

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
 Data File : BF142818.D
 Acq On : 24 Jun 2025 13:54
 Operator : RC/JU
 Sample : Q2381-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11929

Quant Time: Jun 24 14:30:22 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)

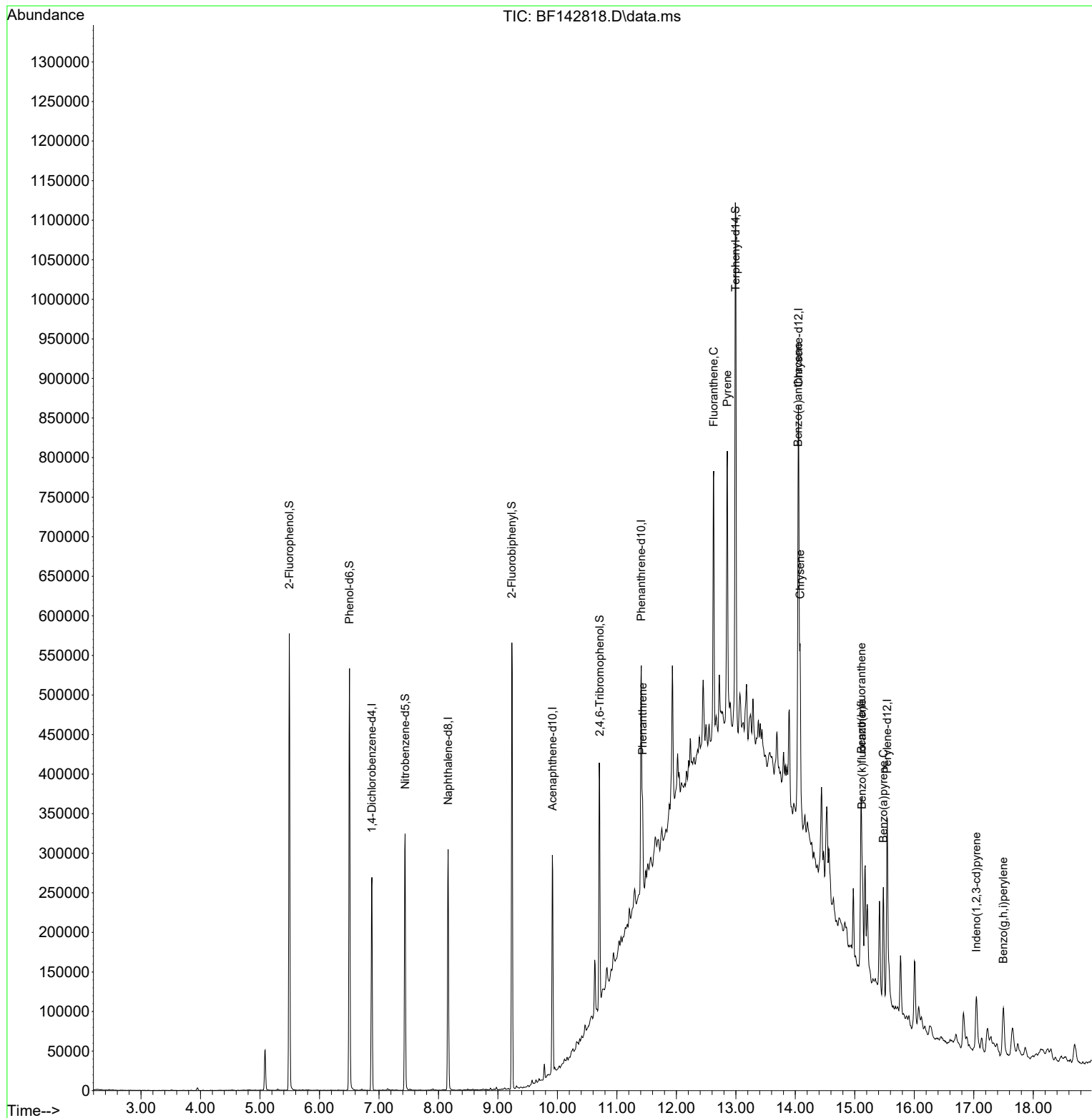
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	60138	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	192448	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	82644	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	148935	20.000	ng	0.00
76) Chrysene-d12	14.057	240	184472	20.000	ng	0.00
86) Perylene-d12	15.545	264	131931	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	215509	59.664	ng	0.00
7) Phenol-d6	6.504	99	235863	55.347	ng	0.00
23) Nitrobenzene-d5	7.439	82	134835	38.430	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	51634	60.713	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	248414	39.487	ng	-0.01
79) Terphenyl-d14	12.998	244	337490	25.278	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.433	178	63010	7.810	ng	98
75) Fluoranthene	12.627	202	202414	26.436	ng	98
78) Pyrene	12.857	202	214856	12.426	ng	99
81) Benzo(a)anthracene	14.045	228	131510	10.568	ng	95
83) Chrysene	14.080	228	122153	11.000	ng	98
87) Indeno(1,2,3-cd)pyrene	17.045	276	46460	4.623	ng	96
88) Benzo(b)fluoranthene	15.110	252	132483m	17.354	ng	
89) Benzo(k)fluoranthene	15.121	252	54138m	7.580	ng	
90) Benzo(a)pyrene	15.480	252	83901	11.376	ng	98
92) Benzo(g,h,i)perylene	17.498	276	48630	5.973	ng	98

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

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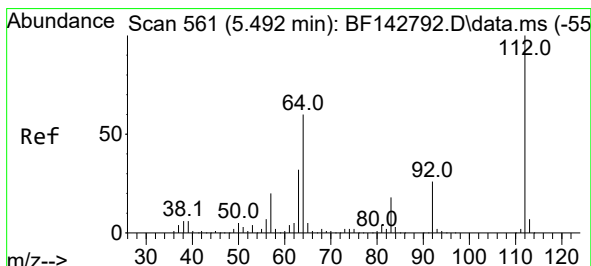
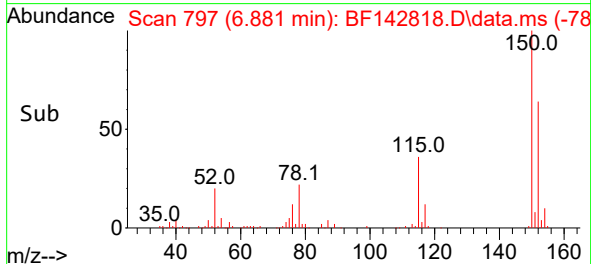
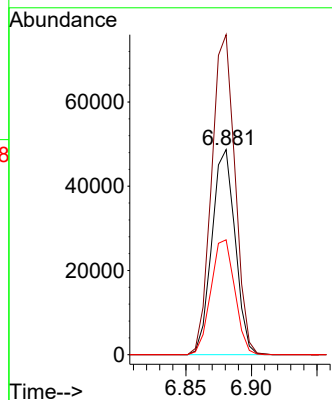
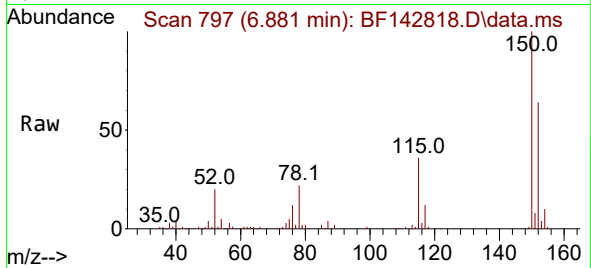




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF142818.D
Acq: 24 Jun 2025 13:54

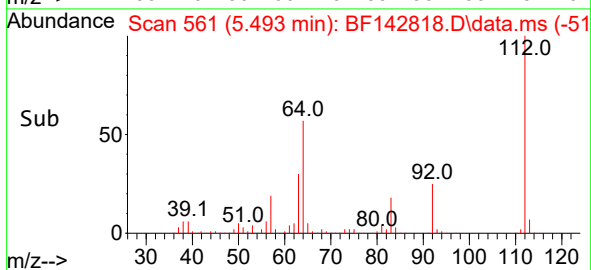
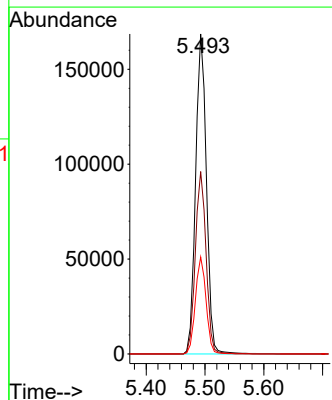
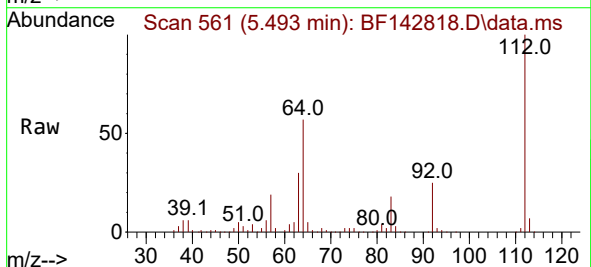
Instrument :
BNA_F
ClientSampleId :
72-11929

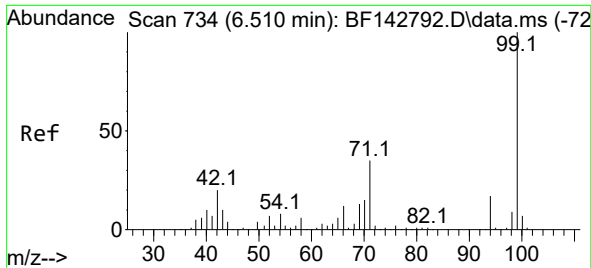
Tgt Ion:152 Resp: 60138
Ion Ratio Lower Upper
152 100
150 156.0 127.2 190.8
115 56.0 46.6 69.8



#5
2-Fluorophenol
Concen: 59.664 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142818.D
Acq: 24 Jun 2025 13:54

Tgt Ion:112 Resp: 215509
Ion Ratio Lower Upper
112 100
64 57.0 48.2 72.2
63 30.3 25.7 38.5

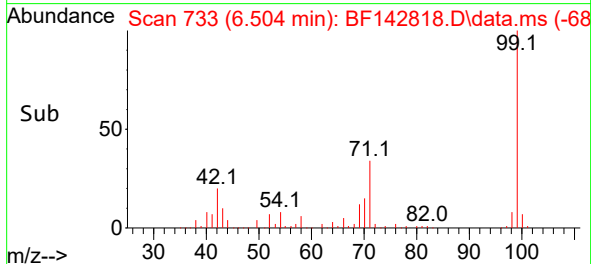
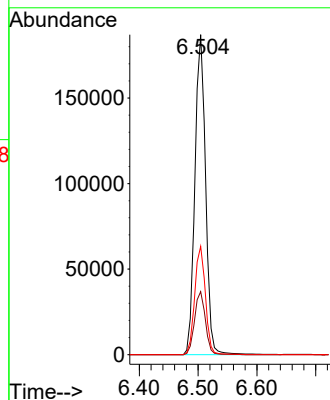
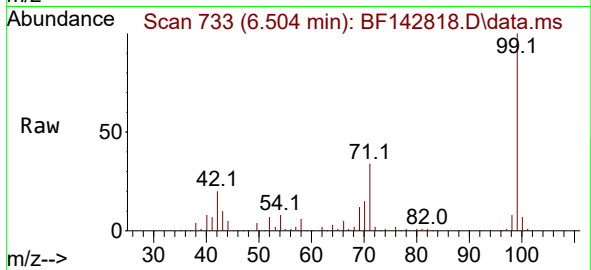




#7
Phenol-d6
Concen: 55.347 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142818.D
Acq: 24 Jun 2025 13:54

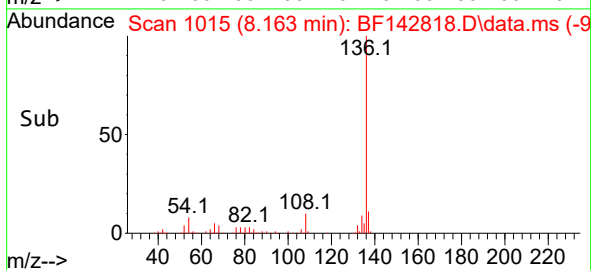
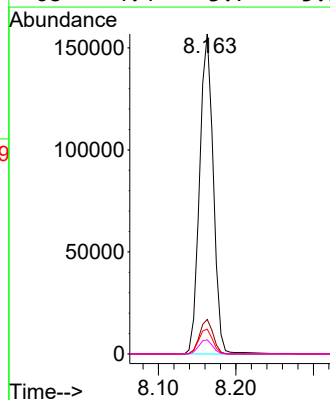
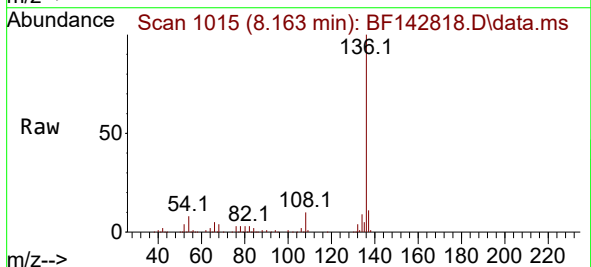
Instrument :
BNA_F
ClientSampleId :
72-11929

Tgt Ion: 99 Resp: 235863
Ion Ratio Lower Upper
99 100
42 19.7 15.9 23.9
71 33.9 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF142818.D
Acq: 24 Jun 2025 13:54

Tgt Ion: 136 Resp: 192448
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.8 6.3 9.5
68 4.4 3.7 5.5





#23

Nitrobenzene-d5

Concen: 38.430 ng

RT: 7.439 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF142818.D

Acq: 24 Jun 2025 13:54

Instrument :

BNA_F

ClientSampleId :

72-11929

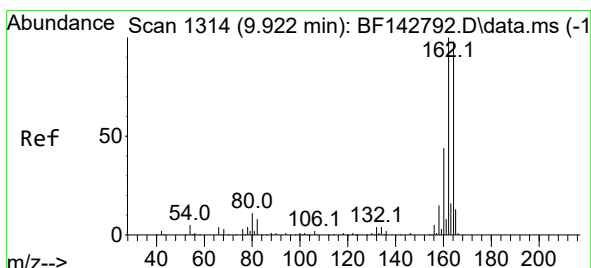
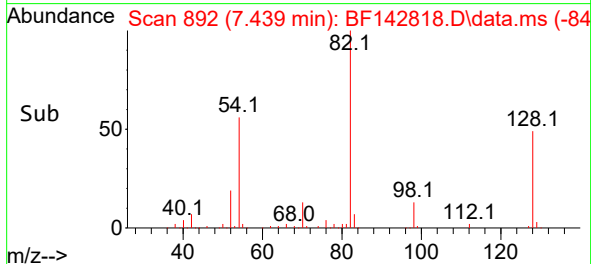
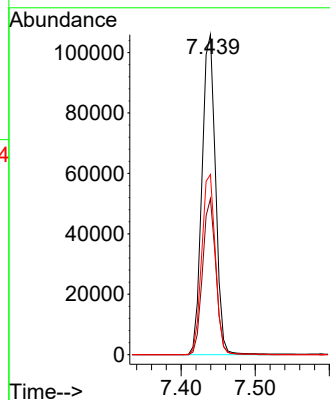
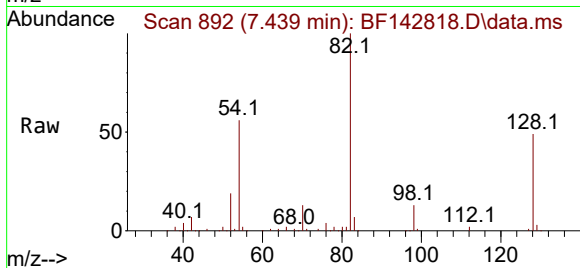
Tgt Ion: 82 Resp: 134835

Ion Ratio Lower Upper

82 100

128 48.8 37.7 56.5

54 56.3 45.7 68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.006 min

Lab File: BF142818.D

Acq: 24 Jun 2025 13:54

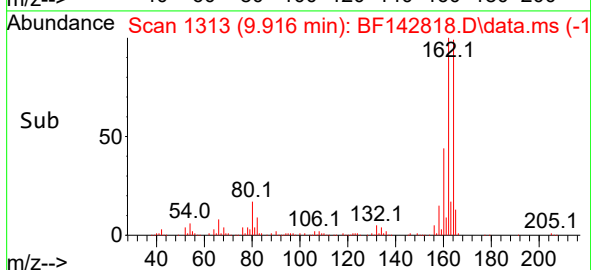
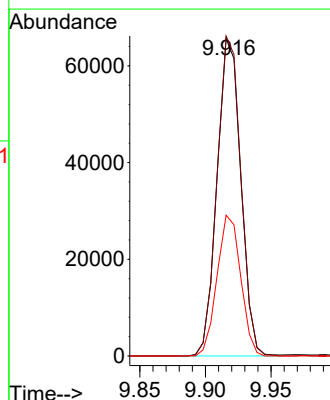
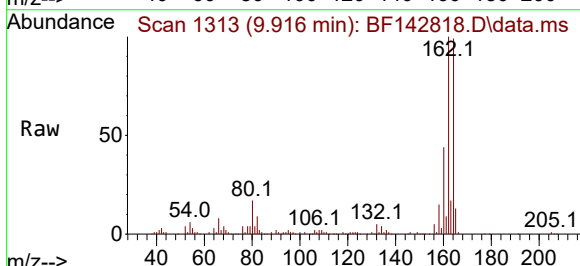
Tgt Ion: 164 Resp: 82644

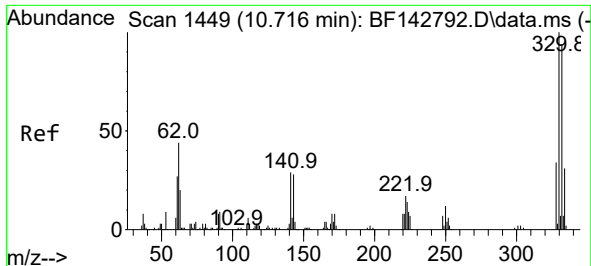
Ion Ratio Lower Upper

164 100

162 100.9 81.8 122.8

160 44.4 36.0 54.0

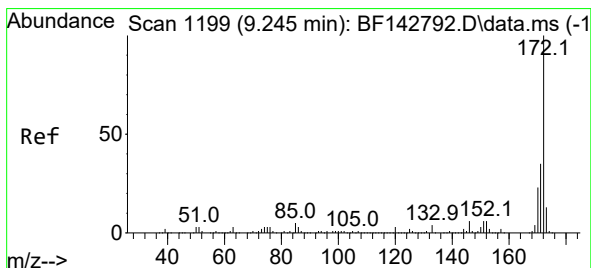
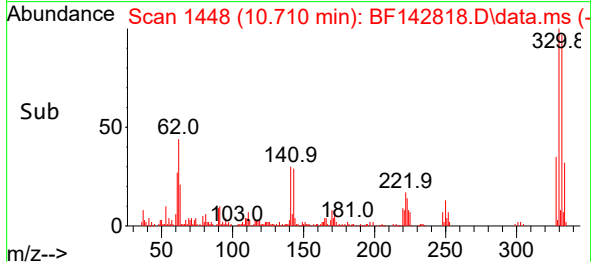
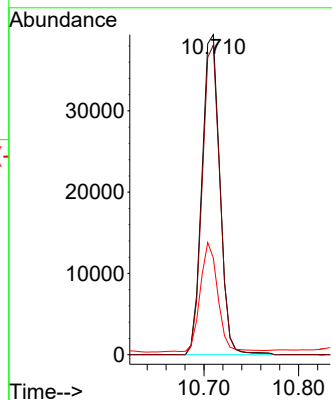
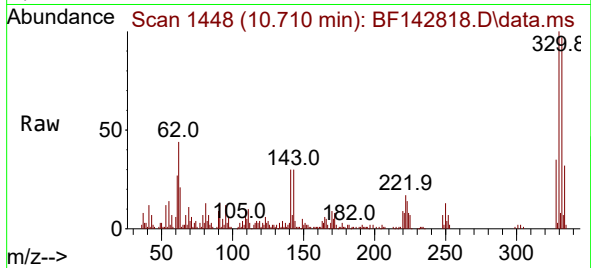




#42
2,4,6-Tribromophenol
Concen: 60.713 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF142818.D
Acq: 24 Jun 2025 13:54

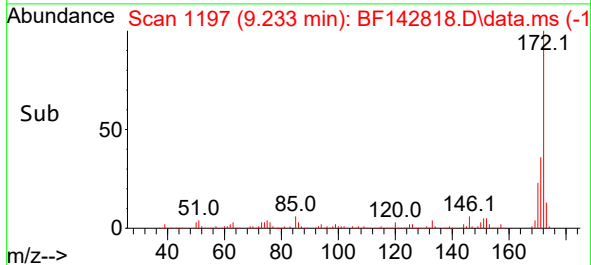
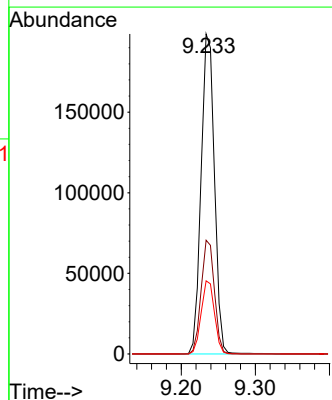
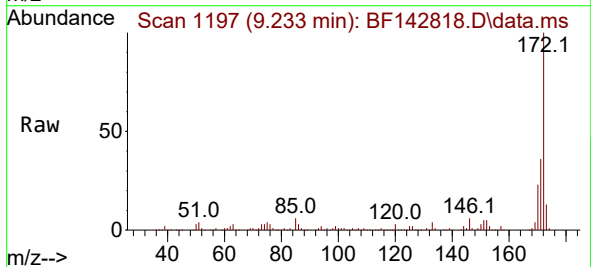
Instrument :
BNA_F
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72-11929

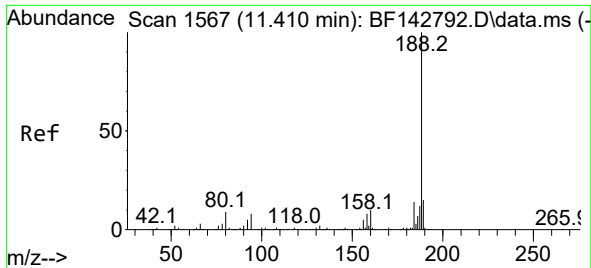
Tgt Ion:330 Resp: 51634
Ion Ratio Lower Upper
330 100
332 96.0 75.0 112.6
141 34.1 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 39.487 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142818.D
Acq: 24 Jun 2025 13:54

Tgt Ion:172 Resp: 248414
Ion Ratio Lower Upper
172 100
171 35.6 28.2 42.4
170 22.9 18.5 27.7

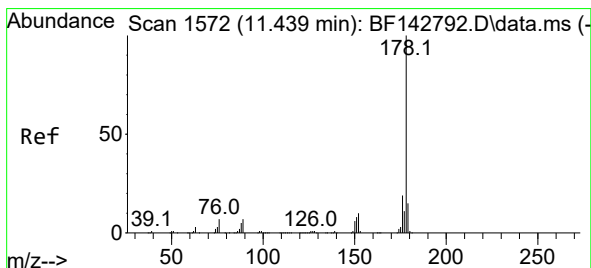
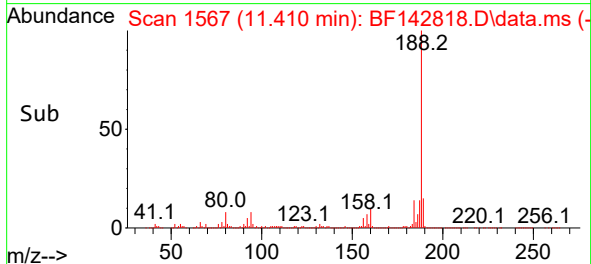
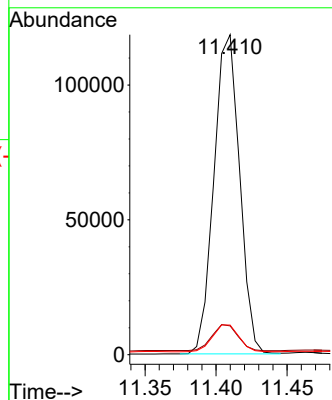
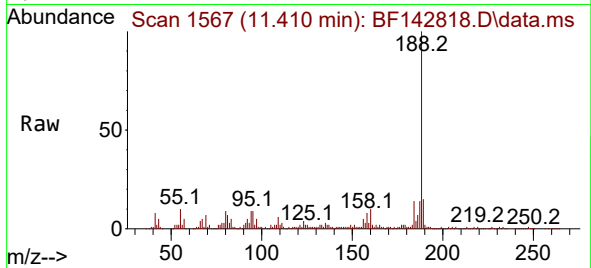




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142818.D
Acq: 24 Jun 2025 13:54

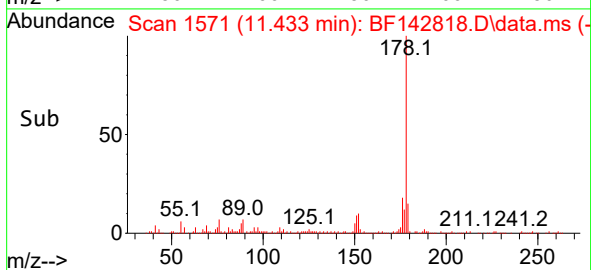
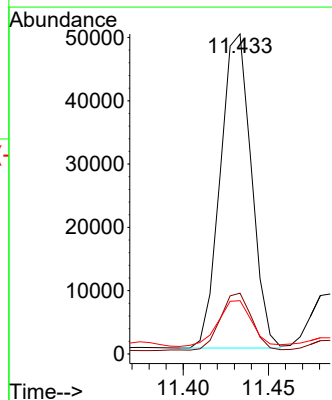
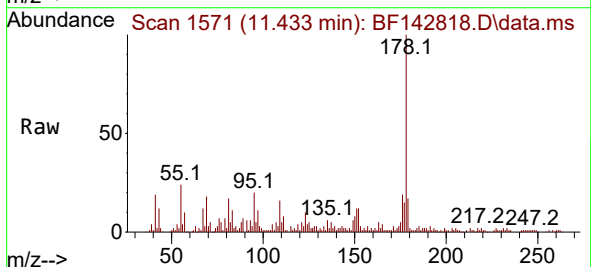
Instrument :
BNA_F
ClientSampleId :
72-11929

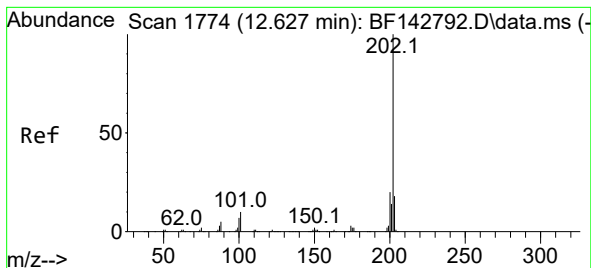
Tgt Ion:188 Resp: 148935
Ion Ratio Lower Upper
188 100
94 9.0 6.7 10.1
80 9.2 6.9 10.3



#71
Phenanthrene
Concen: 7.810 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF142818.D
Acq: 24 Jun 2025 13:54

Tgt Ion:178 Resp: 63010
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 16.6 12.0 18.0





#75

Fluoranthene

Concen: 26.436 ng

RT: 12.627 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF142818.D

Acq: 24 Jun 2025 13:54

Instrument :

BNA_F

ClientSampleId :

72-11929

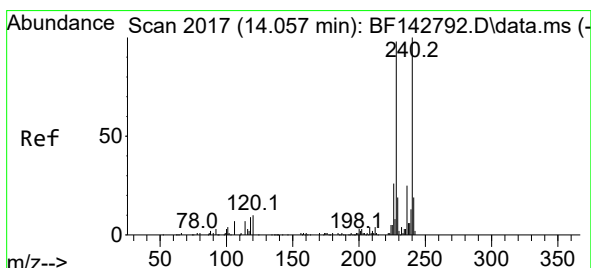
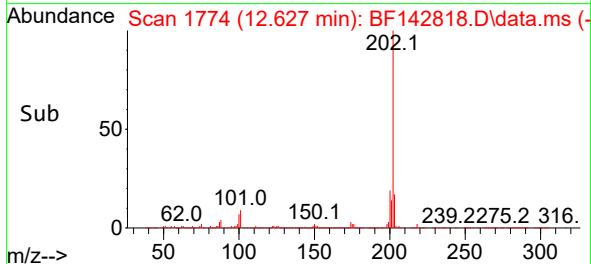
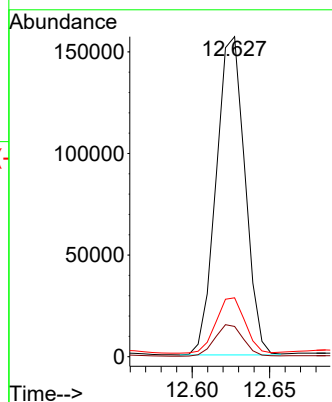
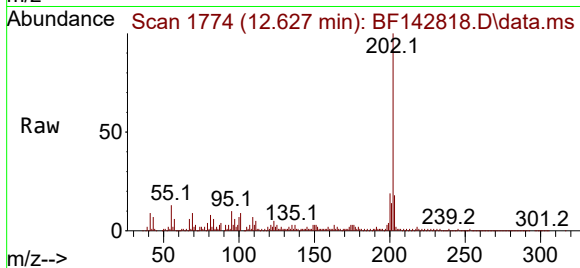
Tgt Ion:202 Resp: 202414

Ion Ratio Lower Upper

202 100

101 9.5 0.0 29.7

203 18.4 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: BF142818.D

Acq: 24 Jun 2025 13:54

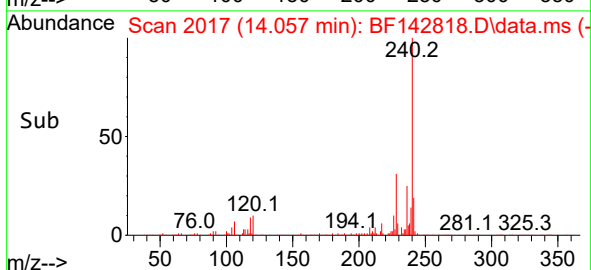
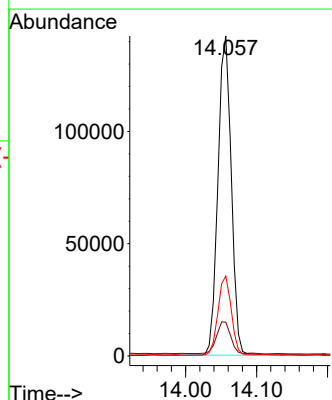
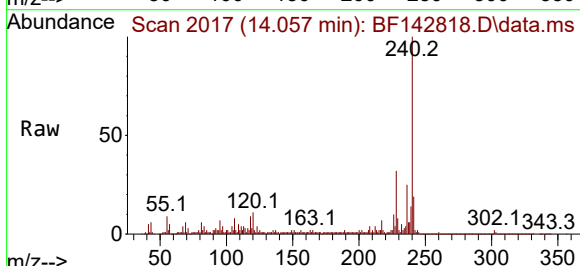
Tgt Ion:240 Resp: 184472

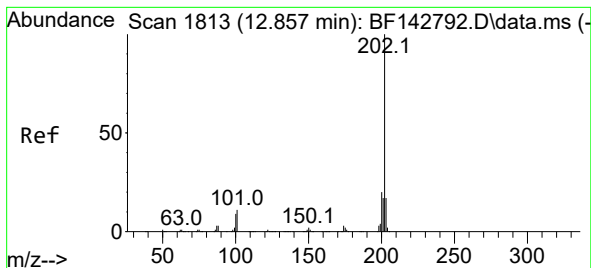
Ion Ratio Lower Upper

240 100

120 10.5 8.2 12.2

236 25.0 19.8 29.8





#78

Pyrene

Concen: 12.426 ng

RT: 12.857 min Scan# 1813

Delta R.T. 0.000 min

Lab File: BF142818.D

Acq: 24 Jun 2025 13:54

Instrument :

BNA_F

ClientSampleId :

72-11929

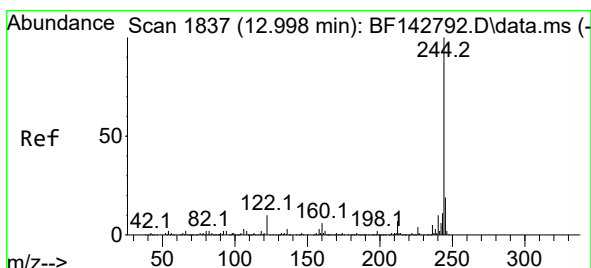
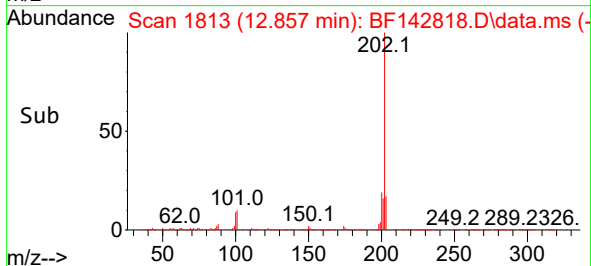
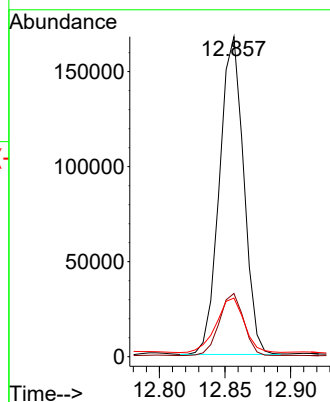
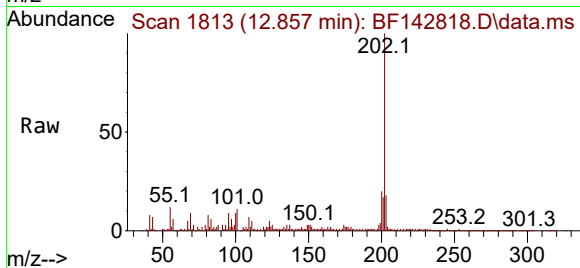
Tgt Ion:202 Resp: 214856

Ion Ratio Lower Upper

202 100

200 19.7 15.7 23.5

203 18.3 13.8 20.6



#79

Terphenyl-d14

Concen: 25.278 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.000 min

Lab File: BF142818.D

Acq: 24 Jun 2025 13:54

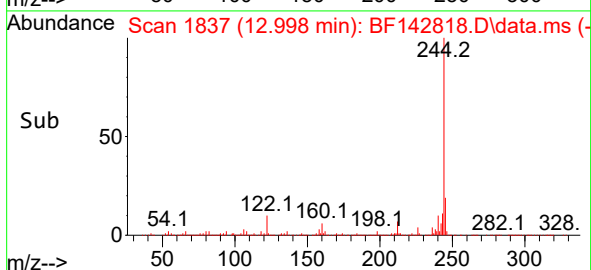
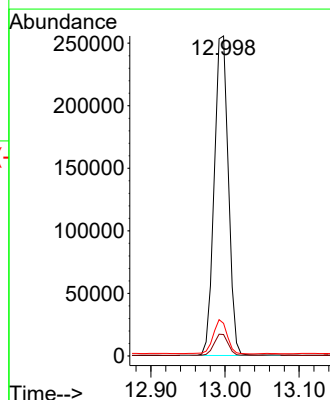
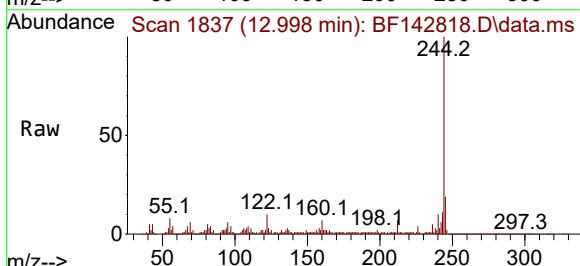
Tgt Ion:244 Resp: 337490

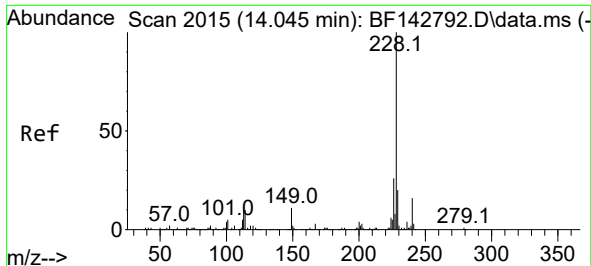
Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 10.2 8.2 12.2

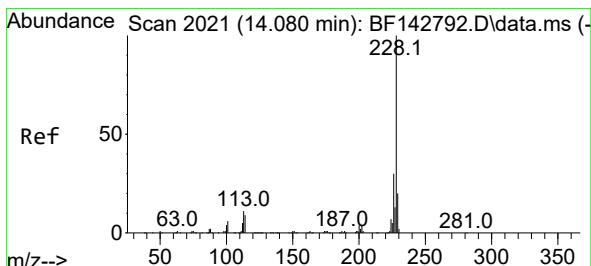
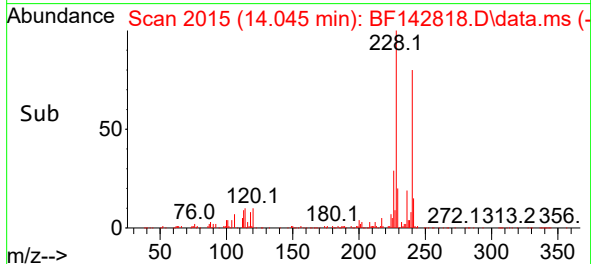
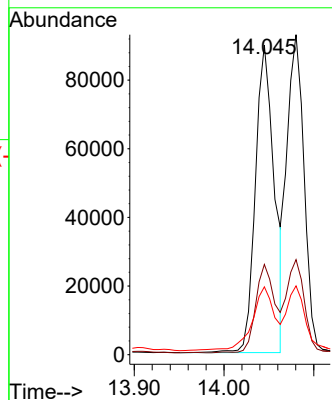
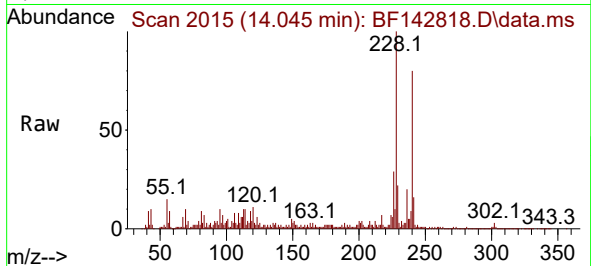




#81
Benzo(a)anthracene
Concen: 10.568 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142818.D
Acq: 24 Jun 2025 13:54

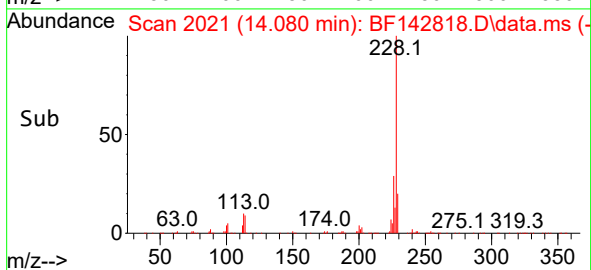
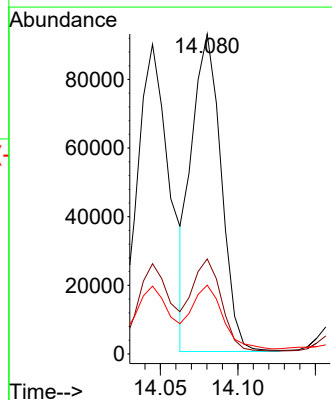
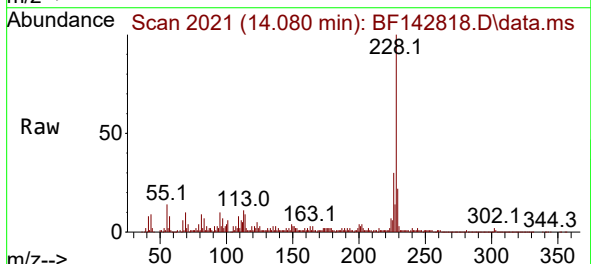
Instrument :
BNA_F
ClientSampleId :
72-11929

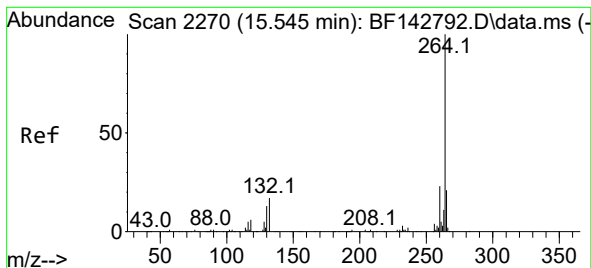
Tgt Ion:228 Resp: 131510
Ion Ratio Lower Upper
228 100
226 29.2 21.2 31.8
229 21.9 15.6 23.4



#83
Chrysene
Concen: 11.000 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF142818.D
Acq: 24 Jun 2025 13:54

Tgt Ion:228 Resp: 122153
Ion Ratio Lower Upper
228 100
226 29.7 23.7 35.5
229 21.5 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142818.D

Acq: 24 Jun 2025 13:54

Instrument :

BNA_F

ClientSampleId :

72-11929

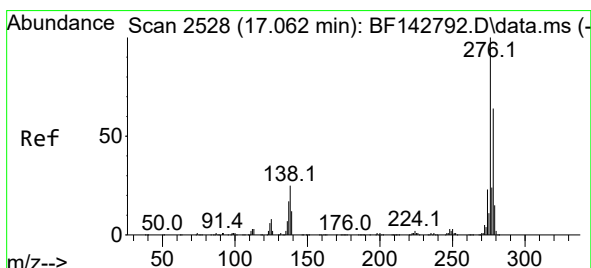
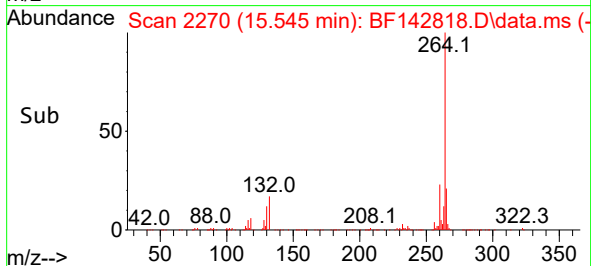
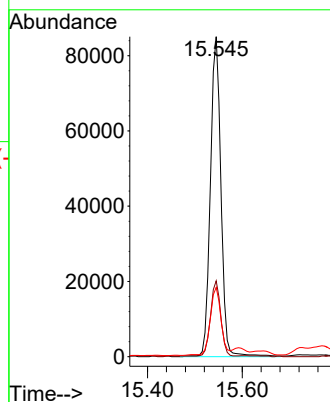
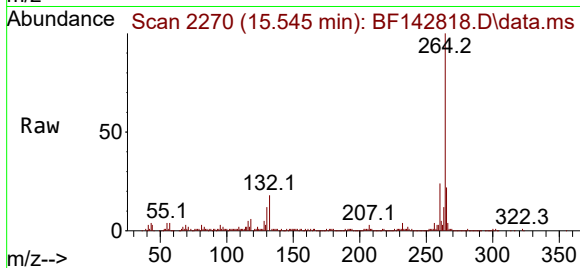
Tgt Ion:264 Resp: 131931

Ion Ratio Lower Upper

264 100

260 23.7 18.1 27.1

265 21.6 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.623 ng

RT: 17.045 min Scan# 2525

Delta R.T. -0.018 min

Lab File: BF142818.D

Acq: 24 Jun 2025 13:54

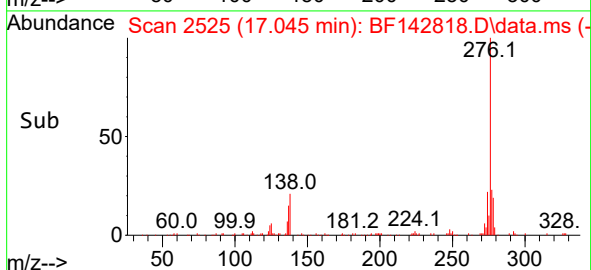
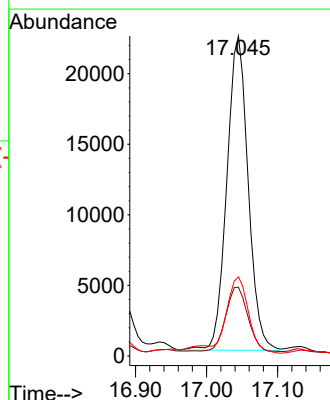
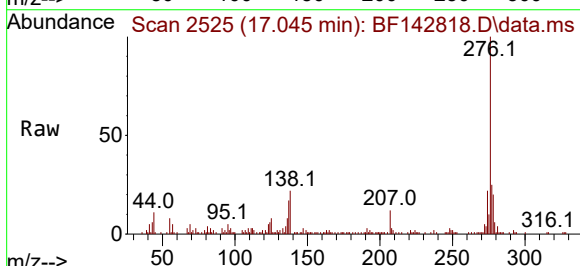
Tgt Ion:276 Resp: 46460

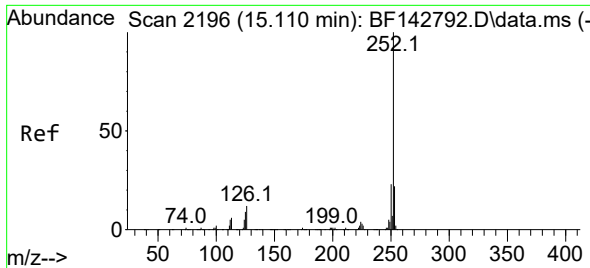
Ion Ratio Lower Upper

276 100

138 21.9 20.2 30.4

277 25.0 19.8 29.6

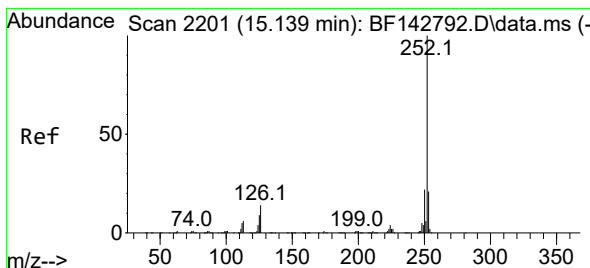
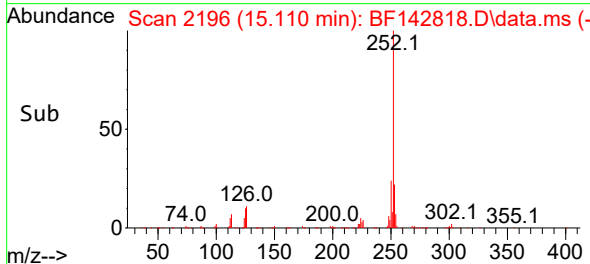
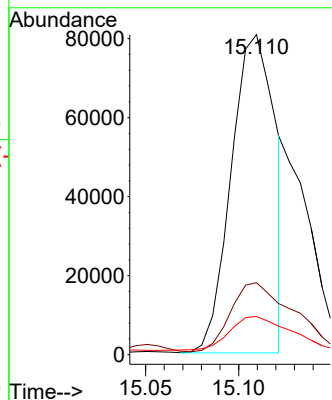
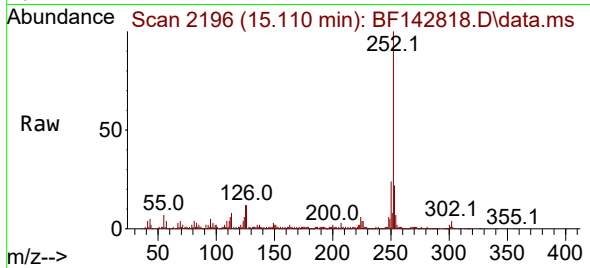




#88
Benzo(b)fluoranthene
Concen: 17.354 ng m
RT: 15.110 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF142818.D
Acq: 24 Jun 2025 13:54

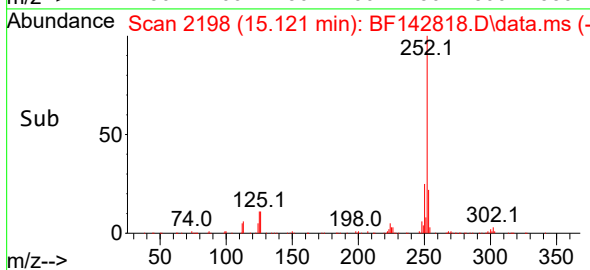
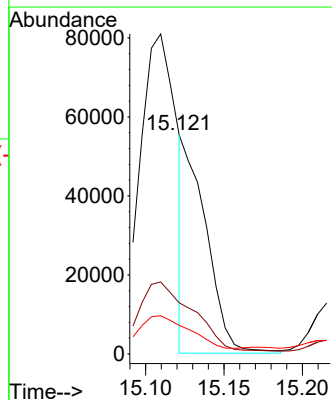
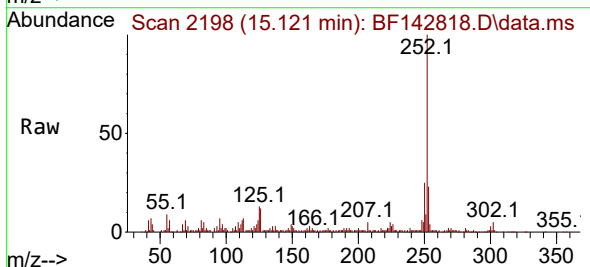
Instrument :
BNA_F
ClientSampleId :
72-11929

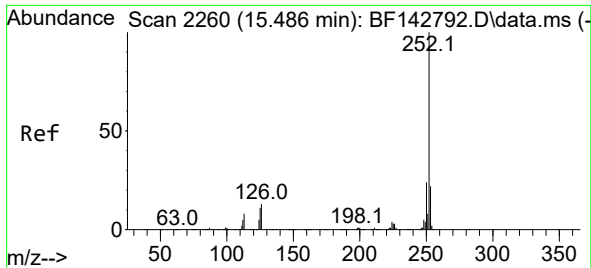
Tgt Ion:252 Resp: 132483
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 12.0 7.4 11.0#



#89
Benzo(k)fluoranthene
Concen: 7.580 ng m
RT: 15.121 min Scan# 2198
Delta R.T. -0.018 min
Lab File: BF142818.D
Acq: 24 Jun 2025 13:54

Tgt Ion:252 Resp: 54138
Ion Ratio Lower Upper
252 100
253 23.4 17.2 25.8
125 13.0 7.4 11.2#

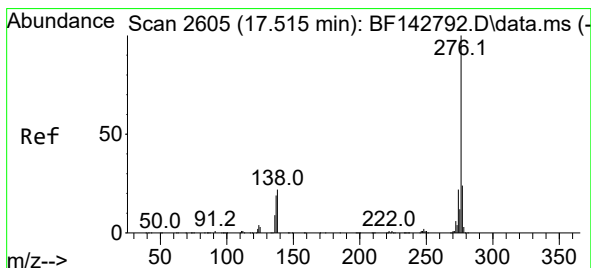
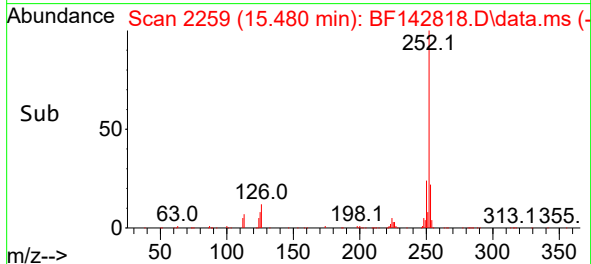
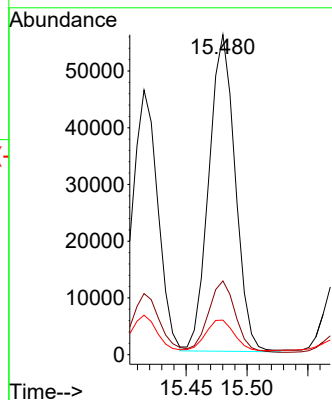
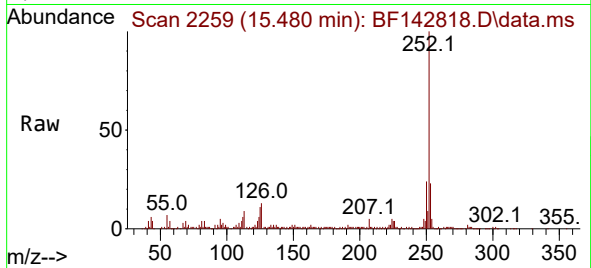




#90
Benzo(a)pyrene
Concen: 11.376 ng
RT: 15.480 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142818.D
Acq: 24 Jun 2025 13:54

Instrument :
BNA_F
ClientSampleId :
72-11929

Tgt Ion:252 Resp: 83901
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 10.8 8.6 12.8



#92
Benzo(g,h,i)perylene
Concen: 5.973 ng
RT: 17.498 min Scan# 2602
Delta R.T. -0.018 min
Lab File: BF142818.D
Acq: 24 Jun 2025 13:54

Tgt Ion:276 Resp: 48630
Ion Ratio Lower Upper
276 100
277 24.7 18.8 28.2
138 22.3 17.6 26.4

