

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
 Data File : BF142618.D
 Acq On : 04 Jun 2025 20:47
 Operator : RC/JU
 Sample : Q2173-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 05 01:27:37 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)

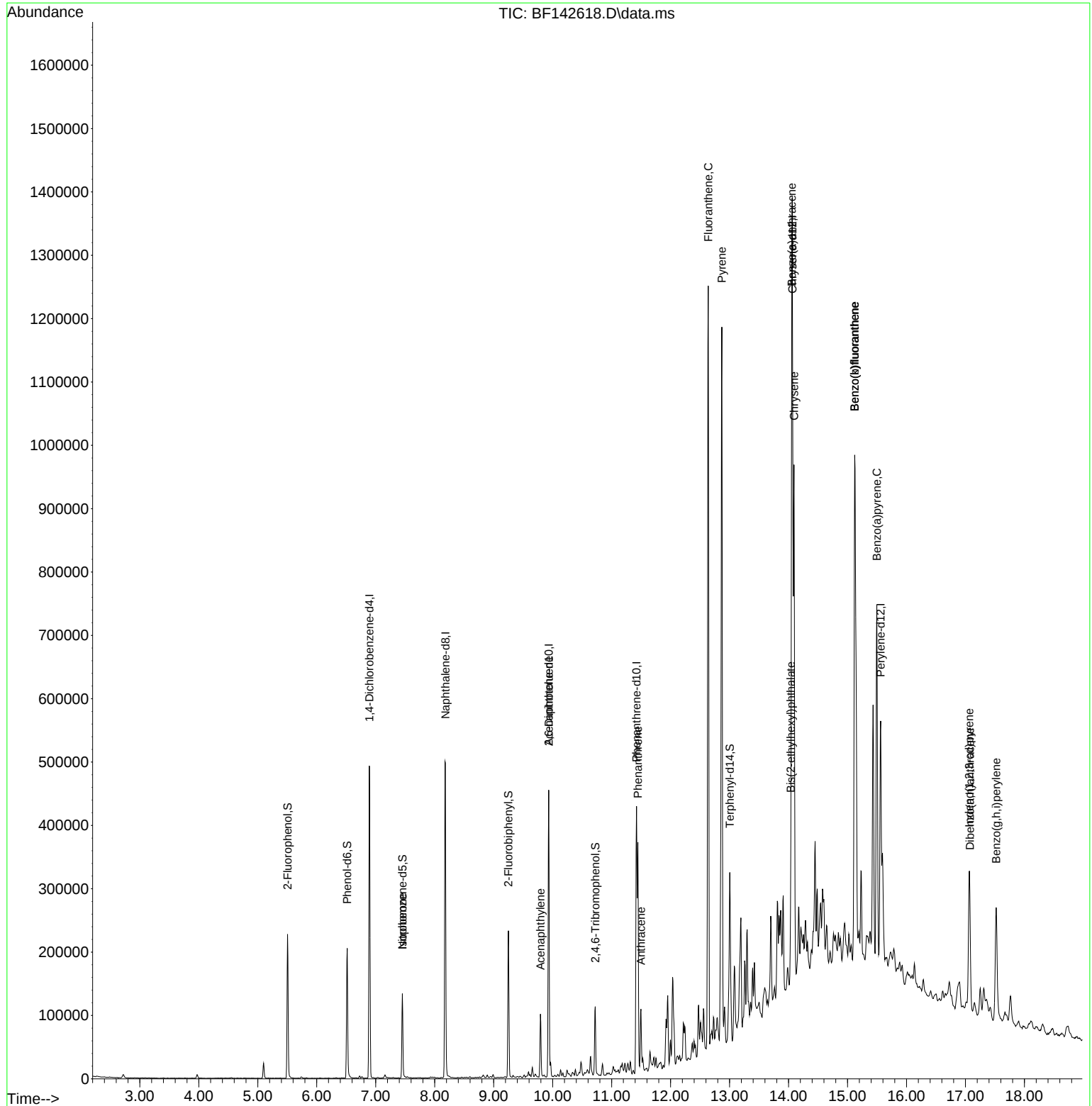
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	109247	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	339260	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	134857	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	215883	20.000	ng	-0.01
76) Chrysene-d12	14.069	240	274672	20.000	ng	0.00
86) Perylene-d12	15.563	264	232393	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	89262	13.766	ng	-0.01
7) Phenol-d6	6.516	99	98417	12.608	ng	-0.02
23) Nitrobenzene-d5	7.451	82	56095	9.016	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	17514	11.701	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	105192	10.467	ng	-0.02
79) Terphenyl-d14	13.004	244	118155	5.878	ng	-0.01
Target Compounds						Qvalue
25) Isophorone	7.451	82	47839	4.599	ng	# 63
49) Acenaphthylene	9.792	152	63978	4.901	ng	99
51) 2,6-Dinitrotoluene	9.934	165	16962	8.832	ng	# 28
71) Phenanthrene	11.445	178	190375	16.501	ng	99
72) Anthracene	11.498	178	60106	5.105	ng	99
75) Fluoranthene	12.639	202	702164	65.134	ng	99
78) Pyrene	12.869	202	672592	26.250	ng	99
81) Benzo(a)anthracene	14.057	228	496244	27.056	ng	94
83) Chrysene	14.092	228	413333	25.080	ng	97
84) Bis(2-ethylhexyl)phtha...	14.039	149	25542	2.818	ng	100
87) Indeno(1,2,3-cd)pyrene	17.063	276	170851	9.793	ng	95
88) Benzo(b)fluoranthene	15.121	252	730406	53.105	ng	# 95
89) Benzo(k)fluoranthene	15.121	252	730406	56.699	ng	# 95
90) Benzo(a)pyrene	15.498	252	349273	26.941	ng	97
91) Dibenzo(a,h)anthracene	17.074	278	40836	2.886	ng	# 78
92) Benzo(g,h,i)perylene	17.521	276	161371	11.402	ng	99

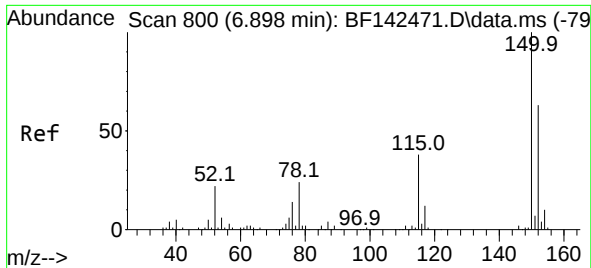
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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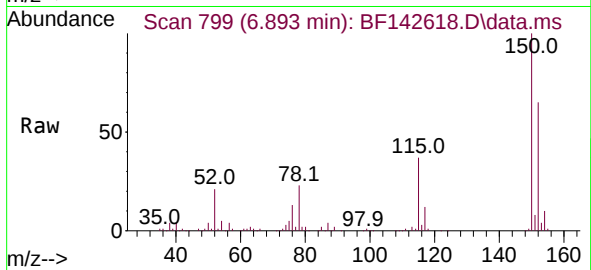
Quant Time: Jun 05 01:27:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
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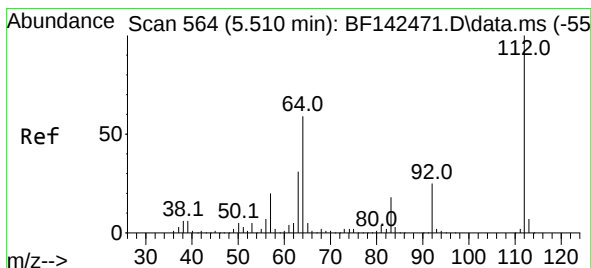
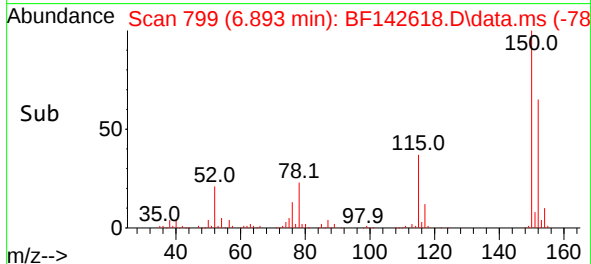
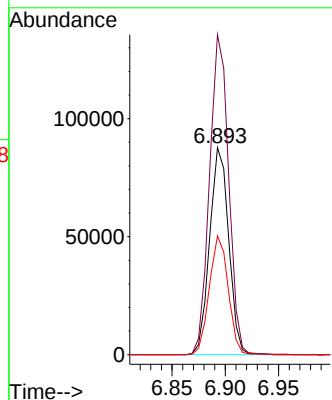


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF142618.D
Acq: 04 Jun 2025 20:47

Instrument :
BNA_F
ClientSampleId :

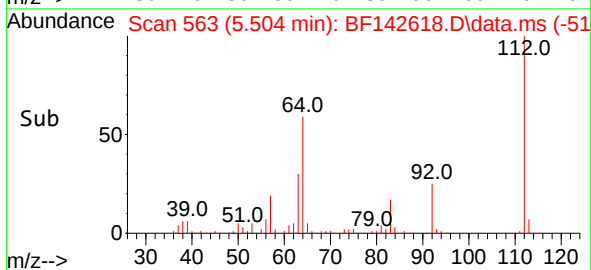
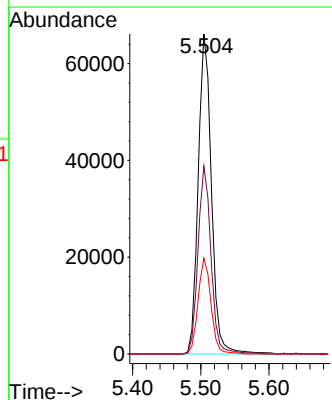
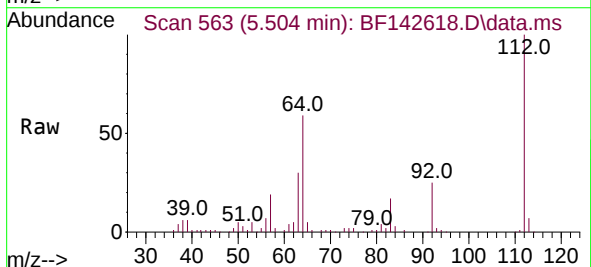


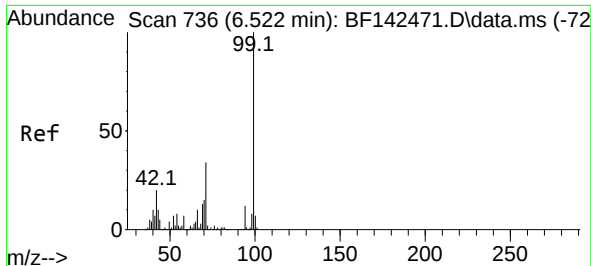
Tgt Ion:152 Resp: 109247
Ion Ratio Lower Upper
152 100
150 154.5 128.2 192.4
115 57.3 48.3 72.5



#5
2-Fluorophenol
Concen: 13.766 ng
RT: 5.504 min Scan# 563
Delta R.T. -0.012 min
Lab File: BF142618.D
Acq: 04 Jun 2025 20:47

Tgt Ion:112 Resp: 89262
Ion Ratio Lower Upper
112 100
64 58.6 47.5 71.3
63 29.9 24.9 37.3

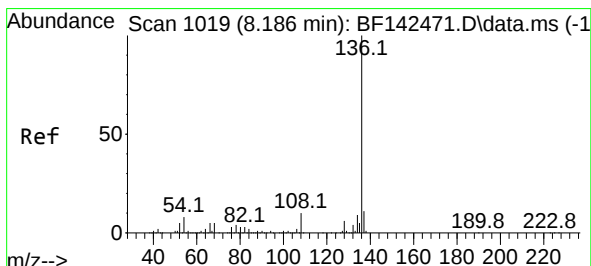
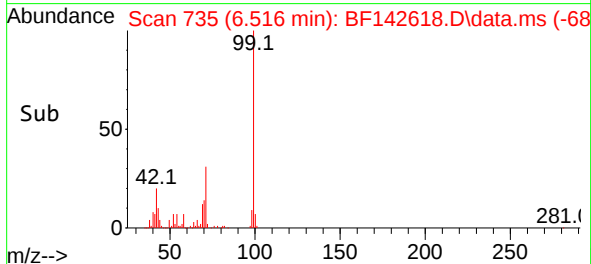
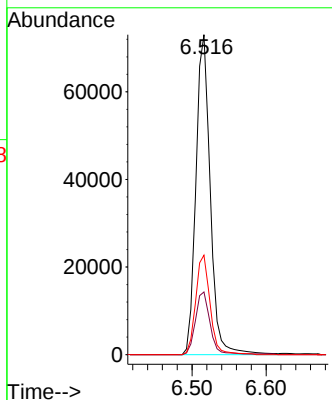
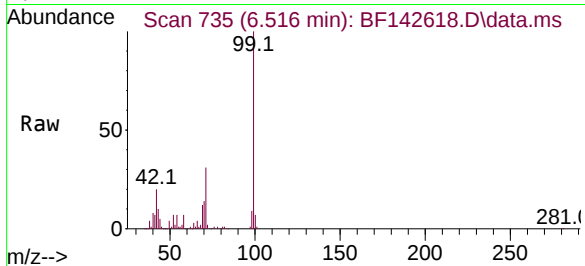




#7
Phenol-d6
Concen: 12.608 ng
RT: 6.516 min Scan# 736
Delta R.T. -0.017 min
Lab File: BF142618.D
Acq: 04 Jun 2025 20:47

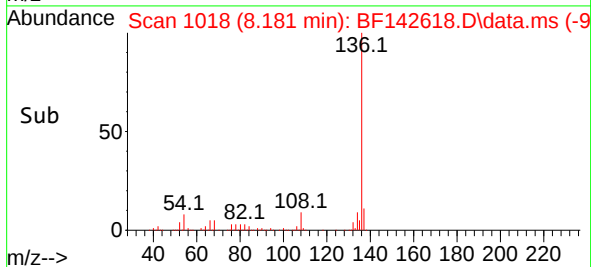
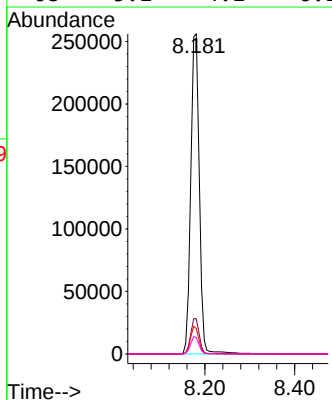
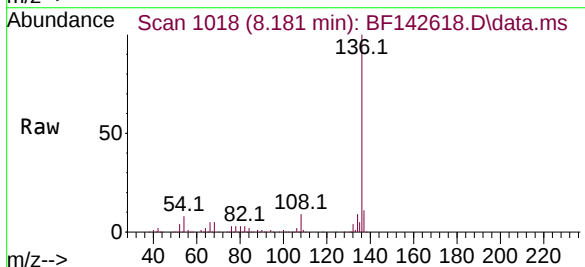
Instrument :
BNA_F
ClientSampleId :

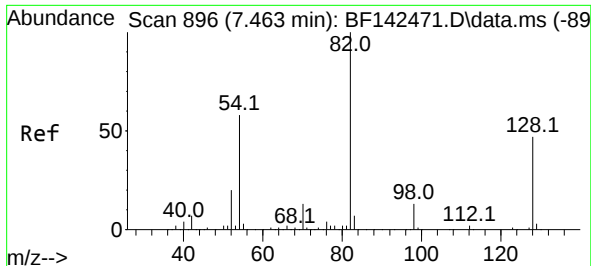
Tgt Ion: 99 Resp: 98417
Ion Ratio Lower Upper
99 100
42 19.6 16.2 24.2
71 31.1 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142618.D
Acq: 04 Jun 2025 20:47

Tgt Ion: 136 Resp: 339260
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.0 6.6 10.0
68 5.1 4.1 6.1





#23

Nitrobenzene-d5

Concen: 9.016 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.023 min

Lab File: BF142618.D

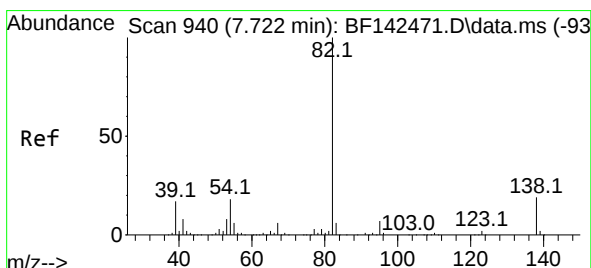
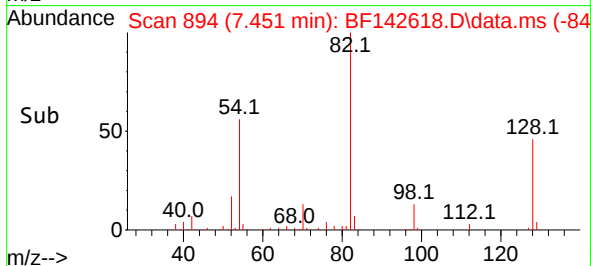
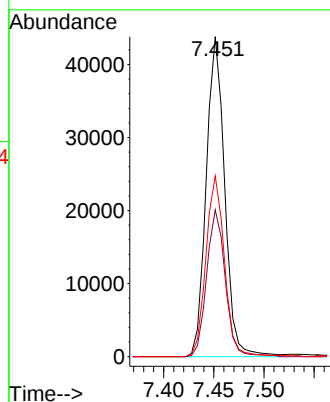
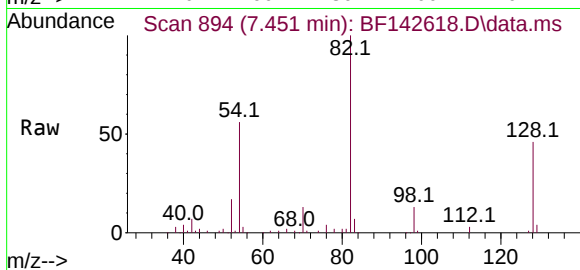
Acq: 04 Jun 2025 20:47

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	82	Resp:	56095
Ion Ratio	Lower	Upper	
82	100		
128	45.9	37.4	56.2
54	56.5	46.6	70.0



#25

Isophorone

Concen: 4.599 ng

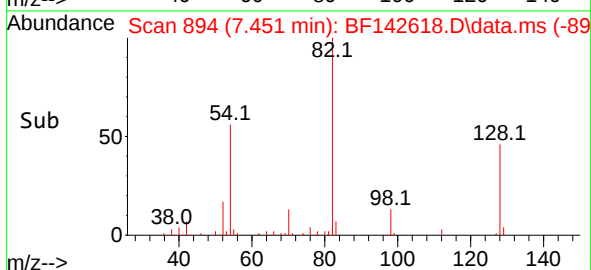
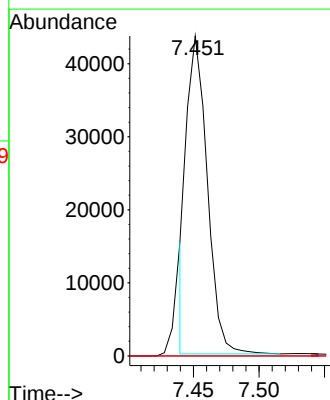
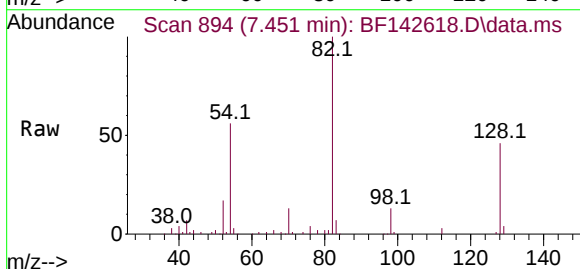
RT: 7.451 min Scan# 894

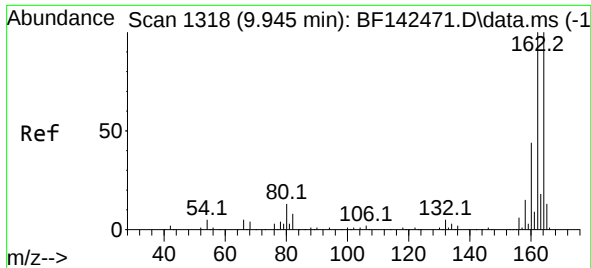
Delta R.T. -0.282 min

Lab File: BF142618.D

Acq: 04 Jun 2025 20:47

Tgt Ion:	82	Resp:	47839
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: 9.934 min Scan# 1318

Delta R.T. -0.012 min

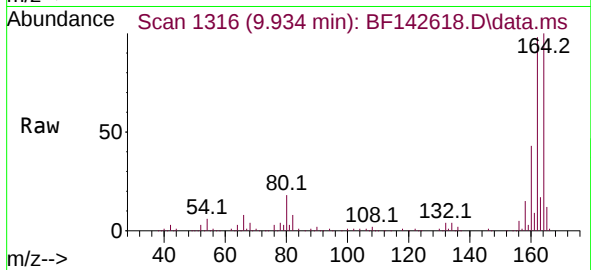
Lab File: BF142618.D

Acq: 04 Jun 2025 20:47

Instrument :

BNA_F

ClientSampleId :



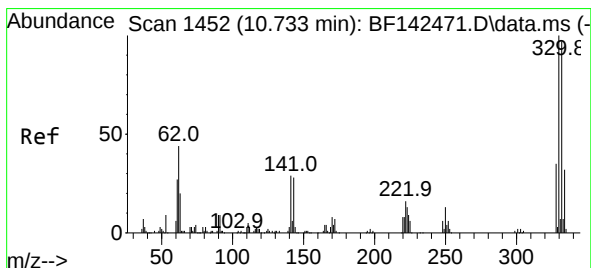
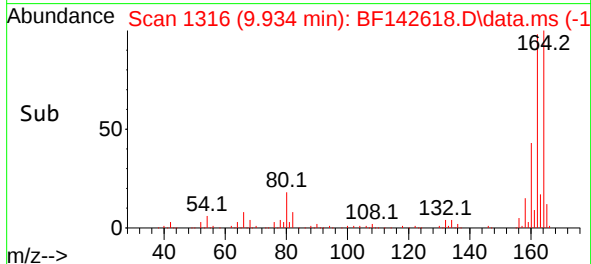
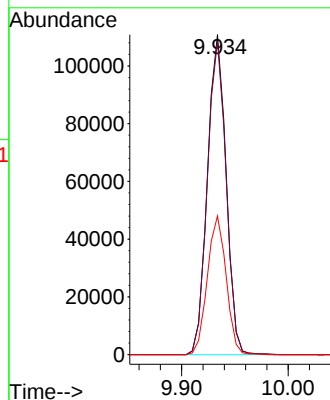
Tgt Ion:164 Resp: 134857

Ion Ratio Lower Upper

164 100

162 97.9 80.2 120.4

160 43.3 35.6 53.4



#42

2,4,6-Tribromophenol

Concen: 11.701 ng

RT: 10.722 min Scan# 1450

Delta R.T. -0.017 min

Lab File: BF142618.D

Acq: 04 Jun 2025 20:47

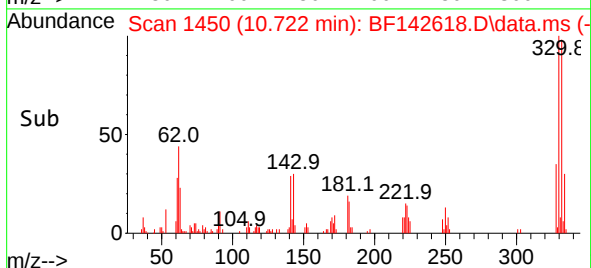
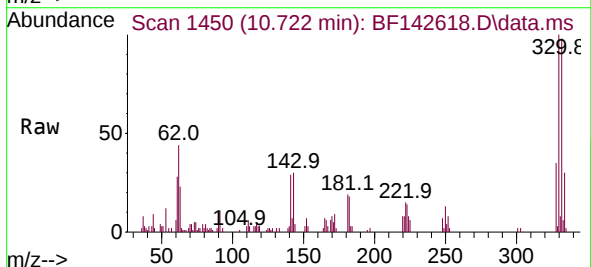
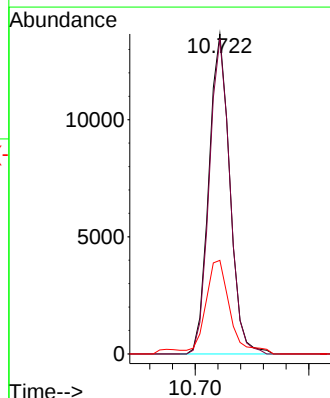
Tgt Ion:330 Resp: 17514

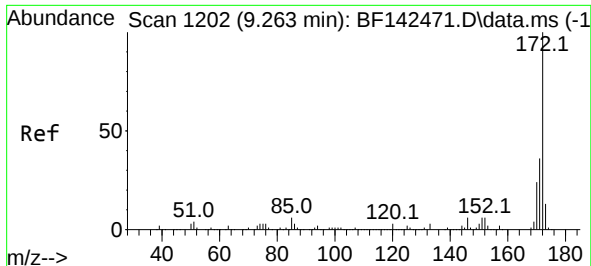
Ion Ratio Lower Upper

330 100

332 96.8 77.6 116.4

141 33.4 24.6 36.8





#45

2-Fluorobiphenyl

Concen: 10.467 ng

RT: 9.251 min Scan# 11

Delta R.T. -0.017 min

Lab File: BF142618.D

Acq: 04 Jun 2025 20:47

Instrument :

BNA_F

ClientSampleId :

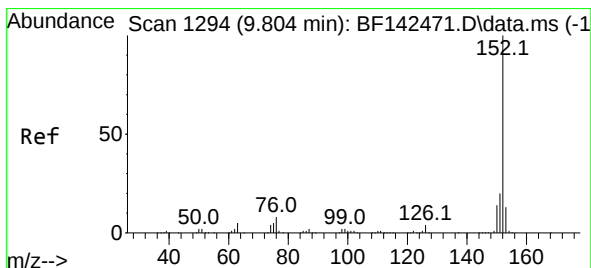
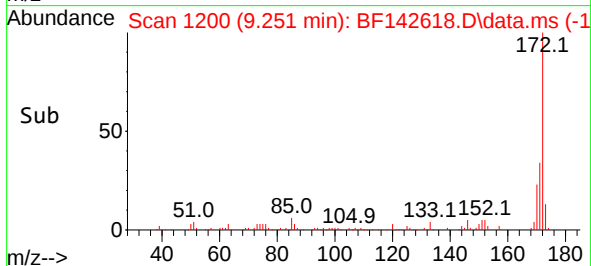
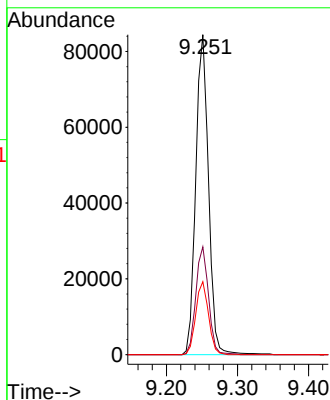
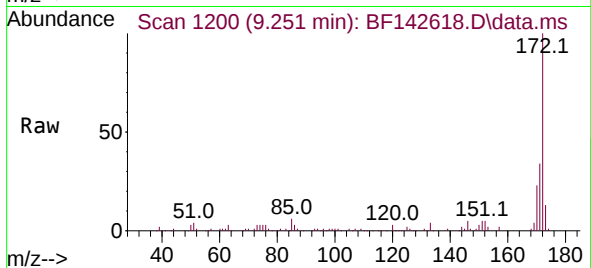
Tgt Ion:172 Resp: 105192

Ion Ratio Lower Upper

172 100

171 33.7 28.6 42.8

170 22.8 18.9 28.3



#49

Acenaphthylene

Concen: 4.901 ng

RT: 9.792 min Scan# 1292

Delta R.T. -0.017 min

Lab File: BF142618.D

Acq: 04 Jun 2025 20:47

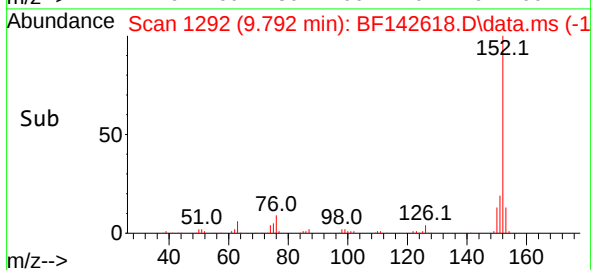
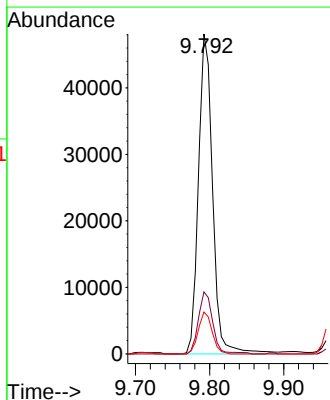
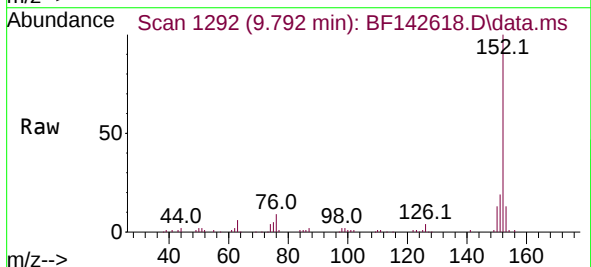
Tgt Ion:152 Resp: 63978

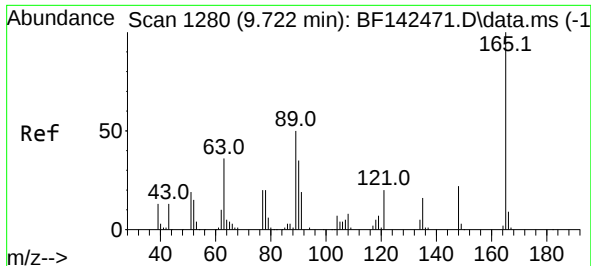
Ion Ratio Lower Upper

152 100

151 19.4 15.8 23.8

153 13.1 10.6 15.8





#51

2,6-Dinitrotoluene

Concen: 8.832 ng

RT: 9.934 min Scan# 1569

Delta R.T. 0.206 min

Lab File: BF142618.D

Acq: 04 Jun 2025 20:47

Instrument :

BNA_F

ClientSampleId :

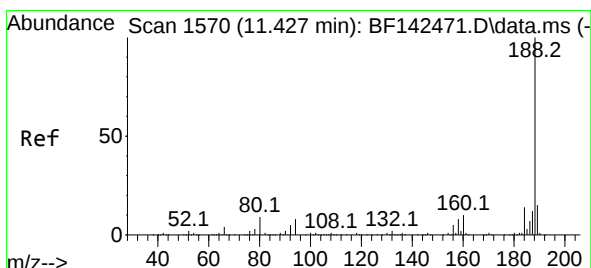
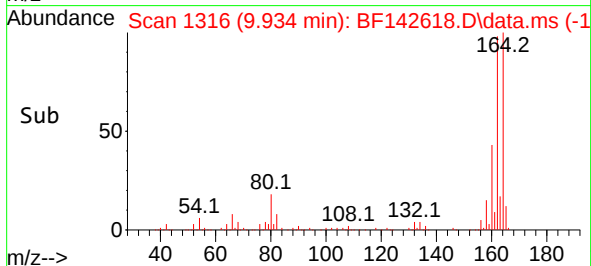
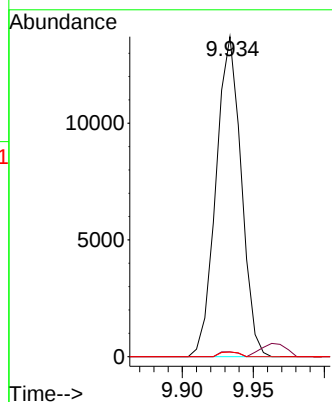
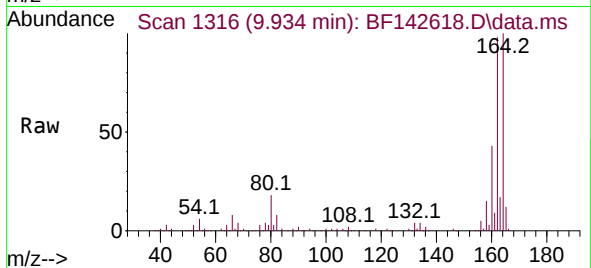
Tgt Ion:165 Resp: 16962

Ion Ratio Lower Upper

165 100

63 1.5 42.9 64.3#

89 1.4 40.2 60.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1569

Delta R.T. -0.012 min

Lab File: BF142618.D

Acq: 04 Jun 2025 20:47

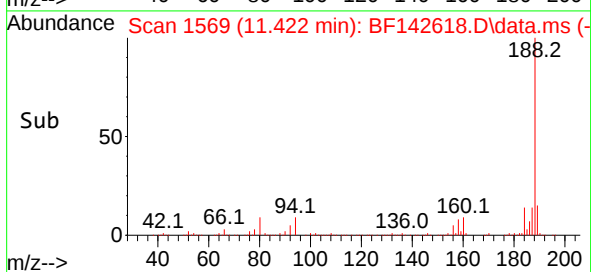
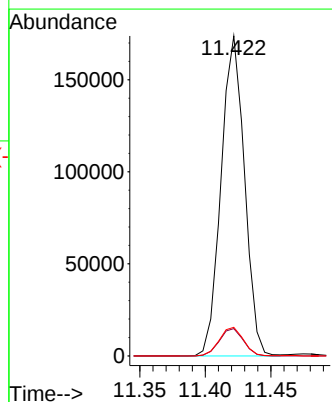
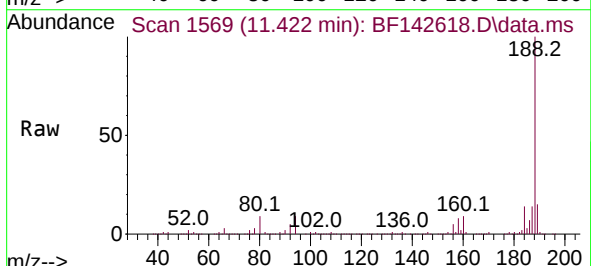
Tgt Ion:188 Resp: 215883

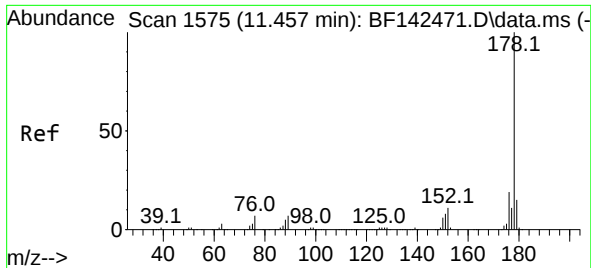
Ion Ratio Lower Upper

188 100

94 8.5 6.6 10.0

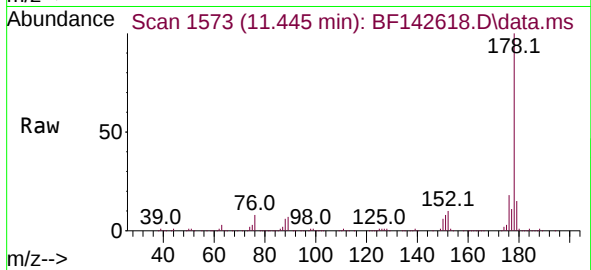
80 8.9 7.4 11.0



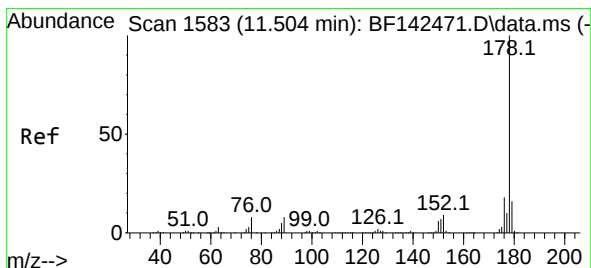
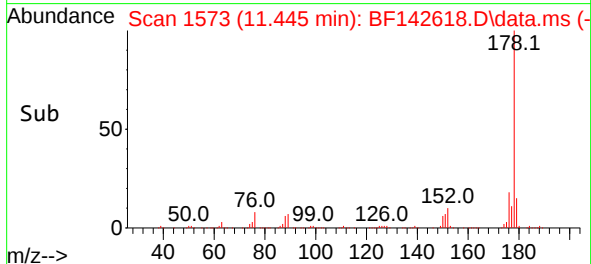
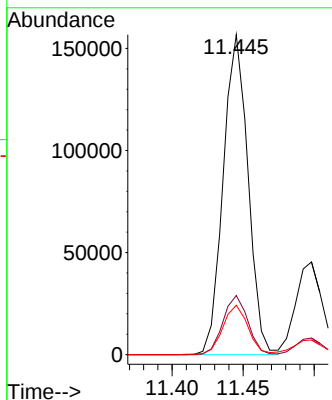


#71
Phenanthrene
Concen: 16.501 ng
RT: 11.445 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142618.D
Acq: 04 Jun 2025 20:47

Instrument :
BNA_F
ClientSampleId :

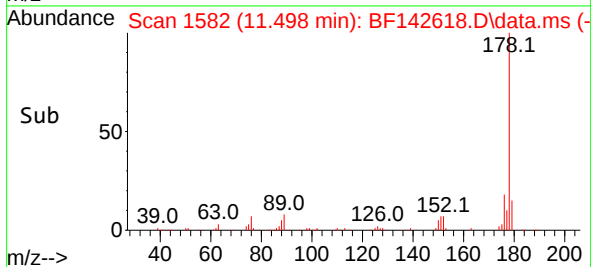
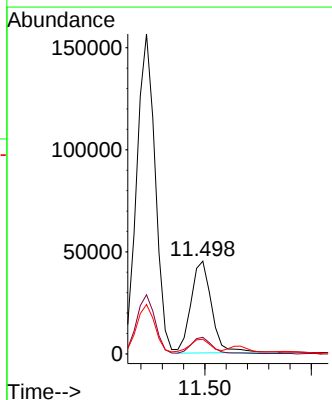
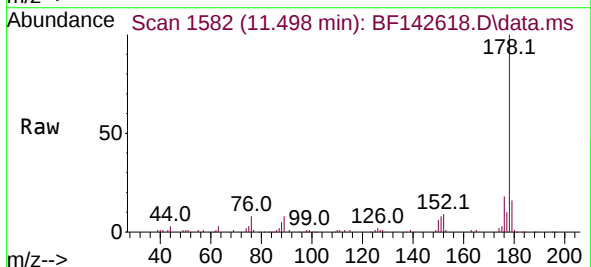


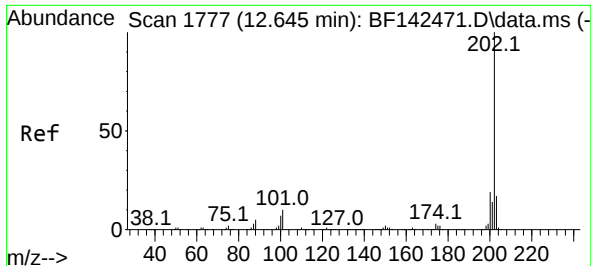
Tgt Ion:178 Resp: 190375
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.0
179 15.4 12.3 18.5



#72
Anthracene
Concen: 5.105 ng
RT: 11.498 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF142618.D
Acq: 04 Jun 2025 20:47

Tgt Ion:178 Resp: 60106
Ion Ratio Lower Upper
178 100
176 18.0 14.6 21.8
179 15.8 12.4 18.6

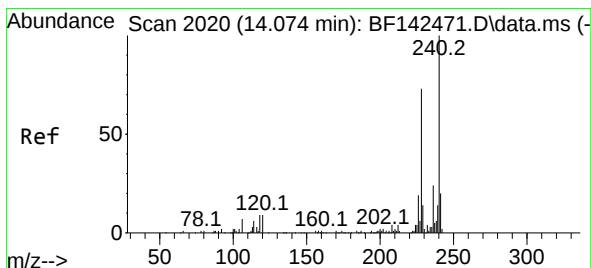
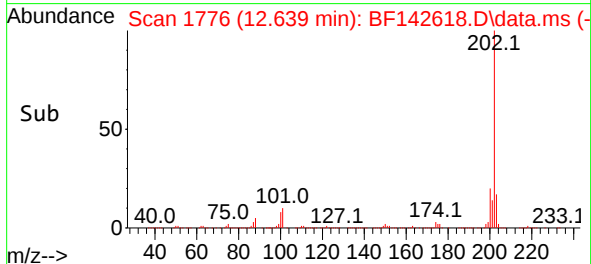
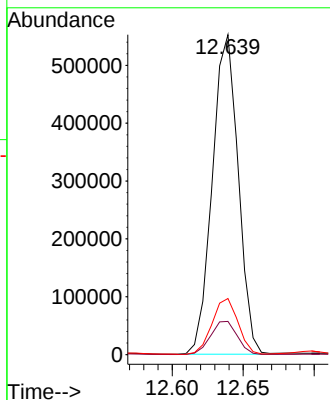
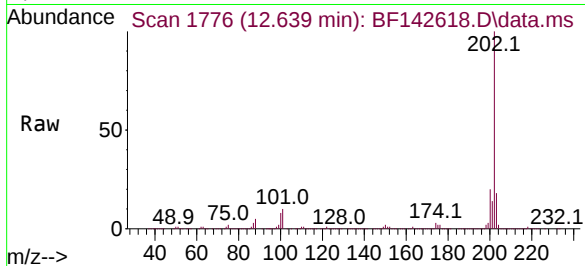




#75
Fluoranthene
Concen: 65.134 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142618.D
Acq: 04 Jun 2025 20:47

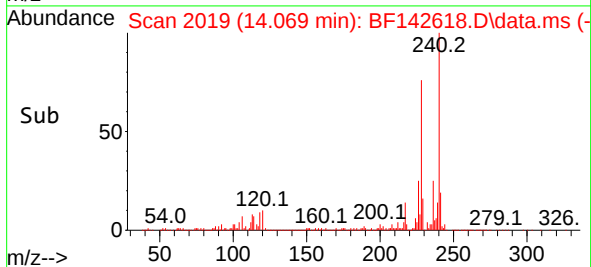
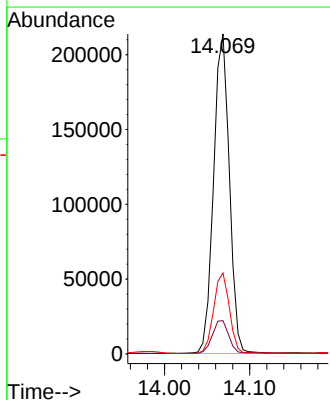
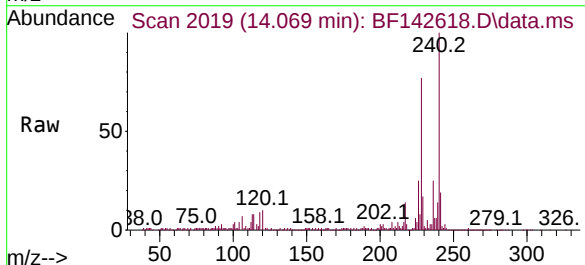
Instrument :
BNA_F
ClientSampleId :

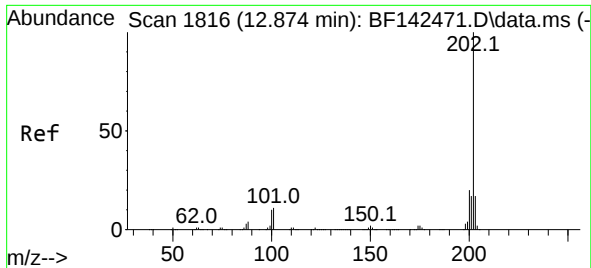
Tgt Ion:202 Resp: 702164
Ion Ratio Lower Upper
202 100
101 10.4 0.0 29.6
203 17.5 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142618.D
Acq: 04 Jun 2025 20:47

Tgt Ion:240 Resp: 274672
Ion Ratio Lower Upper
240 100
120 10.4 7.5 11.3
236 25.3 19.6 29.4

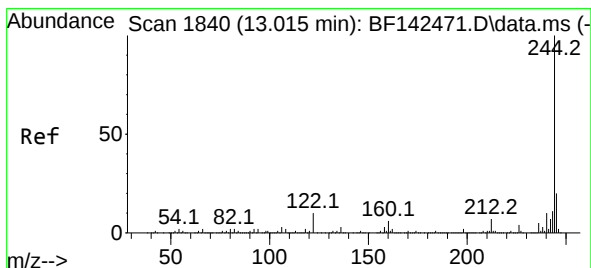
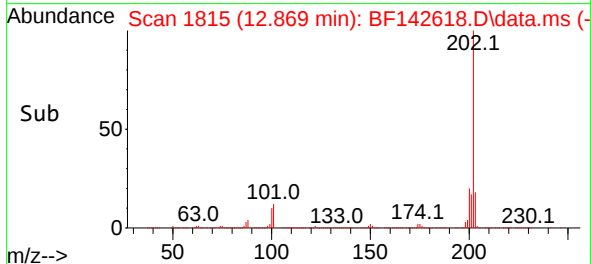
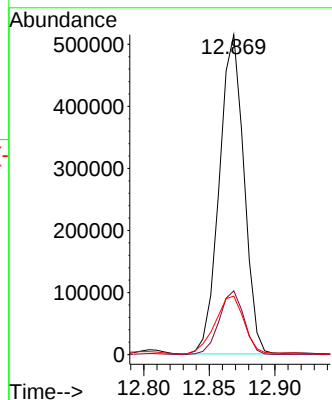
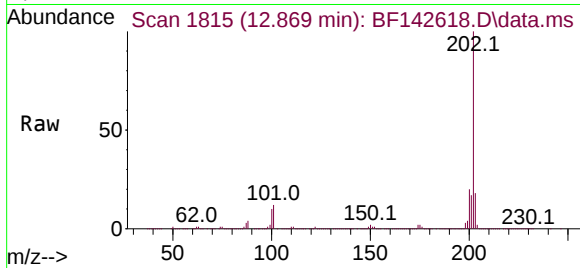




#78
 Pyrene
 Concen: 26.250 ng
 RT: 12.869 min Scan# 1816
 Delta R.T. -0.006 min
 Lab File: BF142618.D
 Acq: 04 Jun 2025 20:47

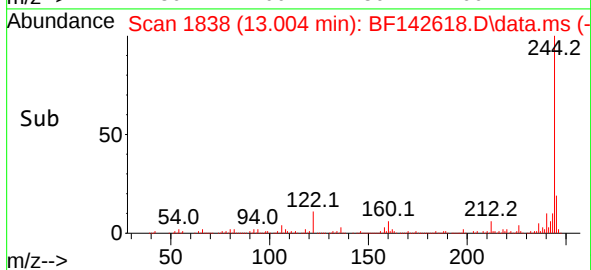
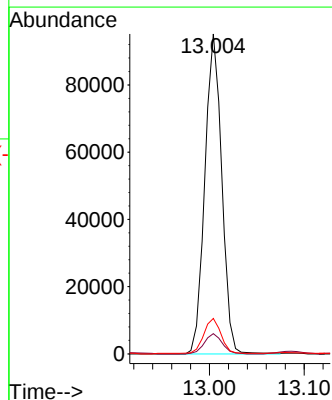
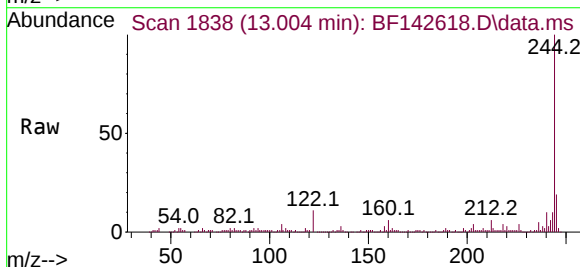
Instrument :
 BNA_F
 ClientSampleId :

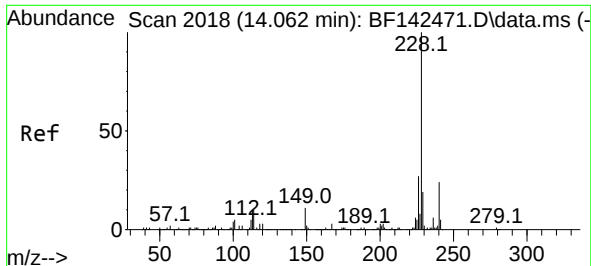
Tgt Ion:202 Resp: 672592
 Ion Ratio Lower Upper
 202 100
 200 19.9 16.1 24.1
 203 18.3 13.9 20.9



#79
 Terphenyl-d14
 Concen: 5.878 ng
 RT: 13.004 min Scan# 1838
 Delta R.T. -0.012 min
 Lab File: BF142618.D
 Acq: 04 Jun 2025 20:47

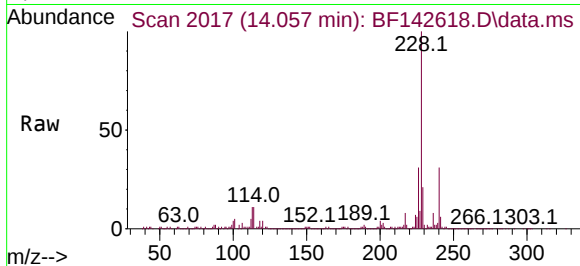
Tgt Ion:244 Resp: 118155
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.3 7.9
 122 11.1 8.2 12.2



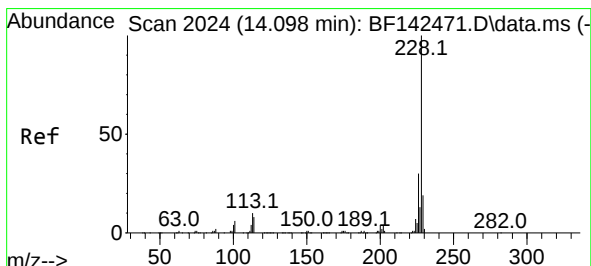
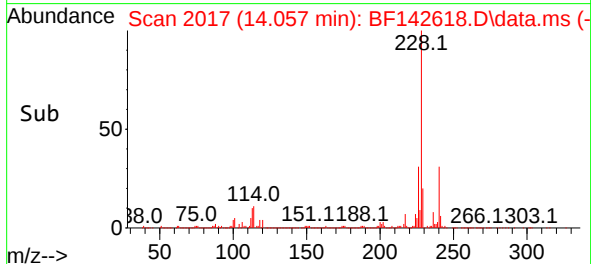
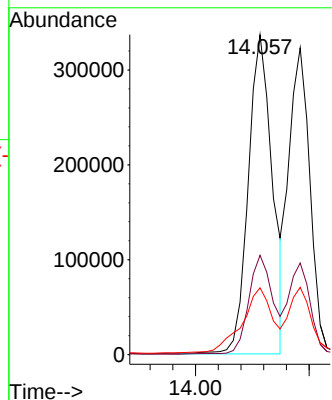


#81
Benzo(a)anthracene
Concen: 27.056 ng
RT: 14.057 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142618.D
Acq: 04 Jun 2025 20:47

Instrument :
BNA_F
ClientSampleId :

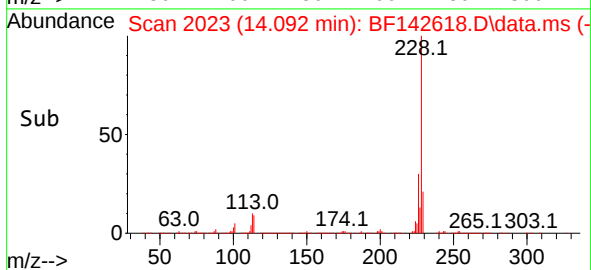
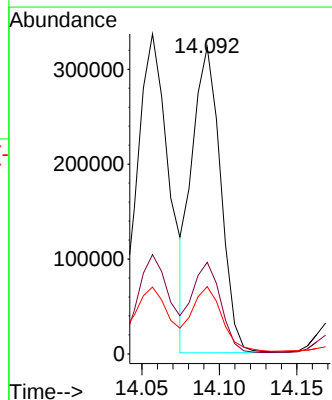
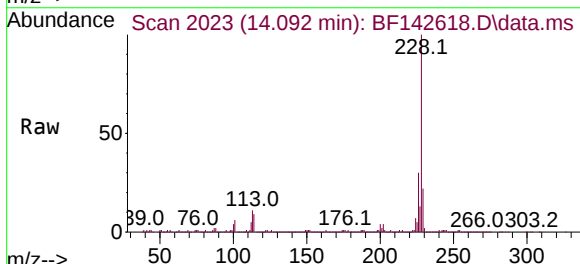


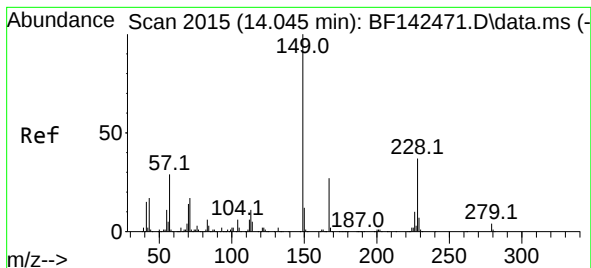
Tgt Ion:228 Resp: 496244
Ion Ratio Lower Upper
228 100
226 31.0 21.2 31.8
229 20.9 15.5 23.3



#83
Chrysene
Concen: 25.080 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF142618.D
Acq: 04 Jun 2025 20:47

Tgt Ion:228 Resp: 413333
Ion Ratio Lower Upper
228 100
226 29.9 23.8 35.6
229 21.9 15.4 23.2



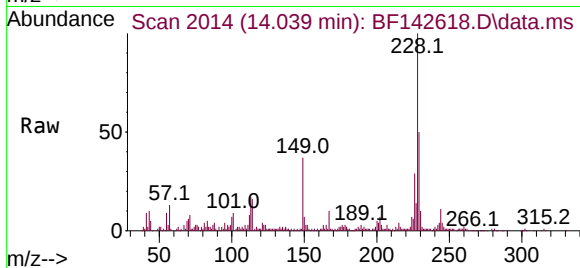


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.818 ng
RT: 14.039 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF142618.D
Acq: 04 Jun 2025 20:47

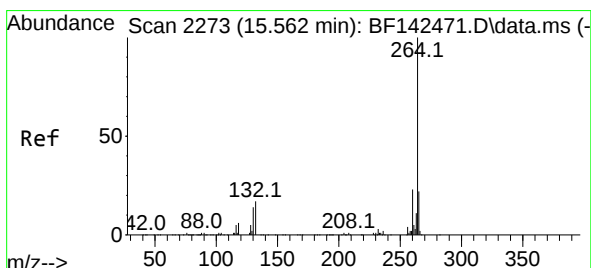
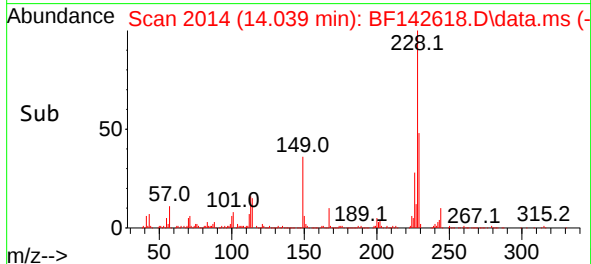
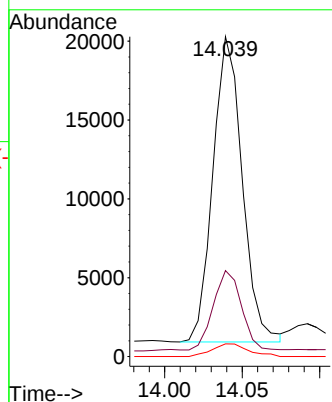
Instrument :

BNA_F

ClientSampleId :

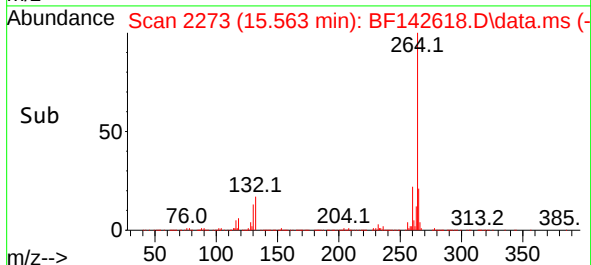
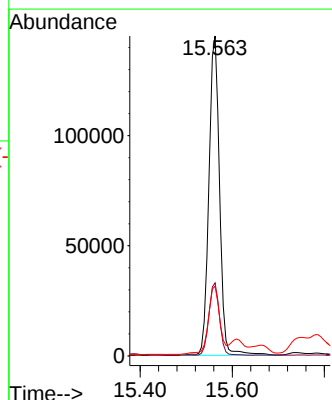
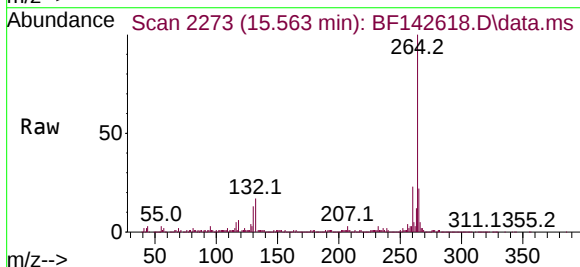


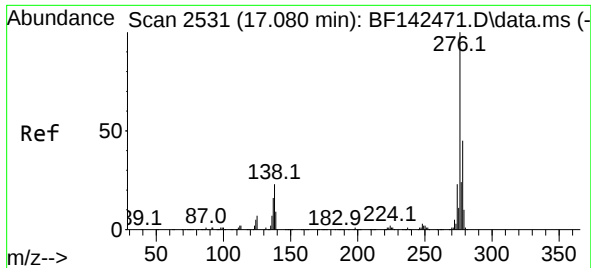
Tgt Ion:149 Resp: 25542
Ion Ratio Lower Upper
149 100
167 26.9 21.5 32.3
279 4.0 3.2 4.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142618.D
Acq: 04 Jun 2025 20:47

Tgt Ion:264 Resp: 232393
Ion Ratio Lower Upper
264 100
260 22.8 18.6 28.0
265 21.8 17.7 26.5

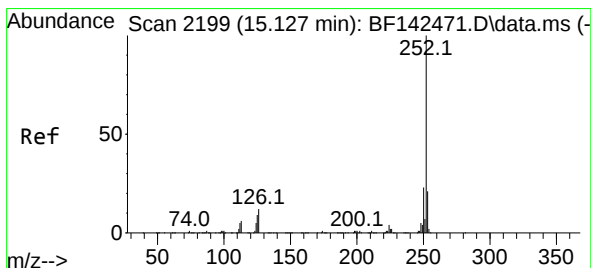
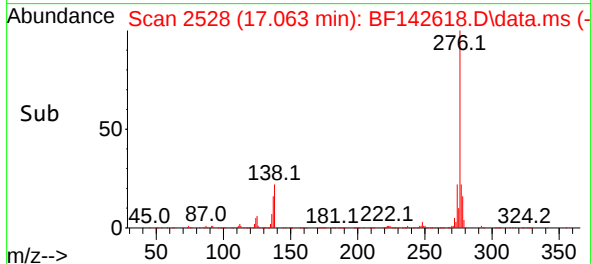
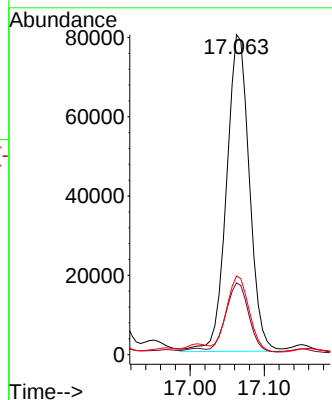
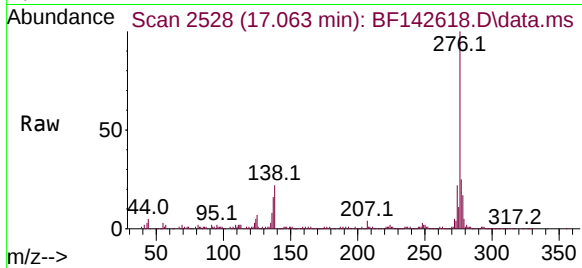




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.793 ng
 RT: 17.063 min Scan# 2198
 Delta R.T. -0.029 min
 Lab File: BF142618.D
 Acq: 04 Jun 2025 20:47

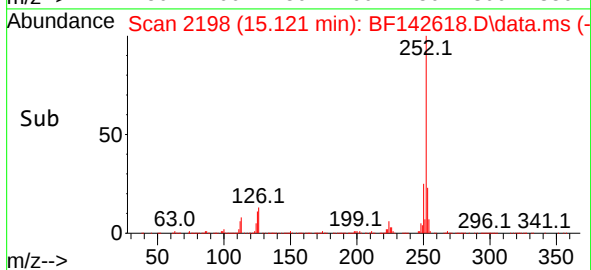
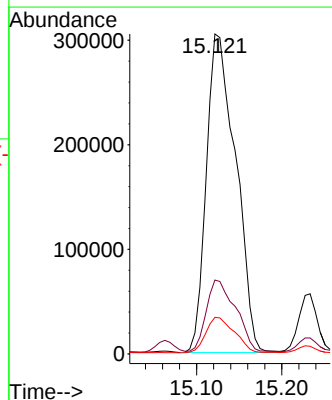
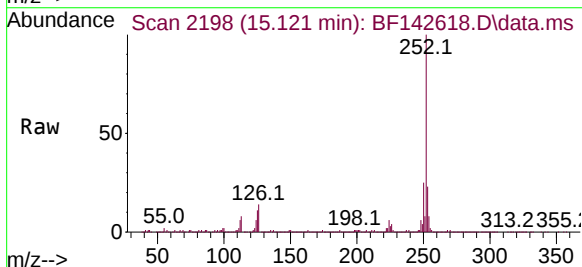
Instrument :
 BNA_F
 ClientSampleId :

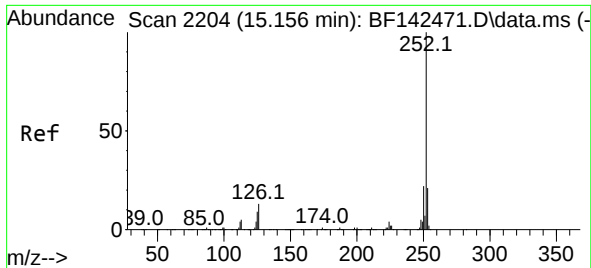
Tgt Ion:276 Resp: 170851
 Ion Ratio Lower Upper
 276 100
 138 21.6 19.9 29.9
 277 23.8 20.2 30.2



#88
 Benzo(b)fluoranthene
 Concen: 53.105 ng
 RT: 15.121 min Scan# 2198
 Delta R.T. -0.006 min
 Lab File: BF142618.D
 Acq: 04 Jun 2025 20:47

Tgt Ion:252 Resp: 730406
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.0 25.4
 125 11.4 7.4 11.0#

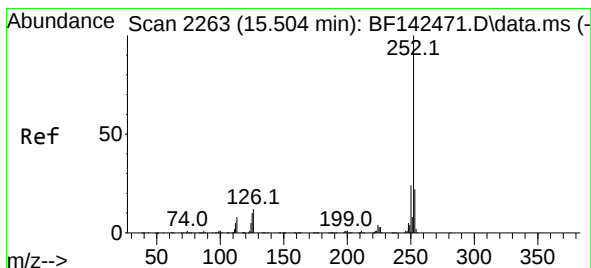
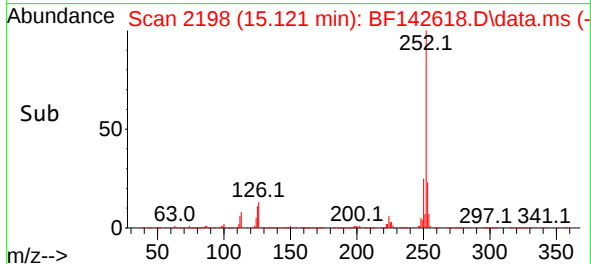
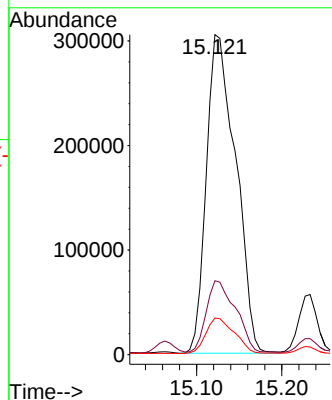
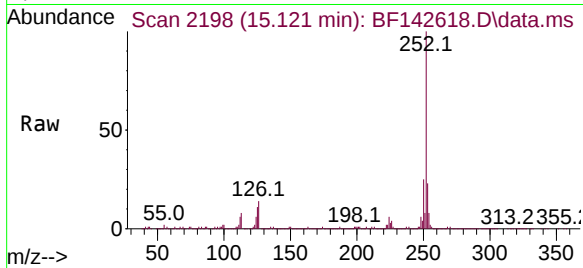




#89
Benzo(k)fluoranthene
Concen: 56.699 ng
RT: 15.121 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF142618.D
Acq: 04 Jun 2025 20:47

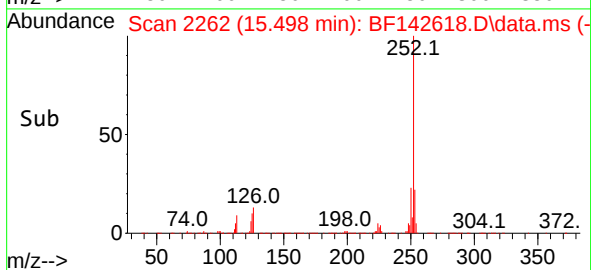
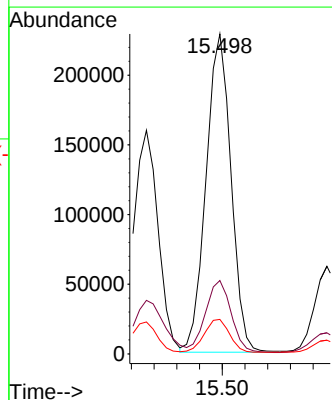
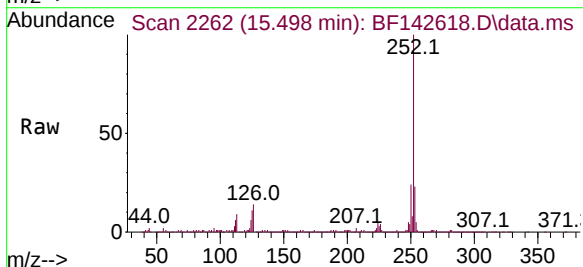
Instrument :
BNA_F
ClientSampleId :

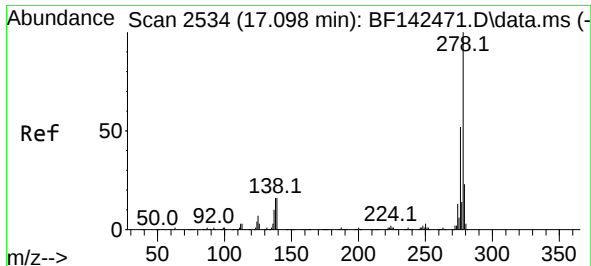
Tgt Ion:252 Resp: 730406
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.4
125 11.4 7.3 10.9#



#90
Benzo(a)pyrene
Concen: 26.941 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.012 min
Lab File: BF142618.D
Acq: 04 Jun 2025 20:47

Tgt Ion:252 Resp: 349273
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 10.8 7.9 11.9

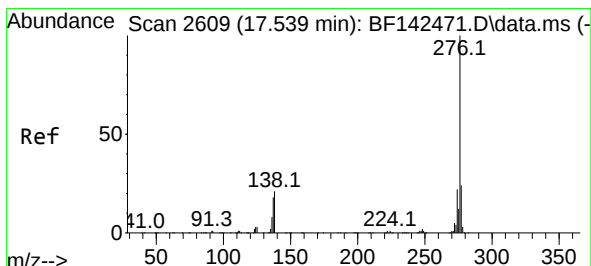
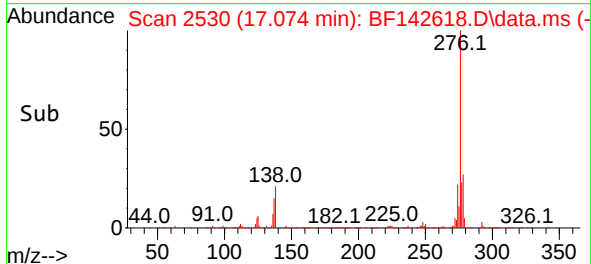
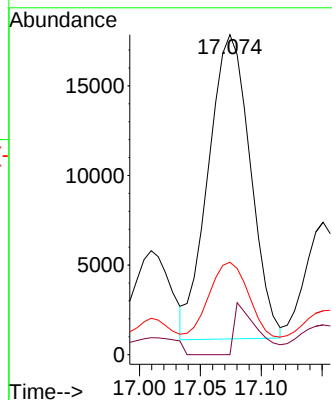
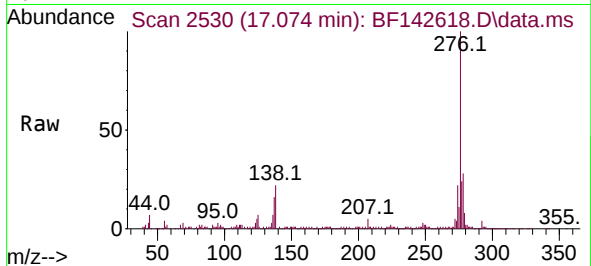




#91
Dibenzo(a,h)anthracene
Concen: 2.886 ng
RT: 17.074 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF142618.D
Acq: 04 Jun 2025 20:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 40836
Ion Ratio Lower Upper
278 100
139 0.0 12.8 19.2#
279 28.9 18.6 28.0#



#92
Benzo(g,h,i)perylene
Concen: 11.402 ng
RT: 17.521 min Scan# 2606
Delta R.T. -0.035 min
Lab File: BF142618.D
Acq: 04 Jun 2025 20:47

Tgt Ion:276 Resp: 161371
Ion Ratio Lower Upper
276 100
277 24.1 19.2 28.8
138 22.4 16.8 25.2

