

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
 Data File : BF143022.D
 Acq On : 07 Jul 2025 21:52
 Operator : RC/JU
 Sample : Q2473-02 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PIT#2

Quant Time: Jul 08 01:00:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

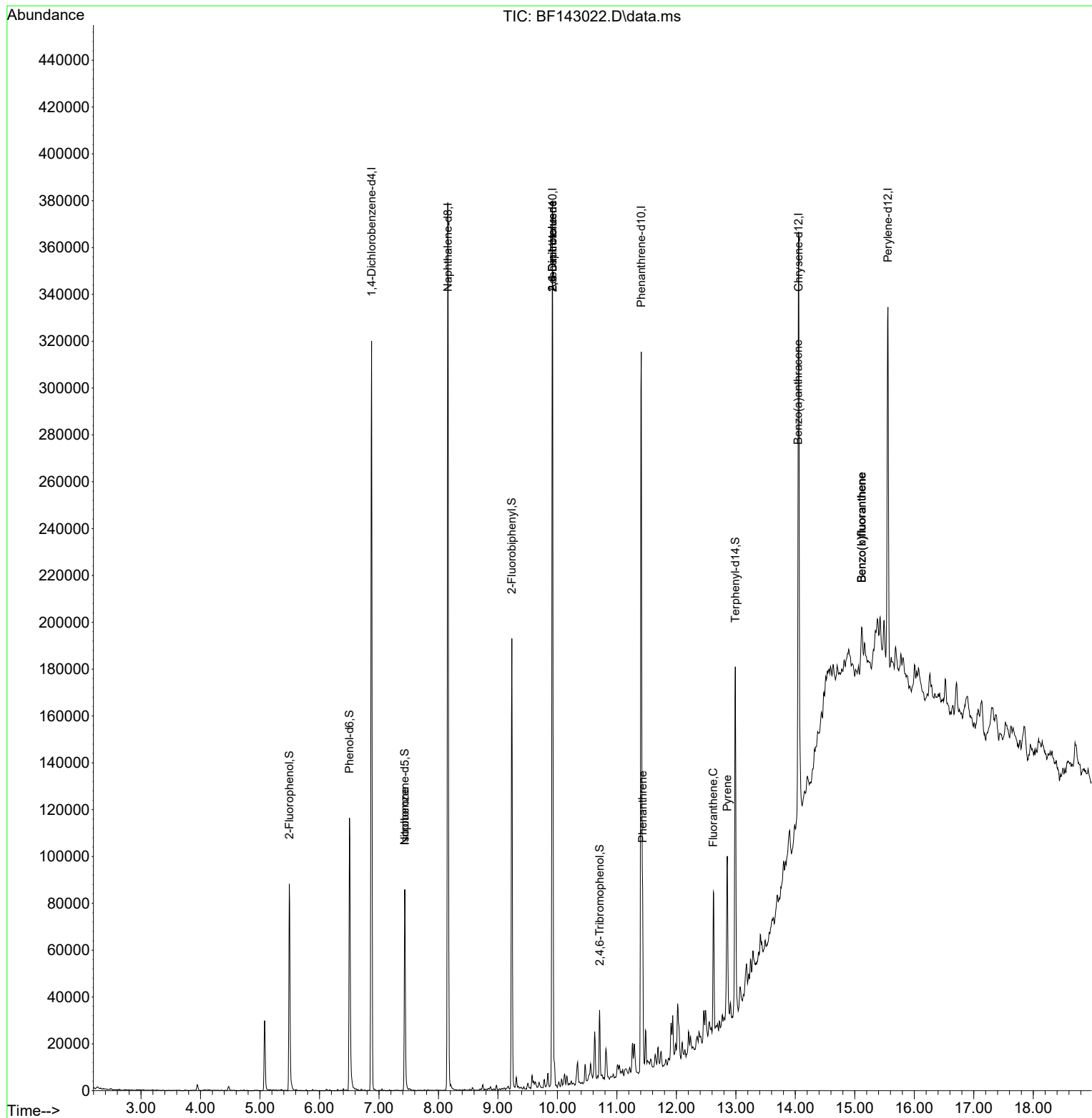
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	71088	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	253688	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	114128	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	161870	20.000	ng	0.00
76) Chrysene-d12	14.057	240	118431	20.000	ng	0.00
86) Perylene-d12	15.557	264	87043	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	37996	8.899	ng	0.00
7) Phenol-d6	6.504	99	60684	12.047	ng	0.00
23) Nitrobenzene-d5	7.434	82	37650	8.140	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	5559	4.733	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	86983	10.012	ng	-0.01
79) Terphenyl-d14	12.992	244	68024	7.936	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.434	82	37649	5.074	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	15062	9.284	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	15062	6.989	ng	# 26
71) Phenanthrene	11.433	178	41286	4.708	ng	99
75) Fluoranthene	12.622	202	34979	4.203	ng	99
78) Pyrene	12.857	202	40303	3.631	ng	96
81) Benzo(a)anthracene	14.045	228	16596	2.077	ng	# 92
88) Benzo(b)fluoranthene	15.116	252	13293	2.639	ng	# 67
89) Benzo(k)fluoranthene	15.116	252	13293	2.821	ng	# 66

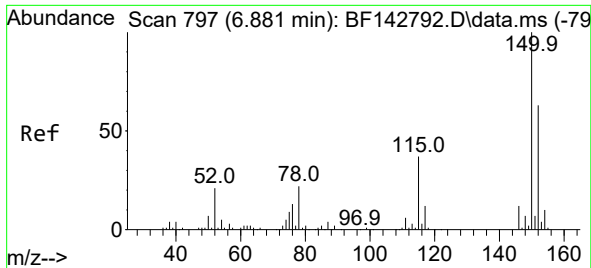
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143022.D
Acq On : 07 Jul 2025 21:52
Operator : RC/JU
Sample : Q2473-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PIT#2

Quant Time: Jul 08 01:00:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

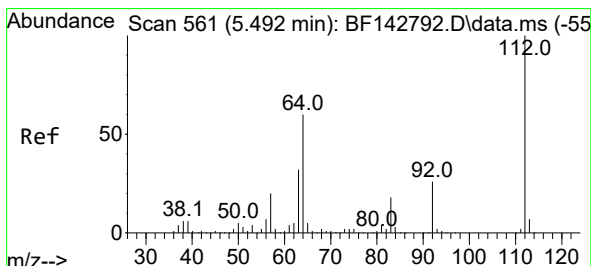
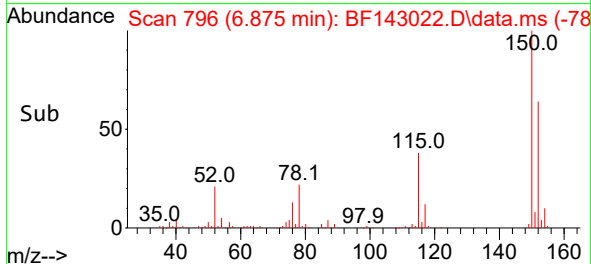
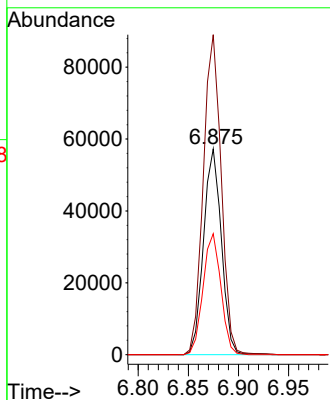
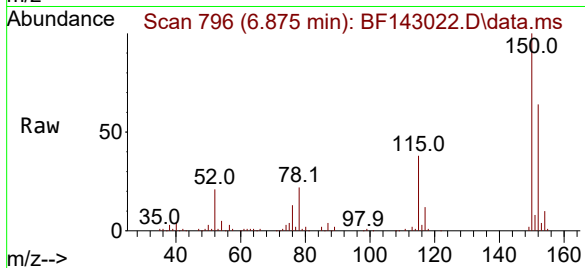




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF143022.D
Acq: 07 Jul 2025 21:52

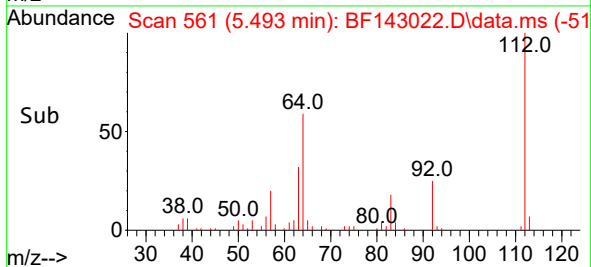
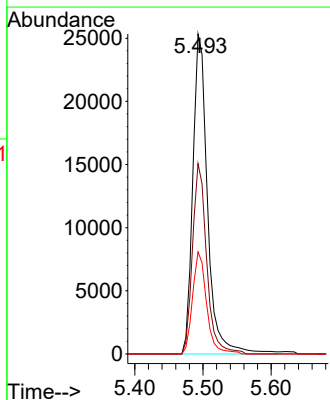
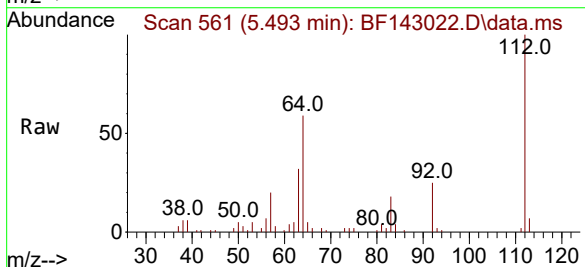
Instrument :
BNA_F
ClientSampleId :
PIT#2

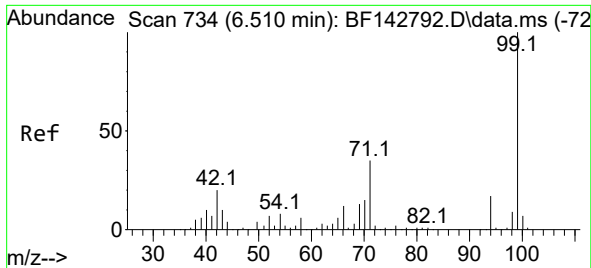
Tgt Ion:152 Resp: 71088
Ion Ratio Lower Upper
152 100
150 155.5 127.2 190.8
115 58.8 46.6 69.8



#5
2-Fluorophenol
Concen: 8.899 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF143022.D
Acq: 07 Jul 2025 21:52

Tgt Ion:112 Resp: 37996
Ion Ratio Lower Upper
112 100
64 59.5 48.2 72.2
63 31.9 25.7 38.5

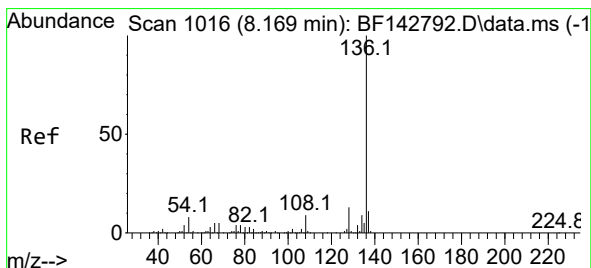
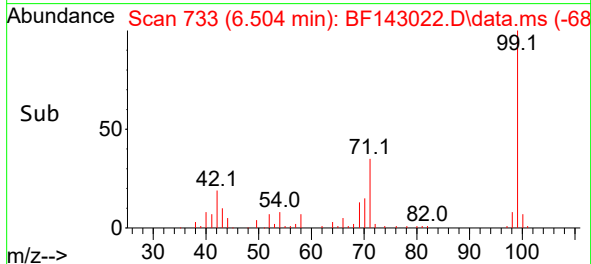
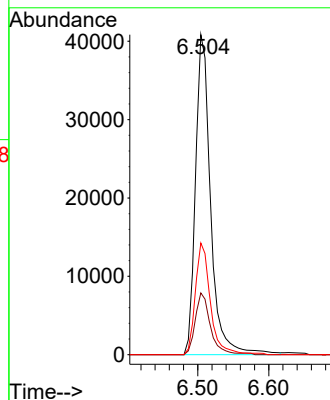
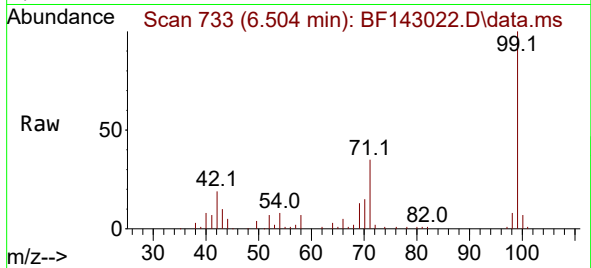




#7
Phenol-d6
Concen: 12.047 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143022.D
Acq: 07 Jul 2025 21:52

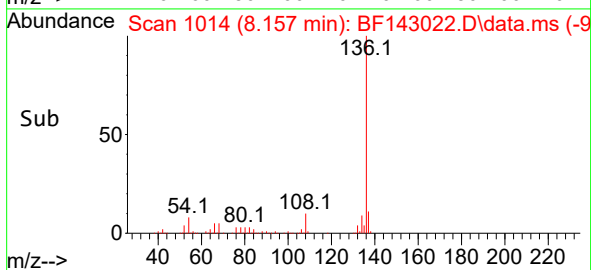
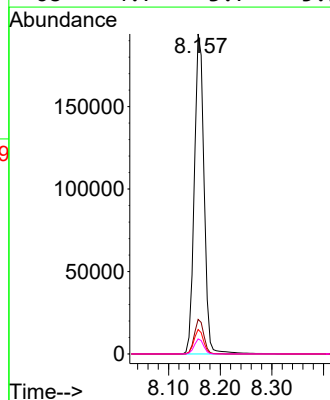
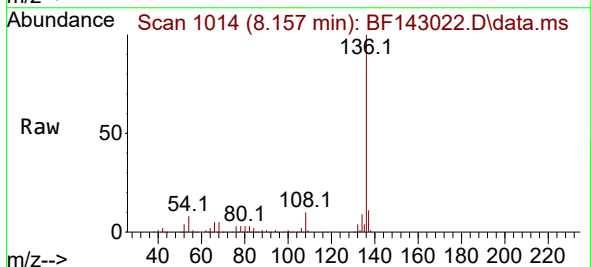
Instrument :
BNA_F
ClientSampleId :
PIT#2

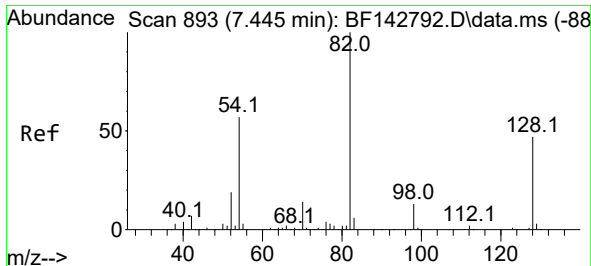
Tgt Ion: 99 Resp: 60684
Ion Ratio Lower Upper
99 100
42 19.3 15.9 23.9
71 34.9 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143022.D
Acq: 07 Jul 2025 21:52

Tgt Ion: 136 Resp: 253688
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.7 6.3 9.5
68 4.7 3.7 5.5





#23

Nitrobenzene-d5

Concen: 8.140 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.011 min

Lab File: BF143022.D

Acq: 07 Jul 2025 21:52

Instrument :

BNA_F

ClientSampleId :

PIT#2

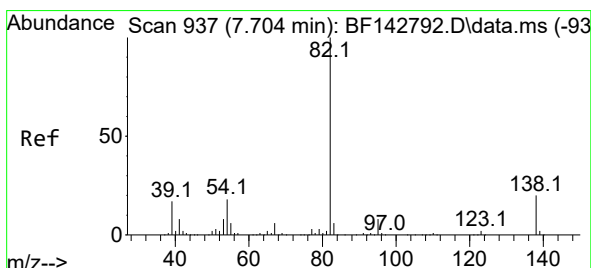
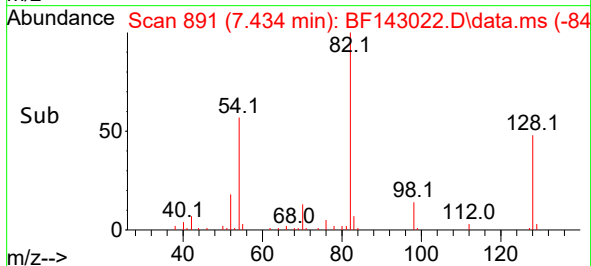
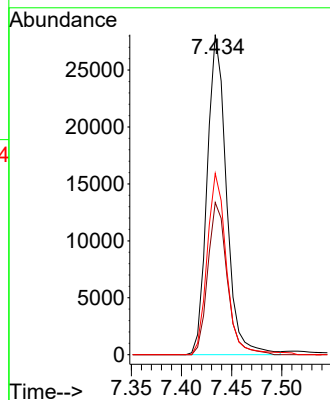
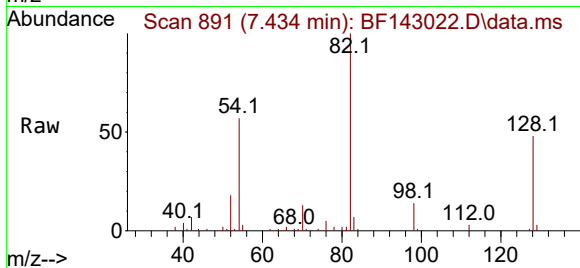
Tgt Ion: 82 Resp: 37650

Ion Ratio Lower Upper

82 100

128 47.5 37.7 56.5

54 56.6 45.7 68.5



#25

Isophorone

Concen: 5.074 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.270 min

Lab File: BF143022.D

Acq: 07 Jul 2025 21:52

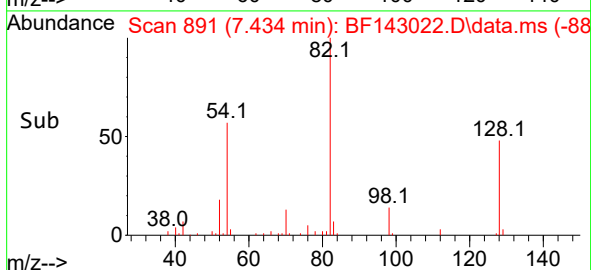
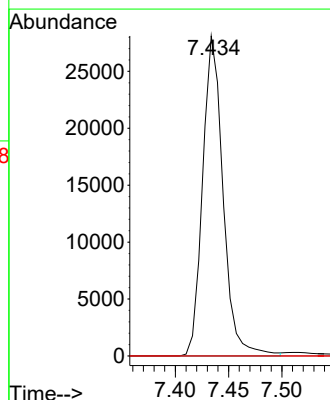
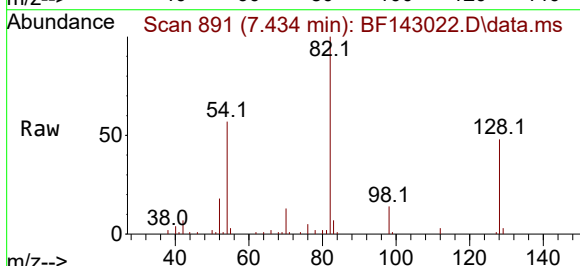
Tgt Ion: 82 Resp: 37649

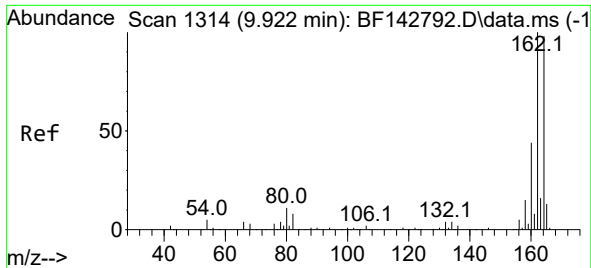
Ion Ratio Lower Upper

82 100

95 0.0 6.2 9.2#

138 0.0 16.2 24.4#

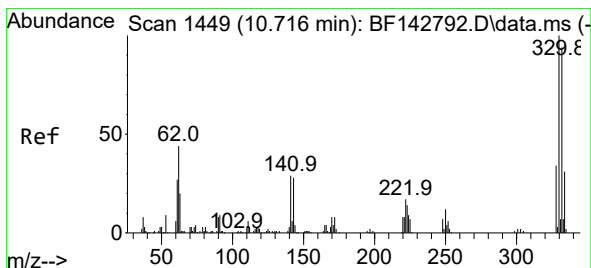
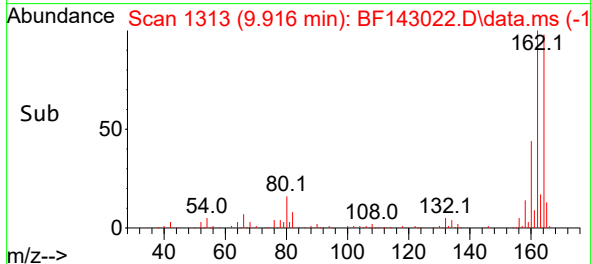
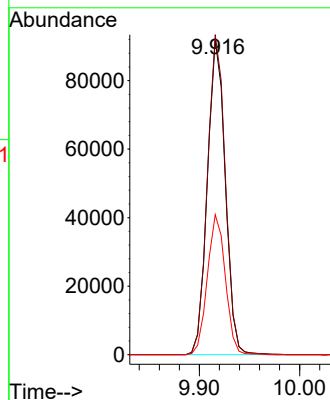
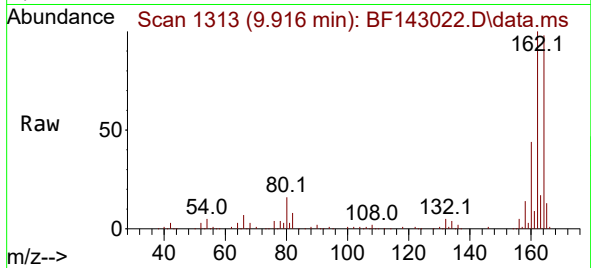




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143022.D
Acq: 07 Jul 2025 21:52

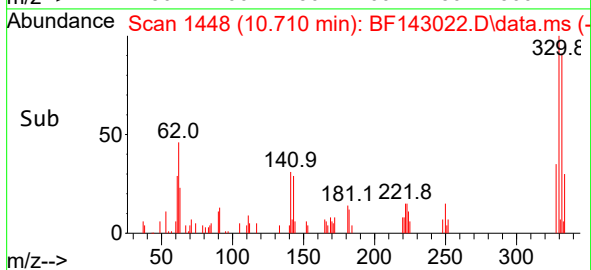
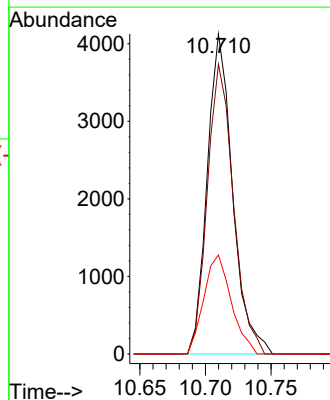
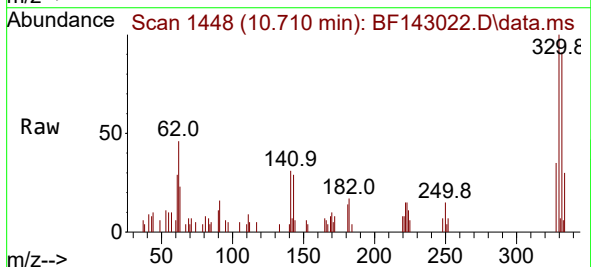
Instrument :
BNA_F
ClientSampleId :
PIT#2

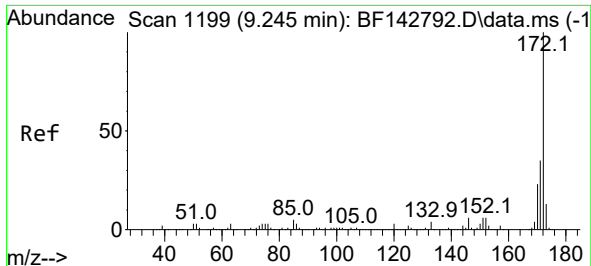
Tgt Ion:164 Resp: 114128
Ion Ratio Lower Upper
164 100
162 101.7 81.8 122.8
160 44.5 36.0 54.0



#42
2,4,6-Tribromophenol
Concen: 4.733 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143022.D
Acq: 07 Jul 2025 21:52

Tgt Ion:330 Resp: 5559
Ion Ratio Lower Upper
330 100
332 92.7 75.0 112.6
141 33.4 25.3 37.9





#45

2-Fluorobiphenyl

Concen: 10.012 ng

RT: 9.234 min Scan# 1199

Delta R.T. -0.011 min

Lab File: BF143022.D

Acq: 07 Jul 2025 21:52

Instrument :

BNA_F

ClientSampleId :

PIT#2

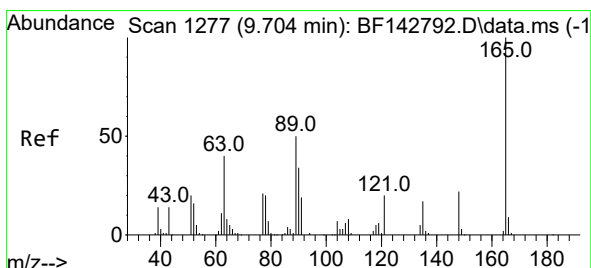
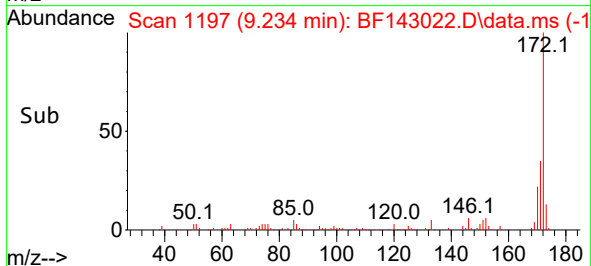
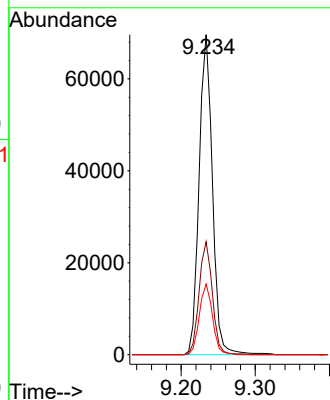
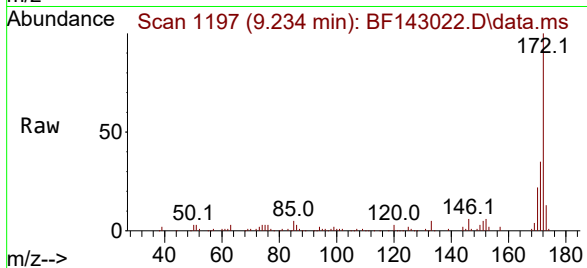
Tgt Ion:172 Resp: 86983

Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

170 22.1 18.5 27.7



#51

2,6-Dinitrotoluene

Concen: 9.284 ng

RT: 9.916 min Scan# 1313

Delta R.T. 0.212 min

Lab File: BF143022.D

Acq: 07 Jul 2025 21:52

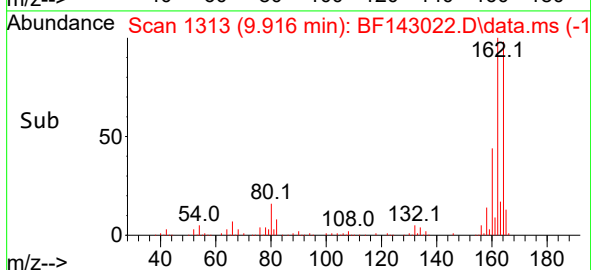
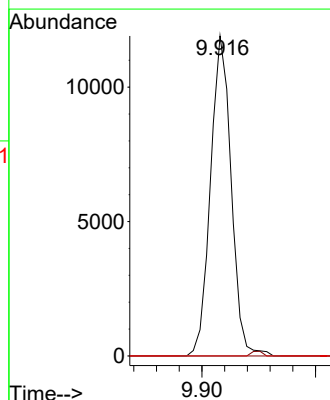
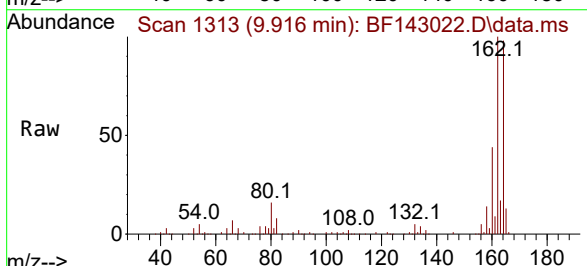
Tgt Ion:165 Resp: 15062

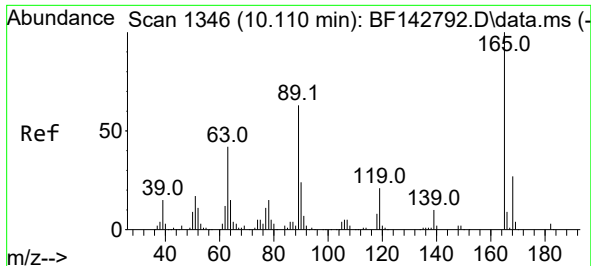
Ion Ratio Lower Upper

165 100

63 0.0 44.2 66.4#

89 0.0 39.8 59.8#

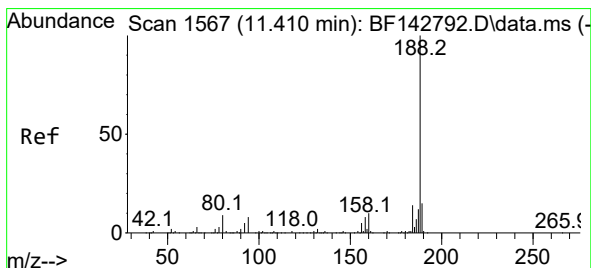
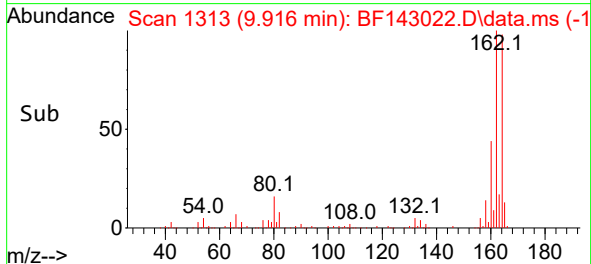
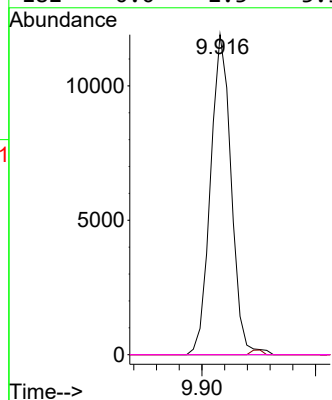
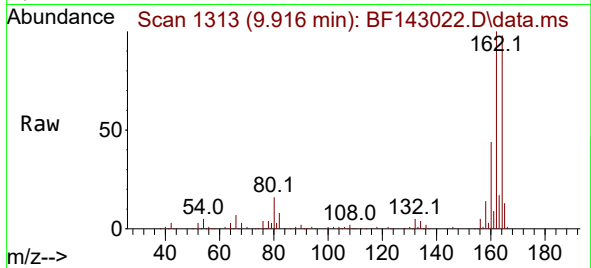




#57
2,4-Dinitrotoluene
Concen: 6.989 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF143022.D
Acq: 07 Jul 2025 21:52

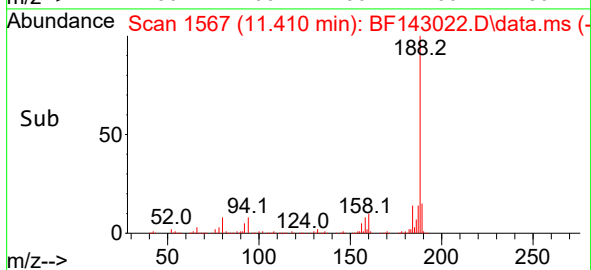
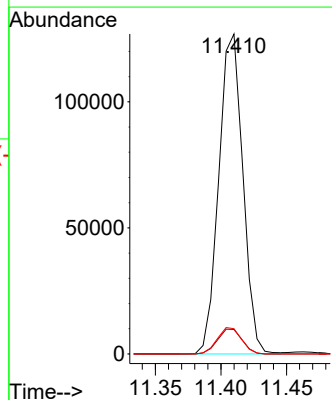
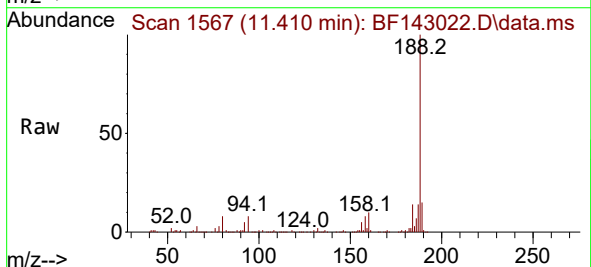
Instrument :
BNA_F
ClientSampleId :
PIT#2

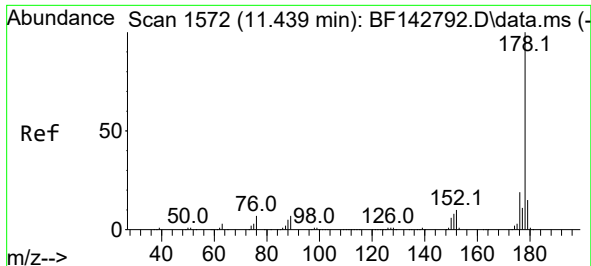
Tgt Ion:165 Resp: 15062
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF143022.D
Acq: 07 Jul 2025 21:52

Tgt Ion:188 Resp: 161870
Ion Ratio Lower Upper
188 100
94 7.6 6.7 10.1
80 7.9 6.9 10.3

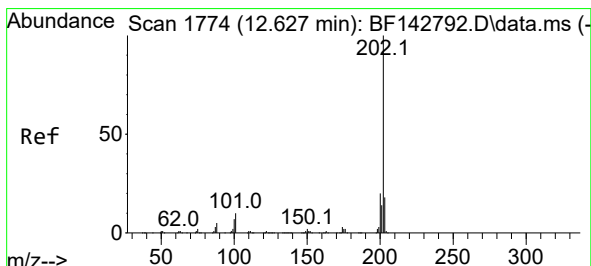
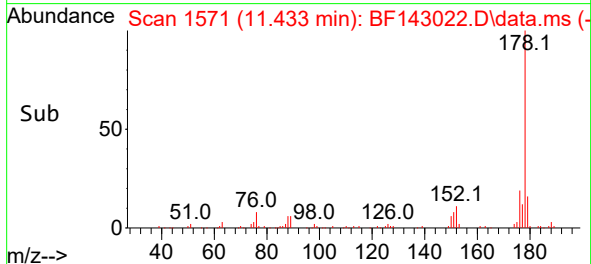
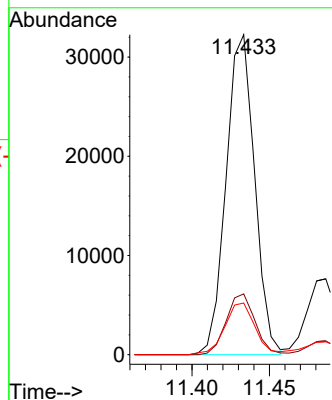
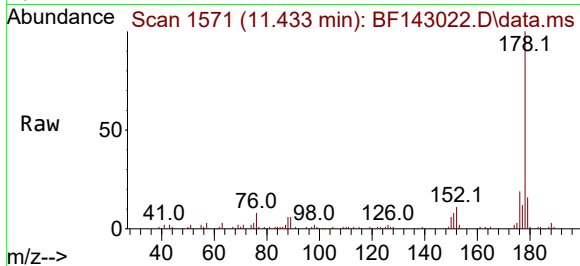




#71
Phenanthrene
Concen: 4.708 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143022.D
Acq: 07 Jul 2025 21:52

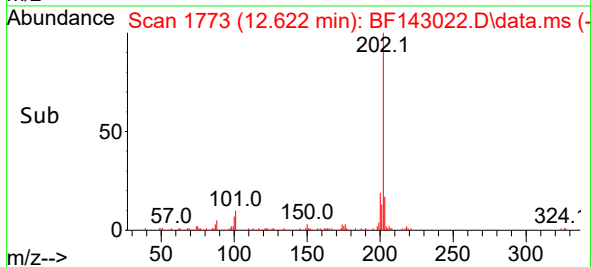
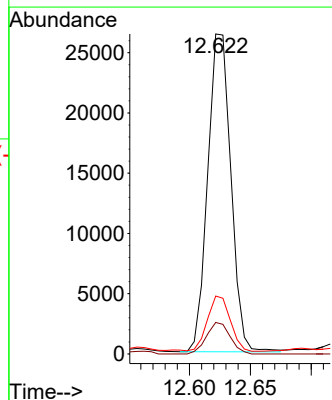
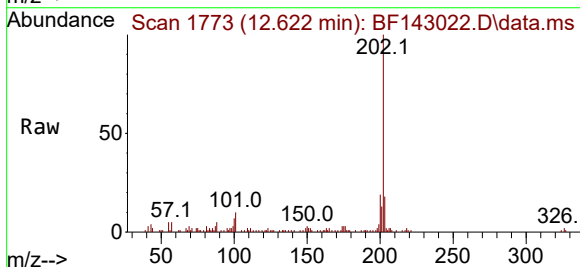
Instrument :
BNA_F
ClientSampleId :
PIT#2

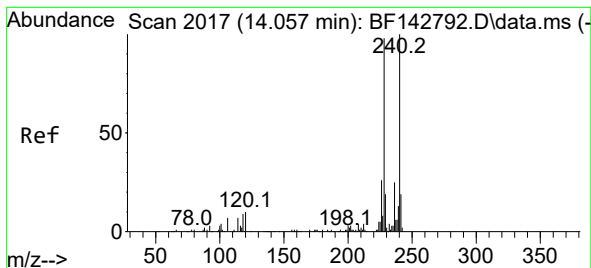
Tgt Ion:178 Resp: 41286
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 16.2 12.0 18.0



#75
Fluoranthene
Concen: 4.203 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF143022.D
Acq: 07 Jul 2025 21:52

Tgt Ion:202 Resp: 34979
Ion Ratio Lower Upper
202 100
101 9.9 0.0 29.7
203 18.1 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2017

Delta R.T. 0.000 min

Lab File: BF143022.D

Acq: 07 Jul 2025 21:52

Instrument :

BNA_F

ClientSampleId :

PIT#2

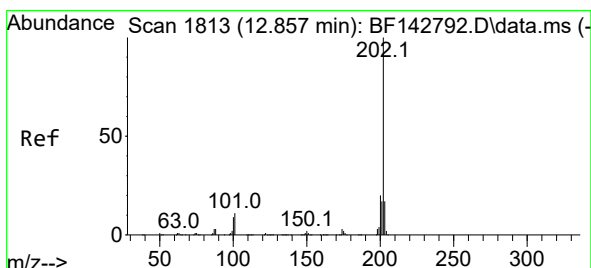
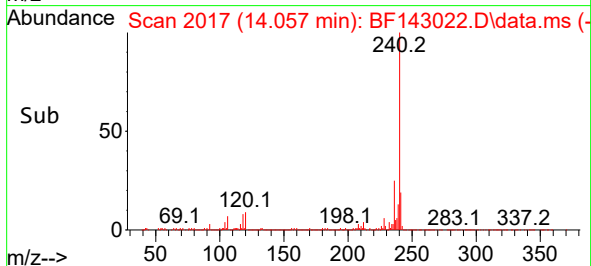
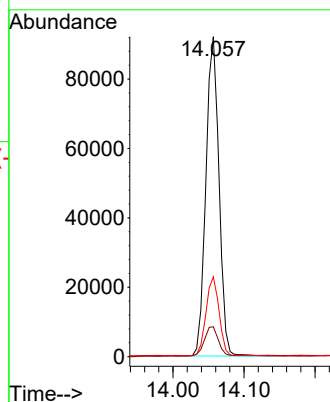
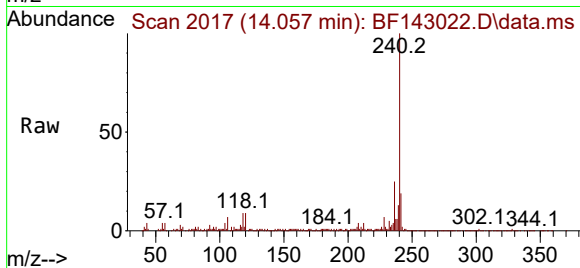
Tgt Ion:240 Resp: 118431

Ion Ratio Lower Upper

240 100

120 9.4 8.2 12.2

236 25.0 19.8 29.8



#78

Pyrene

Concen: 3.631 ng

RT: 12.857 min Scan# 1813

Delta R.T. 0.000 min

Lab File: BF143022.D

Acq: 07 Jul 2025 21:52

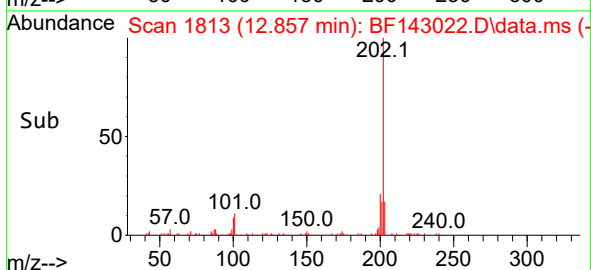
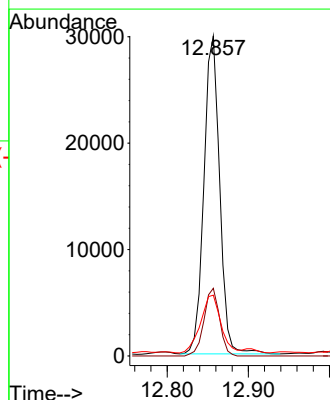
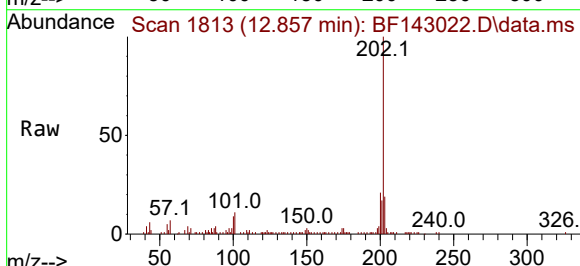
Tgt Ion:202 Resp: 40303

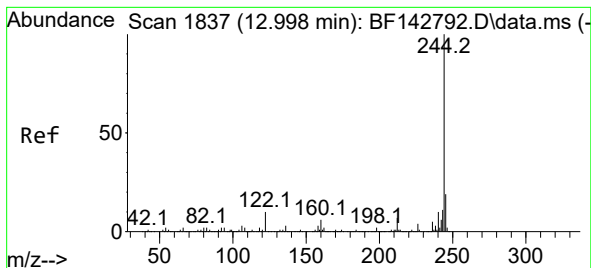
Ion Ratio Lower Upper

202 100

200 21.2 15.7 23.5

203 19.0 13.8 20.6





#79

Terphenyl-d14

Concen: 7.936 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF143022.D

Acq: 07 Jul 2025 21:52

Instrument :

BNA_F

ClientSampleId :

PIT#2

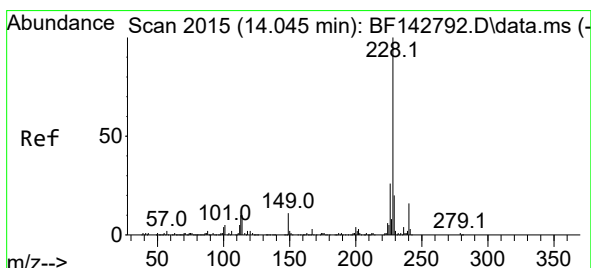
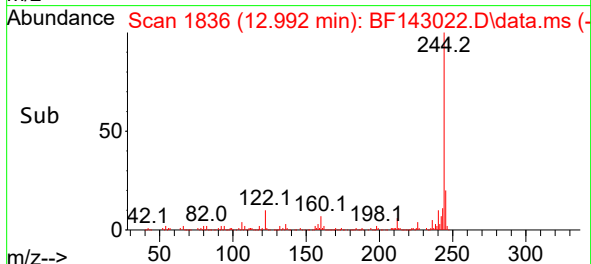
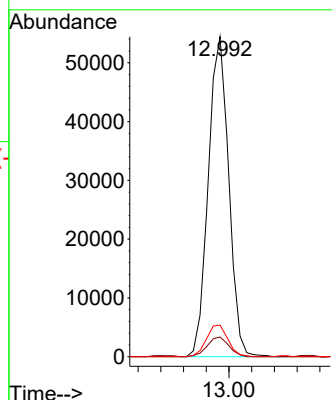
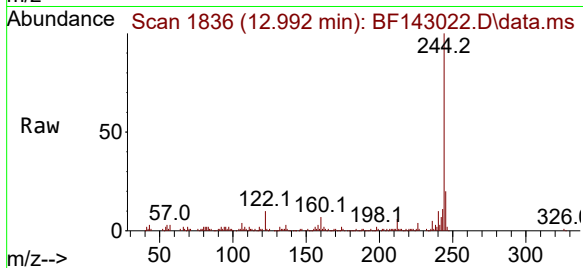
Tgt Ion:244 Resp: 68024

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

122 9.9 8.2 12.2



#81

Benzo(a)anthracene

Concen: 2.077 ng

RT: 14.045 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF143022.D

Acq: 07 Jul 2025 21:52

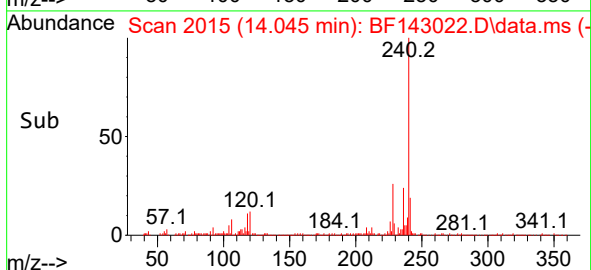
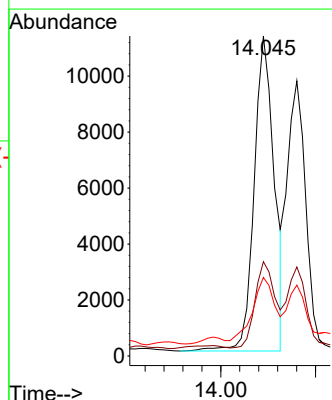
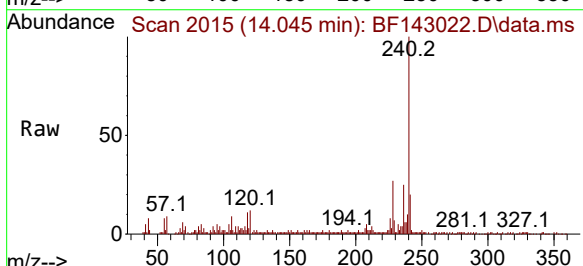
Tgt Ion:228 Resp: 16596

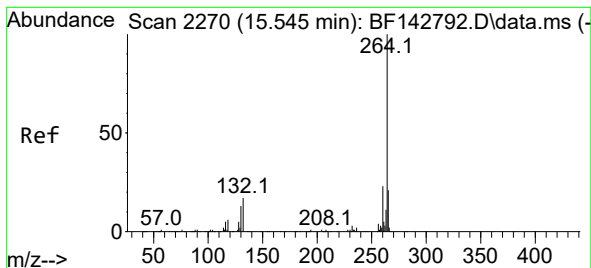
Ion Ratio Lower Upper

228 100

226 29.5 21.2 31.8

229 24.5 15.6 23.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143022.D

Acq: 07 Jul 2025 21:52

Instrument :

BNA_F

ClientSampleId :

PIT#2

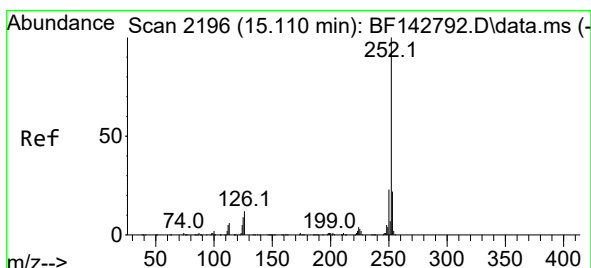
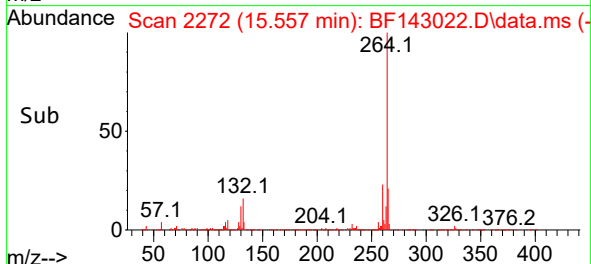
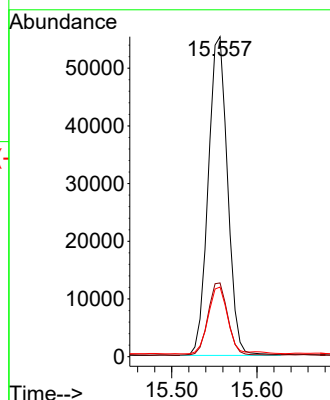
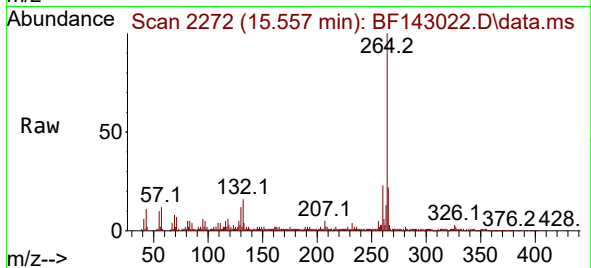
Tgt Ion:264 Resp: 87043

Ion Ratio Lower Upper

264 100

260 23.0 18.1 27.1

265 21.7 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 2.639 ng

RT: 15.116 min Scan# 2197

Delta R.T. 0.006 min

Lab File: BF143022.D

Acq: 07 Jul 2025 21:52

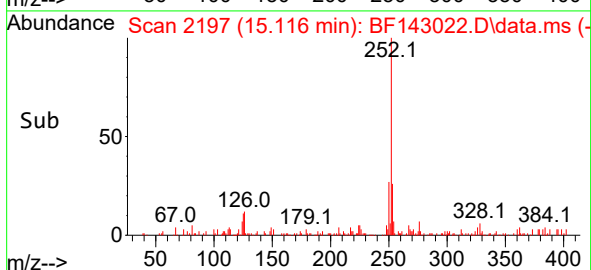
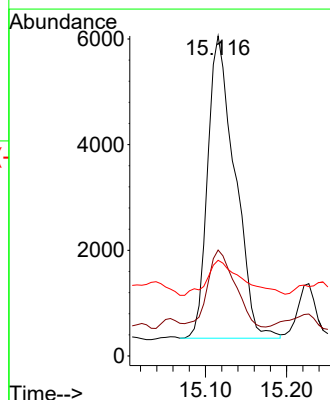
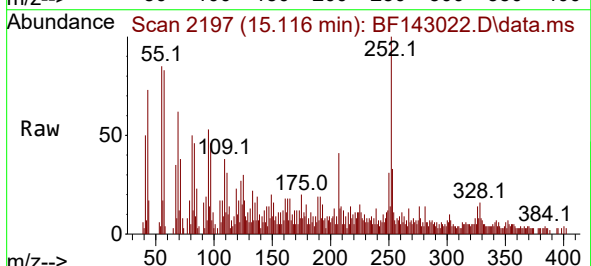
Tgt Ion:252 Resp: 13293

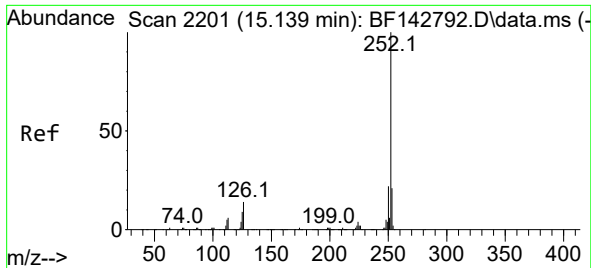
Ion Ratio Lower Upper

252 100

253 33.1 17.5 26.3#

125 29.9 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 2.821 ng

RT: 15.116 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF143022.D

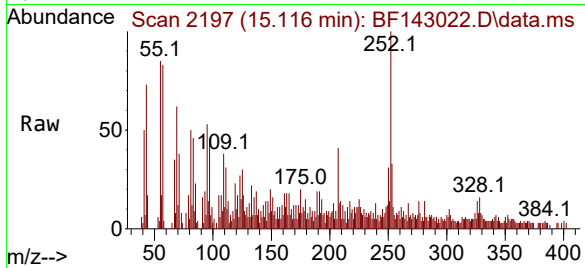
Acq: 07 Jul 2025 21:52

Instrument :

BNA_F

ClientSampleId :

PIT#2



Tgt Ion:252 Resp: 13293

Ion Ratio Lower Upper

252 100

253 33.1 17.2 25.8#

125 29.9 7.4 11.2#

