

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141460.D
 Acq On : 05 Feb 2025 21:05
 Operator : RC/JU
 Sample : Q1207-19
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-20.2-012725

Quant Time: Feb 06 01:48:24 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)

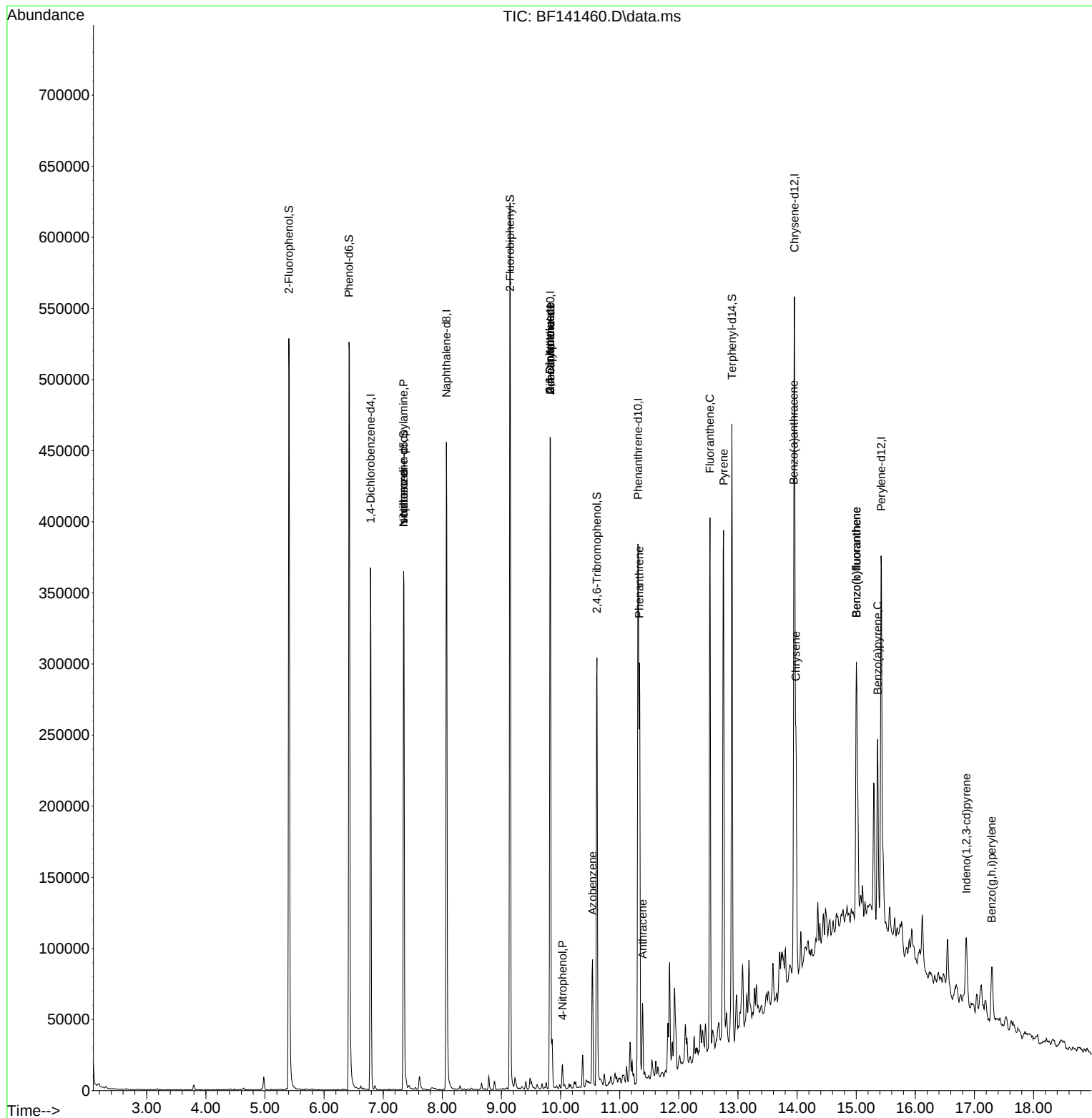
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	72530	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	288100	20.000	ng	#-0.02
39) Acenaphthene-d10	9.828	164	141483	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	194970	20.000	ng	-0.02
76) Chrysene-d12	13.957	240	168850	20.000	ng	-0.02
86) Perylene-d12	15.421	264	153896	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	201167	42.580	ng	0.00
7) Phenol-d6	6.422	99	243674	40.544	ng	-0.02
23) Nitrobenzene-d5	7.345	82	159822	29.244	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	46229	35.641	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	268346	29.193	ng	-0.02
79) Terphenyl-d14	12.898	244	197854	18.071	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	20935	5.862	ng	# 79
25) Isophorone	7.345	82	157544	16.677	ng	# 64
50) Dimethylphthalate	9.828	163	21784	2.280	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	18286	8.242	ng	# 24
56) 4-Nitrophenol	10.033	139	3290	2.069	ng	# 6
57) 2,4-Dinitrotoluene	9.822	165	18286	6.366	ng	# 23
63) Azobenzene	10.539	77	21728	2.343	ng	# 1
71) Phenanthrene	11.333	178	151900	14.494	ng	99
72) Anthracene	11.386	178	33140	3.227	ng	99
75) Fluoranthene	12.527	202	209398	20.235	ng	98
78) Pyrene	12.757	202	212134	13.088	ng	99
81) Benzo(a)anthracene	13.945	228	105876	9.087	ng	98
83) Chrysene	13.980	228	90973	8.519	ng	97
87) Indeno(1,2,3-cd)pyrene	16.862	276	32703	3.292	ng	95
88) Benzo(b)fluoranthene	15.004	252	143691	14.843	ng	98
89) Benzo(k)fluoranthene	15.004	252	143691	16.756	ng	99
90) Benzo(a)pyrene	15.362	252	79098	9.669	ng	96
92) Benzo(g,h,i)perylene	17.292	276	33591	4.043	ng	96

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

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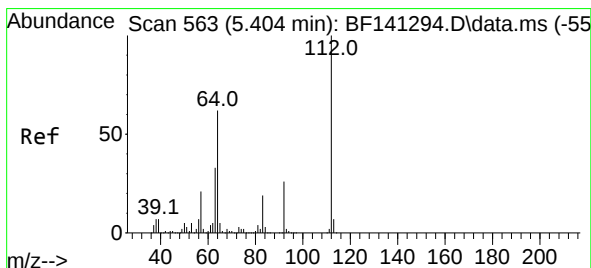
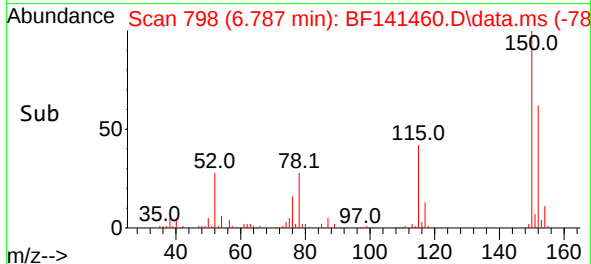
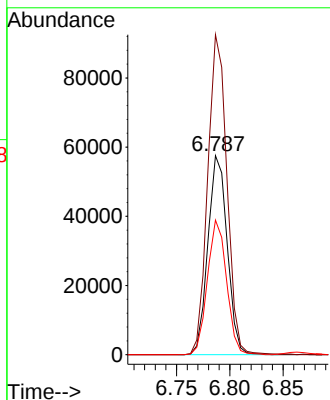
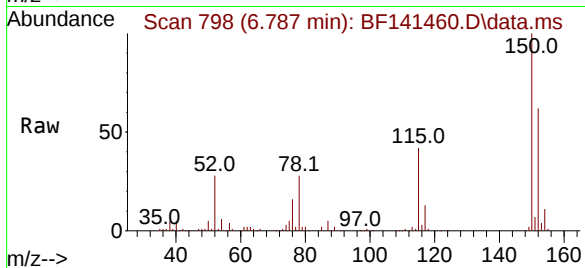




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.017 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

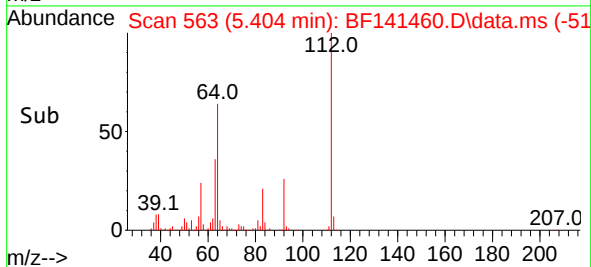
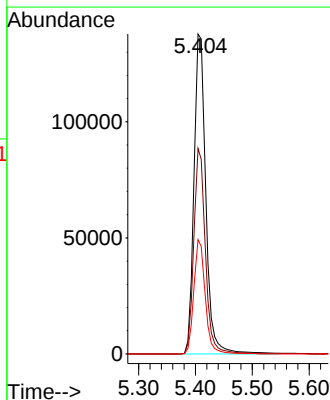
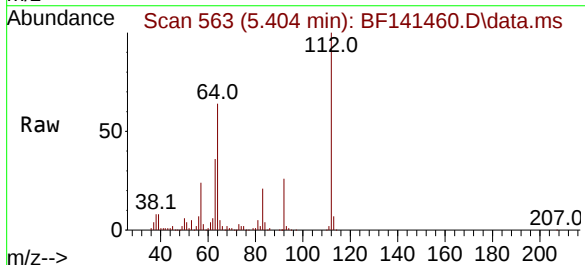
Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725

Tgt Ion:152 Resp: 72530
Ion Ratio Lower Upper
152 100
150 160.8 125.9 188.9
115 67.6 49.7 74.5



#5
2-Fluorophenol
Concen: 42.580 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion:112 Resp: 201167
Ion Ratio Lower Upper
112 100
64 64.2 49.8 74.8
63 35.7 26.1 39.1

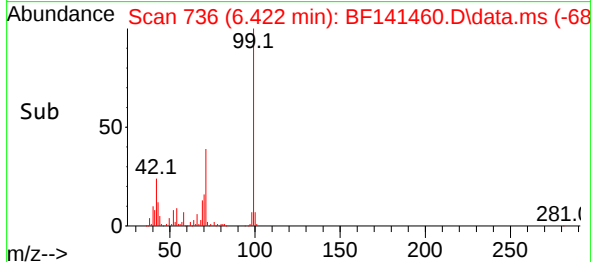
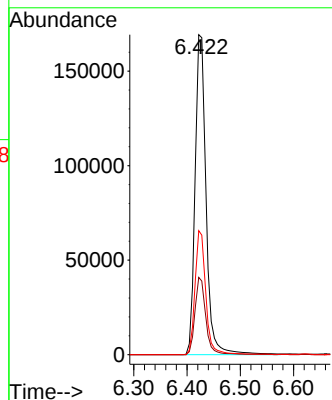
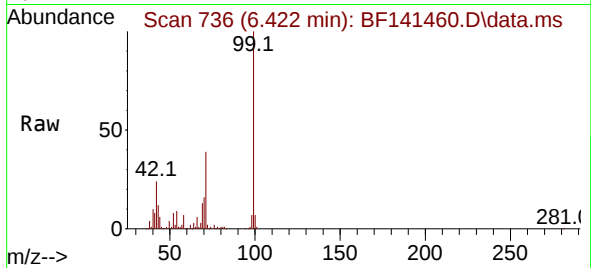




#7
Phenol-d6
Concen: 40.544 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

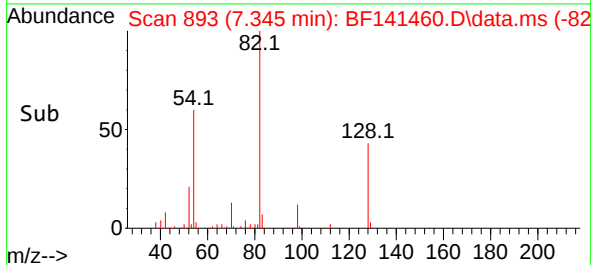
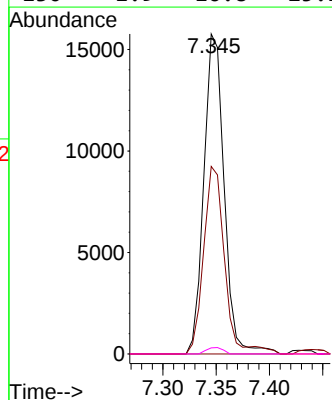
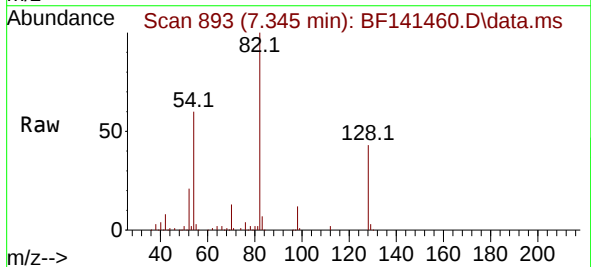
Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725

Tgt Ion: 99 Resp: 243674
Ion Ratio Lower Upper
99 100
42 24.1 17.1 25.7
71 38.7 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 5.862 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.117 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion: 70 Resp: 20935
Ion Ratio Lower Upper
70 100
42 58.6 56.8 85.2
101 0.0 7.7 11.5#
130 1.9 16.8 25.2#



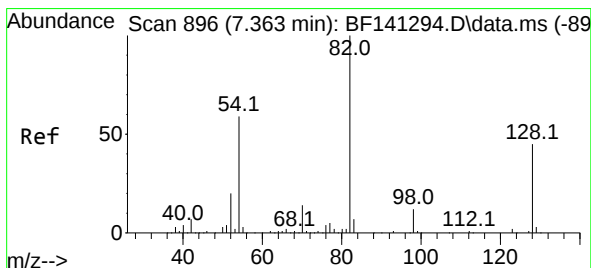
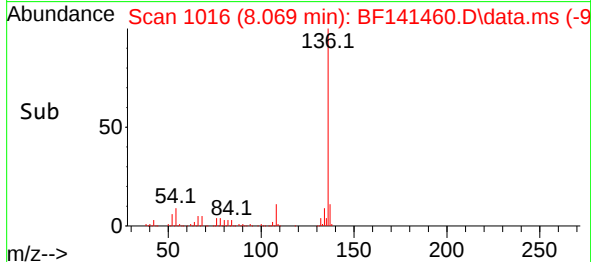
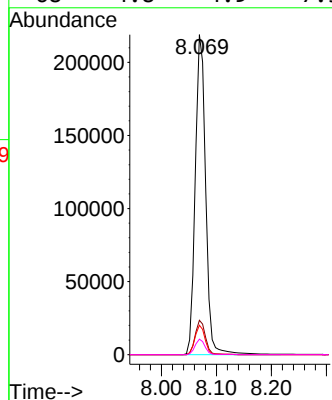
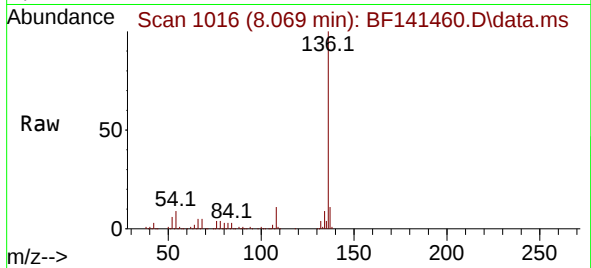


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725

Tgt Ion:136 Resp: 288100

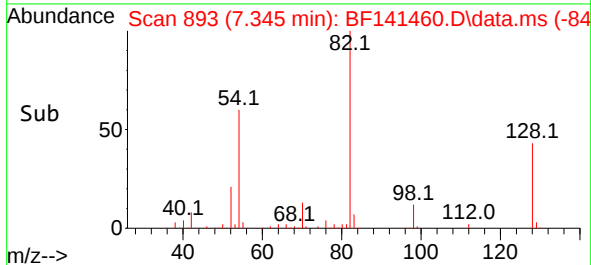
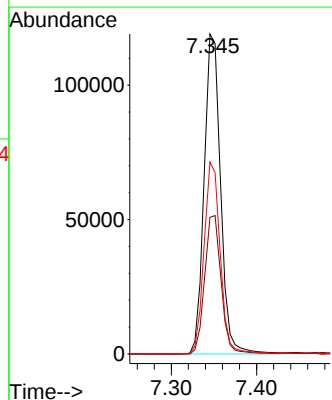
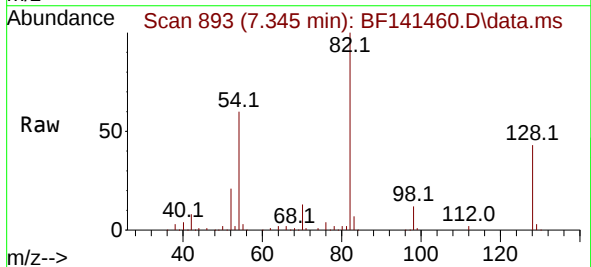
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.2	7.8	11.8
68	4.8	4.9	7.3

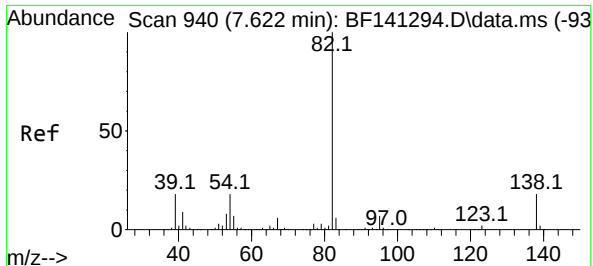


#23
Nitrobenzene-d5
Concen: 29.244 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.024 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion: 82 Resp: 159822

Ion	Ratio	Lower	Upper
82	100		
128	42.7	35.7	53.5
54	60.0	47.1	70.7

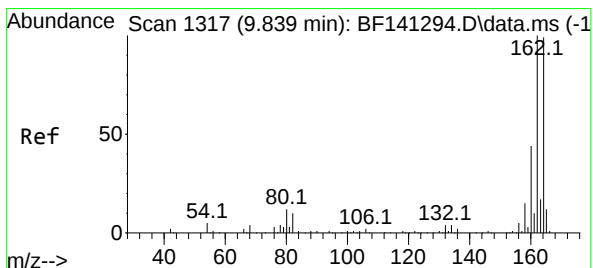
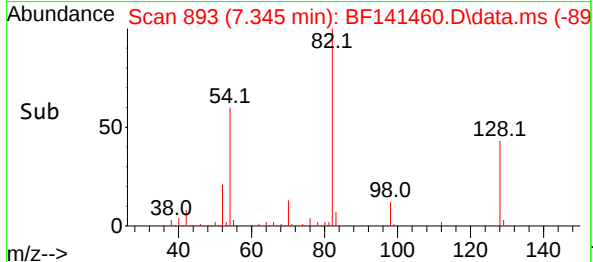
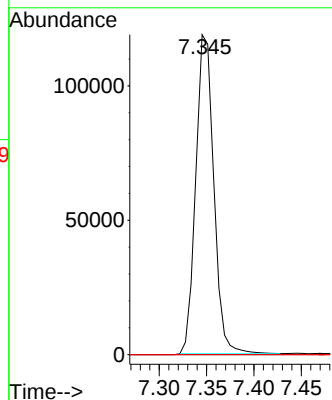
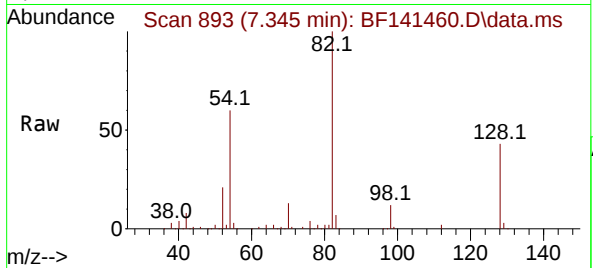




#25
Isophorone
Concen: 16.677 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.283 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

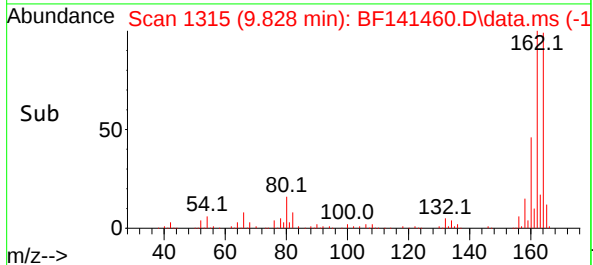
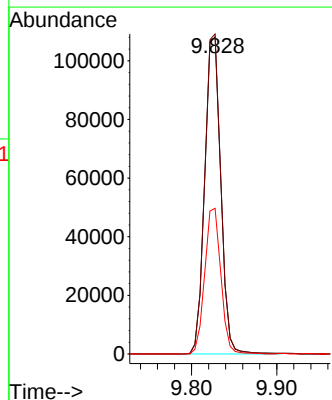
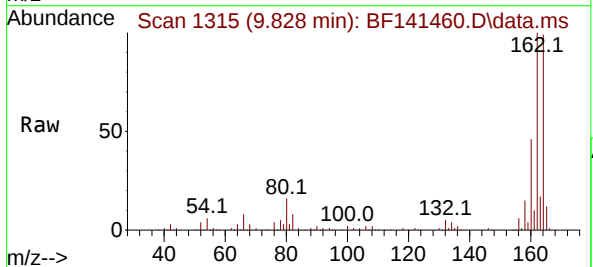
Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725

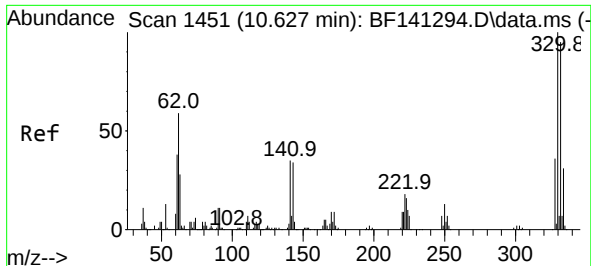
Tgt Ion: 82 Resp: 157544
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion:164 Resp: 141483
Ion Ratio Lower Upper
164 100
162 100.9 80.6 121.0
160 45.9 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 35.641 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.018 min

Lab File: BF141460.D

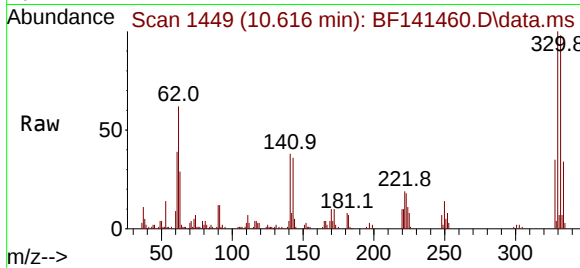
Acq: 05 Feb 2025 21:05

Instrument :

BNA_F

ClientSampleId :

JPP-20.2-012725



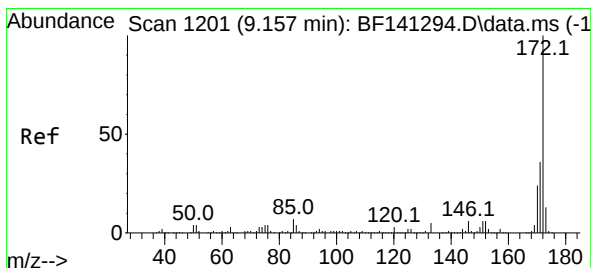
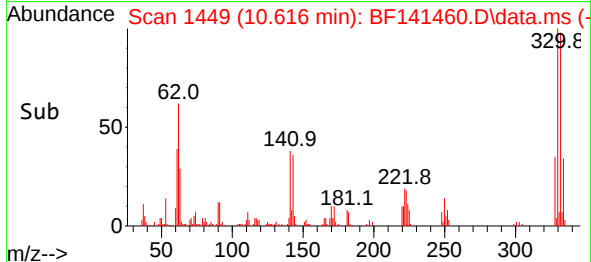
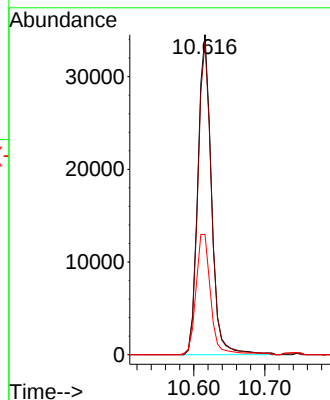
Tgt Ion:330 Resp: 46229

Ion Ratio Lower Upper

330 100

332 97.1 76.1 114.1

141 40.1 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 29.193 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.018 min

Lab File: BF141460.D

Acq: 05 Feb 2025 21:05

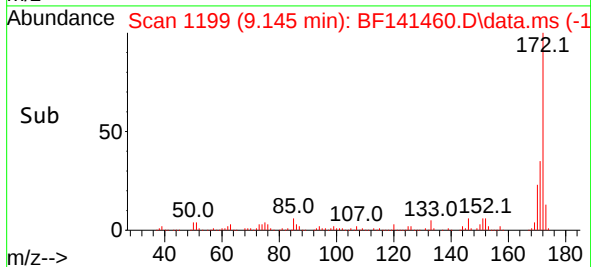
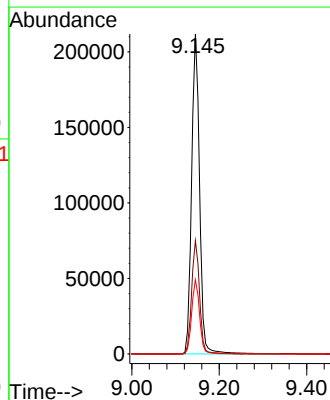
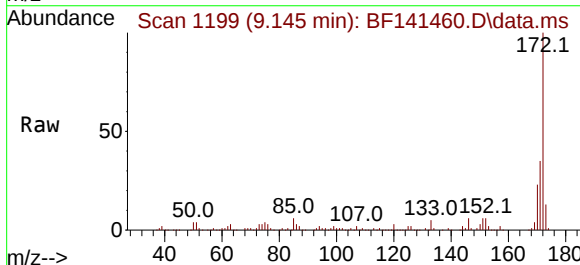
Tgt Ion:172 Resp: 268346

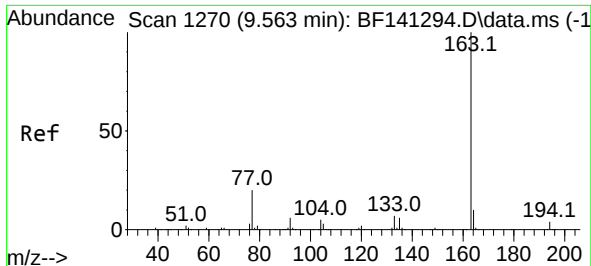
Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 23.2 19.0 28.6

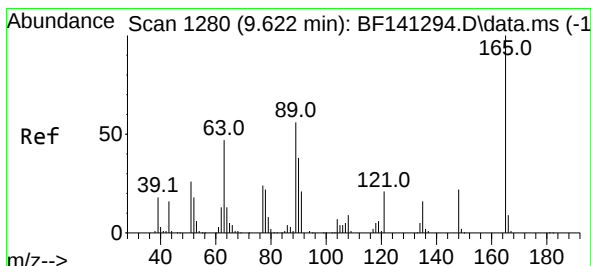
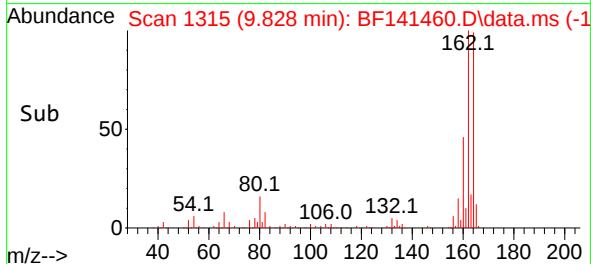
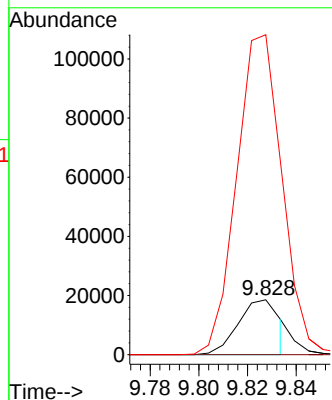
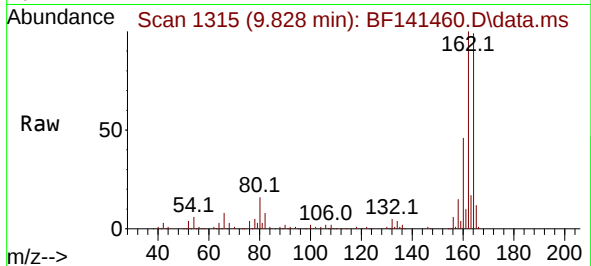




#50
Dimethylphthalate
Concen: 2.280 ng
RT: 9.828 min Scan# 11
Delta R.T. 0.259 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

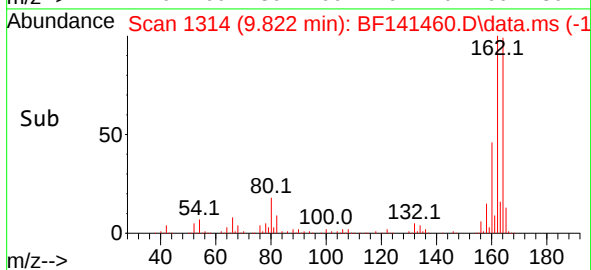
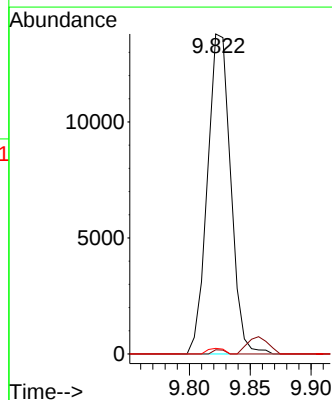
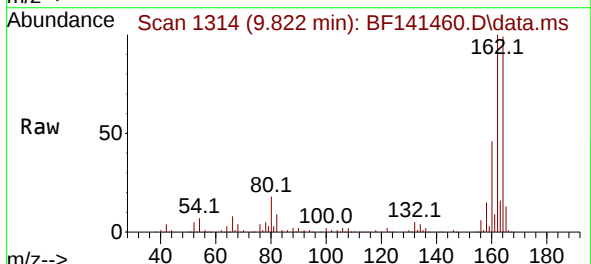
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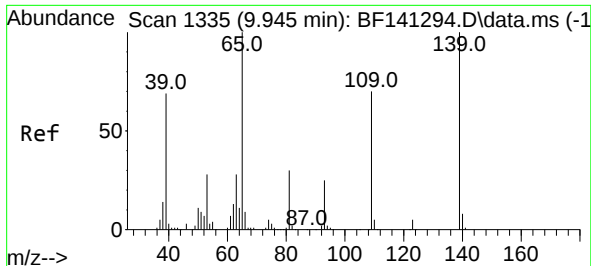
Tgt Ion:163 Resp: 21784
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 583.7 8.0 12.0#



#51
2,6-Dinitrotoluene
Concen: 8.242 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion:165 Resp: 18286
Ion Ratio Lower Upper
165 100
63 1.3 48.1 72.1#
89 1.7 44.9 67.3#

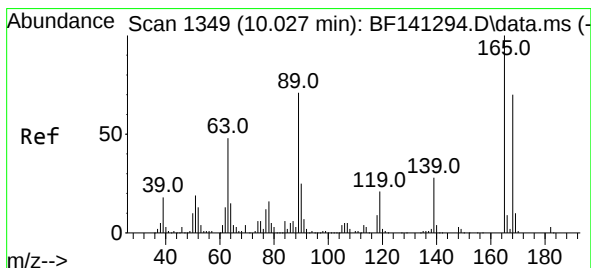
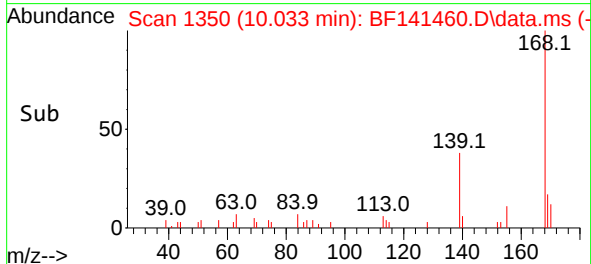
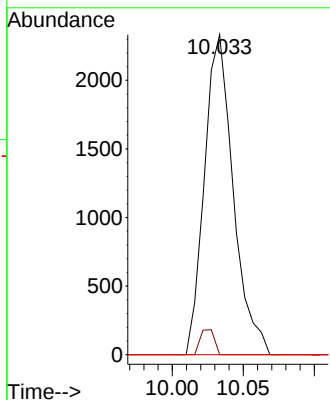
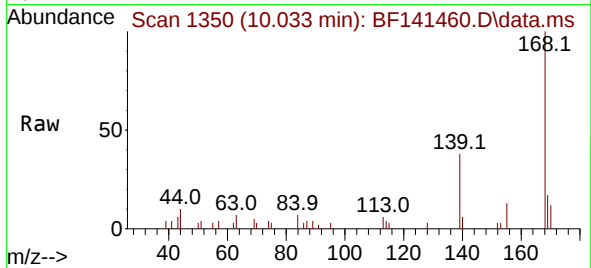




#56
4-Nitrophenol
Concen: 2.069 ng
RT: 10.033 min Scan# 11
Delta R.T. 0.076 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

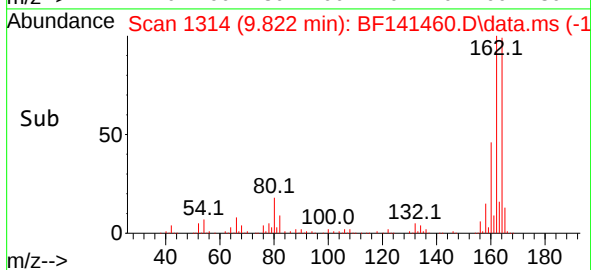
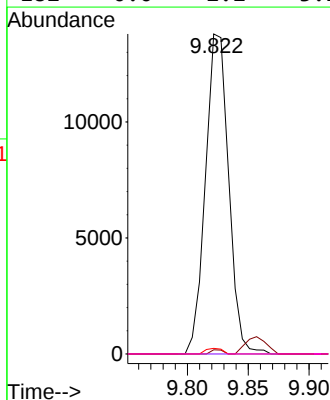
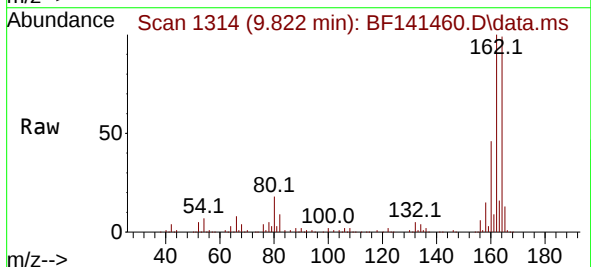
Instrument :
BNA_F
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JPP-20.2-012725

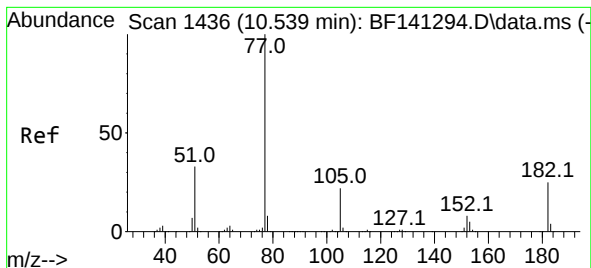
Tgt Ion:139 Resp: 3290
Ion Ratio Lower Upper
139 100
109 0.0 50.2 90.2#
65 0.0 80.6 120.6#



#57
2,4-Dinitrotoluene
Concen: 6.366 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.212 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion:165 Resp: 18286
Ion Ratio Lower Upper
165 100
63 1.3 39.2 58.8#
89 1.7 56.9 85.3#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 2.343 ng

RT: 10.539 min Scan# 1436

Delta R.T. -0.006 min

Lab File: BF141460.D

Acq: 05 Feb 2025 21:05

Instrument :

BNA_F

ClientSampleId :

JPP-20.2-012725

Tgt Ion: 77 Resp: 21728

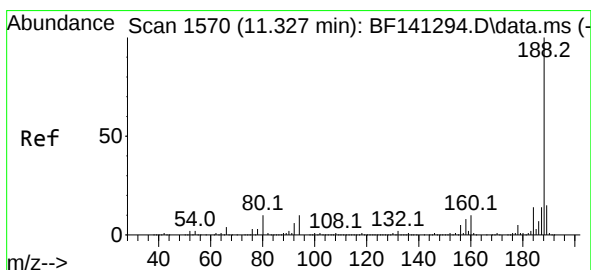
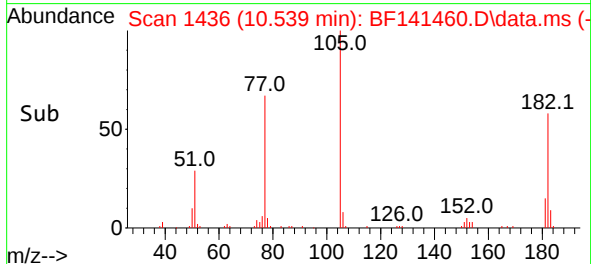
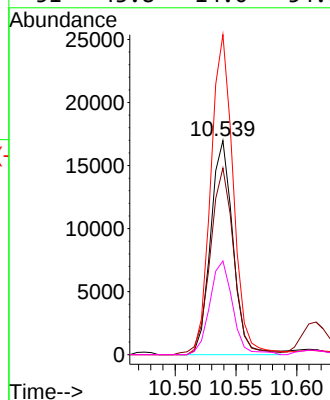
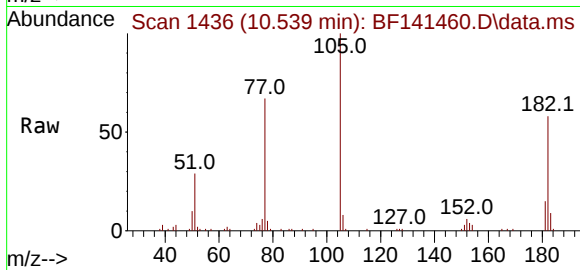
Ion Ratio Lower Upper

77 100

182 87.2 5.1 45.1#

105 149.5 1.8 41.8#

51 43.8 14.0 54.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1567

Delta R.T. -0.018 min

Lab File: BF141460.D

Acq: 05 Feb 2025 21:05

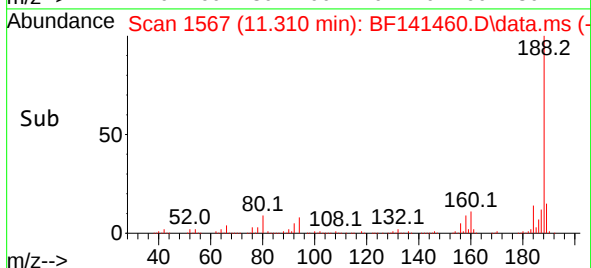
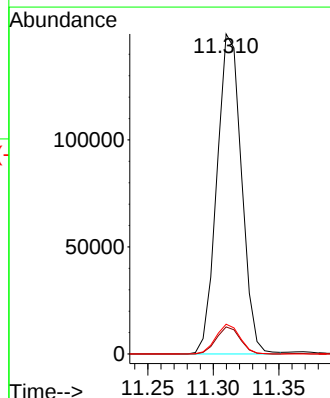
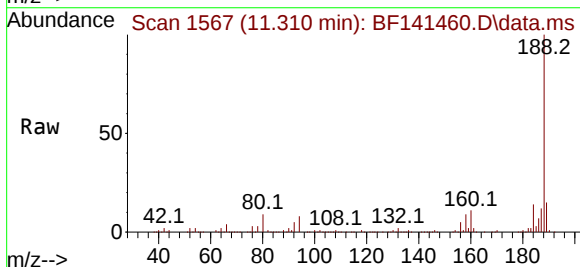
Tgt Ion:188 Resp: 194970

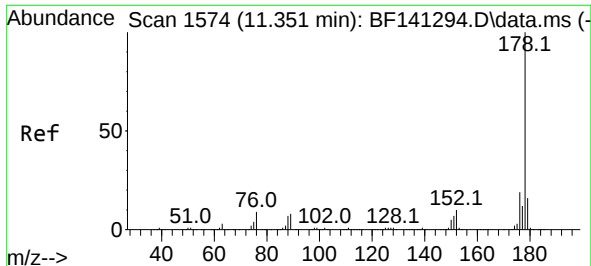
Ion Ratio Lower Upper

188 100

94 8.5 7.8 11.6

80 9.3 8.2 12.4

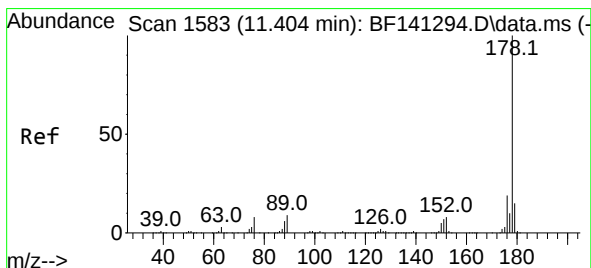
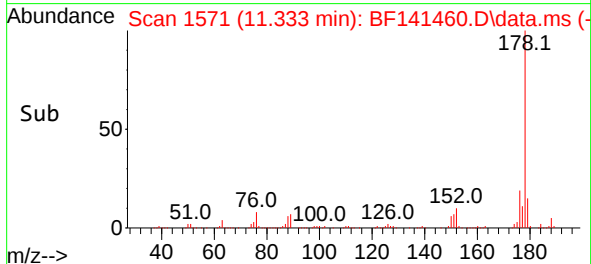
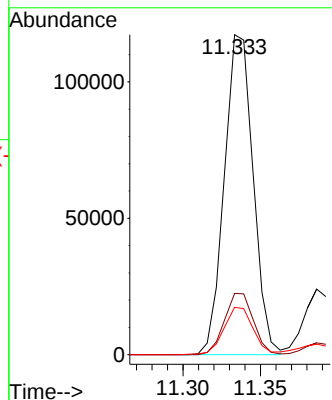
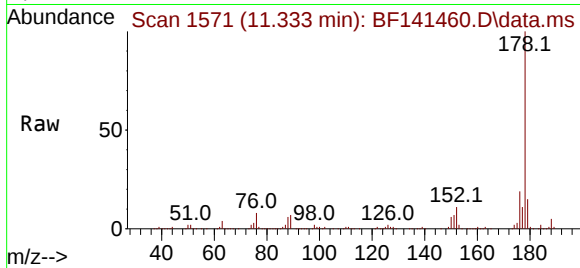




#71
Phenanthrene
Concen: 14.494 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.018 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

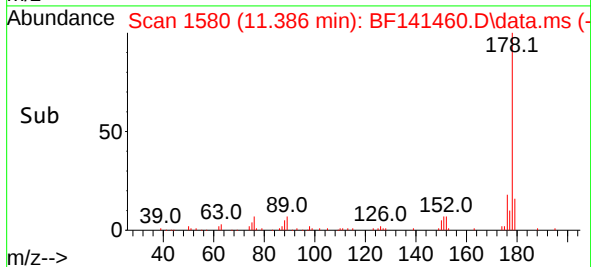
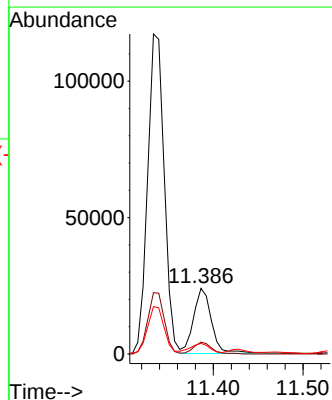
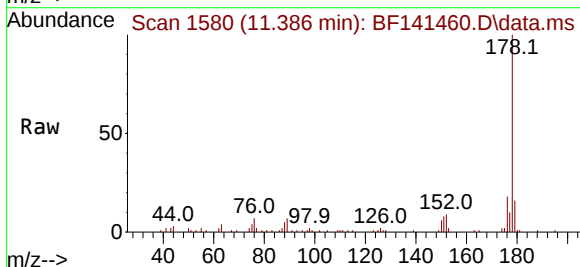
Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725

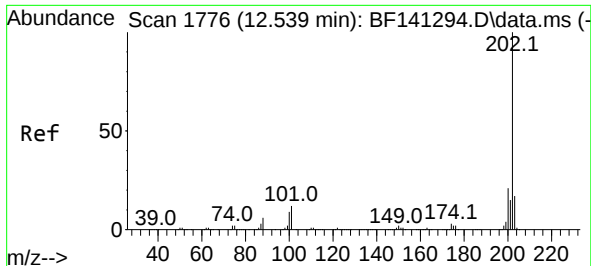
Tgt Ion:178 Resp: 151900
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 14.8 12.5 18.7



#72
Anthracene
Concen: 3.227 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.018 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion:178 Resp: 33140
Ion Ratio Lower Upper
178 100
176 18.2 15.0 22.6
179 16.0 12.3 18.5

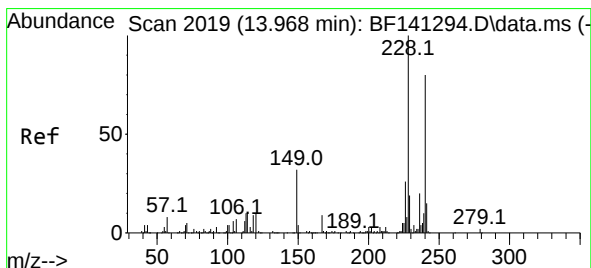
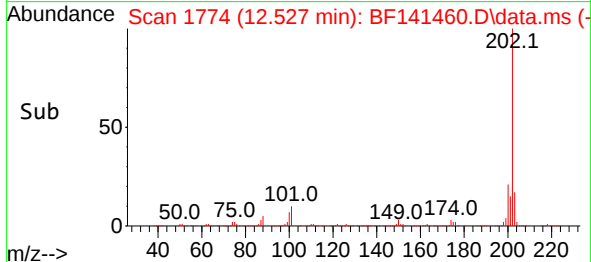
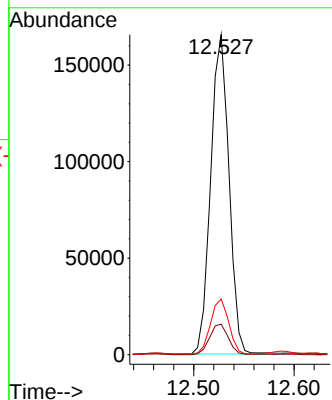
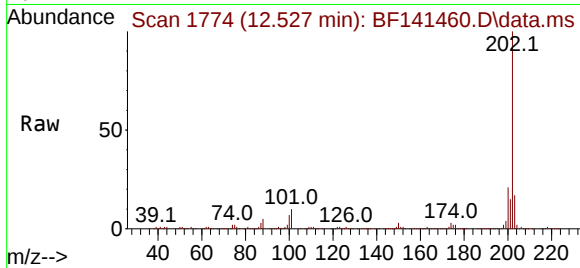




#75
Fluoranthene
Concen: 20.235 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

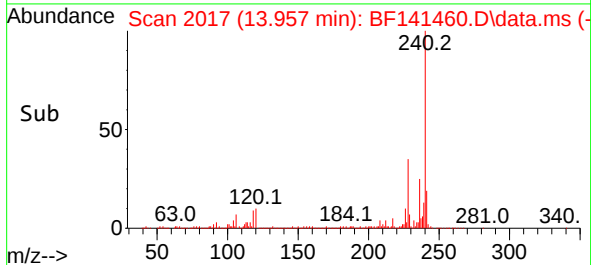
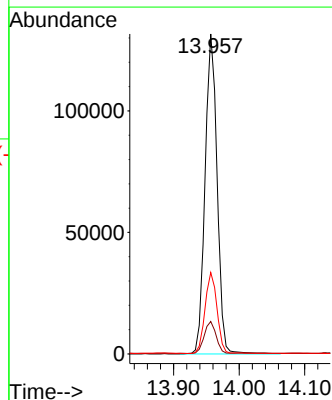
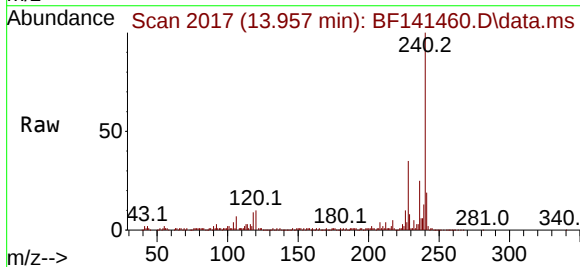
Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725

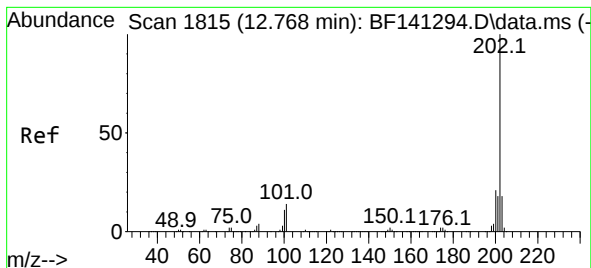
Tgt Ion:202 Resp: 209398
Ion Ratio Lower Upper
202 100
101 9.6 0.0 31.7
203 17.4 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion:240 Resp: 168850
Ion Ratio Lower Upper
240 100
120 10.1 10.0 15.0
236 25.5 19.7 29.5





#78

Pyrene

Concen: 13.088 ng

RT: 12.757 min Scan# 1813

Delta R.T. -0.012 min

Lab File: BF141460.D

Acq: 05 Feb 2025 21:05

Instrument :

BNA_F

ClientSampleId :

JPP-20.2-012725

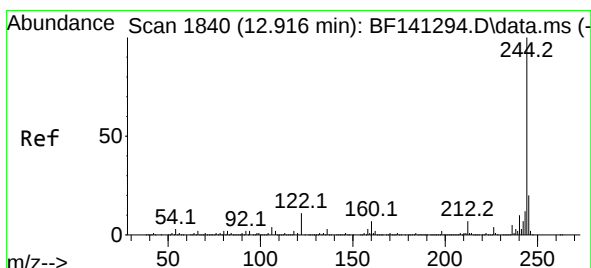
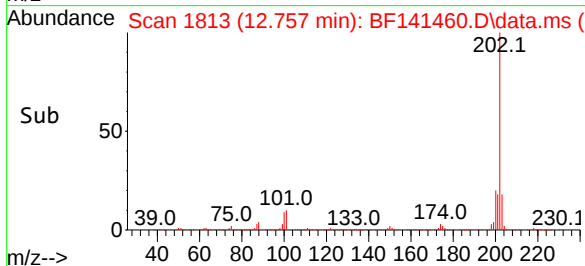
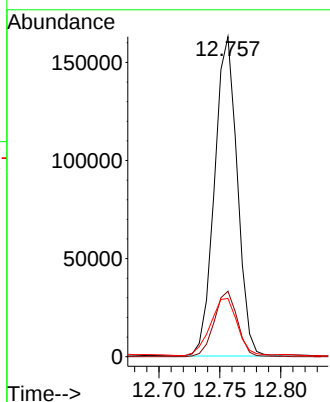
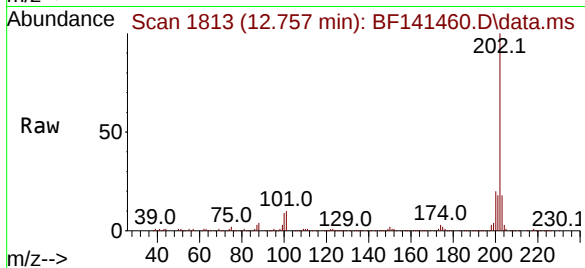
Tgt Ion:202 Resp: 212134

Ion Ratio Lower Upper

202 100

200 20.5 17.0 25.4

203 18.2 14.3 21.5



#79

Terphenyl-d14

Concen: 18.071 ng

RT: 12.898 min Scan# 1837

Delta R.T. -0.018 min

Lab File: BF141460.D

Acq: 05 Feb 2025 21:05

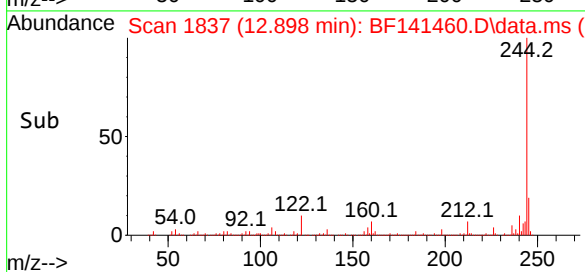
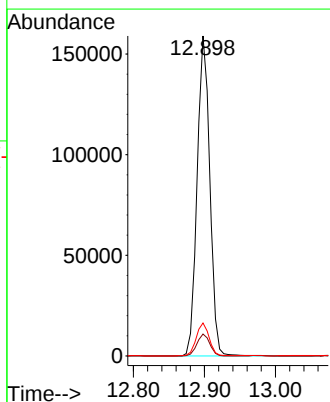
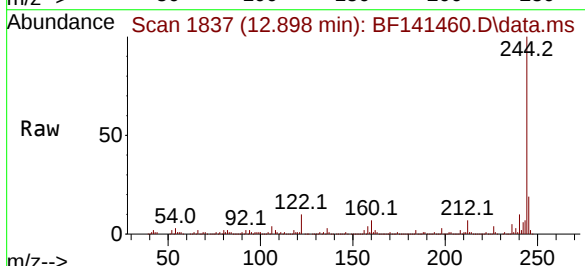
Tgt Ion:244 Resp: 197854

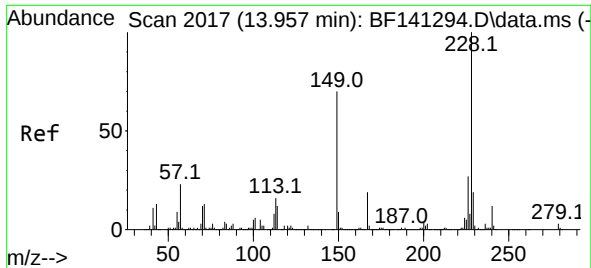
Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

122 10.3 8.8 13.2

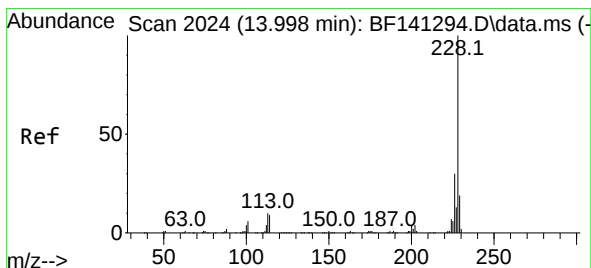
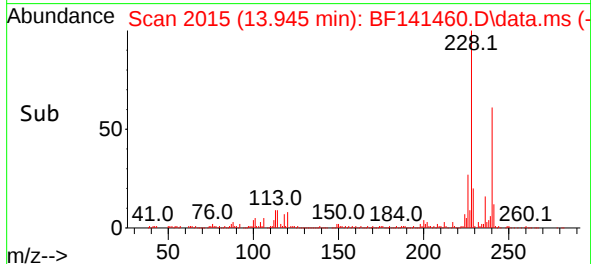
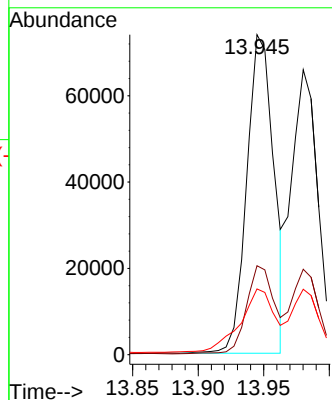
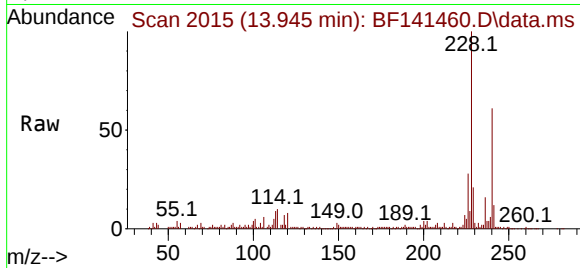




#81
Benzo(a)anthracene
Concen: 9.087 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.018 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

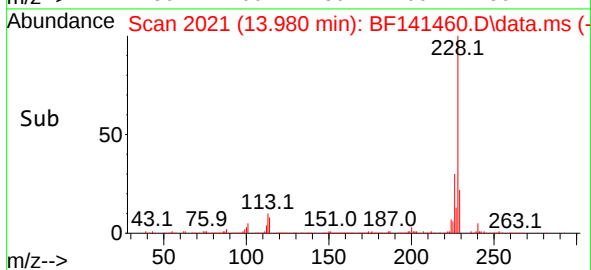
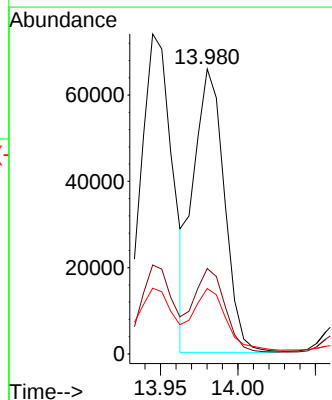
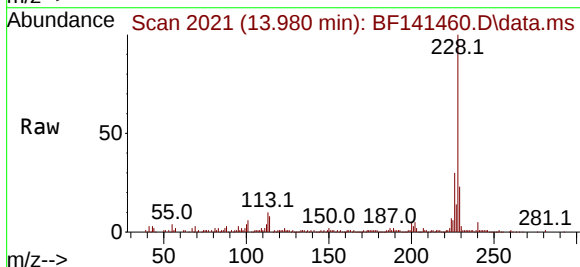
Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725

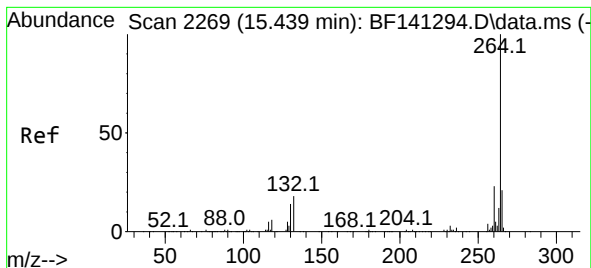
Tgt Ion:228 Resp: 105876
Ion Ratio Lower Upper
228 100
226 27.8 21.4 32.2
229 20.6 15.5 23.3



#83
Chrysene
Concen: 8.519 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.018 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion:228 Resp: 90973
Ion Ratio Lower Upper
228 100
226 30.0 24.1 36.1
229 23.0 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141460.D

Acq: 05 Feb 2025 21:05

Instrument :

BNA_F

ClientSampleId :

JPP-20.2-012725

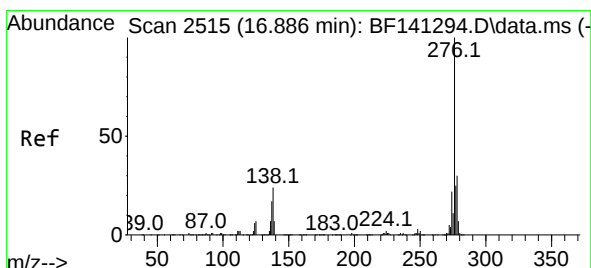
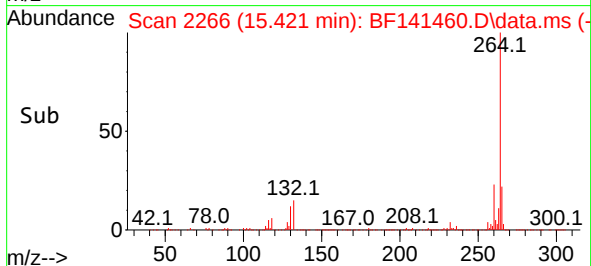
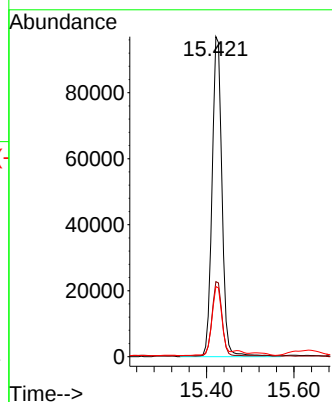
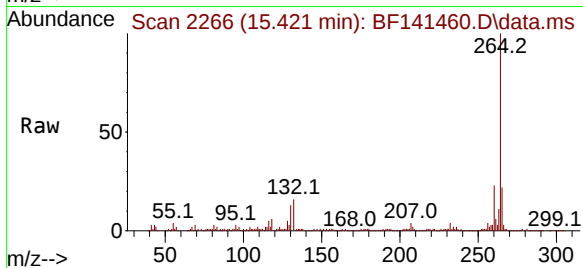
Tgt Ion:264 Resp: 153896

Ion Ratio Lower Upper

264 100

260 23.5 18.6 27.8

265 21.9 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.292 ng

RT: 16.862 min Scan# 2511

Delta R.T. -0.035 min

Lab File: BF141460.D

Acq: 05 Feb 2025 21:05

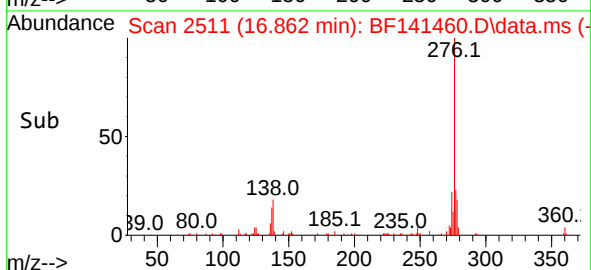
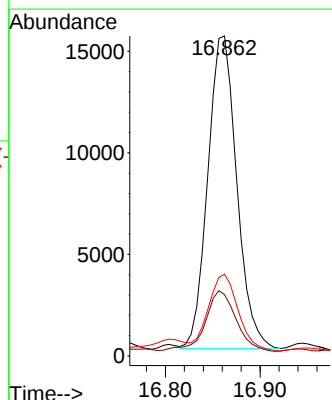
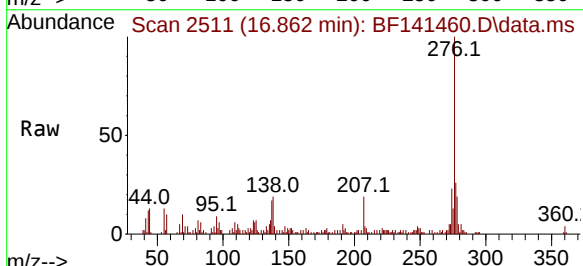
Tgt Ion:276 Resp: 32703

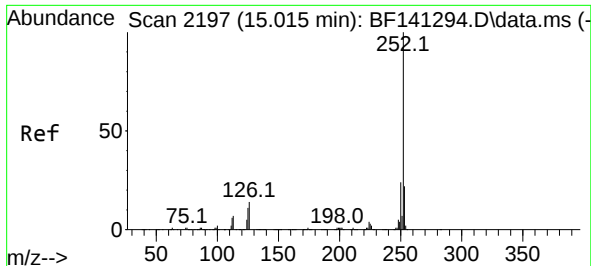
Ion Ratio Lower Upper

276 100

138 22.0 21.7 32.5

277 25.6 20.3 30.5

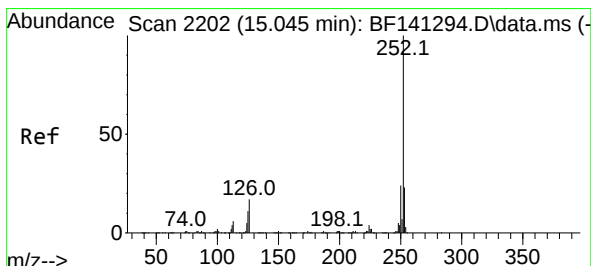
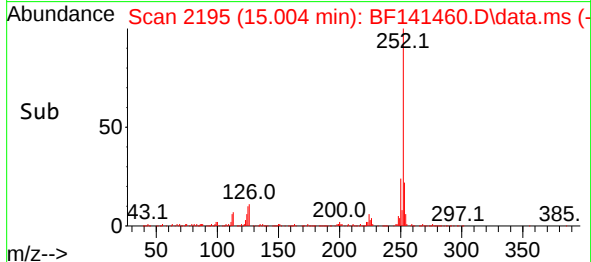
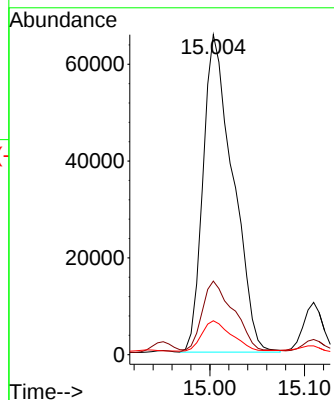
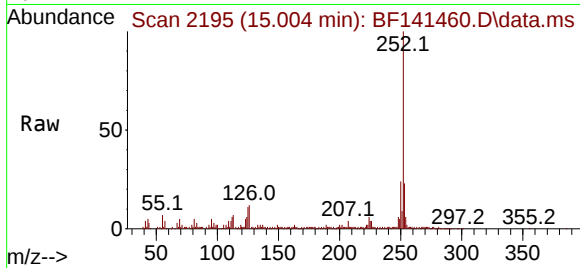




#88
Benzo(b)fluoranthene
Concen: 14.843 ng
RT: 15.004 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

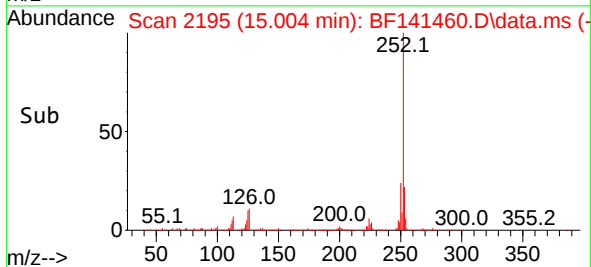
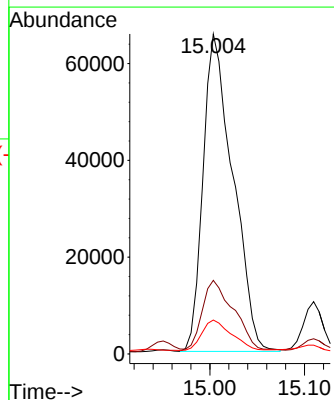
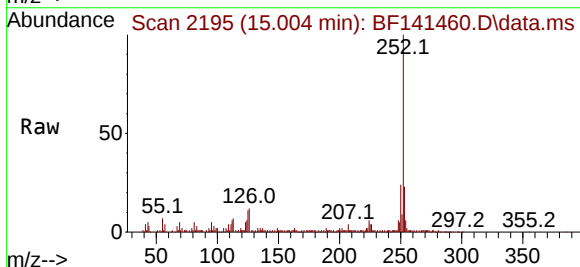
Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725

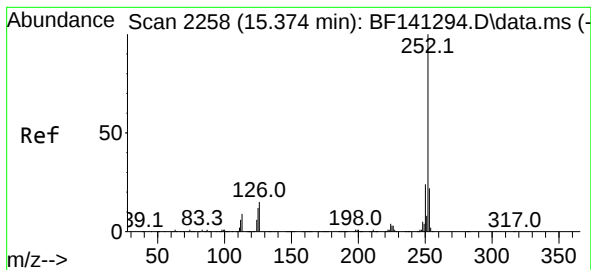
Tgt Ion:252 Resp: 143691
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 10.6 8.6 12.8



#89
Benzo(k)fluoranthene
Concen: 16.756 ng
RT: 15.004 min Scan# 2195
Delta R.T. -0.047 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion:252 Resp: 143691
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 10.6 8.4 12.6





#90

Benzo(a)pyrene

Concen: 9.669 ng

RT: 15.362 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141460.D

Acq: 05 Feb 2025 21:05

Instrument :

BNA_F

ClientSampleId :

JPP-20.2-012725

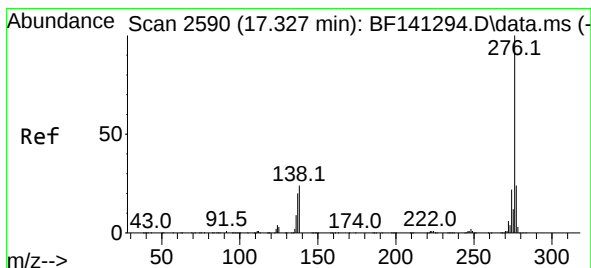
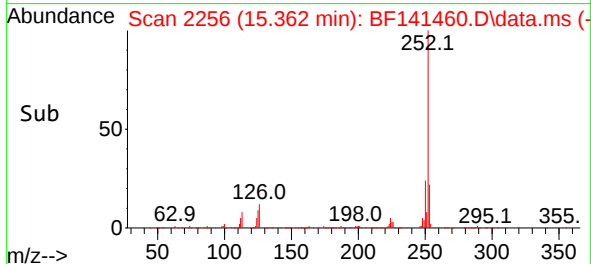
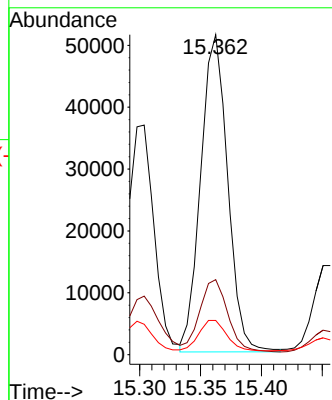
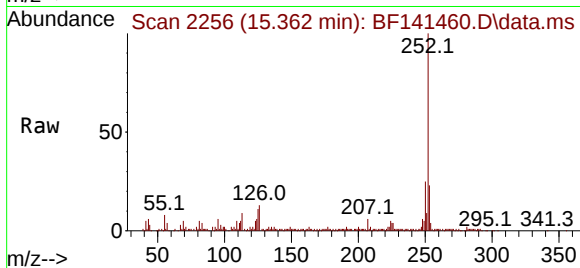
Tgt Ion:252 Resp: 79098

Ion Ratio Lower Upper

252 100

253 23.5 17.2 25.8

125 10.7 9.4 14.2



#92

Benzo(g,h,i)perylene

Concen: 4.043 ng

RT: 17.292 min Scan# 2584

Delta R.T. -0.053 min

Lab File: BF141460.D

Acq: 05 Feb 2025 21:05

Tgt Ion:276 Resp: 33591

Ion Ratio Lower Upper

276 100

277 26.1 19.2 28.8

138 22.3 19.0 28.4

