

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141465.D
 Acq On : 05 Feb 2025 23:15
 Operator : RC/JU
 Sample : Q1207-15 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-16.2-012725

Quant Time: Feb 06 01:51:00 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)

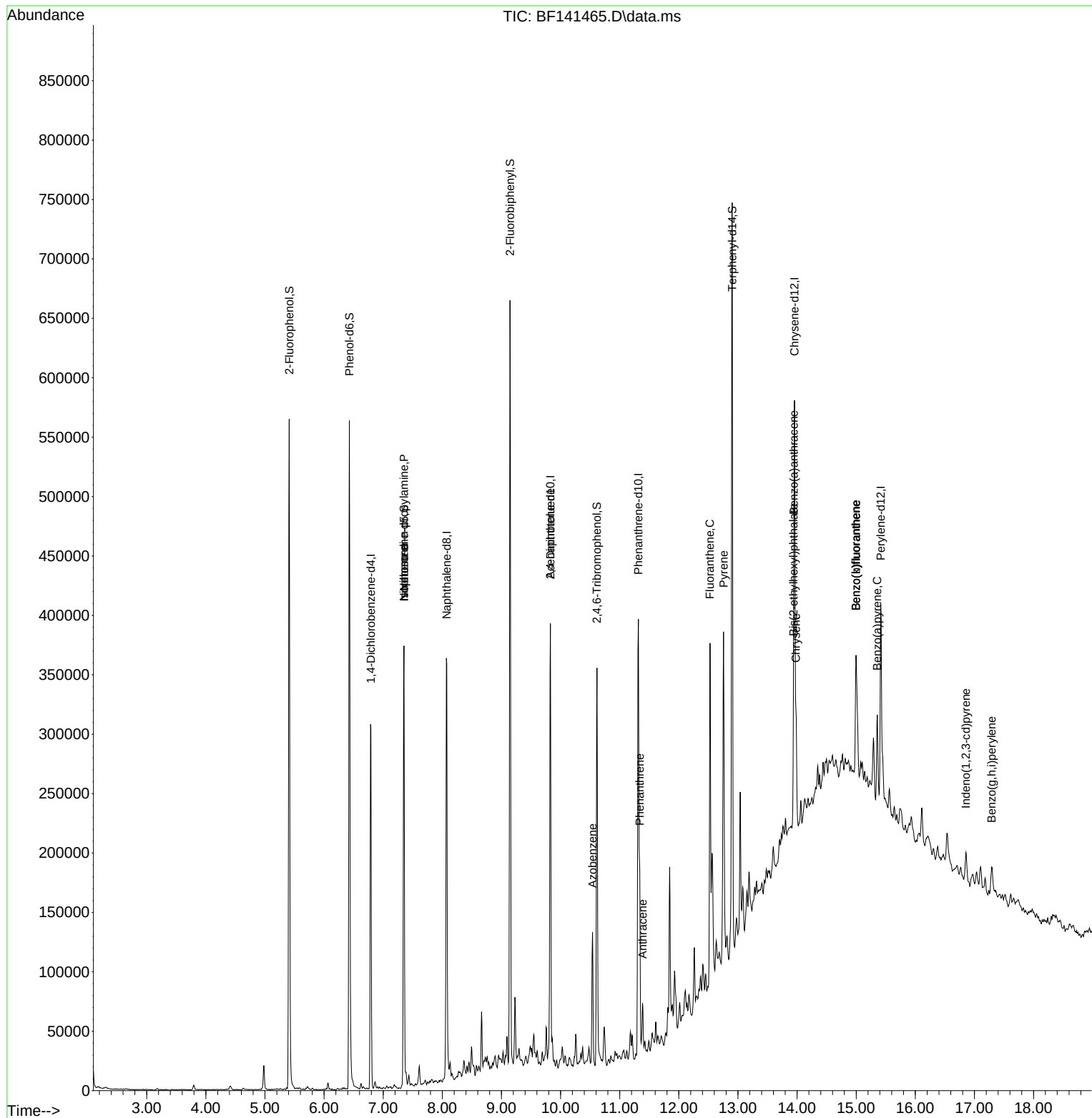
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	63173	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	226729	20.000	ng	#-0.01
39) Acenaphthene-d10	9.827	164	107544	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	186178	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	135658	20.000	ng	-0.02
86) Perylene-d12	15.415	264	100723	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	209066	50.806	ng	0.00
7) Phenol-d6	6.428	99	248752	47.519	ng	-0.01
23) Nitrobenzene-d5	7.351	82	159016	36.973	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	48453	49.144	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	274726	39.319	ng	-0.02
79) Terphenyl-d14	12.904	244	312760	35.555	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	21525	6.920	ng	# 80
25) Isophorone	7.351	82	154531	20.786	ng	# 65
57) 2,4-Dinitrotoluene	9.827	165	15055	6.895	ng	# 23
63) Azobenzene	10.539	77	26349	3.738	ng	# 1
71) Phenanthrene	11.339	178	83232	8.317	ng	99
72) Anthracene	11.386	178	24878	2.537	ng	98
75) Fluoranthene	12.527	202	160391	16.231	ng	97
78) Pyrene	12.757	202	160295	12.310	ng	99
81) Benzo(a)anthracene	13.945	228	71505	7.638	ng	96
83) Chrysene	13.980	228	50540	5.891	ng	97
84) Bis(2-ethylhexyl)phtha...	13.939	149	11573	2.005	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.856	276	22270	3.426	ng	# 90
88) Benzo(b)fluoranthene	14.998	252	74986	11.835	ng	# 91
89) Benzo(k)fluoranthene	14.998	252	74986	13.360	ng	# 91
90) Benzo(a)pyrene	15.357	252	42158	7.874	ng	92
92) Benzo(g,h,i)perylene	17.292	276	22451	4.128	ng	# 93

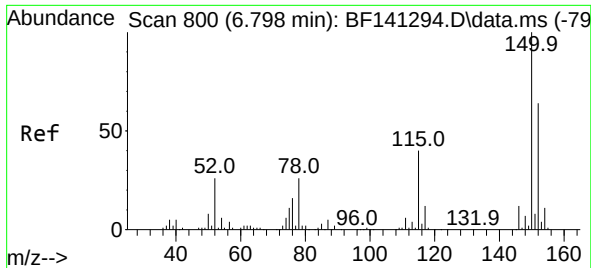
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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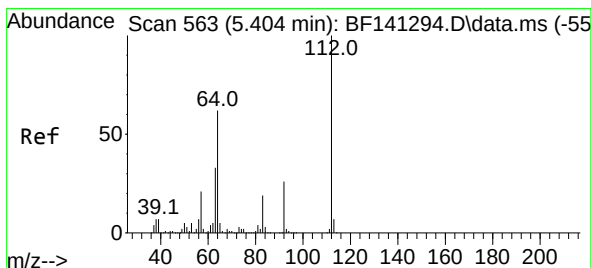
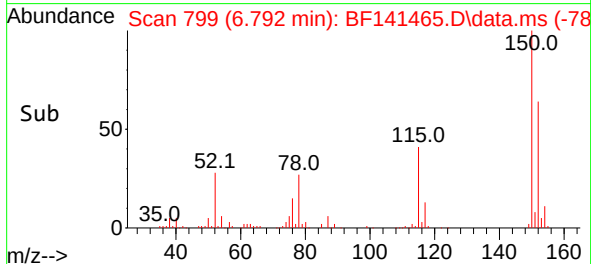
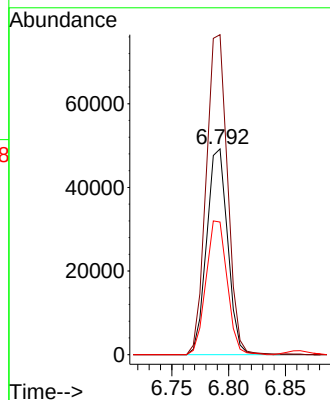
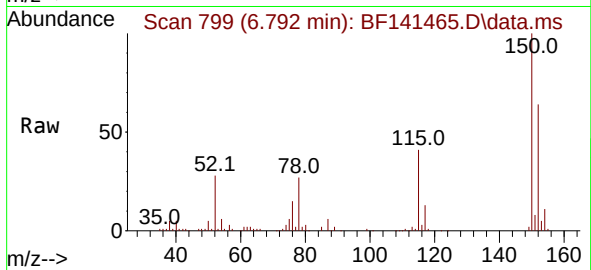




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

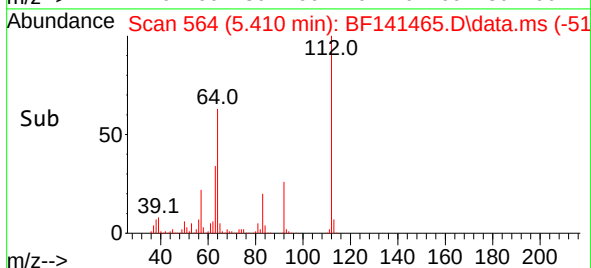
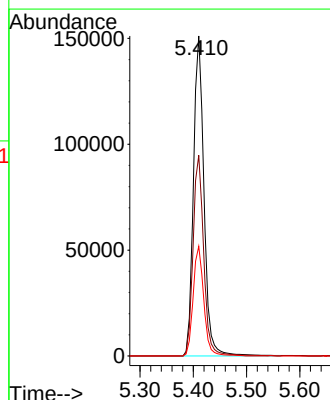
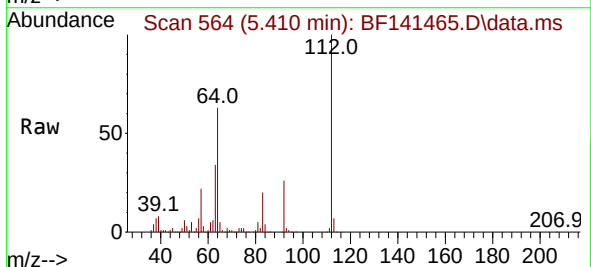
Instrument :
BNA_F
ClientSampleId :
JPP-16.2-012725

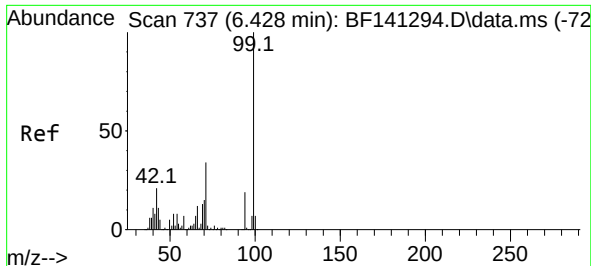
Tgt Ion:152 Resp: 63173
Ion Ratio Lower Upper
152 100
150 155.5 125.9 188.9
115 64.5 49.7 74.5



#5
2-Fluorophenol
Concen: 50.806 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

Tgt Ion:112 Resp: 209066
Ion Ratio Lower Upper
112 100
64 62.7 49.8 74.8
63 34.3 26.1 39.1





#7
Phenol-d6
Concen: 47.519 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

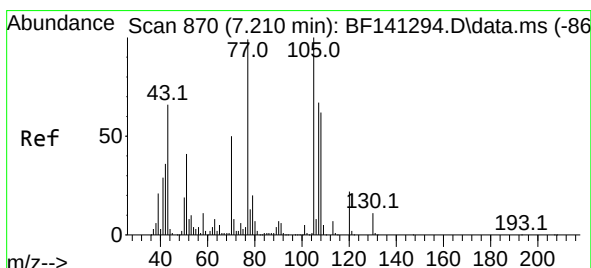
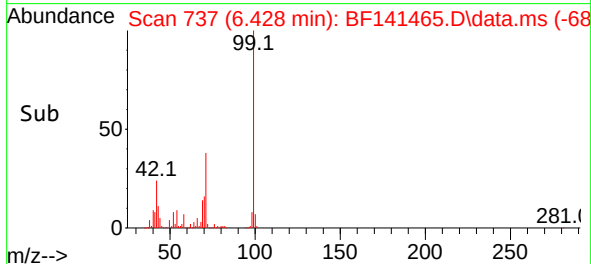
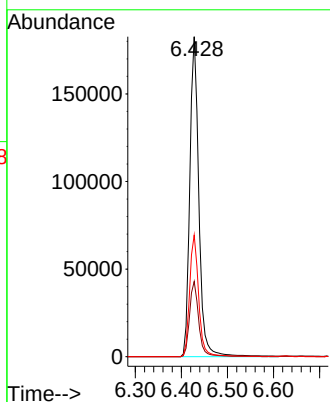
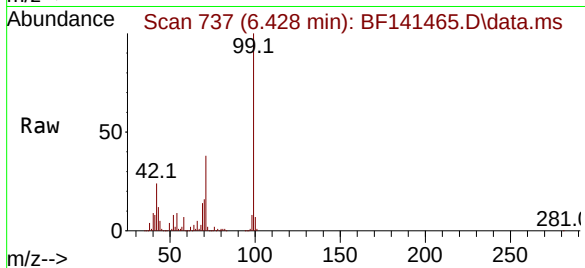
Instrument :

BNA_F

ClientSampleId :

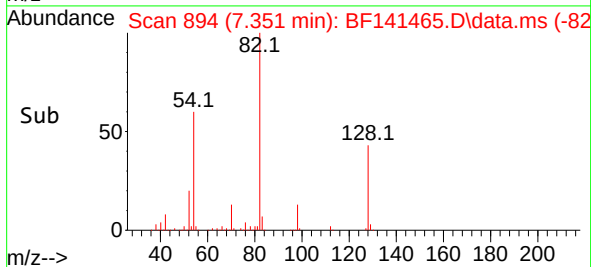
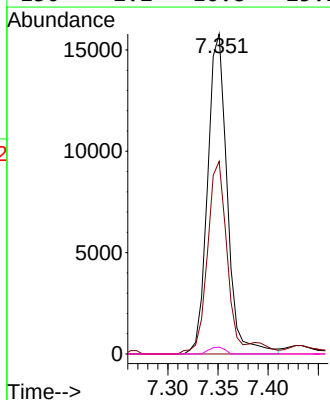
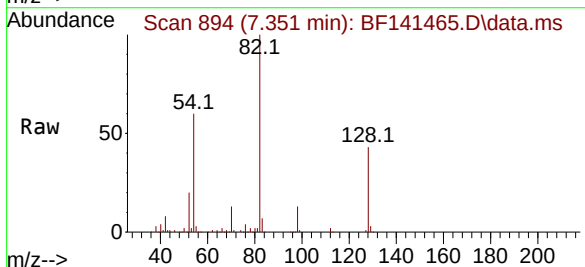
JPP-16.2-012725

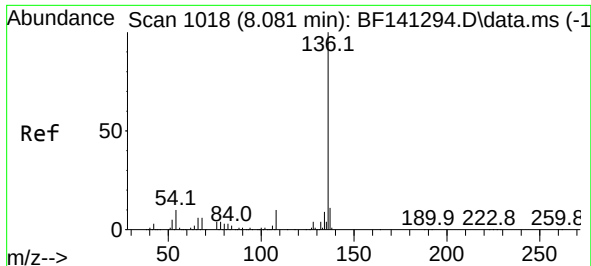
Tgt Ion: 99 Resp: 248752
Ion Ratio Lower Upper
99 100
42 23.5 17.1 25.7
71 38.0 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 6.920 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.123 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

Tgt Ion: 70 Resp: 21525
Ion Ratio Lower Upper
70 100
42 60.2 56.8 85.2
101 0.0 7.7 11.5#
130 2.2 16.8 25.2#

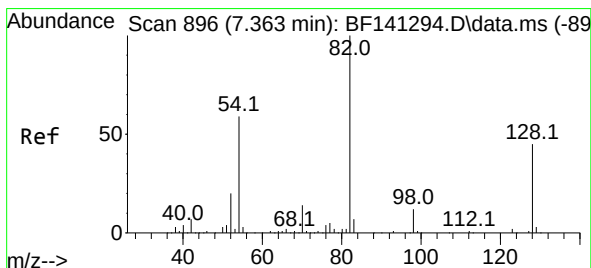
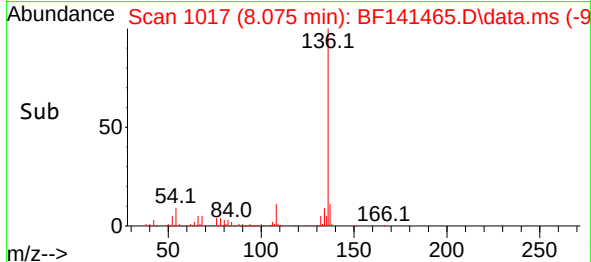
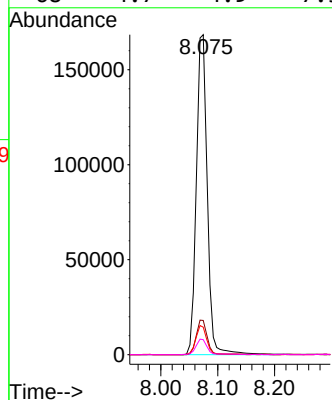
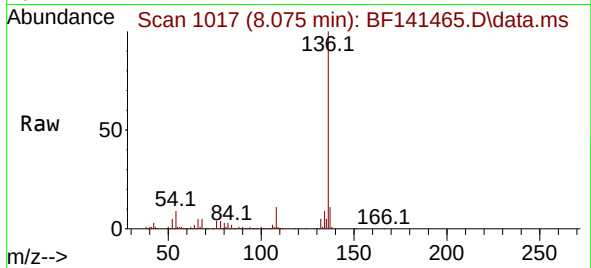




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

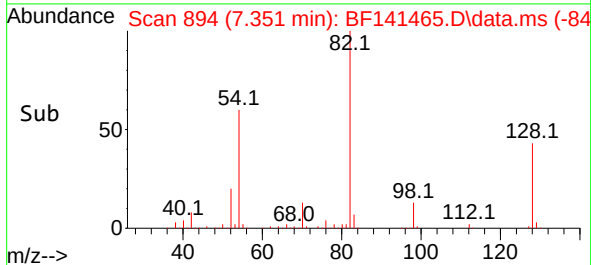
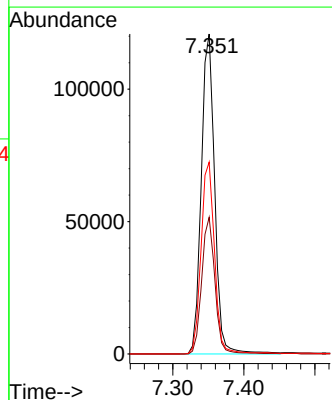
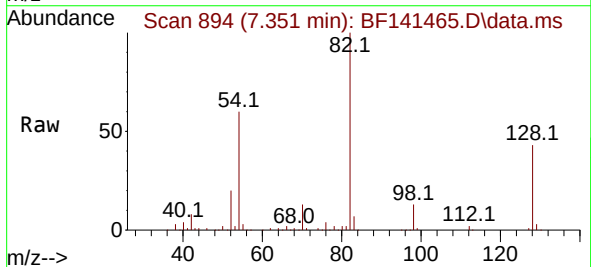
Instrument :
BNA_F
ClientSampleId :
JPP-16.2-012725

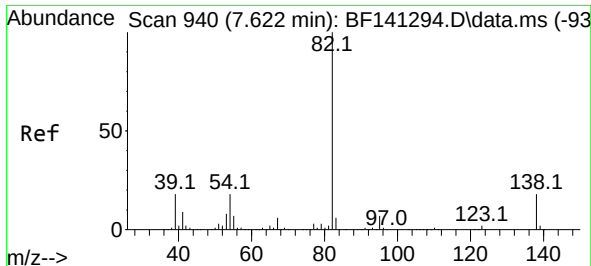
Tgt Ion:136 Resp: 226729
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.6 7.8 11.8
68 4.7 4.9 7.3#



#23
Nitrobenzene-d5
Concen: 36.973 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.018 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

Tgt Ion: 82 Resp: 159016
Ion Ratio Lower Upper
82 100
128 42.7 35.7 53.5
54 60.0 47.1 70.7

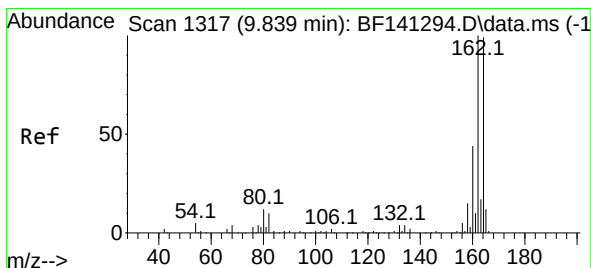
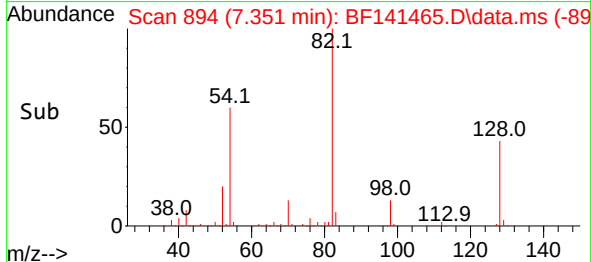
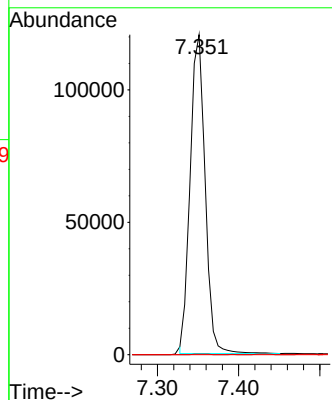
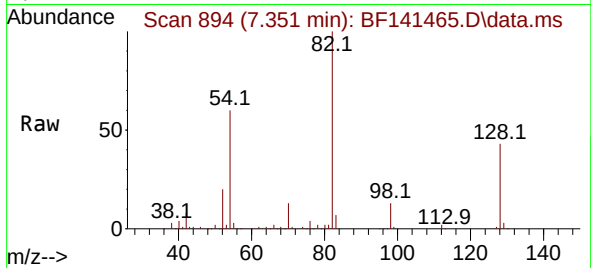




#25
Isophorone
Concen: 20.786 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.277 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

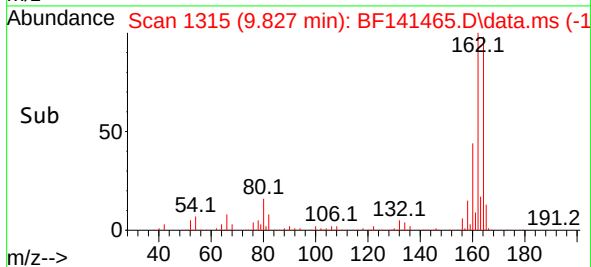
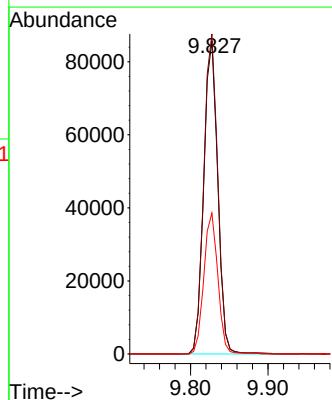
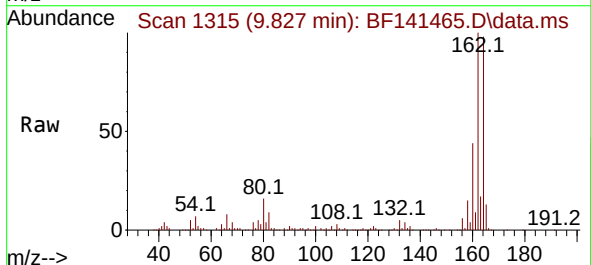
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BNA_F
ClientSampleId :
JPP-16.2-012725

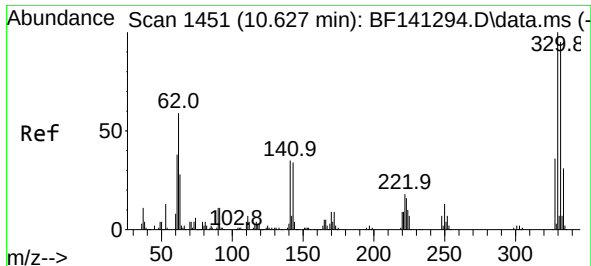
Tgt Ion: 82 Resp: 154531
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.6#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

Tgt Ion: 164 Resp: 107544
Ion Ratio Lower Upper
164 100
162 102.2 80.6 121.0
160 45.0 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 49.144 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.018 min

Lab File: BF141465.D

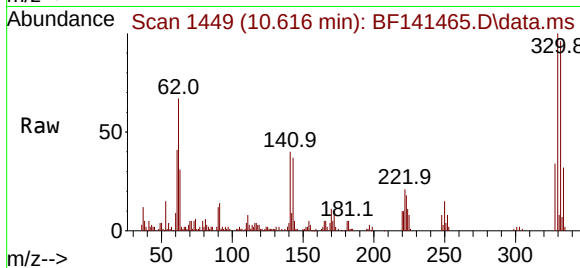
Acq: 05 Feb 2025 23:15

Instrument :

BNA_F

ClientSampleId :

JPP-16.2-012725



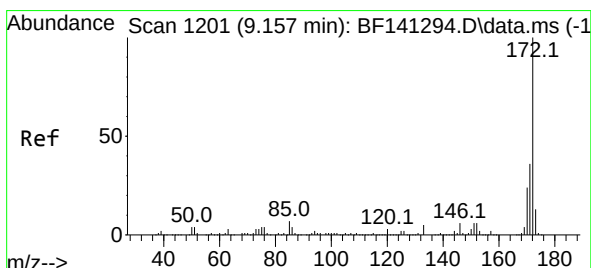
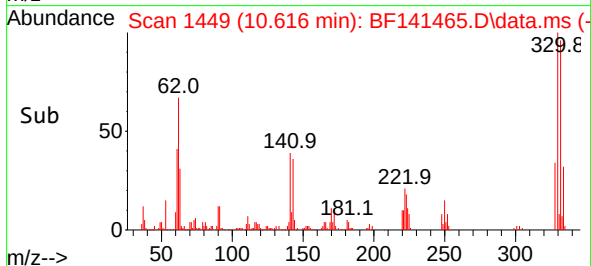
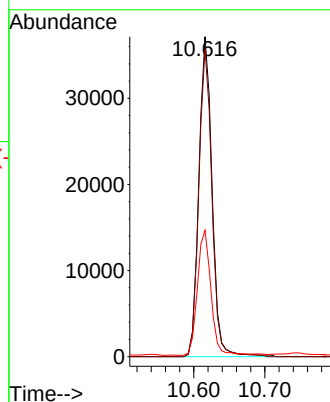
Tgt Ion:330 Resp: 48453

Ion Ratio Lower Upper

330 100

332 95.0 76.1 114.1

141 39.8 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 39.319 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.018 min

Lab File: BF141465.D

Acq: 05 Feb 2025 23:15

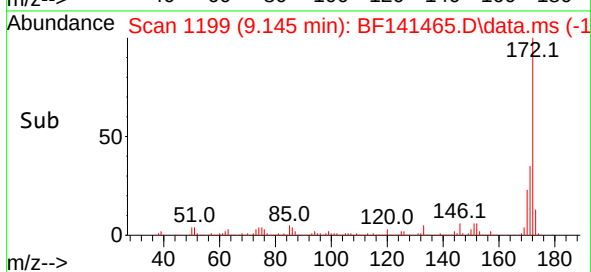
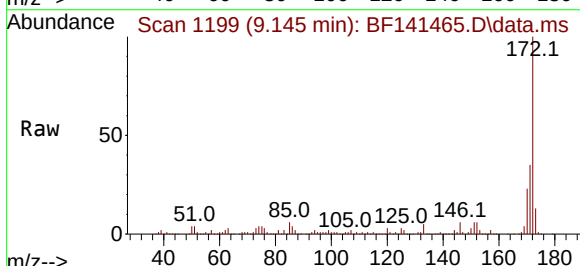
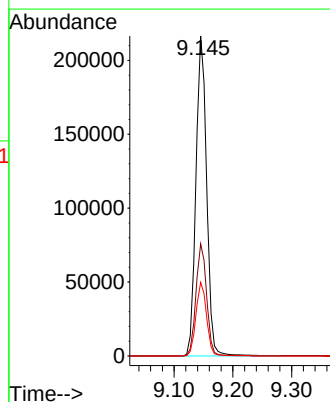
Tgt Ion:172 Resp: 274726

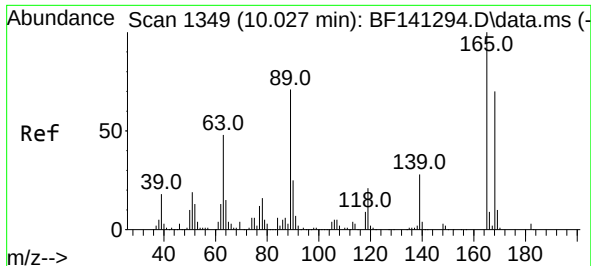
Ion Ratio Lower Upper

172 100

171 35.0 28.8 43.2

170 23.0 19.0 28.6

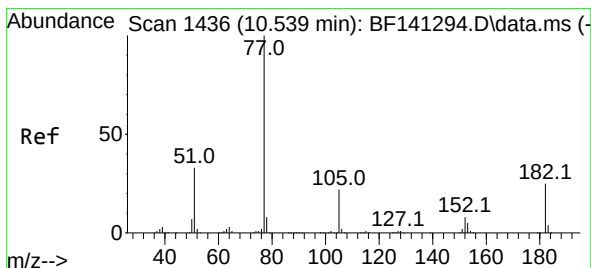
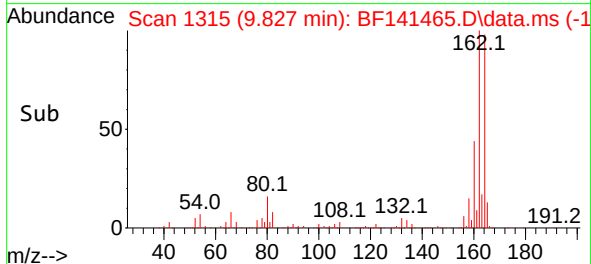
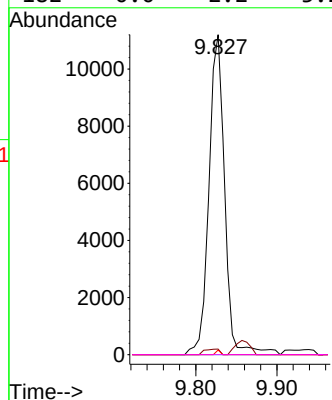
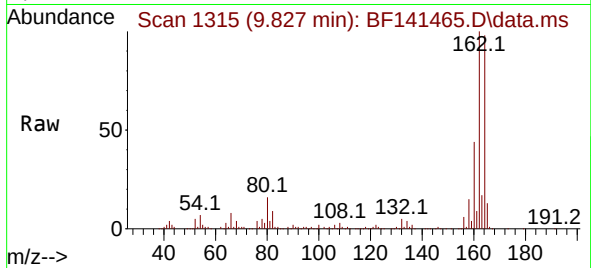




#57
2,4-Dinitrotoluene
Concen: 6.895 ng
RT: 9.827 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

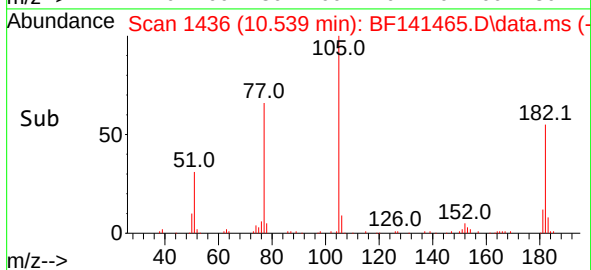
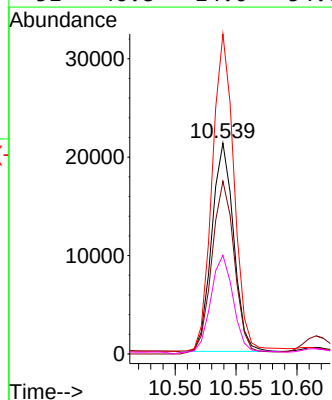
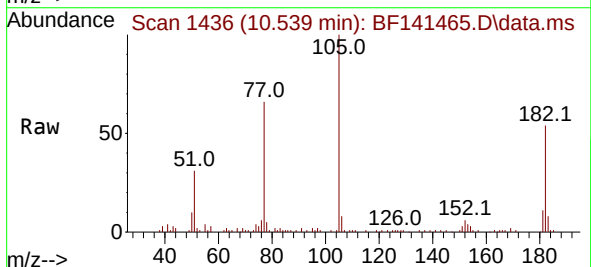
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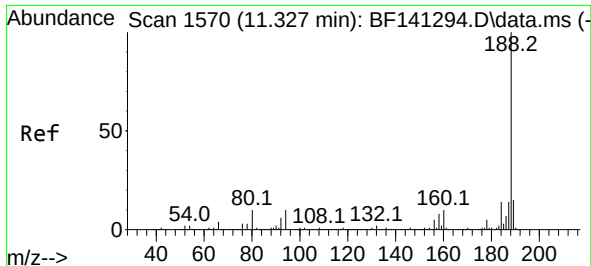
Tgt Ion:165 Resp: 15055
Ion Ratio Lower Upper
165 100
63 1.8 39.2 58.8#
89 1.4 56.9 85.3#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 3.738 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

Tgt Ion: 77 Resp: 26349
Ion Ratio Lower Upper
77 100
182 81.9 5.1 45.1#
105 151.8 1.8 41.8#
51 46.8 14.0 54.0

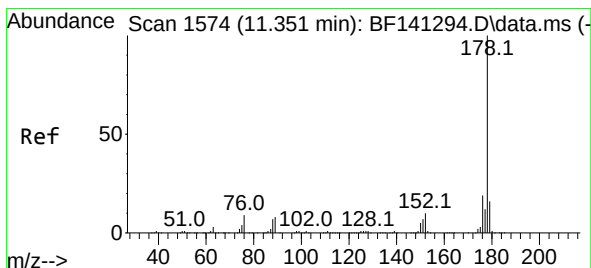
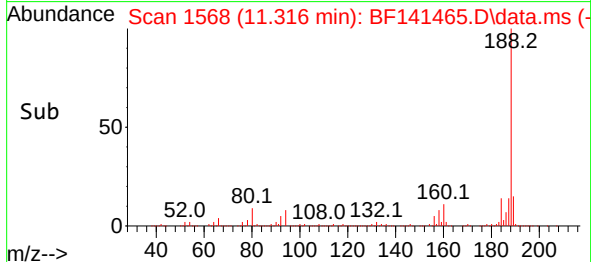
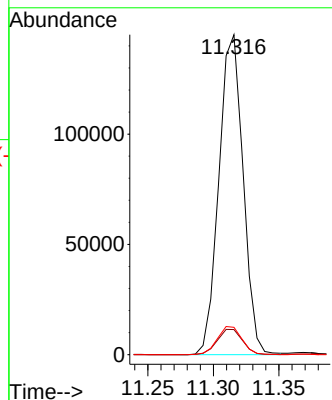
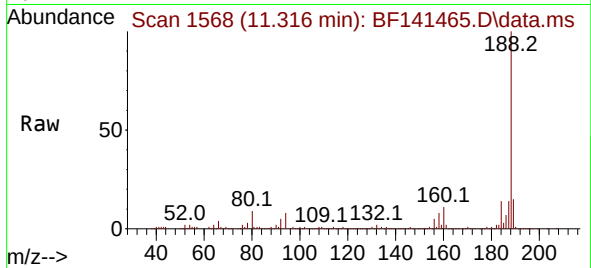




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

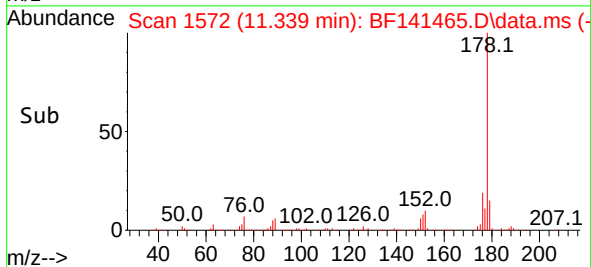
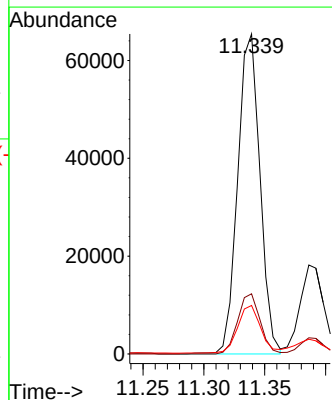
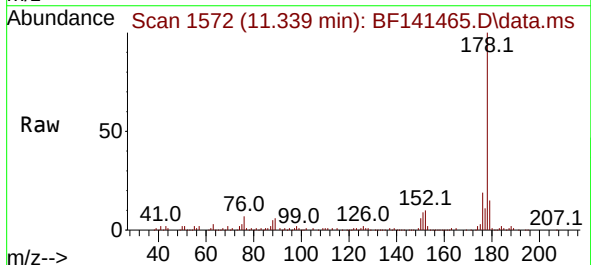
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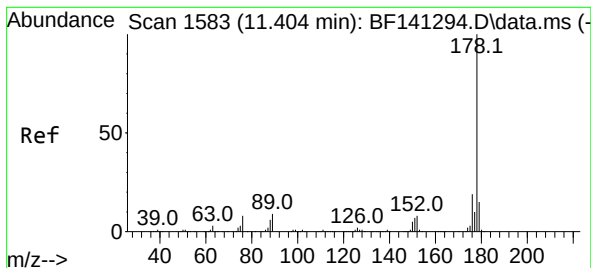
Tgt Ion:188 Resp: 186178
Ion Ratio Lower Upper
188 100
94 7.9 7.8 11.6
80 8.6 8.2 12.4



#71
Phenanthrene
Concen: 8.317 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

Tgt Ion:178 Resp: 83232
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.2 12.5 18.7





#72

Anthracene

Concen: 2.537 ng

RT: 11.386 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141465.D

Acq: 05 Feb 2025 23:15

Instrument :

BNA_F

ClientSampleId :

JPP-16.2-012725

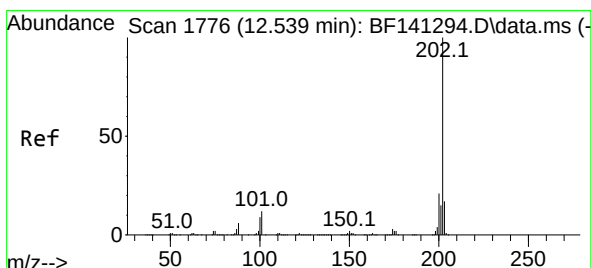
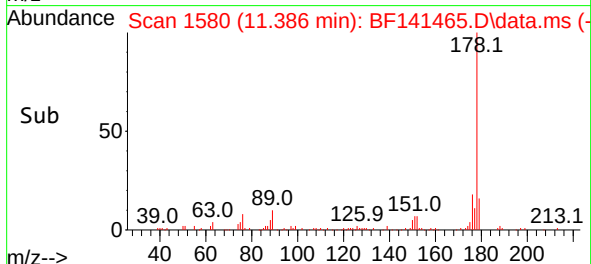
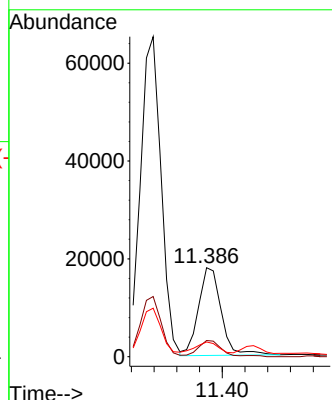
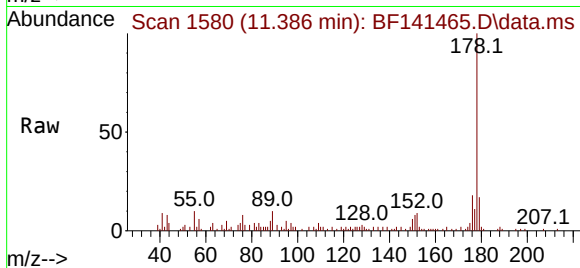
Tgt Ion:178 Resp: 24878

Ion Ratio Lower Upper

178 100

176 18.2 15.0 22.6

179 16.5 12.3 18.5



#75

Fluoranthene

Concen: 16.231 ng

RT: 12.527 min Scan# 1774

Delta R.T. -0.012 min

Lab File: BF141465.D

Acq: 05 Feb 2025 23:15

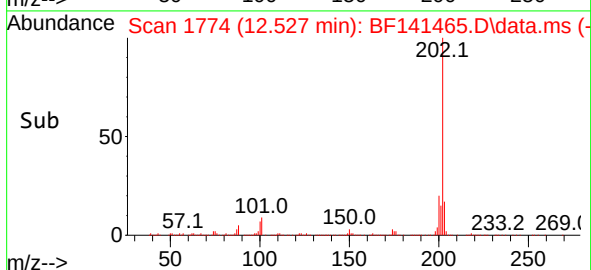
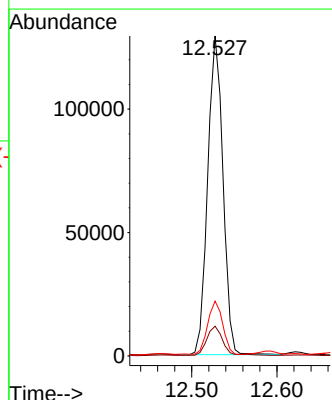
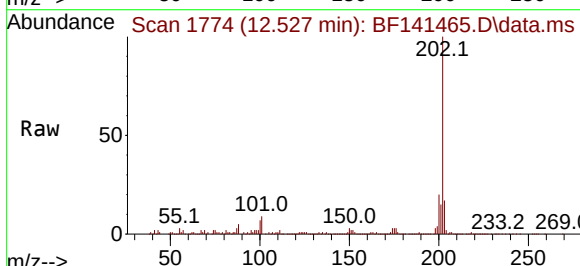
Tgt Ion:202 Resp: 160391

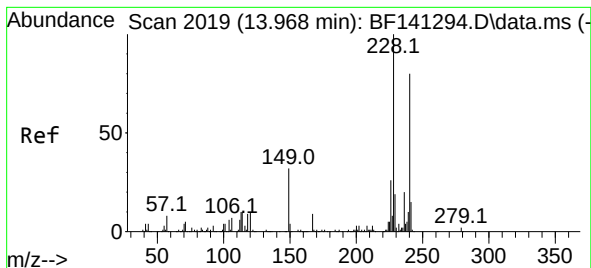
Ion Ratio Lower Upper

202 100

101 9.3 0.0 31.7

203 17.2 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF141465.D

Acq: 05 Feb 2025 23:15

Instrument :

BNA_F

ClientSampleId :

JPP-16.2-012725

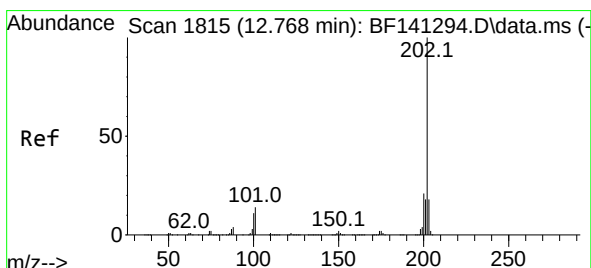
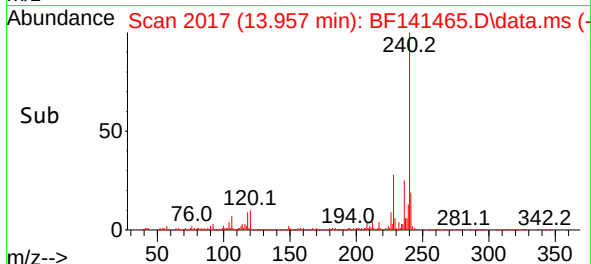
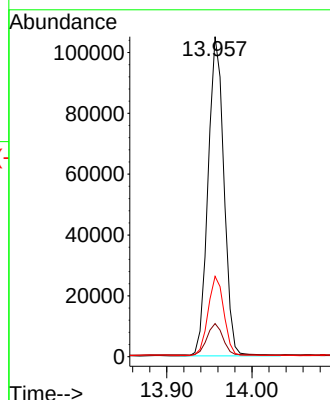
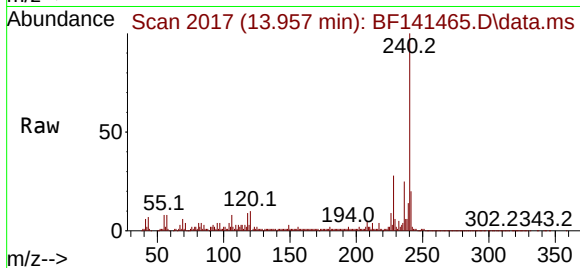
Tgt Ion:240 Resp: 135658

Ion Ratio Lower Upper

240 100

120 10.4 10.0 15.0

236 25.1 19.7 29.5



#78

Pyrene

Concen: 12.310 ng

RT: 12.757 min Scan# 1813

Delta R.T. -0.012 min

Lab File: BF141465.D

Acq: 05 Feb 2025 23:15

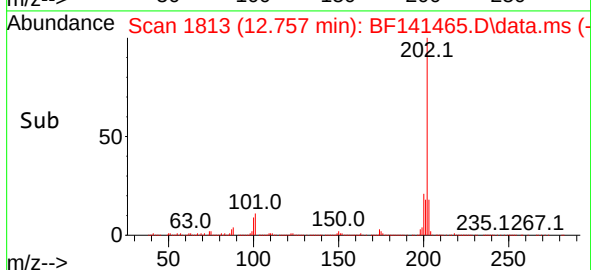
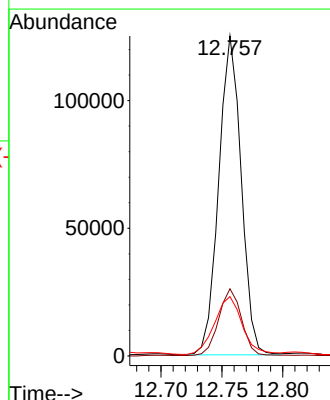
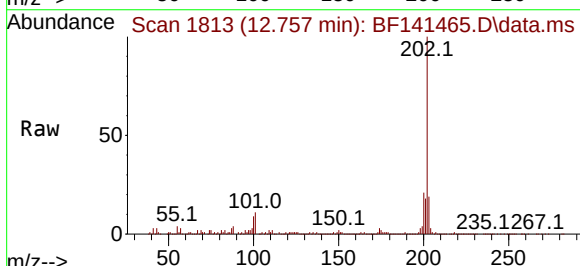
Tgt Ion:202 Resp: 160295

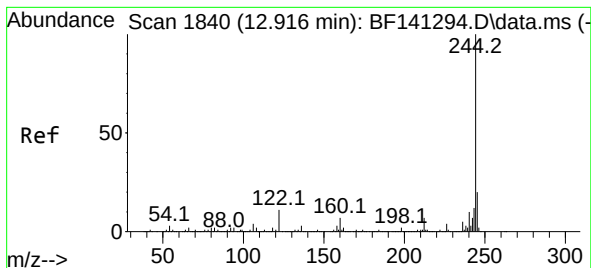
Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.4

203 18.5 14.3 21.5





#79

Terphenyl-d14

Concen: 35.555 ng

RT: 12.904 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141465.D

Acq: 05 Feb 2025 23:15

Instrument :

BNA_F

ClientSampleId :

JPP-16.2-012725

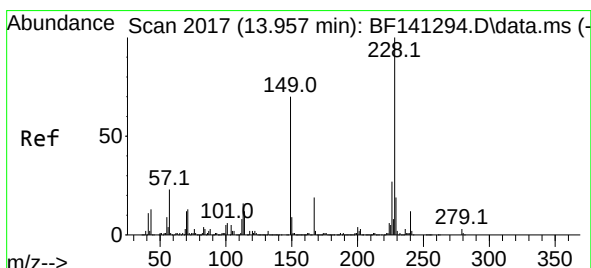
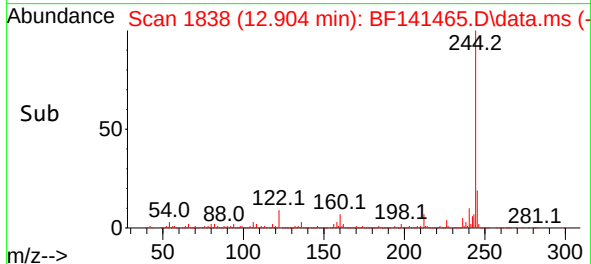
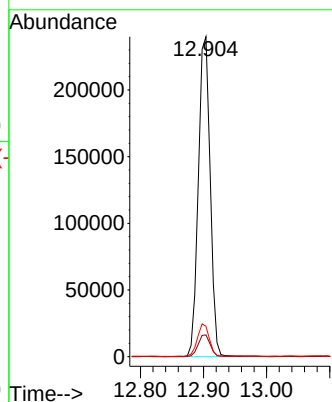
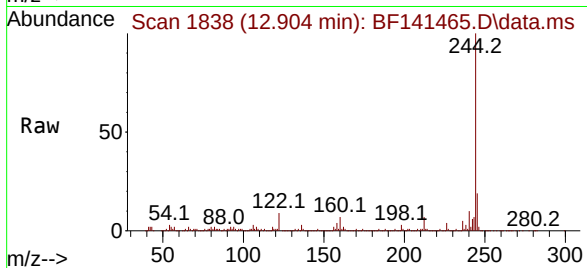
Tgt Ion:244 Resp: 312760

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 9.5 8.8 13.2



#81

Benzo(a)anthracene

Concen: 7.638 ng

RT: 13.945 min Scan# 2015

Delta R.T. -0.018 min

Lab File: BF141465.D

Acq: 05 Feb 2025 23:15

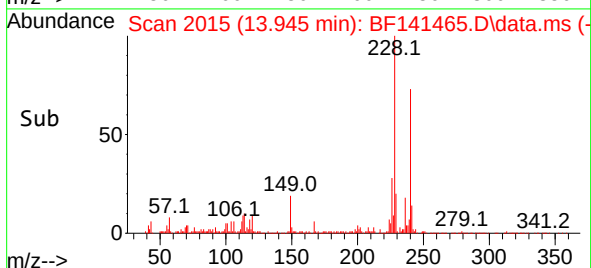
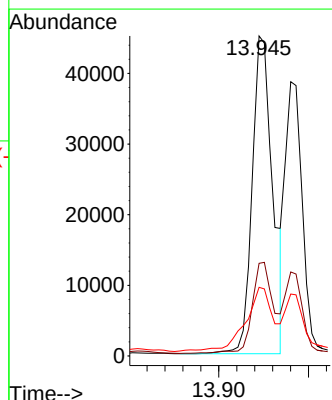
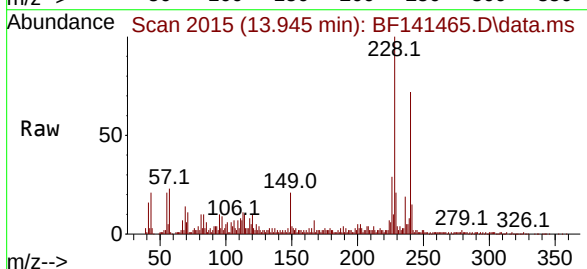
Tgt Ion:228 Resp: 71505

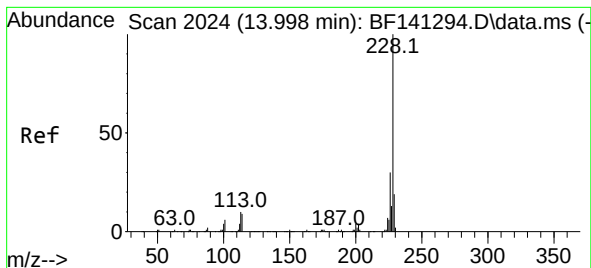
Ion Ratio Lower Upper

228 100

226 28.9 21.4 32.2

229 21.5 15.5 23.3





#83

Chrysene

Concen: 5.891 ng

RT: 13.980 min Scan# 2014

Delta R.T. -0.018 min

Lab File: BF141465.D

Acq: 05 Feb 2025 23:15

Instrument :

BNA_F

ClientSampleId :

JPP-16.2-012725

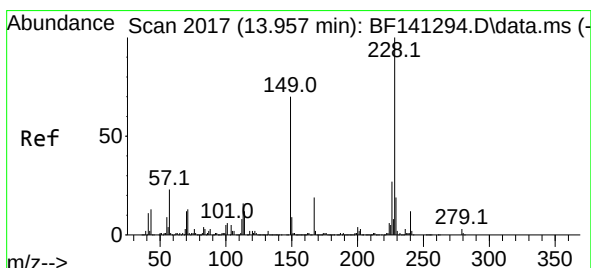
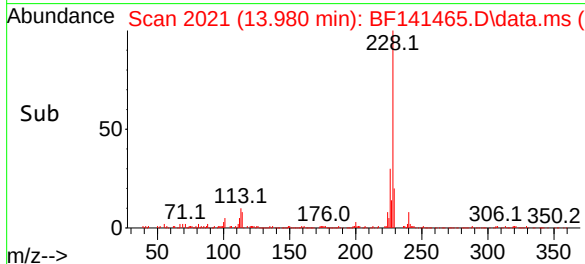
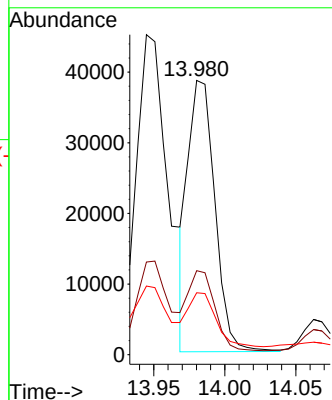
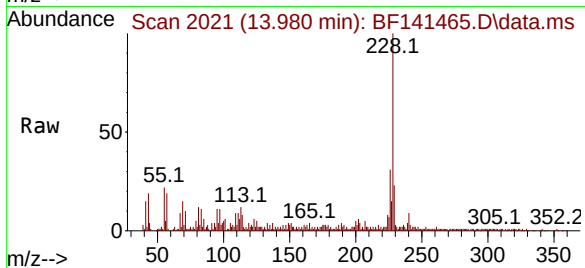
Tgt Ion:228 Resp: 50540

Ion Ratio Lower Upper

228 100

226 30.6 24.1 36.1

229 22.6 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.005 ng

RT: 13.939 min Scan# 2014

Delta R.T. -0.018 min

Lab File: BF141465.D

Acq: 05 Feb 2025 23:15

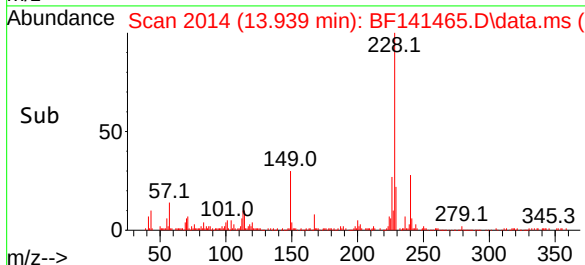
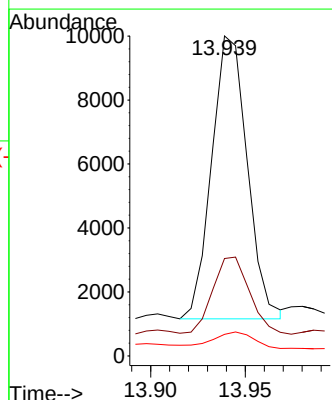
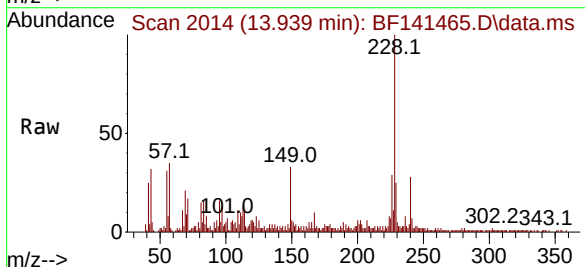
Tgt Ion:149 Resp: 11573

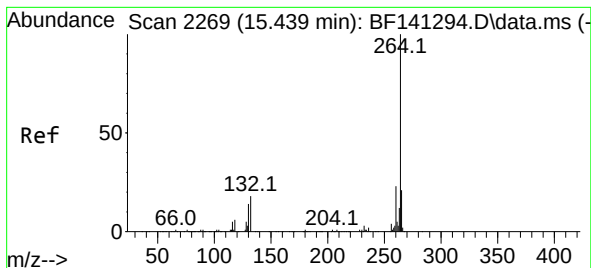
Ion Ratio Lower Upper

149 100

167 30.4 21.8 32.8

279 6.7 3.3 4.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF141465.D

Acq: 05 Feb 2025 23:15

Instrument :

BNA_F

ClientSampleId :

JPP-16.2-012725

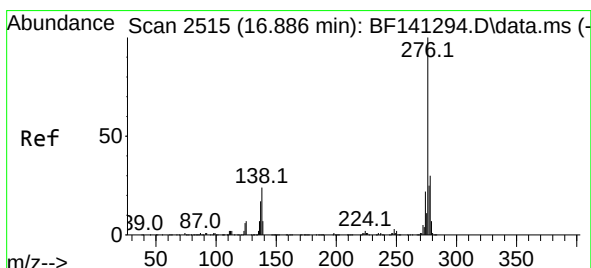
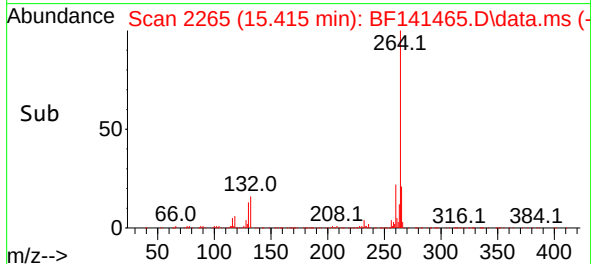
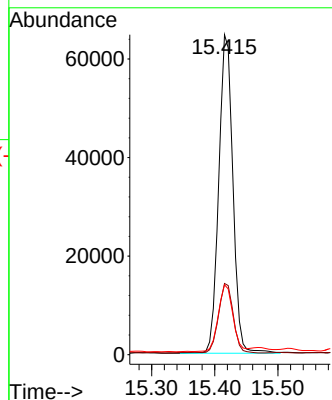
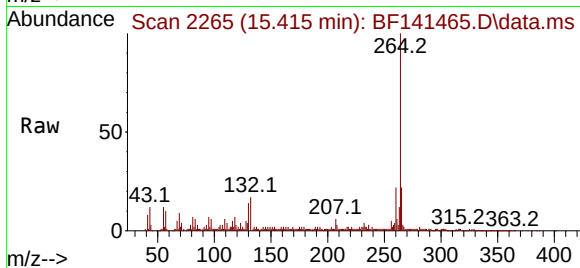
Tgt Ion:264 Resp: 100723

Ion Ratio Lower Upper

264 100

260 22.3 18.6 27.8

265 21.9 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.426 ng

RT: 16.856 min Scan# 2510

Delta R.T. -0.041 min

Lab File: BF141465.D

Acq: 05 Feb 2025 23:15

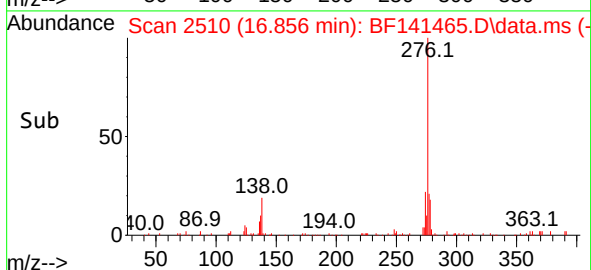
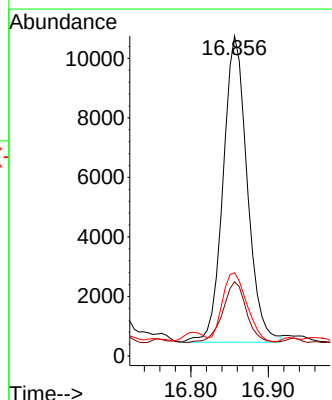
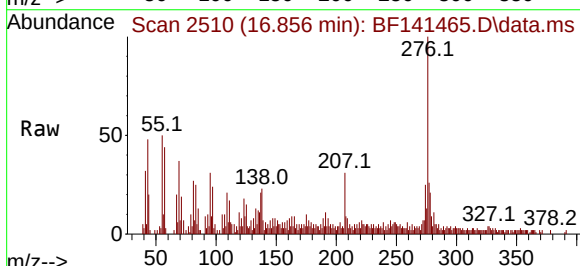
Tgt Ion:276 Resp: 22270

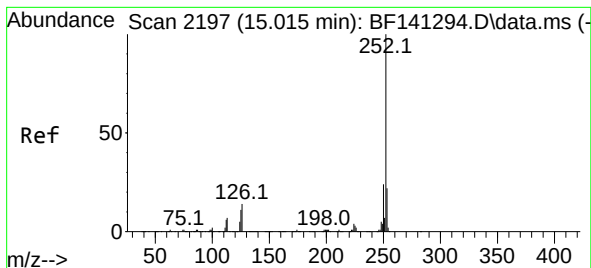
Ion Ratio Lower Upper

276 100

138 19.4 21.7 32.5#

277 23.0 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 11.835 ng

RT: 14.998 min Scan# 2194

Delta R.T. -0.024 min

Lab File: BF141465.D

Acq: 05 Feb 2025 23:15

Instrument :

BNA_F

ClientSampleId :

JPP-16.2-012725

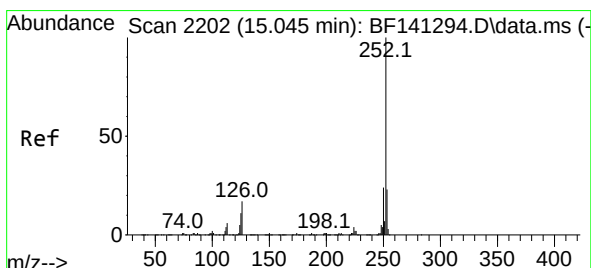
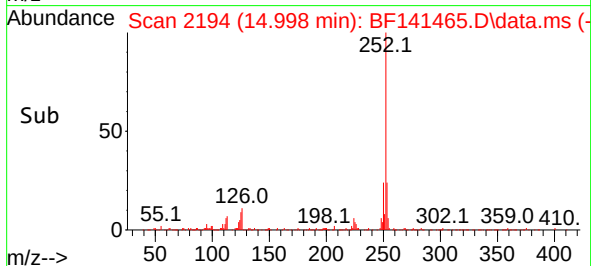
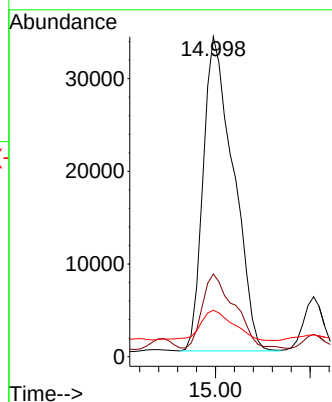
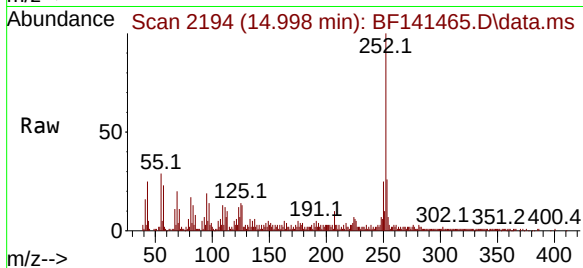
Tgt Ion:252 Resp: 74986

Ion Ratio Lower Upper

252 100

253 25.8 17.4 26.2

125 14.5 8.6 12.8#



#89

Benzo(k)fluoranthene

Concen: 13.360 ng

RT: 14.998 min Scan# 2194

Delta R.T. -0.053 min

Lab File: BF141465.D

Acq: 05 Feb 2025 23:15

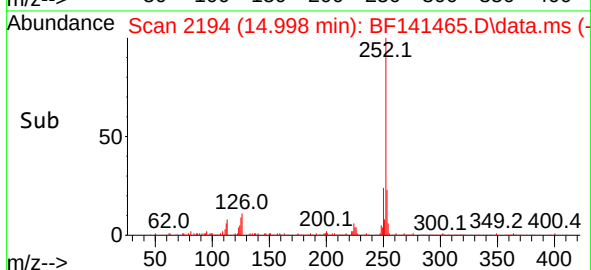
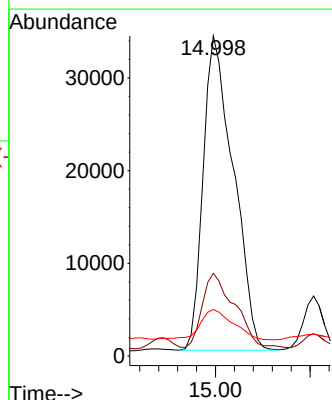
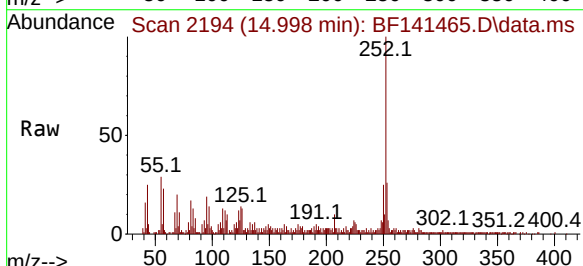
Tgt Ion:252 Resp: 74986

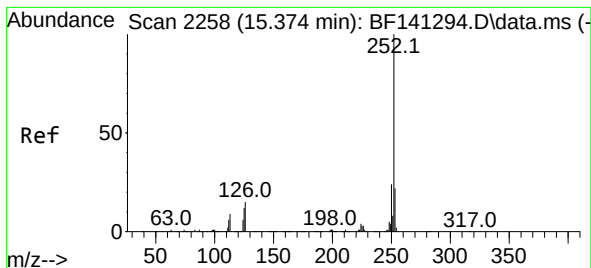
Ion Ratio Lower Upper

252 100

253 25.8 17.6 26.4

125 14.5 8.4 12.6#





#90

Benzo(a)pyrene

Concen: 7.874 ng

RT: 15.357 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF141465.D

Acq: 05 Feb 2025 23:15

Instrument :

BNA_F

ClientSampleId :

JPP-16.2-012725

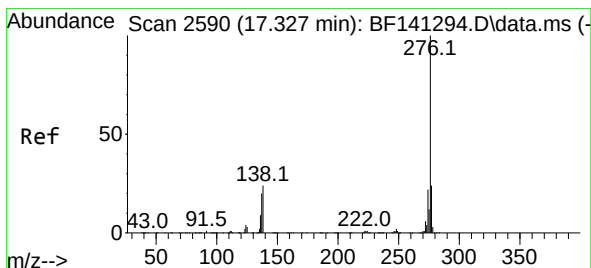
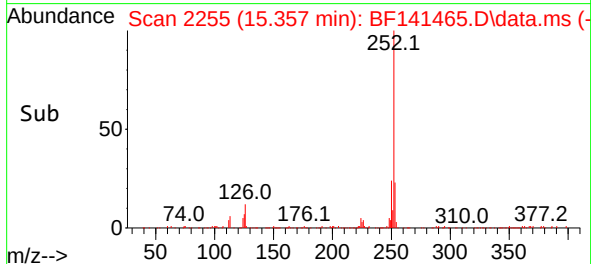
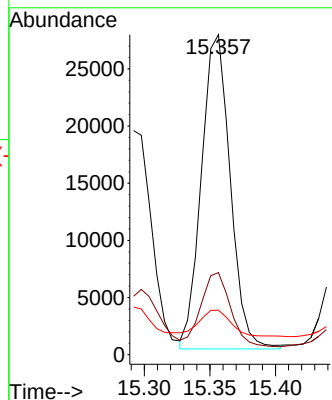
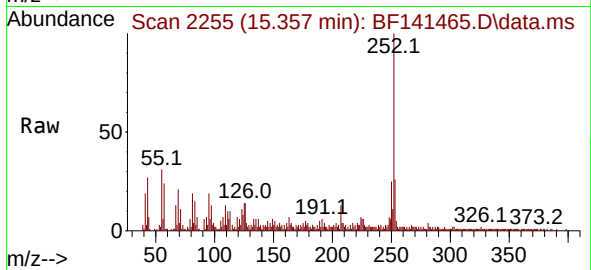
Tgt Ion:252 Resp: 42158

Ion Ratio Lower Upper

252 100

253 25.6 17.2 25.8

125 13.9 9.4 14.2



#92

Benzo(g,h,i)perylene

Concen: 4.128 ng

RT: 17.292 min Scan# 2584

Delta R.T. -0.053 min

Lab File: BF141465.D

Acq: 05 Feb 2025 23:15

Tgt Ion:276 Resp: 22451

Ion Ratio Lower Upper

276 100

277 29.6 19.2 28.8#

138 22.3 19.0 28.4

