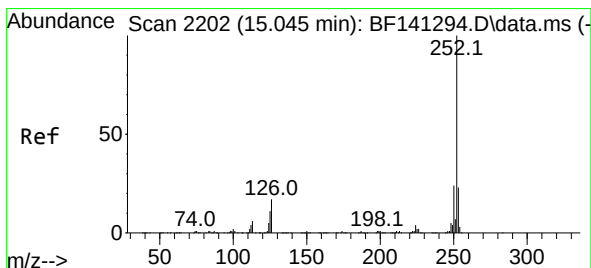
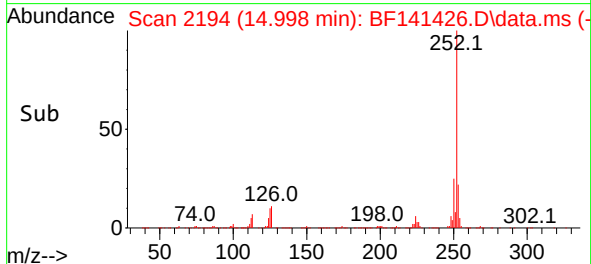
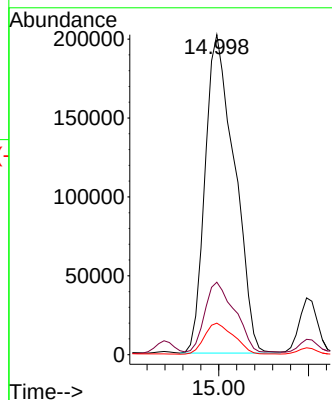
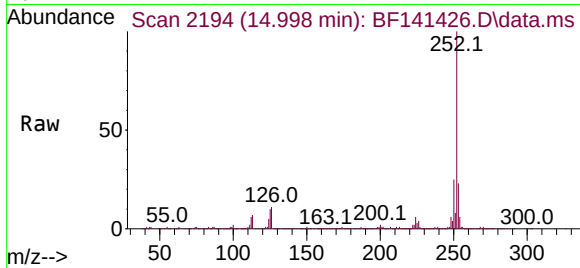




#88
Benzo(b)fluoranthene
Concen: 34.053 ng
RT: 14.998 min Scan# 2197
Delta R.T. -0.024 min
Lab File: BF141426.D
Acq: 04 Feb 2025 23:04

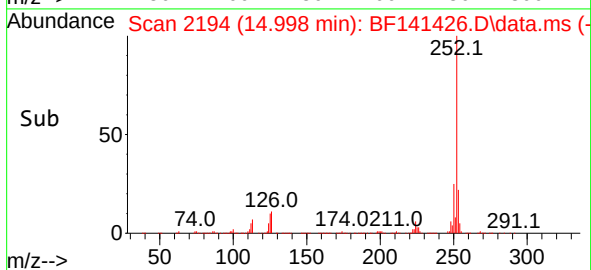
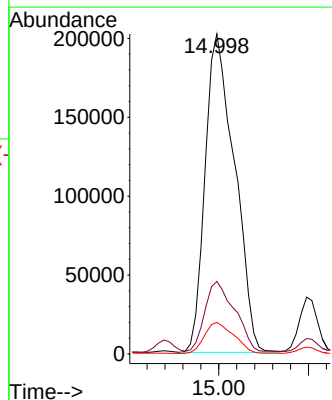
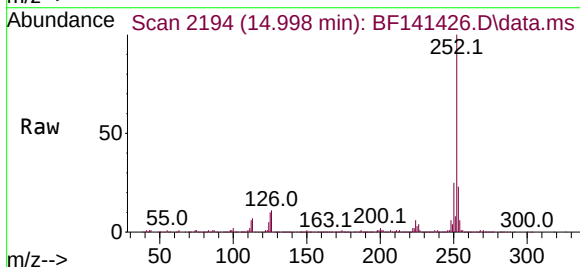
Instrument :
BNA_F
ClientSampleId :
JPP-46.2-012925DL

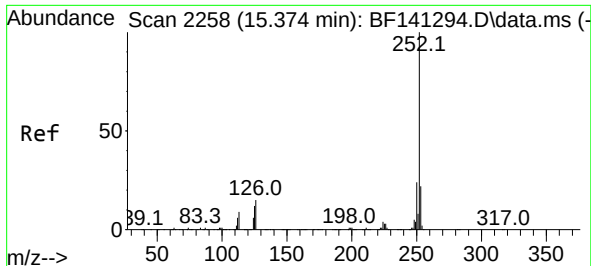
Tgt Ion:252 Resp: 460133
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.2
125 9.8 8.6 12.8



#89
Benzo(k)fluoranthene
Concen: 38.439 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.053 min
Lab File: BF141426.D
Acq: 04 Feb 2025 23:04

Tgt Ion:252 Resp: 460133
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 9.8 8.4 12.6

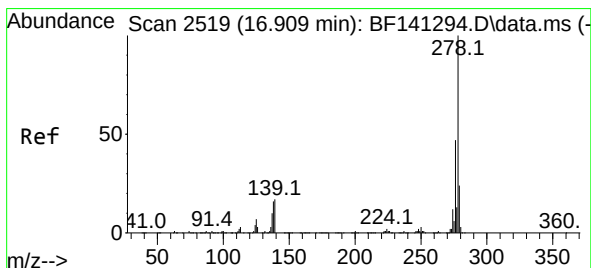
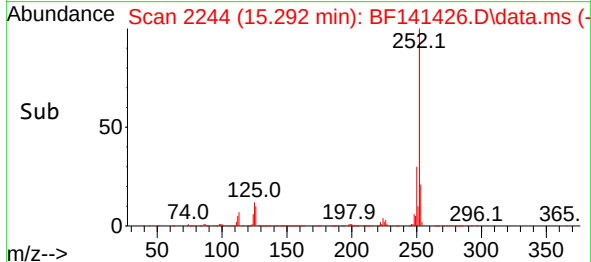
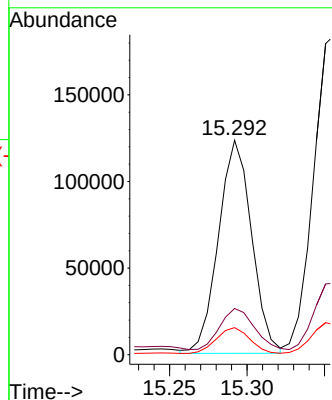
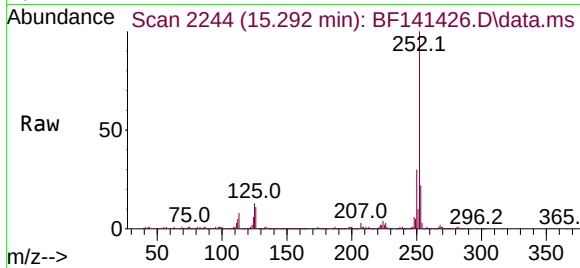




#90
Benzo(a)pyrene
Concen: 16.053 ng
RT: 15.292 min Scan# 21
Delta R.T. -0.088 min
Lab File: BF141426.D
Acq: 04 Feb 2025 23:04

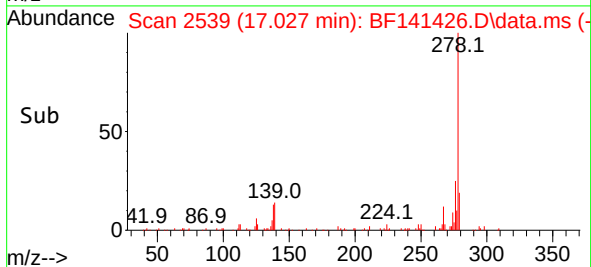
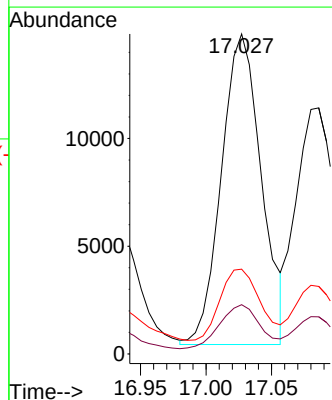
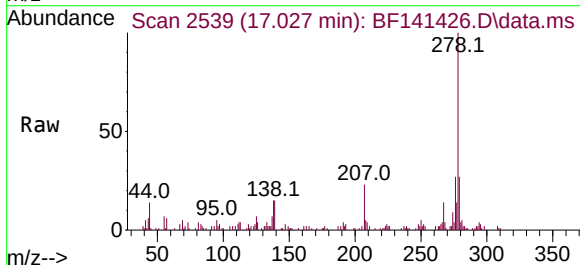
Instrument :
BNA_F
ClientSampleId :
JPP-46.2-012925DL

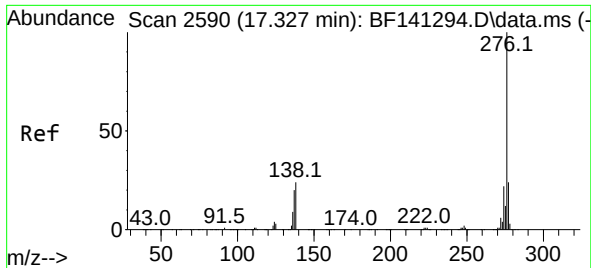
Tgt Ion:252 Resp: 183298
Ion Ratio Lower Upper
252 100
253 21.6 17.2 25.8
125 12.6 9.4 14.2



#91
Dibenzo(a,h)anthracene
Concen: 2.742 ng
RT: 17.027 min Scan# 2539
Delta R.T. 0.106 min
Lab File: BF141426.D
Acq: 04 Feb 2025 23:04

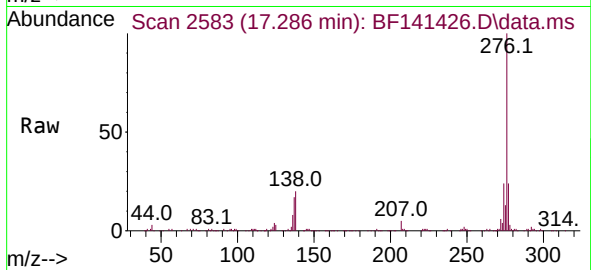
Tgt Ion:278 Resp: 30587
Ion Ratio Lower Upper
278 100
139 15.4 13.9 20.9
279 26.5 18.8 28.2





#92
 Benzo(g,h,i)perylene
 Concen: 13.310 ng
 RT: 17.286 min Scan# 21
 Delta R.T. -0.059 min
 Lab File: BF141426.D
 Acq: 04 Feb 2025 23:04

Instrument :
 BNA_F
 ClientSampleId :
 JPP-46.2-012925DL



Tgt Ion:276 Resp: 154375
 Ion Ratio Lower Upper
 276 100
 277 23.9 19.2 28.8
 138 19.7 19.0 28.4

