

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
 Data File : BF142756.D
 Acq On : 12 Jun 2025 14:29
 Operator : RC/JU
 Sample : Q2280-01RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-210

Quant Time: Jun 12 15:23:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

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

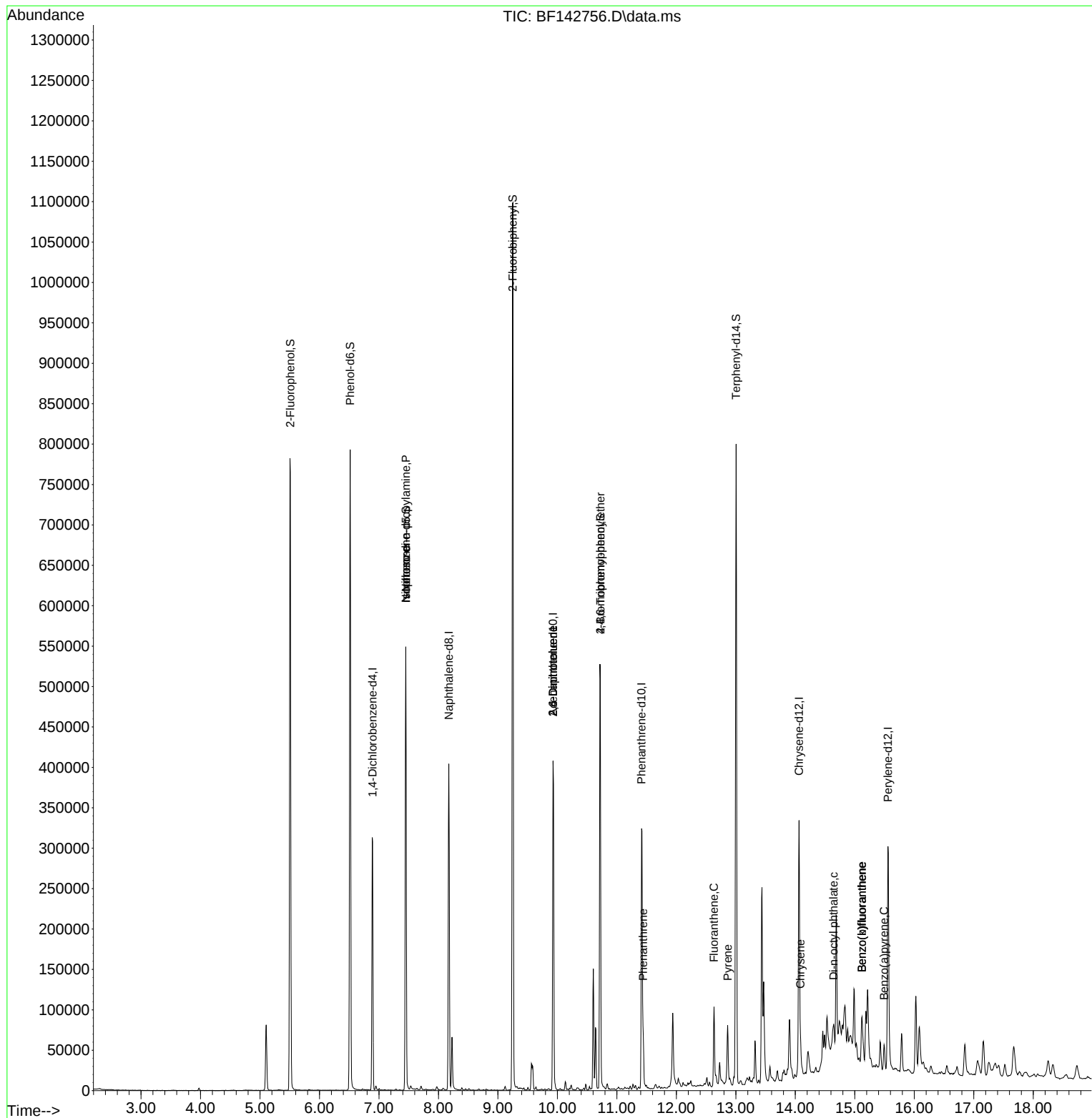
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	69390	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	259014	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	125127	20.000	ng	-0.01
64) Phenanthrene-d10	11.416	188	176934	20.000	ng	0.00
76) Chrysene-d12	14.063	240	142377	20.000	ng	0.00
86) Perylene-d12	15.557	264	165322	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	305605	75.009	ng	0.00
7) Phenol-d6	6.516	99	364324	75.984	ng	0.00
23) Nitrobenzene-d5	7.451	82	226102	47.774	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	91941	67.043	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	519390	55.147	ng	0.00
79) Terphenyl-d14	13.004	244	381782	36.829	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	30801	10.091	ng	# 77
25) Isophorone	7.451	82	224582	28.026	ng	# 63
51) 2,6-Dinitrotoluene	9.928	165	16182	8.961	ng	# 29
57) 2,4-Dinitrotoluene	9.928	165	16182	6.777	ng	# 27
67) 4-Bromophenyl-phenylether	10.722	248	5759	2.757	ng	# 1
71) Phenanthrene	11.439	178	36131	3.812	ng	99
75) Fluoranthene	12.633	202	53643	5.951	ng	99
78) Pyrene	12.863	202	42857	3.239	ng	99
83) Chrysene	14.086	228	25370	2.912	ng	97
85) Di-n-octyl phthalate	14.645	149	23643	2.099	ng	# 65
88) Benzo(b)fluoranthene	15.121	252	52265	5.369	ng	99
89) Benzo(k)fluoranthene	15.121	252	52265	5.534	ng	98
90) Benzo(a)pyrene	15.492	252	20087	2.170	ng	# 93

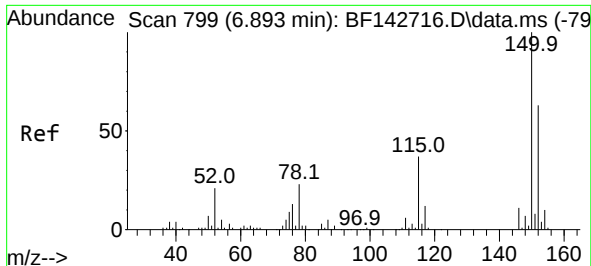
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 12 15:23:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

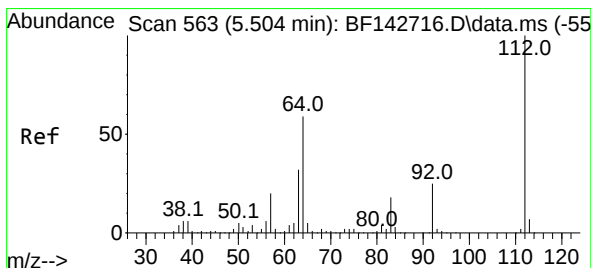
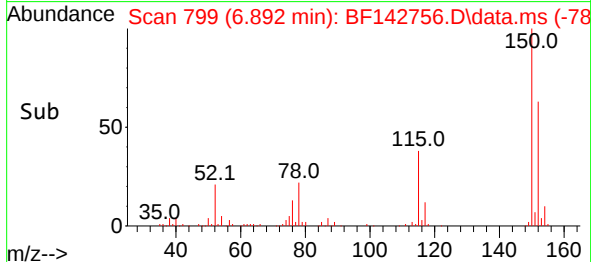
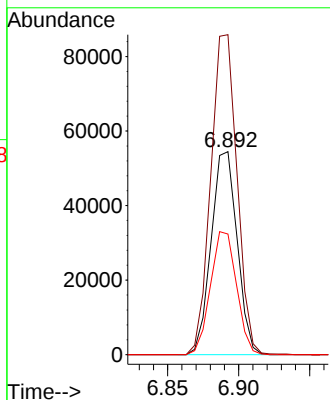
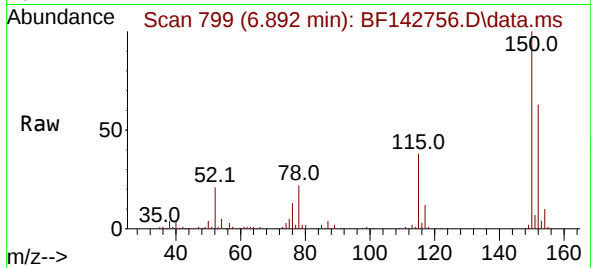




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF142756.D
Acq: 12 Jun 2025 14:29

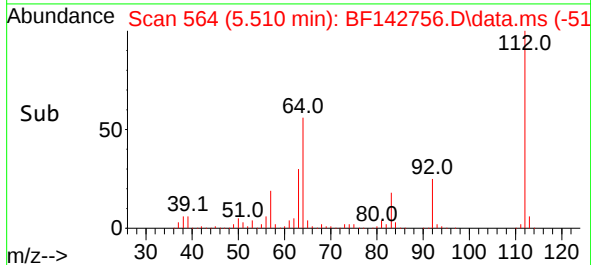
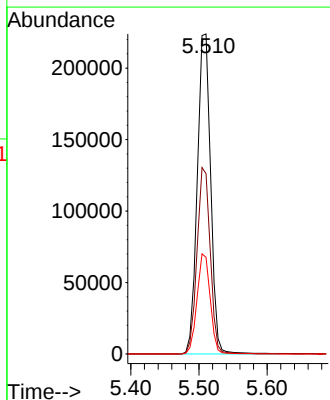
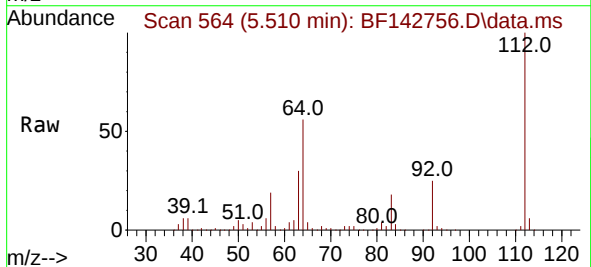
Instrument :
BNA_F
ClientSampleId :
VNJ-210

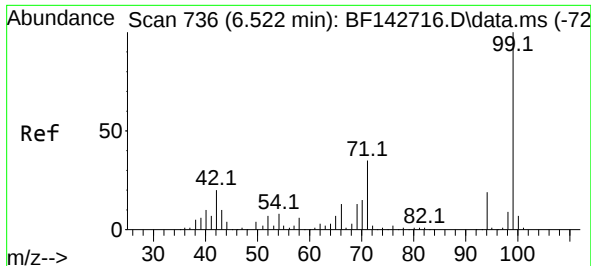
Tgt Ion:152 Resp: 69390
Ion Ratio Lower Upper
152 100
150 157.7 126.9 190.3
115 59.4 47.0 70.6



#5
2-Fluorophenol
Concen: 75.009 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF142756.D
Acq: 12 Jun 2025 14:29

Tgt Ion:112 Resp: 305605
Ion Ratio Lower Upper
112 100
64 56.4 47.4 71.2
63 30.2 25.4 38.0

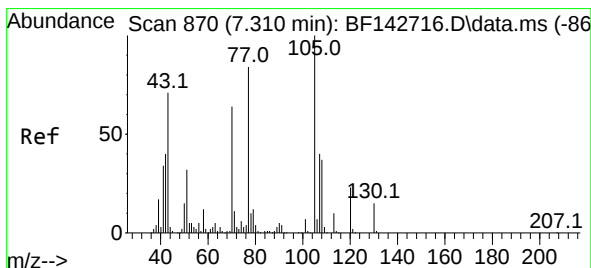
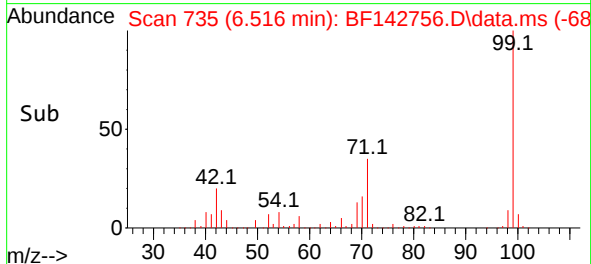
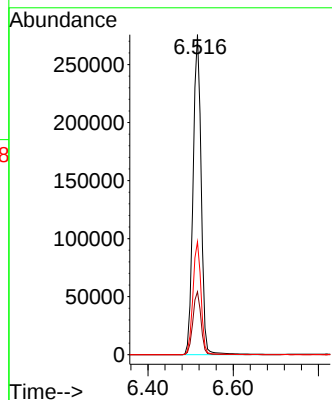
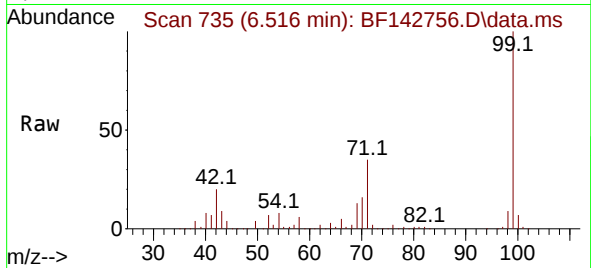




#7
Phenol-d6
Concen: 75.984 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142756.D
Acq: 12 Jun 2025 14:29

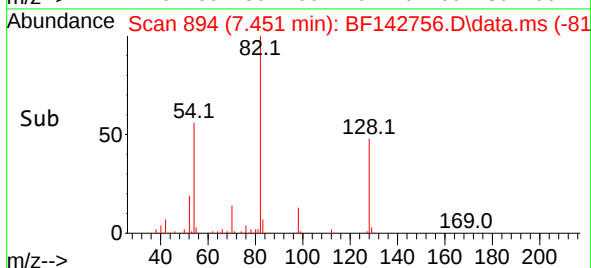
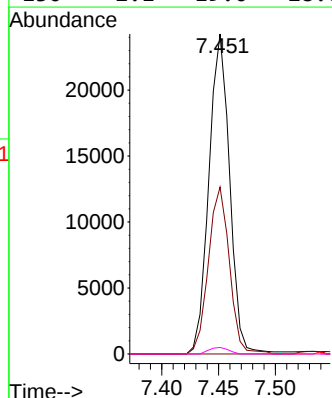
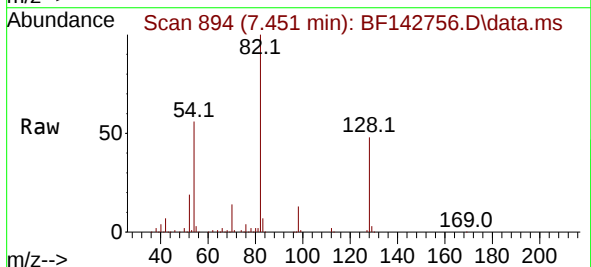
Instrument :
BNA_F
ClientSampleId :
VNJ-210

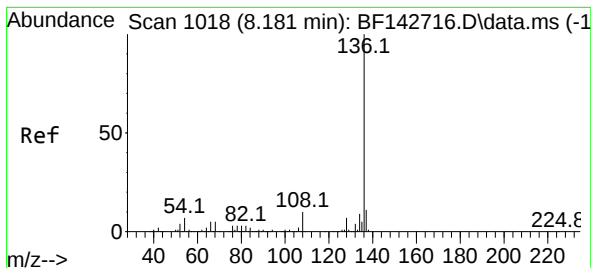
Tgt Ion: 99 Resp: 364324
Ion Ratio Lower Upper
99 100
42 19.6 15.9 23.9
71 35.3 28.0 42.0



#19
n-Nitroso-di-n-propylamine
Concen: 10.091 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.141 min
Lab File: BF142756.D
Acq: 12 Jun 2025 14:29

Tgt Ion: 70 Resp: 30801
Ion Ratio Lower Upper
70 100
42 52.1 50.2 75.4
101 0.0 8.3 12.5#
130 2.1 19.0 28.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142756.D

Acq: 12 Jun 2025 14:29

Instrument :

BNA_F

ClientSampleId :

VNJ-210

Tgt Ion:136 Resp: 259014

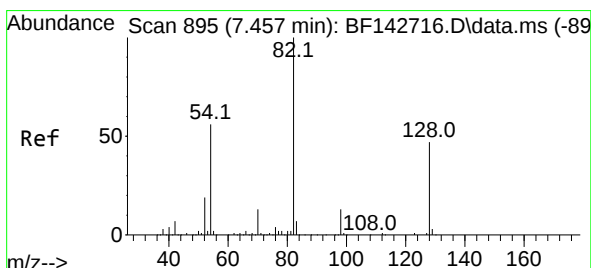
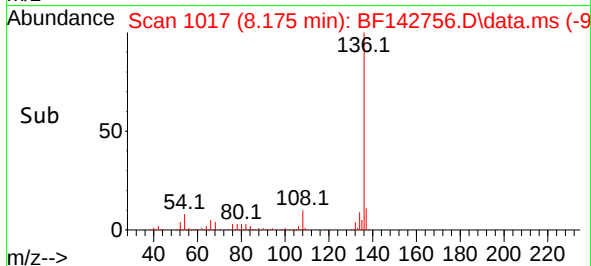
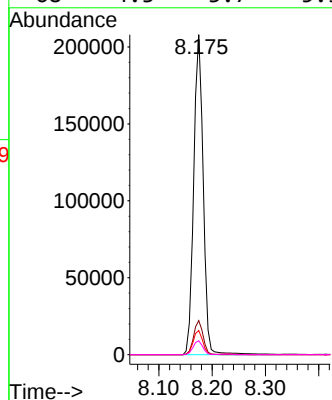
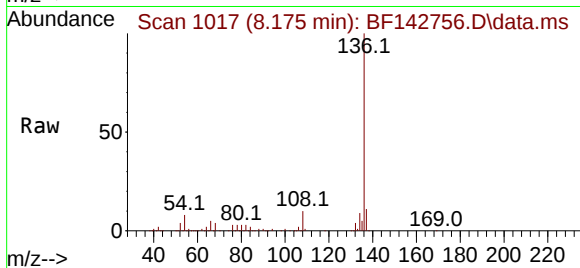
Ion Ratio Lower Upper

136 100

137 10.6 8.7 13.1

54 7.5 5.9 8.9

68 4.3 3.7 5.5



#23

Nitrobenzene-d5

Concen: 47.774 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.006 min

Lab File: BF142756.D

Acq: 12 Jun 2025 14:29

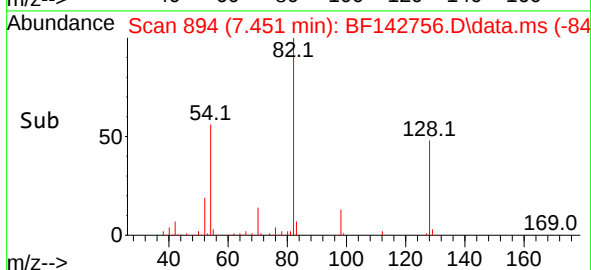
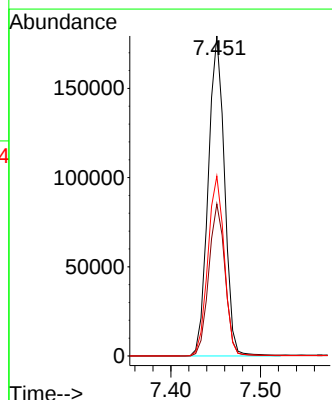
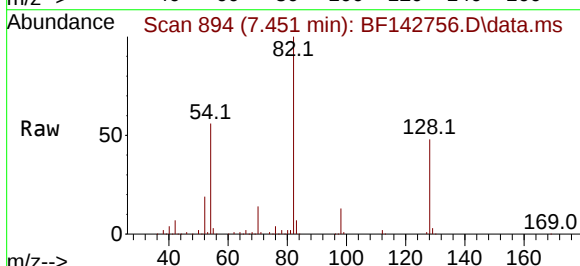
Tgt Ion: 82 Resp: 226102

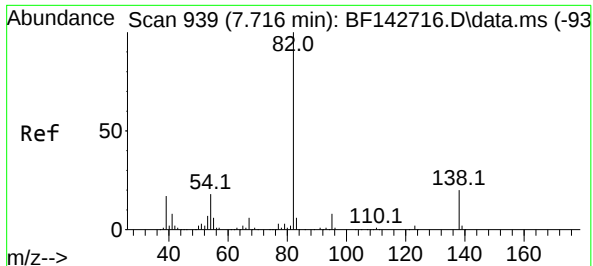
Ion Ratio Lower Upper

82 100

128 47.5 37.8 56.8

54 56.2 44.9 67.3

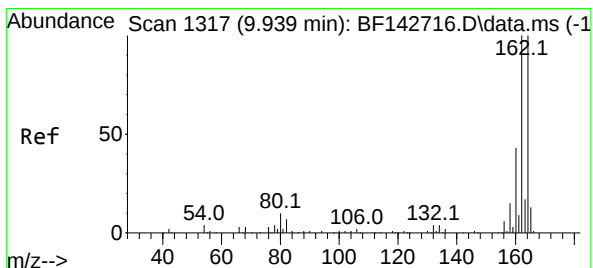
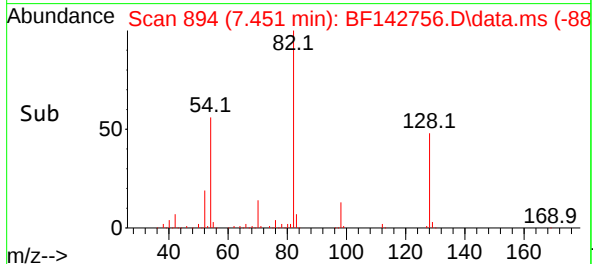
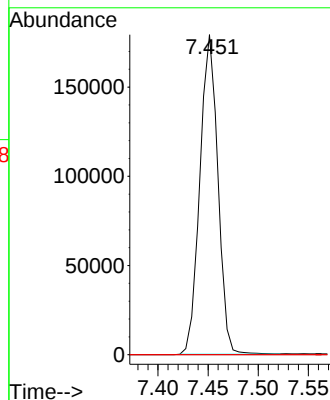
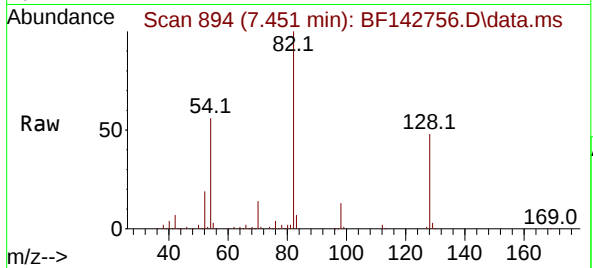




#25
Isophorone
Concen: 28.026 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.265 min
Lab File: BF142756.D
Acq: 12 Jun 2025 14:29

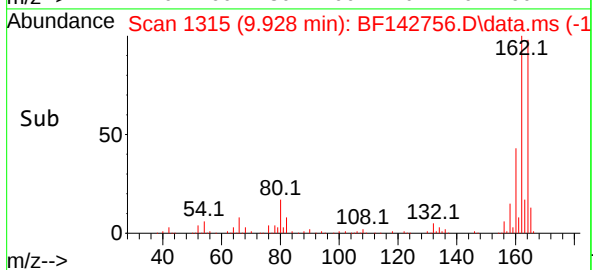
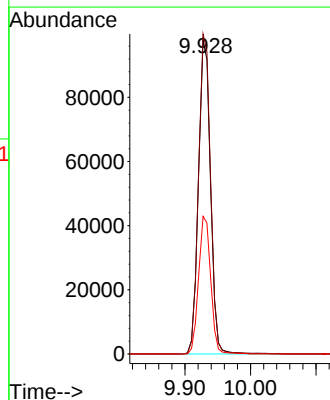
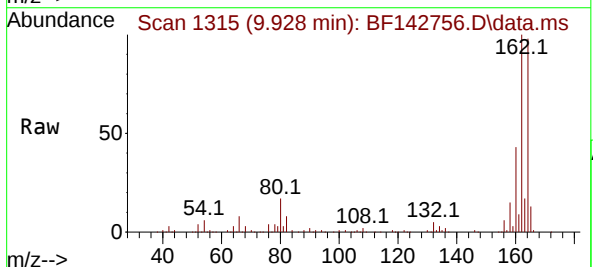
Instrument :
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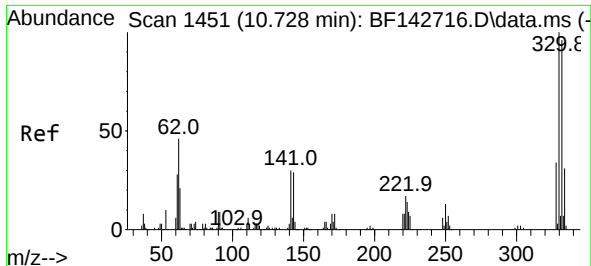
Tgt Ion: 82 Resp: 224582
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.8 23.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF142756.D
Acq: 12 Jun 2025 14:29

Tgt Ion:164 Resp: 125127
Ion Ratio Lower Upper
164 100
162 102.0 79.9 119.9
160 43.9 34.8 52.2

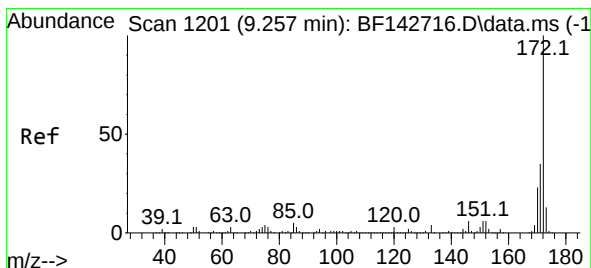
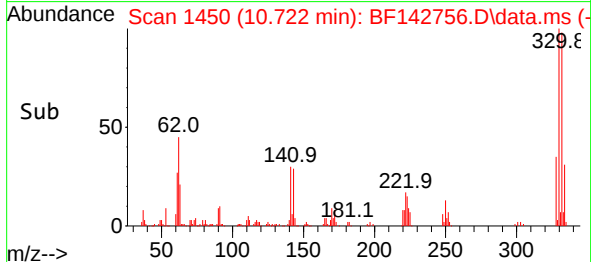
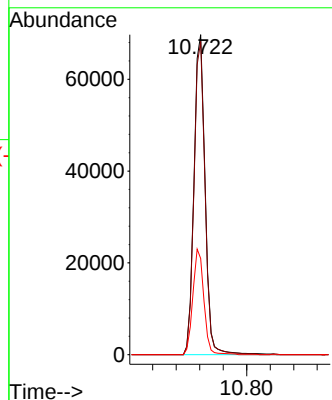
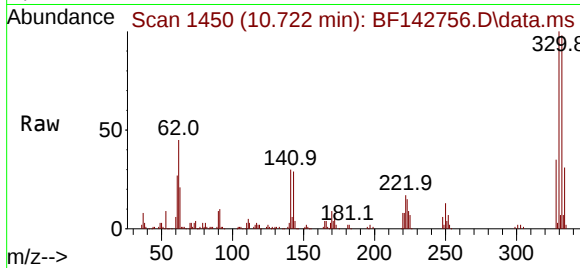




#42
 2,4,6-Tribromophenol
 Concen: 67.043 ng
 RT: 10.722 min Scan# 1451
 Delta R.T. -0.006 min
 Lab File: BF142756.D
 Acq: 12 Jun 2025 14:29

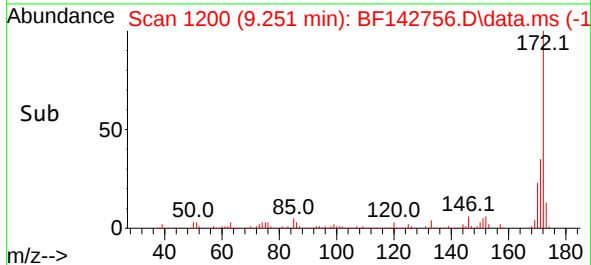
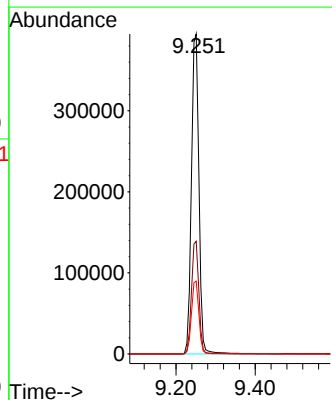
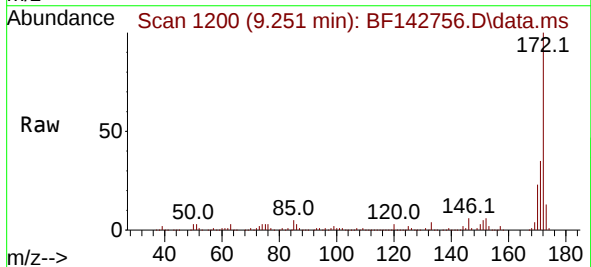
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-210

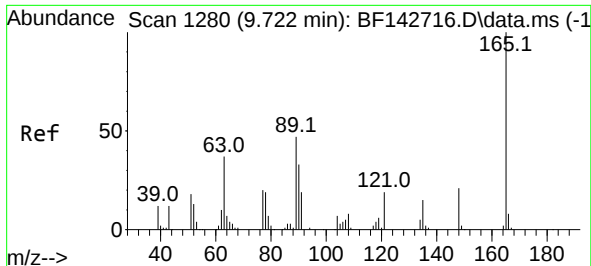
Tgt Ion: 330 Resp: 91941
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.0 115.6
 141 32.6 25.4 38.0



#45
 2-Fluorobiphenyl
 Concen: 55.147 ng
 RT: 9.251 min Scan# 1200
 Delta R.T. -0.006 min
 Lab File: BF142756.D
 Acq: 12 Jun 2025 14:29

Tgt Ion: 172 Resp: 519390
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.1 42.1
 170 22.8 18.6 27.8

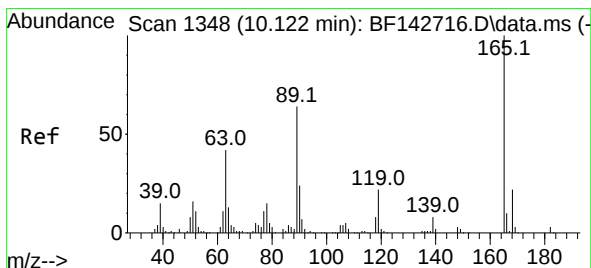
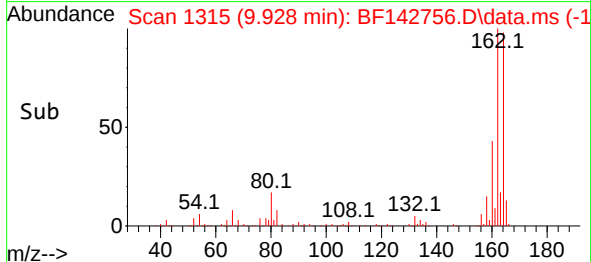
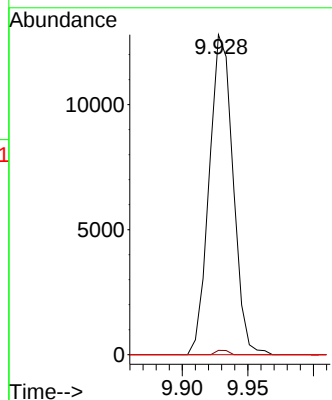
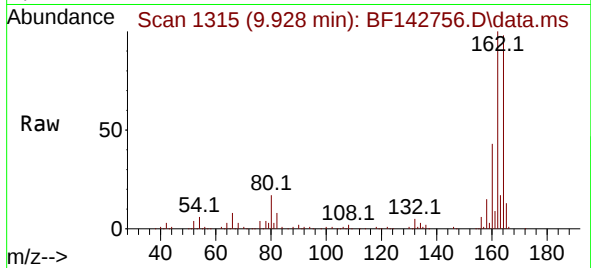




#51
2,6-Dinitrotoluene
Concen: 8.961 ng
RT: 9.928 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142756.D
Acq: 12 Jun 2025 14:29

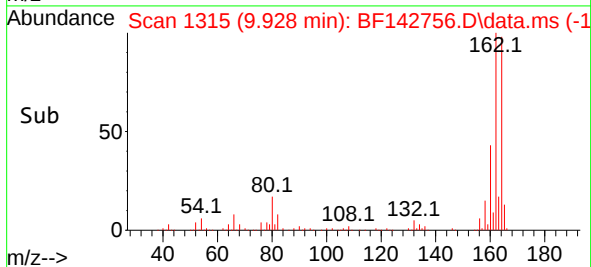
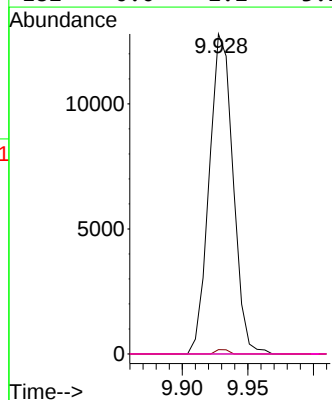
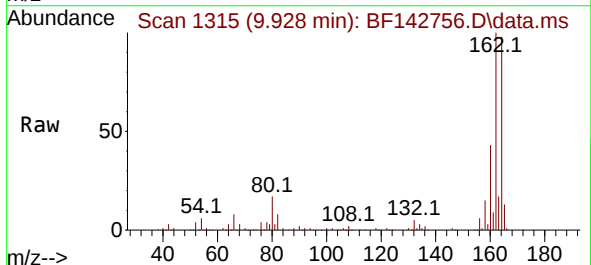
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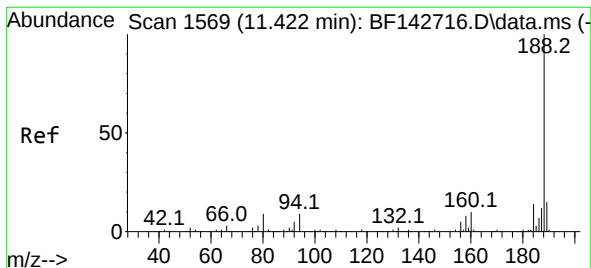
Tgt Ion:165 Resp: 16182
Ion Ratio Lower Upper
165 100
63 1.4 40.6 60.8#
89 0.0 37.6 56.4#



#57
2,4-Dinitrotoluene
Concen: 6.777 ng
RT: 9.928 min Scan# 1315
Delta R.T. -0.194 min
Lab File: BF142756.D
Acq: 12 Jun 2025 14:29

Tgt Ion:165 Resp: 16182
Ion Ratio Lower Upper
165 100
63 1.4 34.1 51.1#
89 0.0 50.8 76.2#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142756.D

Acq: 12 Jun 2025 14:29

Instrument :

BNA_F

ClientSampleId :

VNJ-210

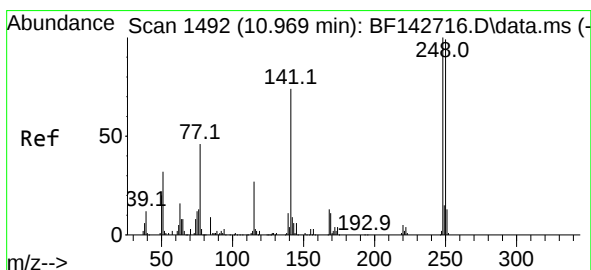
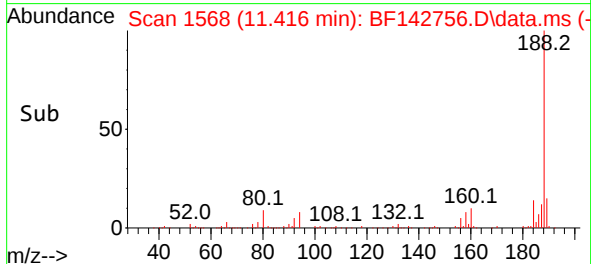
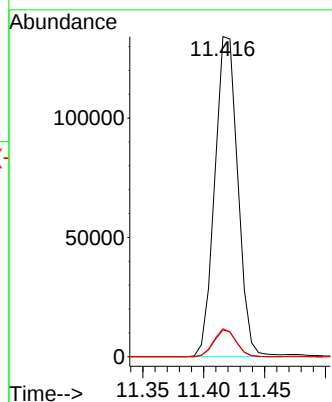
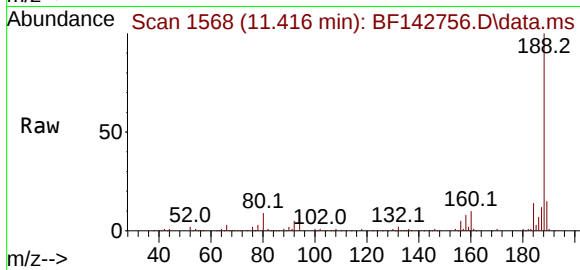
Tgt Ion:188 Resp: 176934

Ion Ratio Lower Upper

188 100

94 8.4 6.8 10.2

80 8.7 7.1 10.7



#67

4-Bromophenyl-phenylether

Concen: 2.757 ng

RT: 10.722 min Scan# 1450

Delta R.T. -0.247 min

Lab File: BF142756.D

Acq: 12 Jun 2025 14:29

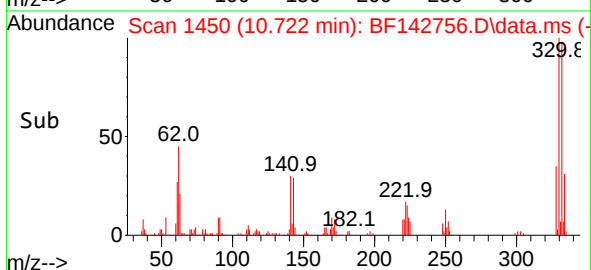
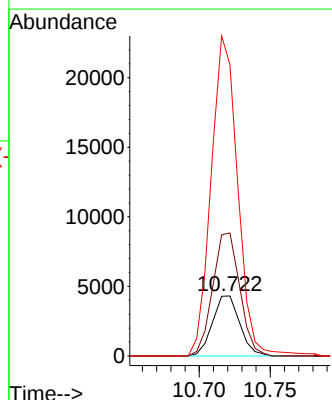
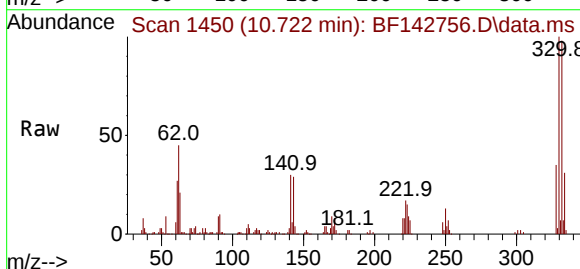
Tgt Ion:248 Resp: 5759

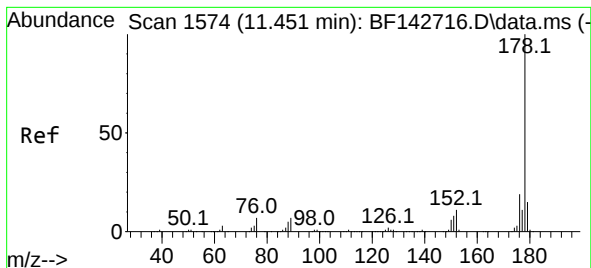
Ion Ratio Lower Upper

248 100

250 205.2 79.2 118.8#

141 485.9 59.3 88.9#





#71

Phenanthrene

Concen: 3.812 ng

RT: 11.439 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142756.D

Acq: 12 Jun 2025 14:29

Instrument :

BNA_F

ClientSampleId :

VNJ-210

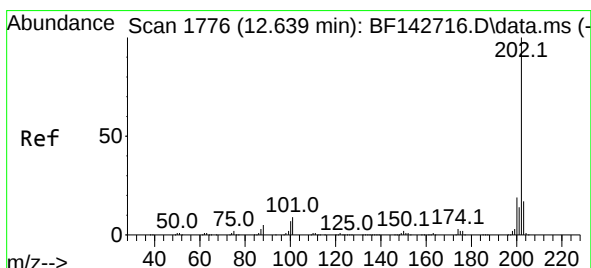
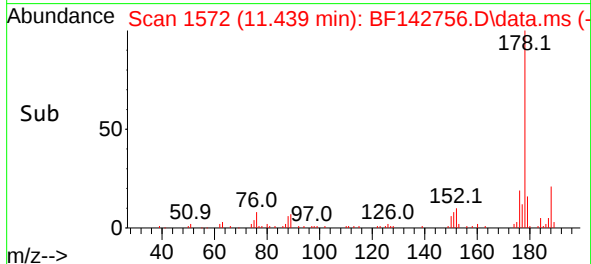
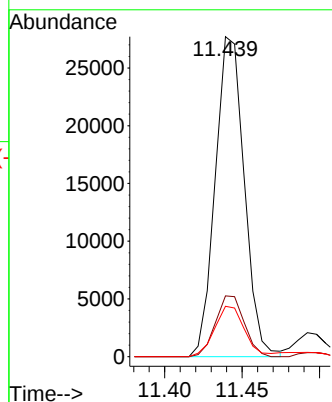
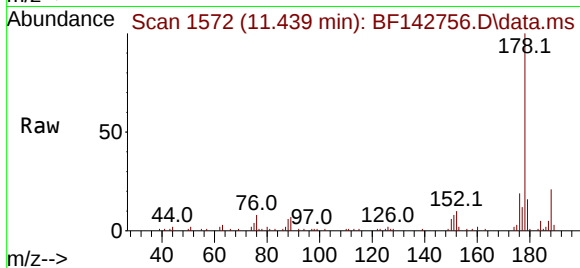
Tgt Ion:178 Resp: 36131

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

179 15.8 12.2 18.4



#75

Fluoranthene

Concen: 5.951 ng

RT: 12.633 min Scan# 1775

Delta R.T. -0.006 min

Lab File: BF142756.D

Acq: 12 Jun 2025 14:29

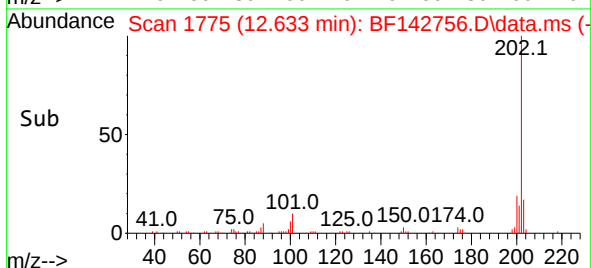
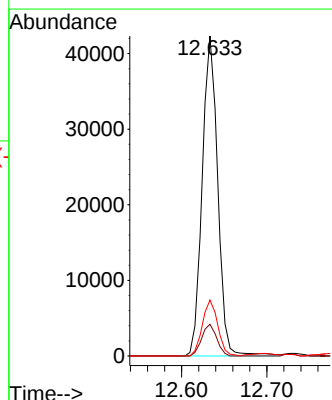
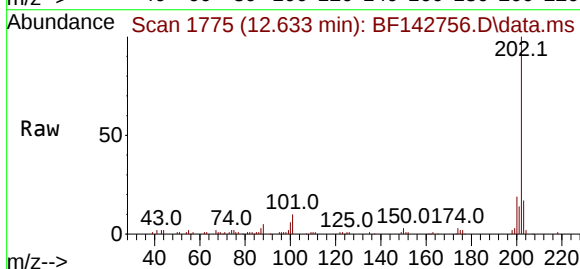
Tgt Ion:202 Resp: 53643

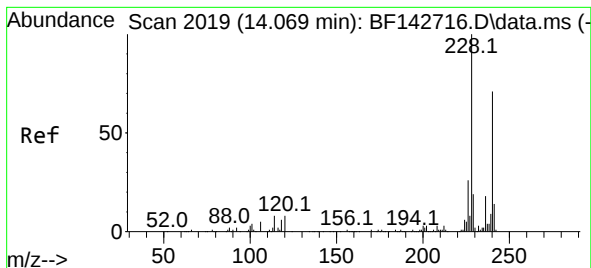
Ion Ratio Lower Upper

202 100

101 9.9 0.0 29.5

203 17.4 0.0 37.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142756.D

Acq: 12 Jun 2025 14:29

Instrument :

BNA_F

ClientSampleId :

VNJ-210

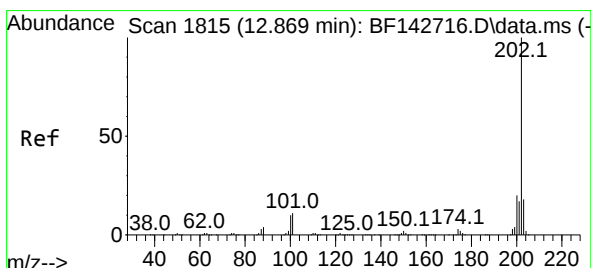
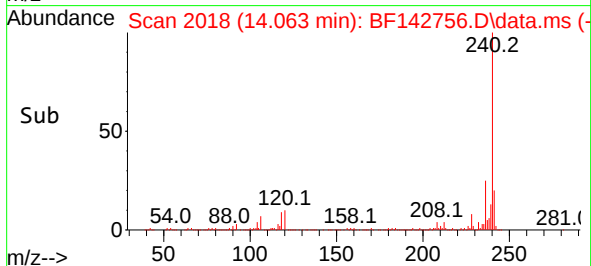
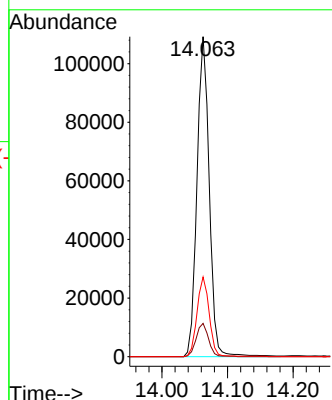
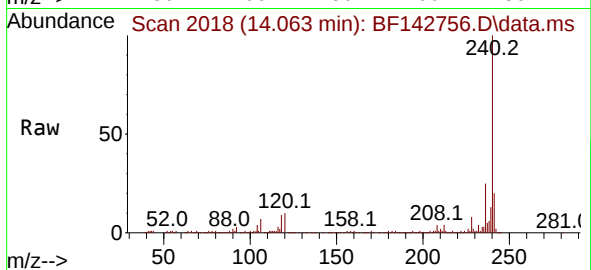
Tgt Ion:240 Resp: 142377

Ion Ratio Lower Upper

240 100

120 10.4 8.5 12.7

236 24.9 20.1 30.1



#78

Pyrene

Concen: 3.239 ng

RT: 12.863 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF142756.D

Acq: 12 Jun 2025 14:29

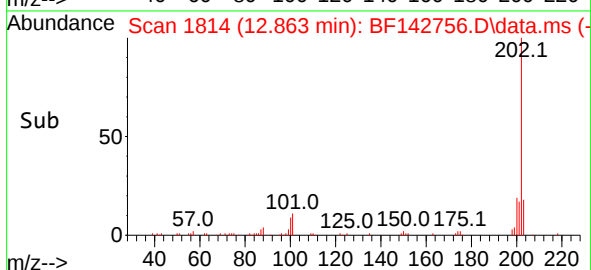
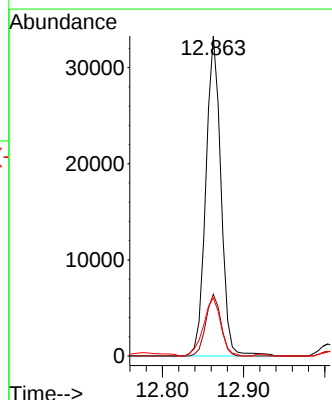
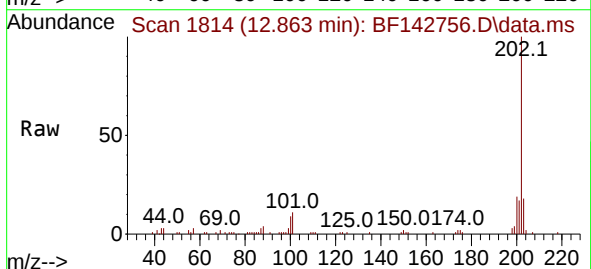
Tgt Ion:202 Resp: 42857

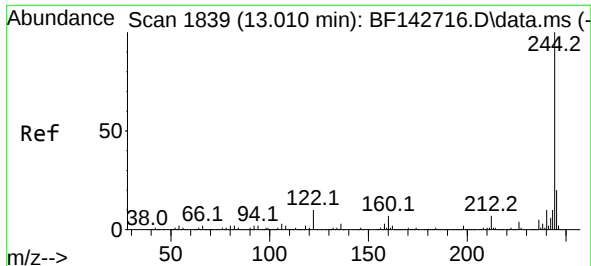
Ion Ratio Lower Upper

202 100

200 19.3 15.8 23.8

203 18.1 14.1 21.1

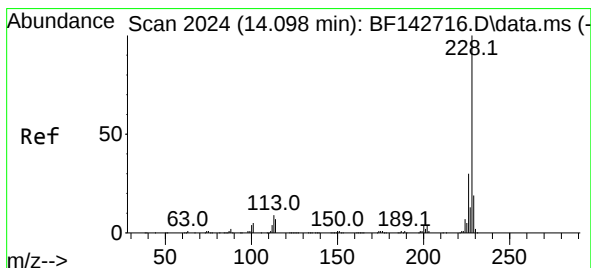
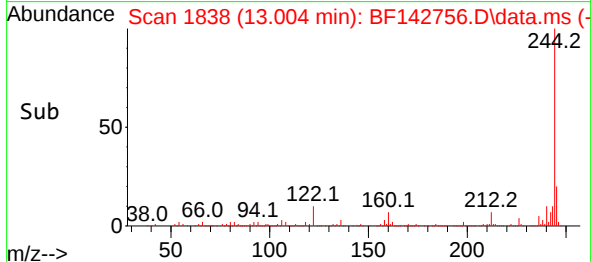
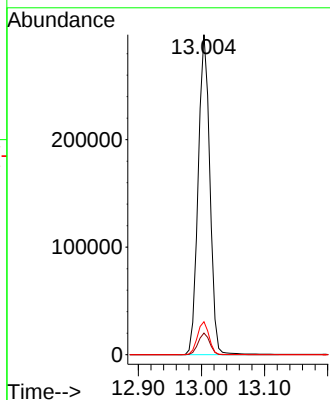
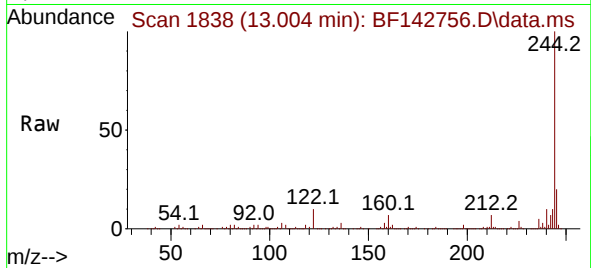




#79
 Terphenyl-d14
 Concen: 36.829 ng
 RT: 13.004 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF142756.D
 Acq: 12 Jun 2025 14:29

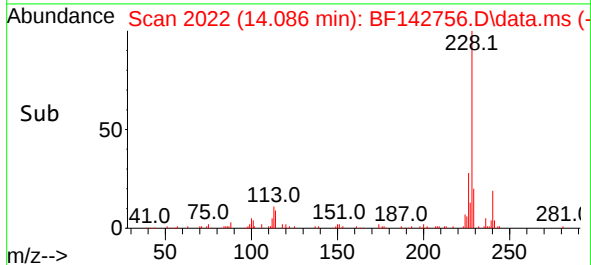
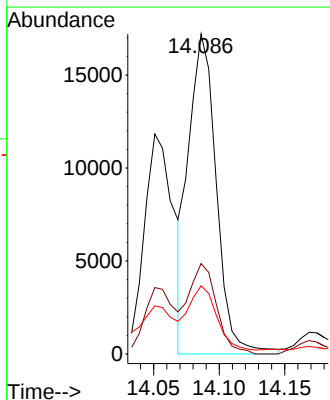
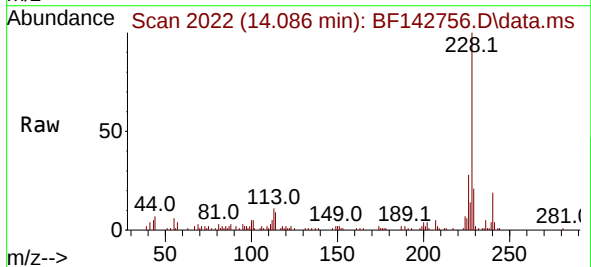
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-210

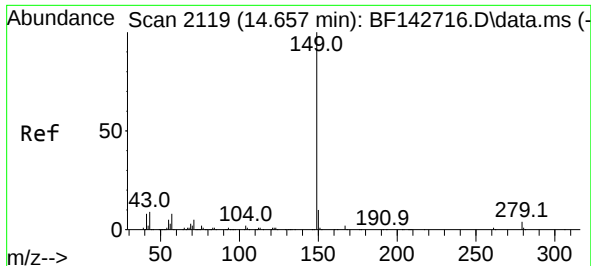
Tgt Ion:244 Resp: 381782
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 10.3 8.3 12.5



#83
 Chrysene
 Concen: 2.912 ng
 RT: 14.086 min Scan# 2022
 Delta R.T. -0.012 min
 Lab File: BF142756.D
 Acq: 12 Jun 2025 14:29

Tgt Ion:228 Resp: 25370
 Ion Ratio Lower Upper
 228 100
 226 28.3 23.6 35.4
 229 21.3 15.5 23.3

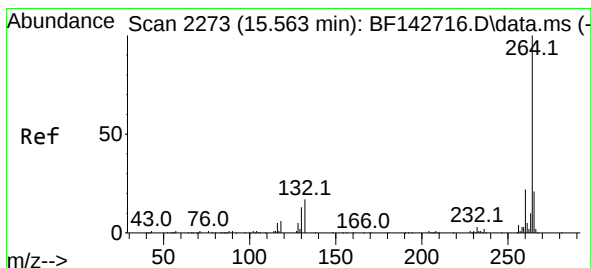
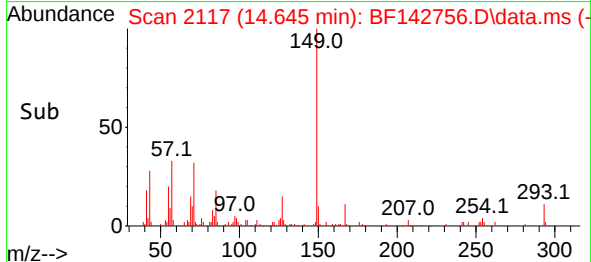
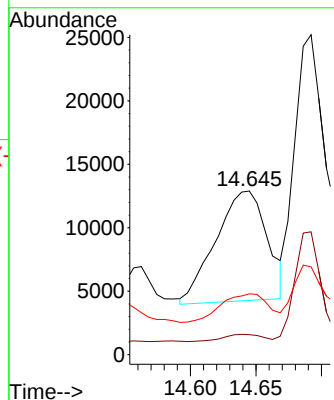
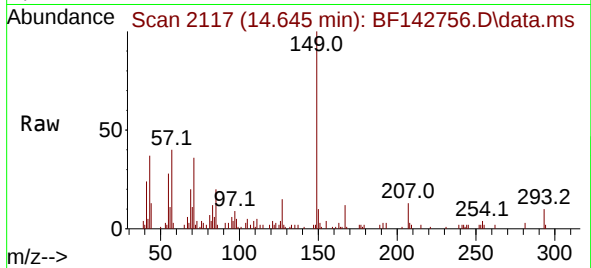




#85
Di-n-octyl phthalate
Concen: 2.099 ng
RT: 14.645 min Scan# 2119
Delta R.T. -0.012 min
Lab File: BF142756.D
Acq: 12 Jun 2025 14:29

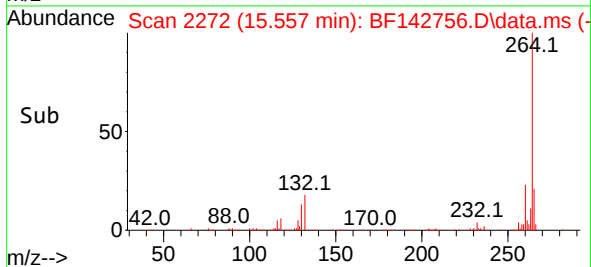
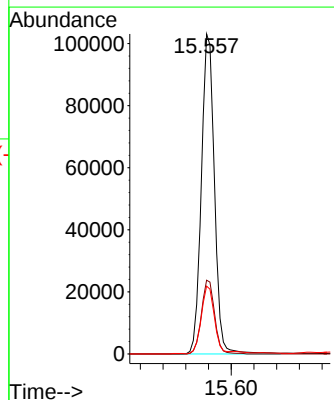
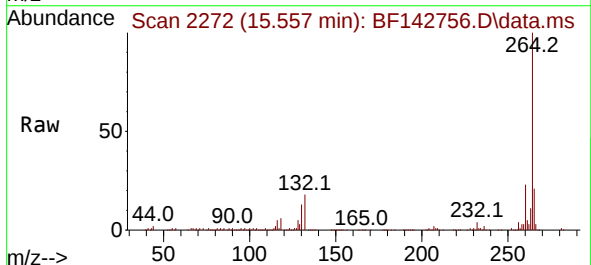
Instrument :
BNA_F
ClientSampleId :
VNJ-210

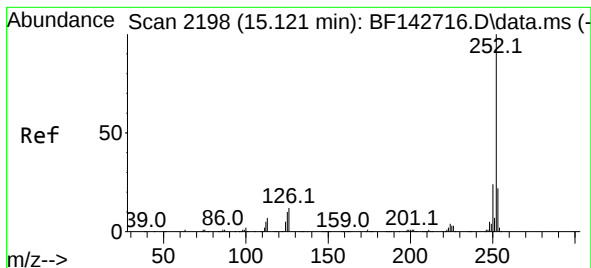
Tgt Ion:149 Resp: 23643
Ion Ratio Lower Upper
149 100
167 4.1 1.2 1.8#
43 23.5 7.3 10.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF142756.D
Acq: 12 Jun 2025 14:29

Tgt Ion:264 Resp: 165322
Ion Ratio Lower Upper
264 100
260 23.0 17.8 26.6
265 21.2 16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 5.369 ng

RT: 15.121 min Scan# 2198

Delta R.T. -0.000 min

Lab File: BF142756.D

Acq: 12 Jun 2025 14:29

Instrument :

BNA_F

ClientSampleId :

VNJ-210

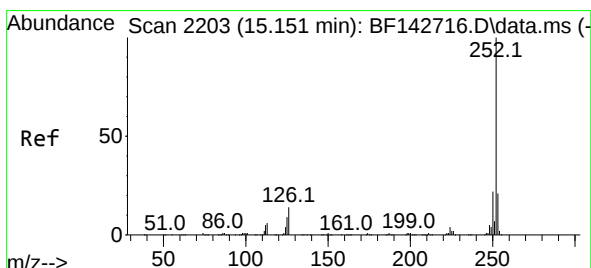
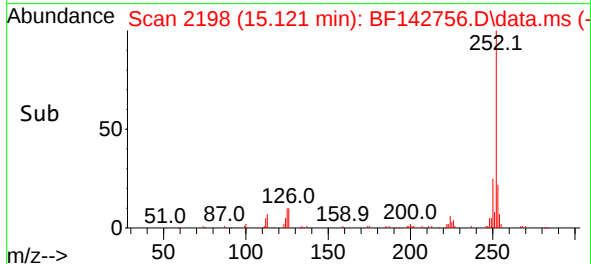
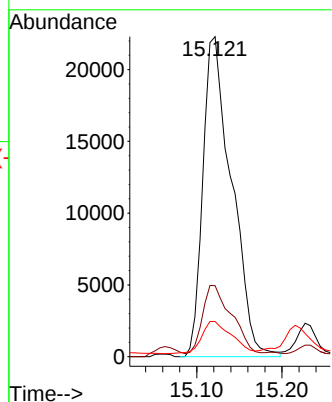
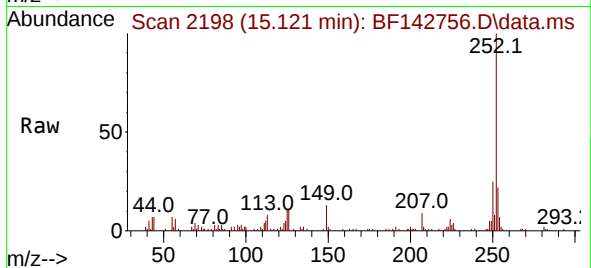
Tgt Ion:252 Resp: 52265

Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 11.0 7.8 11.6



#89

Benzo(k)fluoranthene

Concen: 5.534 ng

RT: 15.121 min Scan# 2198

Delta R.T. -0.029 min

Lab File: BF142756.D

Acq: 12 Jun 2025 14:29

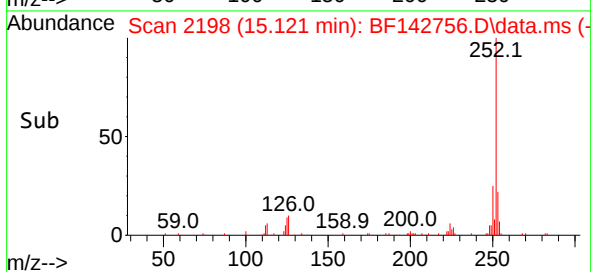
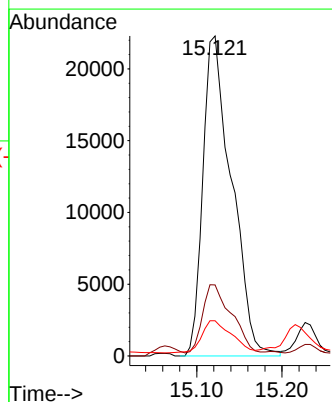
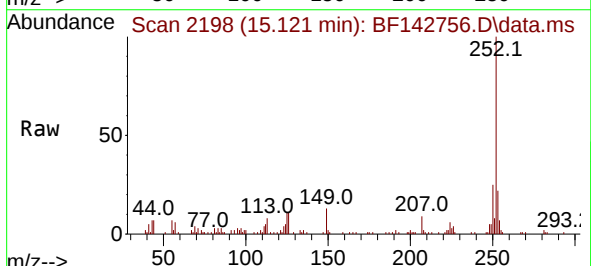
Tgt Ion:252 Resp: 52265

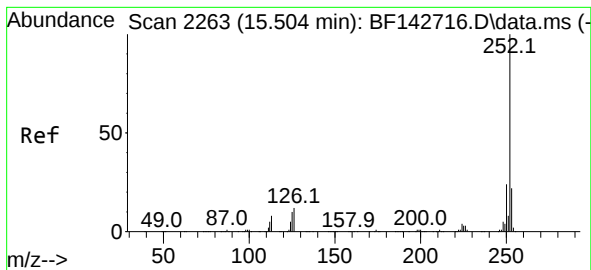
Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

125 11.0 7.5 11.3





#90

Benzo(a)pyrene

Concen: 2.170 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF142756.D

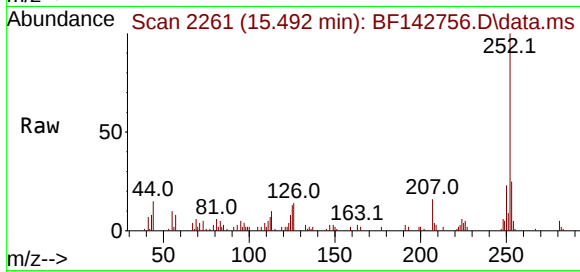
Acq: 12 Jun 2025 14:29

Instrument :

BNA_F

ClientSampleId :

VNJ-210



Tgt Ion:252 Resp: 20087

Ion Ratio Lower Upper

252 100

253 24.6 17.3 25.9

125 12.8 8.0 12.0#

