

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141464.D
 Acq On : 05 Feb 2025 22:49
 Operator : RC/JU
 Sample : Q1207-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-5.1-012725

Quant Time: Feb 06 01:50:29 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)

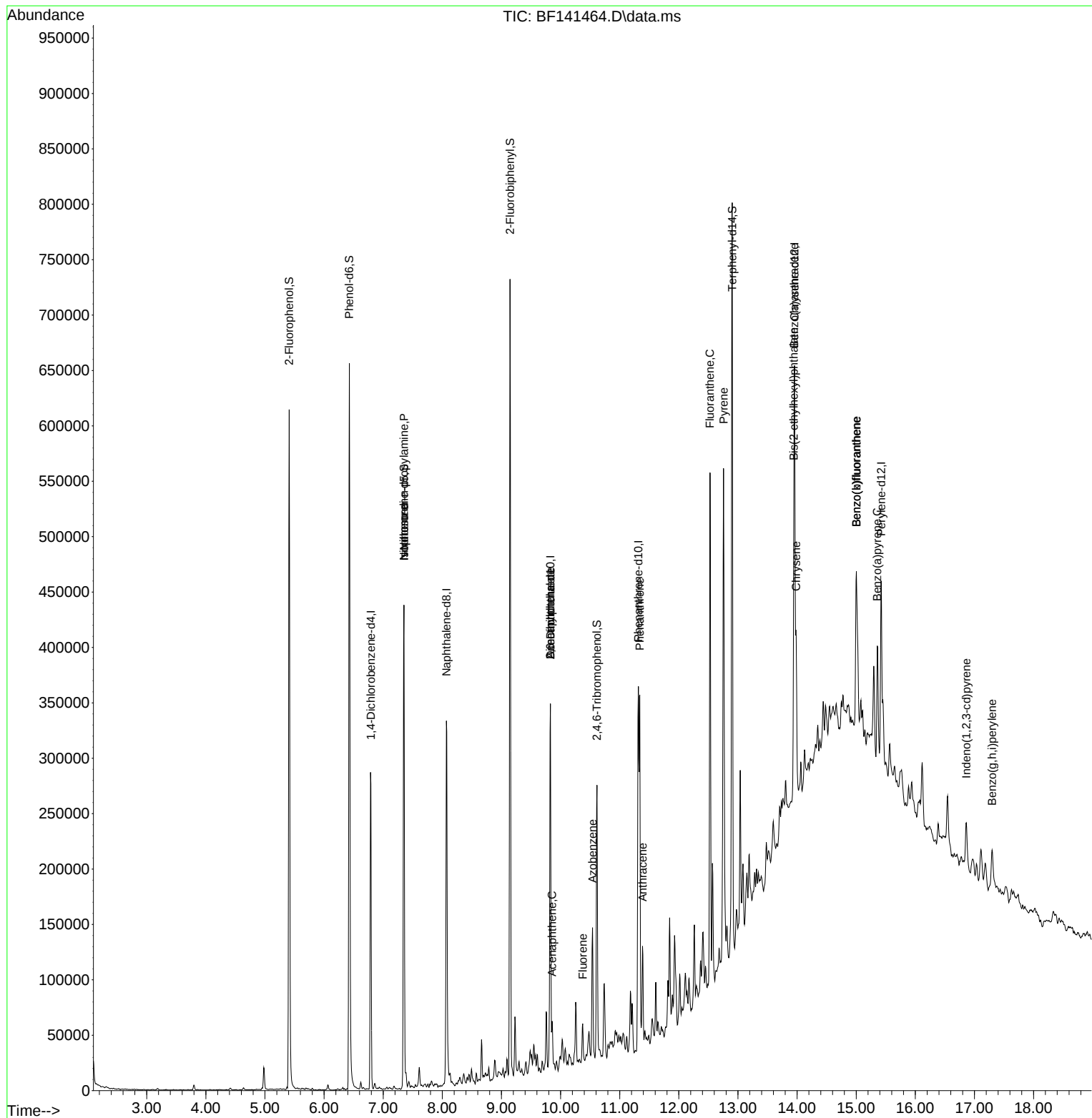
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	59021	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	209153	20.000	ng	-0.02
39) Acenaphthene-d10	9.828	164	95113	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	162078	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	126468	20.000	ng	-0.02
86) Perylene-d12	15.421	264	93403	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	226196	58.836	ng	0.00
7) Phenol-d6	6.428	99	286818	58.645	ng	-0.01
23) Nitrobenzene-d5	7.351	82	185675	46.799	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	36383	41.725	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	303661	49.141	ng	-0.02
79) Terphenyl-d14	12.904	244	327648	39.954	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	25637	8.822	ng	# 78
25) Isophorone	7.351	82	183652	26.778	ng	# 64
50) Dimethylphthalate	9.828	163	14848	2.311	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	13077	8.767	ng	# 25
52) Acenaphthene	9.857	154	12099	2.093	ng	96
58) Fluorene	10.375	166	13386	2.230	ng	97
63) Azobenzene	10.539	77	27227	4.367	ng	# 1
71) Phenanthrene	11.339	178	171494	19.684	ng	99
72) Anthracene	11.386	178	53961	6.321	ng	99
75) Fluoranthene	12.527	202	260914	30.330	ng	97
78) Pyrene	12.757	202	256124	21.098	ng	99
81) Benzo(a)anthracene	13.951	228	110619	12.675	ng	95
83) Chrysene	13.986	228	78976	9.874	ng	97
84) Bis(2-ethylhexyl)phtha...	13.945	149	11936	2.219	ng	# 93
87) Indeno(1,2,3-cd)pyrene	16.862	276	36951	6.129	ng	# 89
88) Benzo(b)fluoranthene	15.004	252	112644	19.172	ng	# 92
89) Benzo(k)fluoranthene	15.004	252	112644	21.642	ng	# 92
90) Benzo(a)pyrene	15.357	252	63244	12.738	ng	# 92
92) Benzo(g,h,i)perylene	17.298	276	33017	6.547	ng	94

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141464.D
Acq On : 05 Feb 2025 22:49
Operator : RC/JU
Sample : Q1207-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725

Quant Time: Feb 06 01:50:29 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

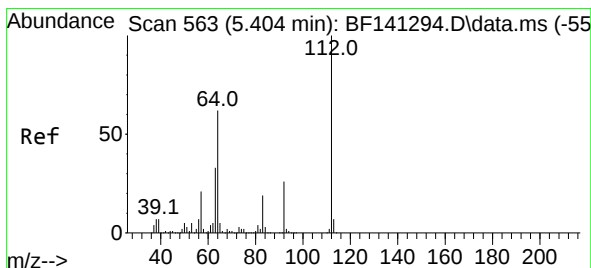
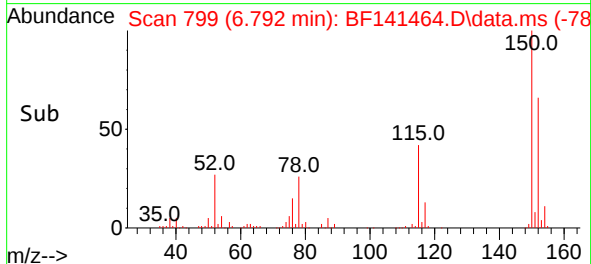
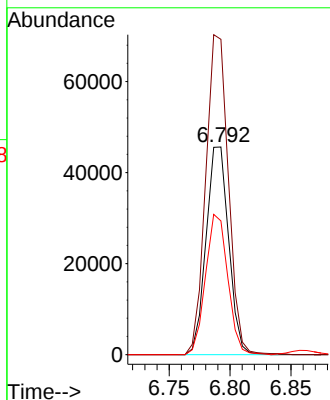
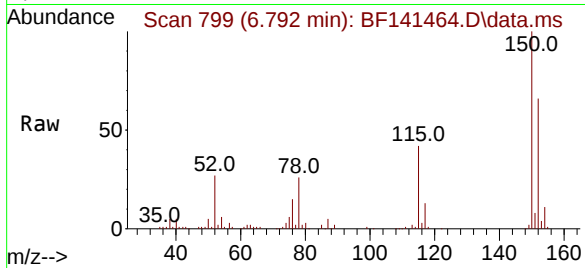




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 799
 Delta R.T. -0.012 min
 Lab File: BF141464.D
 Acq: 05 Feb 2025 22:49

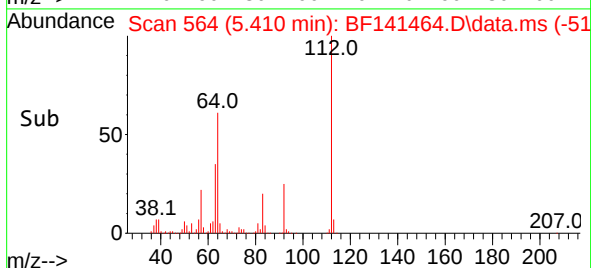
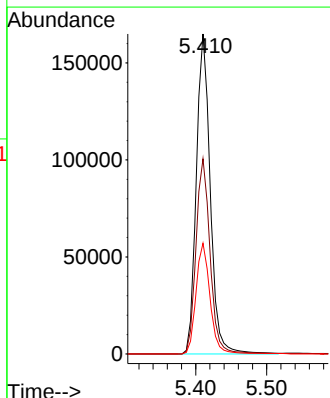
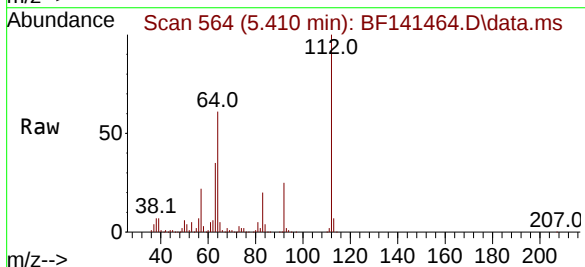
Instrument :
 BNA_F
 ClientSampleId :
 JPP-5.1-012725

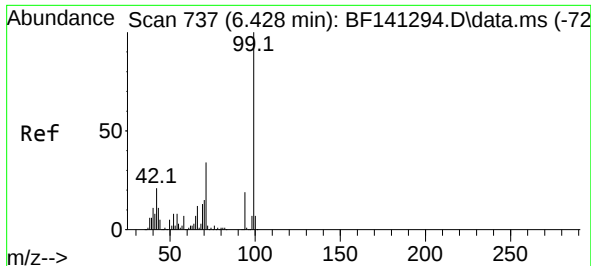
Tgt Ion:152 Resp: 59021
 Ion Ratio Lower Upper
 152 100
 150 151.8 125.9 188.9
 115 64.4 49.7 74.5



#5
 2-Fluorophenol
 Concen: 58.836 ng
 RT: 5.410 min Scan# 564
 Delta R.T. -0.000 min
 Lab File: BF141464.D
 Acq: 05 Feb 2025 22:49

Tgt Ion:112 Resp: 226196
 Ion Ratio Lower Upper
 112 100
 64 61.0 49.8 74.8
 63 34.6 26.1 39.1

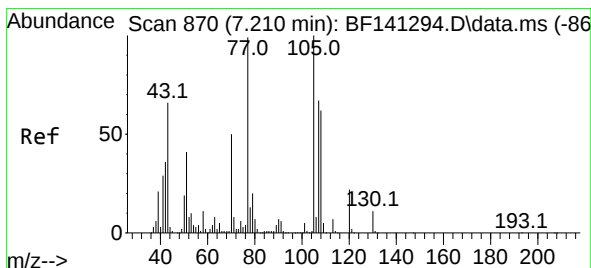
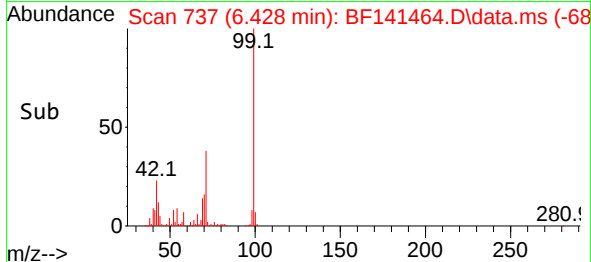
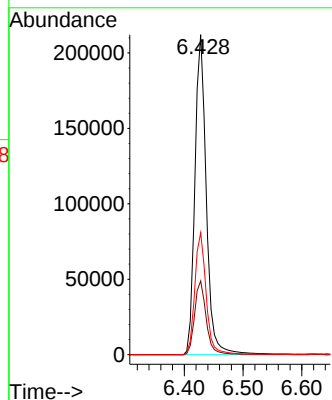
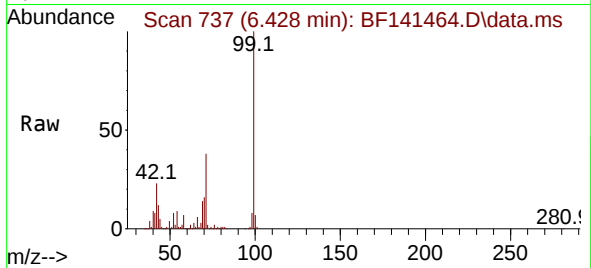




#7
Phenol-d6
Concen: 58.645 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

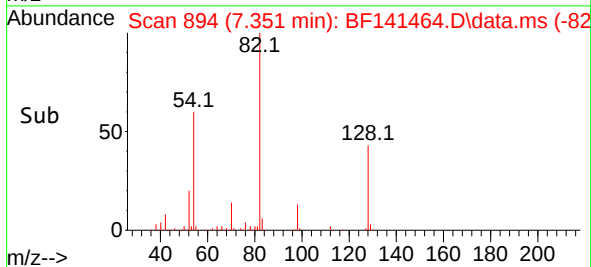
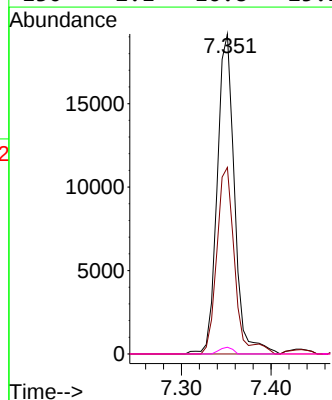
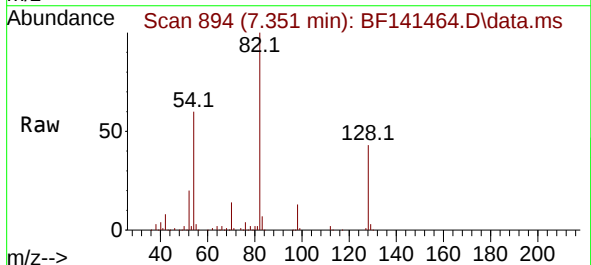
Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725

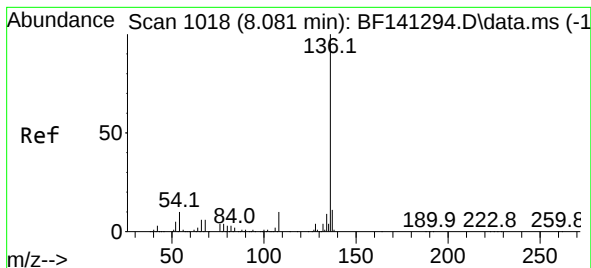
Tgt Ion: 99 Resp: 286818
Ion Ratio Lower Upper
99 100
42 23.1 17.1 25.7
71 38.1 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 8.822 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.123 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

Tgt Ion: 70 Resp: 25637
Ion Ratio Lower Upper
70 100
42 58.3 56.8 85.2
101 0.0 7.7 11.5#
130 2.1 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: BF141464.D

Acq: 05 Feb 2025 22:49

Instrument :

BNA_F

ClientSampleId :

JPP-5.1-012725

Tgt Ion:136 Resp: 209153

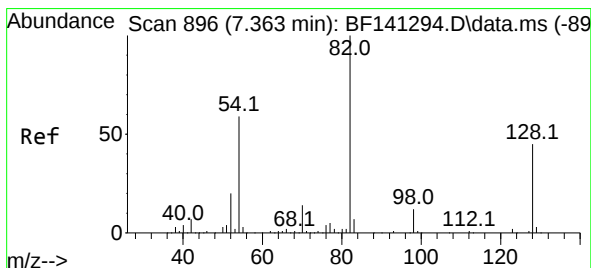
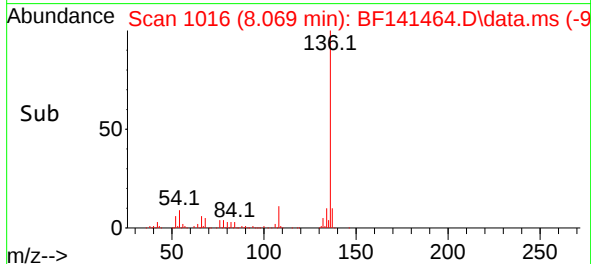
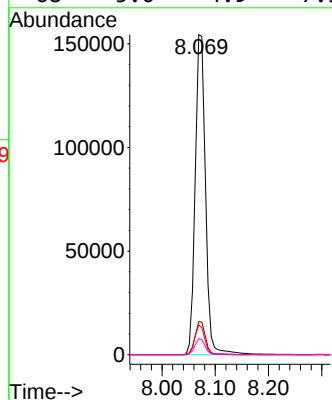
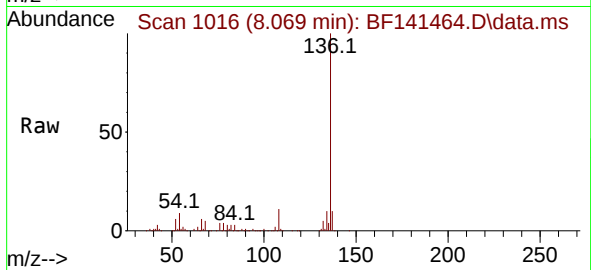
Ion Ratio Lower Upper

136 100

137 10.3 8.6 13.0

54 9.3 7.8 11.8

68 5.0 4.9 7.3



#23

Nitrobenzene-d5

Concen: 46.799 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.018 min

Lab File: BF141464.D

Acq: 05 Feb 2025 22:49

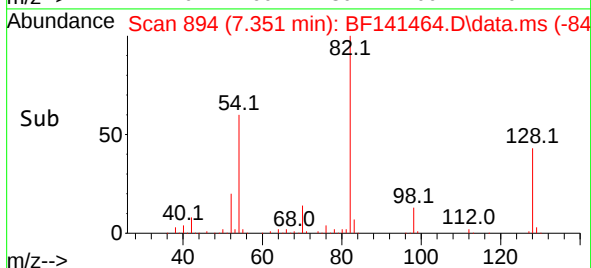
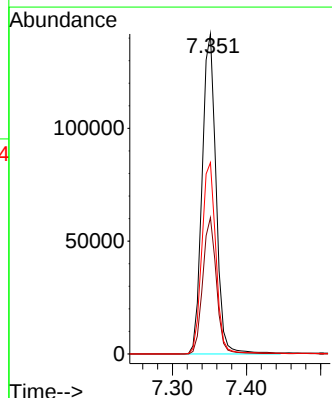
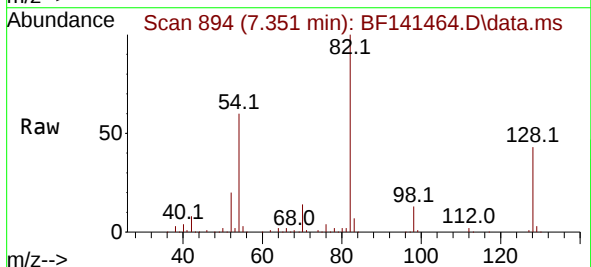
Tgt Ion: 82 Resp: 185675

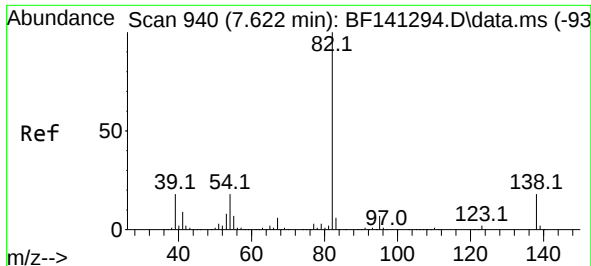
Ion Ratio Lower Upper

82 100

128 42.6 35.7 53.5

54 59.8 47.1 70.7

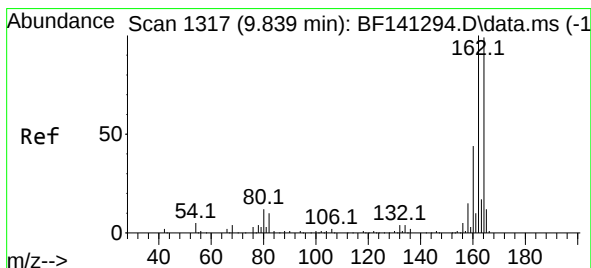
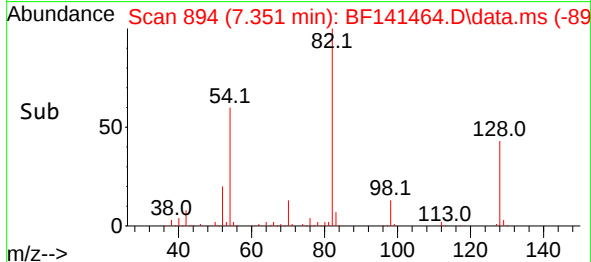
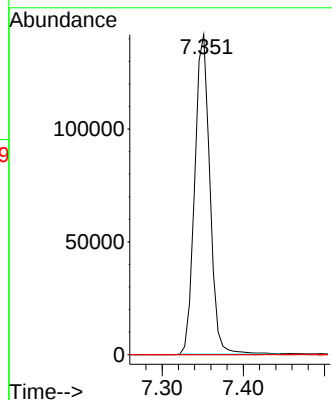
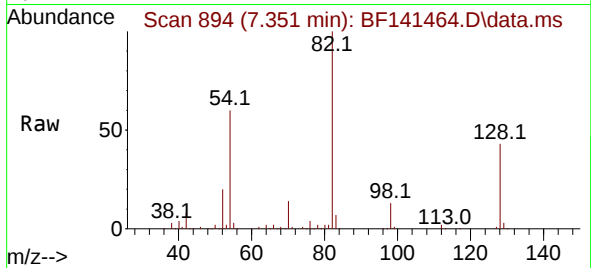




#25
Isophorone
Concen: 26.778 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.277 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

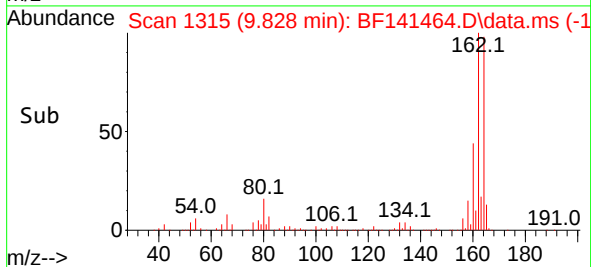
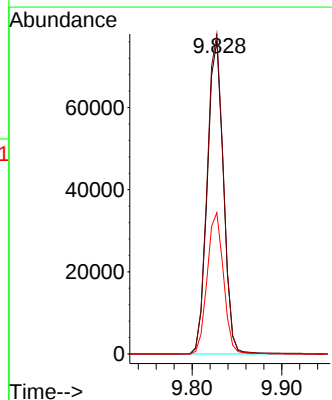
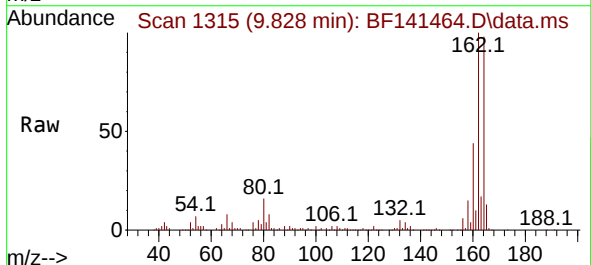
Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725

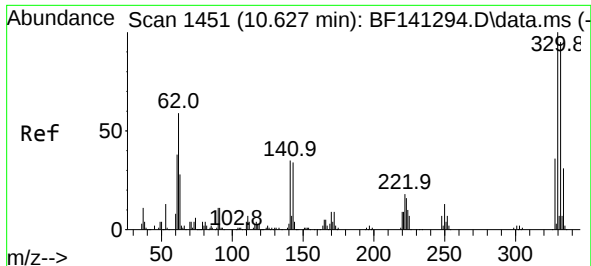
Tgt Ion: 82 Resp: 183652
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

Tgt Ion:164 Resp: 95113
Ion Ratio Lower Upper
164 100
162 102.3 80.6 121.0
160 45.1 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 41.725 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.018 min

Lab File: BF141464.D

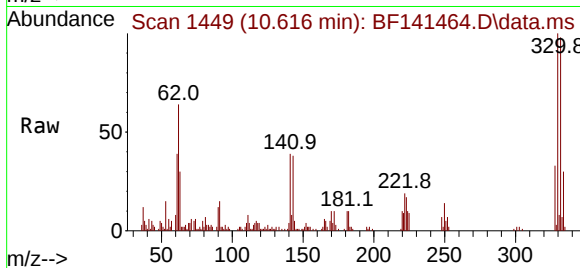
Acq: 05 Feb 2025 22:49

Instrument :

BNA_F

ClientSampleId :

JPP-5.1-012725



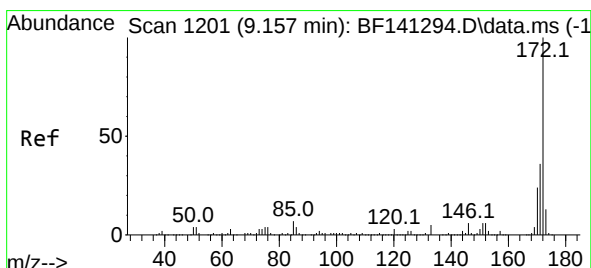
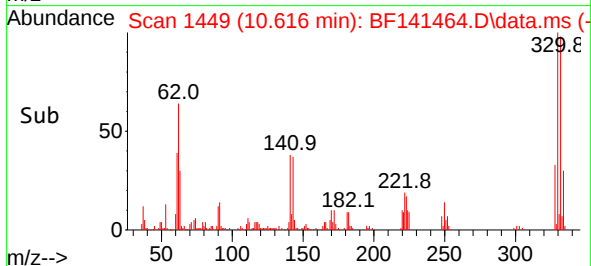
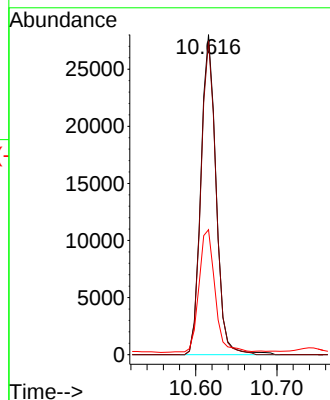
Tgt Ion:330 Resp: 36383

Ion Ratio Lower Upper

330 100

332 97.4 76.1 114.1

141 40.6 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 49.141 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.018 min

Lab File: BF141464.D

Acq: 05 Feb 2025 22:49

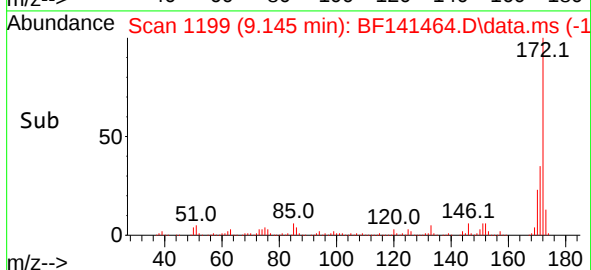
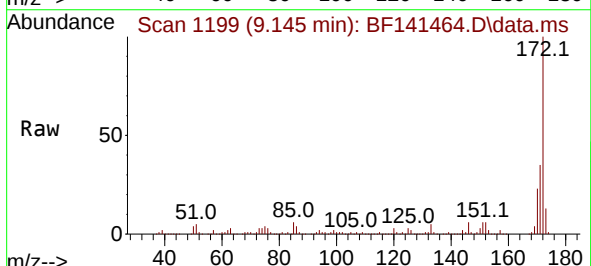
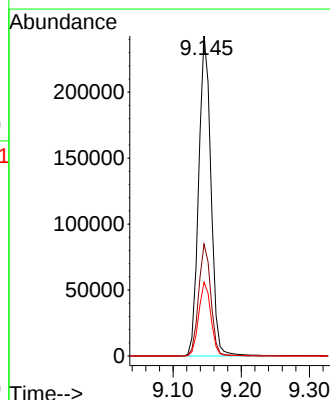
Tgt Ion:172 Resp: 303661

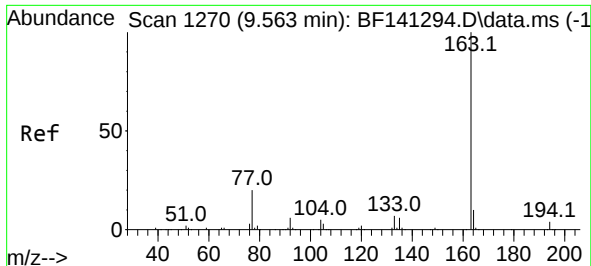
Ion Ratio Lower Upper

172 100

171 34.9 28.8 43.2

170 23.0 19.0 28.6

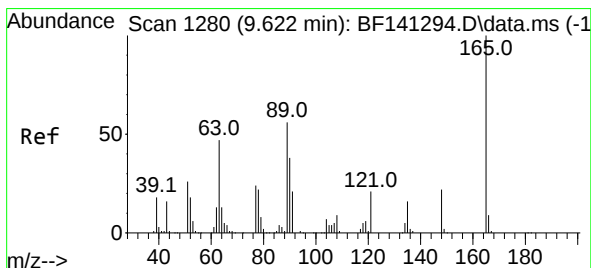
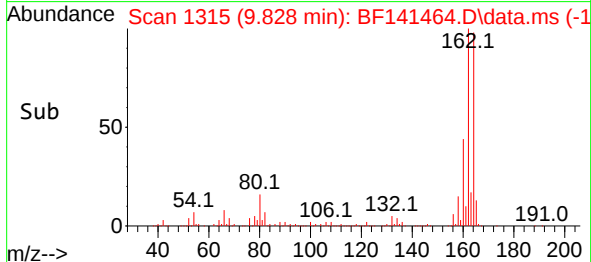
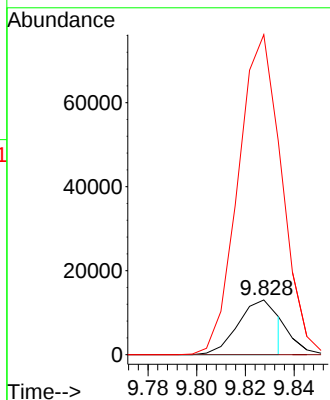
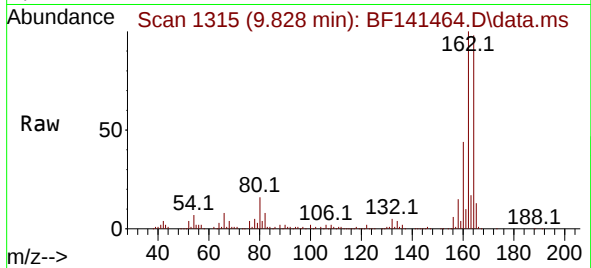




#50
Dimethylphthalate
Concen: 2.311 ng
RT: 9.828 min Scan# 1315
Delta R.T. 0.259 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

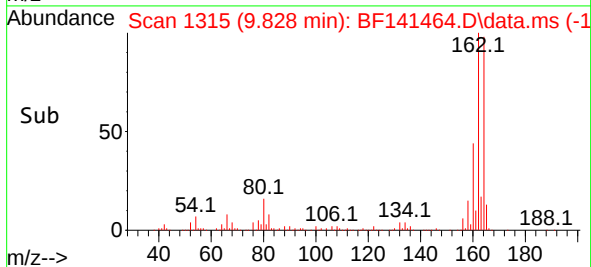
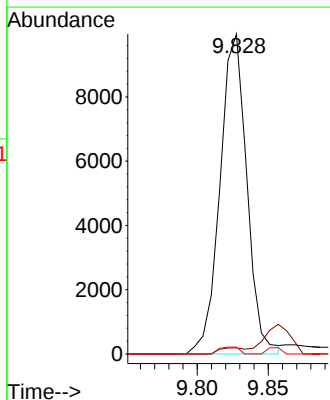
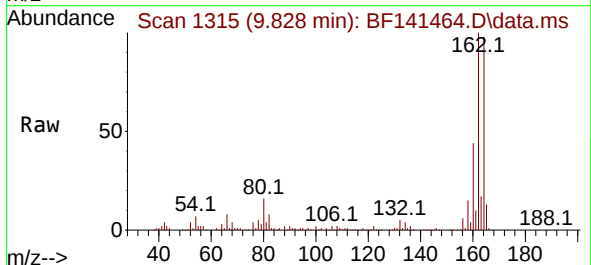
Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725

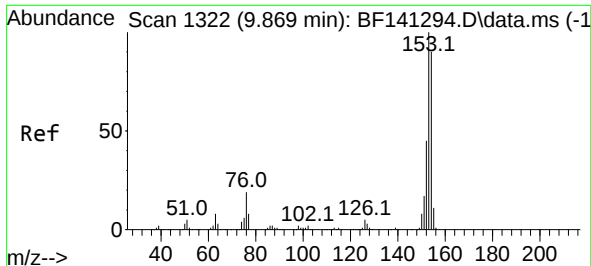
Tgt Ion:163 Resp: 14848
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 585.4 8.0 12.0#



#51
2,6-Dinitrotoluene
Concen: 8.767 ng
RT: 9.828 min Scan# 1315
Delta R.T. 0.200 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

Tgt Ion:165 Resp: 13077
Ion Ratio Lower Upper
165 100
63 1.9 48.1 72.1#
89 2.1 44.9 67.3#

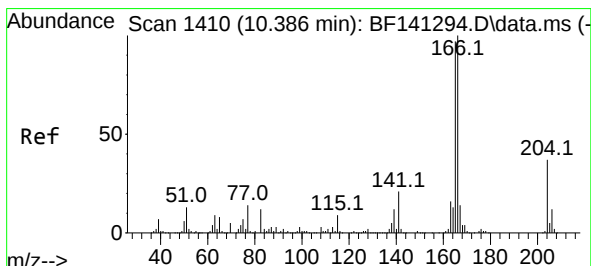
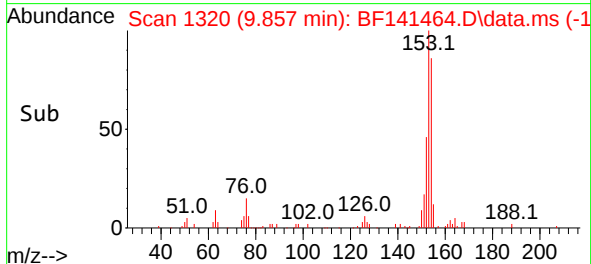
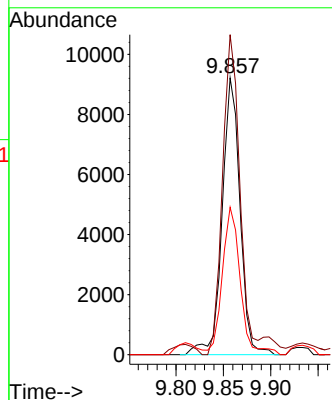
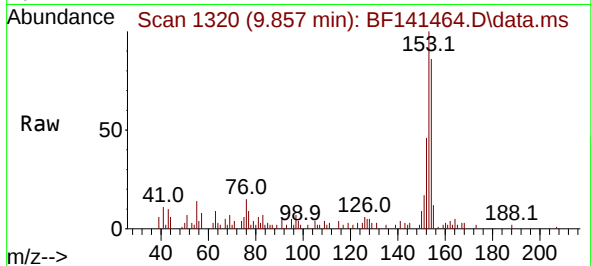




#52
Acenaphthene
Concen: 2.093 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

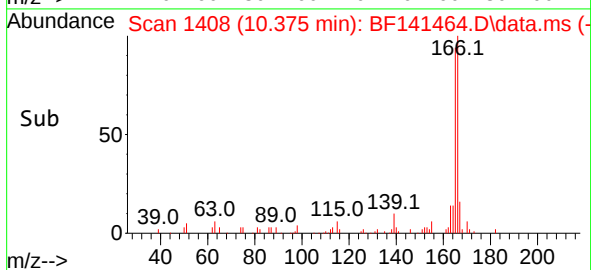
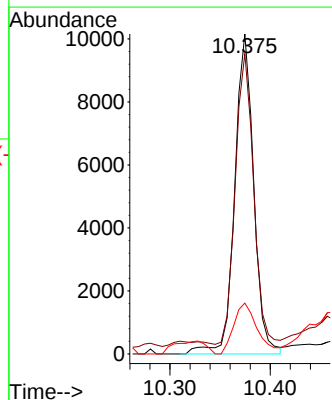
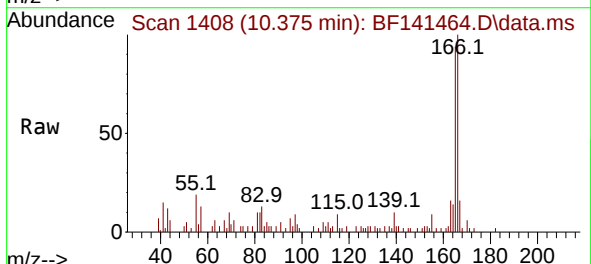
Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725

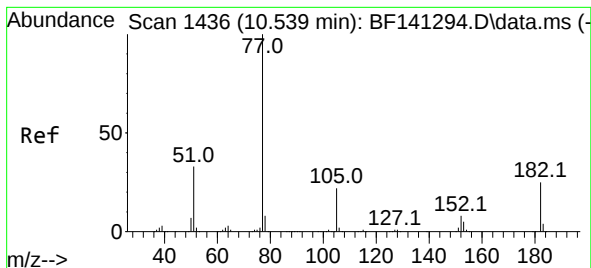
Tgt Ion:154 Resp: 12099
Ion Ratio Lower Upper
154 100
153 115.6 89.0 133.4
152 53.3 40.2 60.4



#58
Fluorene
Concen: 2.230 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.018 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

Tgt Ion:166 Resp: 13386
Ion Ratio Lower Upper
166 100
165 93.9 77.5 116.3
167 15.9 10.9 16.3





#63

Azobenzene

Concen: 4.367 ng

RT: 10.539 min Scan# 1436

Delta R.T. -0.006 min

Lab File: BF141464.D

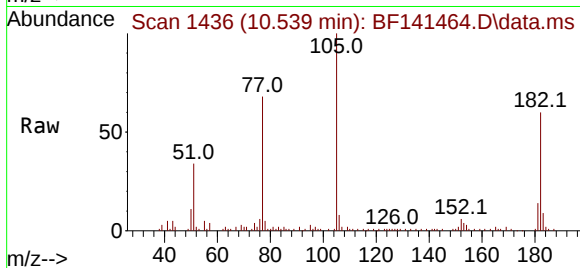
Acq: 05 Feb 2025 22:49

Instrument :

BNA_F

ClientSampleId :

JPP-5.1-012725



Tgt Ion: 77 Resp: 27227

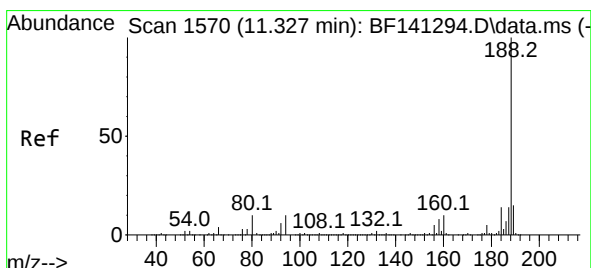
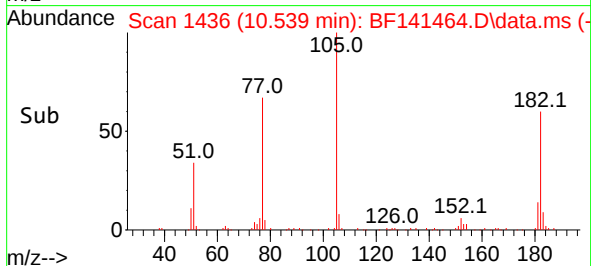
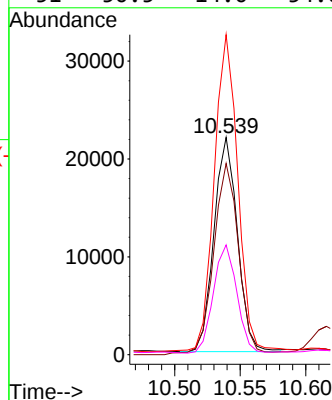
Ion Ratio Lower Upper

77 100

182 88.0 5.1 45.1#

105 147.3 1.8 41.8#

51 50.5 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: BF141464.D

Acq: 05 Feb 2025 22:49

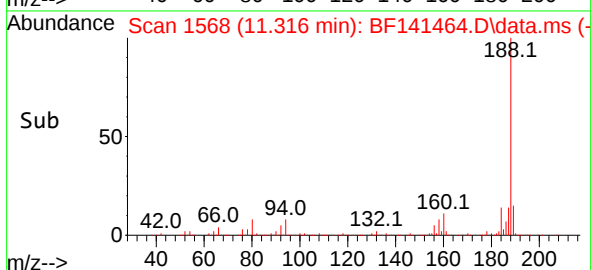
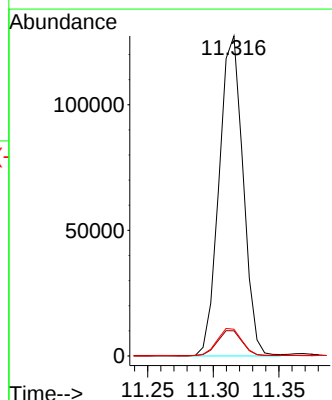
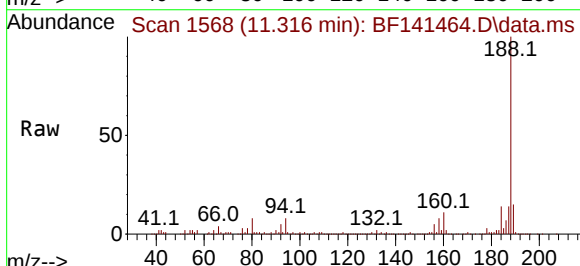
Tgt Ion: 188 Resp: 162078

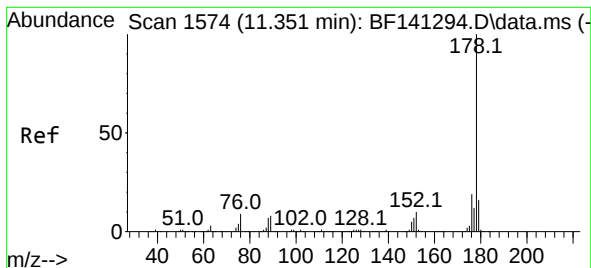
Ion Ratio Lower Upper

188 100

94 7.8 7.8 11.6

80 8.3 8.2 12.4





#71

Phenanthrene

Concen: 19.684 ng

RT: 11.339 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141464.D

Acq: 05 Feb 2025 22:49

Instrument :

BNA_F

ClientSampleId :

JPP-5.1-012725

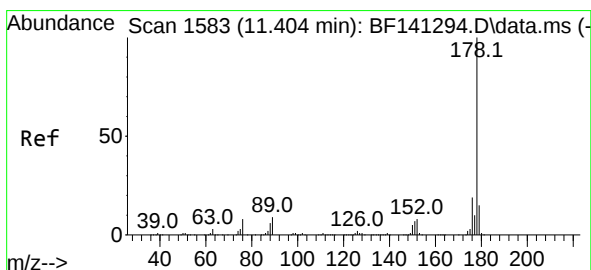
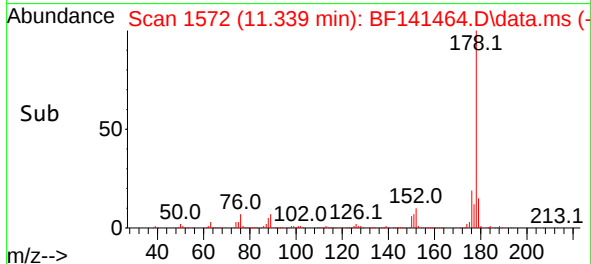
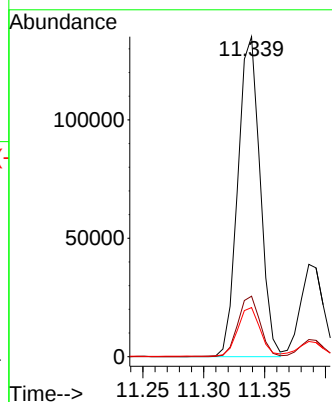
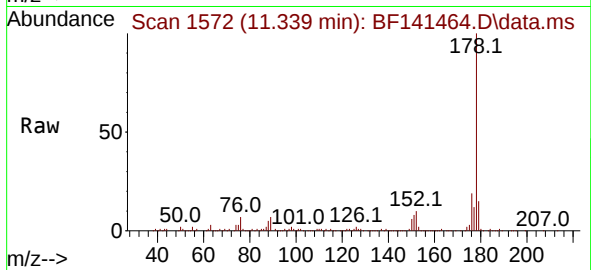
Tgt Ion:178 Resp: 171494

Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

179 15.3 12.5 18.7



#72

Anthracene

Concen: 6.321 ng

RT: 11.386 min Scan# 1580

Delta R.T. -0.018 min

Lab File: BF141464.D

Acq: 05 Feb 2025 22:49

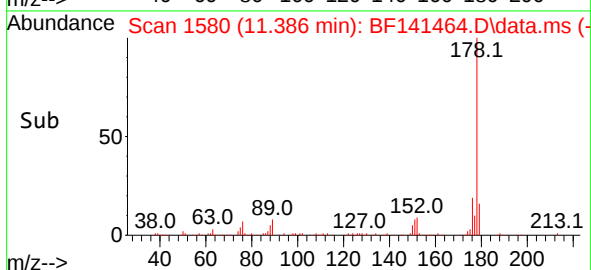
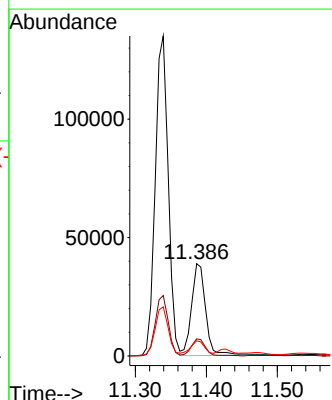
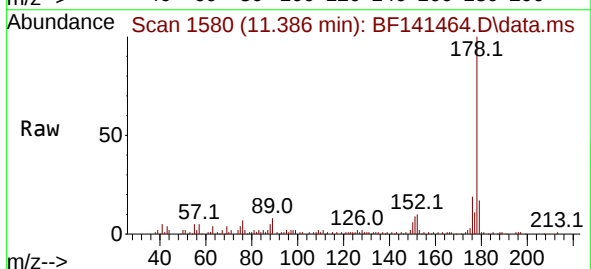
Tgt Ion:178 Resp: 53961

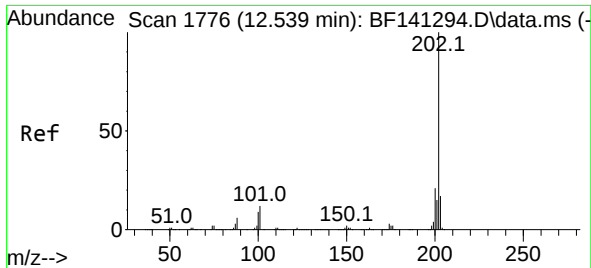
Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.6

179 16.5 12.3 18.5

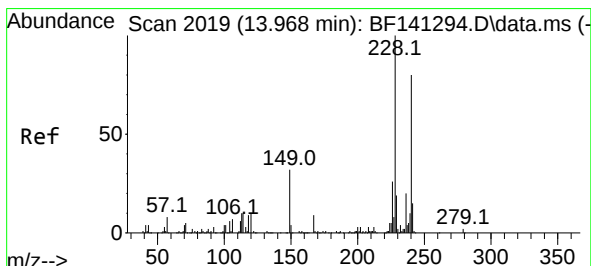
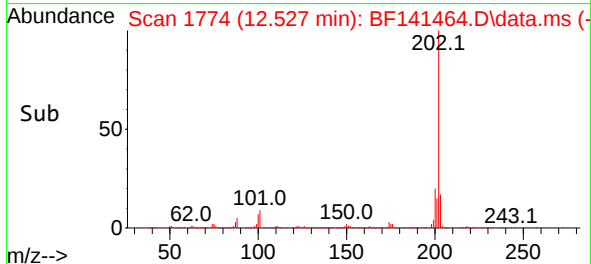
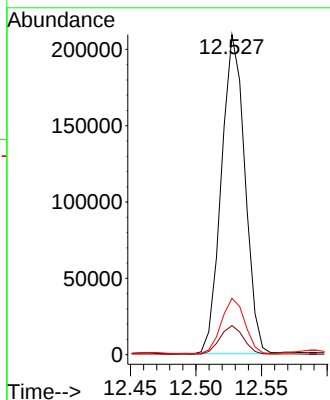
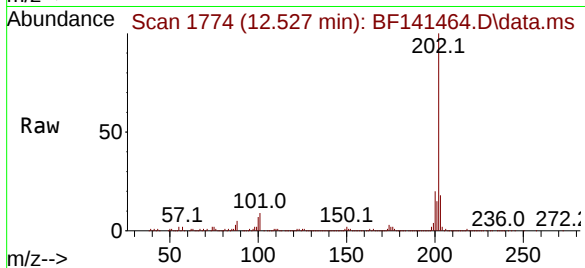




#75
Fluoranthene
Concen: 30.330 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

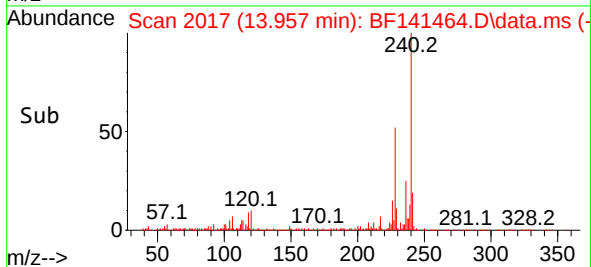
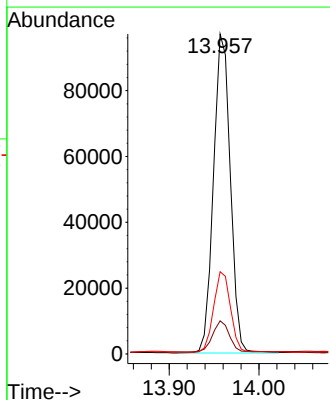
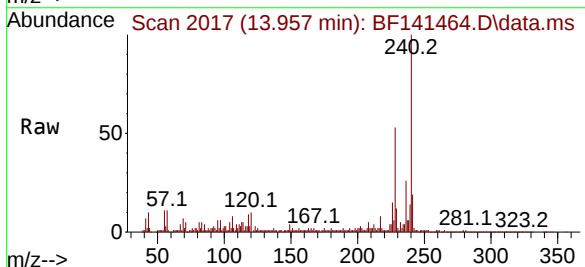
Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725

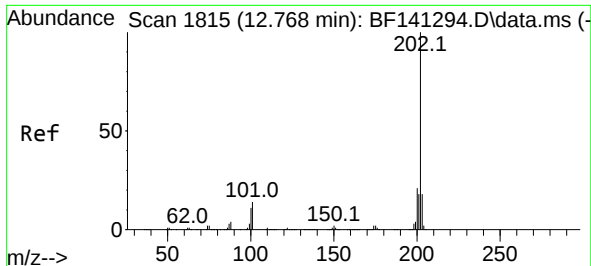
Tgt Ion:202 Resp: 260914
Ion Ratio Lower Upper
202 100
101 9.1 0.0 31.7
203 17.6 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

Tgt Ion:240 Resp: 126468
Ion Ratio Lower Upper
240 100
120 10.3 10.0 15.0
236 25.7 19.7 29.5

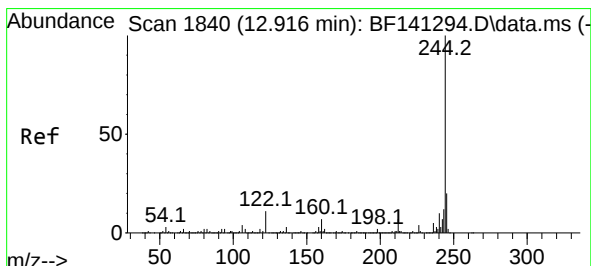
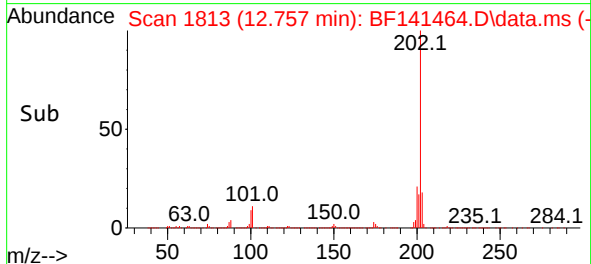
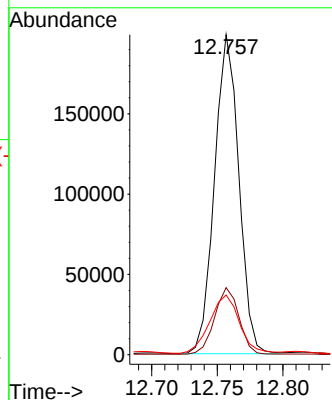
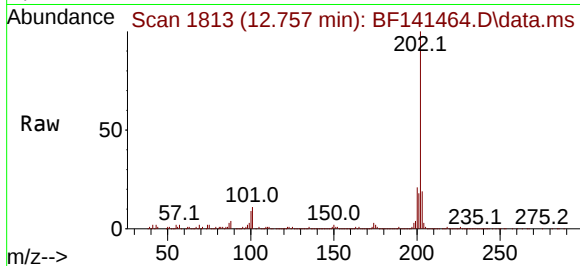




#78
 Pyrene
 Concen: 21.098 ng
 RT: 12.757 min Scan# 1813
 Delta R.T. -0.012 min
 Lab File: BF141464.D
 Acq: 05 Feb 2025 22:49

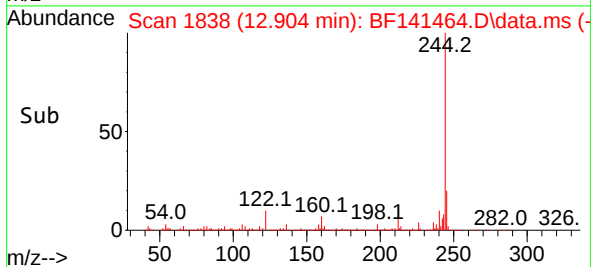
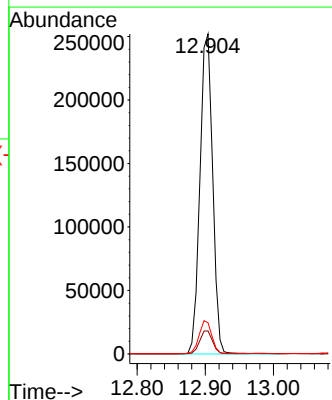
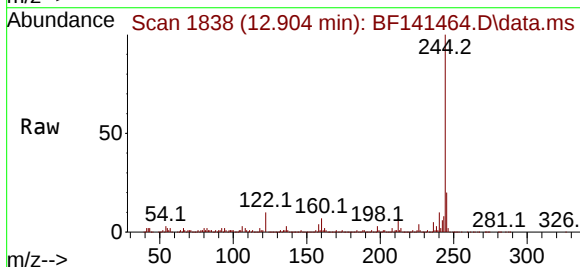
Instrument :
 BNA_F
 ClientSampleId :
 JPP-5.1-012725

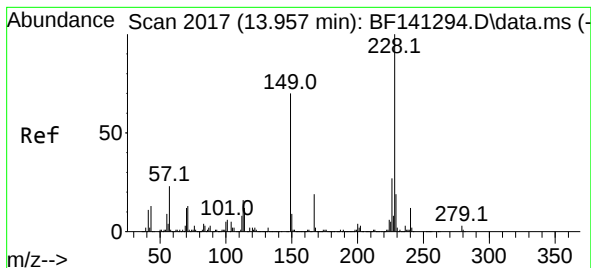
Tgt Ion:202 Resp: 256124
 Ion Ratio Lower Upper
 202 100
 200 20.9 17.0 25.4
 203 18.7 14.3 21.5



#79
 Terphenyl-d14
 Concen: 39.954 ng
 RT: 12.904 min Scan# 1838
 Delta R.T. -0.012 min
 Lab File: BF141464.D
 Acq: 05 Feb 2025 22:49

Tgt Ion:244 Resp: 327648
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 9.8 8.8 13.2





#81

Benzo(a)anthracene

Concen: 12.675 ng

RT: 13.951 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141464.D

Acq: 05 Feb 2025 22:49

Instrument :

BNA_F

ClientSampleId :

JPP-5.1-012725

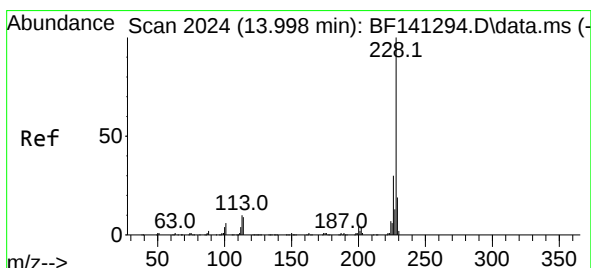
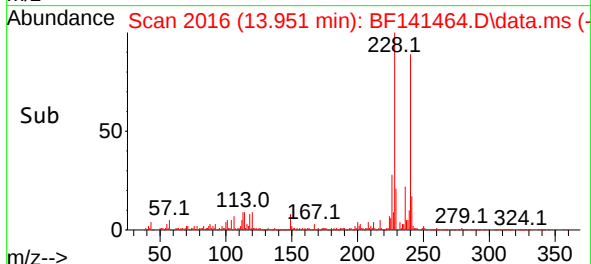
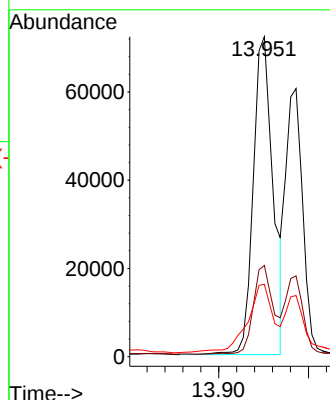
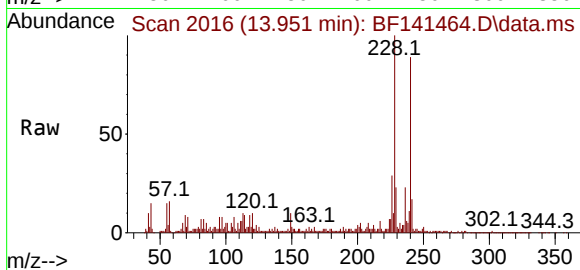
Tgt Ion:228 Resp: 110619

Ion Ratio Lower Upper

228 100

226 28.5 21.4 32.2

229 22.6 15.5 23.3



#83

Chrysene

Concen: 9.874 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.012 min

Lab File: BF141464.D

Acq: 05 Feb 2025 22:49

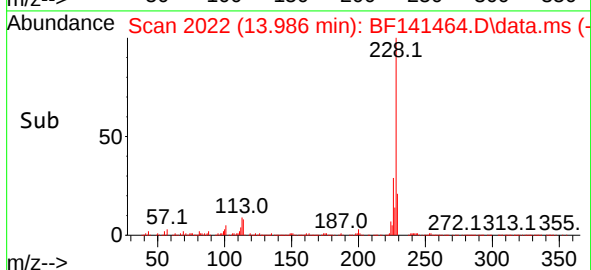
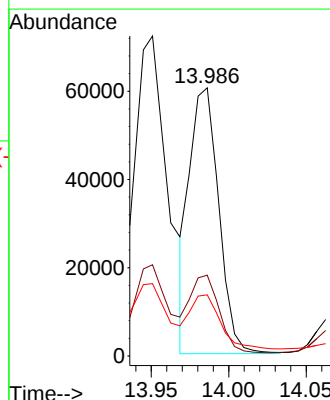
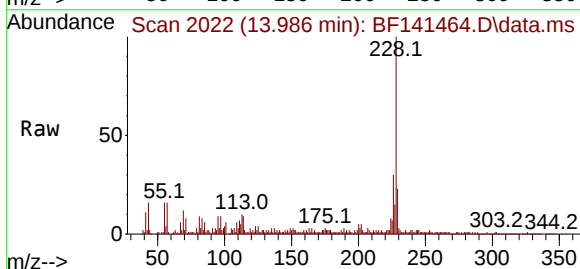
Tgt Ion:228 Resp: 78976

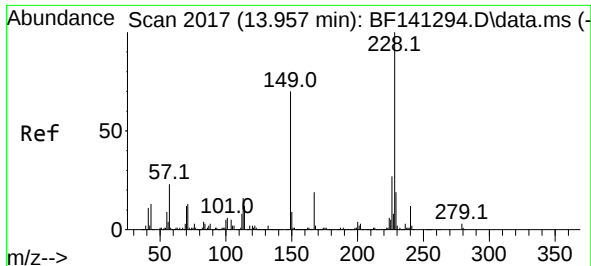
Ion Ratio Lower Upper

228 100

226 30.2 24.1 36.1

229 22.8 15.6 23.4

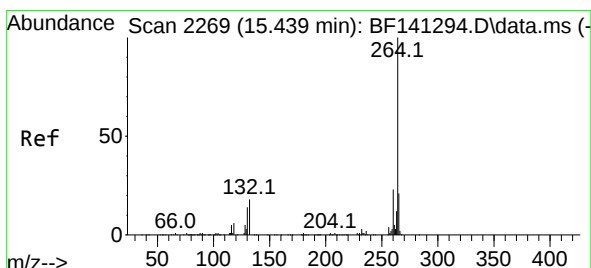
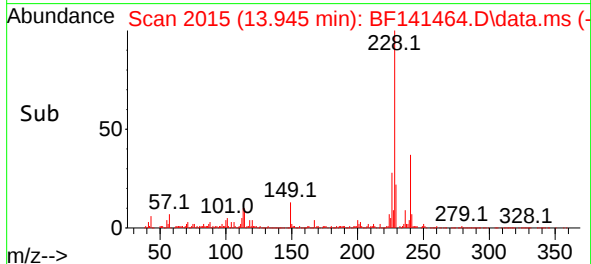
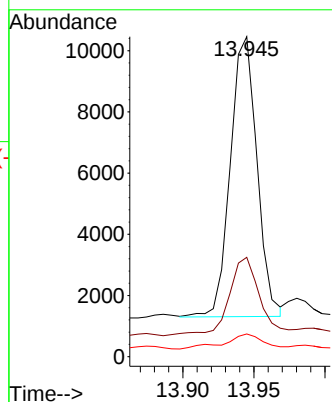
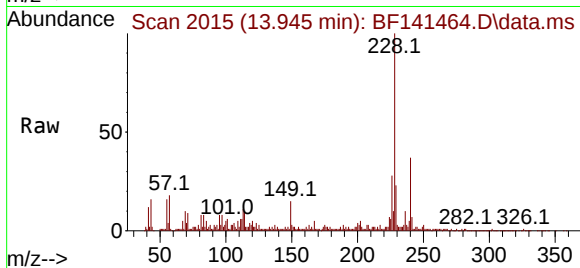




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.219 ng
RT: 13.945 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

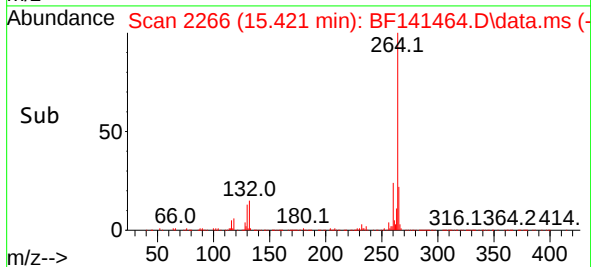
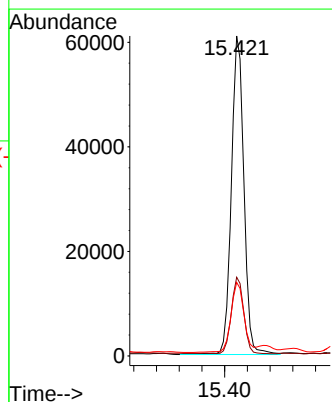
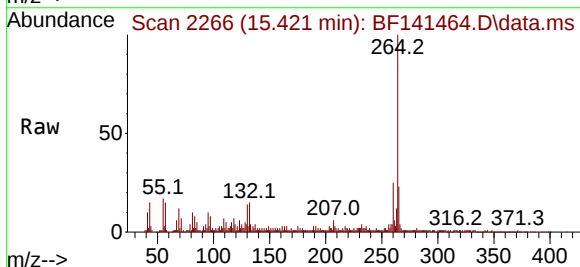
Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725

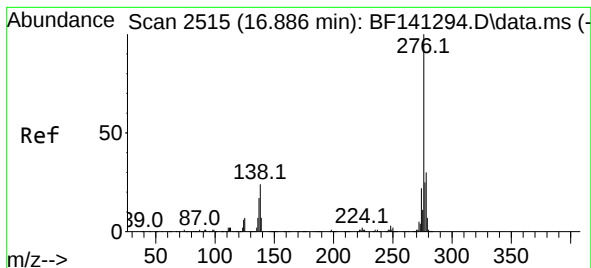
Tgt Ion:149 Resp: 11936
Ion Ratio Lower Upper
149 100
167 31.0 21.8 32.8
279 7.1 3.3 4.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

Tgt Ion:264 Resp: 93403
Ion Ratio Lower Upper
264 100
260 24.6 18.6 27.8
265 23.0 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.129 ng

RT: 16.862 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF141464.D

Acq: 05 Feb 2025 22:49

Instrument :

BNA_F

ClientSampleId :

JPP-5.1-012725

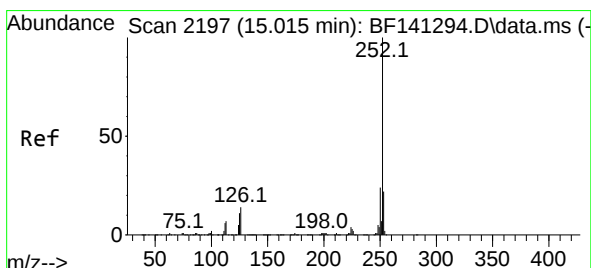
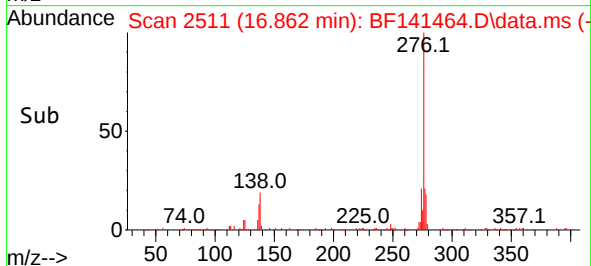
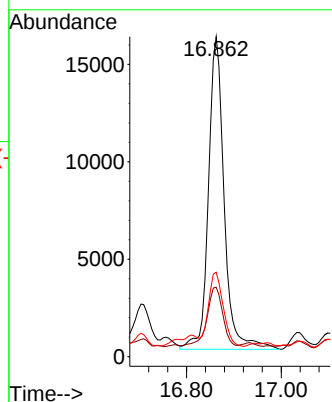
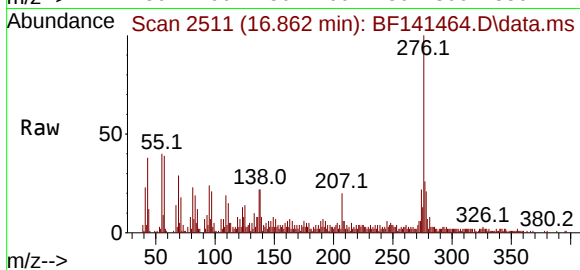
Tgt Ion:276 Resp: 36951

Ion Ratio Lower Upper

276 100

138 19.4 21.7 32.5#

277 22.2 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 19.172 ng

RT: 15.004 min Scan# 2195

Delta R.T. -0.018 min

Lab File: BF141464.D

Acq: 05 Feb 2025 22:49

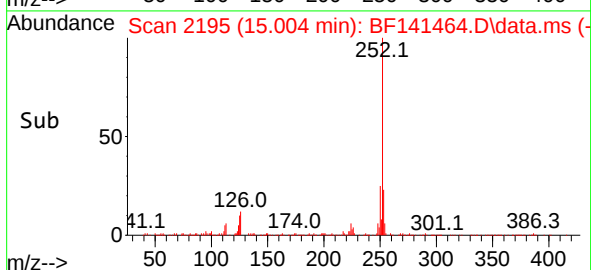
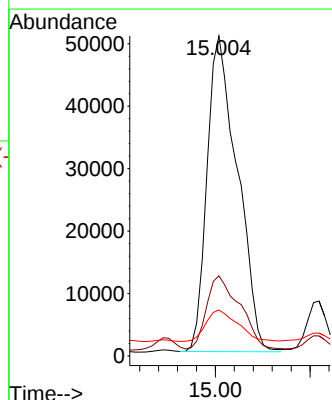
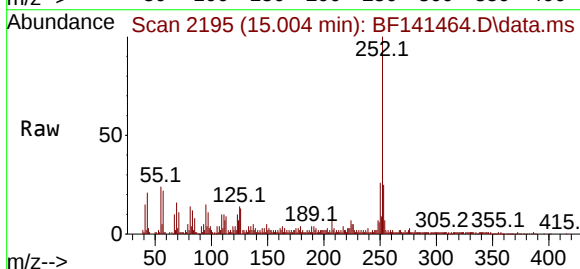
Tgt Ion:252 Resp: 112644

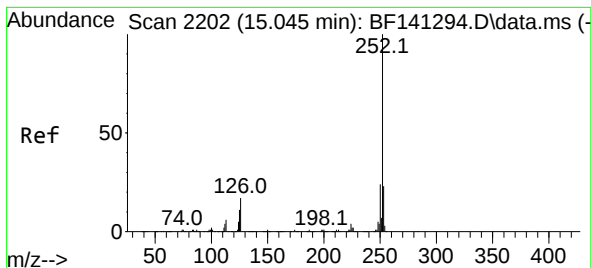
Ion Ratio Lower Upper

252 100

253 25.0 17.4 26.2

125 14.3 8.6 12.8#





#89

Benzo(k)fluoranthene

Concen: 21.642 ng

RT: 15.004 min Scan# 2195

Delta R.T. -0.047 min

Lab File: BF141464.D

Acq: 05 Feb 2025 22:49

Instrument :

BNA_F

ClientSampleId :

JPP-5.1-012725

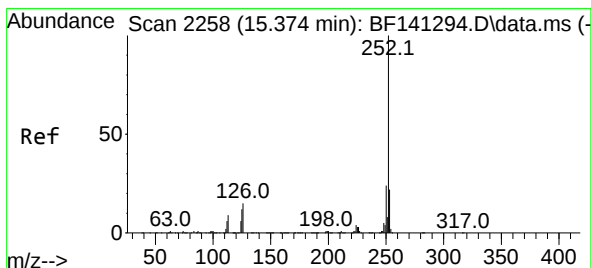
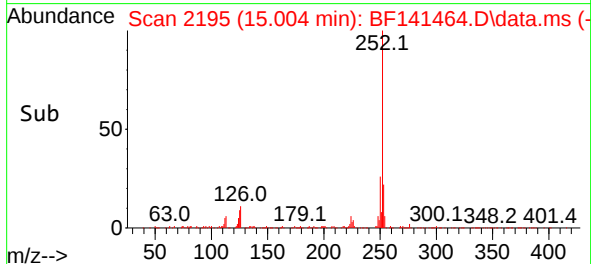
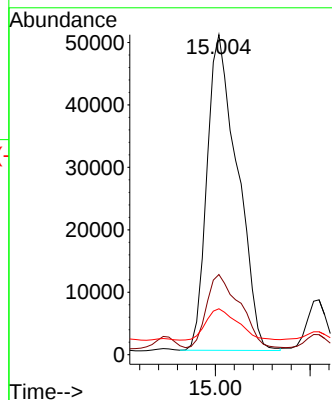
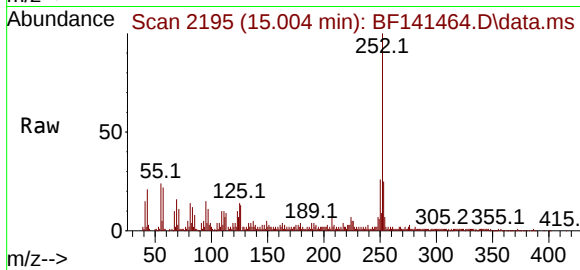
Tgt Ion:252 Resp: 112644

Ion Ratio Lower Upper

252 100

253 25.0 17.6 26.4

125 14.3 8.4 12.6#



#90

Benzo(a)pyrene

Concen: 12.738 ng

RT: 15.357 min Scan# 2255

Delta R.T. -0.024 min

Lab File: BF141464.D

Acq: 05 Feb 2025 22:49

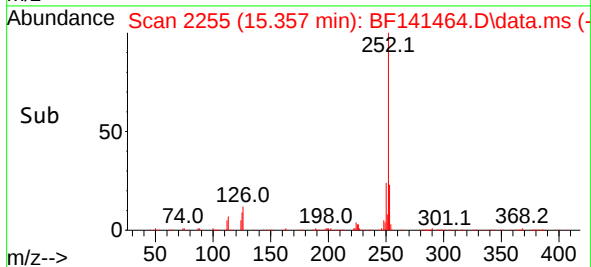
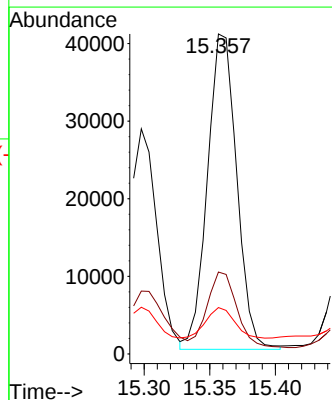
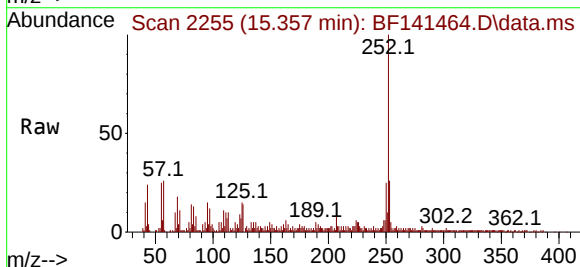
Tgt Ion:252 Resp: 63244

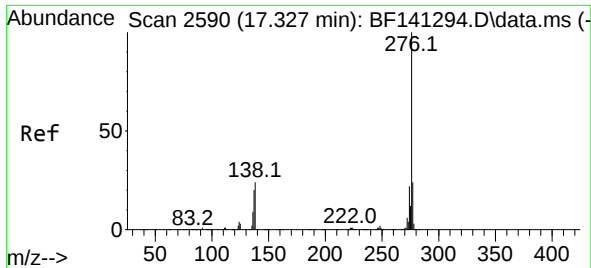
Ion Ratio Lower Upper

252 100

253 25.6 17.2 25.8

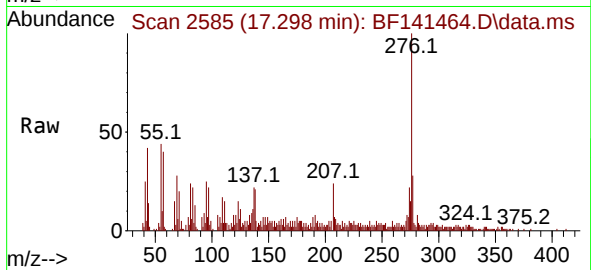
125 14.5 9.4 14.2#





#92
 Benzo(g,h,i)perylene
 Concen: 6.547 ng
 RT: 17.298 min Scan# 21
 Delta R.T. -0.047 min
 Lab File: BF141464.D
 Acq: 05 Feb 2025 22:49

Instrument :
 BNA_F
 ClientSampleId :
 JPP-5.1-012725



Tgt Ion: 276 Resp: 33017
 Ion Ratio Lower Upper
 276 100
 277 27.6 19.2 28.8
 138 21.5 19.0 28.4

