

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141519.D
 Acq On : 07 Feb 2025 20:21
 Operator : RC/JU
 Sample : Q1232-15
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-42.2-012925

Quant Time: Feb 07 22:26:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

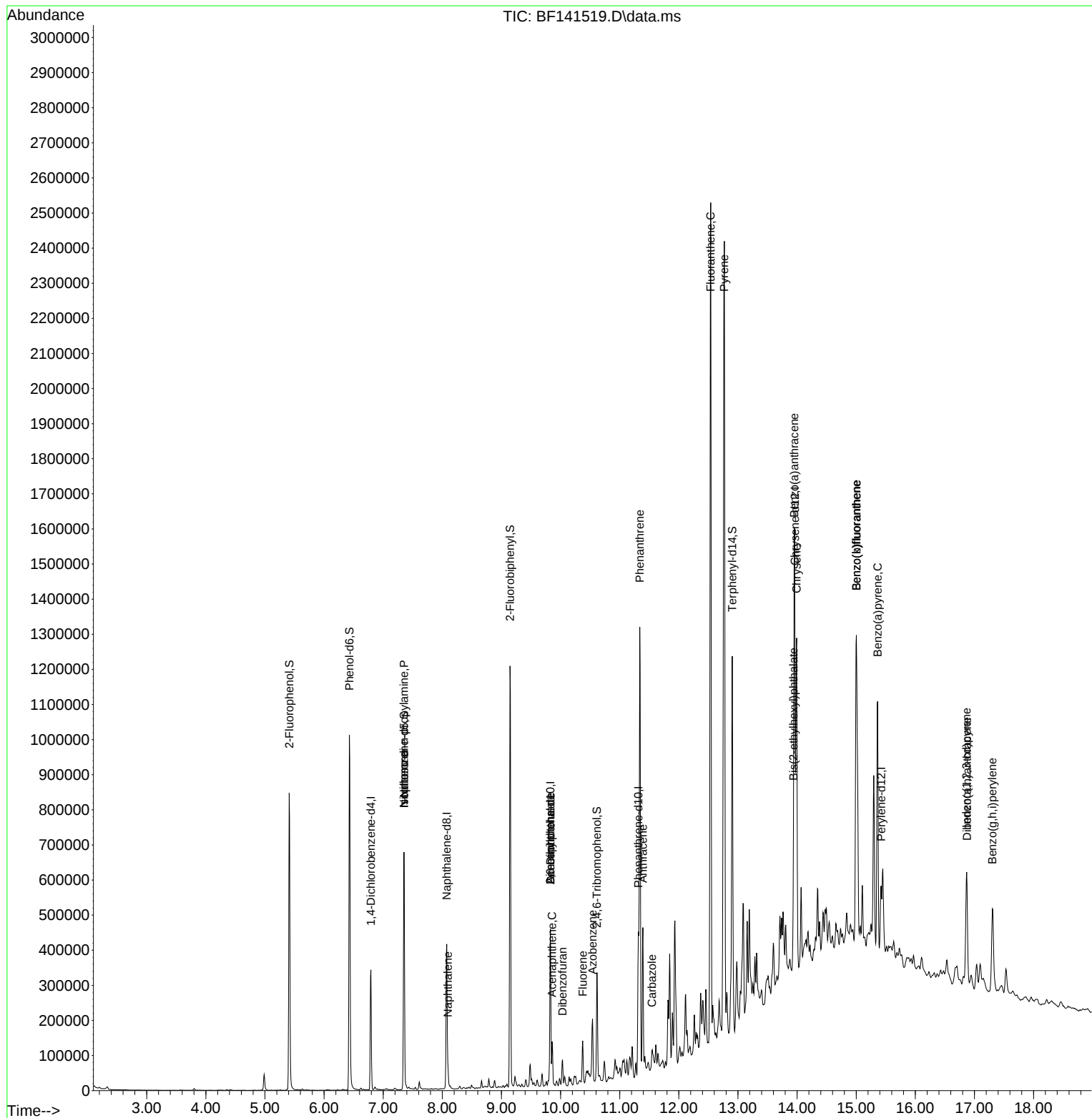
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	70012	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	264489	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	130756	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	201587	20.000	ng	0.00
76) Chrysene-d12	13.963	240	129006	20.000	ng	0.00
86) Perylene-d12	15.421	264	98648	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	315729	70.700	ng	0.00
7) Phenol-d6	6.428	99	443740	78.616	ng	-0.01
23) Nitrobenzene-d5	7.351	82	282536	55.717	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	38267	29.134	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	530802	62.542	ng	0.00
79) Terphenyl-d14	12.904	244	487603	63.808	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	38563	11.422	ng	# 77
25) Isophorone	7.351	82	269971	33.390	ng	# 66
31) Naphthalene	8.092	128	29039	2.109	ng	98
50) Dimethylphthalate	9.827	163	19488	2.195	ng	# 1
51) 2,6-Dinitrotoluene	9.827	165	17914	9.232	ng	# 23
52) Acenaphthene	9.857	154	36793	4.908	ng	98
55) Dibenzofuran	10.033	168	30877	2.806	ng	# 97
58) Fluorene	10.374	166	43599	5.125	ng	99
63) Azobenzene	10.539	77	35478	4.086	ng	# 1
71) Phenanthrene	11.339	178	684559	61.692	ng	100
72) Anthracene	11.392	178	229751	20.597	ng	100
73) Carbazole	11.545	167	24372	2.428	ng	93
75) Fluoranthene	12.539	202	1436009	122.064	ng	99
78) Pyrene	12.768	202	1402000	127.665	ng	99
81) Benzo(a)anthracene	13.951	228	688257	80.259	ng	97
83) Chrysene	13.992	228	472332	59.652	ng	96
84) Bis(2-ethylhexyl)phtha...	13.939	149	17258	4.023	ng	# 96
87) Indeno(1,2,3-cd)pyrene	16.868	276	248666	40.796	ng	96
88) Benzo(b)fluoranthene	15.004	252	792673	119.672	ng	# 97
89) Benzo(k)fluoranthene	15.004	252	792673	140.145	ng	98
90) Benzo(a)pyrene	15.362	252	444248	82.887	ng	97
91) Dibenzo(a,h)anthracene	16.874	278	62555	12.666	ng	# 88
92) Benzo(g,h,i)perylene	17.303	276	237741	45.998	ng	98

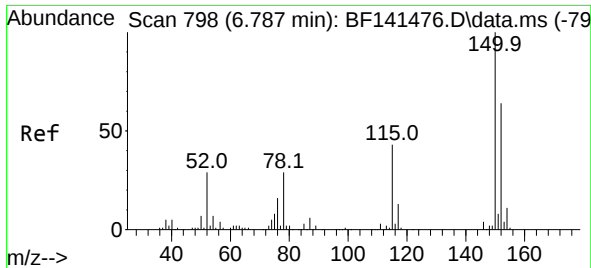
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141519.D
Acq On : 07 Feb 2025 20:21
Operator : RC/JU
Sample : Q1232-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-42.2-012925

Quant Time: Feb 07 22:26:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

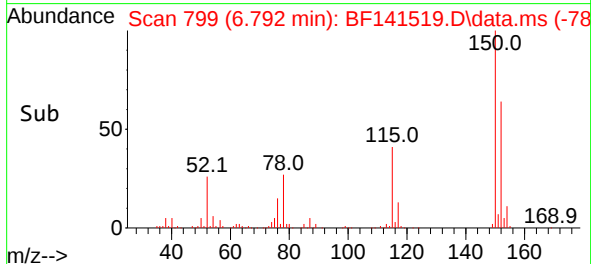
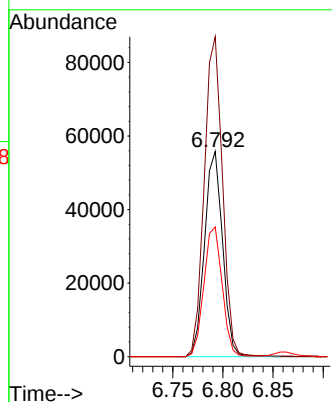
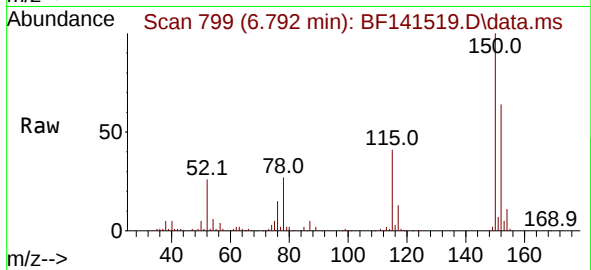




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

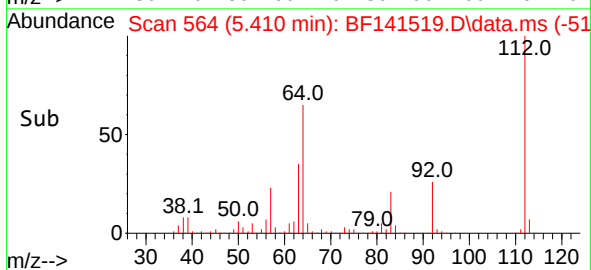
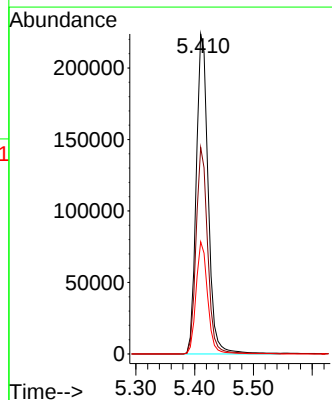
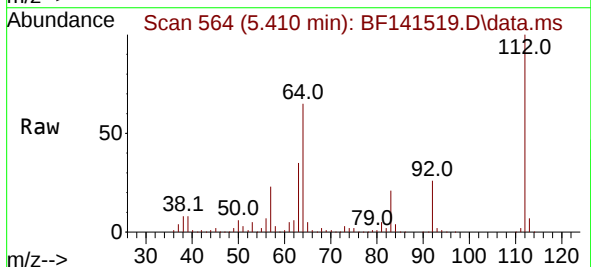
Instrument :
BNA_F
ClientSampleId :
JPP-42.2-012925

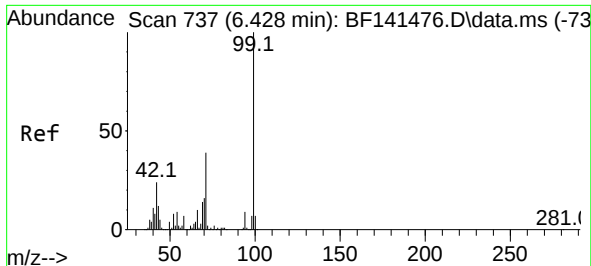
Tgt Ion:152 Resp: 70012
Ion Ratio Lower Upper
152 100
150 155.9 125.0 187.4
115 63.2 53.6 80.4



#5
2-Fluorophenol
Concen: 70.700 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

Tgt Ion:112 Resp: 315729
Ion Ratio Lower Upper
112 100
64 64.6 51.1 76.7
63 35.1 28.4 42.6

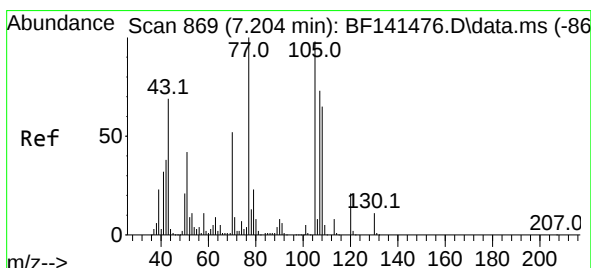
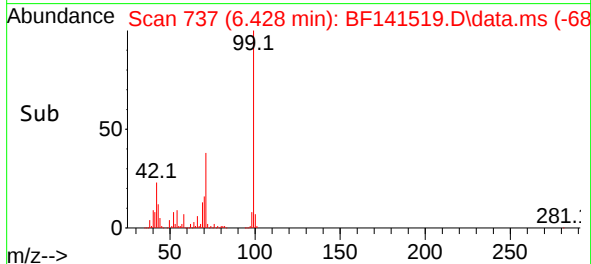
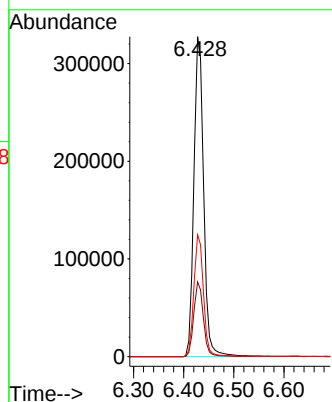
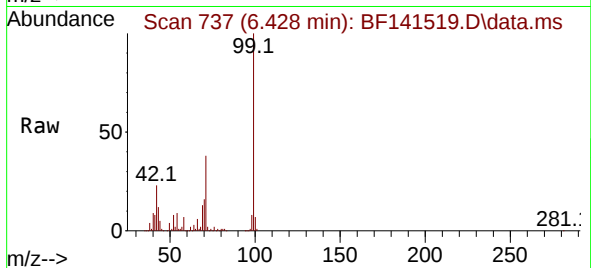




#7
Phenol-d6
Concen: 78.616 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

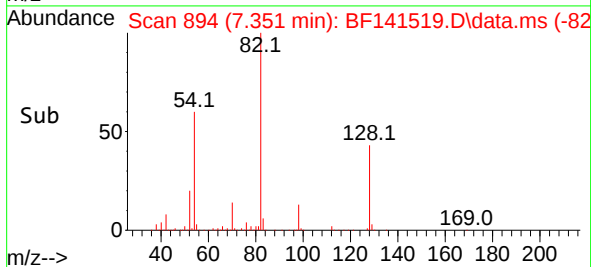
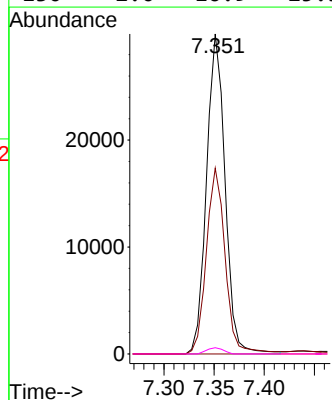
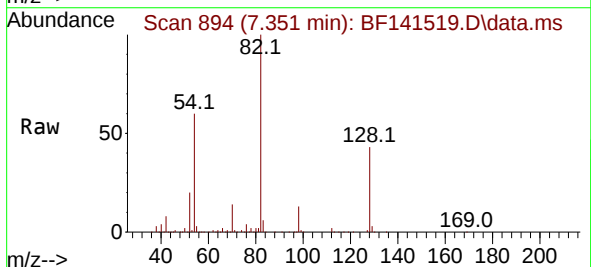
Instrument :
BNA_F
ClientSampleId :
JPP-42.2-012925

Tgt Ion: 99 Resp: 443740
Ion Ratio Lower Upper
99 100
42 23.4 19.1 28.7
71 38.1 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 11.422 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

Tgt Ion: 70 Resp: 38563
Ion Ratio Lower Upper
70 100
42 58.0 57.4 86.2
101 0.0 8.0 12.0#
130 2.0 16.9 25.3#

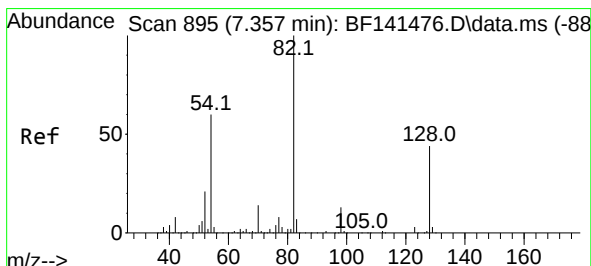
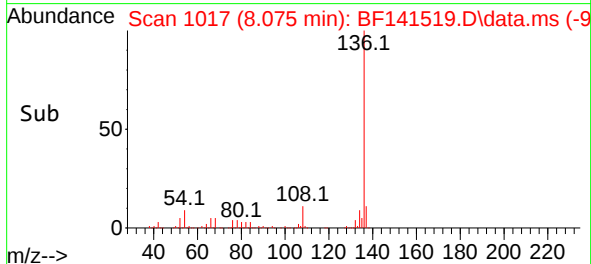
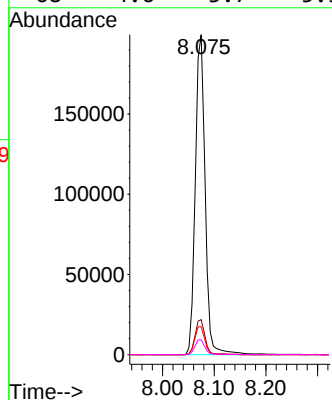
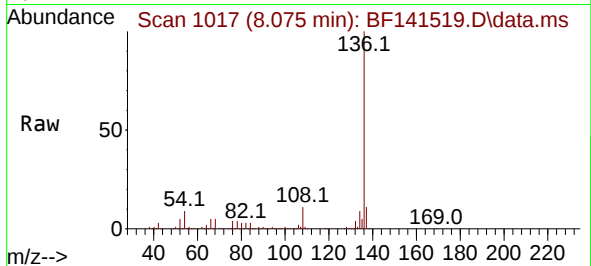




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

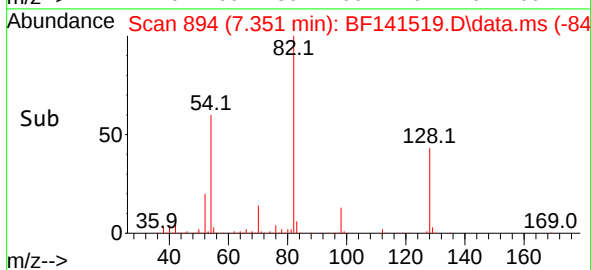
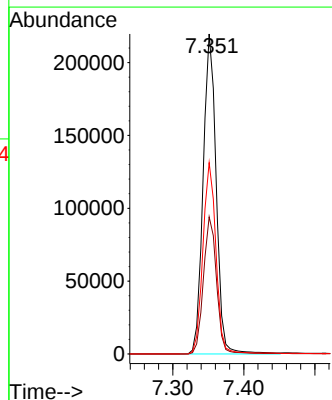
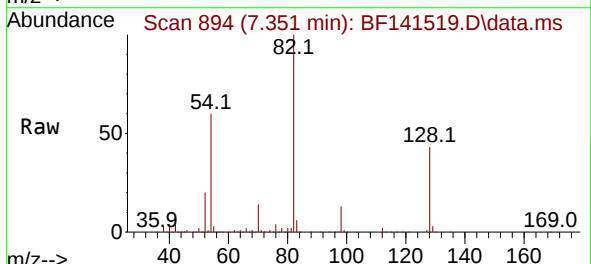
Instrument :
BNA_F
ClientSampleId :
JPP-42.2-012925

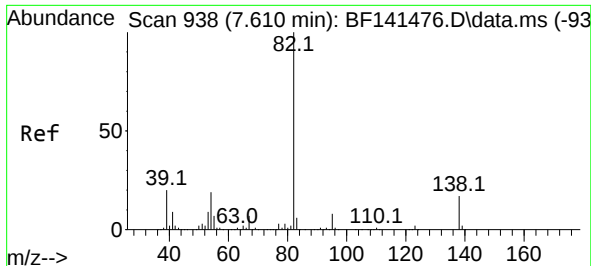
Tgt Ion:	136	Resp:	264489
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.6	13.0
54	8.8	7.2	10.8
68	4.6	3.7	5.5



#23
Nitrobenzene-d5
Concen: 55.717 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

Tgt Ion:	82	Resp:	282536
Ion Ratio	Lower	Upper	
82	100		
128	42.9	34.8	52.2
54	59.8	48.2	72.4

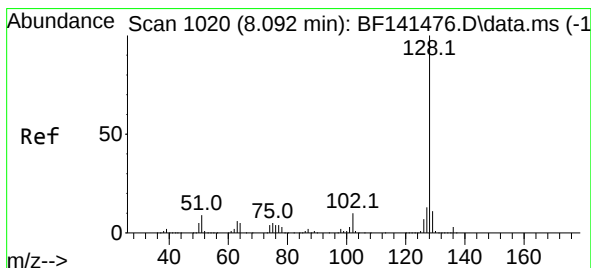
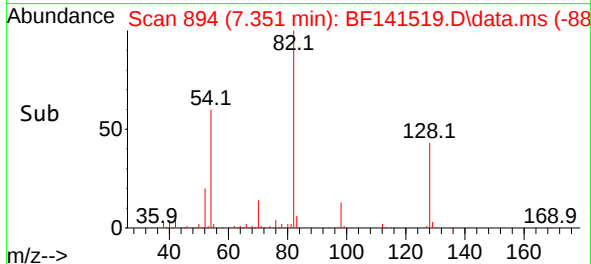
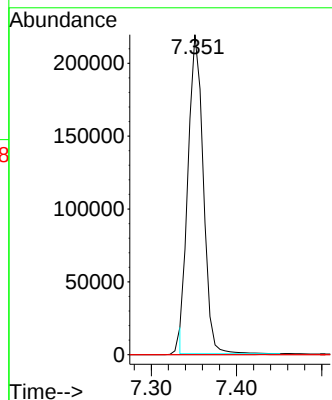
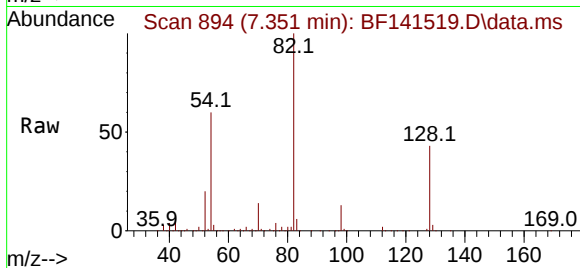




#25
Isophorone
Concen: 33.390 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.271 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

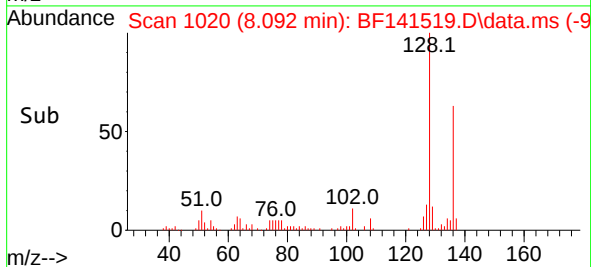
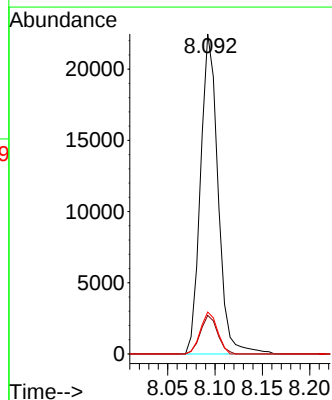
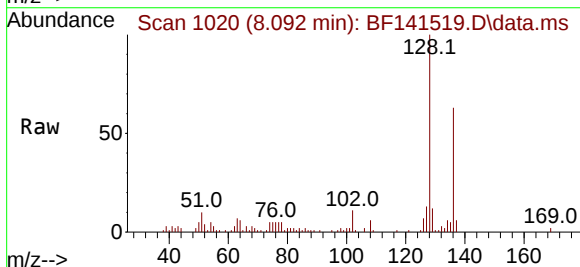
Instrument :
BNA_F
ClientSampleId :
JPP-42.2-012925

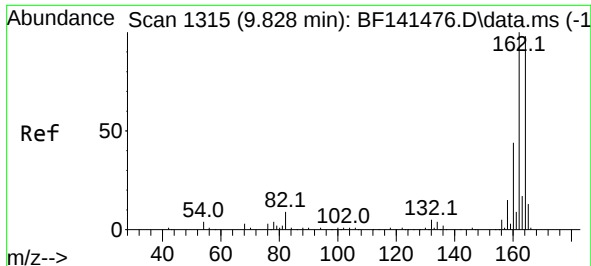
Tgt Ion: 82 Resp: 269971
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#31
Naphthalene
Concen: 2.109 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

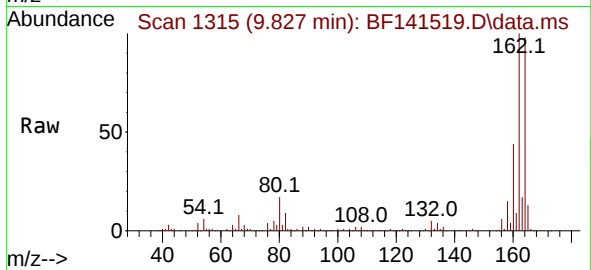
Tgt Ion: 128 Resp: 29039
Ion Ratio Lower Upper
128 100
129 12.1 8.9 13.3
127 13.1 10.7 16.1



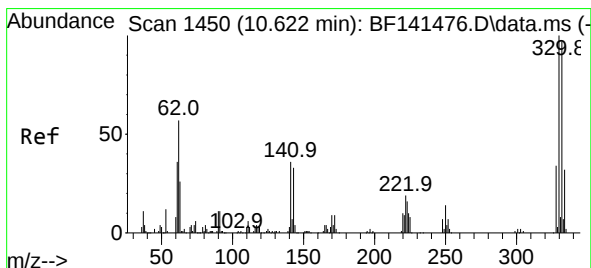
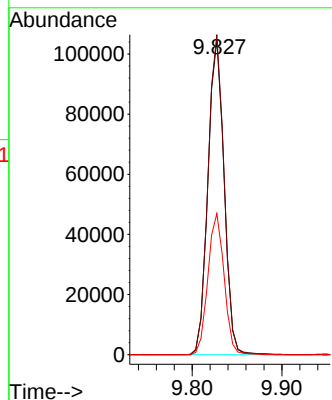
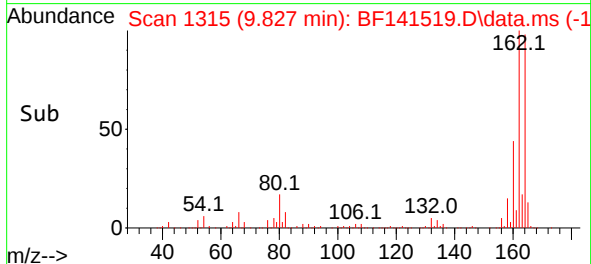


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

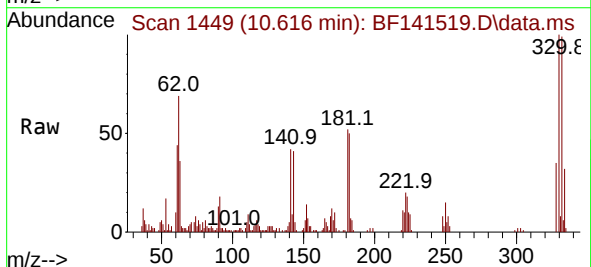
Instrument :
BNA_F
ClientSampleId :
JPP-42.2-012925



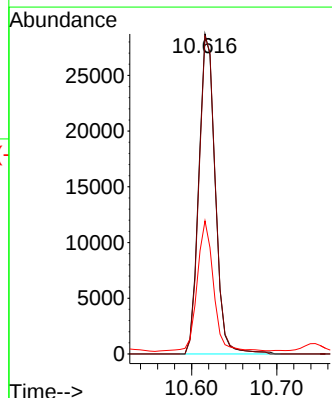
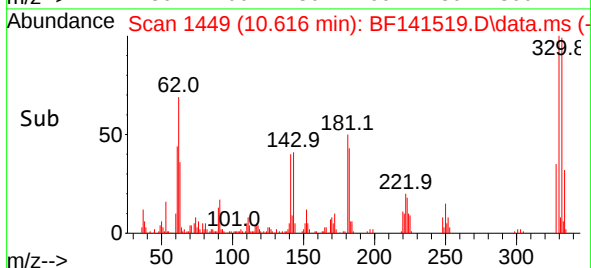
Tgt Ion:164 Resp: 130756
Ion Ratio Lower Upper
164 100
162 101.7 81.3 121.9
160 44.9 35.9 53.9

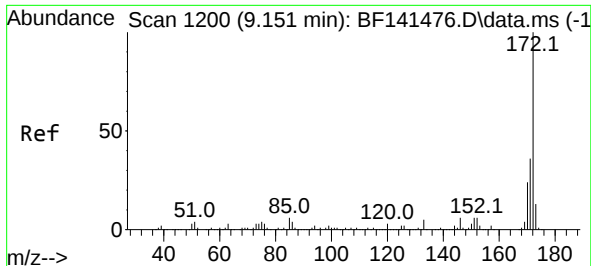


#42
2,4,6-Tribromophenol
Concen: 29.134 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21



Tgt Ion:330 Resp: 38267
Ion Ratio Lower Upper
330 100
332 99.4 78.5 117.7
141 41.0 31.0 46.4

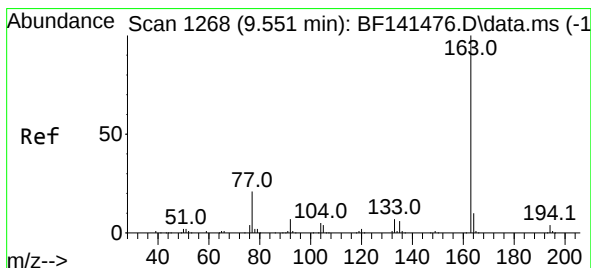
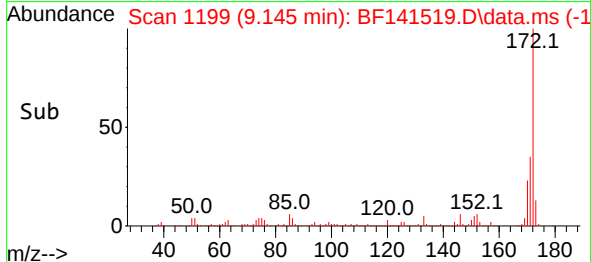
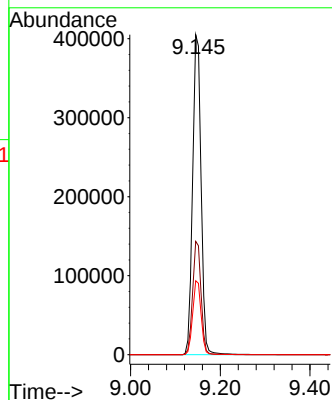
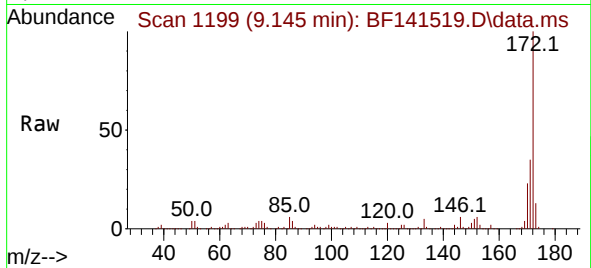




#45
2-Fluorobiphenyl
Concen: 62.542 ng
RT: 9.145 min Scan# 1119
Delta R.T. -0.006 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

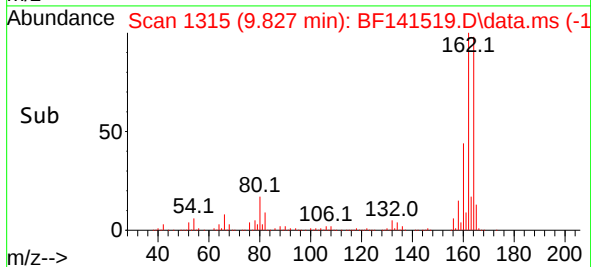
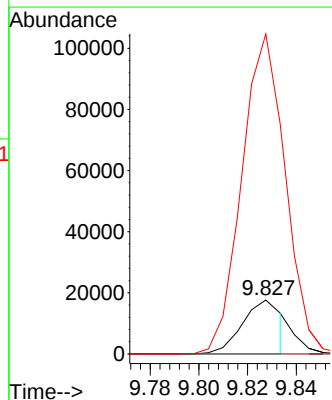
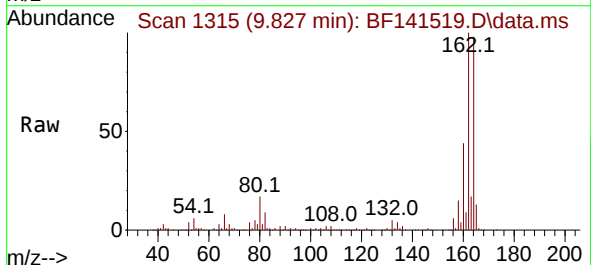
Instrument :
BNA_F
ClientSampleId :
JPP-42.2-012925

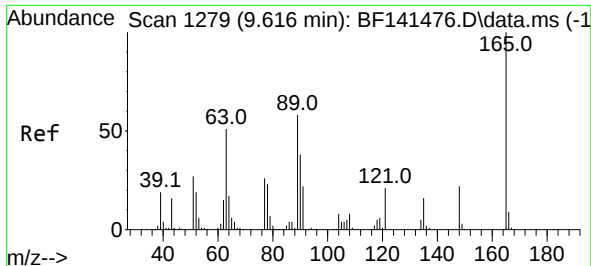
Tgt Ion:172 Resp: 530802
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 23.1 18.9 28.3



#50
Dimethylphthalate
Concen: 2.195 ng
RT: 9.827 min Scan# 1315
Delta R.T. 0.265 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

Tgt Ion:163 Resp: 19488
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 593.2 7.9 11.9#

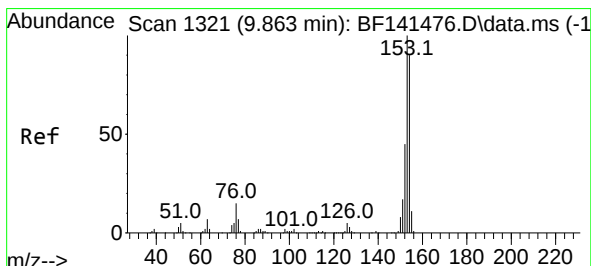
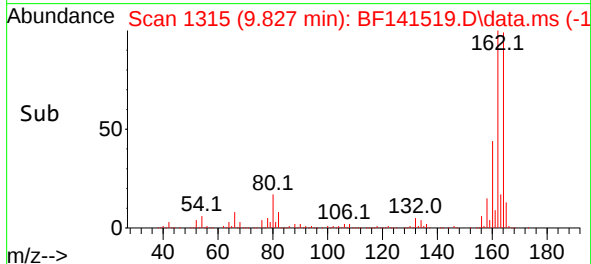
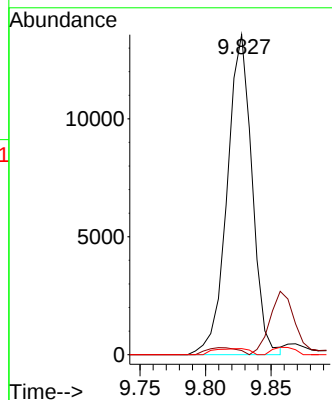
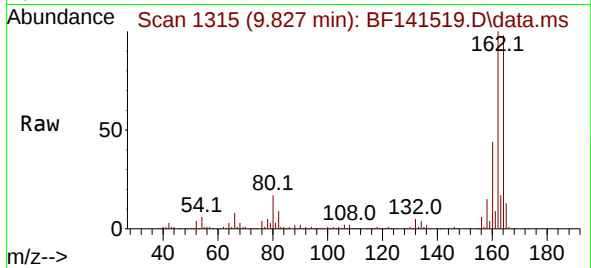




#51
2,6-Dinitrotoluene
Concen: 9.232 ng
RT: 9.827 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

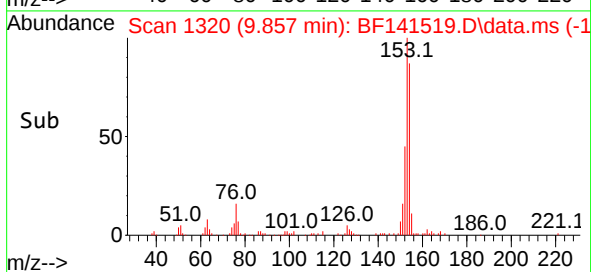
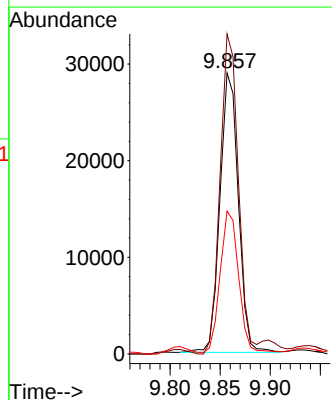
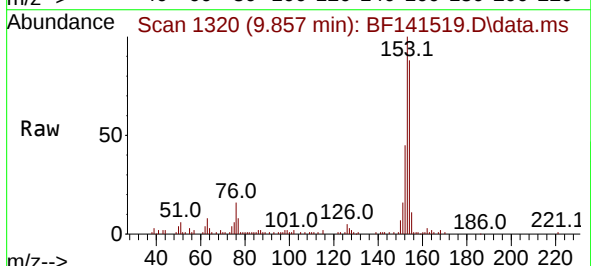
Instrument :
BNA_F
ClientSampleId :
JPP-42.2-012925

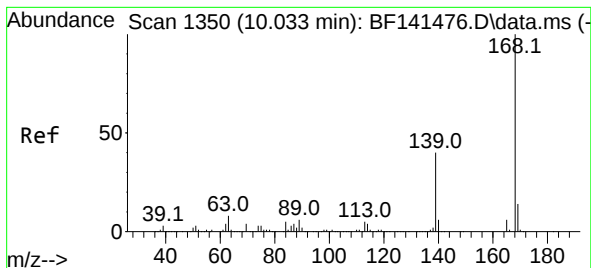
Tgt Ion:165 Resp: 17914
Ion Ratio Lower Upper
165 100
63 1.3 49.4 74.0#
89 1.9 46.5 69.7#



#52
Acenaphthene
Concen: 4.908 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

Tgt Ion:154 Resp: 36793
Ion Ratio Lower Upper
154 100
153 113.9 89.2 133.8
152 50.9 39.8 59.8

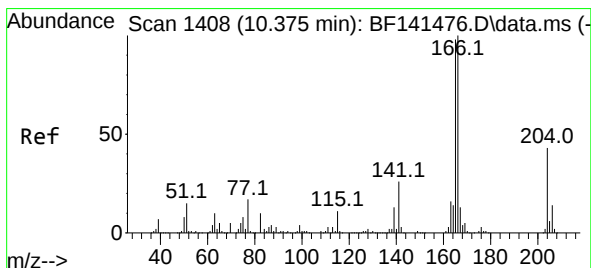
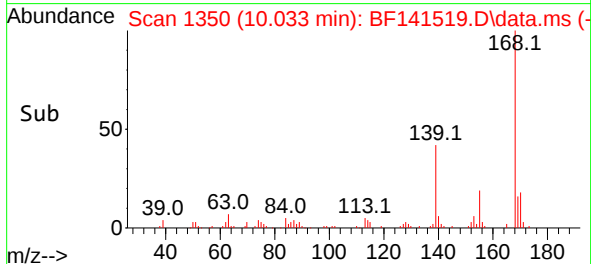
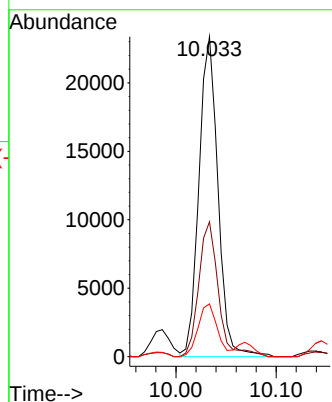
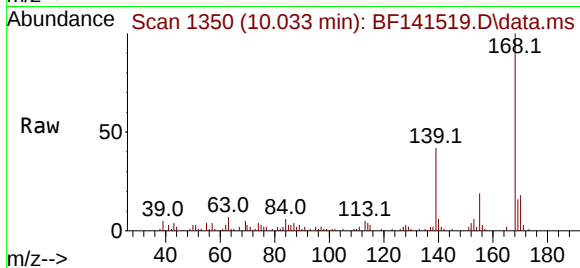




#55
Dibenzenofuran
Concen: 2.806 ng
RT: 10.033 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

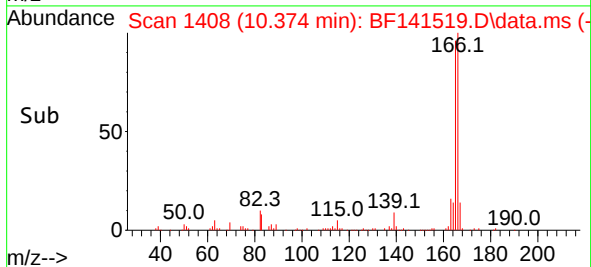
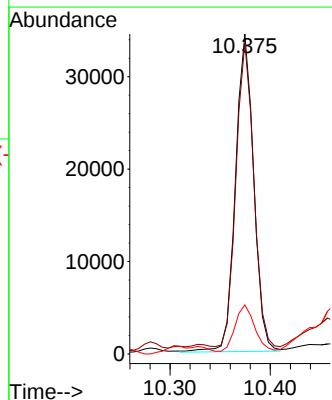
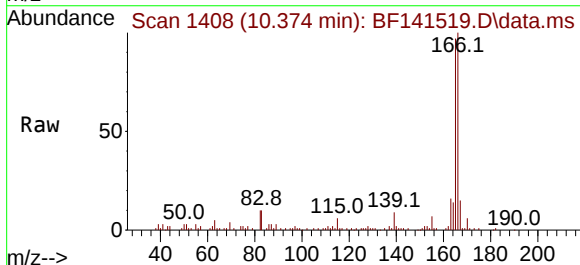
Instrument :
BNA_F
ClientSampleId :
JPP-42.2-012925

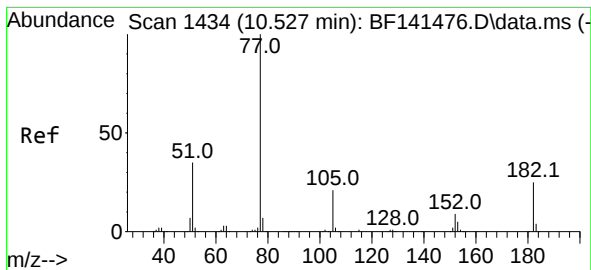
Tgt Ion:168 Resp: 30877
Ion Ratio Lower Upper
168 100
139 42.2 32.7 49.1
169 16.5 10.8 16.2#



#58
Fluorene
Concen: 5.125 ng
RT: 10.374 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

Tgt Ion:166 Resp: 43599
Ion Ratio Lower Upper
166 100
165 97.2 78.2 117.2
167 15.3 10.7 16.1





#63

Azobenzene

Concen: 4.086 ng

RT: 10.539 min Scan# 1436

Delta R.T. 0.006 min

Lab File: BF141519.D

Acq: 07 Feb 2025 20:21

Instrument :

BNA_F

ClientSampleId :

JPP-42.2-012925

Tgt Ion: 77 Resp: 35478

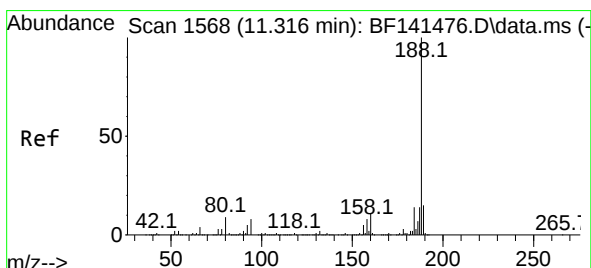
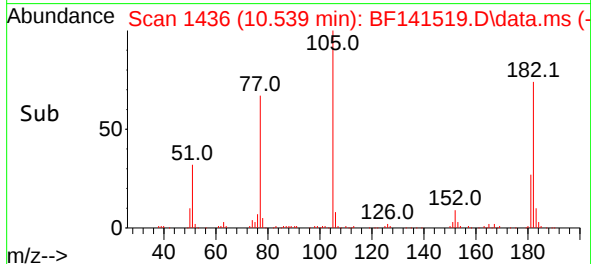
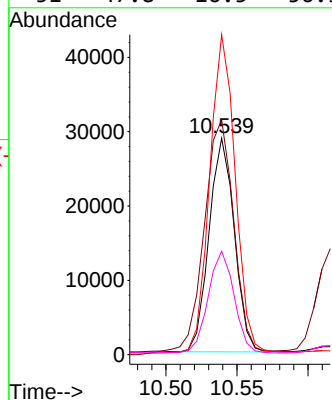
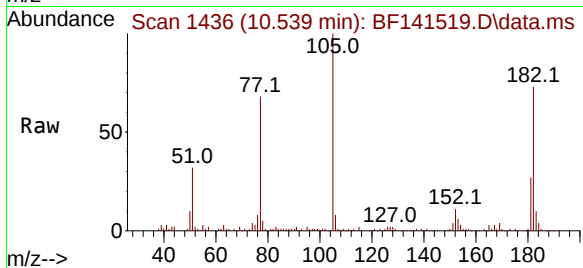
Ion Ratio Lower Upper

77 100

182 108.6 4.7 44.7#

105 147.9 0.4 40.4#

51 47.8 16.5 56.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1568

Delta R.T. 0.000 min

Lab File: BF141519.D

Acq: 07 Feb 2025 20:21

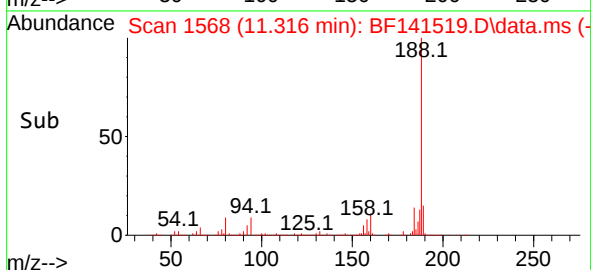
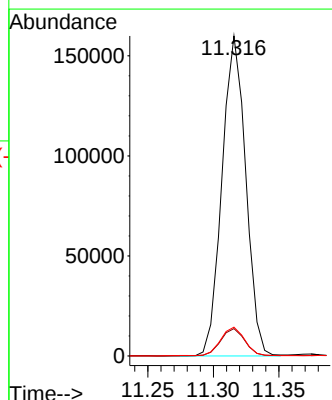
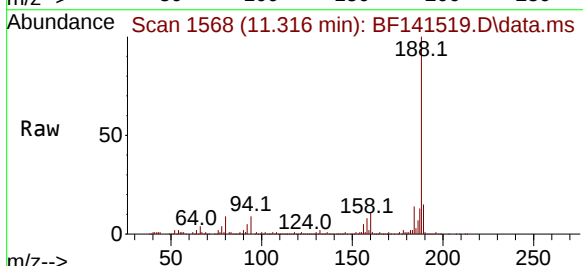
Tgt Ion:188 Resp: 201587

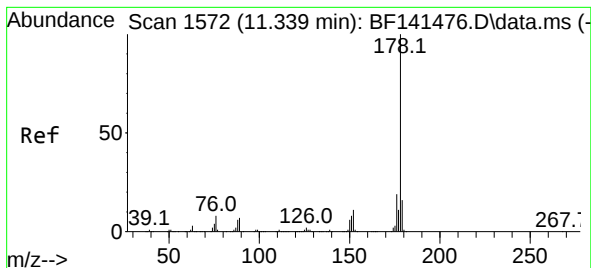
Ion Ratio Lower Upper

188 100

94 8.5 6.6 10.0

80 9.0 7.3 10.9





#71

Phenanthrene

Concen: 61.692 ng

RT: 11.339 min Scan# 1572

Delta R.T. -0.006 min

Lab File: BF141519.D

Acq: 07 Feb 2025 20:21

Instrument :

BNA_F

ClientSampleId :

JPP-42.2-012925

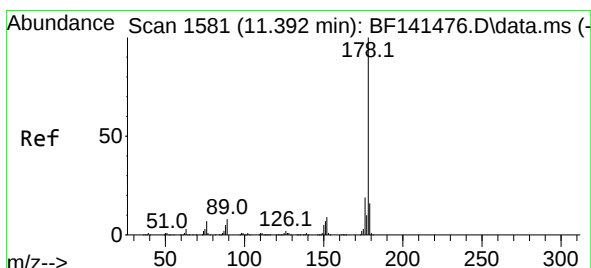
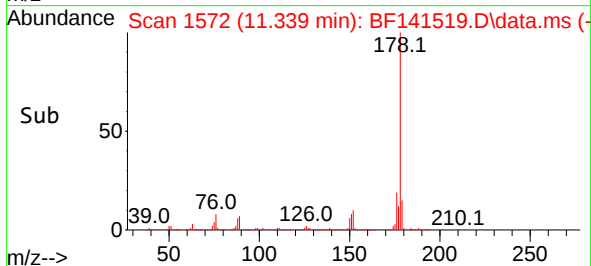
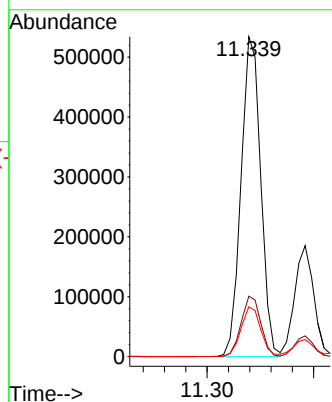
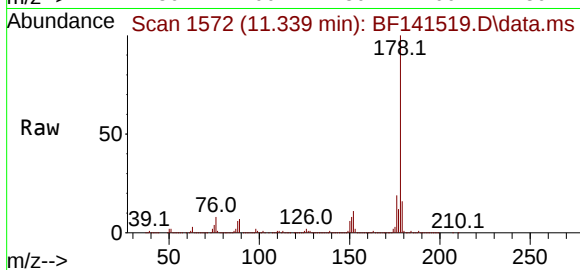
Tgt Ion:178 Resp: 684559

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

179 15.6 12.4 18.6



#72

Anthracene

Concen: 20.597 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF141519.D

Acq: 07 Feb 2025 20:21

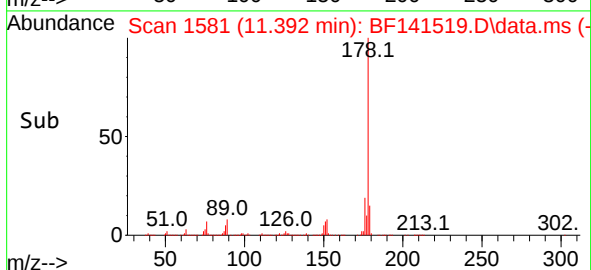
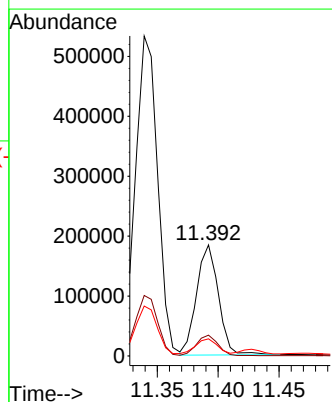
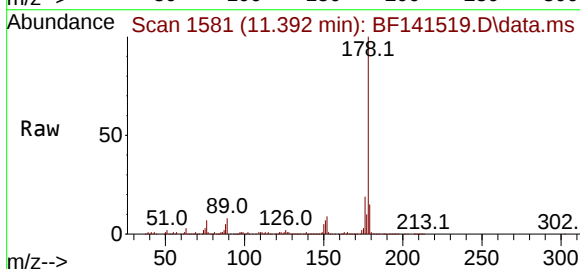
Tgt Ion:178 Resp: 229751

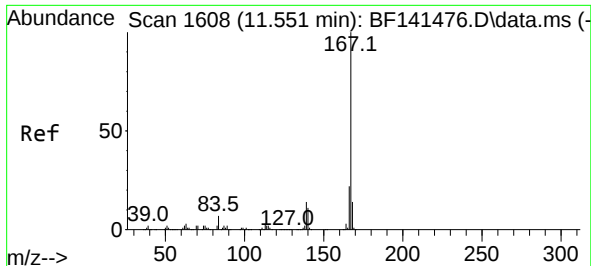
Ion Ratio Lower Upper

178 100

176 18.7 14.8 22.2

179 15.4 12.4 18.6

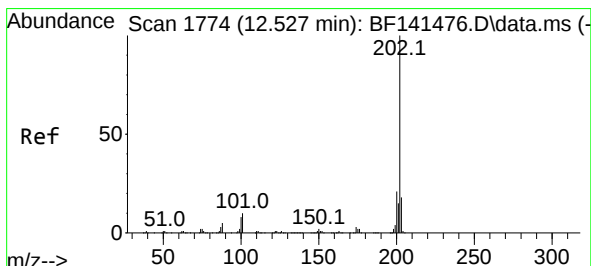
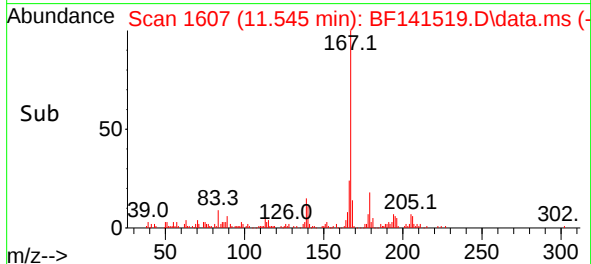
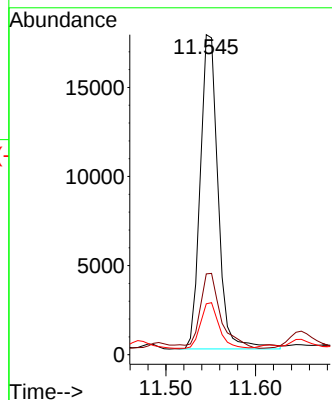
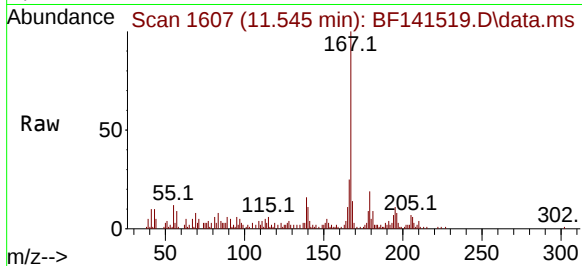




#73
 Carbazole
 Concen: 2.428 ng
 RT: 11.545 min Scan# 1607
 Delta R.T. -0.006 min
 Lab File: BF141519.D
 Acq: 07 Feb 2025 20:21

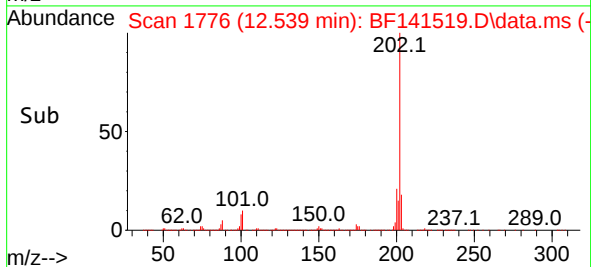
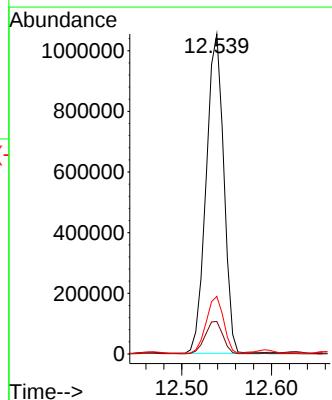
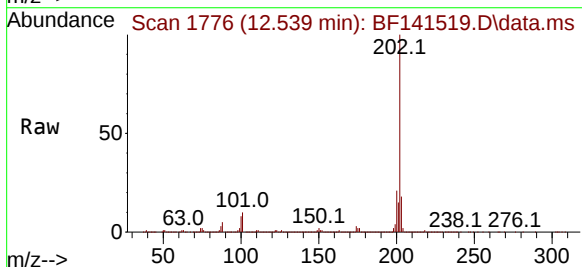
Instrument :
 BNA_F
 ClientSampleId :
 JPP-42.2-012925

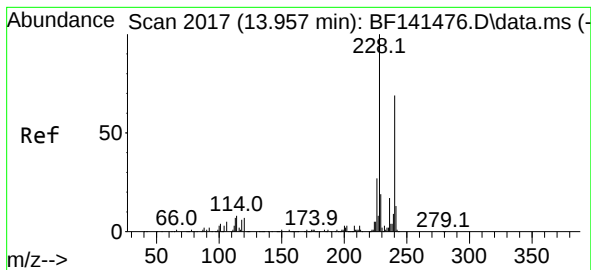
Tgt Ion:167 Resp: 24372
 Ion Ratio Lower Upper
 167 100
 166 25.2 17.4 26.2
 139 15.9 10.9 16.3



#75
 Fluoranthene
 Concen: 122.064 ng
 RT: 12.539 min Scan# 1776
 Delta R.T. 0.006 min
 Lab File: BF141519.D
 Acq: 07 Feb 2025 20:21

Tgt Ion:202 Resp: 1436009
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 30.2
 203 18.0 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF141519.D

Acq: 07 Feb 2025 20:21

Instrument :

BNA_F

ClientSampleId :

JPP-42.2-012925

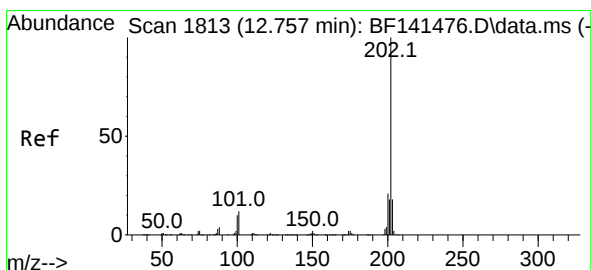
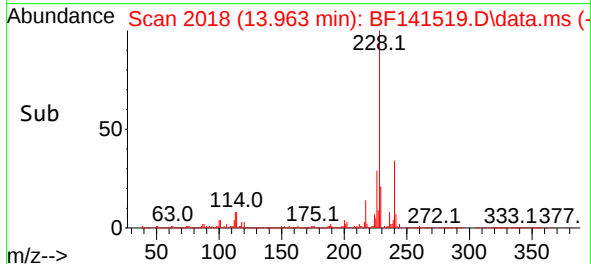
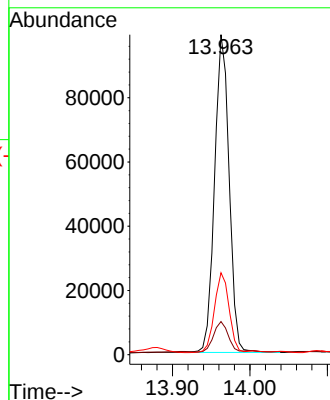
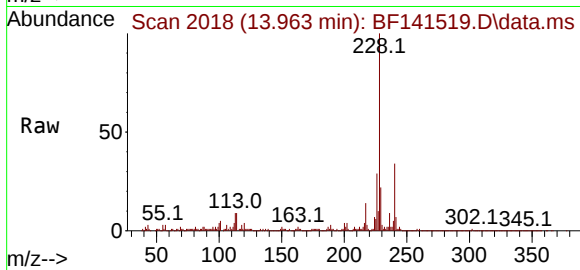
Tgt Ion:240 Resp: 129006

Ion Ratio Lower Upper

240 100

120 10.4 8.0 12.0

236 25.6 19.8 29.8



#78

Pyrene

Concen: 127.665 ng

RT: 12.768 min Scan# 1815

Delta R.T. 0.006 min

Lab File: BF141519.D

Acq: 07 Feb 2025 20:21

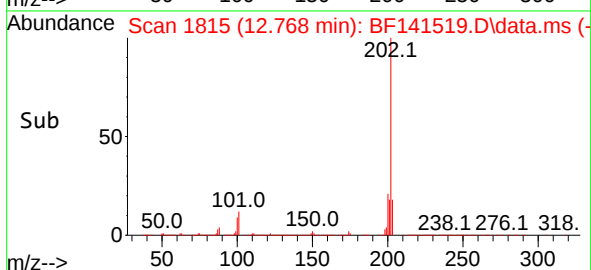
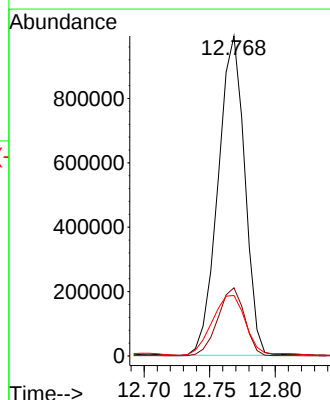
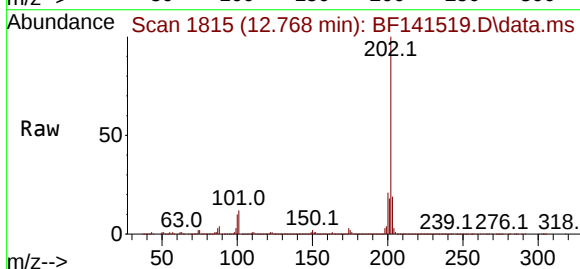
Tgt Ion:202 Resp: 1402000

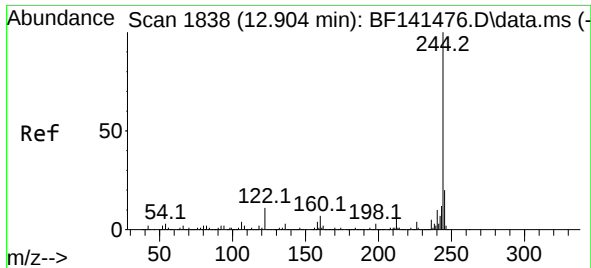
Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.4

203 18.9 14.3 21.5

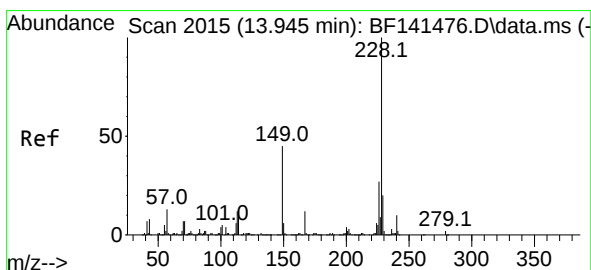
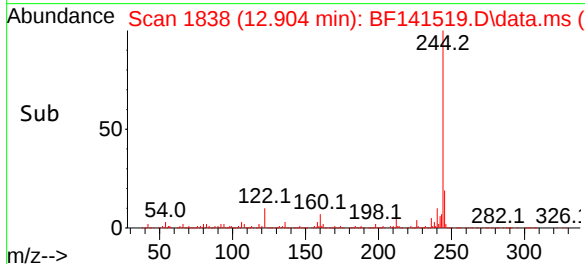
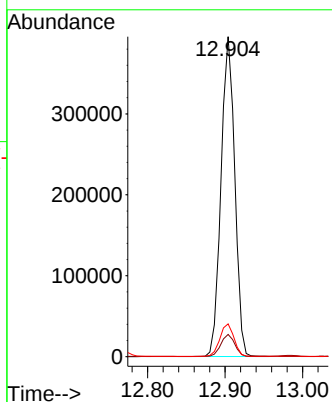
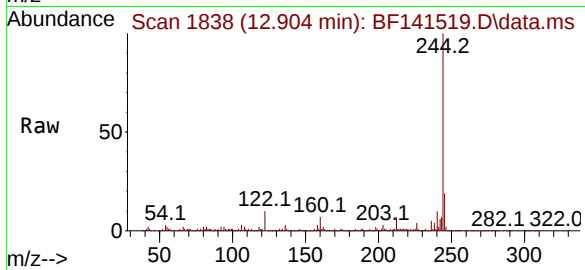




#79
 Terphenyl-d14
 Concen: 63.808 ng
 RT: 12.904 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF141519.D
 Acq: 07 Feb 2025 20:21

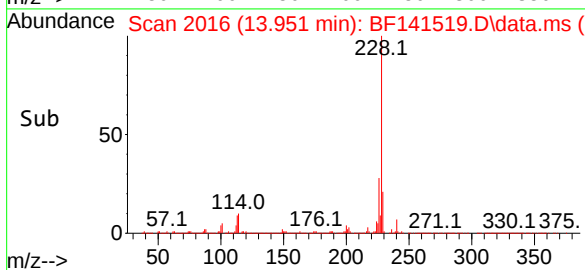
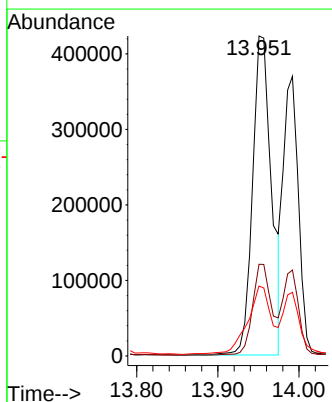
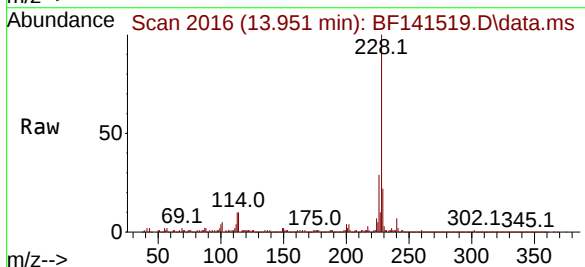
Instrument :
 BNA_F
 ClientSampleId :
 JPP-42.2-012925

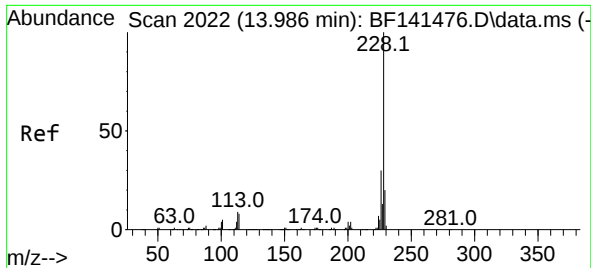
Tgt Ion:244 Resp: 487603
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 10.3 8.4 12.6



#81
 Benzo(a)anthracene
 Concen: 80.259 ng
 RT: 13.951 min Scan# 2016
 Delta R.T. 0.000 min
 Lab File: BF141519.D
 Acq: 07 Feb 2025 20:21

Tgt Ion:228 Resp: 688257
 Ion Ratio Lower Upper
 228 100
 226 28.7 21.8 32.8
 229 21.9 15.8 23.6

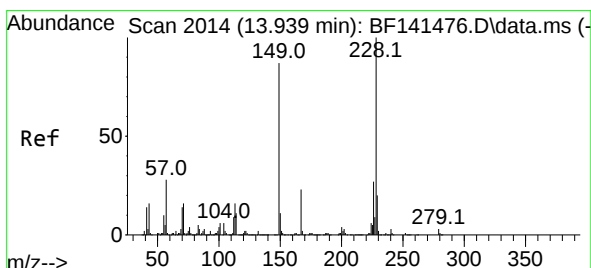
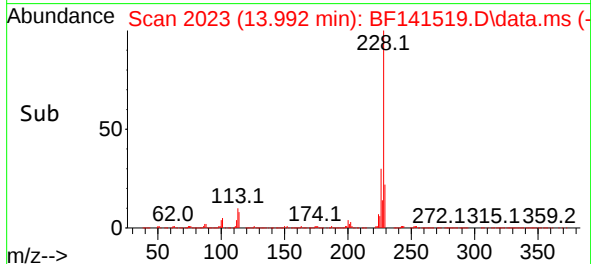
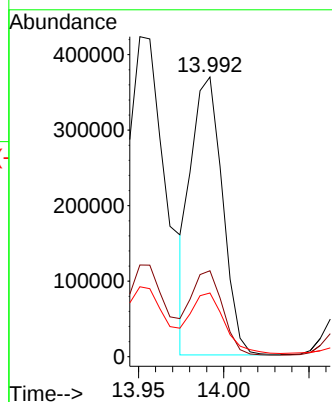
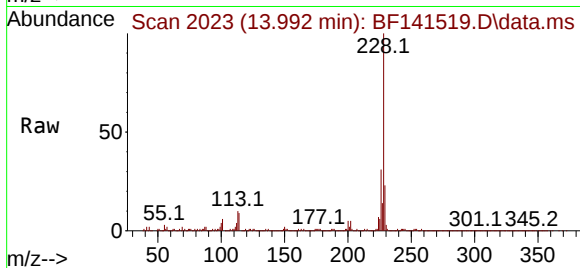




#83
Chrysene
Concen: 59.652 ng
RT: 13.992 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

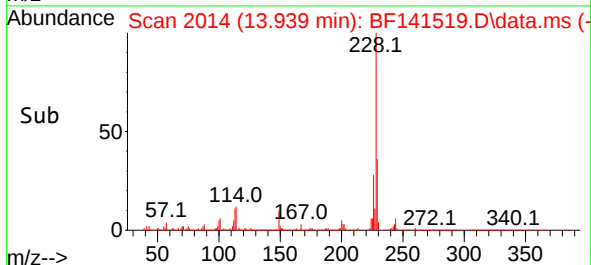
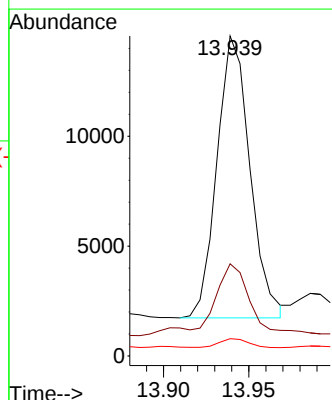
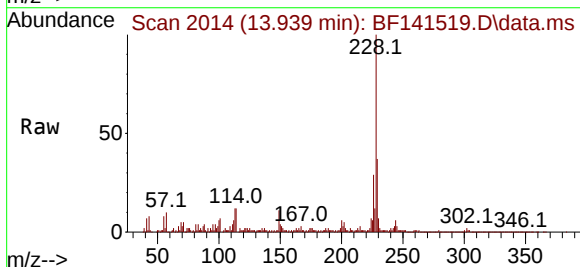
Instrument :
BNA_F
ClientSampleId :
JPP-42.2-012925

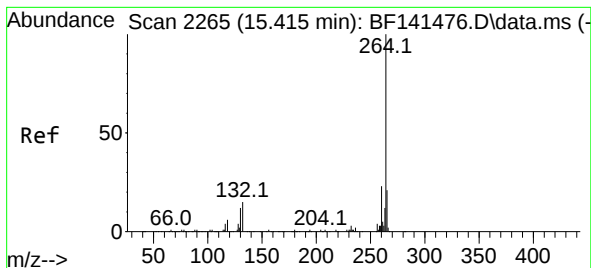
Tgt Ion:228 Resp: 472332
Ion Ratio Lower Upper
228 100
226 30.7 24.0 36.0
229 22.8 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.023 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

Tgt Ion:149 Resp: 17258
Ion Ratio Lower Upper
149 100
167 28.8 21.4 32.0
279 5.4 3.1 4.7#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141519.D

Acq: 07 Feb 2025 20:21

Instrument :

BNA_F

ClientSampleId :

JPP-42.2-012925

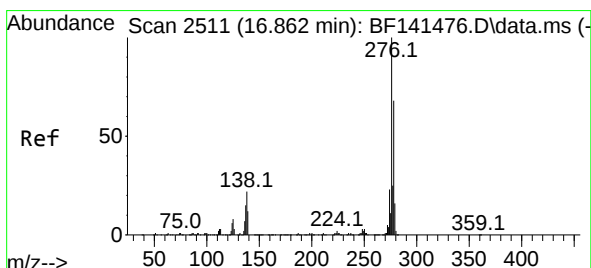
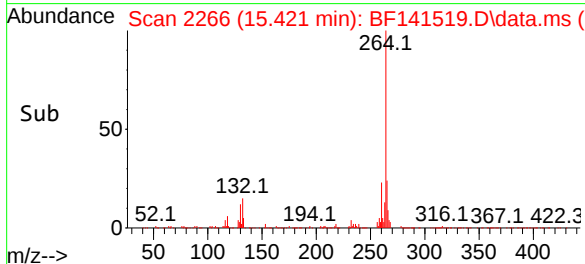
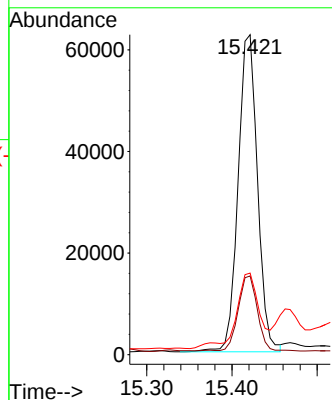
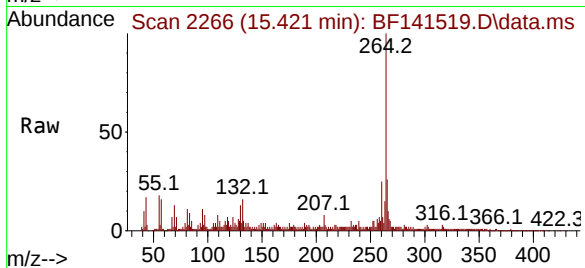
Tgt Ion:264 Resp: 98648

Ion Ratio Lower Upper

264 100

260 24.6 18.6 28.0

265 25.5 17.0 25.4#



#87

Indeno(1,2,3-cd)pyrene

Concen: 40.796 ng

RT: 16.868 min Scan# 2512

Delta R.T. -0.006 min

Lab File: BF141519.D

Acq: 07 Feb 2025 20:21

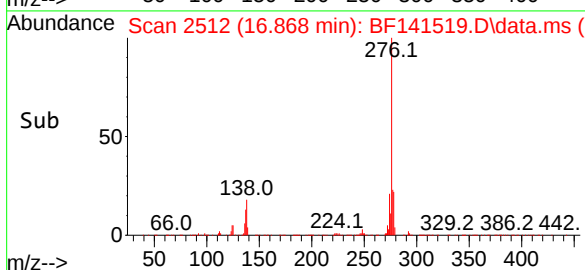
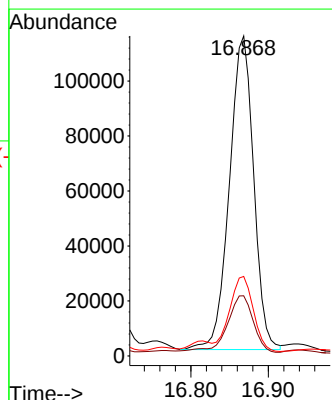
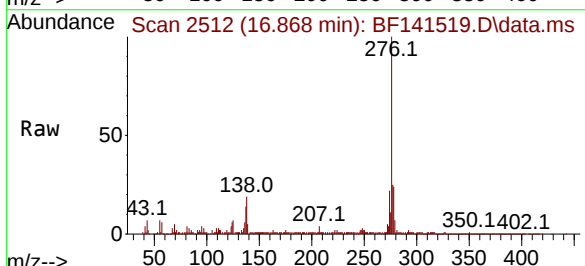
Tgt Ion:276 Resp: 248666

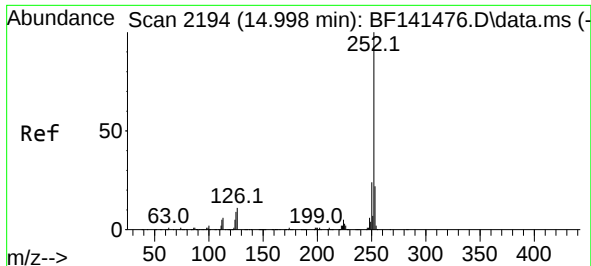
Ion Ratio Lower Upper

276 100

138 20.2 18.0 27.0

277 23.7 20.4 30.6

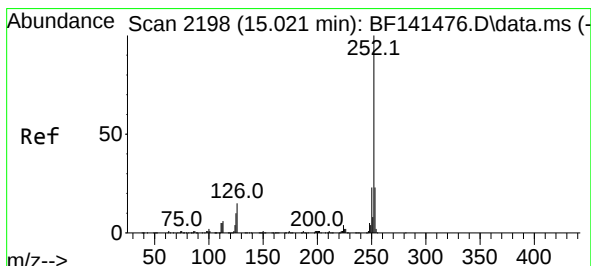
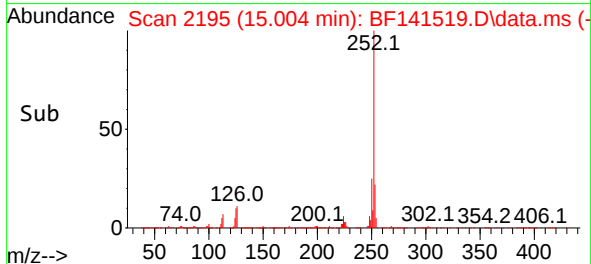
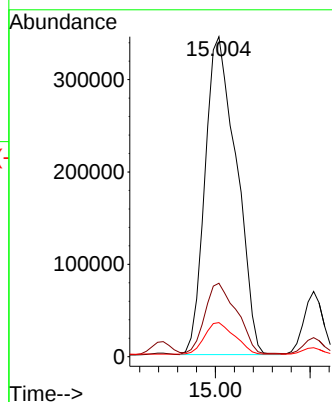
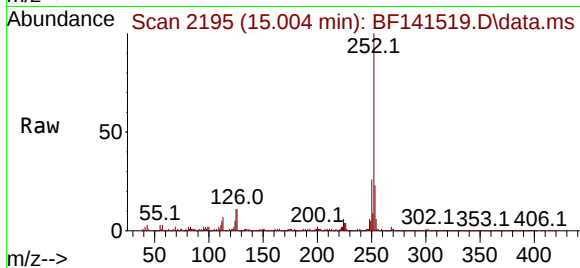




#88
Benzo(b)fluoranthene
Concen: 119.672 ng
RT: 15.004 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

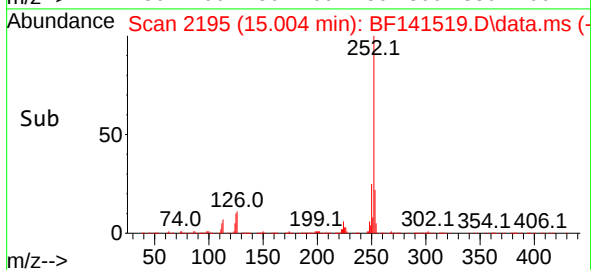
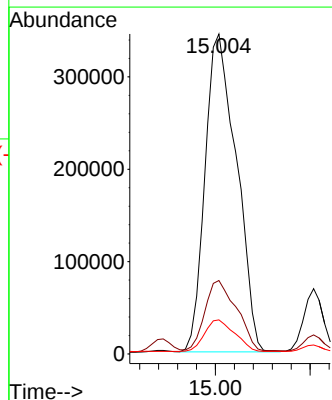
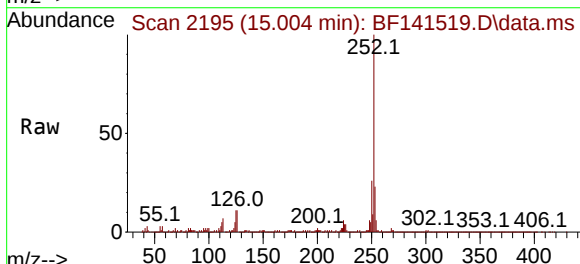
Instrument :
BNA_F
ClientSampleId :
JPP-42.2-012925

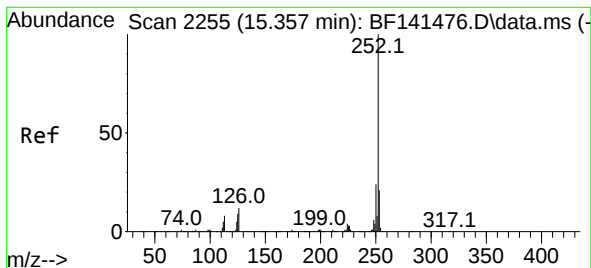
Tgt Ion:252 Resp: 792673
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 10.7 7.0 10.6#



#89
Benzo(k)fluoranthene
Concen: 140.145 ng
RT: 15.004 min Scan# 2195
Delta R.T. -0.029 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

Tgt Ion:252 Resp: 792673
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 10.7 7.4 11.0





#90

Benzo(a)pyrene

Concen: 82.887 ng

RT: 15.362 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF141519.D

Acq: 07 Feb 2025 20:21

Instrument :

BNA_F

ClientSampleId :

JPP-42.2-012925

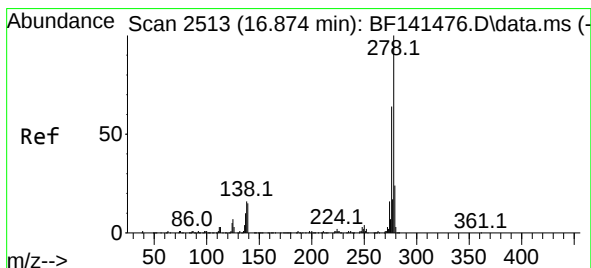
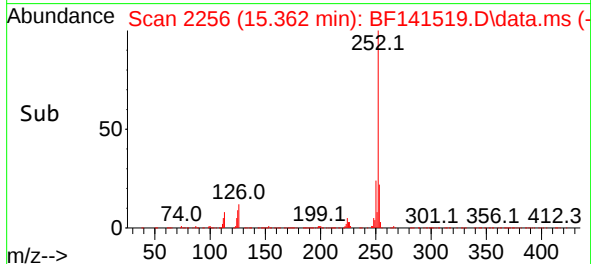
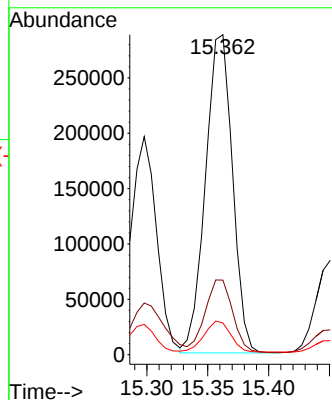
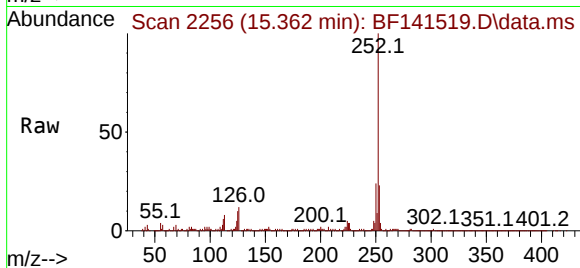
Tgt Ion:252 Resp: 444248

Ion Ratio Lower Upper

252 100

253 23.3 17.1 25.7

125 9.9 7.4 11.2



#91

Dibenzo(a,h)anthracene

Concen: 12.666 ng

RT: 16.874 min Scan# 2513

Delta R.T. -0.018 min

Lab File: BF141519.D

Acq: 07 Feb 2025 20:21

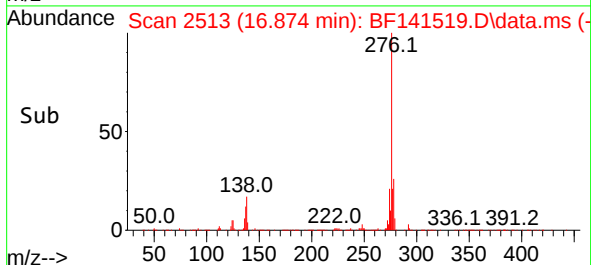
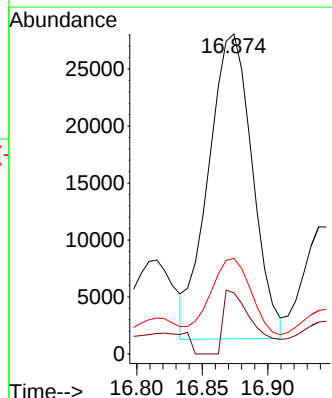
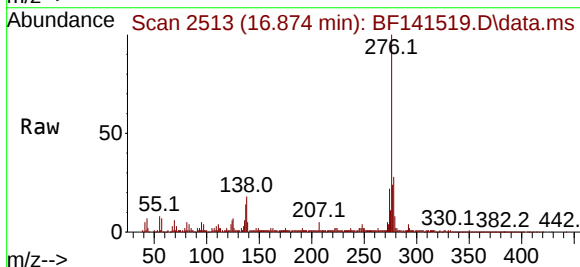
Tgt Ion:278 Resp: 62555

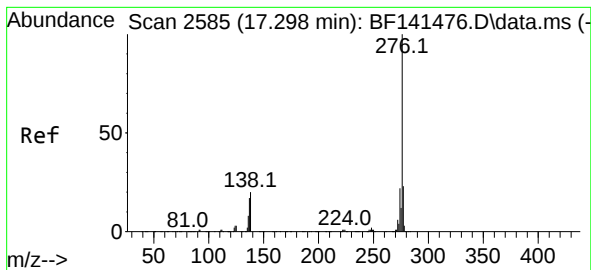
Ion Ratio Lower Upper

278 100

139 19.1 11.8 17.6#

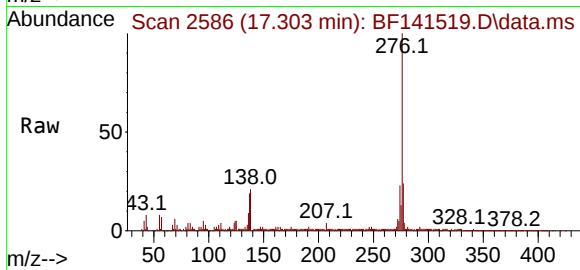
279 29.9 19.1 28.7#





#92
 Benzo(g,h,i)perylene
 Concen: 45.998 ng
 RT: 17.303 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF141519.D
 Acq: 07 Feb 2025 20:21

Instrument :
 BNA_F
 ClientSampleId :
 JPP-42.2-012925



Tgt Ion:276 Resp: 237741
 Ion Ratio Lower Upper
 276 100
 277 24.5 18.6 28.0
 138 21.0 15.9 23.9

