

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
 Data File : BF142617.D
 Acq On : 04 Jun 2025 20:17
 Operator : RC/JU
 Sample : Q2173-13 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 05 01:27:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

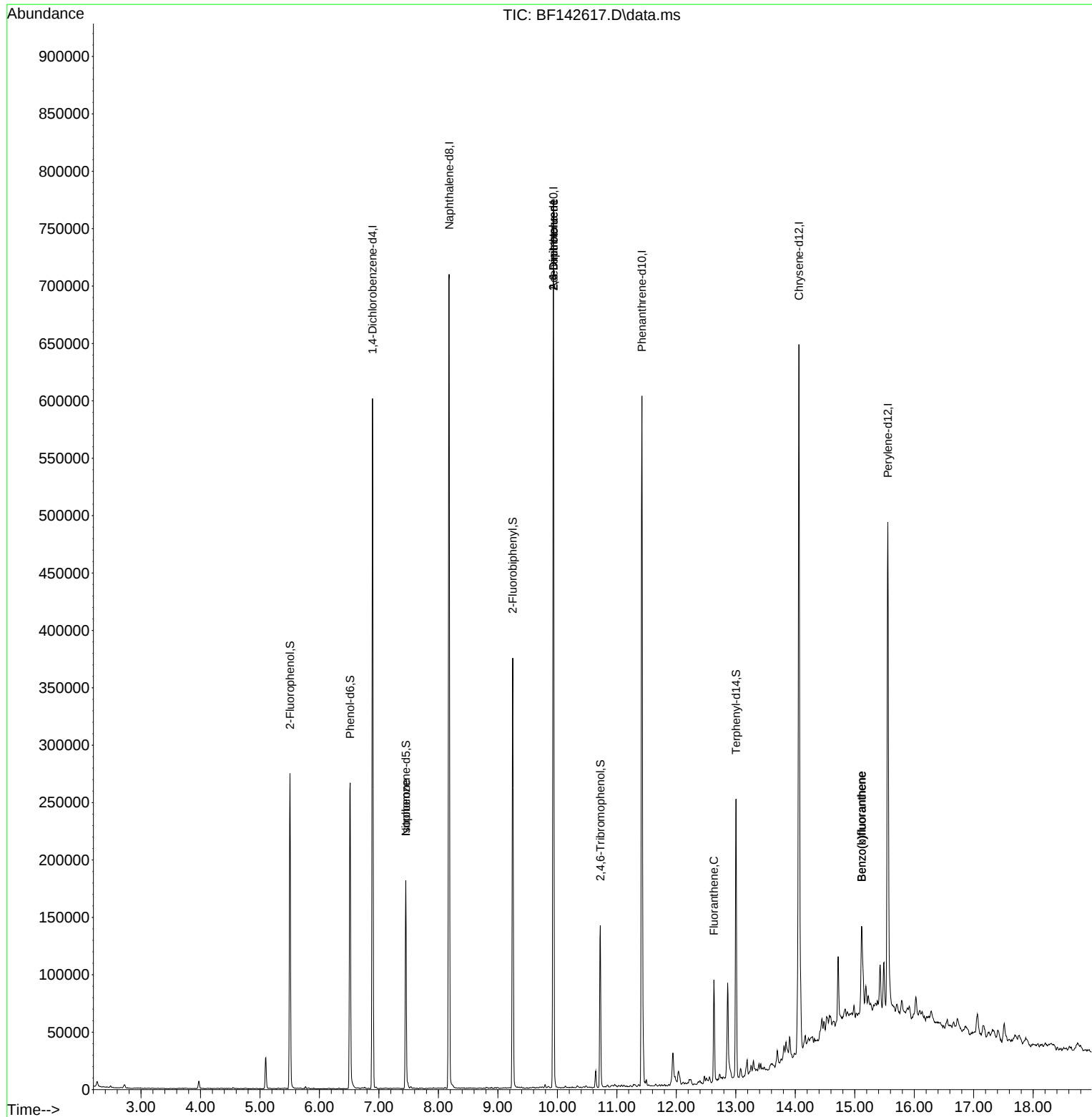
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	133037	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	483587	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	229798	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	311847	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	278838	20.000	ng	-0.01
86) Perylene-d12	15.557	264	256344	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	107681	13.637	ng	-0.01
7) Phenol-d6	6.516	99	128273	13.495	ng	-0.02
23) Nitrobenzene-d5	7.451	82	75900	8.558	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	24843	9.741	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	170332	9.946	ng	-0.02
79) Terphenyl-d14	13.004	244	116190	5.694	ng	-0.01
Target Compounds						Qvalue
25) Isophorone	7.451	82	64611	4.358	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	29296	8.952	ng	# 28
57) 2,4-Dinitrotoluene	9.933	165	29296	6.855	ng	# 28
75) Fluoranthene	12.633	202	50669	3.254	ng	98
88) Benzo(b)fluoranthene	15.115	252	60187	3.967	ng	# 94
89) Benzo(k)fluoranthene	15.115	252	60187	4.236	ng	# 94

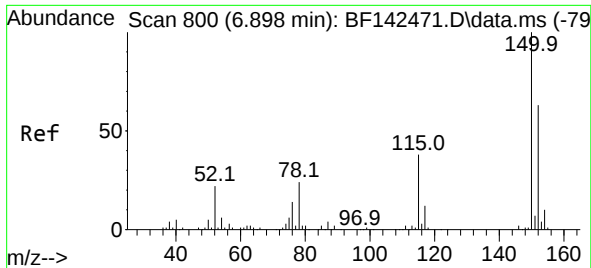
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
Data File : BF142617.D
Acq On : 04 Jun 2025 20:17
Operator : RC/JU
Sample : Q2173-13 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

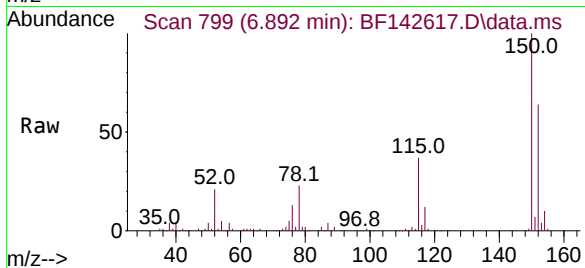
Quant Time: Jun 05 01:27:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



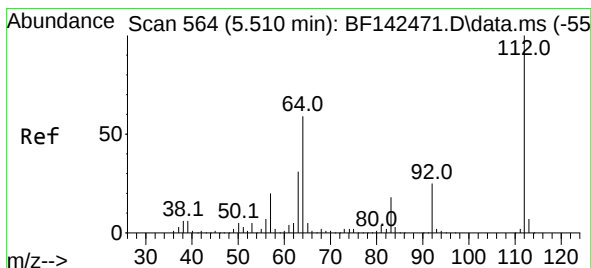
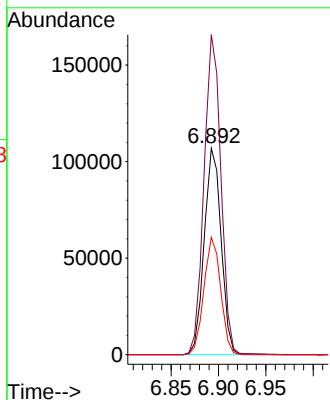
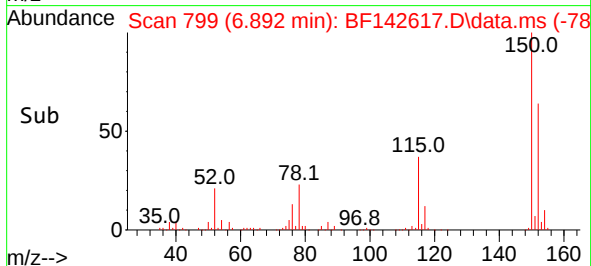


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142617.D
Acq: 04 Jun 2025 20:17

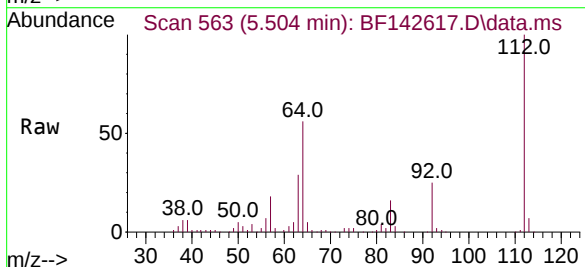
Instrument :
BNA_F
ClientSampleId :



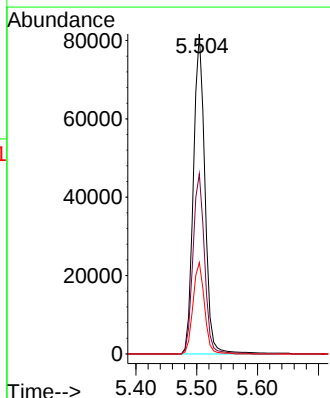
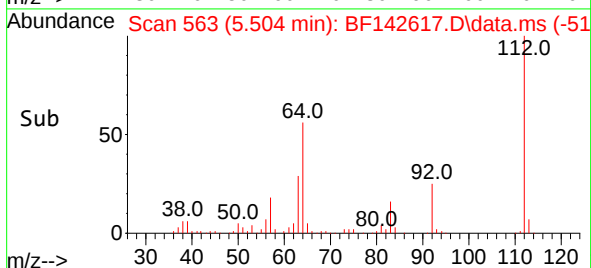
Tgt Ion:152 Resp: 133037
Ion Ratio Lower Upper
152 100
150 155.1 128.2 192.4
115 56.8 48.3 72.5

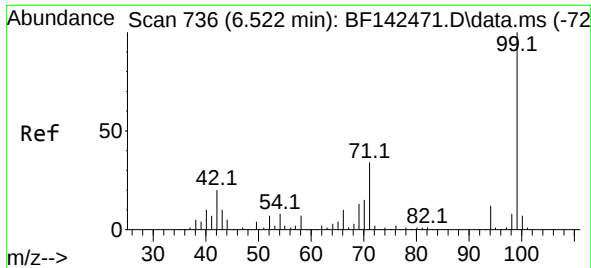


#5
2-Fluorophenol
Concen: 13.637 ng
RT: 5.504 min Scan# 563
Delta R.T. -0.012 min
Lab File: BF142617.D
Acq: 04 Jun 2025 20:17



Tgt Ion:112 Resp: 107681
Ion Ratio Lower Upper
112 100
64 56.3 47.5 71.3
63 28.5 24.9 37.3





#7

Phenol-d6

Concen: 13.495 ng

RT: 6.516 min Scan# 736

Delta R.T. -0.018 min

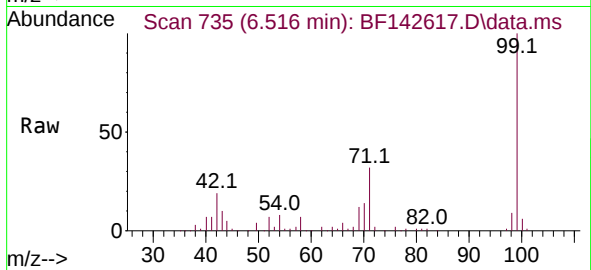
Lab File: BF142617.D

Acq: 04 Jun 2025 20:17

Instrument :

BNA_F

ClientSampleId :



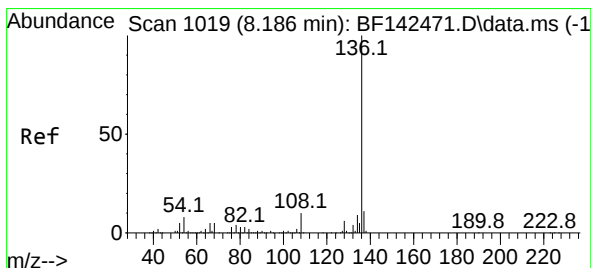
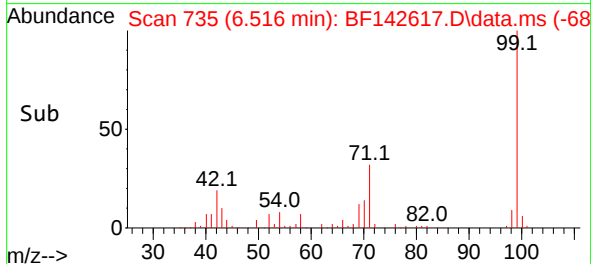
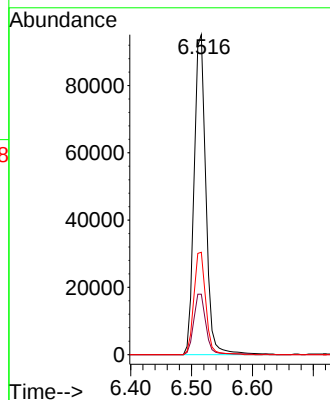
Tgt Ion: 99 Resp: 128273

Ion Ratio Lower Upper

99 100

42 18.9 16.2 24.2

71 32.0 27.3 40.9



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.181 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF142617.D

Acq: 04 Jun 2025 20:17

Tgt Ion: 136 Resp: 483587

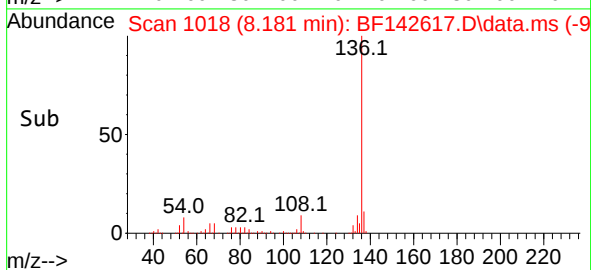
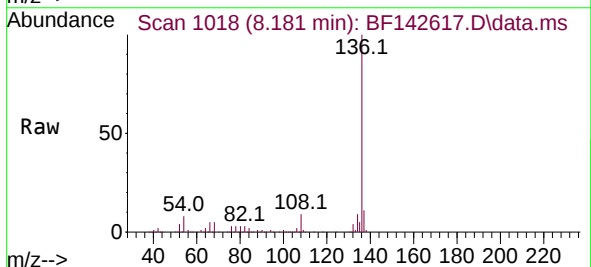
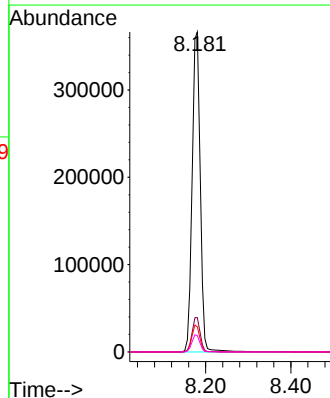
Ion Ratio Lower Upper

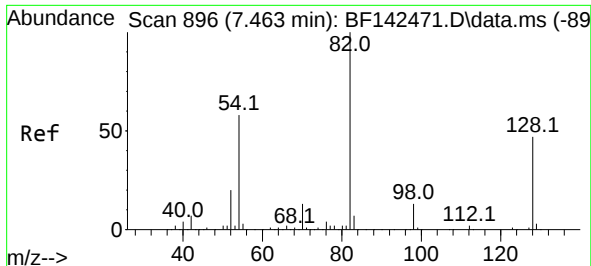
136 100

137 10.7 8.6 13.0

54 7.9 6.6 10.0

68 5.1 4.1 6.1





#23

Nitrobenzene-d5

Concen: 8.558 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.023 min

Lab File: BF142617.D

Acq: 04 Jun 2025 20:17

Instrument :

BNA_F

ClientSampleId :

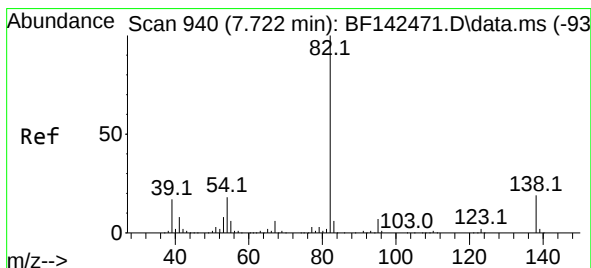
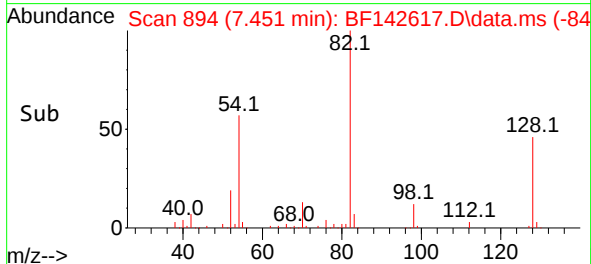
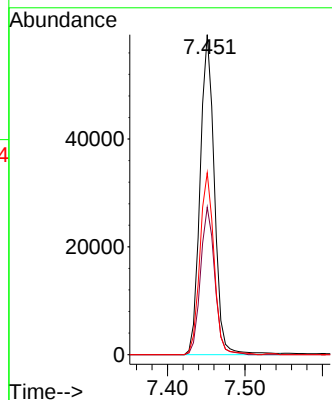
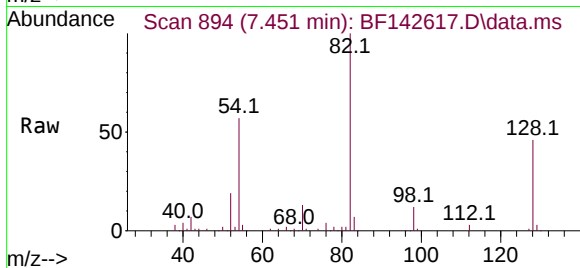
Tgt Ion: 82 Resp: 75900

Ion Ratio Lower Upper

82 100

128 46.1 37.4 56.2

54 56.8 46.6 70.0



#25

Isophorone

Concen: 4.358 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.282 min

Lab File: BF142617.D

Acq: 04 Jun 2025 20:17

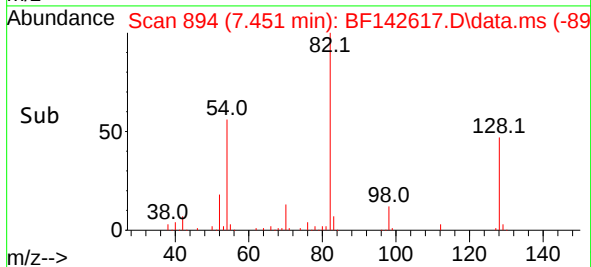
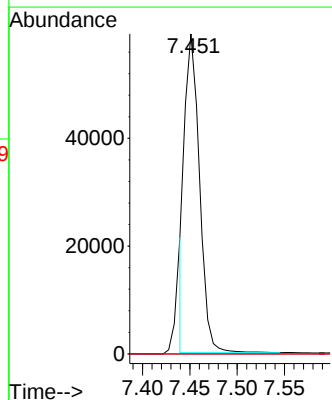
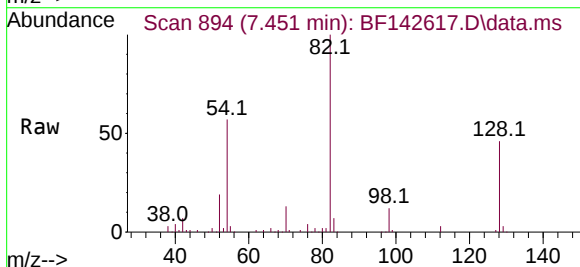
Tgt Ion: 82 Resp: 64611

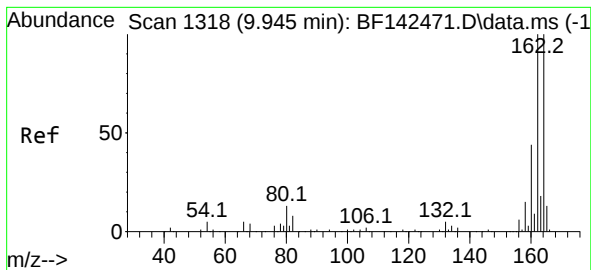
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 15.5 23.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1318

Delta R.T. -0.012 min

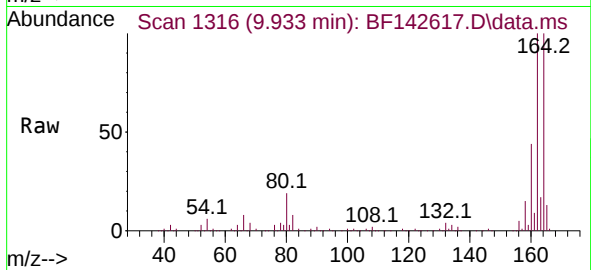
Lab File: BF142617.D

Acq: 04 Jun 2025 20:17

Instrument :

BNA_F

ClientSampleId :



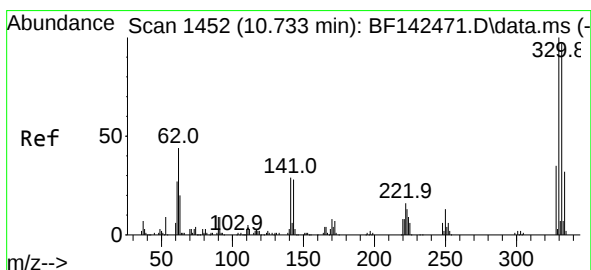
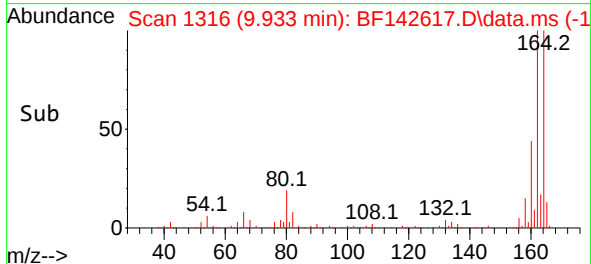
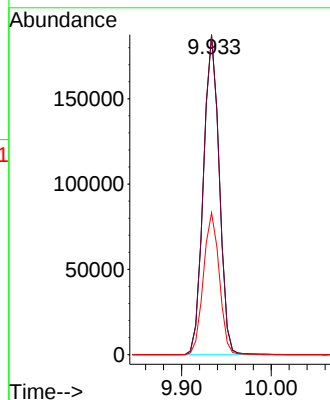
Tgt Ion:164 Resp: 229798

Ion Ratio Lower Upper

164 100

162 99.8 80.2 120.4

160 44.3 35.6 53.4



#42

2,4,6-Tribromophenol

Concen: 9.741 ng

RT: 10.722 min Scan# 1450

Delta R.T. -0.018 min

Lab File: BF142617.D

Acq: 04 Jun 2025 20:17

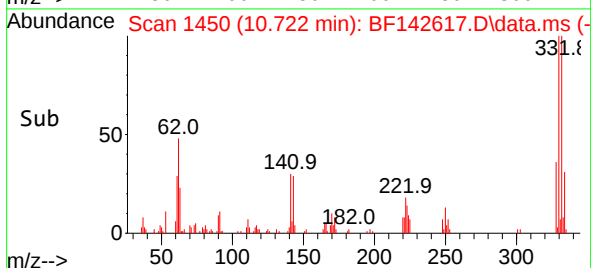
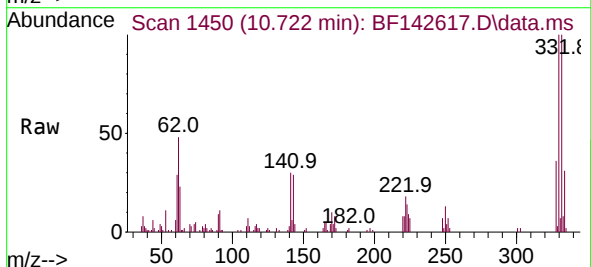
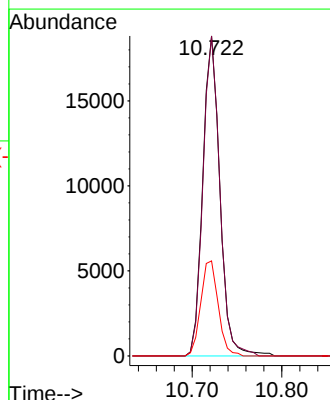
Tgt Ion:330 Resp: 24843

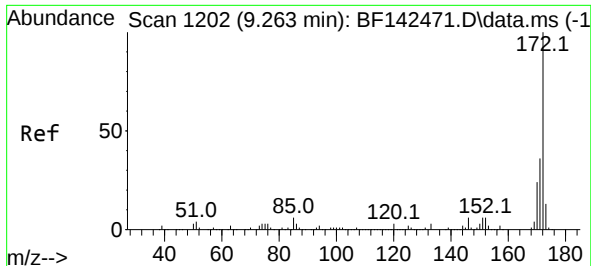
Ion Ratio Lower Upper

330 100

332 98.6 77.6 116.4

141 30.3 24.6 36.8





#45

2-Fluorobiphenyl

Concen: 9.946 ng

RT: 9.251 min Scan# 11

Delta R.T. -0.018 min

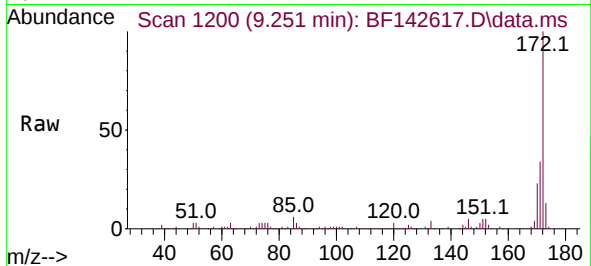
Lab File: BF142617.D

Acq: 04 Jun 2025 20:17

Instrument :

BNA_F

ClientSampleId :



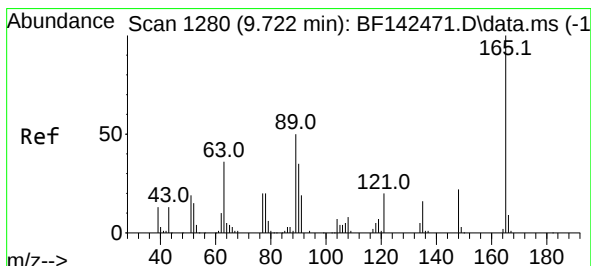
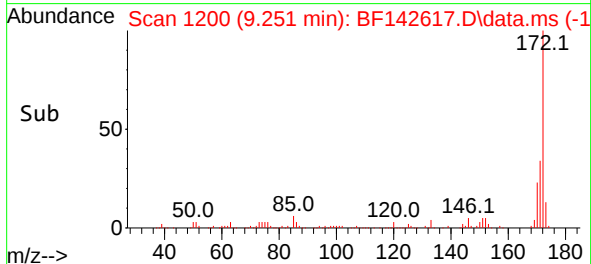
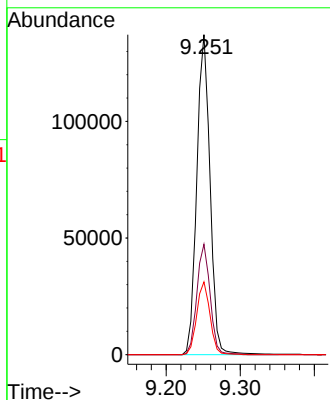
Tgt Ion:172 Resp: 170332

Ion Ratio Lower Upper

172 100

171 34.5 28.6 42.8

170 22.7 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 8.952 ng

RT: 9.933 min Scan# 1316

Delta R.T. 0.206 min

Lab File: BF142617.D

Acq: 04 Jun 2025 20:17

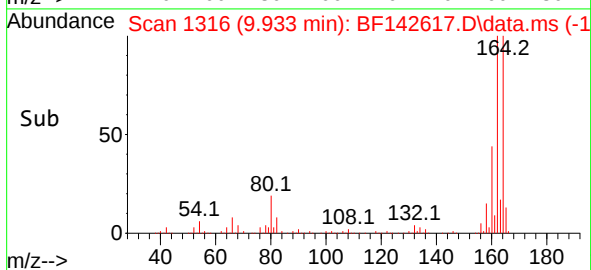
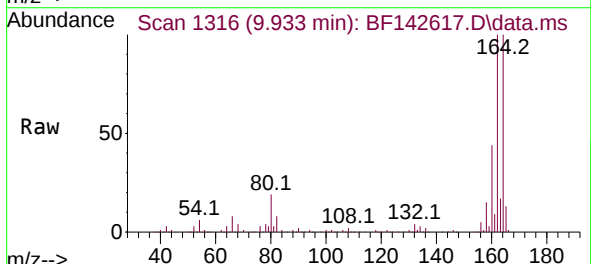
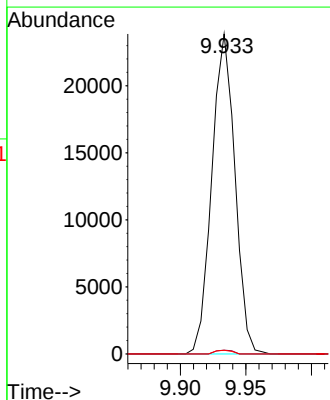
Tgt Ion:165 Resp: 29296

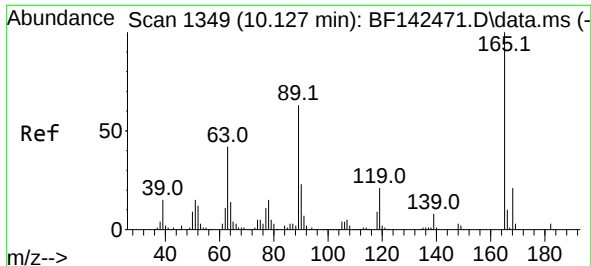
Ion Ratio Lower Upper

165 100

63 1.2 42.9 64.3#

89 1.1 40.2 60.4#



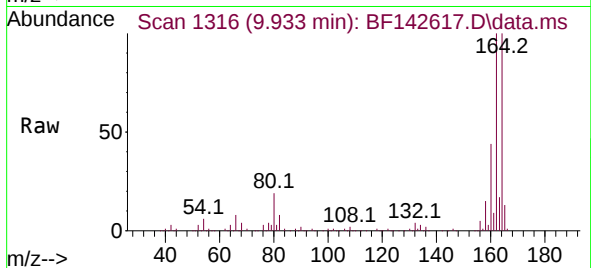


#57
2,4-Dinitrotoluene
Concen: 6.855 ng
RT: 9.933 min Scan# 1349
Delta R.T. -0.200 min
Lab File: BF142617.D
Acq: 04 Jun 2025 20:17

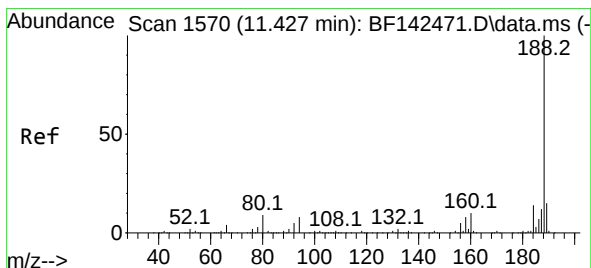
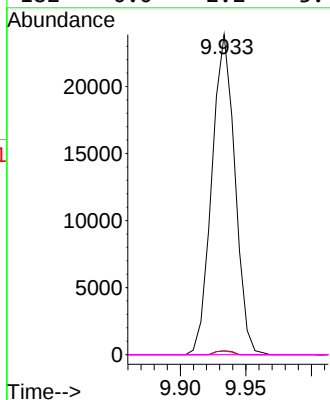
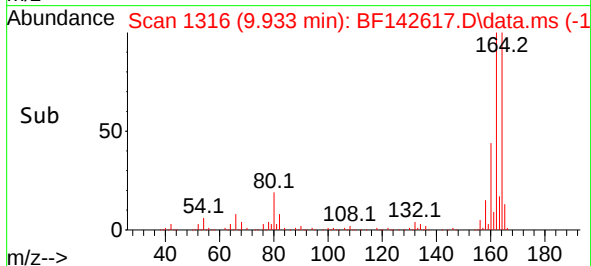
Instrument :

BNA_F

ClientSampleId :

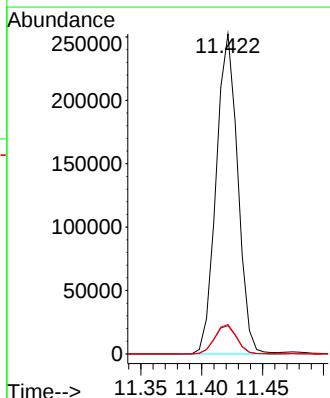
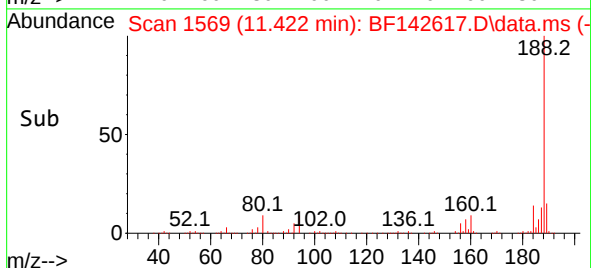
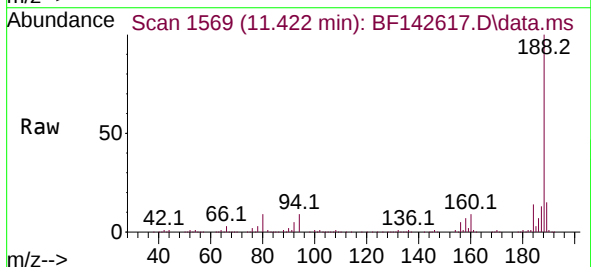


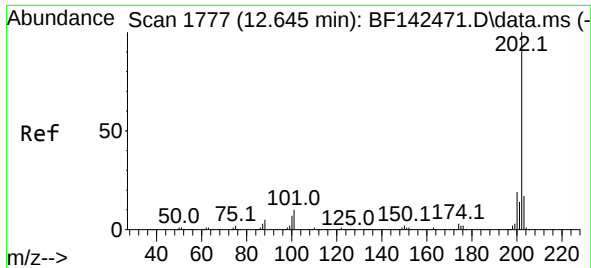
Tgt Ion:165	Resp:	29296
Ion Ratio	Lower	Upper
165	100	
63	1.2	33.6 50.4#
89	1.1	50.2 75.4#
182	0.0	2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142617.D
Acq: 04 Jun 2025 20:17

Tgt Ion:188	Resp:	311847
Ion Ratio	Lower	Upper
188	100	
94	8.8	6.6 10.0
80	9.2	7.4 11.0

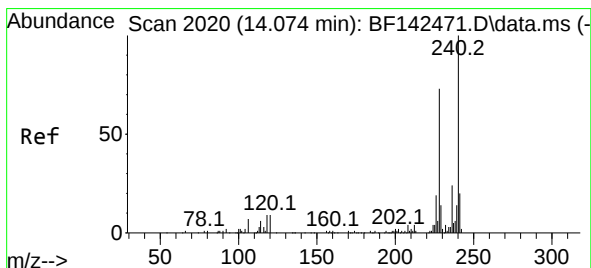
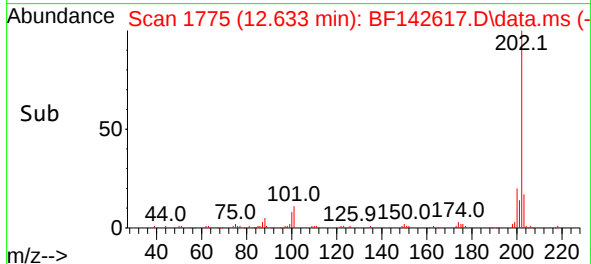
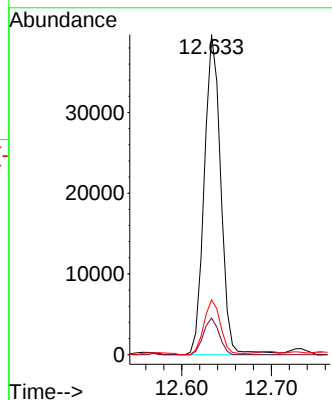
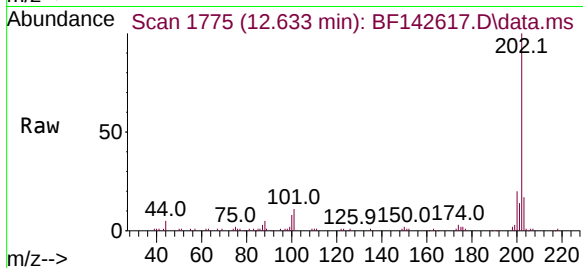




#75
Fluoranthene
Concen: 3.254 ng
RT: 12.633 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142617.D
Acq: 04 Jun 2025 20:17

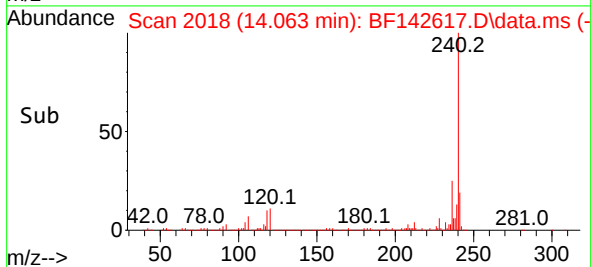
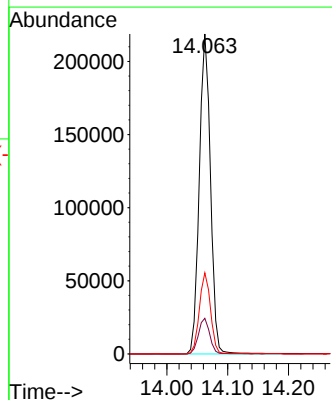
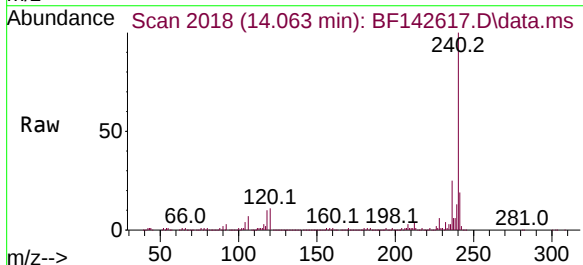
Instrument :
BNA_F
ClientSampleId :

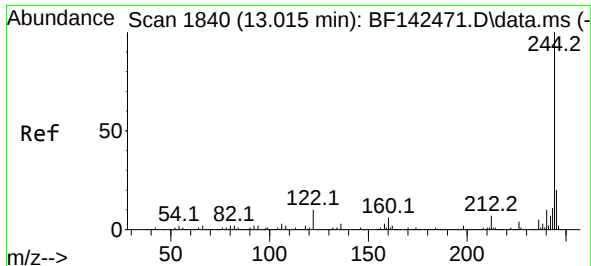
Tgt Ion:202 Resp: 50669
Ion Ratio Lower Upper
202 100
101 11.4 0.0 29.6
203 17.1 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142617.D
Acq: 04 Jun 2025 20:17

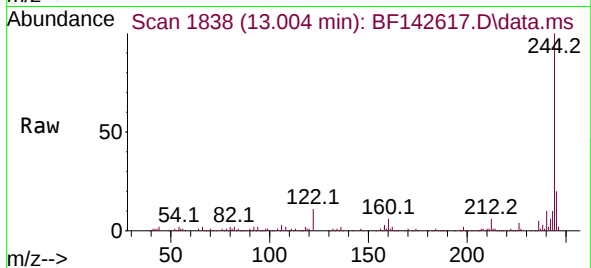
Tgt Ion:240 Resp: 278838
Ion Ratio Lower Upper
240 100
120 11.1 7.5 11.3
236 25.3 19.6 29.4



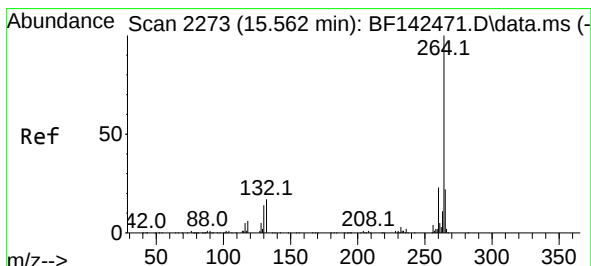
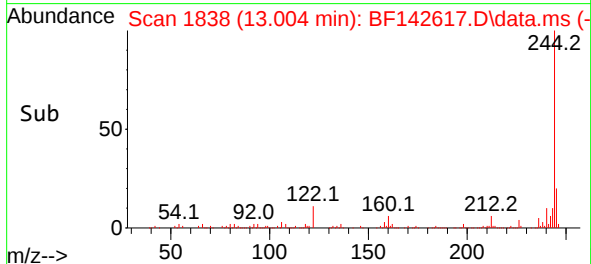
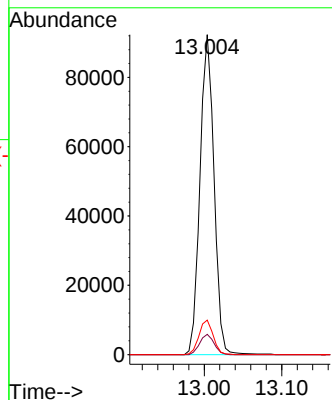


#79
 Terphenyl-d14
 Concen: 5.694 ng
 RT: 13.004 min Scan# 1840
 Delta R.T. -0.012 min
 Lab File: BF142617.D
 Acq: 04 Jun 2025 20:17

Instrument :
 BNA_F
 ClientSampleId :

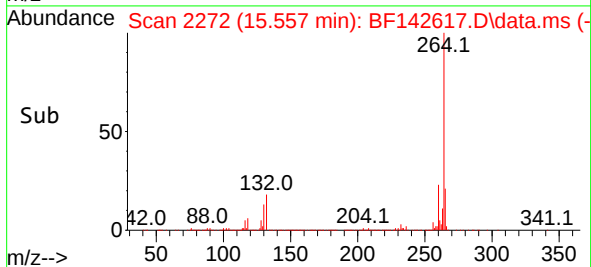
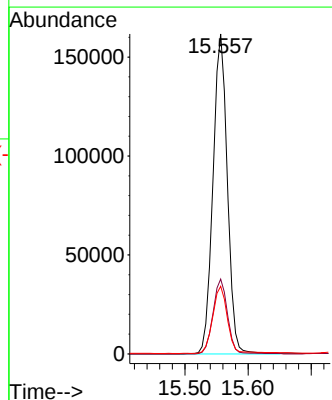
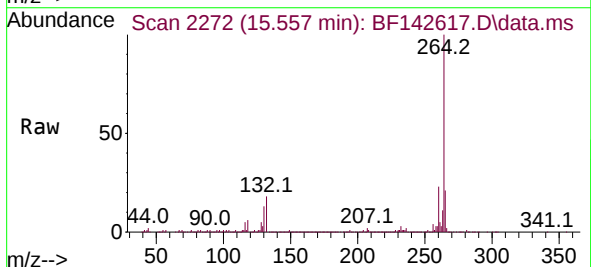


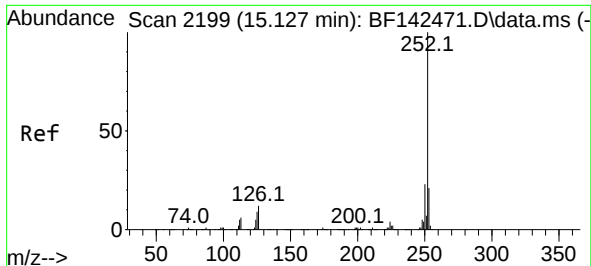
Tgt Ion:244 Resp: 116190
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.3 7.9
 122 10.8 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 2272
 Delta R.T. -0.012 min
 Lab File: BF142617.D
 Acq: 04 Jun 2025 20:17

Tgt Ion:264 Resp: 256344
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.6 28.0
 265 21.1 17.7 26.5





#88

Benzo(b)fluoranthene

Concen: 3.967 ng

RT: 15.115 min Scan# 2197

Delta R.T. -0.012 min

Lab File: BF142617.D

Acq: 04 Jun 2025 20:17

Instrument :

BNA_F

ClientSampleId :

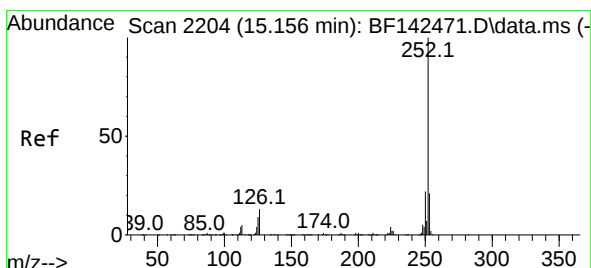
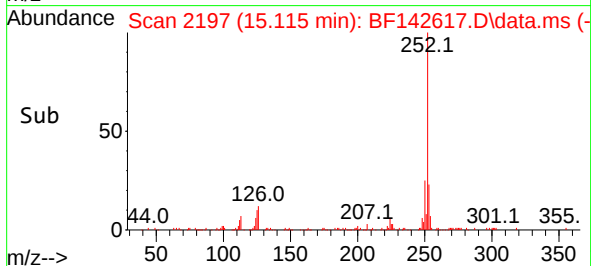
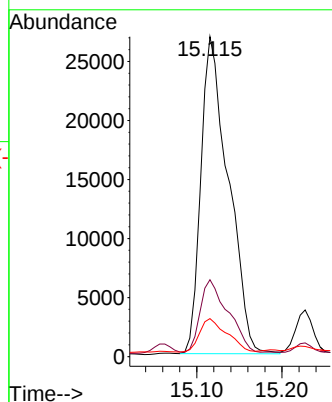
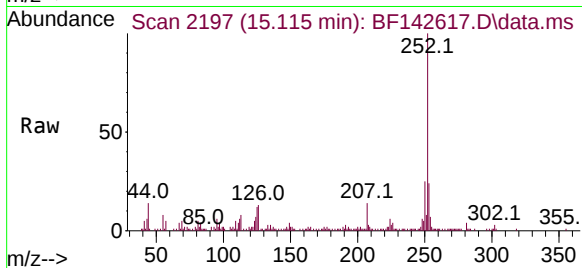
Tgt Ion:252 Resp: 60187

Ion Ratio Lower Upper

252 100

253 24.0 17.0 25.4

125 11.9 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 4.236 ng

RT: 15.115 min Scan# 2197

Delta R.T. -0.047 min

Lab File: BF142617.D

Acq: 04 Jun 2025 20:17

Tgt Ion:252 Resp: 60187

Ion Ratio Lower Upper

252 100

253 24.0 17.0 25.4

125 11.9 7.3 10.9#

