

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
 Data File : BF142757.D
 Acq On : 12 Jun 2025 14:58
 Operator : RC/JU
 Sample : Q2176-02RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-56

Quant Time: Jun 12 15:23:36 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)

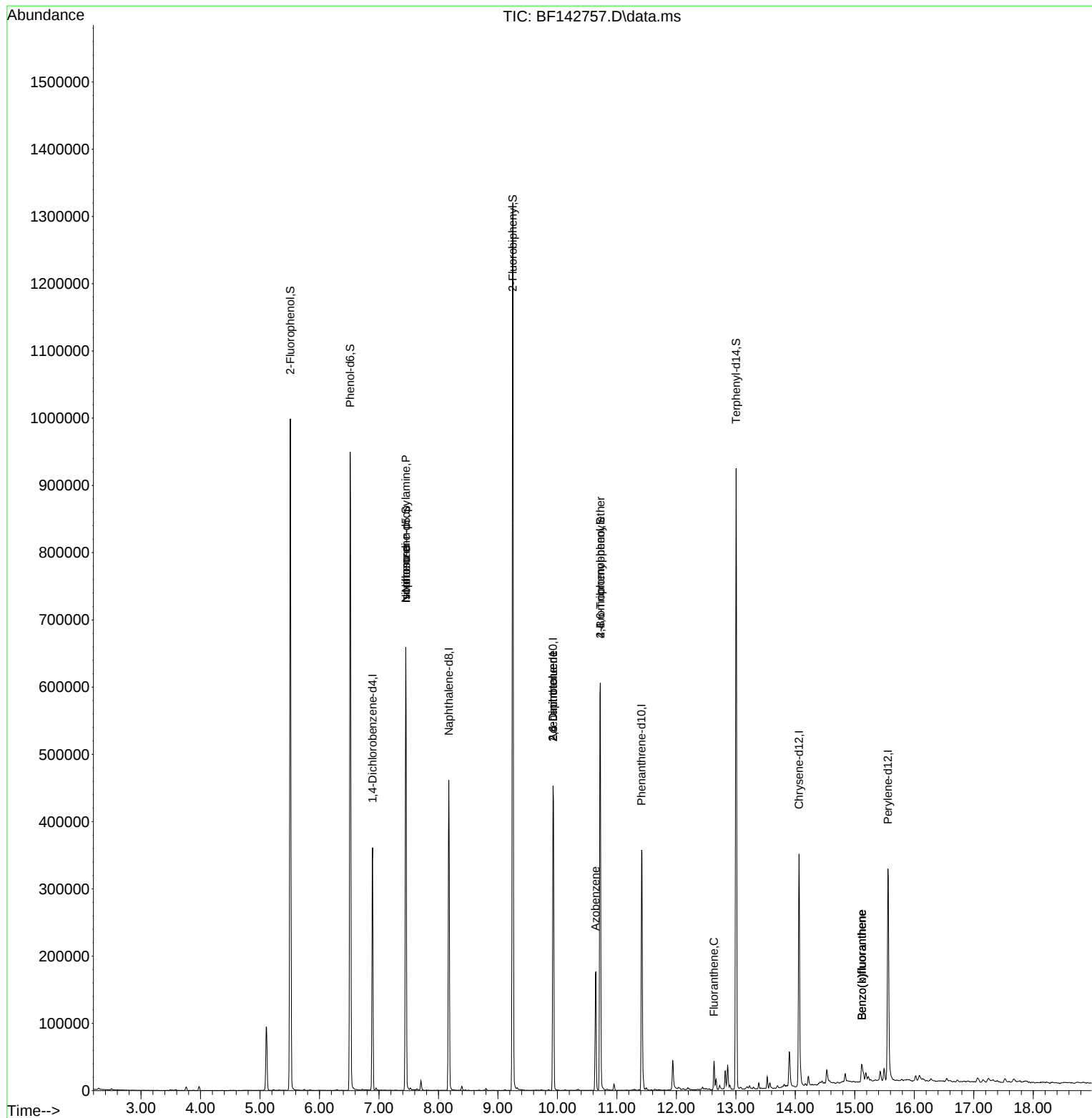
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	80751	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	294826	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	141230	20.000	ng	-0.01
64) Phenanthrene-d10	11.416	188	198627	20.000	ng	0.00
76) Chrysene-d12	14.063	240	163027	20.000	ng	0.00
86) Perylene-d12	15.557	264	189069	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	378394	79.808	ng	0.00
7) Phenol-d6	6.516	99	443079	79.408	ng	0.00
23) Nitrobenzene-d5	7.451	82	275911	51.217	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	107640	69.541	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	602258	56.655	ng	0.00
79) Terphenyl-d14	13.004	244	445566	37.537	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	37513	10.560	ng	# 76
25) Isophorone	7.451	82	274127	30.054	ng	# 63
51) 2,6-Dinitrotoluene	9.927	165	17849	8.757	ng	# 29
57) 2,4-Dinitrotoluene	9.927	165	17849	6.623	ng	# 27
63) Azobenzene	10.639	77	43177	5.287	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	6957	2.967	ng	# 1
75) Fluoranthene	12.633	202	25268	2.497	ng	99
88) Benzo(b)fluoranthene	15.121	252	24353	2.188	ng	99
89) Benzo(k)fluoranthene	15.121	252	24353	2.255	ng	99

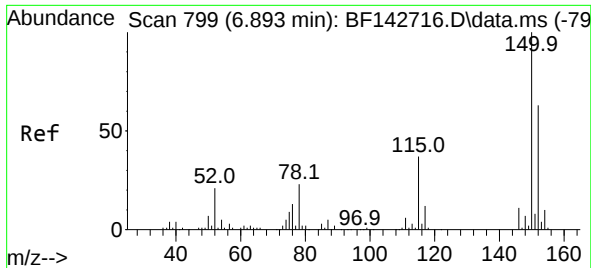
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 12 15:23:36 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

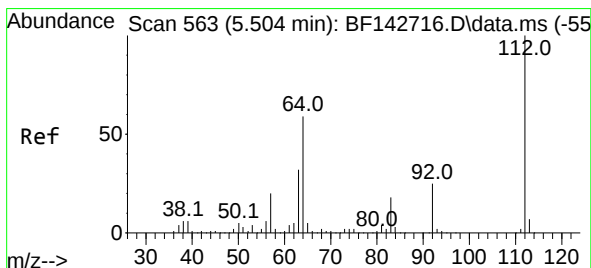
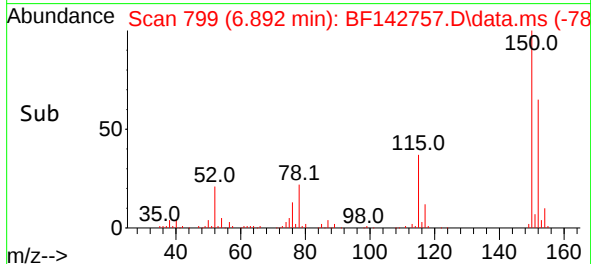
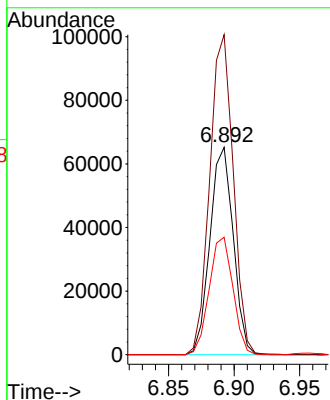
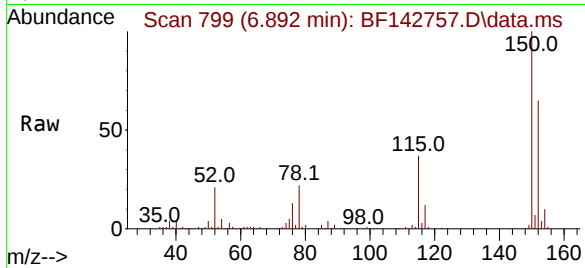




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 799
 Delta R.T. -0.001 min
 Lab File: BF142757.D
 Acq: 12 Jun 2025 14:58

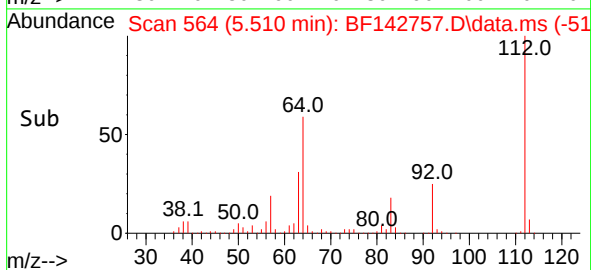
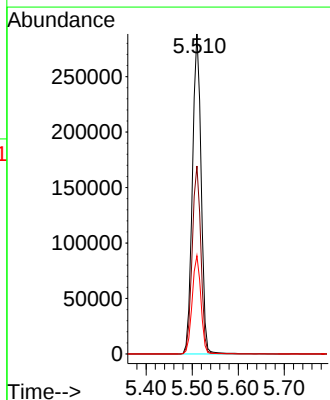
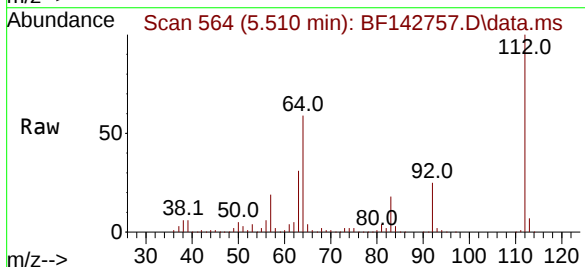
Instrument :
 BNA_F
 ClientSampleId :
 TP-56

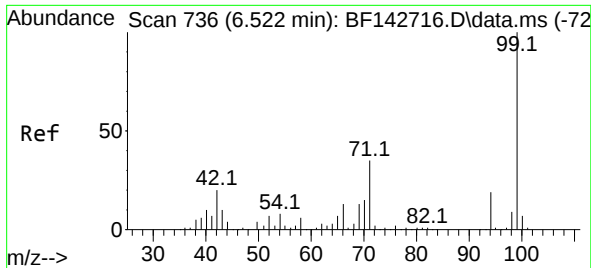
Tgt Ion:152 Resp: 80751
 Ion Ratio Lower Upper
 152 100
 150 154.3 126.9 190.3
 115 56.6 47.0 70.6



#5
 2-Fluorophenol
 Concen: 79.808 ng
 RT: 5.510 min Scan# 564
 Delta R.T. 0.006 min
 Lab File: BF142757.D
 Acq: 12 Jun 2025 14:58

Tgt Ion:112 Resp: 378394
 Ion Ratio Lower Upper
 112 100
 64 58.7 47.4 71.2
 63 30.7 25.4 38.0

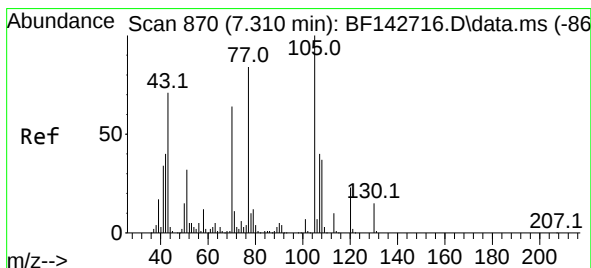
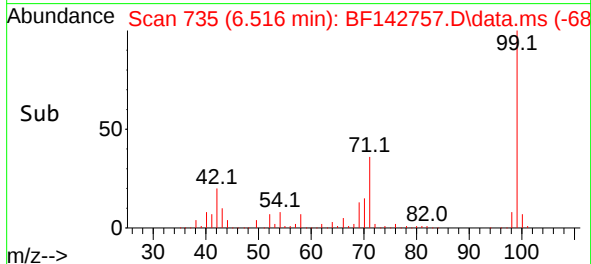
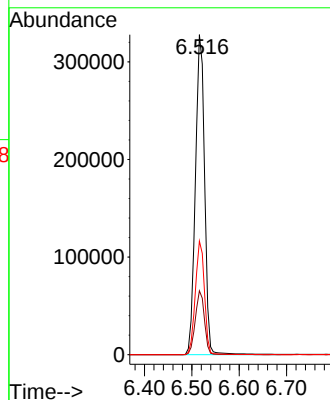
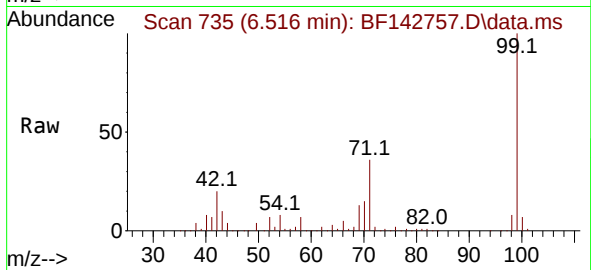




#7
Phenol-d6
Concen: 79.408 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

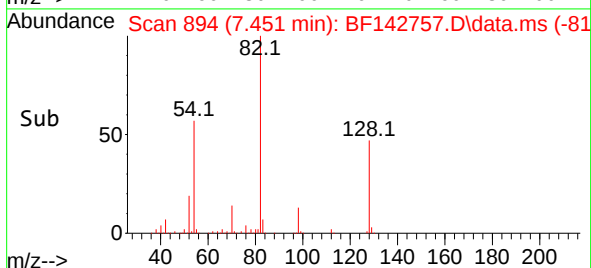
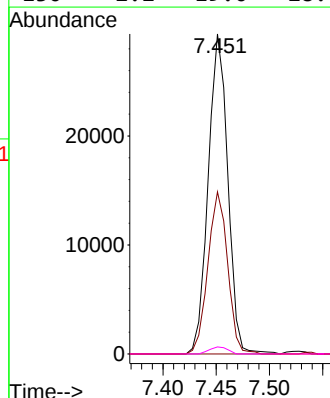
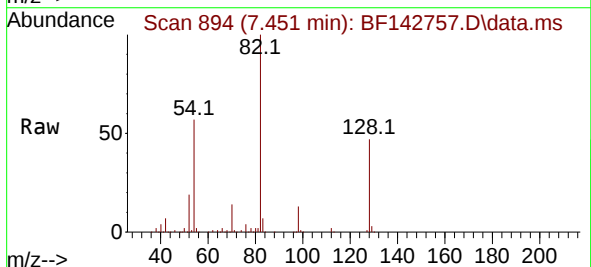
Instrument :
BNA_F
ClientSampleId :
TP-56

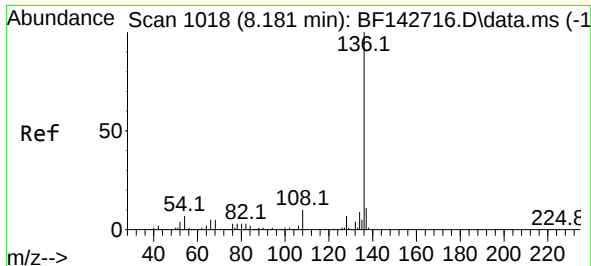
Tgt Ion: 99 Resp: 443079
Ion Ratio Lower Upper
99 100
42 20.0 15.9 23.9
71 35.5 28.0 42.0



#19
n-Nitroso-di-n-propylamine
Concen: 10.560 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.141 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

Tgt Ion: 70 Resp: 37513
Ion Ratio Lower Upper
70 100
42 50.6 50.2 75.4
101 0.0 8.3 12.5#
130 2.2 19.0 28.6#

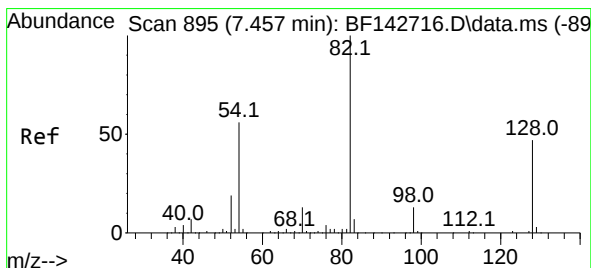
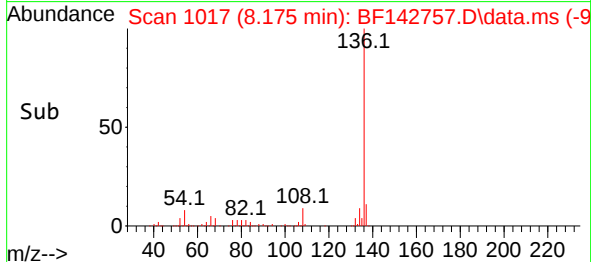
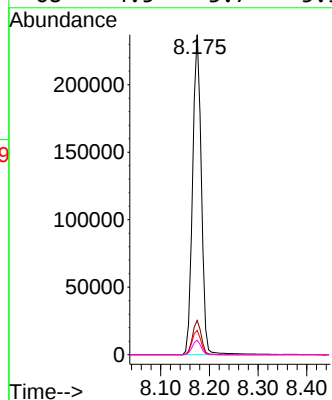
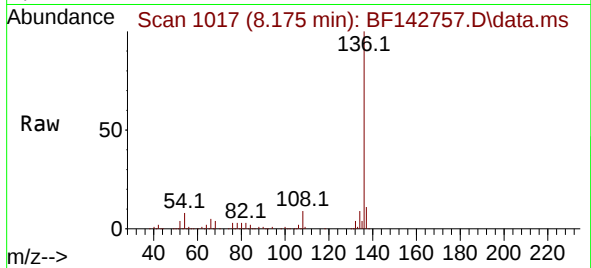




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

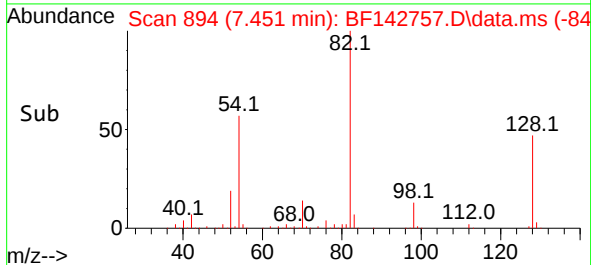
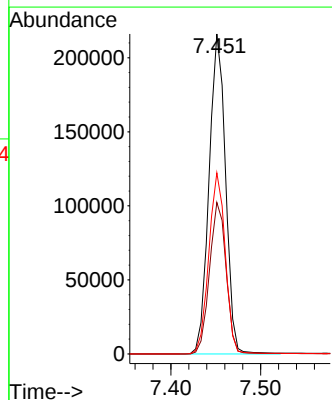
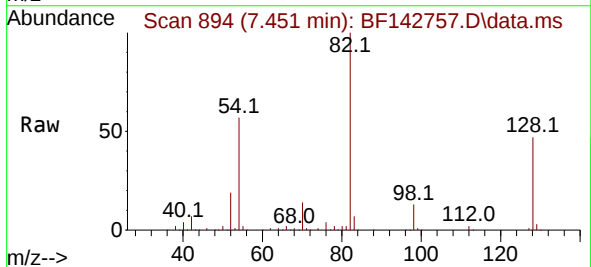
Instrument :
BNA_F
ClientSampleId :
TP-56

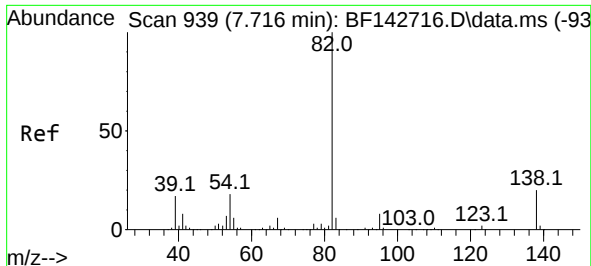
Tgt Ion:136 Resp: 294826
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 7.6 5.9 8.9
68 4.5 3.7 5.5



#23
Nitrobenzene-d5
Concen: 51.217 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

Tgt Ion: 82 Resp: 275911
Ion Ratio Lower Upper
82 100
128 47.4 37.8 56.8
54 56.6 44.9 67.3

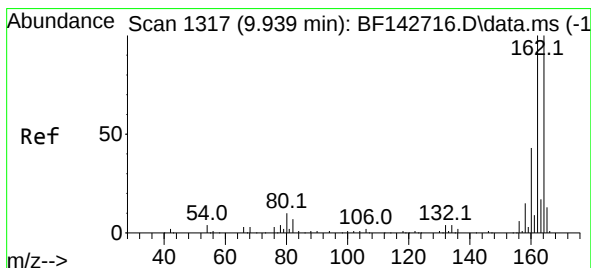
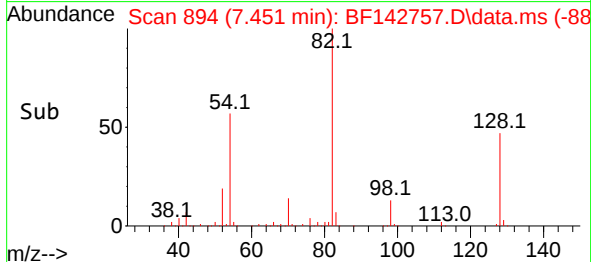
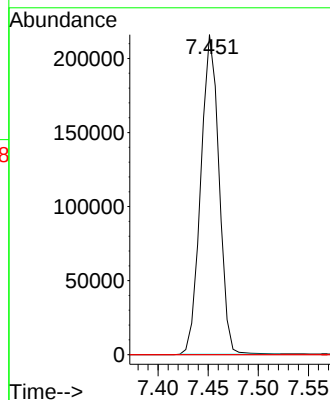
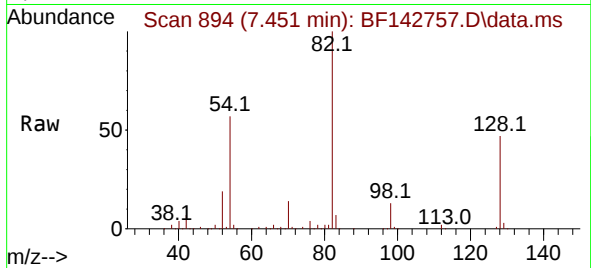




#25
Isophorone
Concen: 30.054 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.265 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

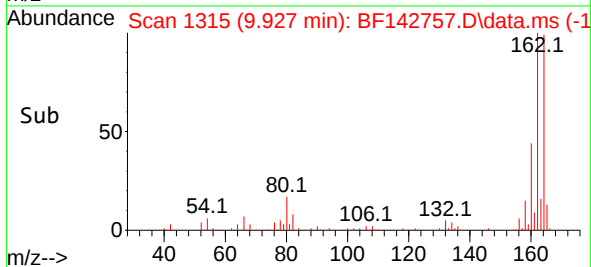
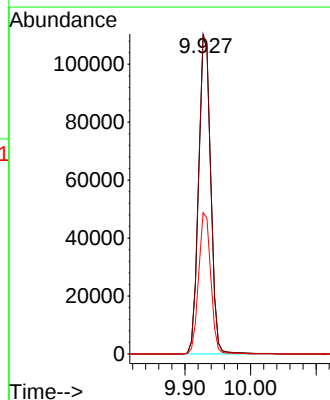
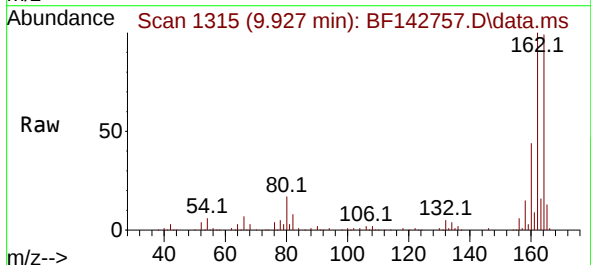
Instrument :
BNA_F
ClientSampleId :
TP-56

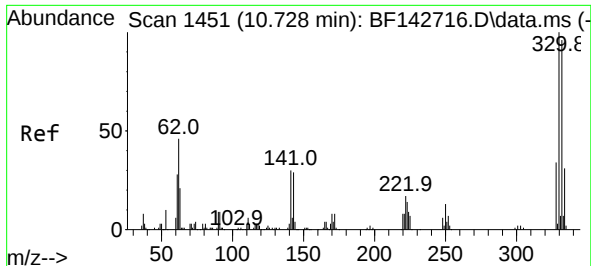
Tgt Ion: 82 Resp: 274127
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.8 23.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

Tgt Ion:164 Resp: 141230
Ion Ratio Lower Upper
164 100
162 101.1 79.9 119.9
160 44.7 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 69.541 ng

RT: 10.722 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF142757.D

Acq: 12 Jun 2025 14:58

Instrument :

BNA_F

ClientSampleId :

TP-56

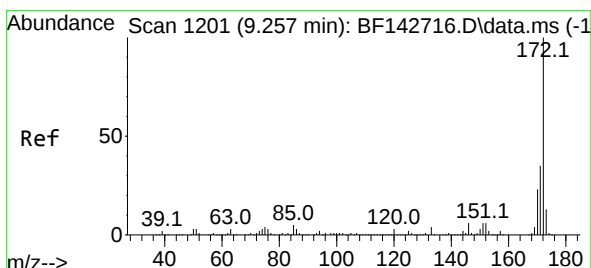
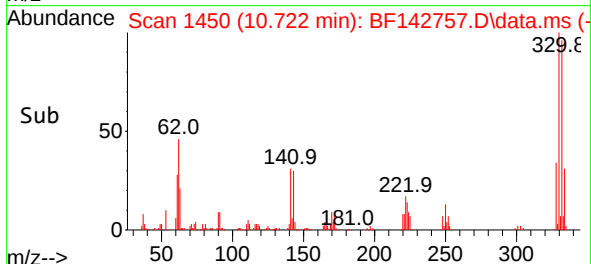
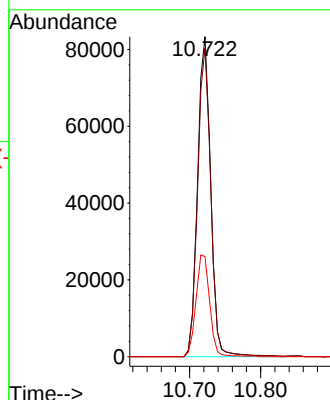
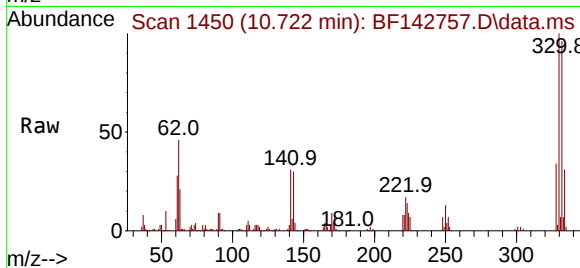
Tgt Ion:330 Resp: 107640

Ion Ratio Lower Upper

330 100

332 96.9 77.0 115.6

141 33.2 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 56.655 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF142757.D

Acq: 12 Jun 2025 14:58

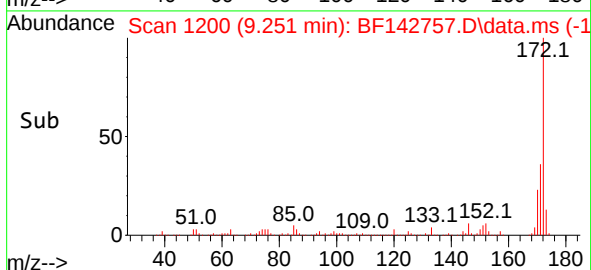
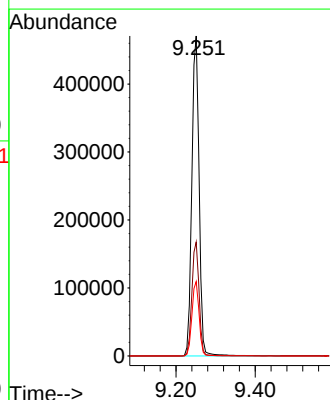
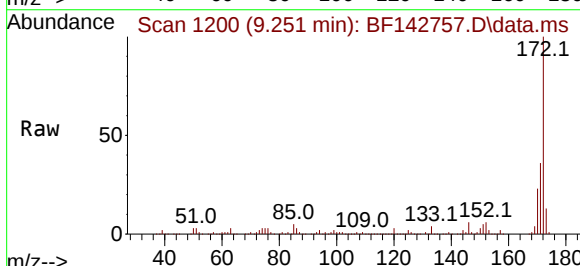
Tgt Ion:172 Resp: 602258

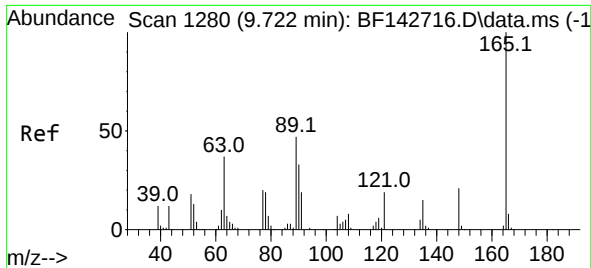
Ion Ratio Lower Upper

172 100

171 35.6 28.1 42.1

170 23.3 18.6 27.8

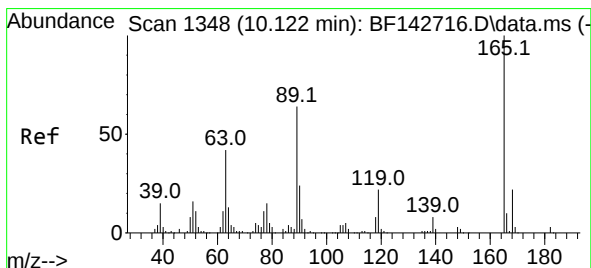
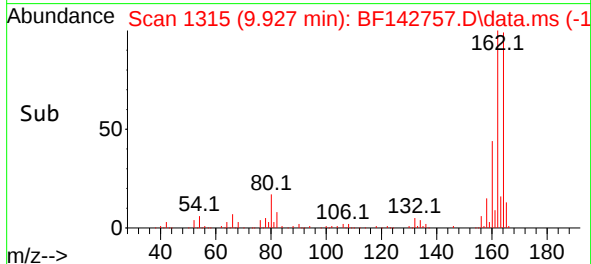
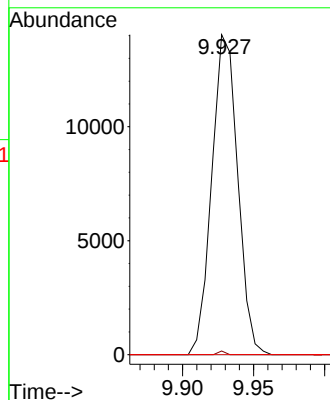
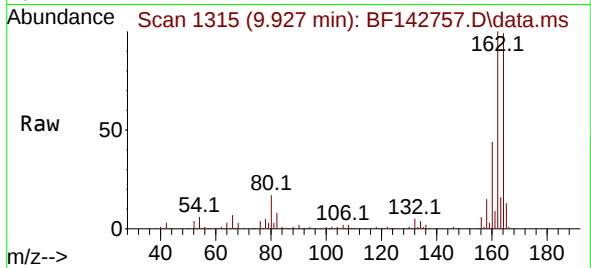




#51
2,6-Dinitrotoluene
Concen: 8.757 ng
RT: 9.927 min Scan# 1315
Delta R.T. 0.206 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

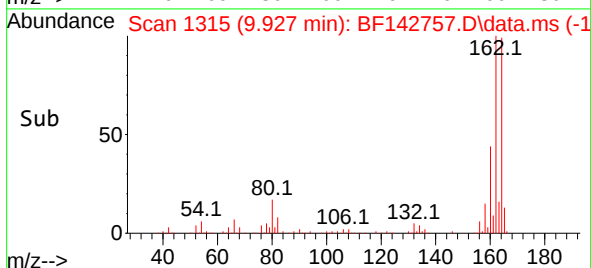
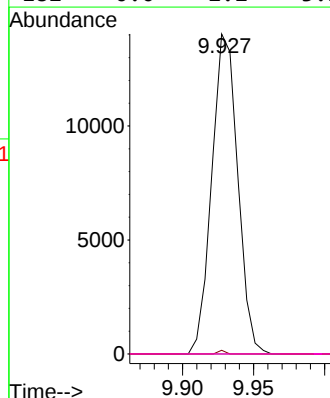
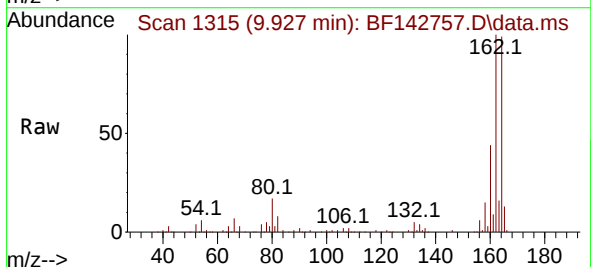
Instrument :
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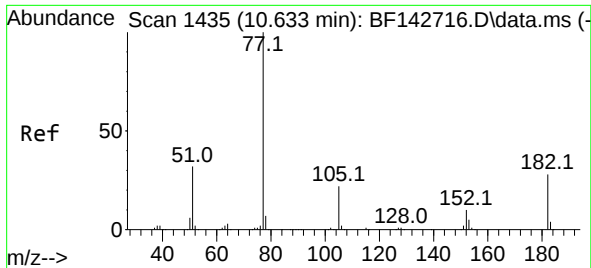
Tgt Ion:165 Resp: 17849
Ion Ratio Lower Upper
165 100
63 1.1 40.6 60.8#
89 0.0 37.6 56.4#



#57
2,4-Dinitrotoluene
Concen: 6.623 ng
RT: 9.927 min Scan# 1315
Delta R.T. -0.194 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

Tgt Ion:165 Resp: 17849
Ion Ratio Lower Upper
165 100
63 1.1 34.1 51.1#
89 0.0 50.8 76.2#
182 0.0 2.2 3.2#

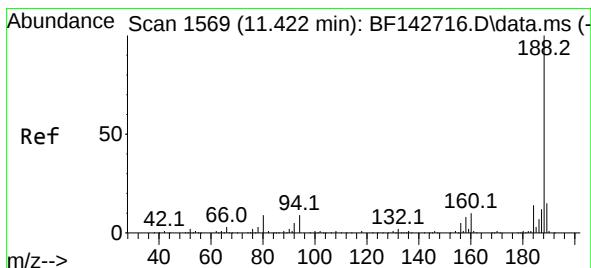
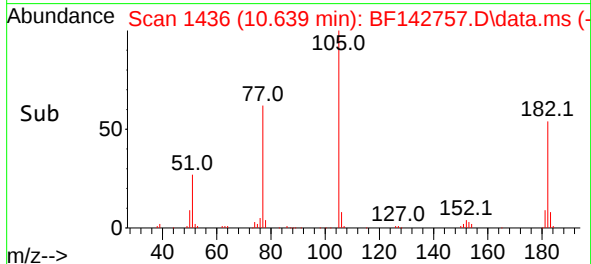
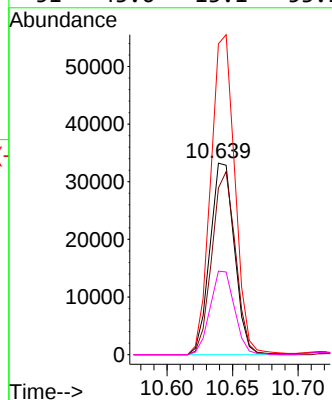
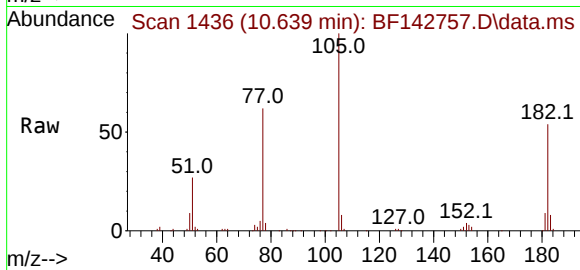




#63
Azobenzene
Concen: 5.287 ng
RT: 10.639 min Scan# 1435
Delta R.T. 0.006 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

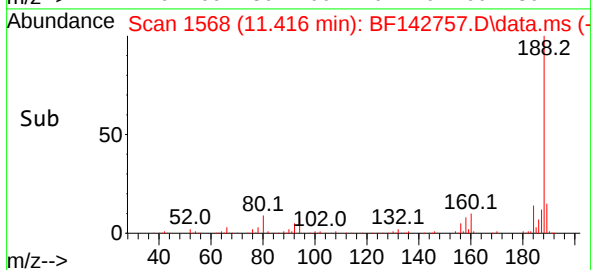
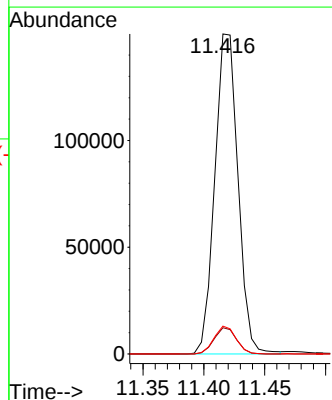
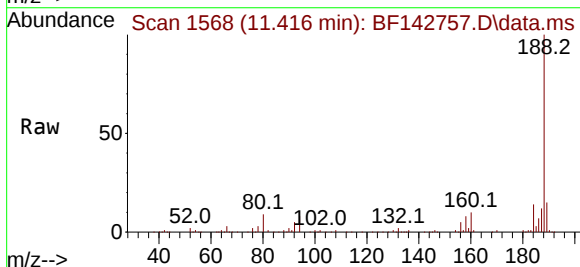
Instrument :
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TP-56

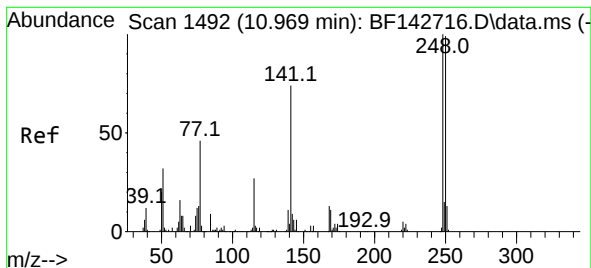
Tgt Ion: 77 Resp: 43177
Ion Ratio Lower Upper
77 100
182 87.0 7.8 47.8#
105 162.3 1.9 41.9#
51 43.6 13.1 53.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

Tgt Ion:188 Resp: 198627
Ion Ratio Lower Upper
188 100
94 8.2 6.8 10.2
80 8.7 7.1 10.7

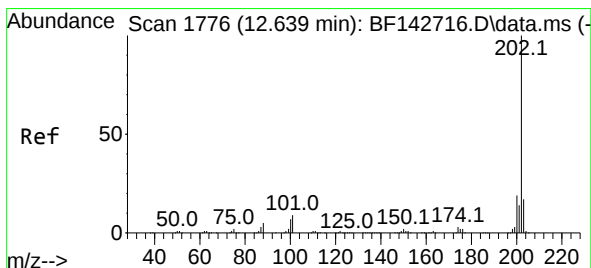
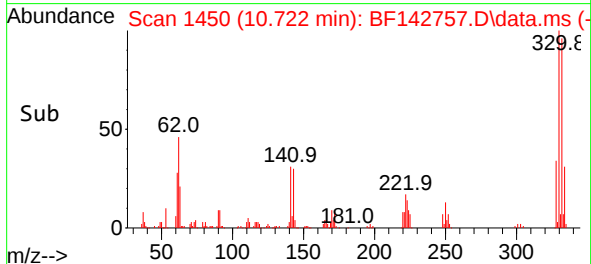
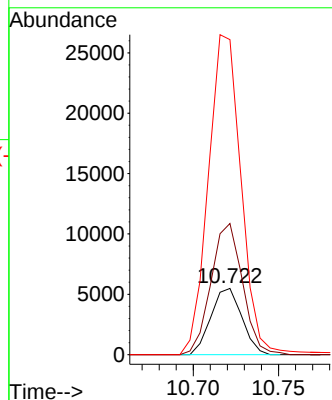
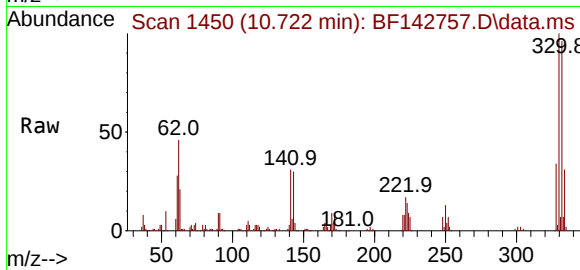




#67
4-Bromophenyl-phenylether
Concen: 2.967 ng
RT: 10.722 min Scan# 1492
Delta R.T. -0.247 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

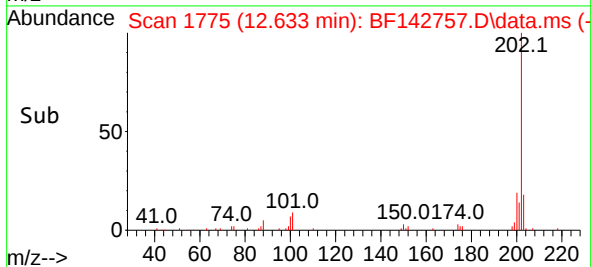
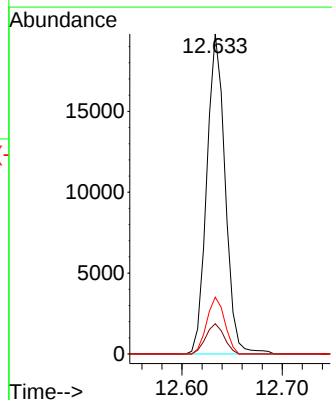
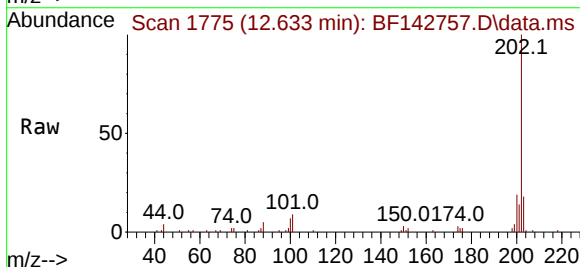
Instrument :
BNA_F
ClientSampleId :
TP-56

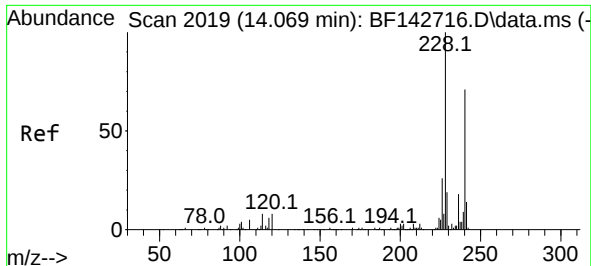
Tgt Ion:248 Resp: 6957
Ion Ratio Lower Upper
248 100
250 198.0 79.2 118.8#
141 475.4 59.3 88.9#



#75
Fluoranthene
Concen: 2.497 ng
RT: 12.633 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

Tgt Ion:202 Resp: 25268
Ion Ratio Lower Upper
202 100
101 9.5 0.0 29.5
203 17.8 0.0 37.0

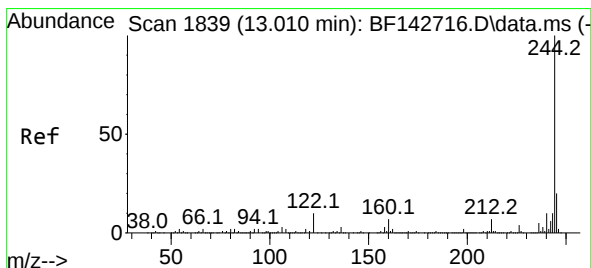
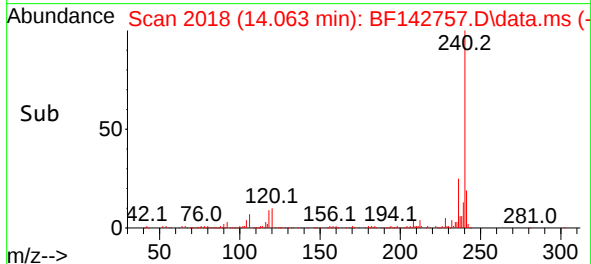
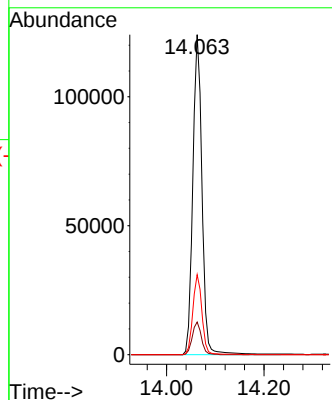
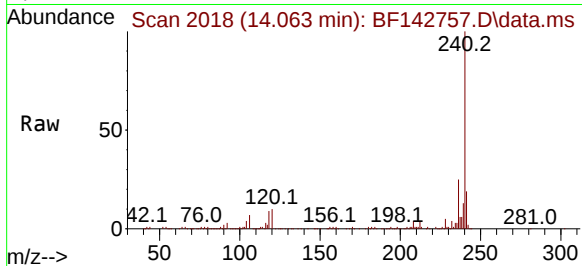




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

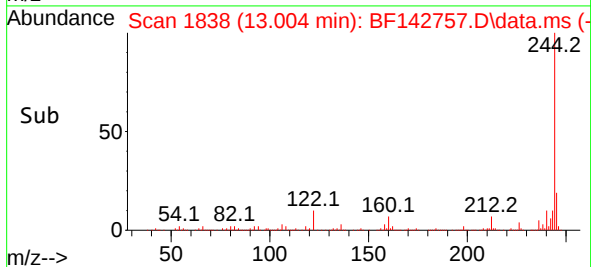
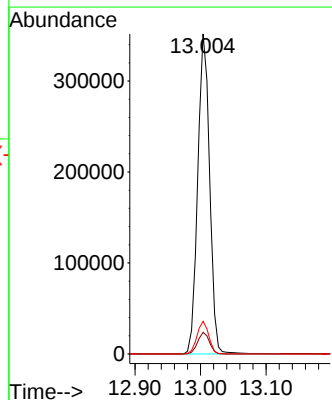
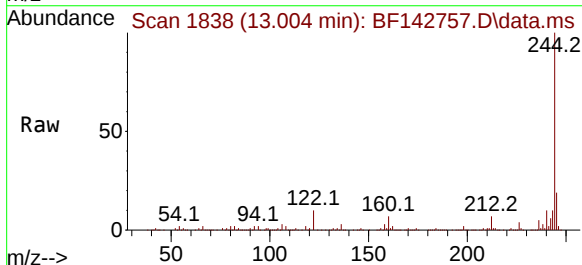
Instrument :
BNA_F
ClientSampleId :
TP-56

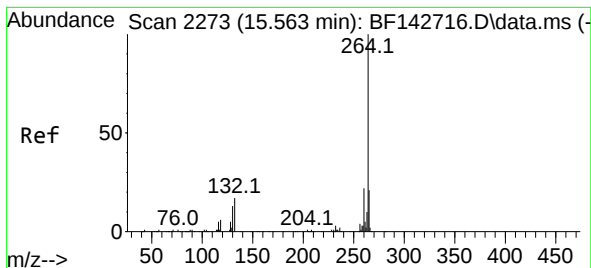
Tgt Ion:240 Resp: 163027
Ion Ratio Lower Upper
240 100
120 10.2 8.5 12.7
236 25.0 20.1 30.1



#79
Terphenyl-d14
Concen: 37.537 ng
RT: 13.004 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

Tgt Ion:244 Resp: 445566
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.0
122 10.2 8.3 12.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142757.D

Acq: 12 Jun 2025 14:58

Instrument :

BNA_F

ClientSampleId :

TP-56

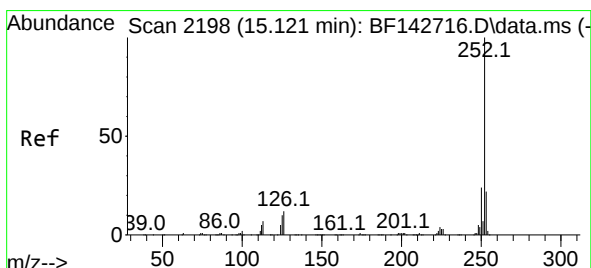
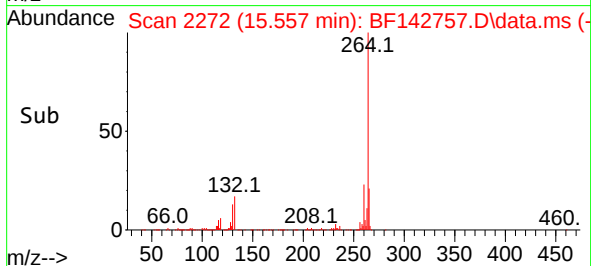
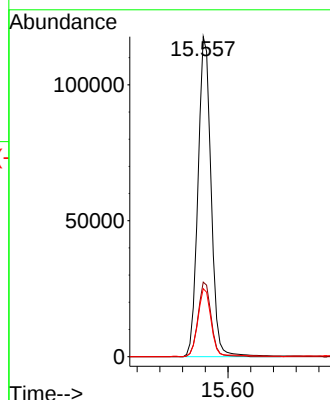
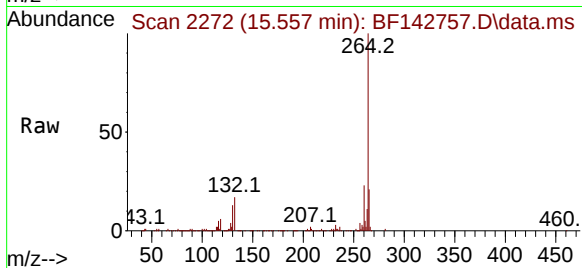
Tgt Ion:264 Resp: 189069

Ion Ratio Lower Upper

264 100

260 23.3 17.8 26.6

265 21.3 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 2.188 ng

RT: 15.121 min Scan# 2198

Delta R.T. -0.000 min

Lab File: BF142757.D

Acq: 12 Jun 2025 14:58

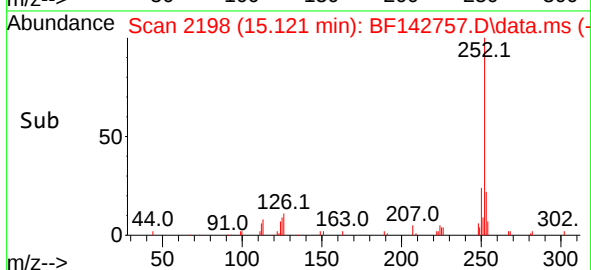
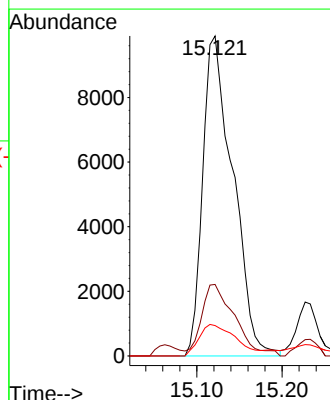
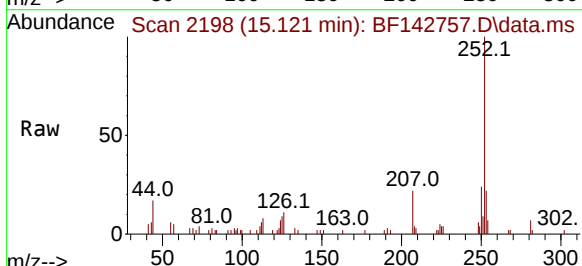
Tgt Ion:252 Resp: 24353

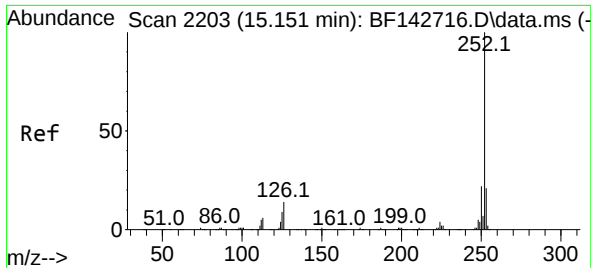
Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

125 9.5 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 2.255 ng

RT: 15.121 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF142757.D

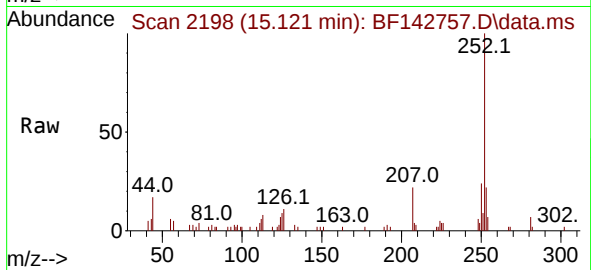
Acq: 12 Jun 2025 14:58

Instrument :

BNA_F

ClientSampleId :

TP-56



Tgt Ion:252 Resp: 24353

Ion Ratio Lower Upper

252 100

253 22.4 17.3 25.9

125 9.5 7.5 11.3

