

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141462.D
 Acq On : 05 Feb 2025 21:57
 Operator : RC/JU
 Sample : Q1207-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-2.1-012725

Quant Time: Feb 06 01:49:26 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)

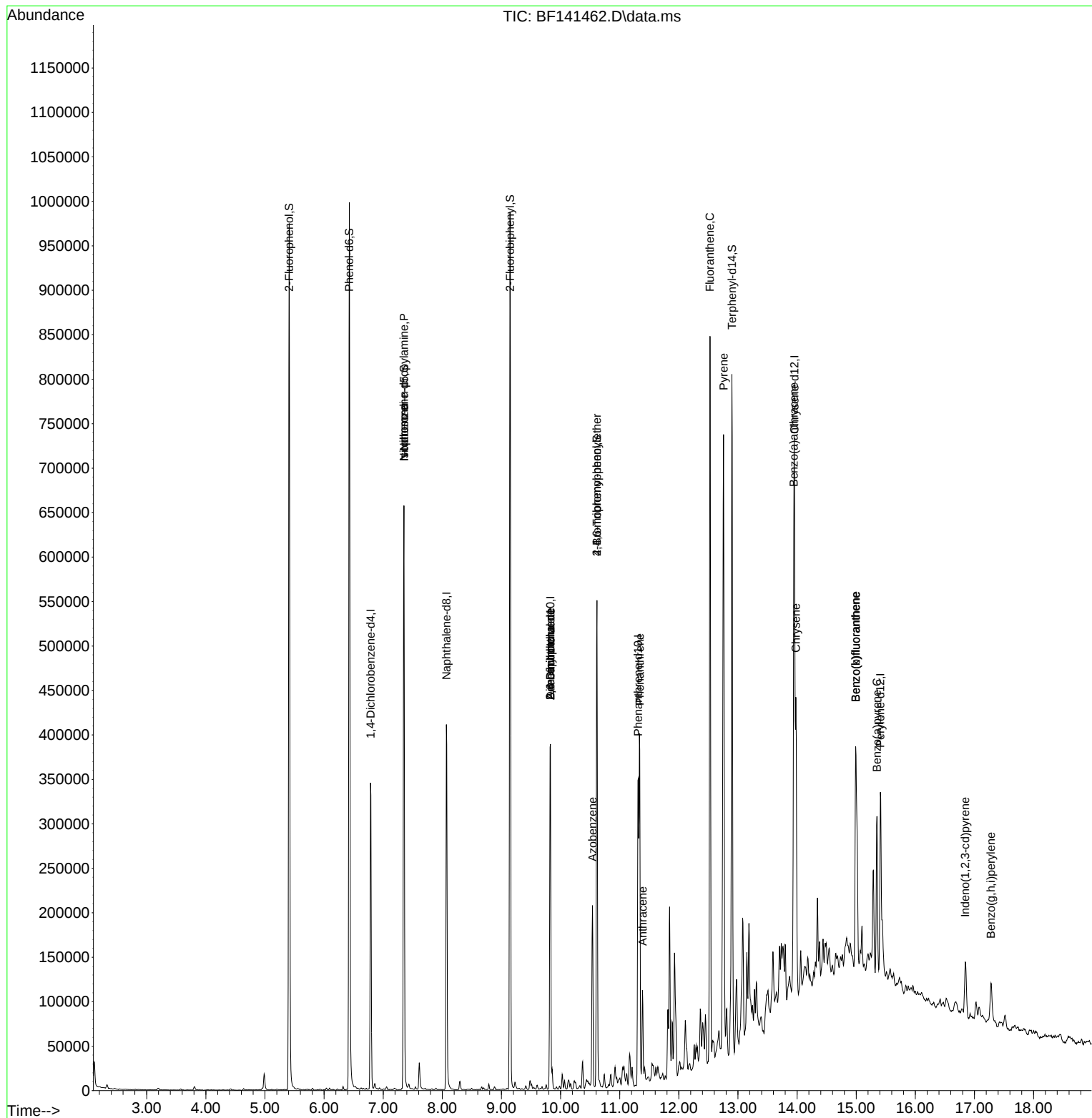
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	70299	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	262308	20.000	ng	#-0.02
39) Acenaphthene-d10	9.828	164	119422	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	175054	20.000	ng	-0.02
76) Chrysene-d12	13.957	240	157036	20.000	ng	-0.02
86) Perylene-d12	15.410	264	119629	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	345337	75.415	ng	0.00
7) Phenol-d6	6.428	99	419566	72.025	ng	-0.01
23) Nitrobenzene-d5	7.351	82	273058	54.877	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	80144	73.203	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	418789	53.976	ng	-0.02
79) Terphenyl-d14	12.898	244	353865	34.752	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	38336	11.075	ng	# 77
25) Isophorone	7.351	82	269405	31.322	ng	# 64
50) Dimethylphthalate	9.828	163	19049	2.362	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	15050	8.036	ng	# 23
57) 2,4-Dinitrotoluene	9.828	165	15050	6.207	ng	# 22
63) Azobenzene	10.539	77	47424	6.058	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	5636	2.876	ng	# 1
71) Phenanthrene	11.339	178	209995	22.316	ng	99
72) Anthracene	11.386	178	59171	6.418	ng	99
75) Fluoranthene	12.527	202	450453	48.482	ng	98
78) Pyrene	12.757	202	400090	26.542	ng	99
81) Benzo(a)anthracene	13.945	228	226161	20.871	ng	97
83) Chrysene	13.980	228	173906	17.511	ng	97
87) Indeno(1,2,3-cd)pyrene	16.845	276	45120	5.844	ng	# 92
88) Benzo(b)fluoranthene	14.992	252	221354	29.416	ng	96
89) Benzo(k)fluoranthene	14.992	252	221354	33.205	ng	96
90) Benzo(a)pyrene	15.351	252	110626	17.397	ng	97
92) Benzo(g,h,i)perylene	17.280	276	39009	6.039	ng	95

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

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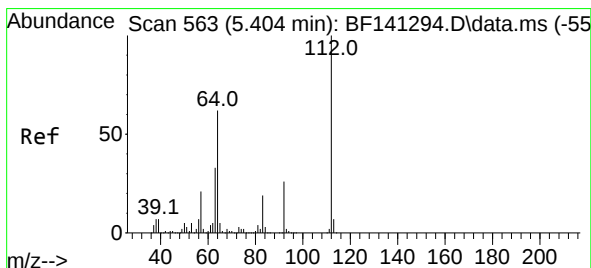
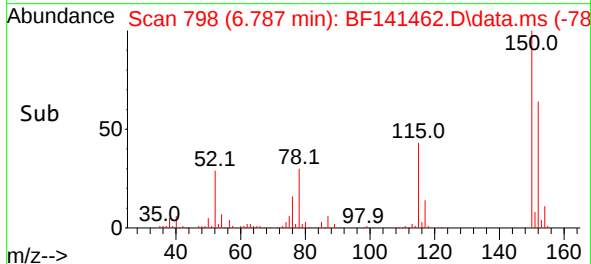
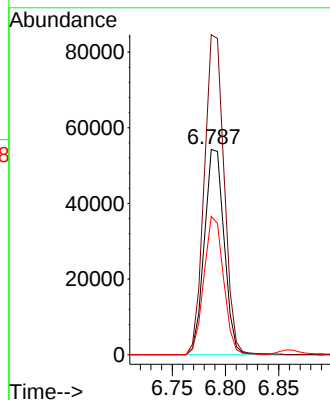
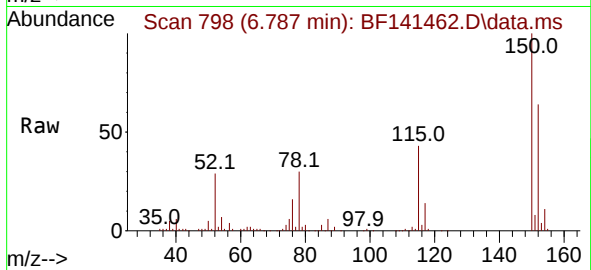




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 70
Delta R.T. -0.017 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

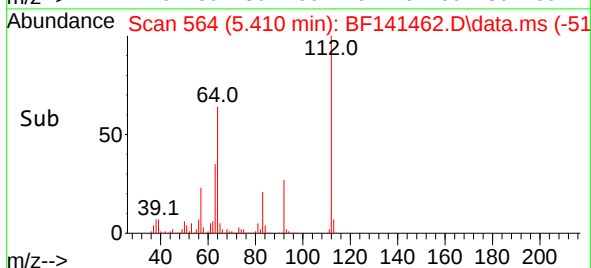
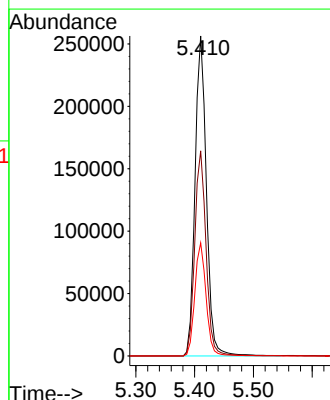
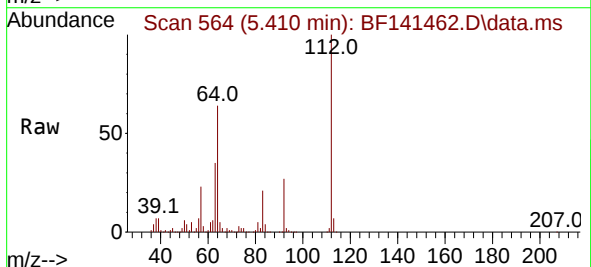
Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

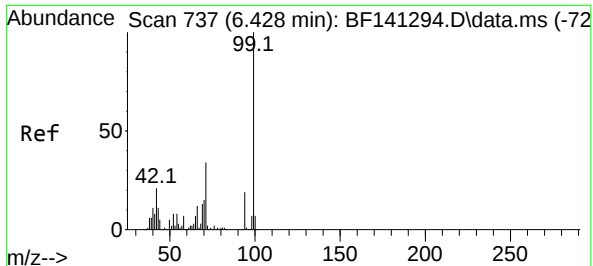
Tgt Ion:152 Resp: 70299
Ion Ratio Lower Upper
152 100
150 155.9 125.9 188.9
115 67.4 49.7 74.5



#5
2-Fluorophenol
Concen: 75.415 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Tgt Ion:112 Resp: 345337
Ion Ratio Lower Upper
112 100
64 64.1 49.8 74.8
63 35.3 26.1 39.1

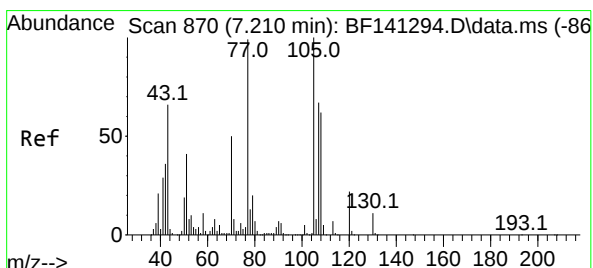
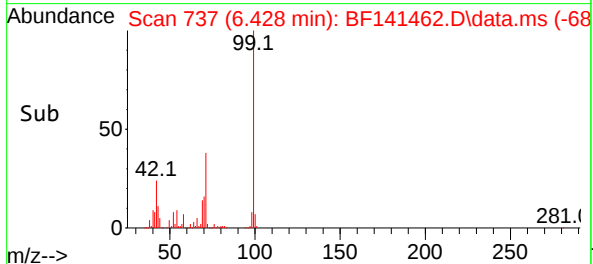
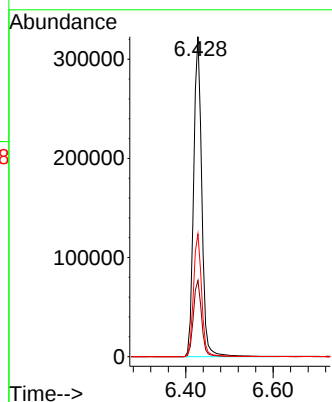
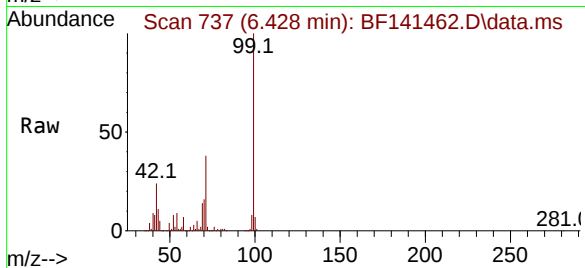




#7
Phenol-d6
Concen: 72.025 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

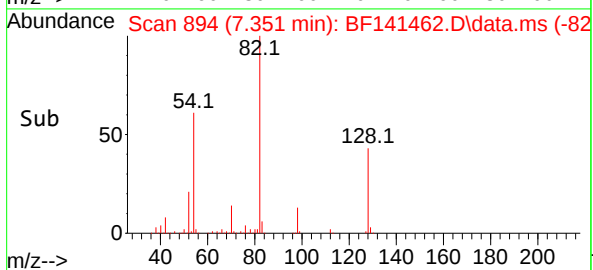
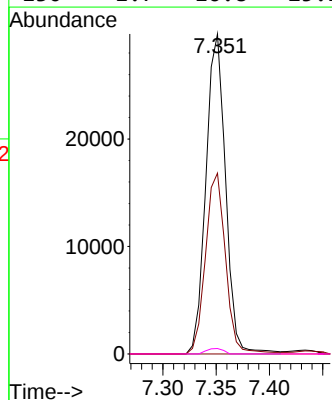
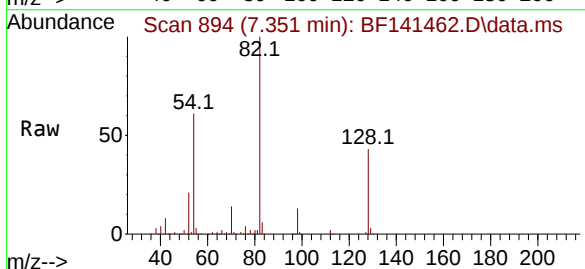
Instrument :
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ClientSampleId :
JPP-2.1-012725

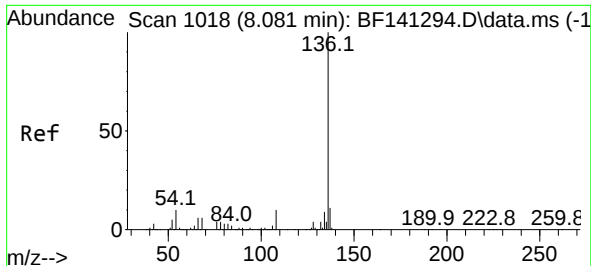
Tgt Ion: 99 Resp: 419566
Ion Ratio Lower Upper
99 100
42 23.8 17.1 25.7
71 38.4 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 11.075 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.123 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Tgt Ion: 70 Resp: 38336
Ion Ratio Lower Upper
70 100
42 56.5 56.8 85.2#
101 0.0 7.7 11.5#
130 1.7 16.8 25.2#

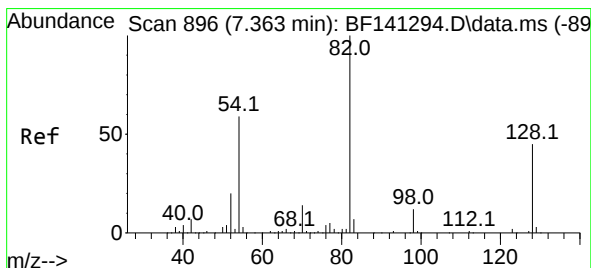
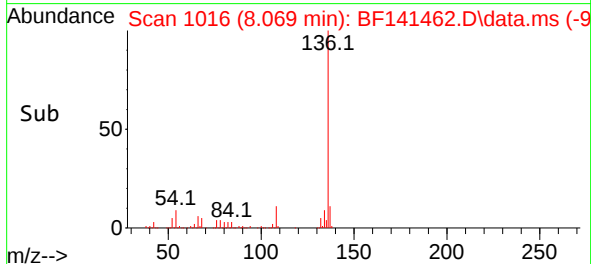
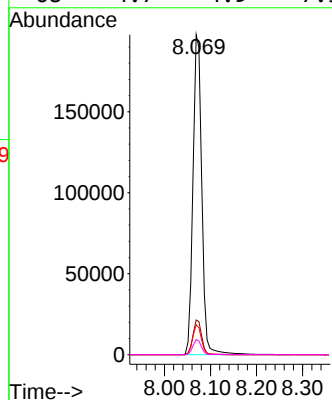
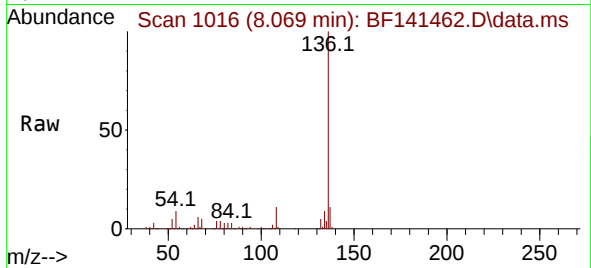




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1018
Delta R.T. -0.018 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

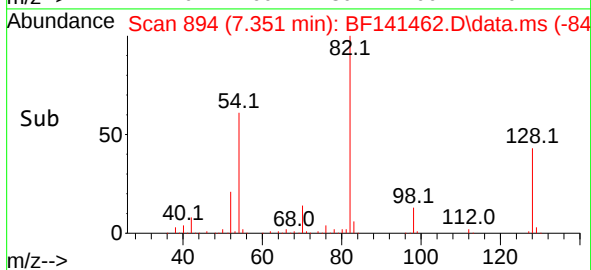
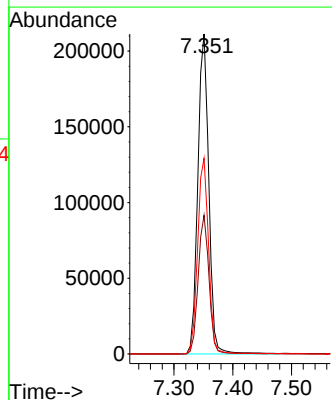
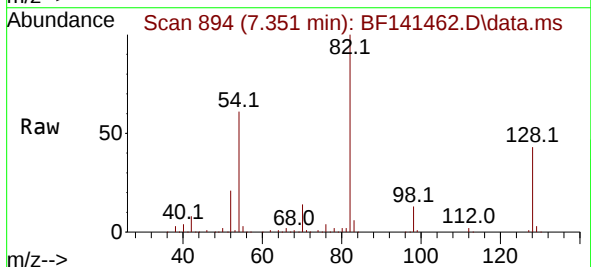
Instrument :
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JPP-2.1-012725

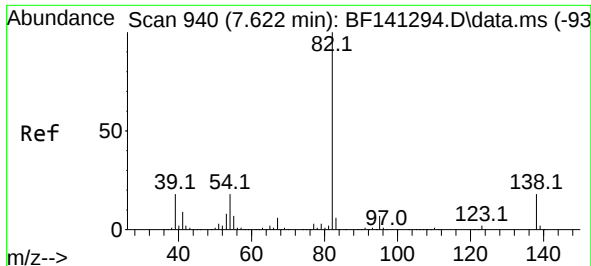
Tgt Ion:136 Resp: 262308
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.3 7.8 11.8
68 4.7 4.9 7.3#



#23
Nitrobenzene-d5
Concen: 54.877 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.018 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Tgt Ion: 82 Resp: 273058
Ion Ratio Lower Upper
82 100
128 43.4 35.7 53.5
54 61.2 47.1 70.7

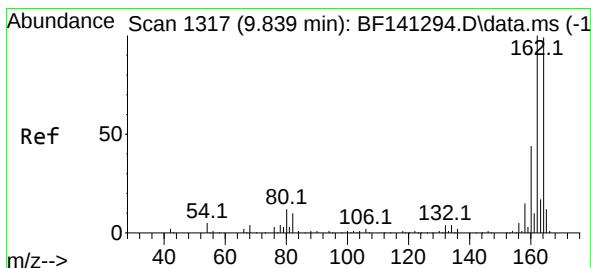
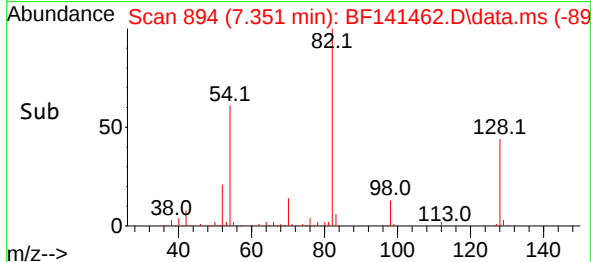
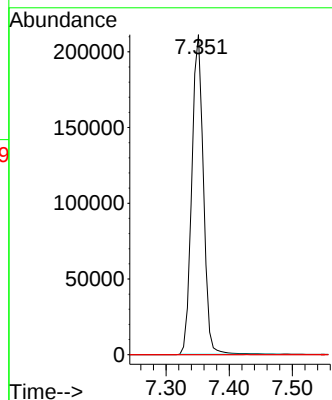
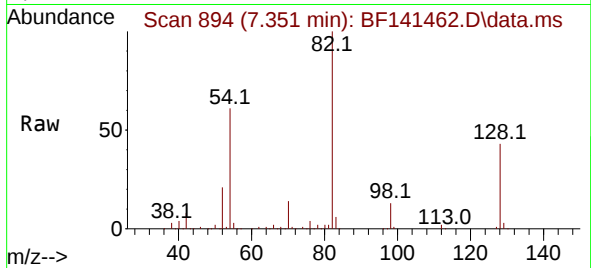




#25
Isophorone
Concen: 31.322 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.277 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

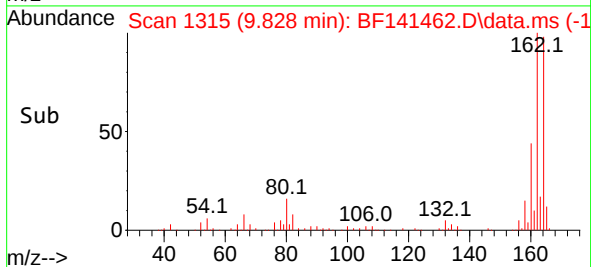
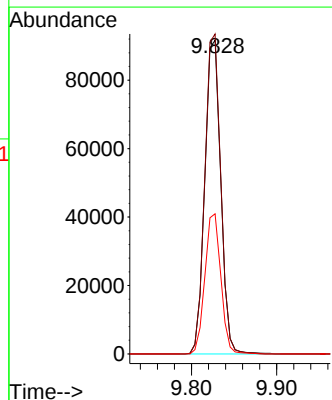
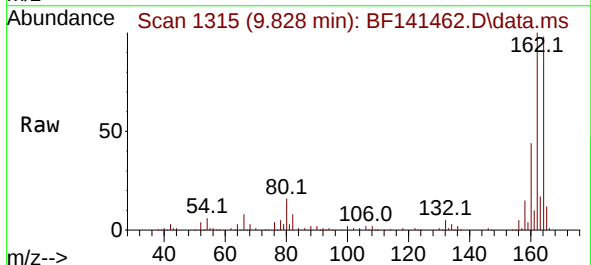
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ClientSampleId :
JPP-2.1-012725

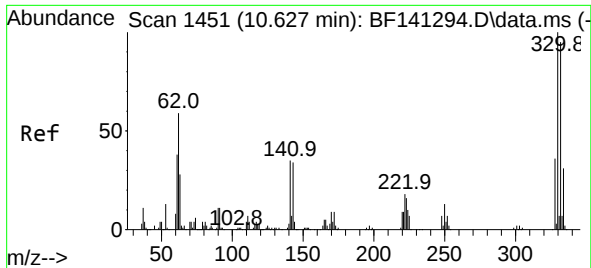
Tgt Ion: 82 Resp: 269405
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

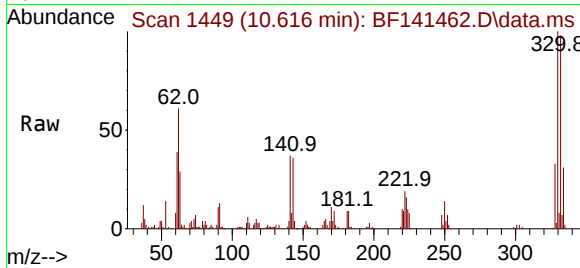
Tgt Ion: 164 Resp: 119422
Ion Ratio Lower Upper
164 100
162 102.0 80.6 121.0
160 44.7 35.8 53.6



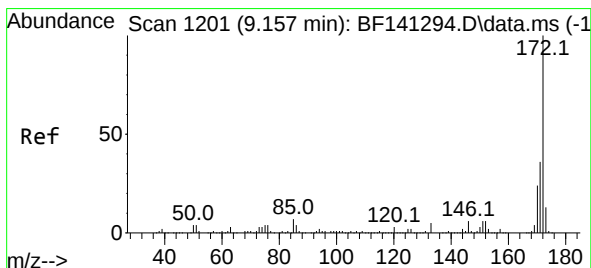
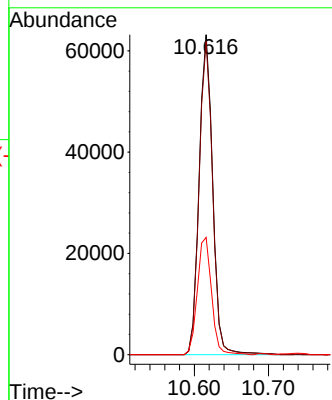
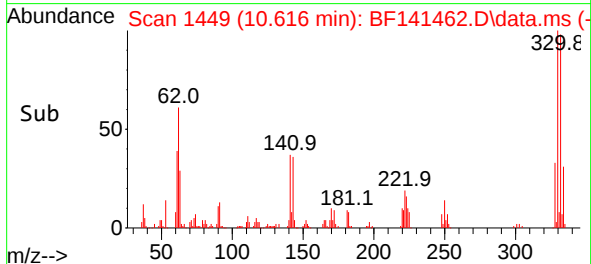


#42
 2,4,6-Tribromophenol
 Concen: 73.203 ng
 RT: 10.616 min Scan# 1449
 Delta R.T. -0.018 min
 Lab File: BF141462.D
 Acq: 05 Feb 2025 21:57

Instrument :
 BNA_F
 ClientSampleId :
 JPP-2.1-012725

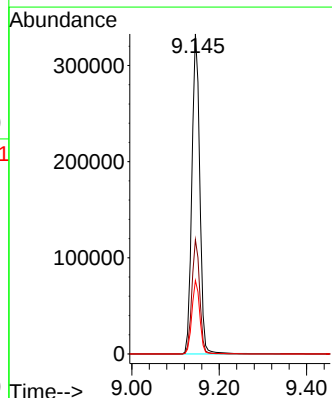
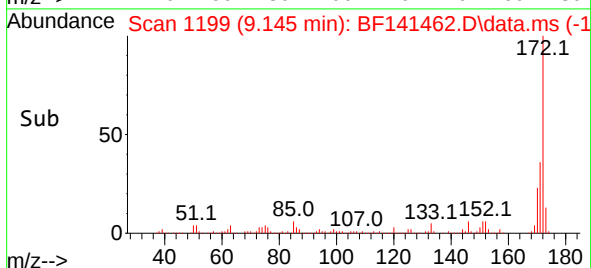
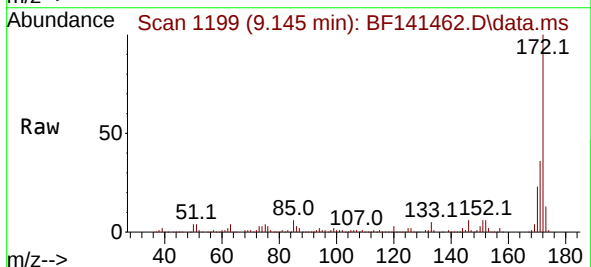


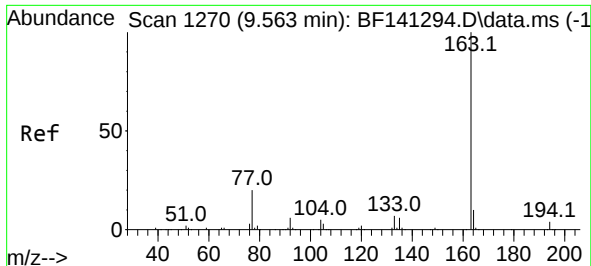
Tgt Ion:330 Resp: 80144
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.1 114.1
 141 38.4 28.8 43.2



#45
 2-Fluorobiphenyl
 Concen: 53.976 ng
 RT: 9.145 min Scan# 1199
 Delta R.T. -0.018 min
 Lab File: BF141462.D
 Acq: 05 Feb 2025 21:57

Tgt Ion:172 Resp: 418789
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.8 43.2
 170 22.9 19.0 28.6

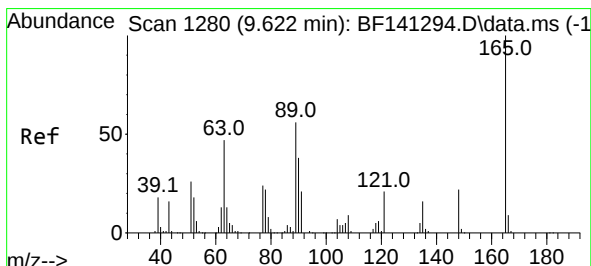
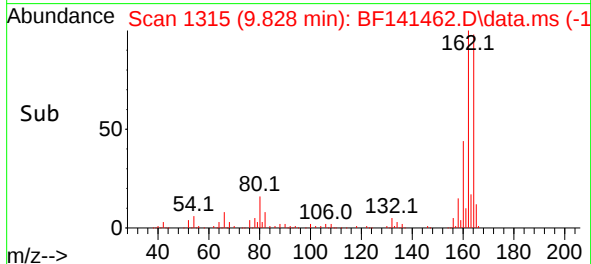
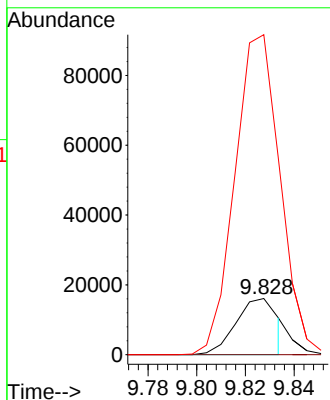
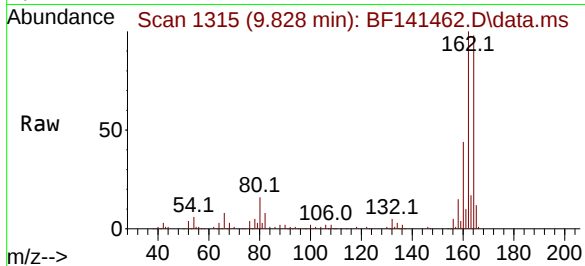




#50
Dimethylphthalate
Concen: 2.362 ng
RT: 9.828 min Scan# 1315
Delta R.T. 0.259 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

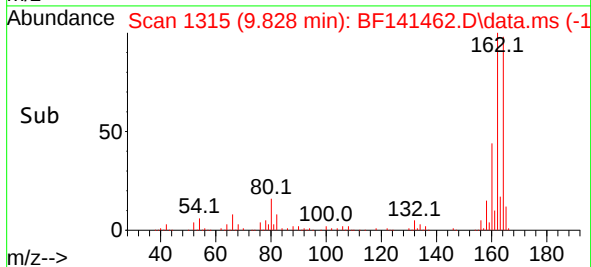
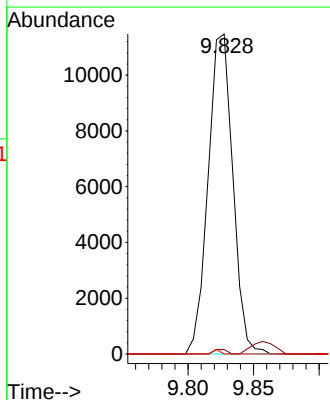
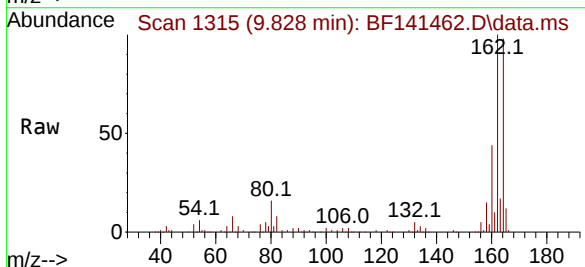
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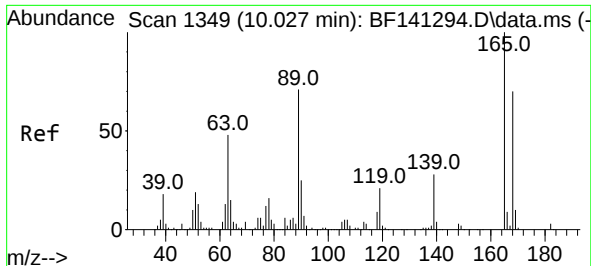
Tgt Ion:163 Resp: 19049
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 570.3 8.0 12.0#



#51
2,6-Dinitrotoluene
Concen: 8.036 ng
RT: 9.828 min Scan# 1315
Delta R.T. 0.200 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Tgt Ion:165 Resp: 15050
Ion Ratio Lower Upper
165 100
63 1.4 48.1 72.1#
89 0.0 44.9 67.3#

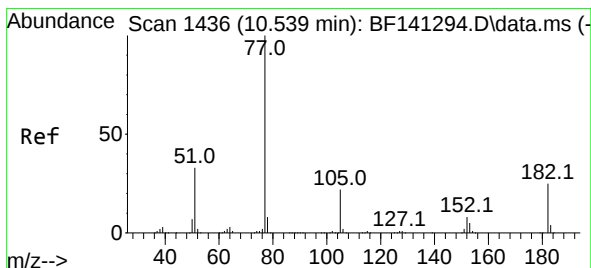
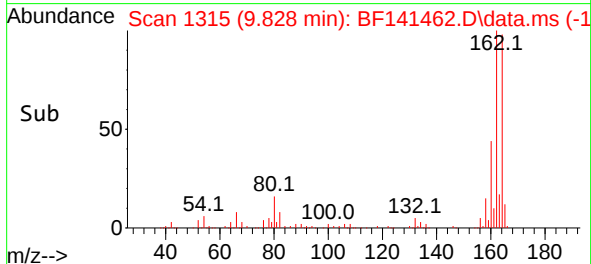
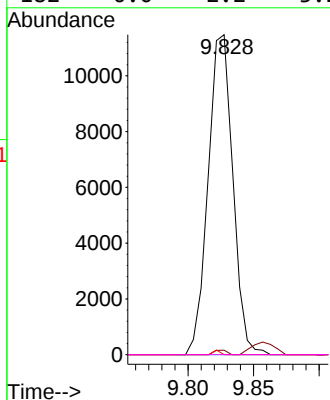
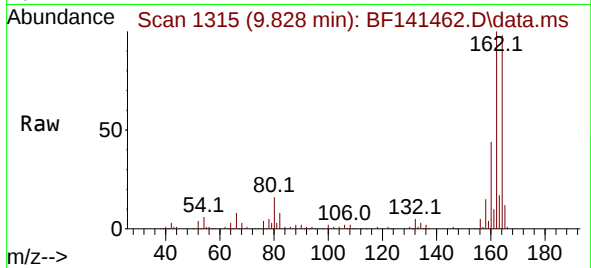




#57
2,4-Dinitrotoluene
Concen: 6.207 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

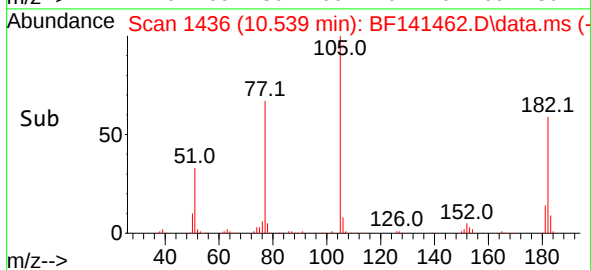
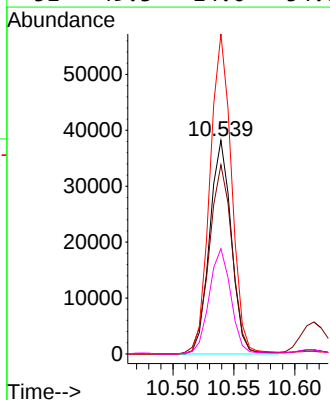
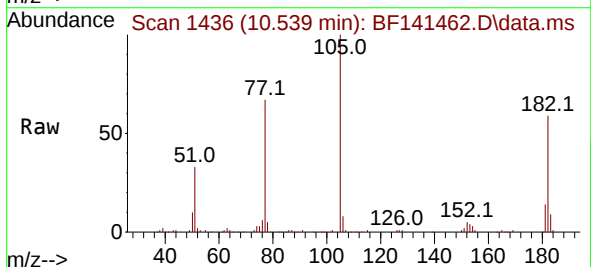
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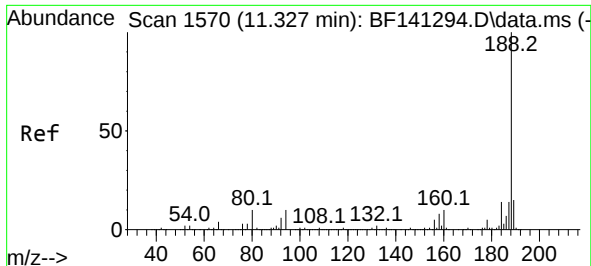
Tgt Ion:165 Resp: 15050
Ion Ratio Lower Upper
165 100
63 1.4 39.2 58.8#
89 0.0 56.9 85.3#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 6.058 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Tgt Ion: 77 Resp: 47424
Ion Ratio Lower Upper
77 100
182 88.5 5.1 45.1#
105 149.8 1.8 41.8#
51 49.3 14.0 54.0

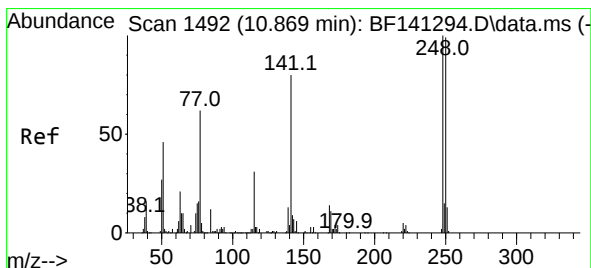
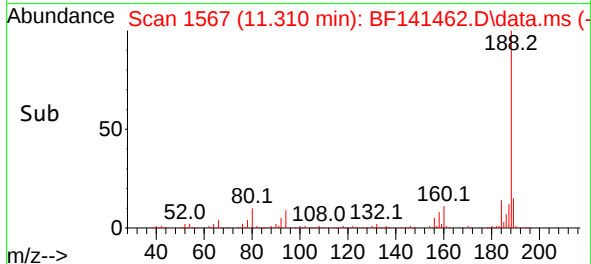
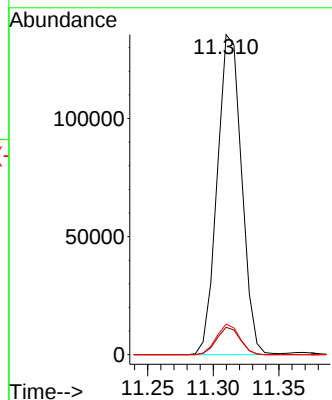
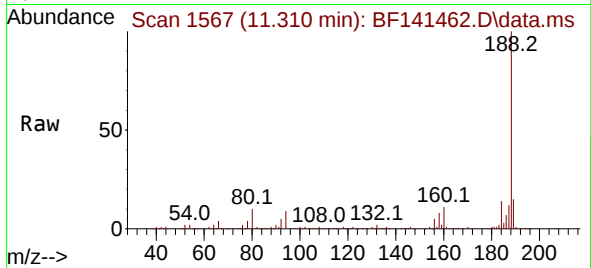




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

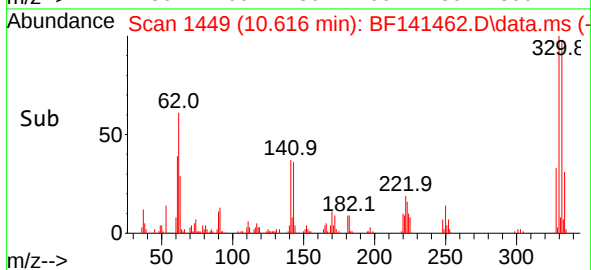
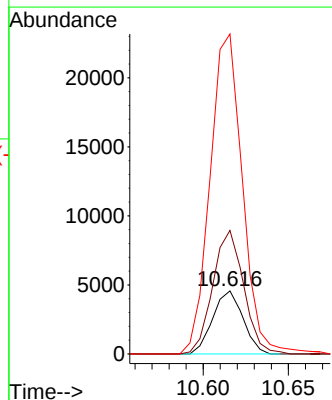
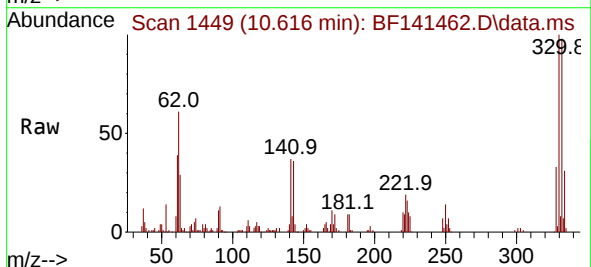
Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

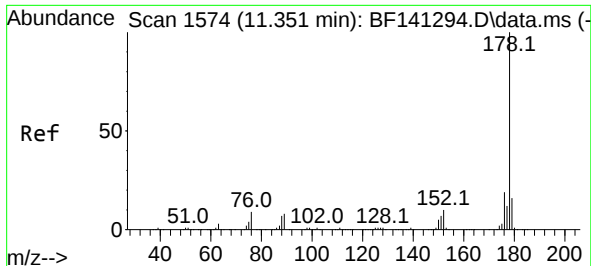
Tgt Ion:188 Resp: 175054
Ion Ratio Lower Upper
188 100
94 8.5 7.8 11.6
80 9.5 8.2 12.4



#67
4-Bromophenyl-phenylether
Concen: 2.876 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.259 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Tgt Ion:248 Resp: 5636
Ion Ratio Lower Upper
248 100
250 195.9 79.0 118.4#
141 507.2 63.7 95.5#

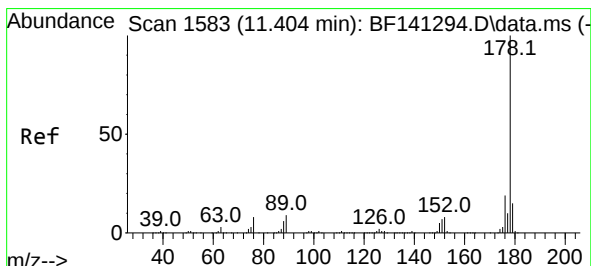
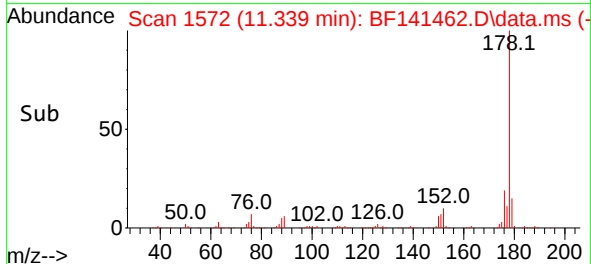
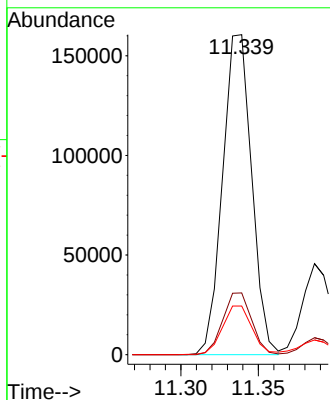
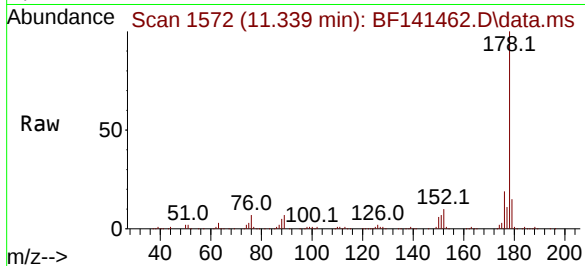




#71
Phenanthrene
Concen: 22.316 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

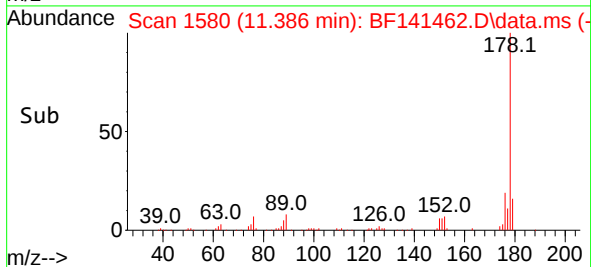
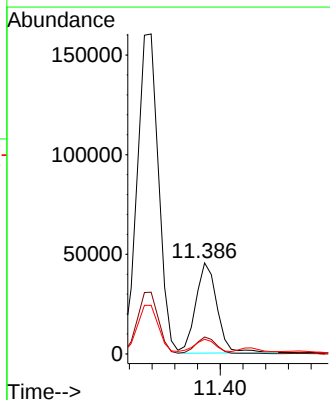
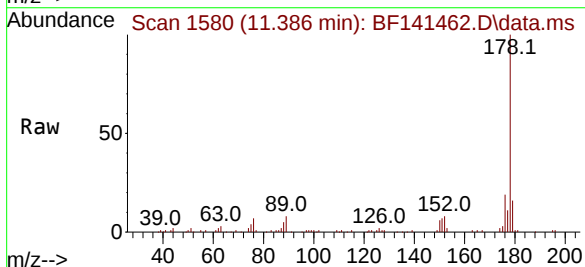
Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

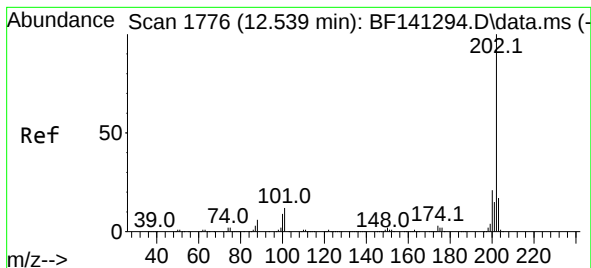
Tgt Ion:178 Resp: 209995
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.2 12.5 18.7



#72
Anthracene
Concen: 6.418 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.018 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Tgt Ion:178 Resp: 59171
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 16.2 12.3 18.5





#75

Fluoranthene

Concen: 48.482 ng

RT: 12.527 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141462.D

Acq: 05 Feb 2025 21:57

Instrument :

BNA_F

ClientSampleId :

JPP-2.1-012725

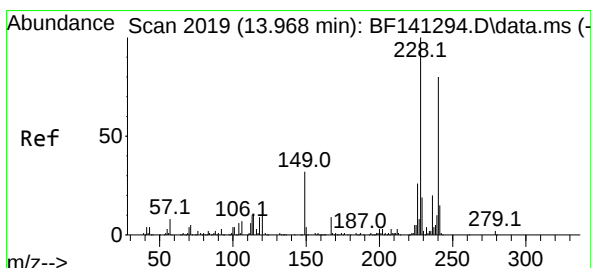
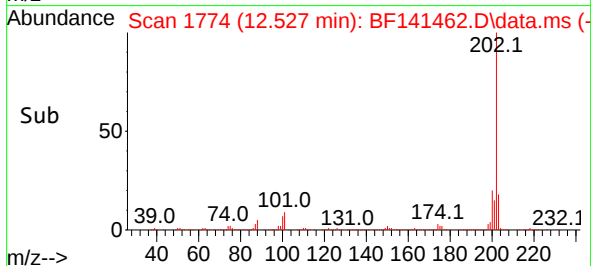
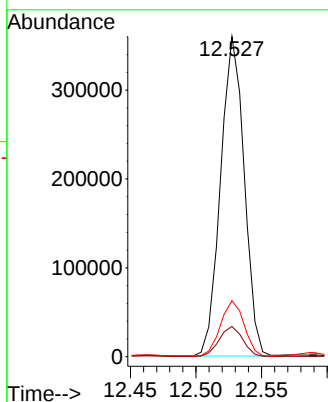
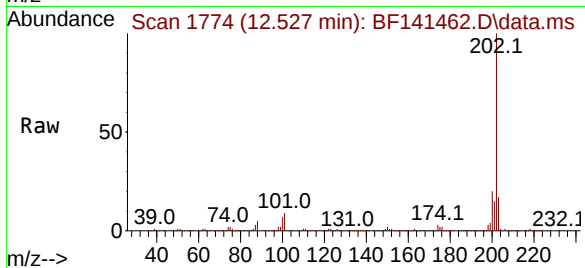
Tgt Ion:202 Resp: 450453

Ion Ratio Lower Upper

202 100

101 9.4 0.0 31.7

203 17.5 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: BF141462.D

Acq: 05 Feb 2025 21:57

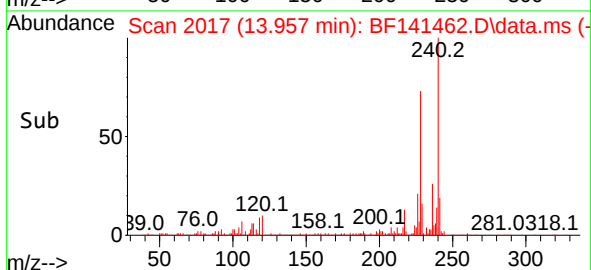
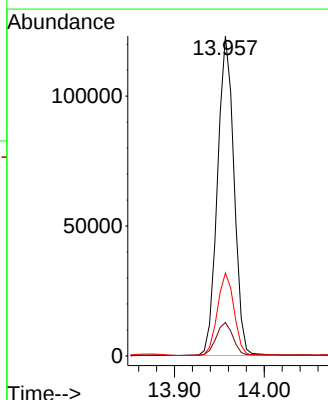
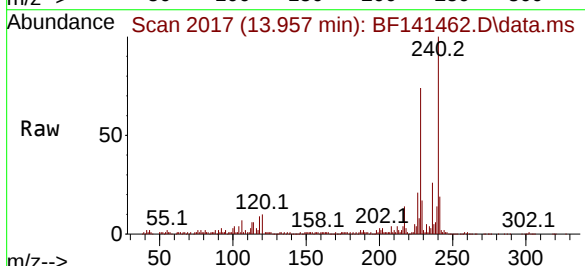
Tgt Ion:240 Resp: 157036

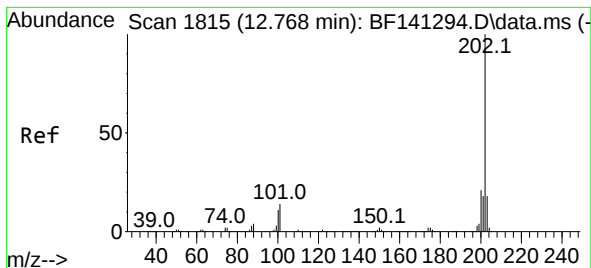
Ion Ratio Lower Upper

240 100

120 10.5 10.0 15.0

236 25.9 19.7 29.5





#78

Pyrene

Concen: 26.542 ng

RT: 12.757 min Scan# 1813

Delta R.T. -0.012 min

Lab File: BF141462.D

Acq: 05 Feb 2025 21:57

Instrument :

BNA_F

ClientSampleId :

JPP-2.1-012725

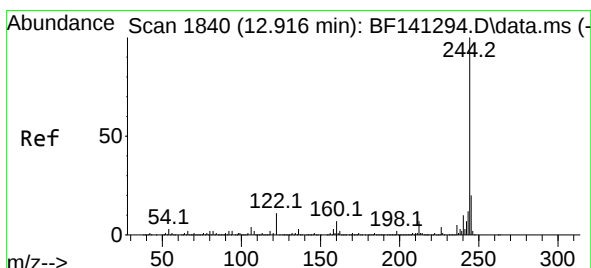
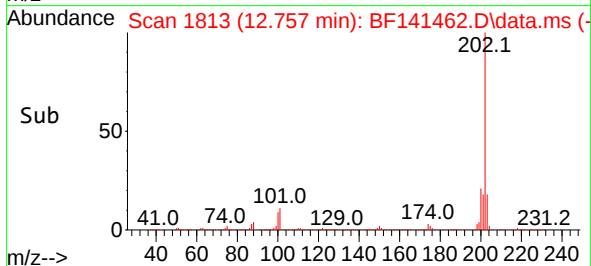
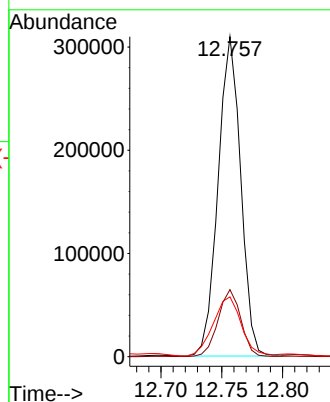
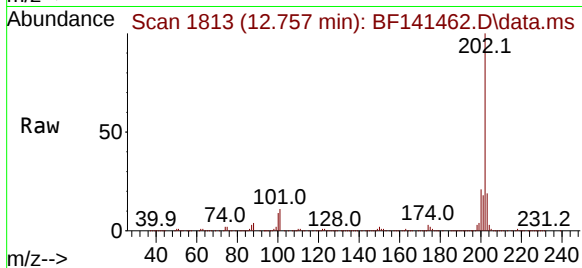
Tgt Ion:202 Resp: 400090

Ion Ratio Lower Upper

202 100

200 20.9 17.0 25.4

203 18.7 14.3 21.5



#79

Terphenyl-d14

Concen: 34.752 ng

RT: 12.898 min Scan# 1837

Delta R.T. -0.018 min

Lab File: BF141462.D

Acq: 05 Feb 2025 21:57

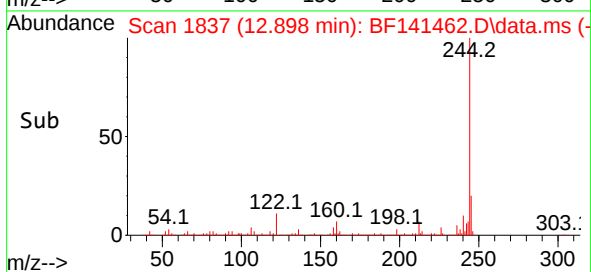
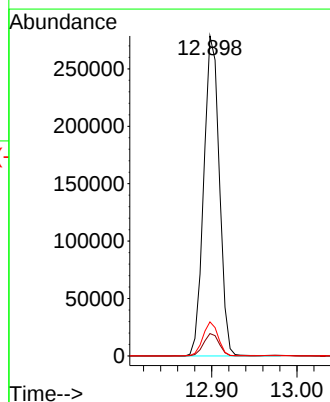
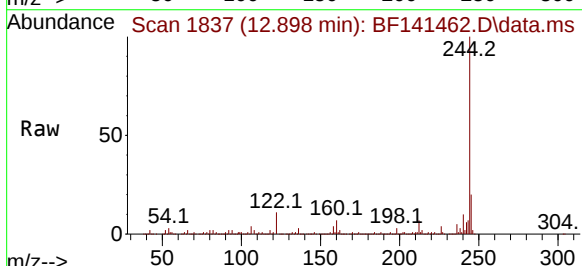
Tgt Ion:244 Resp: 353865

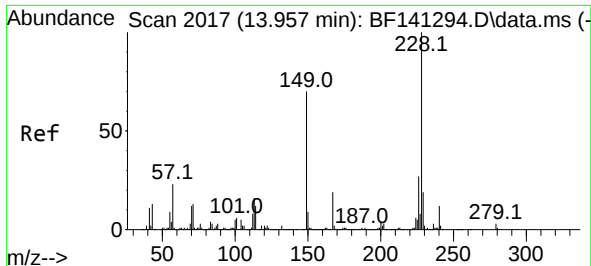
Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

122 10.7 8.8 13.2

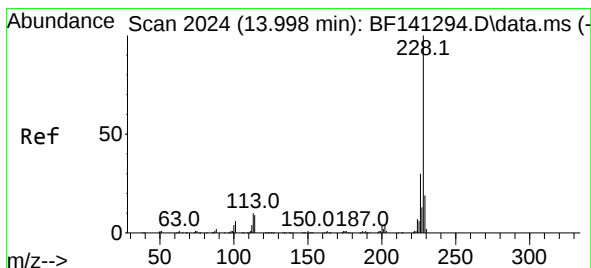
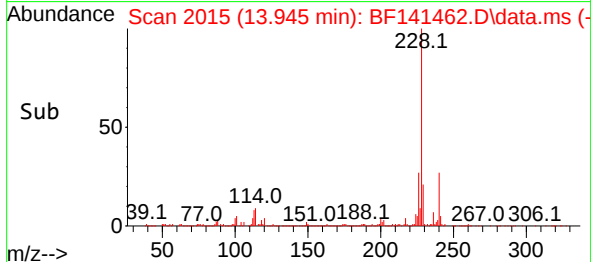
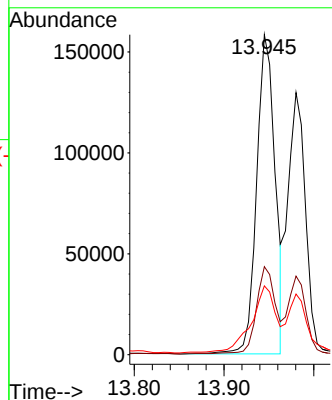
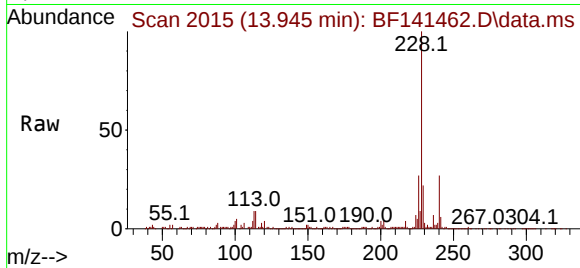




#81
Benzo(a)anthracene
Concen: 20.871 ng
RT: 13.945 min Scan# 20
Delta R.T. -0.018 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

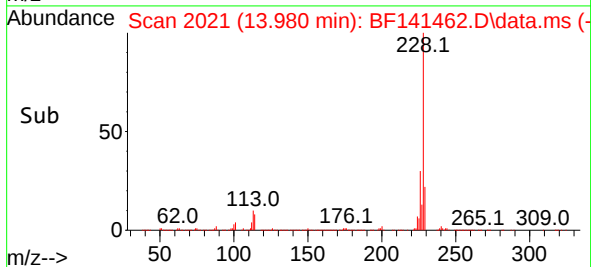
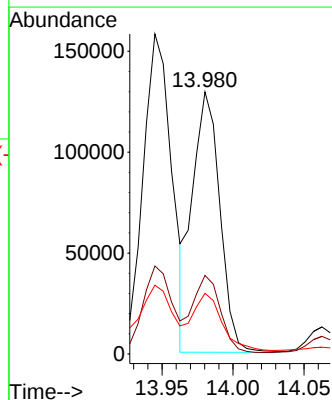
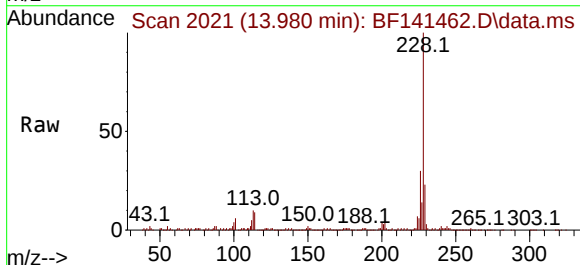
Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

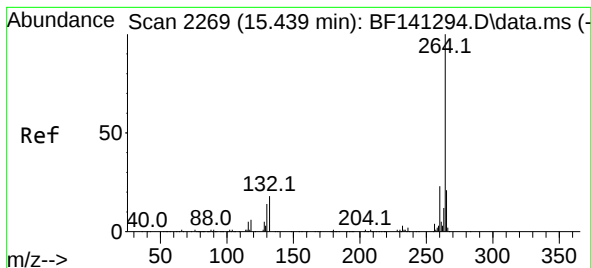
Tgt Ion:228 Resp: 226161
Ion Ratio Lower Upper
228 100
226 27.5 21.4 32.2
229 21.5 15.5 23.3



#83
Chrysene
Concen: 17.511 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.018 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Tgt Ion:228 Resp: 173906
Ion Ratio Lower Upper
228 100
226 30.0 24.1 36.1
229 23.1 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF141462.D

Acq: 05 Feb 2025 21:57

Instrument :

BNA_F

ClientSampleId :

JPP-2.1-012725

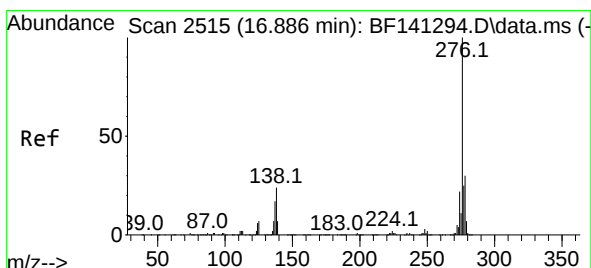
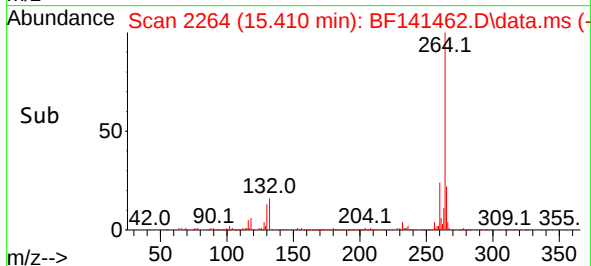
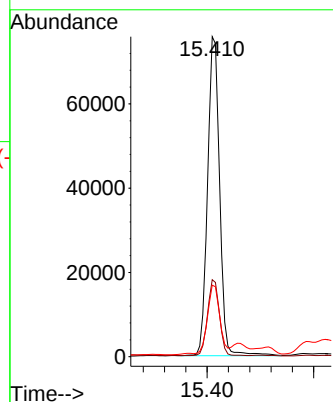
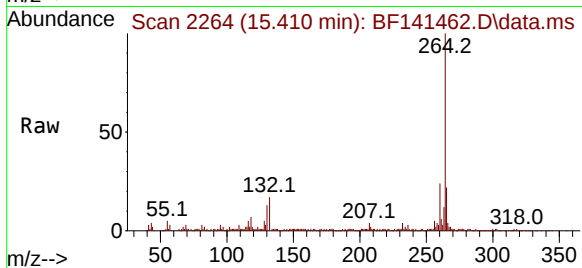
Tgt Ion:264 Resp: 119629

Ion Ratio Lower Upper

264 100

260 24.1 18.6 27.8

265 22.3 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.844 ng

RT: 16.845 min Scan# 2508

Delta R.T. -0.053 min

Lab File: BF141462.D

Acq: 05 Feb 2025 21:57

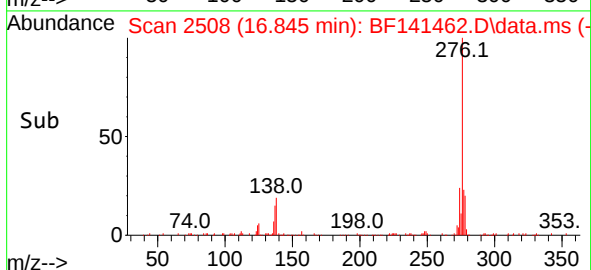
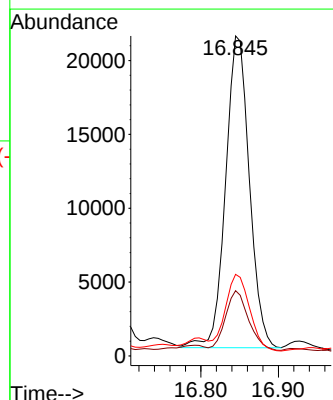
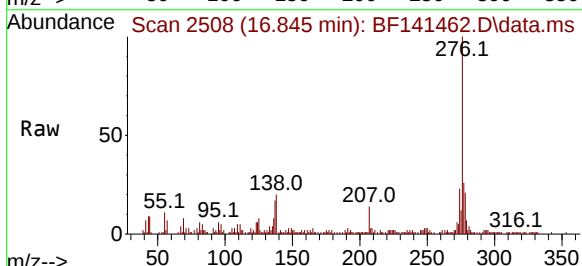
Tgt Ion:276 Resp: 45120

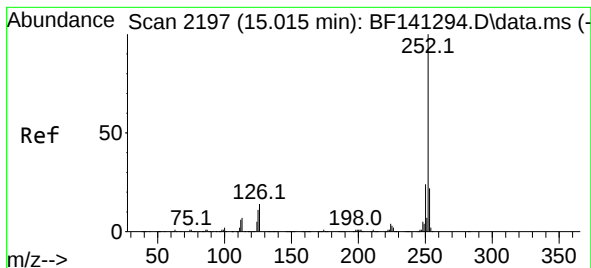
Ion Ratio Lower Upper

276 100

138 19.1 21.7 32.5#

277 25.4 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 29.416 ng

RT: 14.992 min Scan# 2193

Delta R.T. -0.030 min

Lab File: BF141462.D

Acq: 05 Feb 2025 21:57

Instrument :

BNA_F

ClientSampleId :

JPP-2.1-012725

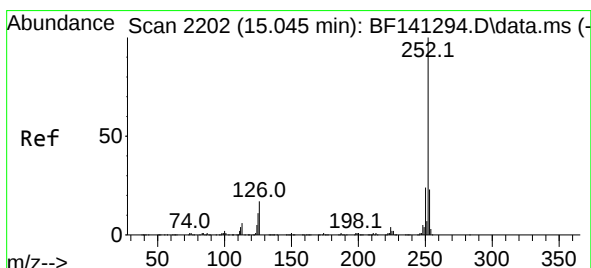
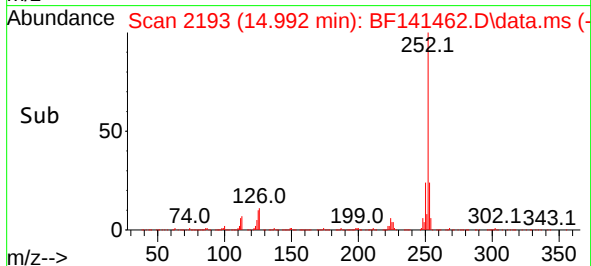
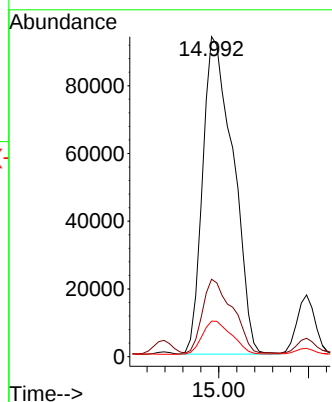
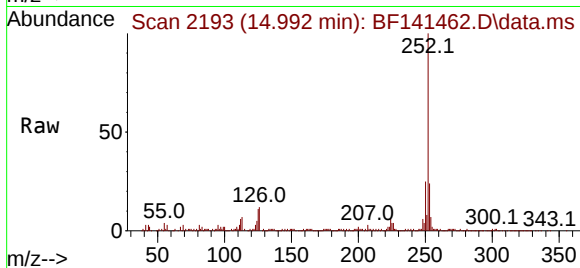
Tgt Ion:252 Resp: 221354

Ion Ratio Lower Upper

252 100

253 24.2 17.4 26.2

125 11.1 8.6 12.8



#89

Benzo(k)fluoranthene

Concen: 33.205 ng

RT: 14.992 min Scan# 2193

Delta R.T. -0.059 min

Lab File: BF141462.D

Acq: 05 Feb 2025 21:57

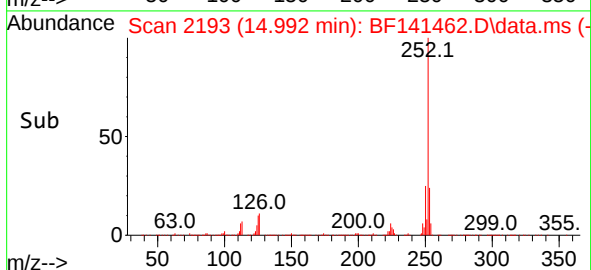
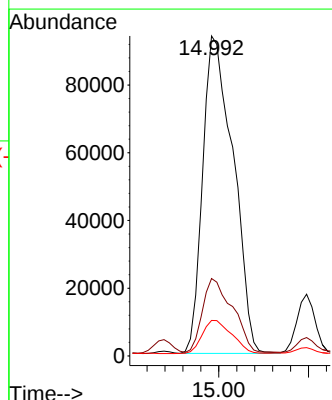
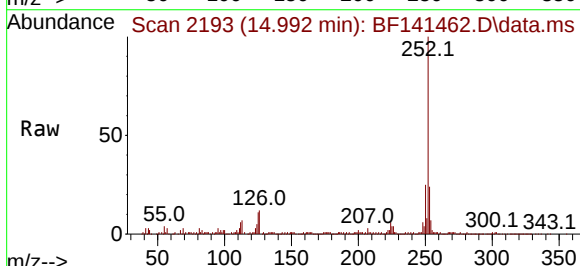
Tgt Ion:252 Resp: 221354

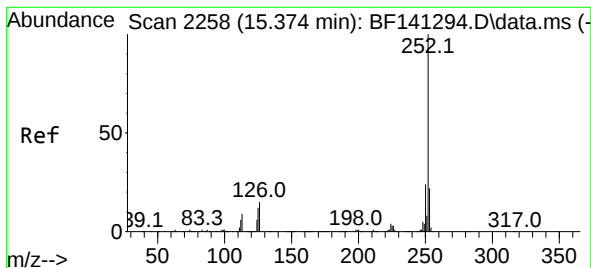
Ion Ratio Lower Upper

252 100

253 24.2 17.6 26.4

125 11.1 8.4 12.6





#90

Benzo(a)pyrene

Concen: 17.397 ng

RT: 15.351 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF141462.D

Acq: 05 Feb 2025 21:57

Instrument :

BNA_F

ClientSampleId :

JPP-2.1-012725

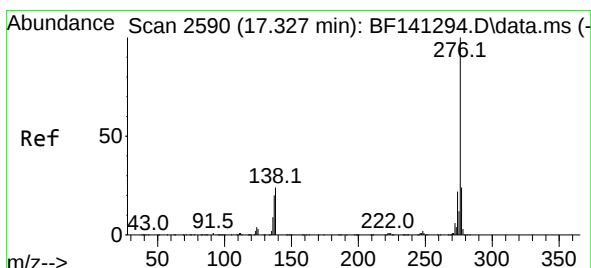
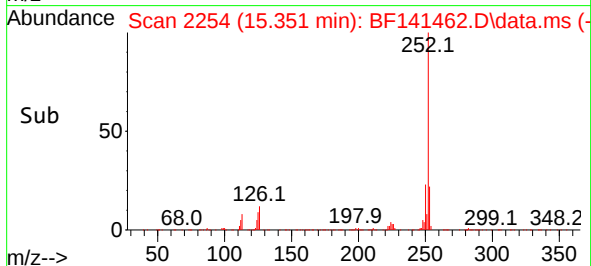
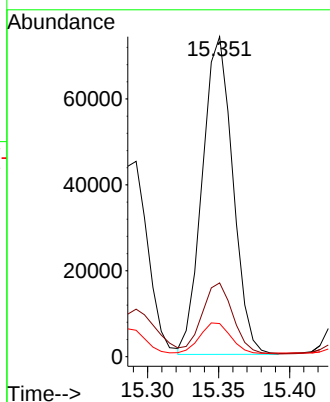
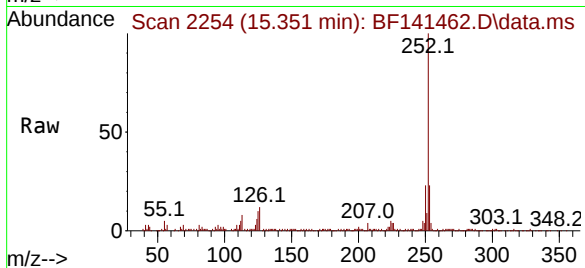
Tgt Ion:252 Resp: 110626

Ion Ratio Lower Upper

252 100

253 23.1 17.2 25.8

125 10.4 9.4 14.2



#92

Benzo(g,h,i)perylene

Concen: 6.039 ng

RT: 17.280 min Scan# 2582

Delta R.T. -0.065 min

Lab File: BF141462.D

Acq: 05 Feb 2025 21:57

Tgt Ion:276 Resp: 39009

Ion Ratio Lower Upper

276 100

277 25.1 19.2 28.8

138 20.1 19.0 28.4

