

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
 Data File : BF141548.D
 Acq On : 10 Feb 2025 21:12
 Operator : RC/JU
 Sample : Q1216-15DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-26.1-012825DL

Quant Time: Feb 11 00:10:25 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)

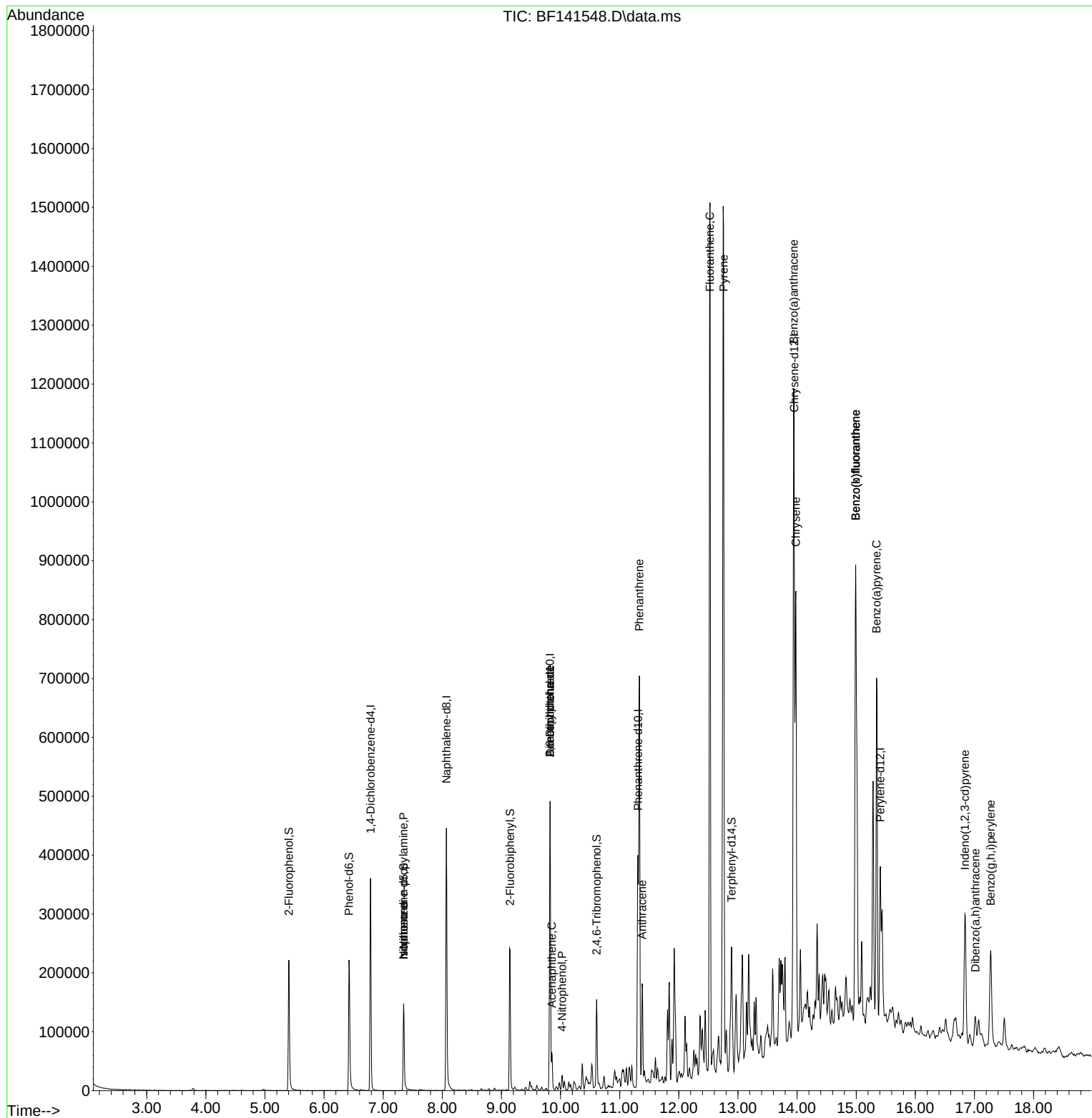
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	74035	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	289660	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	144714	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	197252	20.000	ng	0.00
76) Chrysene-d12	13.951	240	174653	20.000	ng	-0.01
86) Perylene-d12	15.409	264	154420	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	88865	18.818	ng	0.00
7) Phenol-d6	6.422	99	109784	18.393	ng	-0.02
23) Nitrobenzene-d5	7.345	82	71121	12.807	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	20355	14.002	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	117797	12.541	ng	0.00
79) Terphenyl-d14	12.892	244	86634	8.374	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	9254	2.592	ng	# 72
25) Isophorone	7.345	82	66628	7.524	ng	# 66
50) Dimethylphthalate	9.822	163	21036	2.141	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	19455	9.059	ng	# 22
52) Acenaphthene	9.851	154	19654	2.369	ng	99
56) 4-Nitrophenol	10.027	139	3827	2.230	ng	# 1
71) Phenanthrene	11.333	178	369401	34.022	ng	100
72) Anthracene	11.380	178	102524	9.393	ng	99
75) Fluoranthene	12.527	202	864822	75.127	ng	99
78) Pyrene	12.757	202	885039	59.528	ng	99
81) Benzo(a)anthracene	13.945	228	533419	45.946	ng	98
83) Chrysene	13.980	228	378245	35.284	ng	98
87) Indeno(1,2,3-cd)pyrene	16.839	276	164290	17.219	ng	94
88) Benzo(b)fluoranthene	14.992	252	669727	64.592	ng	98
89) Benzo(k)fluoranthene	14.992	252	669727	75.643	ng	99
90) Benzo(a)pyrene	15.345	252	352689	42.037	ng	96
91) Dibenzo(a,h)anthracene	17.015	278	32933	4.260	ng	95
92) Benzo(g,h,i)perylene	17.274	276	150699	18.627	ng	99

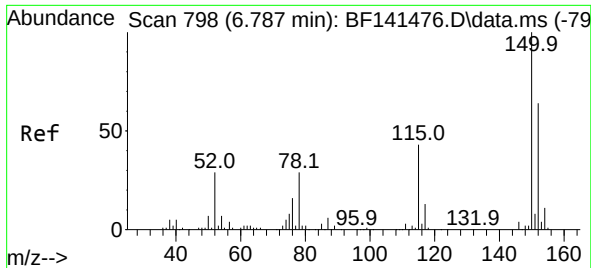
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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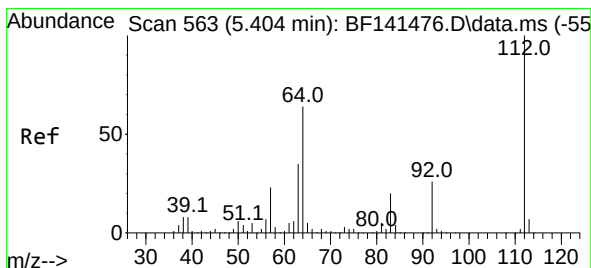
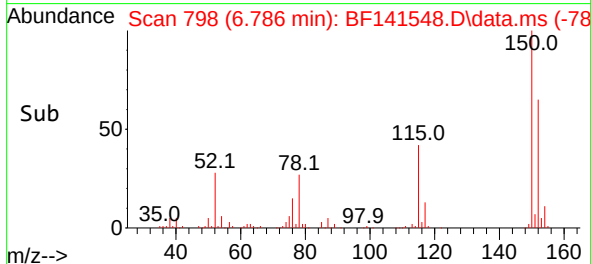
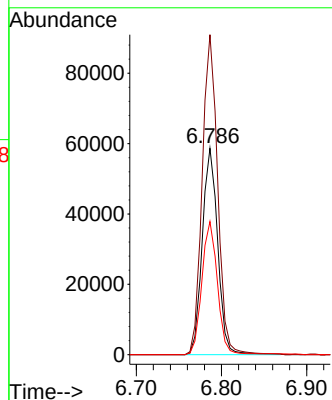
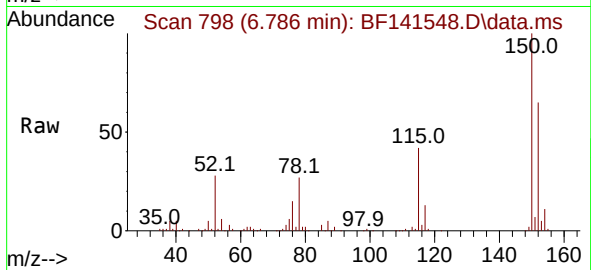




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.786 min Scan# 798
 Delta R.T. -0.006 min
 Lab File: BF141548.D
 Acq: 10 Feb 2025 21:12

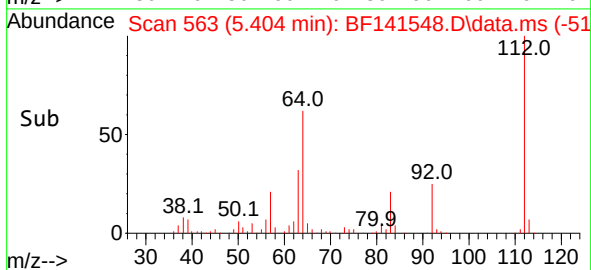
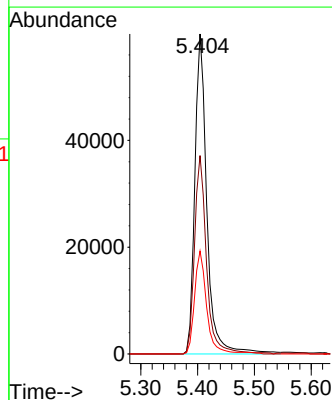
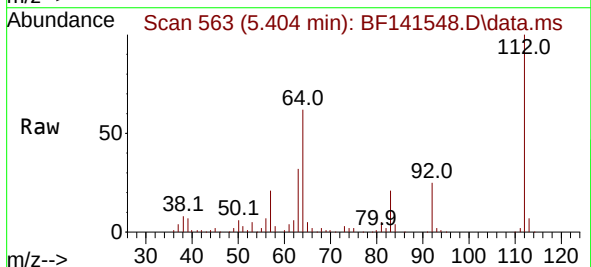
Instrument :
 BNA_F
 ClientSampleId :
 JPP-26.1-012825DL

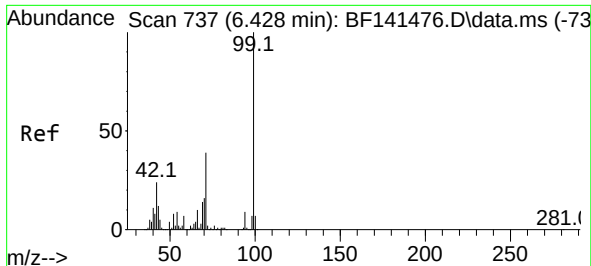
Tgt Ion:152 Resp: 74035
 Ion Ratio Lower Upper
 152 100
 150 155.0 125.0 187.4
 115 64.5 53.6 80.4



#5
 2-Fluorophenol
 Concen: 18.818 ng
 RT: 5.404 min Scan# 563
 Delta R.T. -0.006 min
 Lab File: BF141548.D
 Acq: 10 Feb 2025 21:12

Tgt Ion:112 Resp: 88865
 Ion Ratio Lower Upper
 112 100
 64 62.0 51.1 76.7
 63 32.2 28.4 42.6

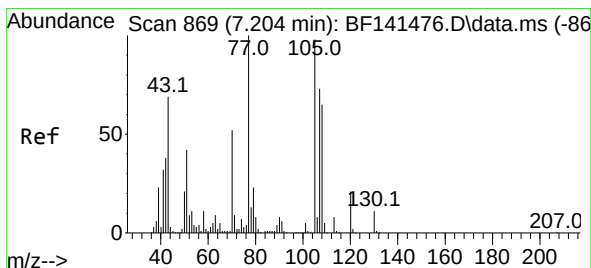
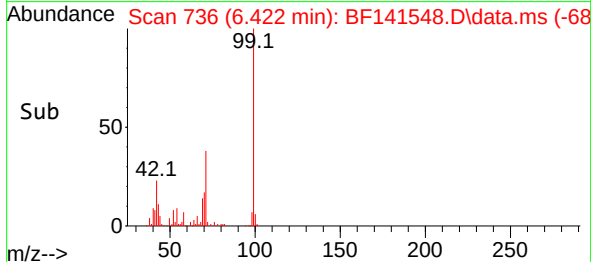
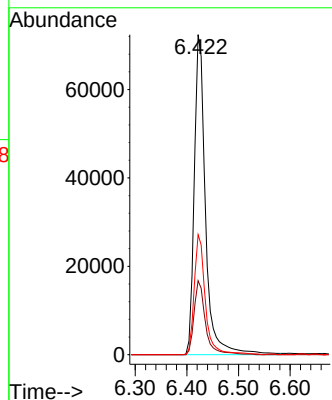
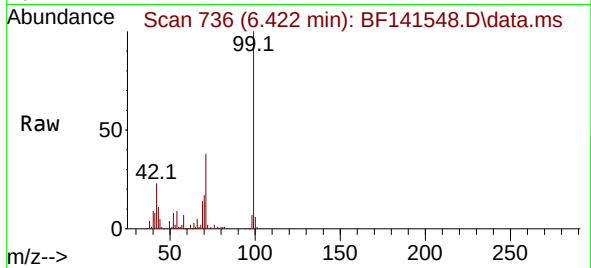




#7
Phenol-d6
Concen: 18.393 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

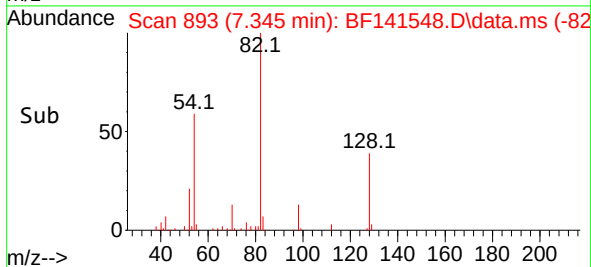
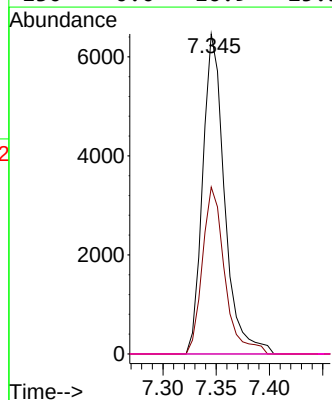
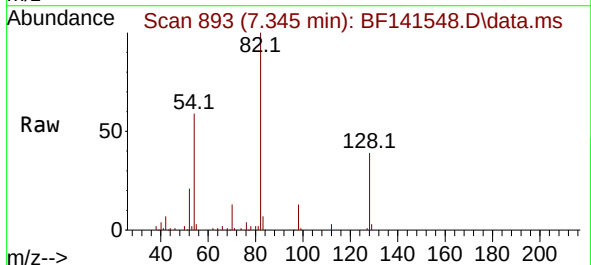
Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825DL

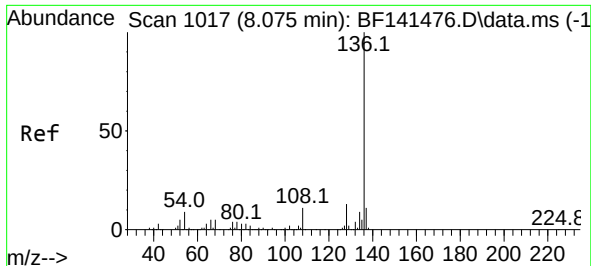
Tgt Ion: 99 Resp: 109784
Ion Ratio Lower Upper
99 100
42 23.1 19.1 28.7
71 37.5 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 2.592 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.129 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Tgt Ion: 70 Resp: 9254
Ion Ratio Lower Upper
70 100
42 52.2 57.4 86.2#
101 0.0 8.0 12.0#
130 0.0 16.9 25.3#

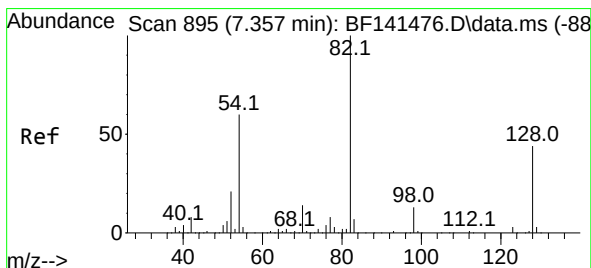
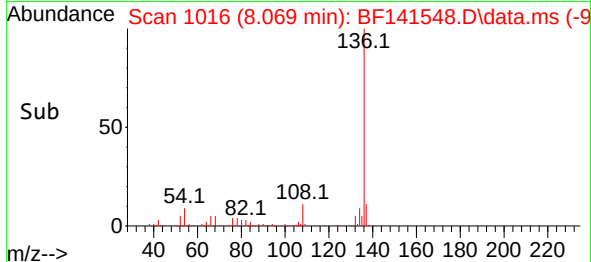
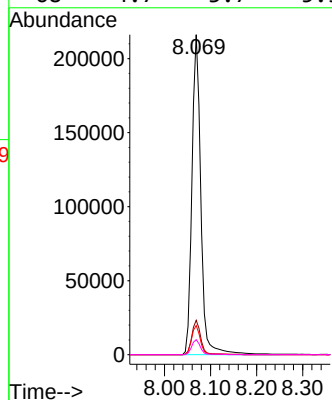
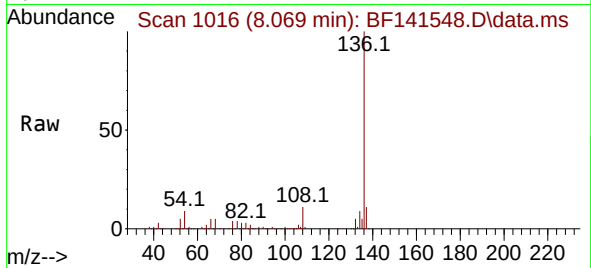




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

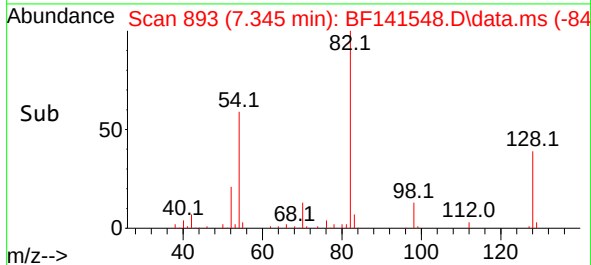
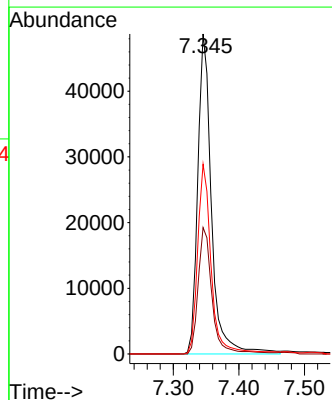
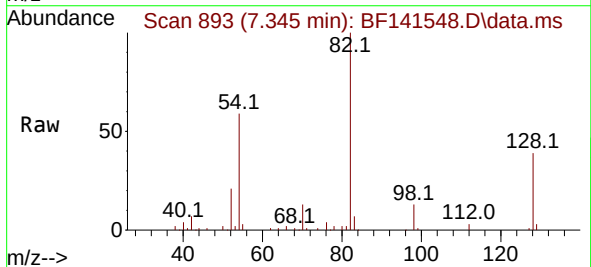
Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825DL

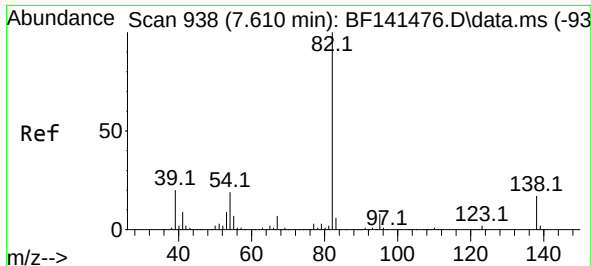
Tgt	Ion:136	Resp:	289660
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.1	7.2	10.8
68	4.7	3.7	5.5



#23
Nitrobenzene-d5
Concen: 12.807 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Tgt Ion: 82	Resp: 71121
Ion Ratio	Lower Upper
82 100	
128 39.5	34.8 52.2
54 59.3	48.2 72.4

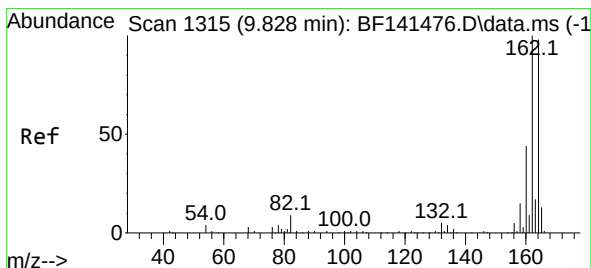
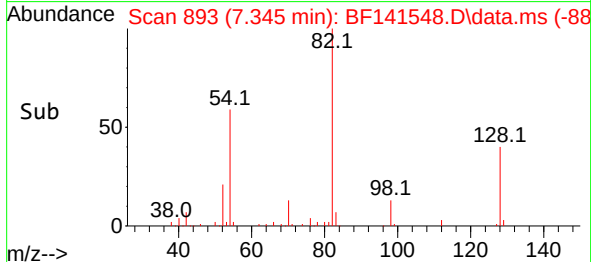
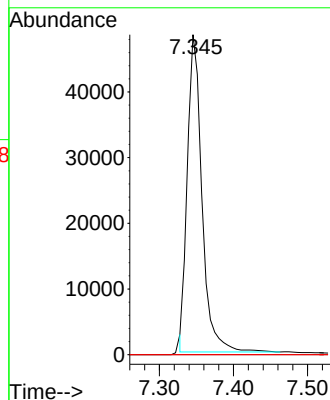
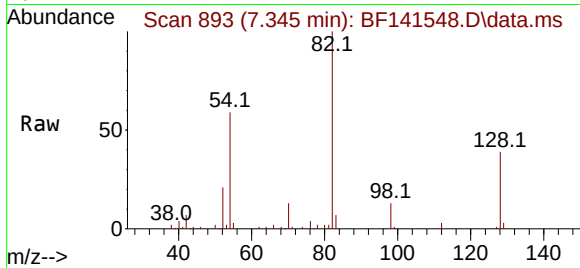




#25
Isophorone
Concen: 7.524 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.276 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

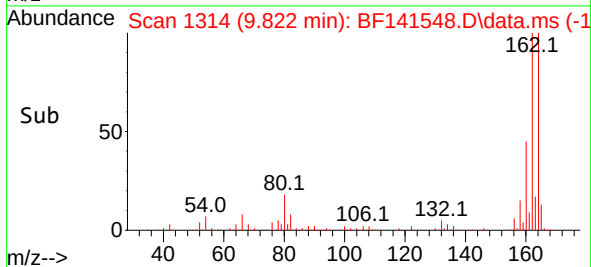
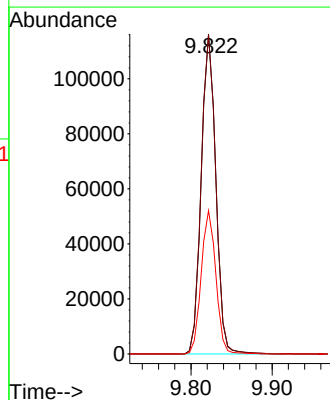
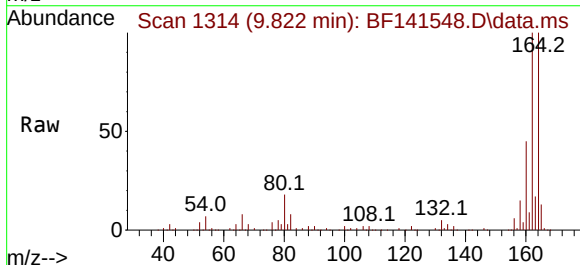
Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825DL

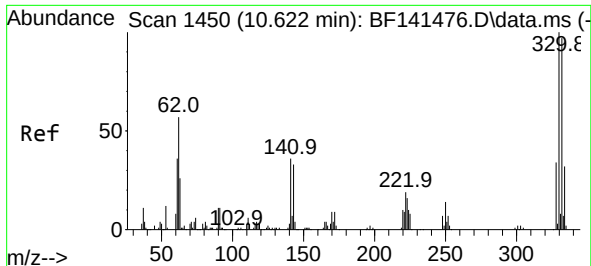
Tgt Ion: 82 Resp: 66628
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Tgt Ion: 164 Resp: 144714
Ion Ratio Lower Upper
164 100
162 99.8 81.3 121.9
160 44.8 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 14.002 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.018 min

Lab File: BF141548.D

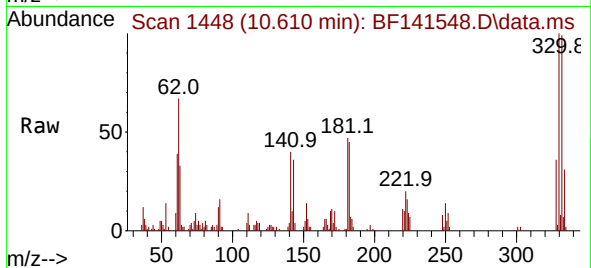
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Instrument :

BNA_F

ClientSampleId :

JPP-26.1-012825DL



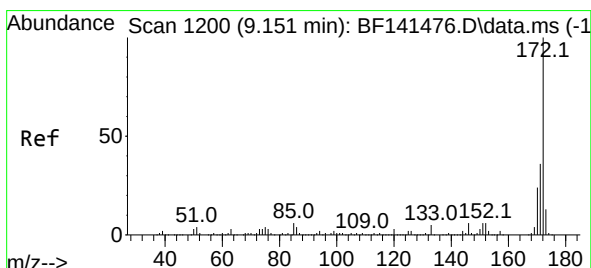
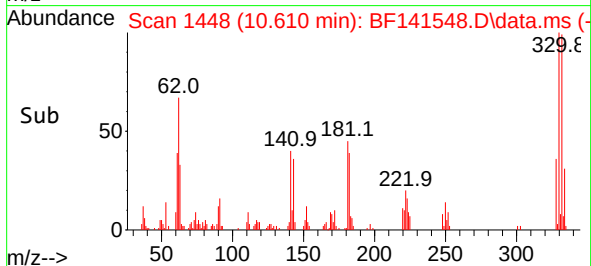
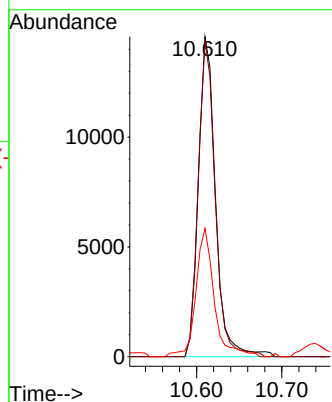
Tgt Ion:330 Resp: 20355

Ion Ratio Lower Upper

330 100

332 97.7 78.5 117.7

141 42.7 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 12.541 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF141548.D

Acq: 10 Feb 2025 21:12

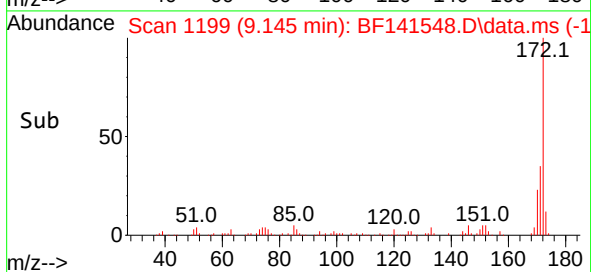
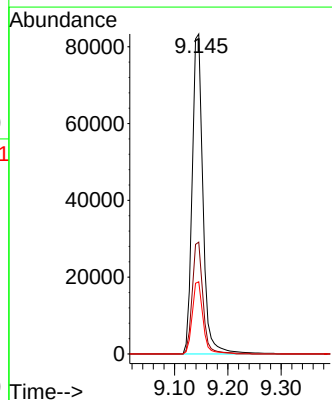
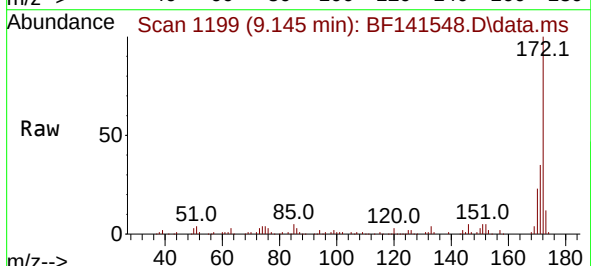
Tgt Ion:172 Resp: 117797

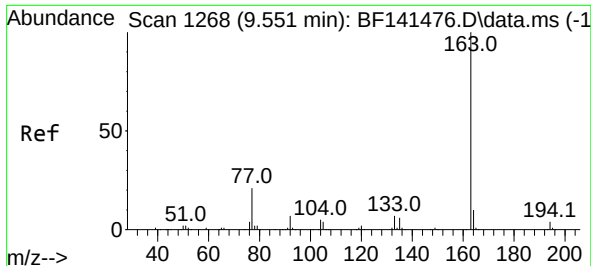
Ion Ratio Lower Upper

172 100

171 34.9 28.7 43.1

170 22.6 18.9 28.3

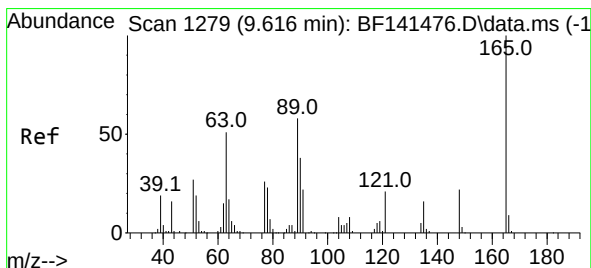
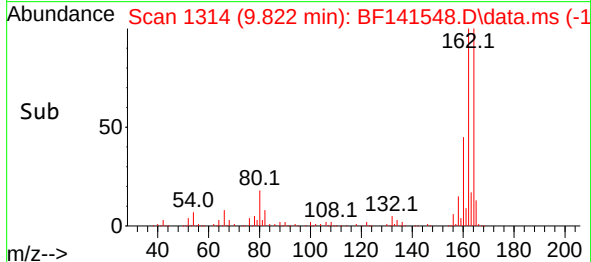
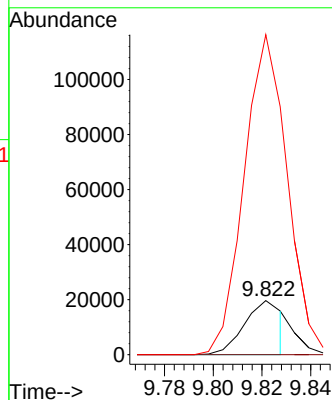
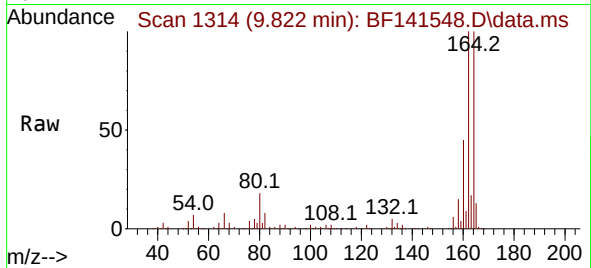




#50
Dimethylphthalate
Concen: 2.141 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

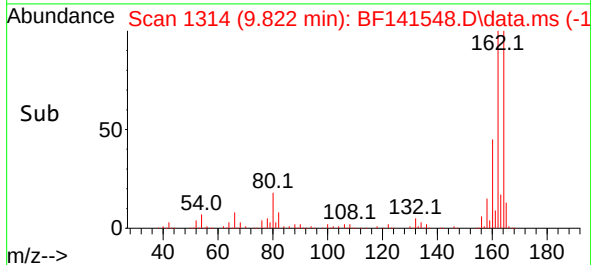
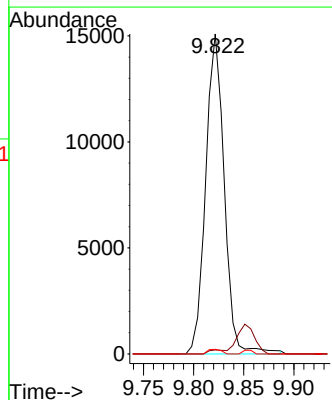
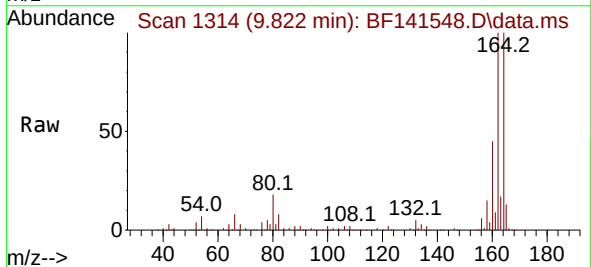
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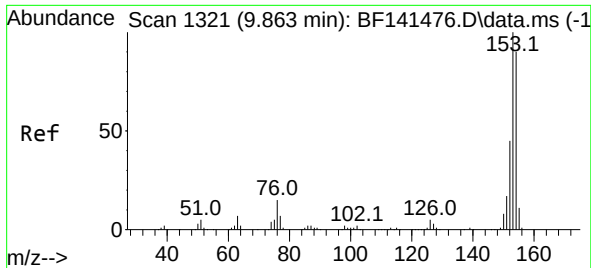
Tgt Ion:163 Resp: 21036
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 592.2 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 9.059 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.200 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

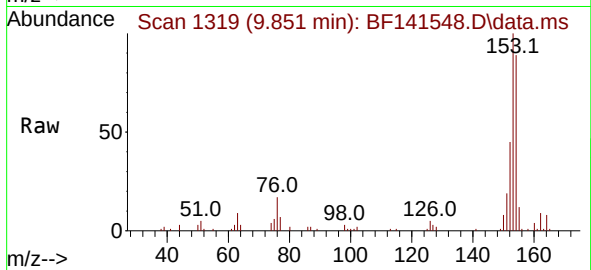
Tgt Ion:165 Resp: 19455
Ion Ratio Lower Upper
165 100
63 1.2 49.4 74.0#
89 1.5 46.5 69.7#



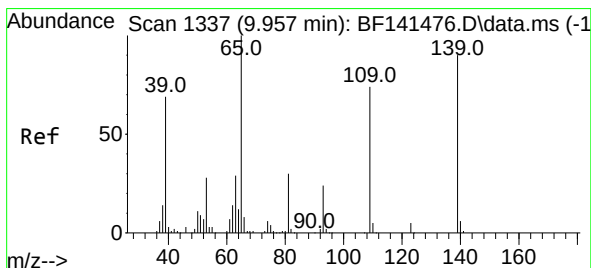
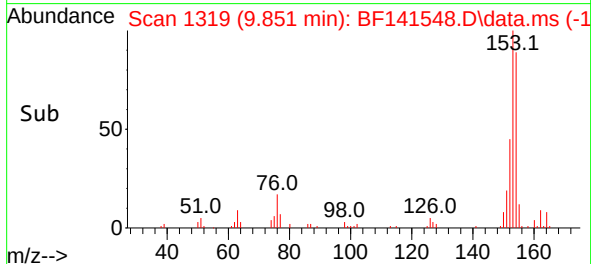
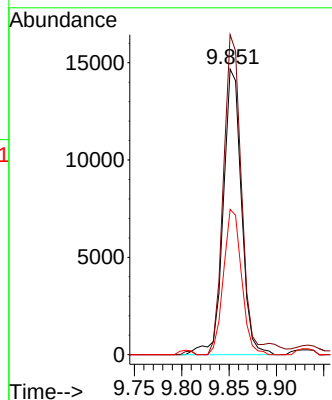


#52
Acenaphthene
Concen: 2.369 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825DL

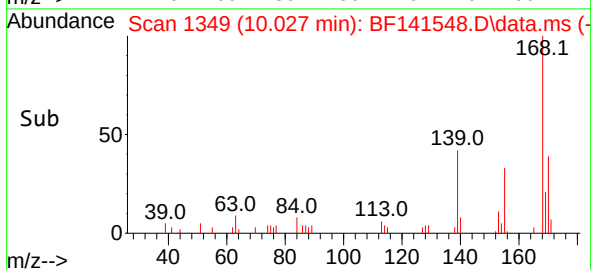
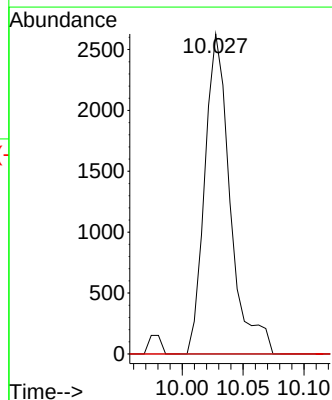
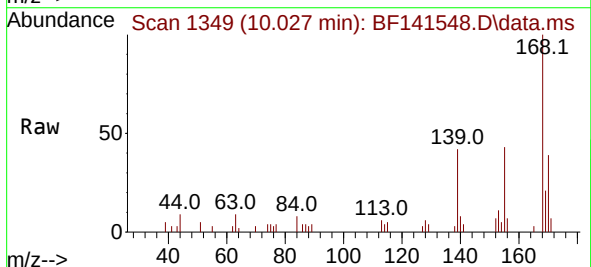


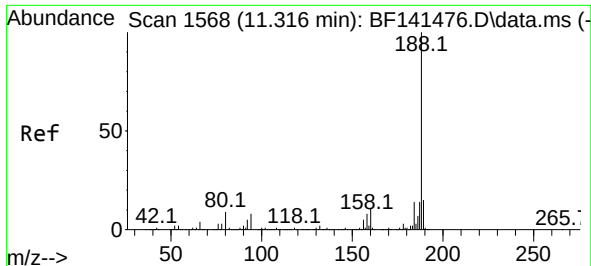
Tgt Ion:154 Resp: 19654
Ion Ratio Lower Upper
154 100
153 112.0 89.2 133.8
152 50.9 39.8 59.8



#56
4-Nitrophenol
Concen: 2.230 ng
RT: 10.027 min Scan# 1349
Delta R.T. 0.059 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Tgt Ion:139 Resp: 3827
Ion Ratio Lower Upper
139 100
109 0.0 62.0 102.0#
65 0.0 91.2 131.2#

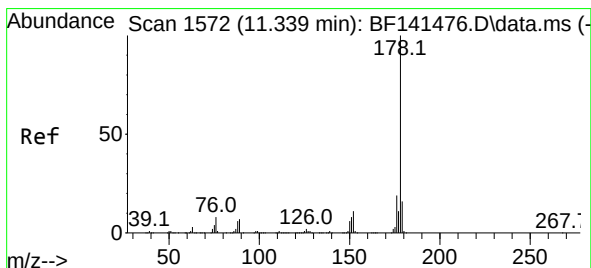
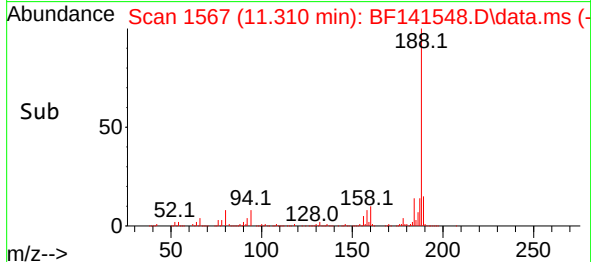
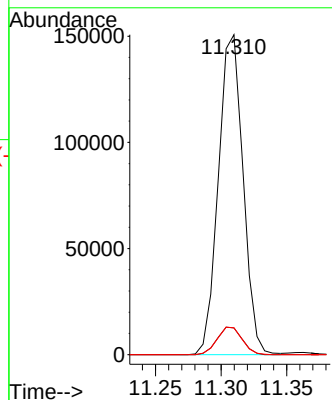
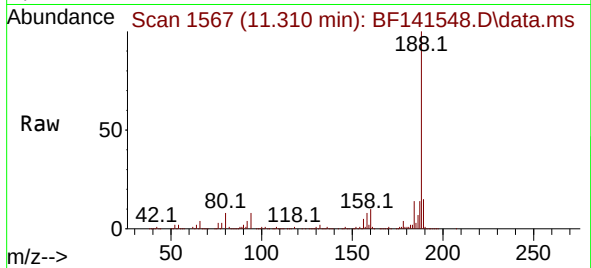




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

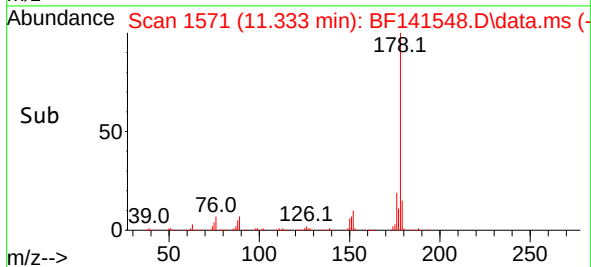
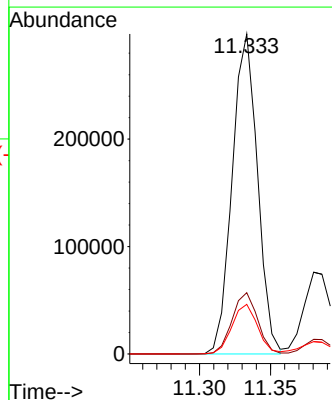
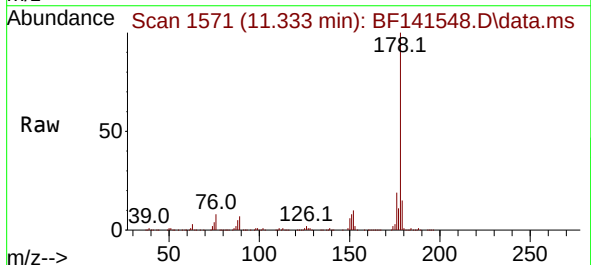
Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825DL

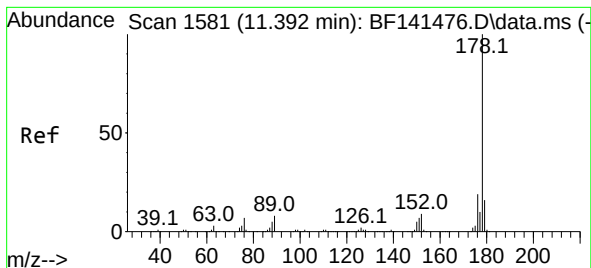
Tgt Ion:188 Resp: 197252
Ion Ratio Lower Upper
188 100
94 8.3 6.6 10.0
80 8.4 7.3 10.9



#71
Phenanthrene
Concen: 34.022 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Tgt Ion:178 Resp: 369401
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.5 12.4 18.6





#72

Anthracene

Concen: 9.393 ng

RT: 11.380 min Scan# 1579

Delta R.T. -0.018 min

Lab File: BF141548.D

Acq: 10 Feb 2025 21:12

Instrument :

BNA_F

ClientSampleId :

JPP-26.1-012825DL

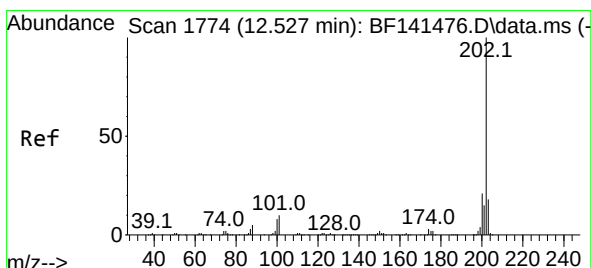
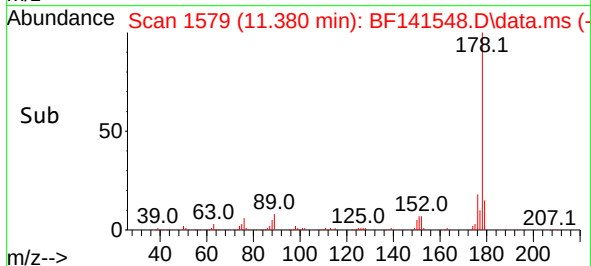
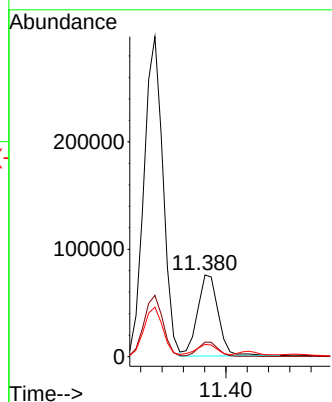
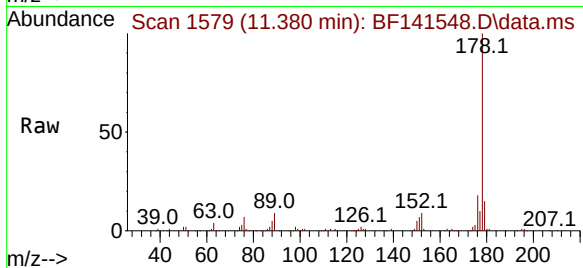
Tgt Ion:178 Resp: 102524

Ion Ratio Lower Upper

178 100

176 17.9 14.8 22.2

179 15.2 12.4 18.6



#75

Fluoranthene

Concen: 75.127 ng

RT: 12.527 min Scan# 1774

Delta R.T. -0.006 min

Lab File: BF141548.D

Acq: 10 Feb 2025 21:12

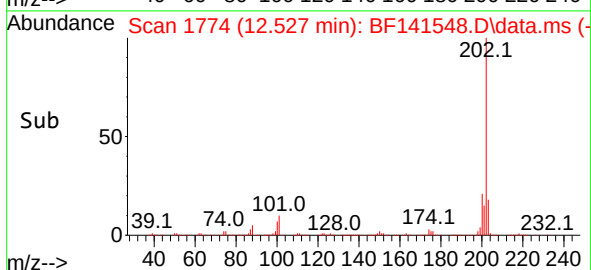
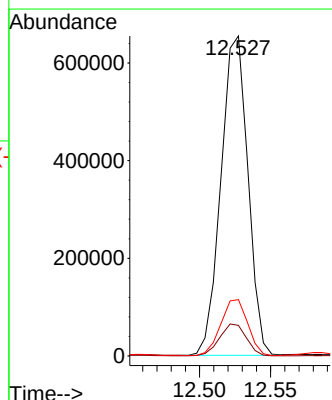
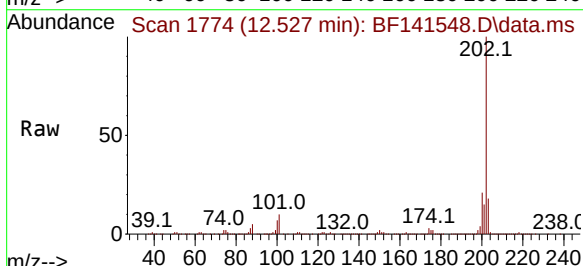
Tgt Ion:202 Resp: 864822

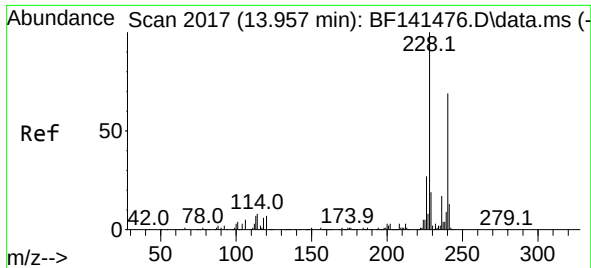
Ion Ratio Lower Upper

202 100

101 9.5 0.0 30.2

203 17.6 0.0 37.6

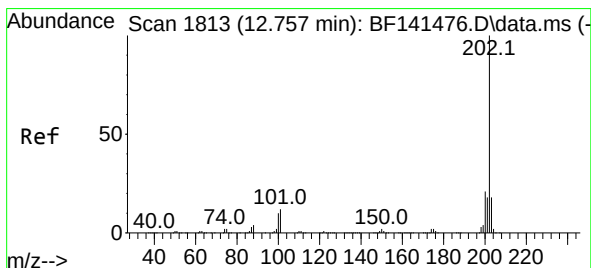
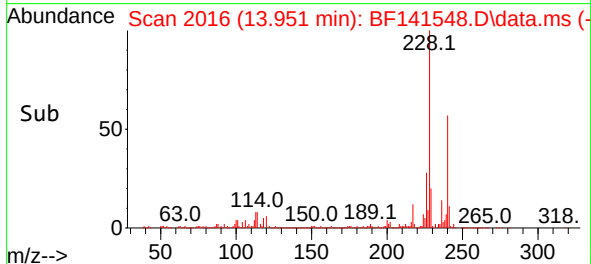
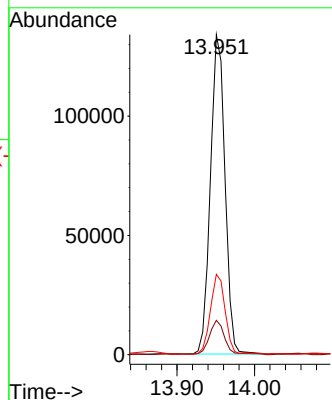
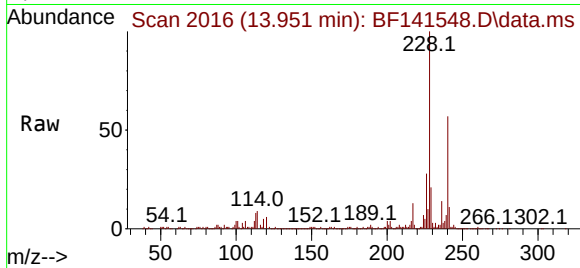




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

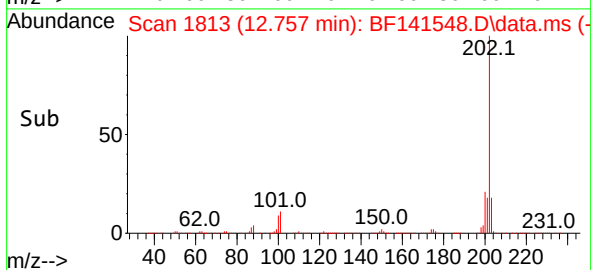
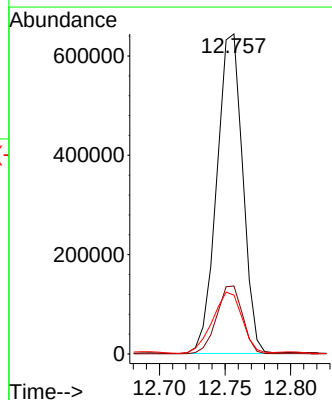
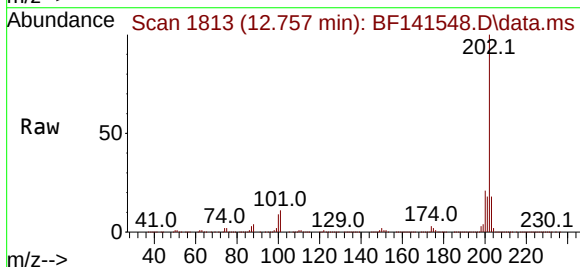
Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825DL

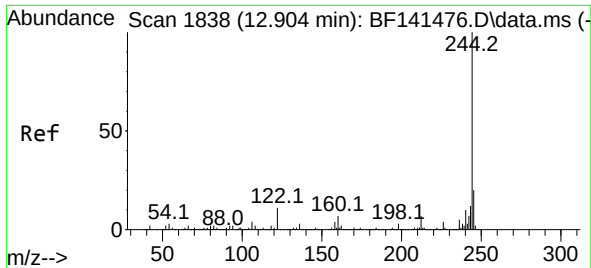
Tgt Ion:240 Resp: 174653
Ion Ratio Lower Upper
240 100
120 10.7 8.0 12.0
236 25.1 19.8 29.8



#78
Pyrene
Concen: 59.528 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Tgt Ion:202 Resp: 885039
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 18.4 14.3 21.5

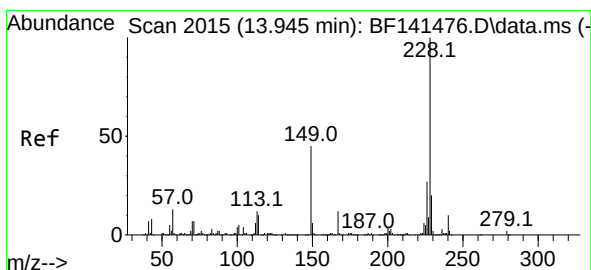
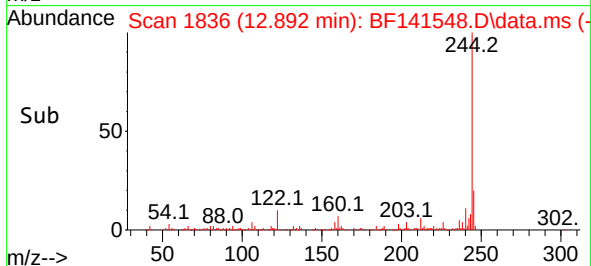
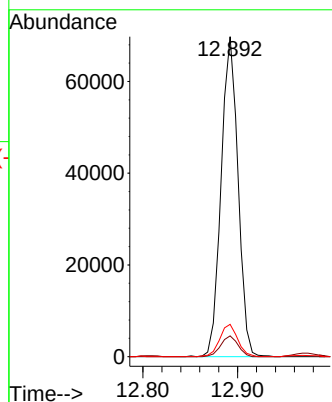
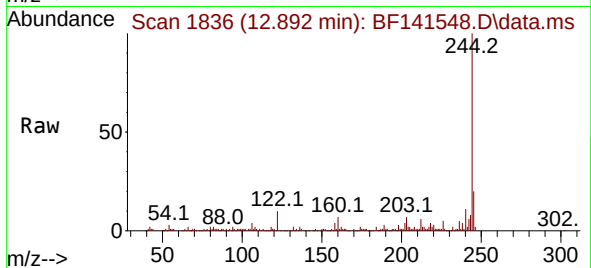




#79
 Terphenyl-d14
 Concen: 8.374 ng
 RT: 12.892 min Scan# 1836
 Delta R.T. -0.012 min
 Lab File: BF141548.D
 Acq: 10 Feb 2025 21:12

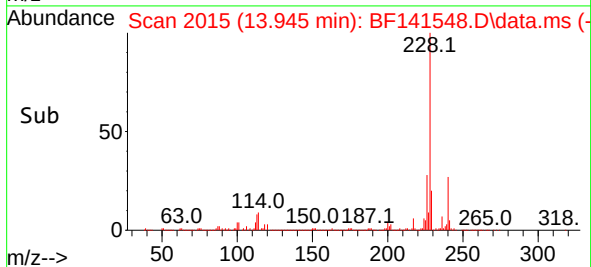
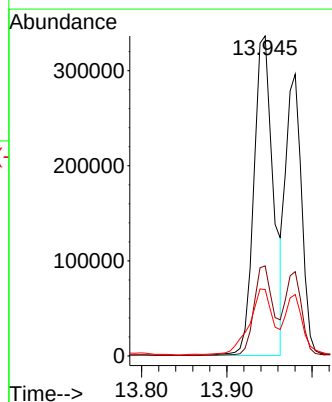
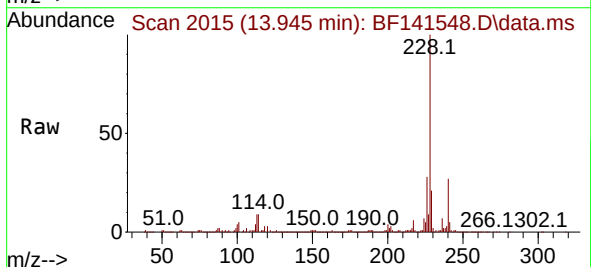
Instrument :
 BNA_F
 ClientSampleId :
 JPP-26.1-012825DL

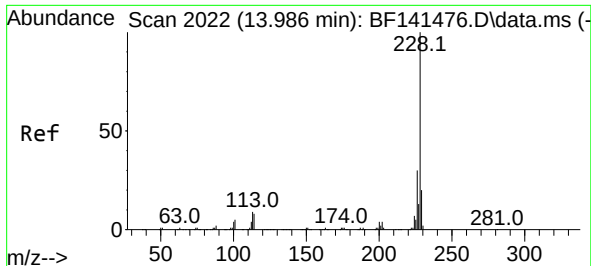
Tgt Ion:244 Resp: 86634
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.6 8.4
 122 10.1 8.4 12.6



#81
 Benzo(a)anthracene
 Concen: 45.946 ng
 RT: 13.945 min Scan# 2015
 Delta R.T. -0.006 min
 Lab File: BF141548.D
 Acq: 10 Feb 2025 21:12

Tgt Ion:228 Resp: 533419
 Ion Ratio Lower Upper
 228 100
 226 28.1 21.8 32.8
 229 20.7 15.8 23.6

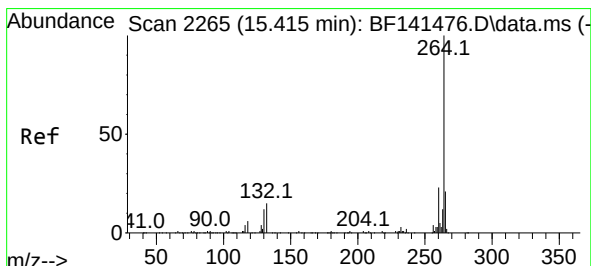
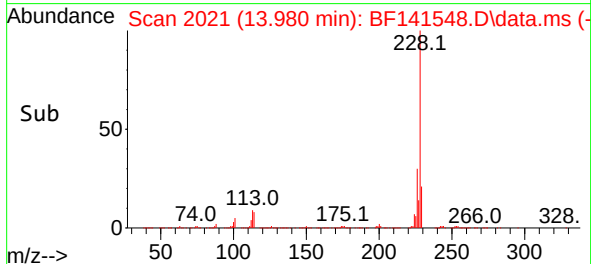
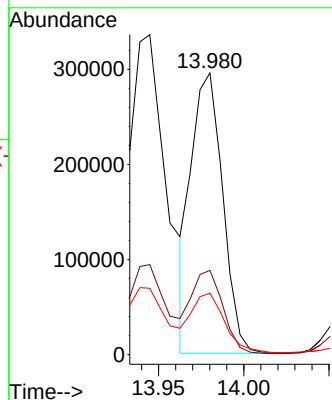
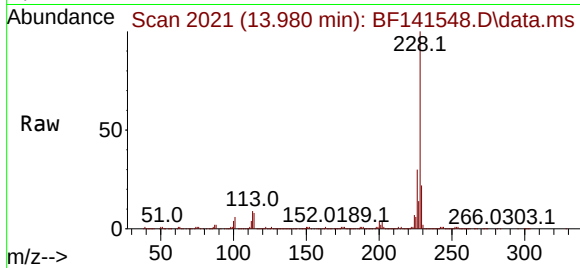




#83
Chrysene
Concen: 35.284 ng
RT: 13.980 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

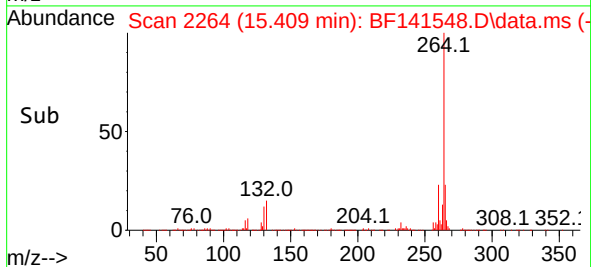
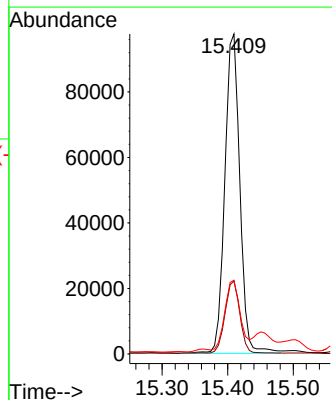
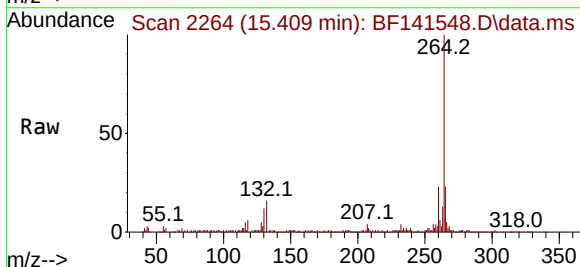
Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825DL

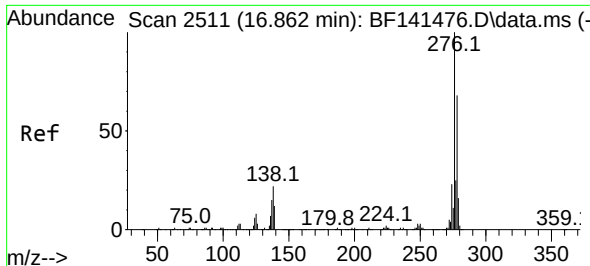
Tgt Ion:228 Resp: 378245
Ion Ratio Lower Upper
228 100
226 29.9 24.0 36.0
229 21.8 15.7 23.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.409 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Tgt Ion:264 Resp: 154420
Ion Ratio Lower Upper
264 100
260 22.8 18.6 28.0
265 23.1 17.0 25.4

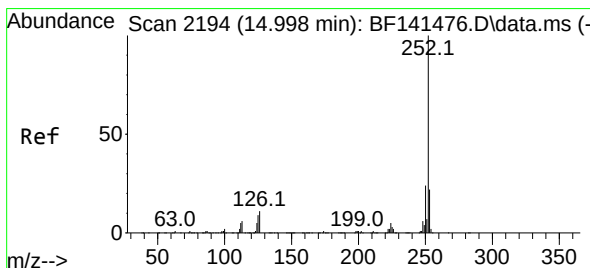
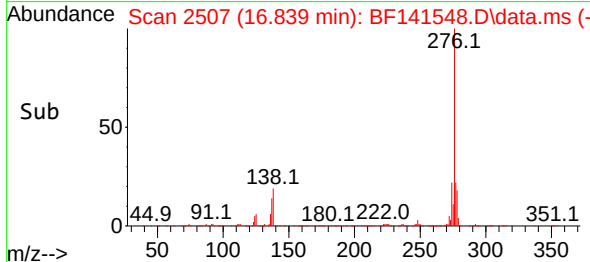
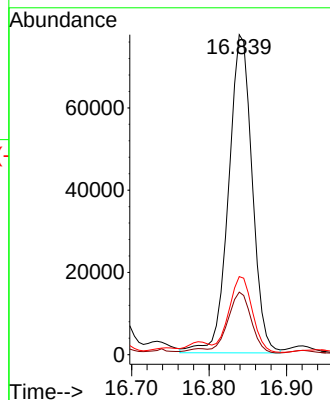
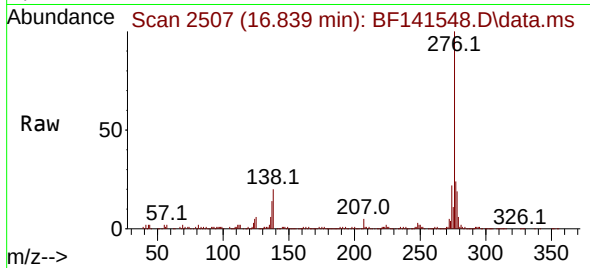




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 17.219 ng
 RT: 16.839 min Scan# 2193
 Delta R.T. -0.035 min
 Lab File: BF141548.D
 Acq: 10 Feb 2025 21:12

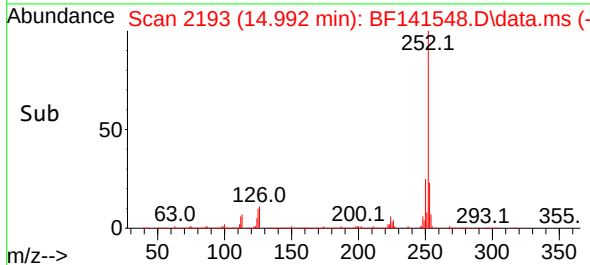
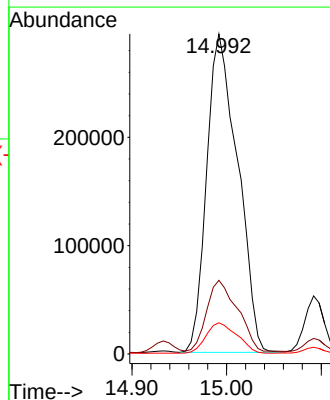
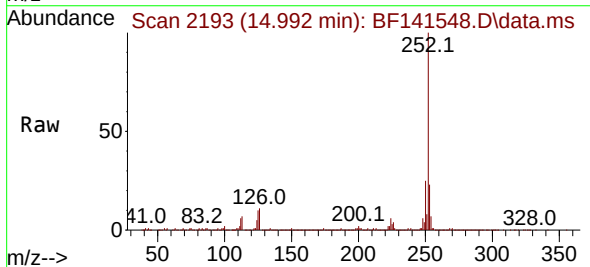
Instrument :
 BNA_F
 ClientSampleId :
 JPP-26.1-012825DL

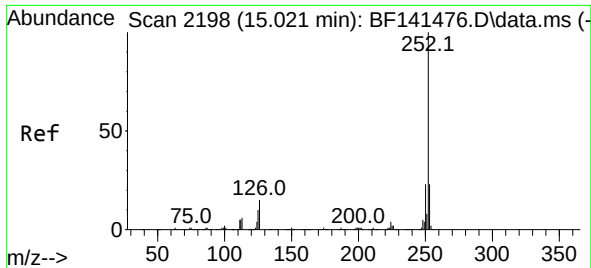
Tgt Ion:276 Resp: 164290
 Ion Ratio Lower Upper
 276 100
 138 18.7 18.0 27.0
 277 23.6 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 64.592 ng
 RT: 14.992 min Scan# 2193
 Delta R.T. -0.012 min
 Lab File: BF141548.D
 Acq: 10 Feb 2025 21:12

Tgt Ion:252 Resp: 669727
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.5 26.3
 125 9.8 7.0 10.6

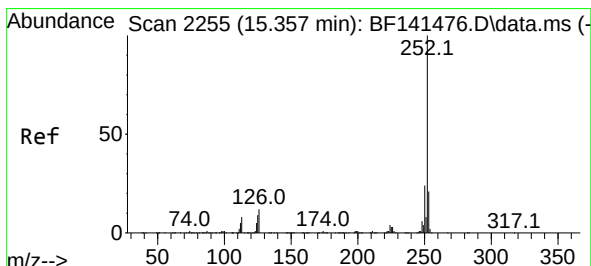
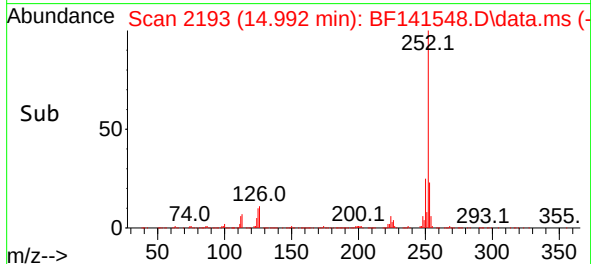
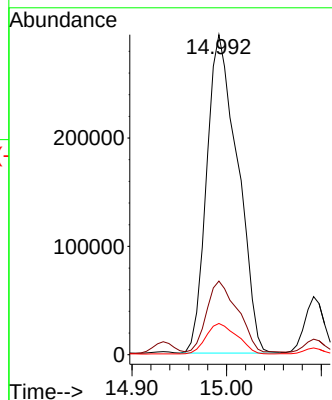
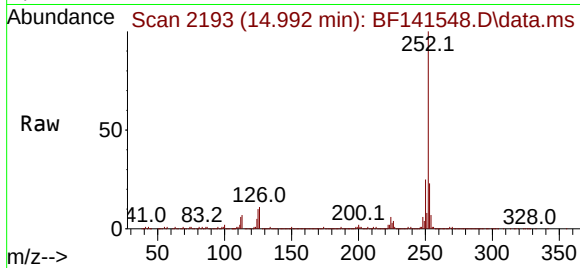




#89
Benzo(k)fluoranthene
Concen: 75.643 ng
RT: 14.992 min Scan# 2198
Delta R.T. -0.041 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

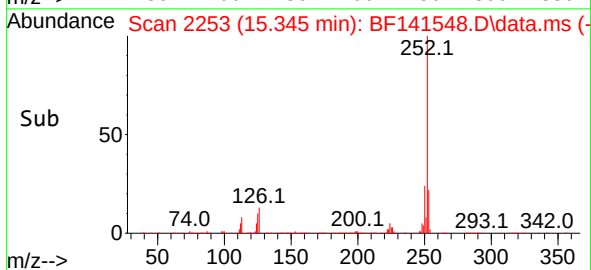
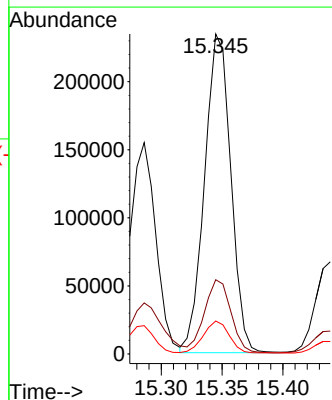
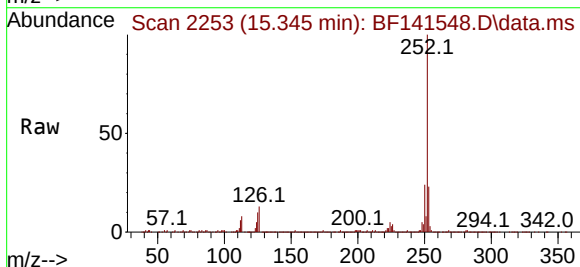
Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825DL

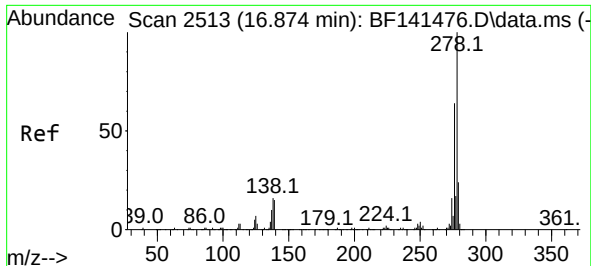
Tgt Ion:252 Resp: 669727
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 9.8 7.4 11.0



#90
Benzo(a)pyrene
Concen: 42.037 ng
RT: 15.345 min Scan# 2253
Delta R.T. -0.018 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Tgt Ion:252 Resp: 352689
Ion Ratio Lower Upper
252 100
253 23.2 17.1 25.7
125 10.3 7.4 11.2

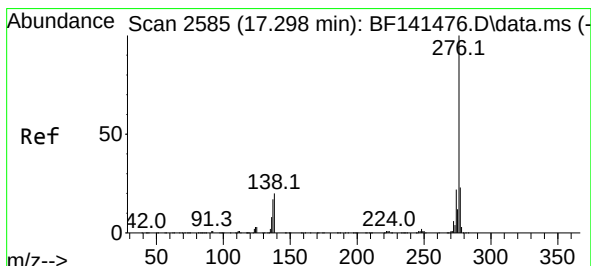
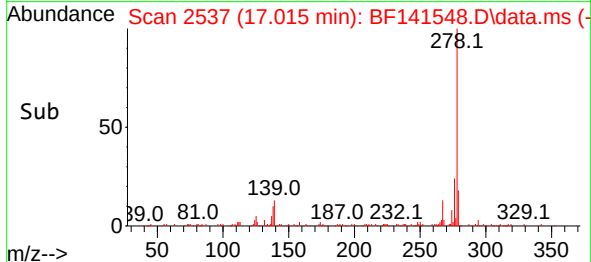
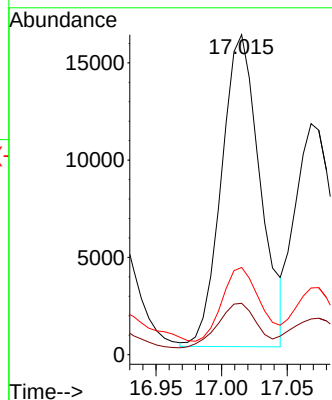
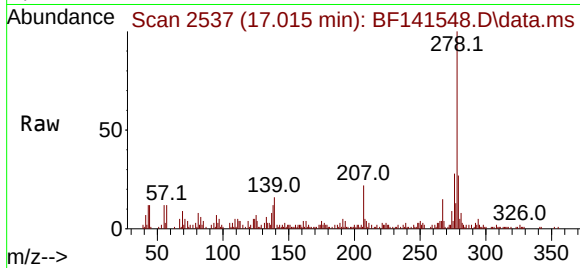




#91
Dibenzo(a,h)anthracene
Concen: 4.260 ng
RT: 17.015 min Scan# 21
Delta R.T. 0.124 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825DL

Tgt Ion:278 Resp: 32933
Ion Ratio Lower Upper
278 100
139 16.1 11.8 17.6
279 27.2 19.1 28.7



#92
Benzo(g,h,i)perylene
Concen: 18.627 ng
RT: 17.274 min Scan# 2581
Delta R.T. -0.041 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Tgt Ion:276 Resp: 150699
Ion Ratio Lower Upper
276 100
277 24.3 18.6 28.0
138 20.2 15.9 23.9

