

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141466.D
 Acq On : 05 Feb 2025 23:41
 Operator : RC/JU
 Sample : Q1206-07 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-16.3-012725

Quant Time: Feb 06 01:51:31 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)

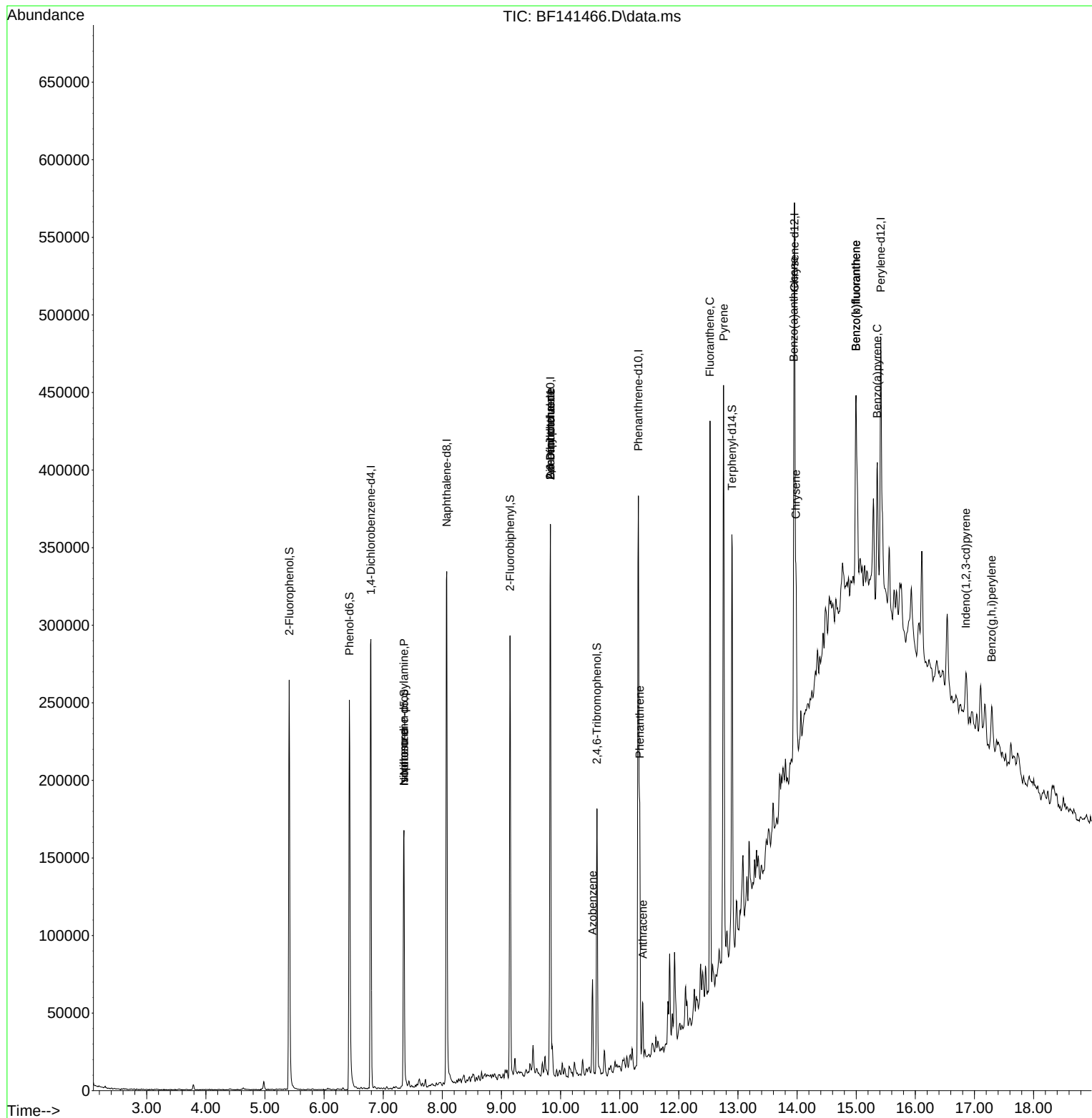
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	60479	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	215731	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	104225	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	180536	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	126264	20.000	ng	#-0.02
86) Perylene-d12	15.415	264	92226	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	100439	25.495	ng	0.00
7) Phenol-d6	6.428	99	116360	23.218	ng	-0.01
23) Nitrobenzene-d5	7.351	82	75045	18.338	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	24431	25.569	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	122157	18.040	ng	-0.02
79) Terphenyl-d14	12.898	244	129031	15.760	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	9897	3.324	ng	# 77
25) Isophorone	7.351	82	71986	10.176	ng	# 65
50) Dimethylphthalate	9.828	163	15250	2.166	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	13999	8.565	ng	# 24
57) 2,4-Dinitrotoluene	9.828	165	13999	6.615	ng	# 23
63) Azobenzene	10.539	77	14128	2.068	ng	# 1
71) Phenanthrene	11.339	178	86722	8.936	ng	99
72) Anthracene	11.392	178	22746	2.392	ng	97
75) Fluoranthene	12.527	202	205518	21.448	ng	97
78) Pyrene	12.757	202	211806	17.476	ng	98
81) Benzo(a)anthracene	13.945	228	80672	9.259	ng	96
83) Chrysene	13.980	228	69248	8.672	ng	97
87) Indeno(1,2,3-cd)pyrene	16.856	276	27139	4.559	ng	# 91
88) Benzo(b)fluoranthene	14.998	252	92105	15.877	ng	# 90
89) Benzo(k)fluoranthene	14.998	252	92105	17.922	ng	# 90
90) Benzo(a)pyrene	15.357	252	51379	10.481	ng	# 91
92) Benzo(g,h,i)perylene	17.292	276	26633	5.348	ng	97

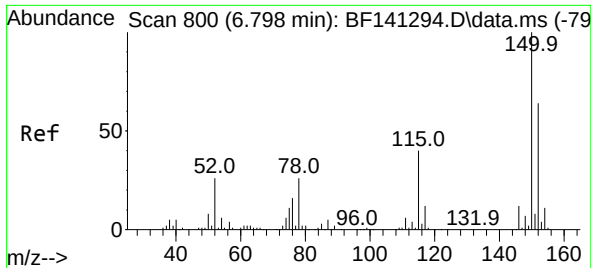
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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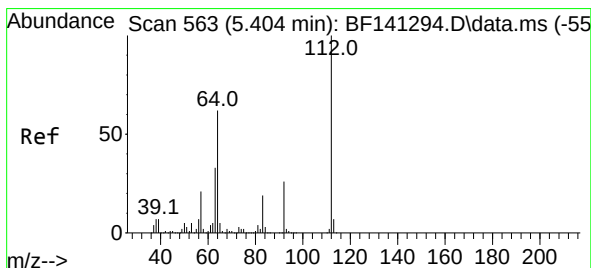
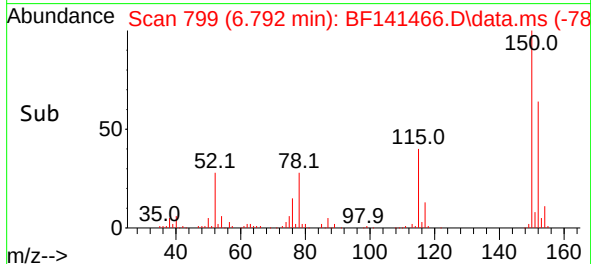
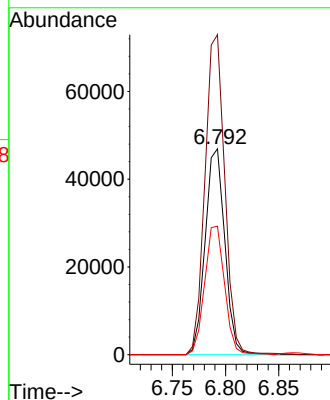
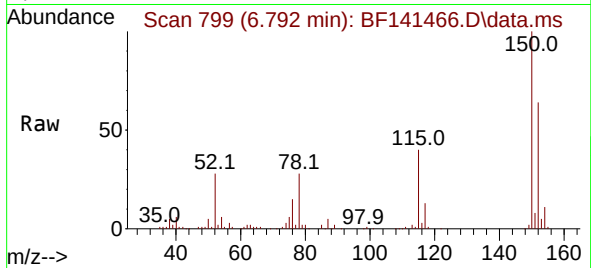




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

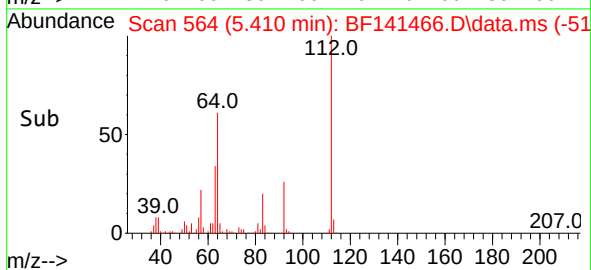
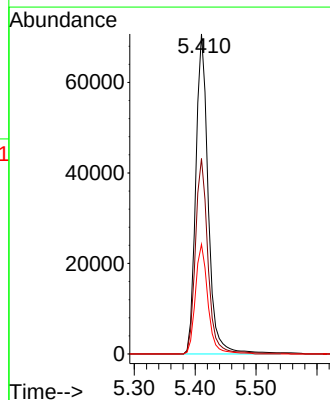
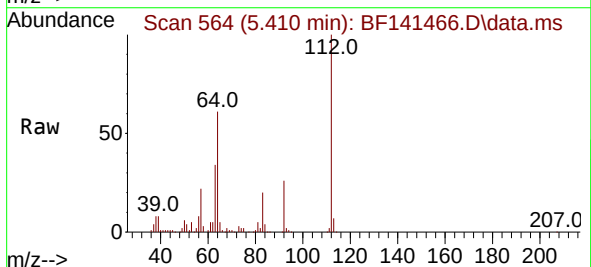
Instrument :
BNA_F
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JPP-16.3-012725

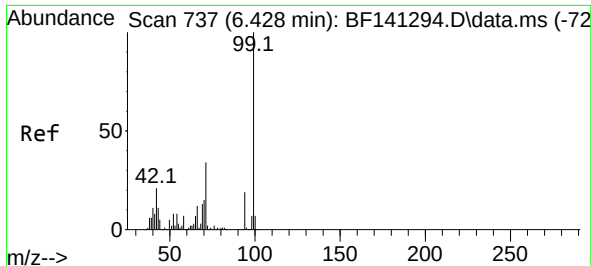
Tgt Ion:152 Resp: 60479
Ion Ratio Lower Upper
152 100
150 155.4 125.9 188.9
115 62.4 49.7 74.5



#5
2-Fluorophenol
Concen: 25.495 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

Tgt Ion:112 Resp: 100439
Ion Ratio Lower Upper
112 100
64 61.0 49.8 74.8
63 34.3 26.1 39.1

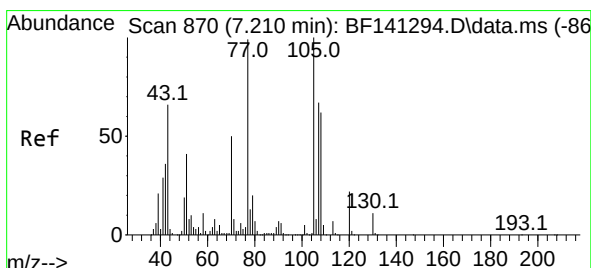
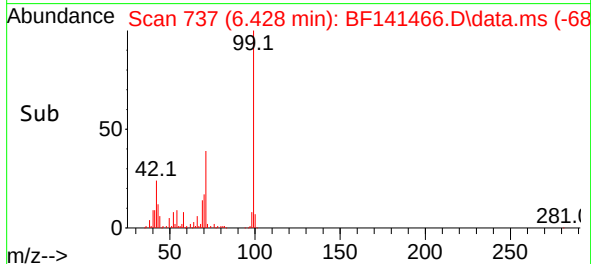
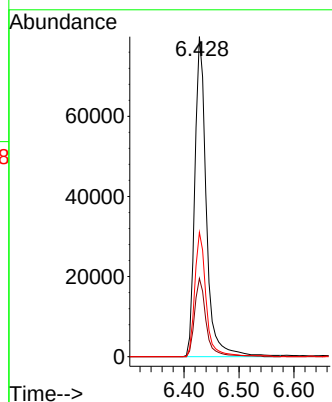
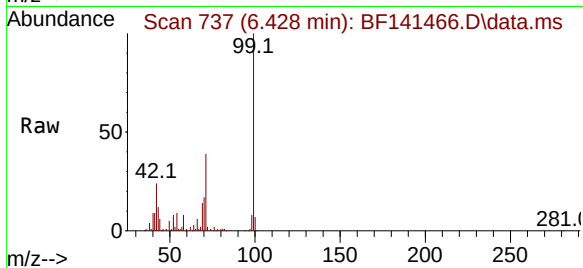




#7
Phenol-d6
Concen: 23.218 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

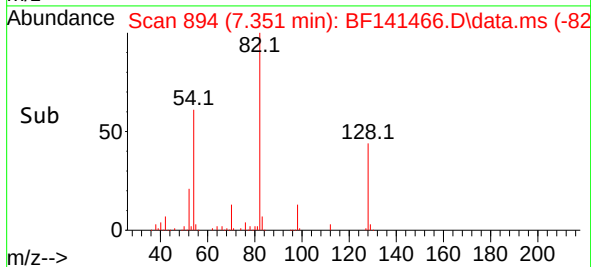
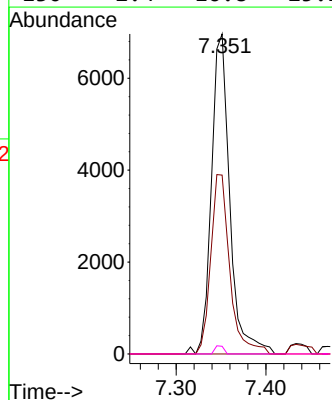
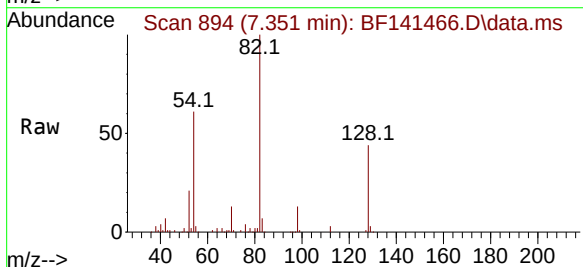
Instrument :
BNA_F
ClientSampleId :
JPP-16.3-012725

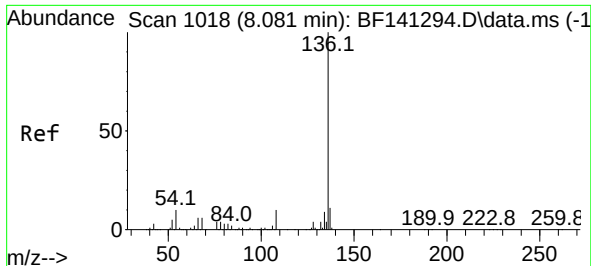
Tgt Ion: 99 Resp: 116360
Ion Ratio Lower Upper
99 100
42 24.5 17.1 25.7
71 38.9 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 3.324 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.123 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

Tgt Ion: 70 Resp: 9897
Ion Ratio Lower Upper
70 100
42 55.9 56.8 85.2#
101 0.0 7.7 11.5#
130 2.4 16.8 25.2#

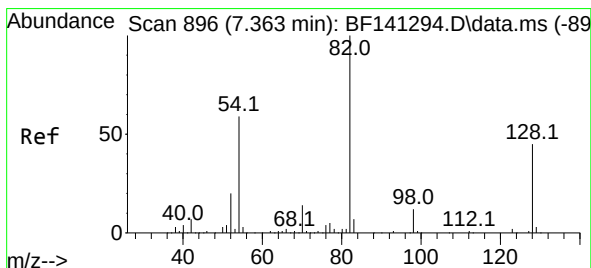
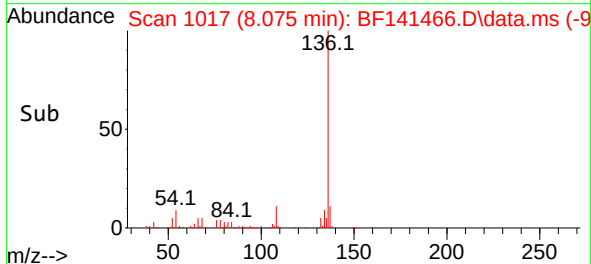
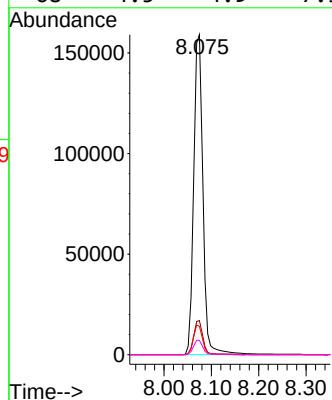
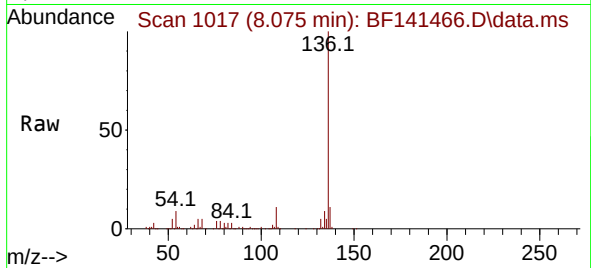




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

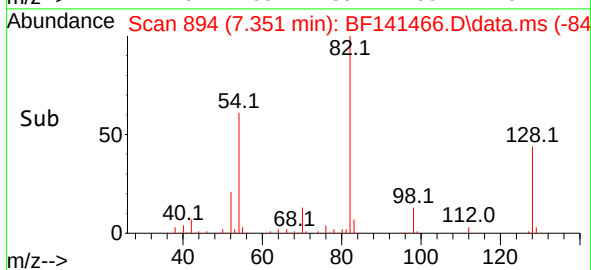
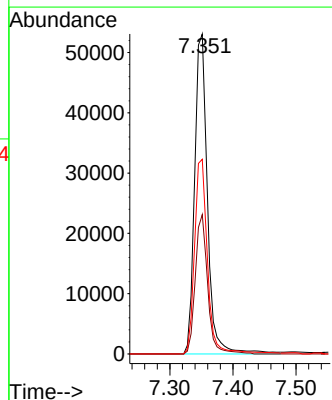
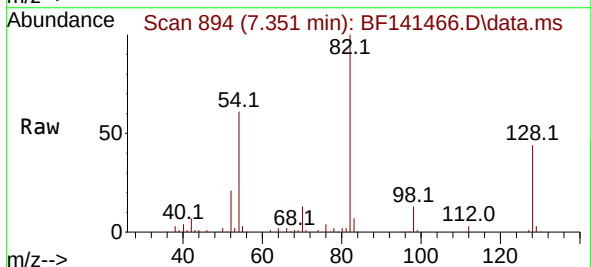
Instrument :
BNA_F
ClientSampleId :
JPP-16.3-012725

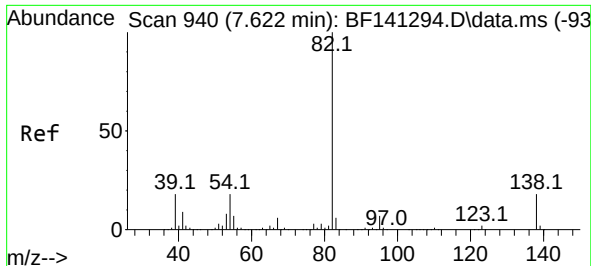
Tgt Ion:136 Resp: 215731
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.9 7.8 11.8
68 4.5 4.9 7.3#



#23
Nitrobenzene-d5
Concen: 18.338 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.018 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

Tgt Ion: 82 Resp: 75045
Ion Ratio Lower Upper
82 100
128 43.6 35.7 53.5
54 60.9 47.1 70.7

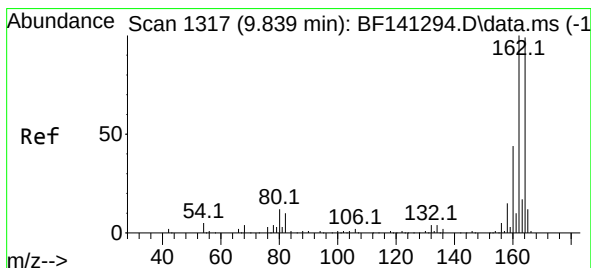
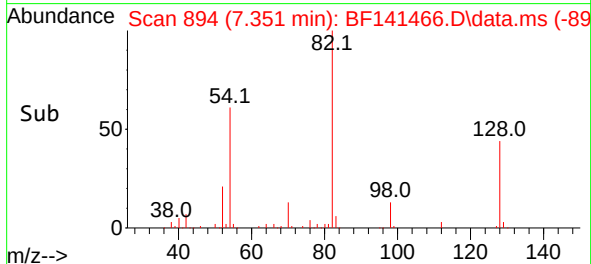
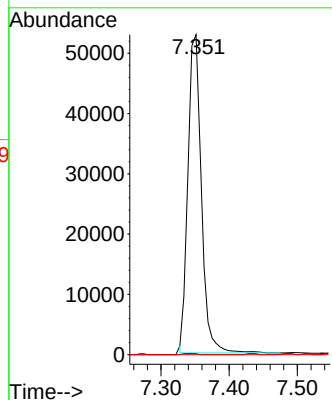
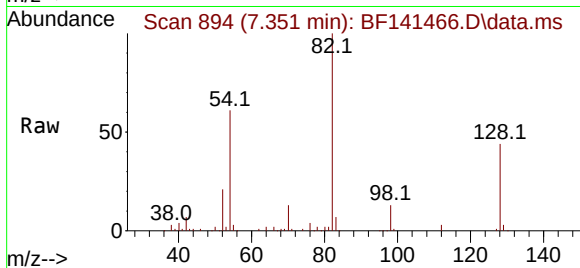




#25
Isophorone
Concen: 10.176 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.277 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

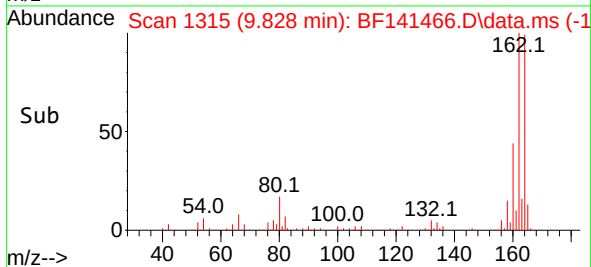
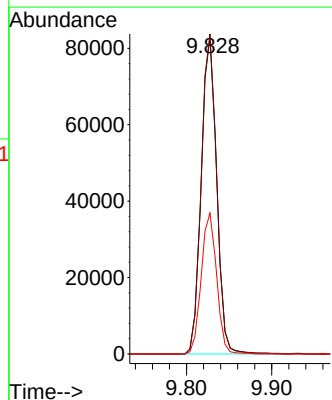
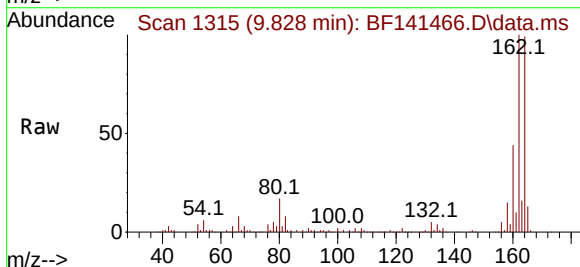
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BNA_F
ClientSampleId :
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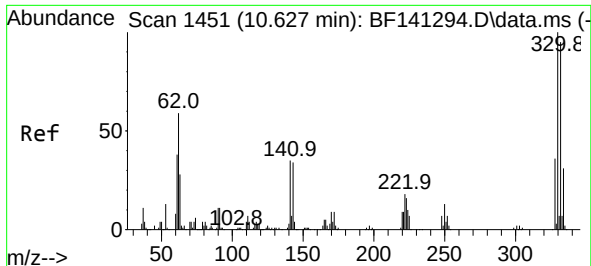
Tgt Ion: 82 Resp: 71986
Ion Ratio Lower Upper
82 100
95 0.3 5.8 8.6#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

Tgt Ion:164 Resp: 104225
Ion Ratio Lower Upper
164 100
162 101.0 80.6 121.0
160 44.4 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 25.569 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.018 min

Lab File: BF141466.D

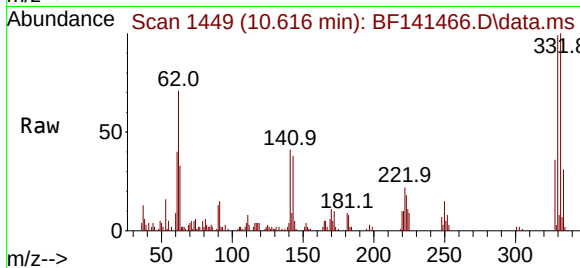
Acq: 05 Feb 2025 23:41

Instrument :

BNA_F

ClientSampleId :

JPP-16.3-012725



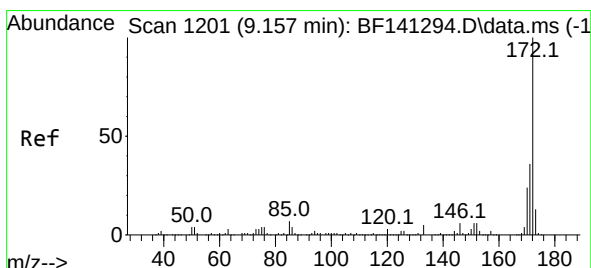
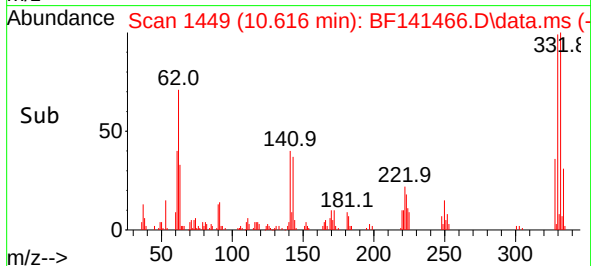
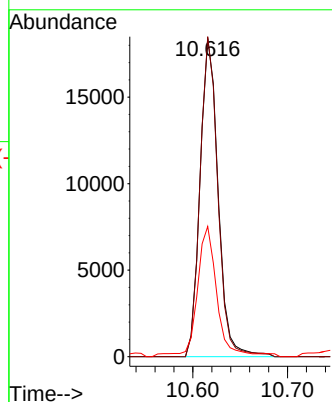
Tgt Ion:330 Resp: 24431

Ion Ratio Lower Upper

330 100

332 98.6 76.1 114.1

141 44.0 28.8 43.2#



#45

2-Fluorobiphenyl

Concen: 18.040 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.018 min

Lab File: BF141466.D

Acq: 05 Feb 2025 23:41

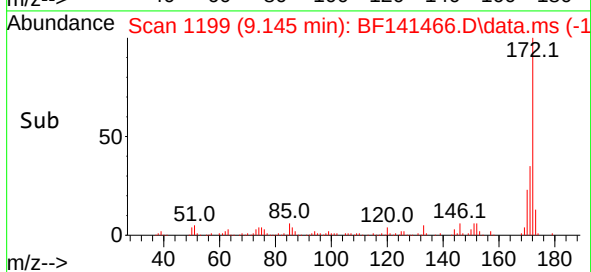
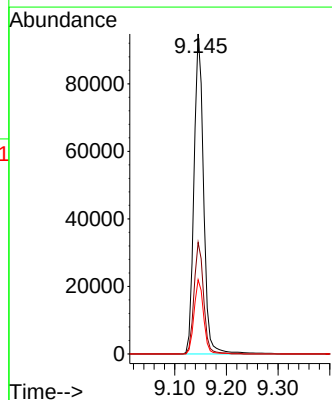
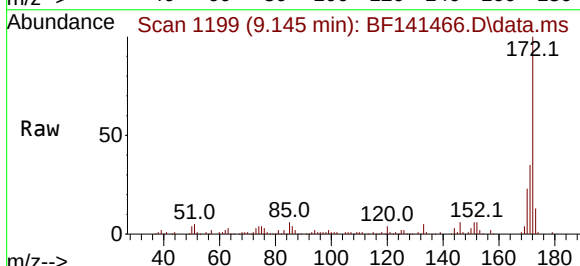
Tgt Ion:172 Resp: 122157

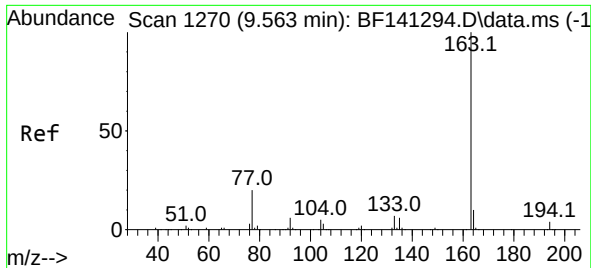
Ion Ratio Lower Upper

172 100

171 34.9 28.8 43.2

170 23.2 19.0 28.6

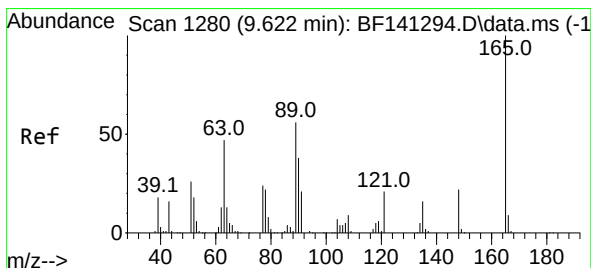
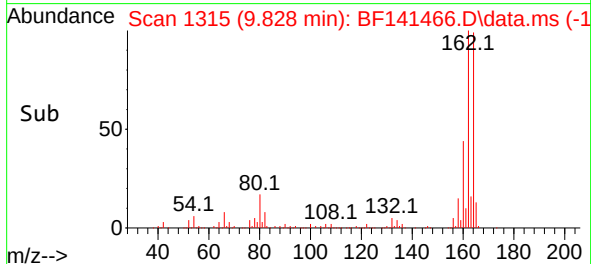
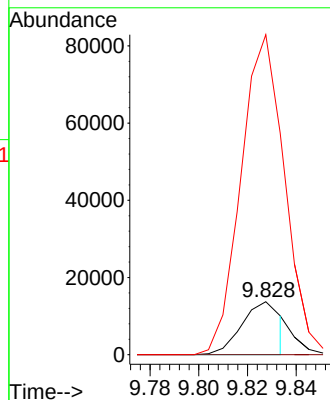
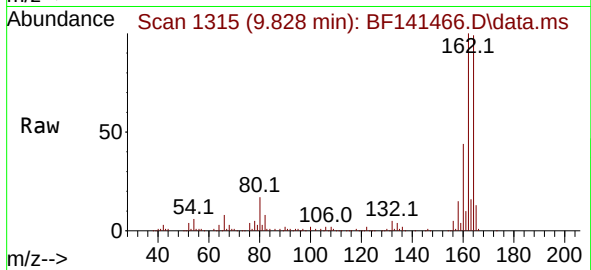




#50
Dimethylphthalate
Concen: 2.166 ng
RT: 9.828 min Scan# 1315
Delta R.T. 0.259 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

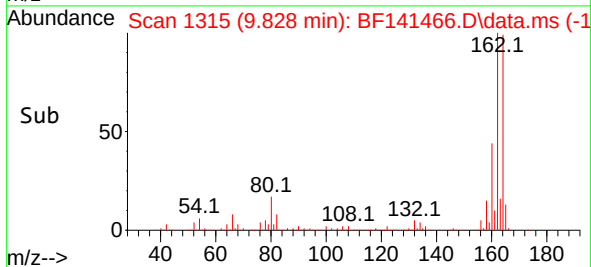
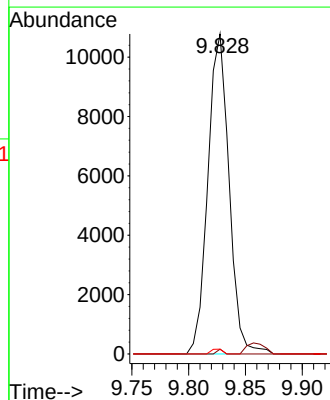
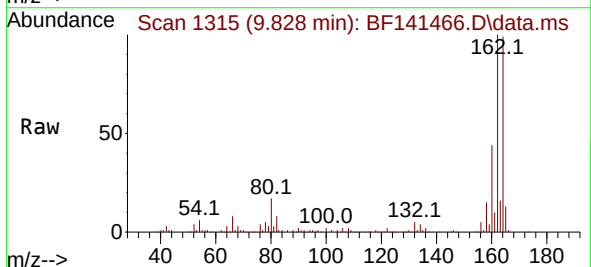
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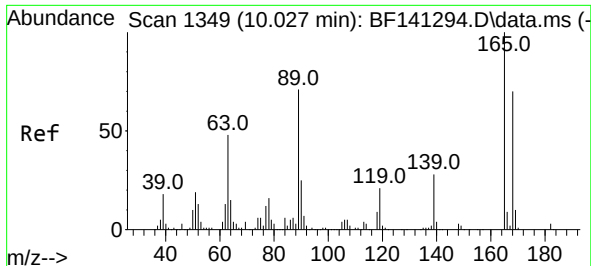
Tgt Ion:163 Resp: 15250
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 603.4 8.0 12.0#



#51
2,6-Dinitrotoluene
Concen: 8.565 ng
RT: 9.828 min Scan# 1315
Delta R.T. 0.200 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

Tgt Ion:165 Resp: 13999
Ion Ratio Lower Upper
165 100
63 1.5 48.1 72.1#
89 1.5 44.9 67.3#

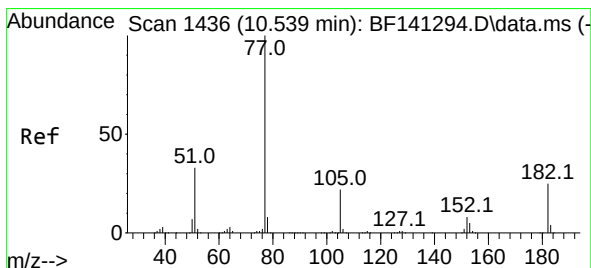
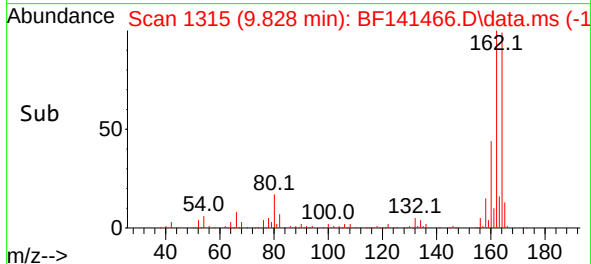
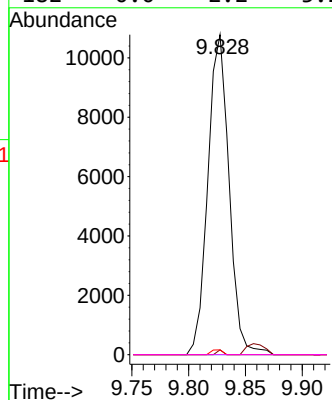
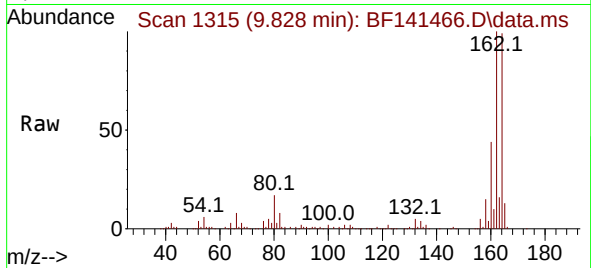




#57
2,4-Dinitrotoluene
Concen: 6.615 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

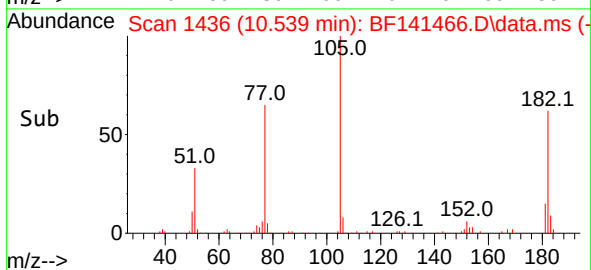
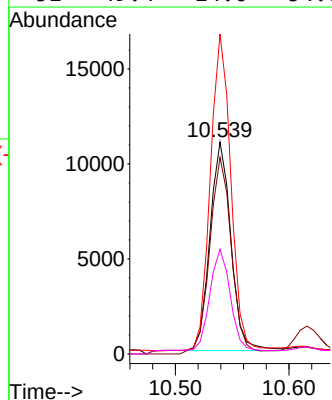
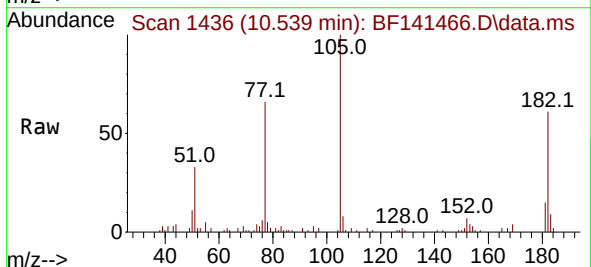
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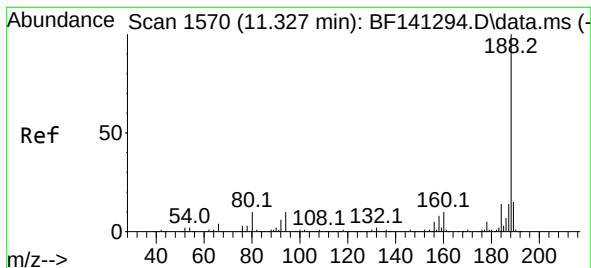
Tgt Ion:165 Resp: 13999
Ion Ratio Lower Upper
165 100
63 1.5 39.2 58.8#
89 1.5 56.9 85.3#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 2.068 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

Tgt Ion: 77 Resp: 14128
Ion Ratio Lower Upper
77 100
182 92.7 5.1 45.1#
105 151.0 1.8 41.8#
51 49.4 14.0 54.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141466.D

Acq: 05 Feb 2025 23:41

Instrument :

BNA_F

ClientSampleId :

JPP-16.3-012725

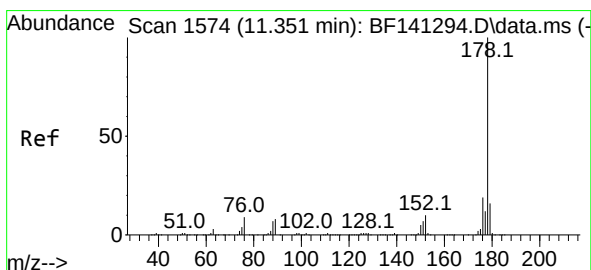
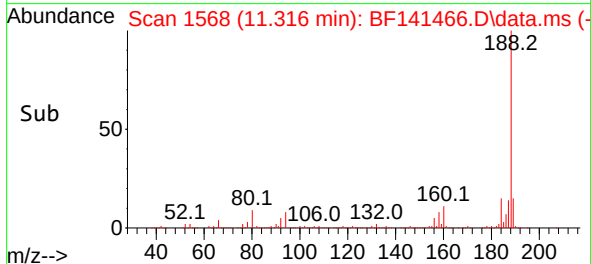
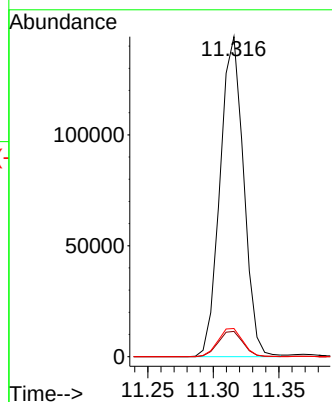
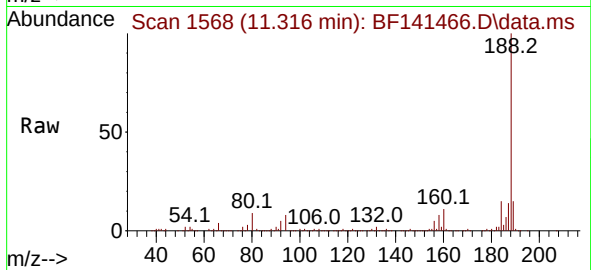
Tgt Ion:188 Resp: 180536

Ion Ratio Lower Upper

188 100

94 7.9 7.8 11.6

80 8.8 8.2 12.4



#71

Phenanthrene

Concen: 8.936 ng

RT: 11.339 min Scan# 1572

Delta R.T. -0.012 min

Lab File: BF141466.D

Acq: 05 Feb 2025 23:41

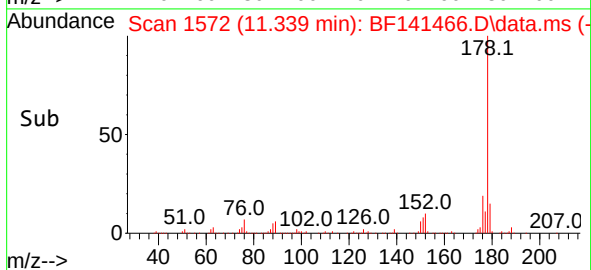
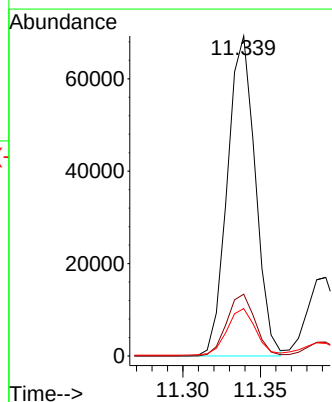
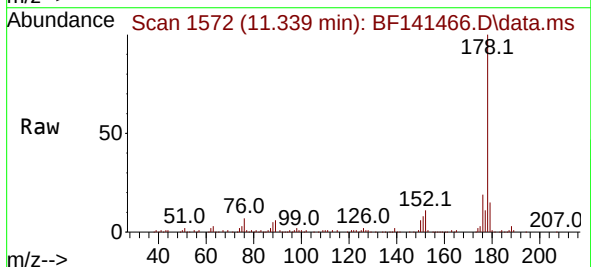
Tgt Ion:178 Resp: 86722

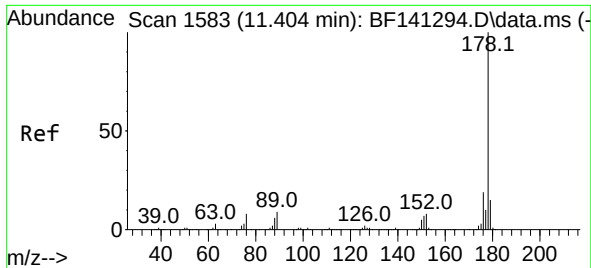
Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

179 14.8 12.5 18.7

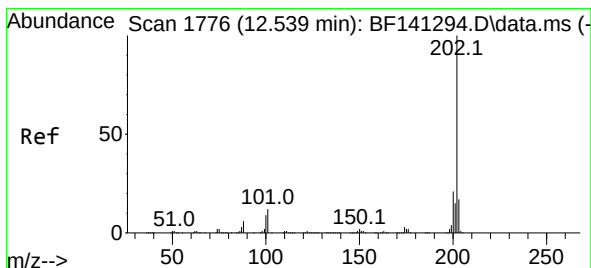
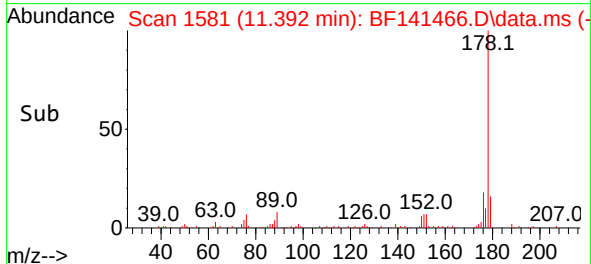
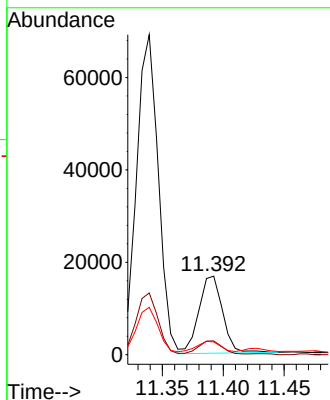
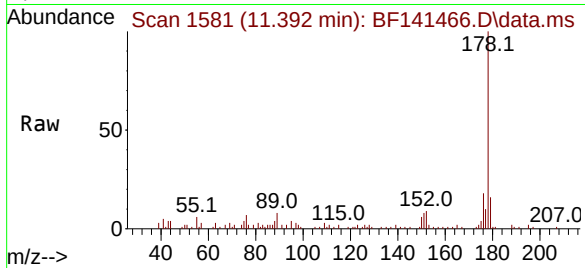




#72
 Anthracene
 Concen: 2.392 ng
 RT: 11.392 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF141466.D
 Acq: 05 Feb 2025 23:41

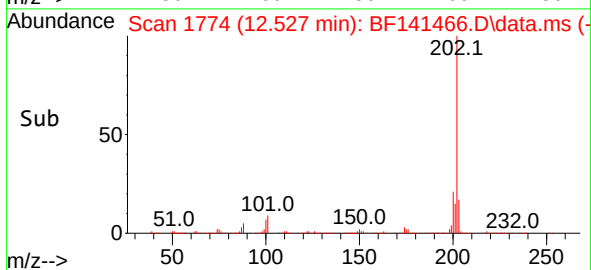
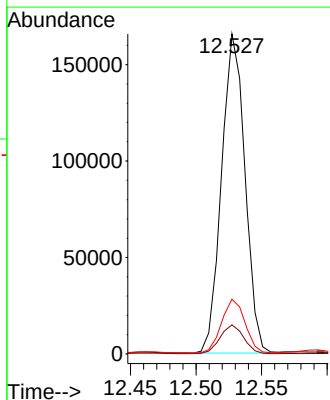
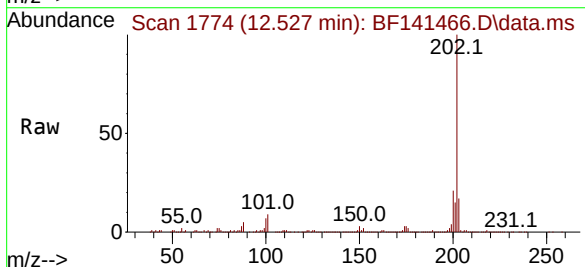
Instrument :
 BNA_F
 ClientSampleId :
 JPP-16.3-012725

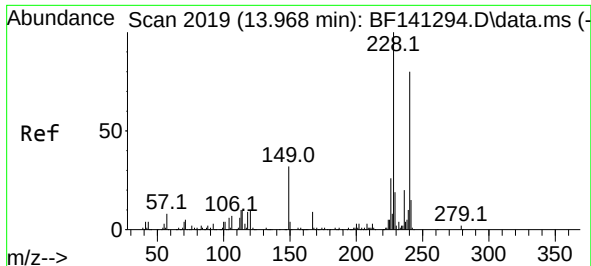
Tgt Ion:178 Resp: 22746
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.0 22.6
 179 16.3 12.3 18.5



#75
 Fluoranthene
 Concen: 21.448 ng
 RT: 12.527 min Scan# 1774
 Delta R.T. -0.012 min
 Lab File: BF141466.D
 Acq: 05 Feb 2025 23:41

Tgt Ion:202 Resp: 205518
 Ion Ratio Lower Upper
 202 100
 101 9.1 0.0 31.7
 203 17.1 0.0 37.5

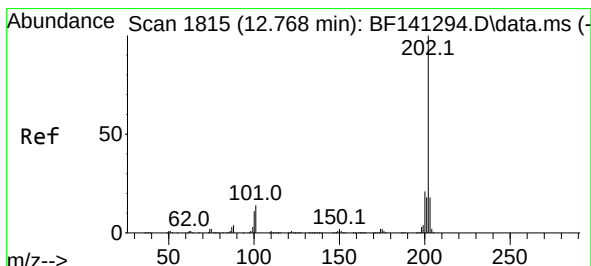
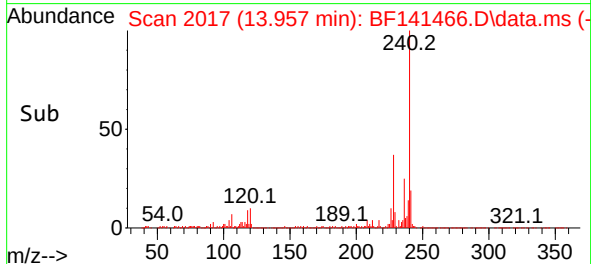
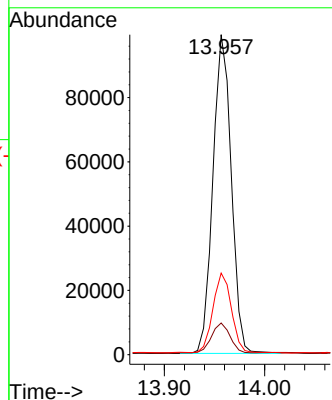
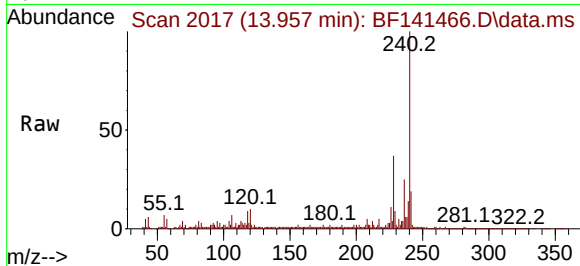




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2019
Delta R.T. -0.018 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

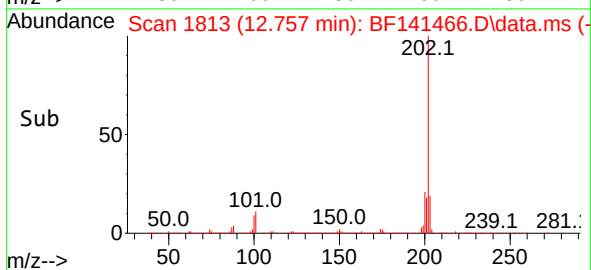
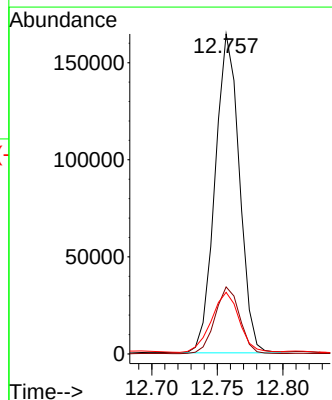
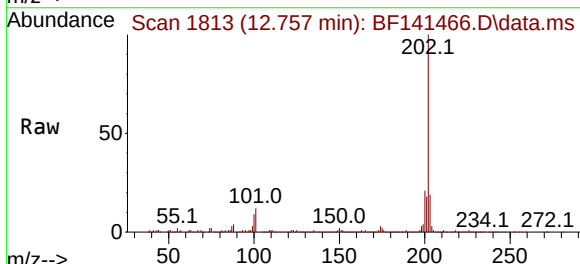
Instrument :
BNA_F
ClientSampleId :
JPP-16.3-012725

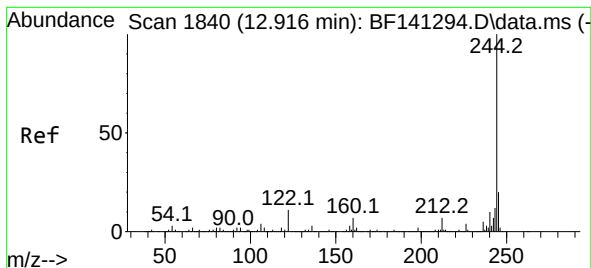
Tgt Ion:240 Resp: 126264
Ion Ratio Lower Upper
240 100
120 9.9 10.0 15.0#
236 25.5 19.7 29.5



#78
Pyrene
Concen: 17.476 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.012 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

Tgt Ion:202 Resp: 211806
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.4
203 19.2 14.3 21.5





#79

Terphenyl-d14

Concen: 15.760 ng

RT: 12.898 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141466.D

Acq: 05 Feb 2025 23:41

Instrument :

BNA_F

ClientSampleId :

JPP-16.3-012725

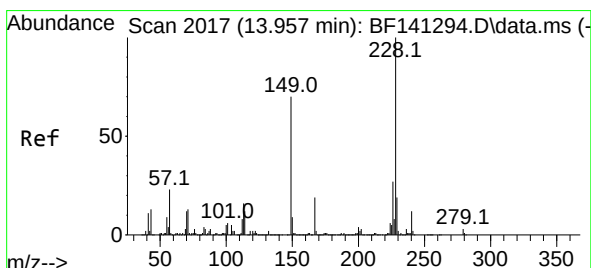
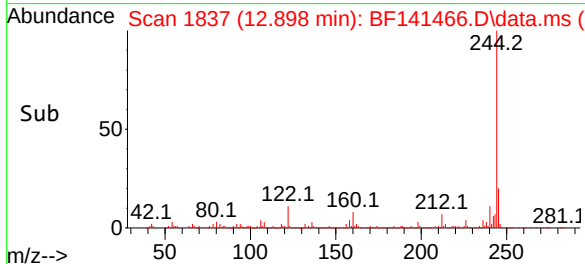
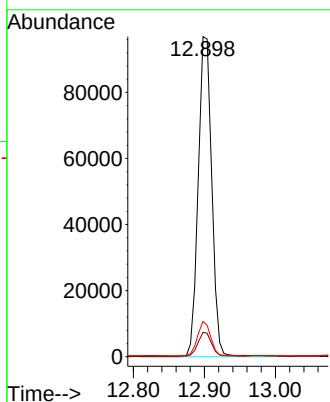
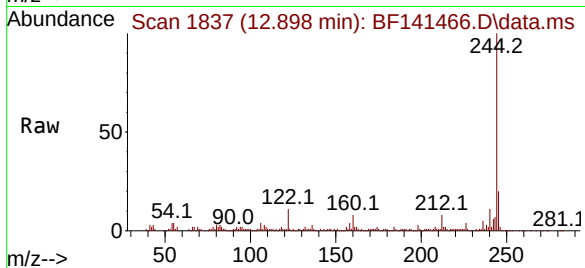
Tgt Ion:244 Resp: 129031

Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.0

122 11.0 8.8 13.2



#81

Benzo(a)anthracene

Concen: 9.259 ng

RT: 13.945 min Scan# 2015

Delta R.T. -0.018 min

Lab File: BF141466.D

Acq: 05 Feb 2025 23:41

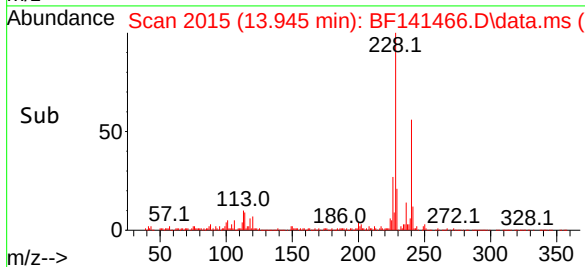
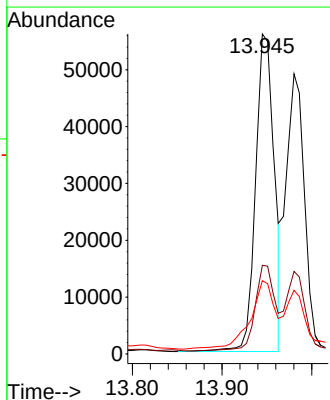
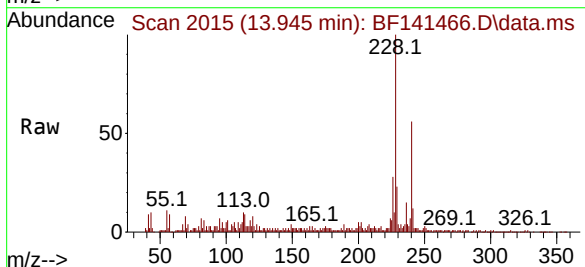
Tgt Ion:228 Resp: 80672

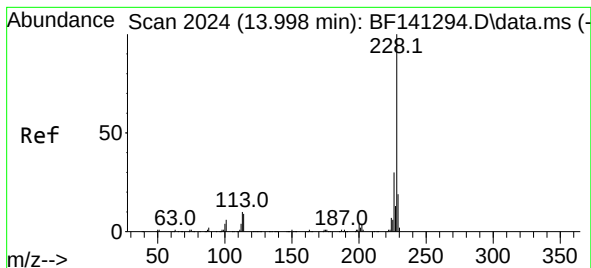
Ion Ratio Lower Upper

228 100

226 27.7 21.4 32.2

229 22.9 15.5 23.3





#83

Chrysene

Concen: 8.672 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF141466.D

Acq: 05 Feb 2025 23:41

Instrument :

BNA_F

ClientSampleId :

JPP-16.3-012725

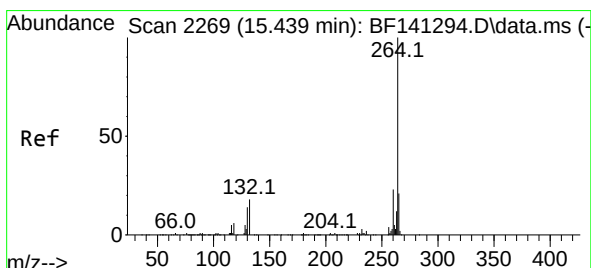
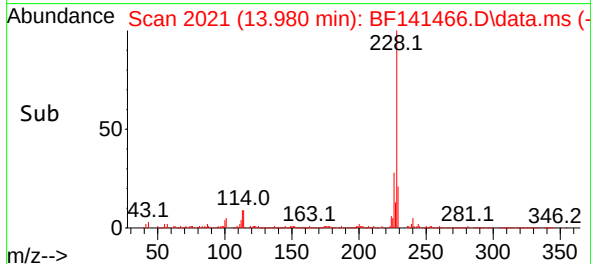
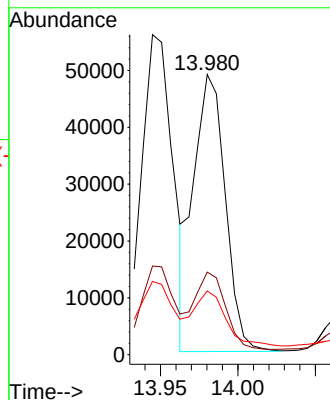
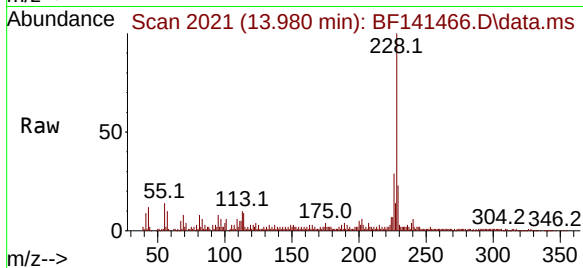
Tgt Ion:228 Resp: 69248

Ion Ratio Lower Upper

228 100

226 29.5 24.1 36.1

229 22.7 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 2265

Delta R.T. -0.024 min

Lab File: BF141466.D

Acq: 05 Feb 2025 23:41

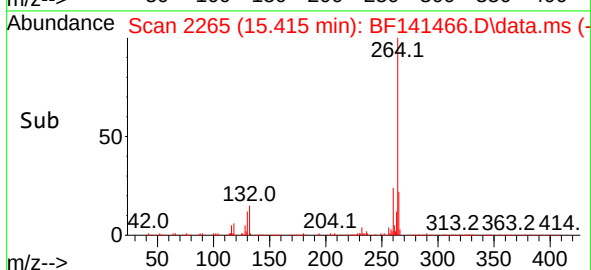
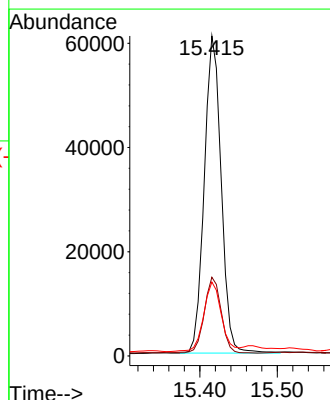
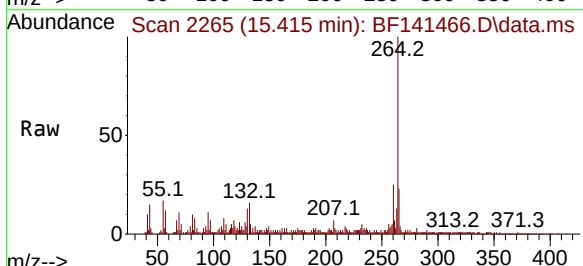
Tgt Ion:264 Resp: 92226

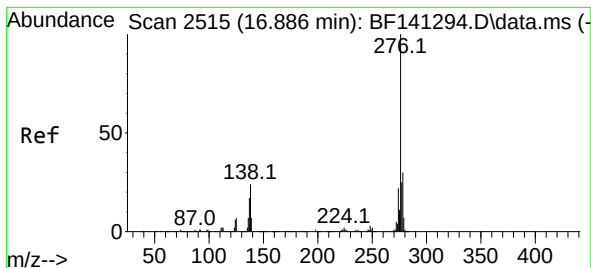
Ion Ratio Lower Upper

264 100

260 24.6 18.6 27.8

265 23.1 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.559 ng

RT: 16.856 min Scan# 2194

Delta R.T. -0.041 min

Lab File: BF141466.D

Acq: 05 Feb 2025 23:41

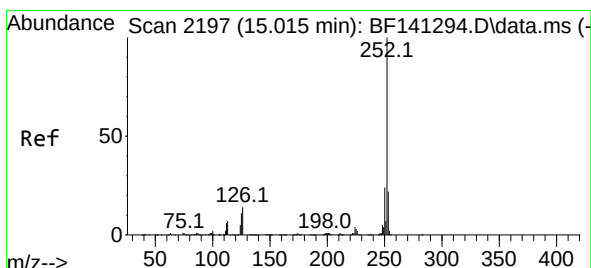
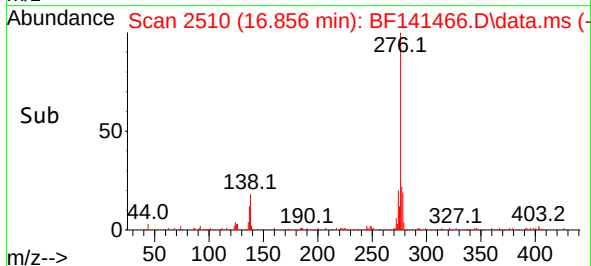
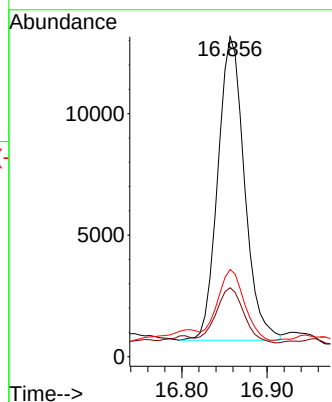
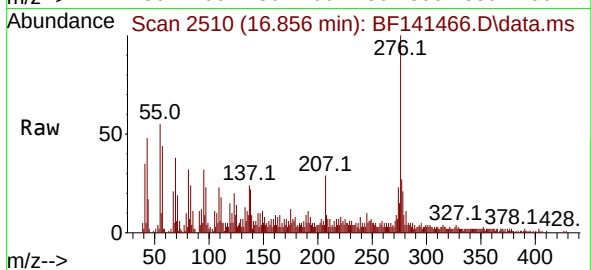
Instrument :

BNA_F

ClientSampleId :

JPP-16.3-012725

Tgt Ion:	276	Resp:	27139
Ion Ratio	Lower	Upper	
276	100		
138	19.2	21.7	32.5#
277	24.5	20.3	30.5



#88

Benzo(b)fluoranthene

Concen: 15.877 ng

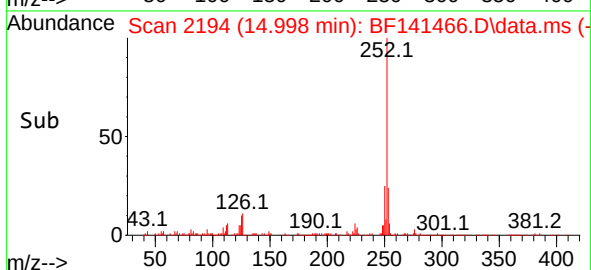
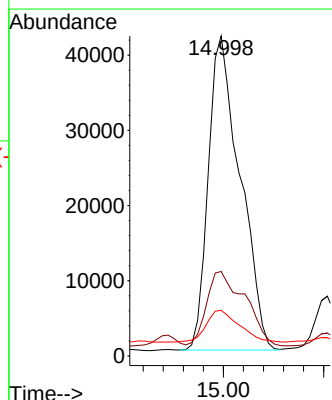
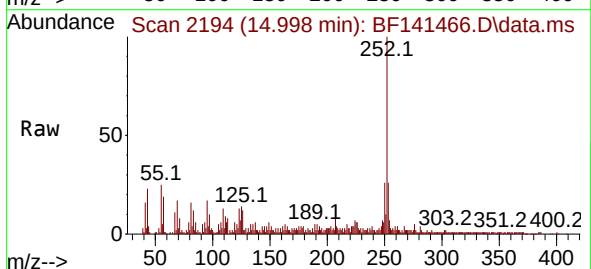
RT: 14.998 min Scan# 2194

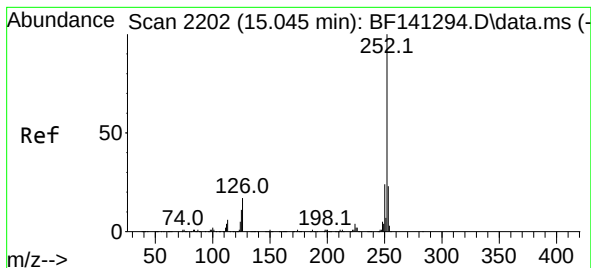
Delta R.T. -0.024 min

Lab File: BF141466.D

Acq: 05 Feb 2025 23:41

Tgt Ion:	252	Resp:	92105
Ion Ratio	Lower	Upper	
252	100		
253	26.4	17.4	26.2#
125	14.3	8.6	12.8#





#89

Benzo(k)fluoranthene

Concen: 17.922 ng

RT: 14.998 min Scan# 2194

Delta R.T. -0.053 min

Lab File: BF141466.D

Acq: 05 Feb 2025 23:41

Instrument :

BNA_F

ClientSampleId :

JPP-16.3-012725

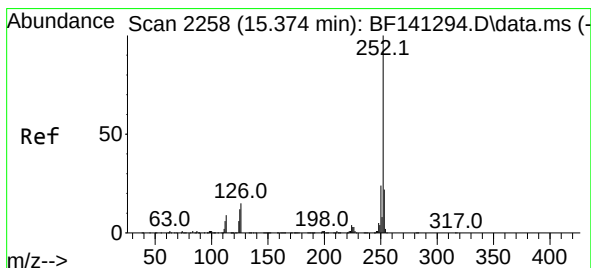
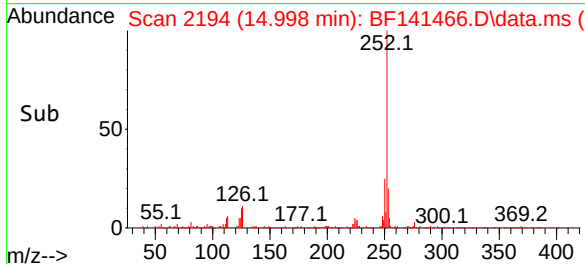
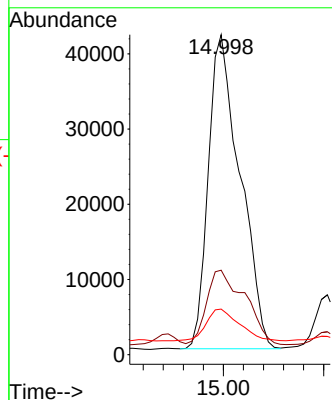
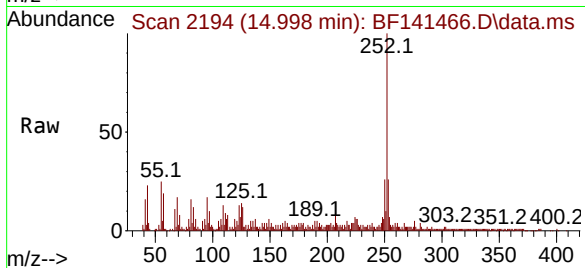
Tgt Ion:252 Resp: 92105

Ion Ratio Lower Upper

252 100

253 26.4 17.6 26.4#

125 14.3 8.4 12.6#



#90

Benzo(a)pyrene

Concen: 10.481 ng

RT: 15.357 min Scan# 2255

Delta R.T. -0.024 min

Lab File: BF141466.D

Acq: 05 Feb 2025 23:41

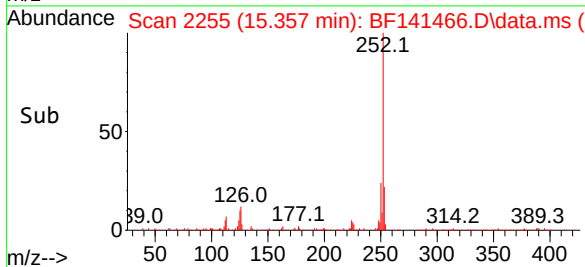
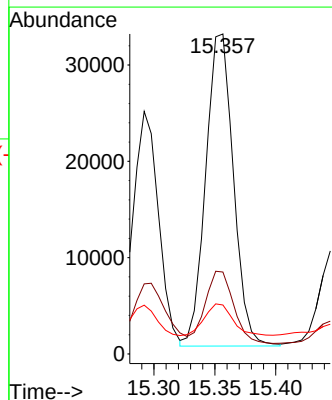
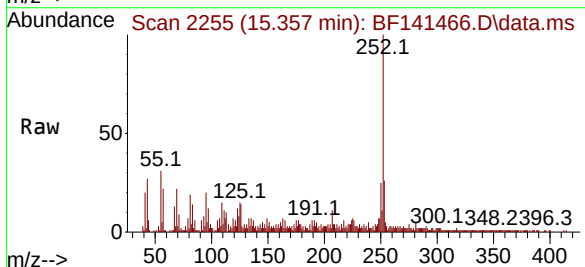
Tgt Ion:252 Resp: 51379

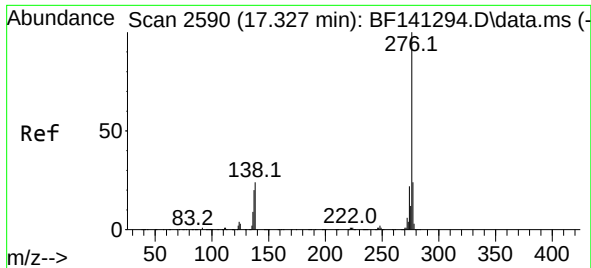
Ion Ratio Lower Upper

252 100

253 25.6 17.2 25.8

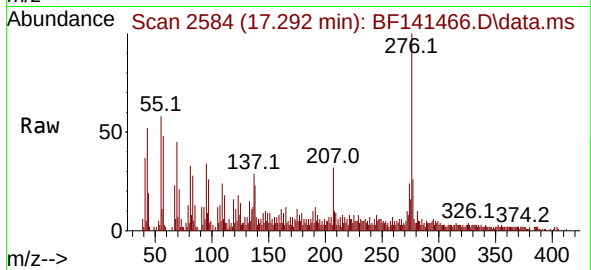
125 15.3 9.4 14.2#





#92
Benzo(g,h,i)perylene
Concen: 5.348 ng
RT: 17.292 min Scan# 21
Delta R.T. -0.053 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

Instrument :
BNA_F
ClientSampleId :
JPP-16.3-012725



Tgt Ion:276 Resp: 26633
Ion Ratio Lower Upper
276 100
277 26.3 19.2 28.8
138 22.7 19.0 28.4

