

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
 Data File : BF142513.D
 Acq On : 22 May 2025 16:34
 Operator : RC/JU
 Sample : Q2074-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-12

Quant Time: May 23 01:22:01 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)

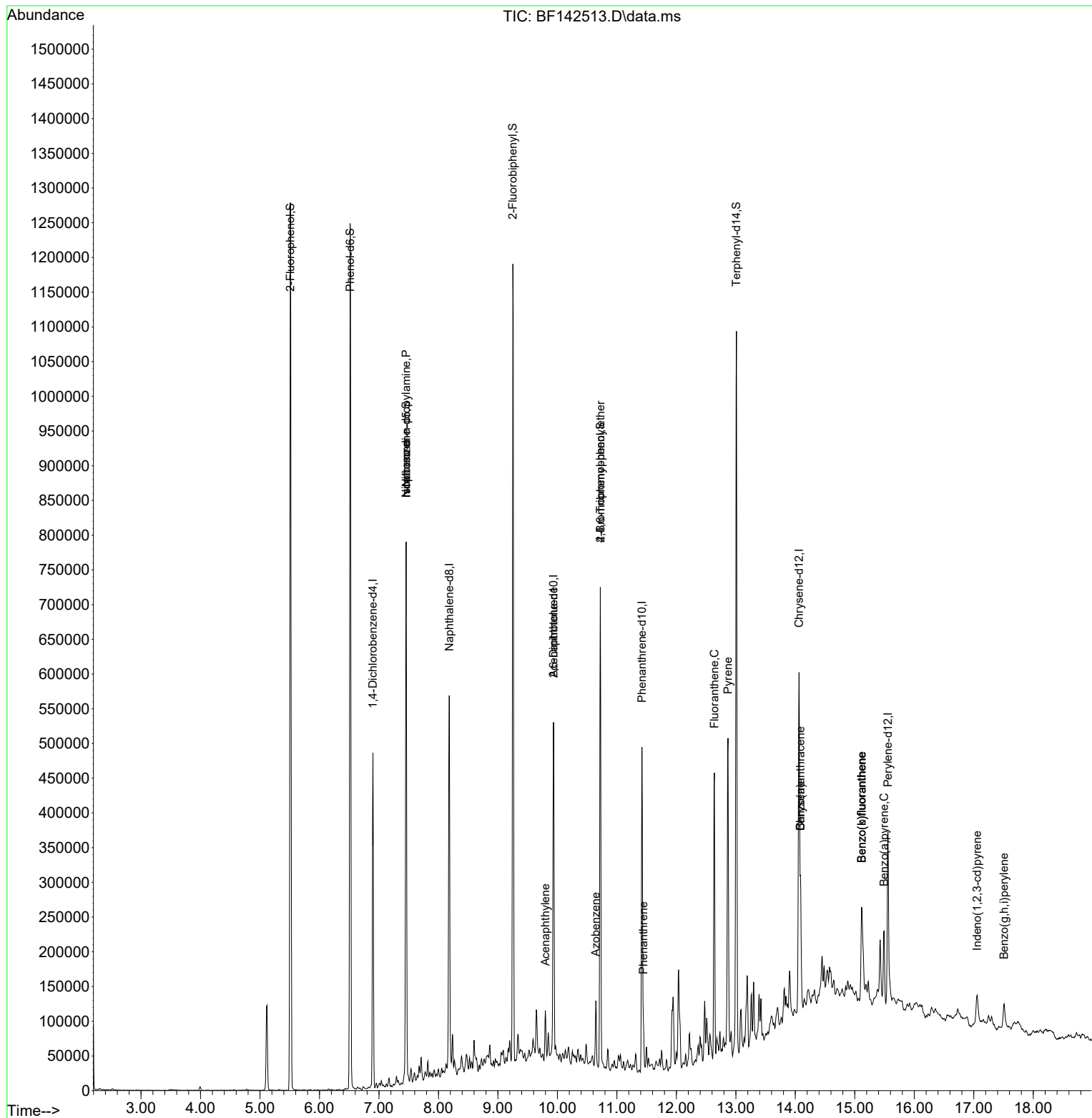
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	100796	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	331984	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	141613	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	236489	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	182992	20.000	ng	-0.01
86) Perylene-d12	15.557	264	150268	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	494096	82.586	ng	0.00
7) Phenol-d6	6.516	99	574621	79.788	ng	-0.02
23) Nitrobenzene-d5	7.457	82	319194	52.428	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	116500	74.122	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	516485	48.940	ng	-0.02
79) Terphenyl-d14	13.010	244	504282	37.659	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	43668	9.784	ng	# 78
25) Isophorone	7.457	82	301240	29.594	ng	# 63
49) Acenaphthylene	9.798	152	31014	2.263	ng	96
51) 2,6-Dinitrotoluene	9.934	165	18318	9.083	ng	# 28
63) Azobenzene	10.645	77	20496	2.501	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	7561	2.704	ng	# 1
71) Phenanthrene	11.445	178	36032	2.851	ng	98
75) Fluoranthene	12.639	202	237713	20.129	ng	100
78) Pyrene	12.869	202	269306	15.776	ng	99
81) Benzo(a)anthracene	14.086	228	102605	8.397	ng	94
83) Chrysene	14.086	228	102605	9.345	ng	98
87) Indeno(1,2,3-cd)pyrene	17.057	276	33902	3.005	ng	97
88) Benzo(b)fluoranthene	15.116	252	119247	13.408	ng	# 96
89) Benzo(k)fluoranthene	15.116	252	119247	14.316	ng	# 95
90) Benzo(a)pyrene	15.492	252	64411	7.683	ng	# 97
92) Benzo(g,h,i)perylene	17.510	276	31581	3.451	ng	97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
Data File : BF142513.D
Acq On : 22 May 2025 16:34
Operator : RC/JU
Sample : Q2074-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-12

Quant Time: May 23 01:22:01 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

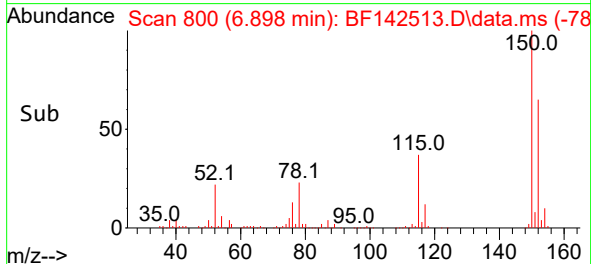
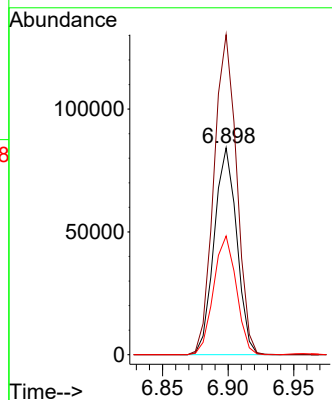
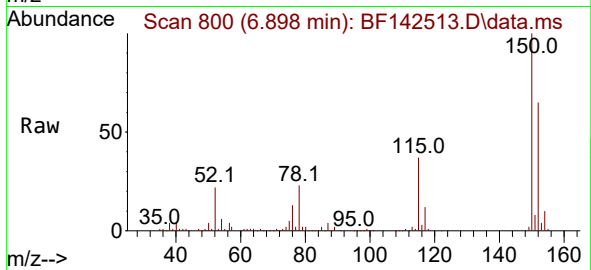




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142513.D
Acq: 22 May 2025 16:34

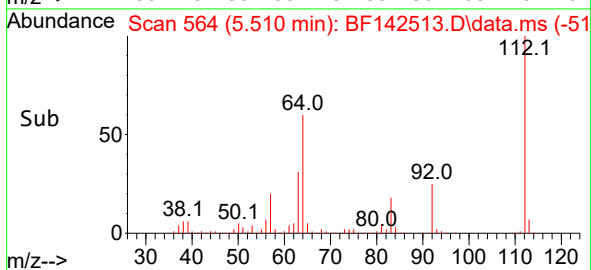
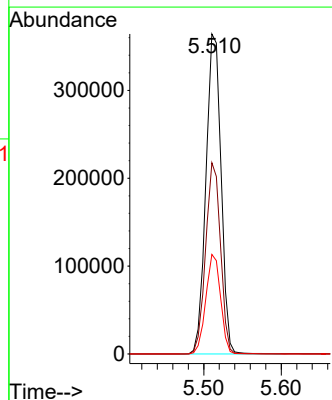
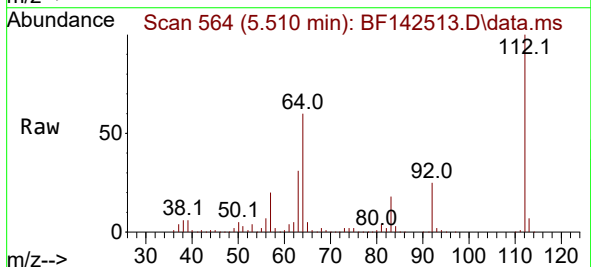
Instrument :
BNA_F
ClientSampleId :
TP-12

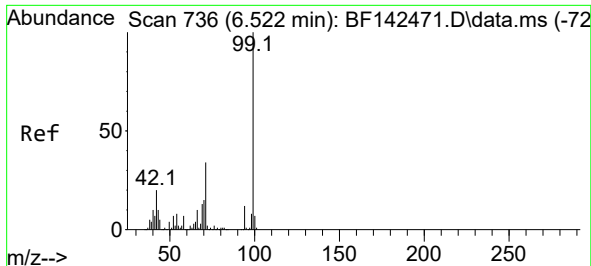
Tgt Ion:152 Resp: 100796
Ion Ratio Lower Upper
152 100
150 154.6 128.2 192.4
115 57.4 48.3 72.5



#5
2-Fluorophenol
Concen: 82.586 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142513.D
Acq: 22 May 2025 16:34

Tgt Ion:112 Resp: 494096
Ion Ratio Lower Upper
112 100
64 59.7 47.5 71.3
63 31.1 24.9 37.3

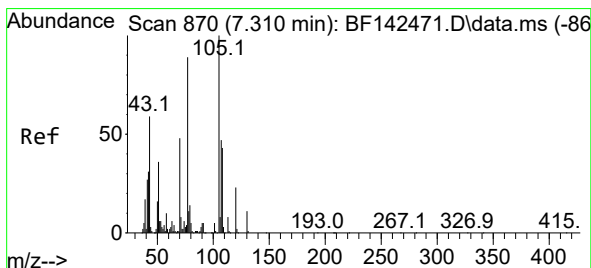
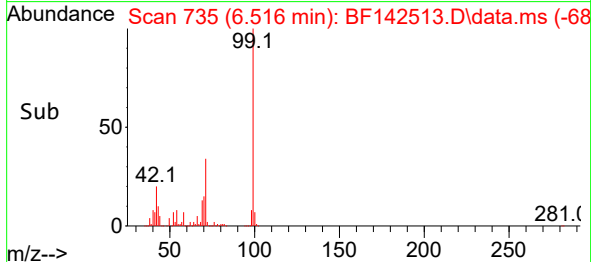
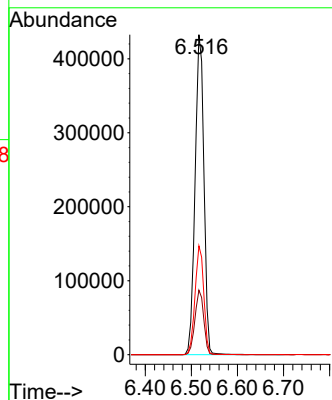
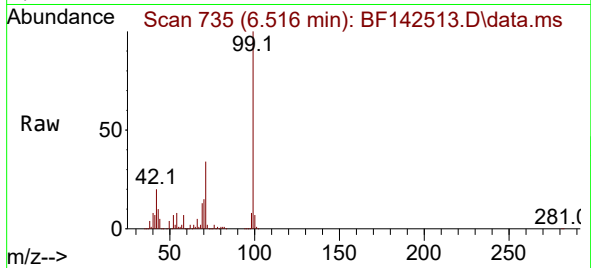




#7
Phenol-d6
Concen: 79.788 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF142513.D
Acq: 22 May 2025 16:34

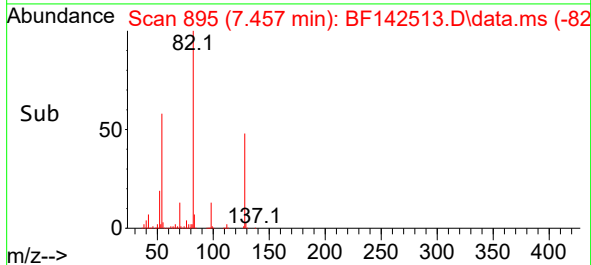
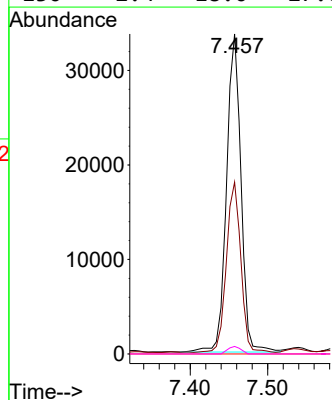
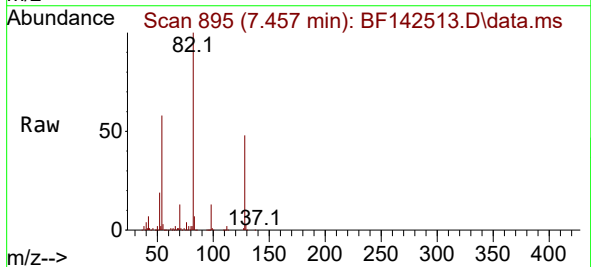
Instrument :
BNA_F
ClientSampleId :
TP-12

Tgt Ion: 99 Resp: 574621
Ion Ratio Lower Upper
99 100
42 20.2 16.2 24.2
71 34.0 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 9.784 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.130 min
Lab File: BF142513.D
Acq: 22 May 2025 16:34

Tgt Ion: 70 Resp: 43668
Ion Ratio Lower Upper
70 100
42 53.7 52.4 78.6
101 0.0 7.8 11.8#
130 2.4 18.0 27.0#



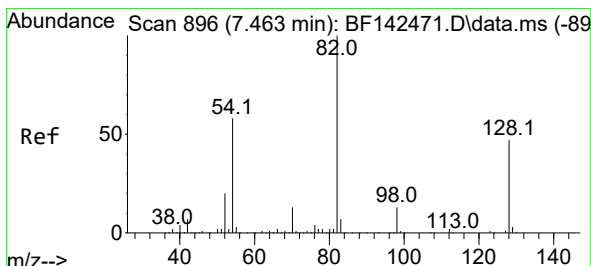
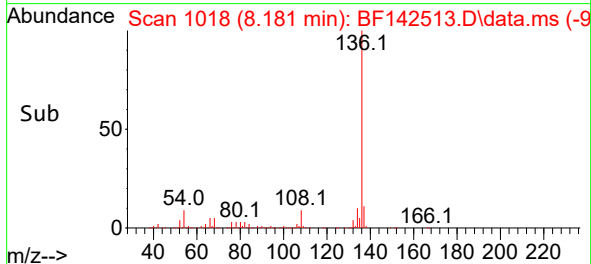
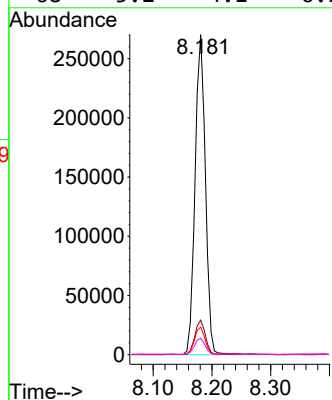
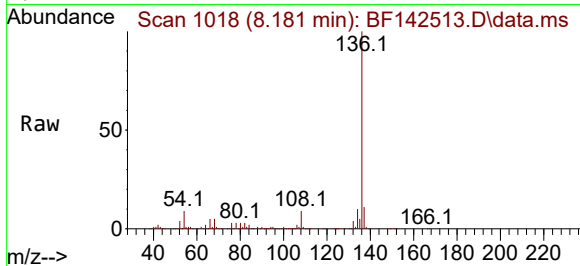


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142513.D
Acq: 22 May 2025 16:34

Instrument :
BNA_F
ClientSampleId :
TP-12

Tgt Ion:136 Resp: 331984

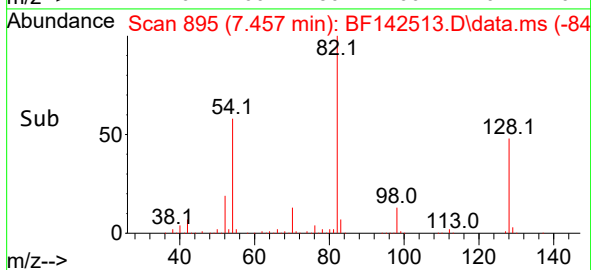
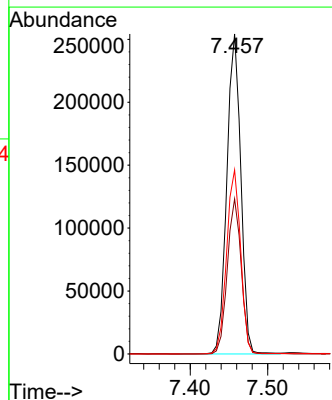
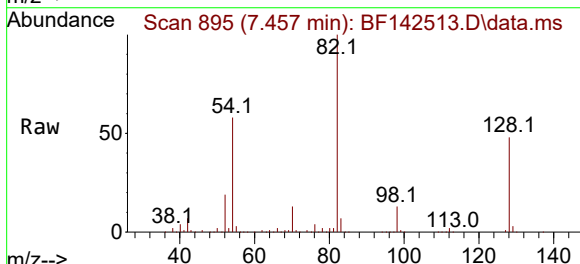
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.6	6.6	10.0
68	5.2	4.1	6.1



#23
Nitrobenzene-d5
Concen: 52.428 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.017 min
Lab File: BF142513.D
Acq: 22 May 2025 16:34

Tgt Ion: 82 Resp: 319194

Ion	Ratio	Lower	Upper
82	100		
128	48.4	37.4	56.2
54	57.5	46.6	70.0

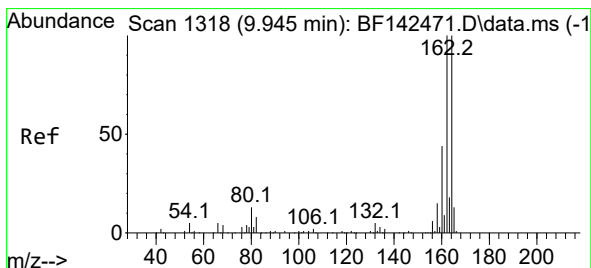
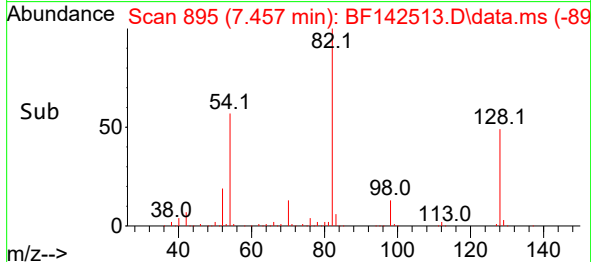
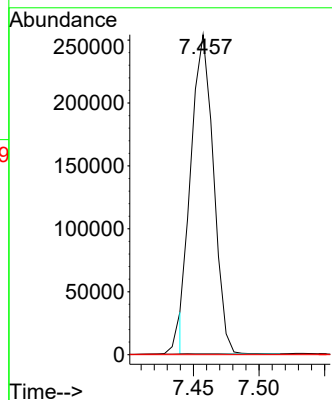
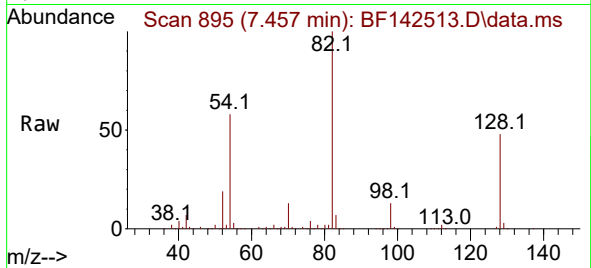




#25
Isophorone
Concen: 29.594 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.276 min
Lab File: BF142513.D
Acq: 22 May 2025 16:34

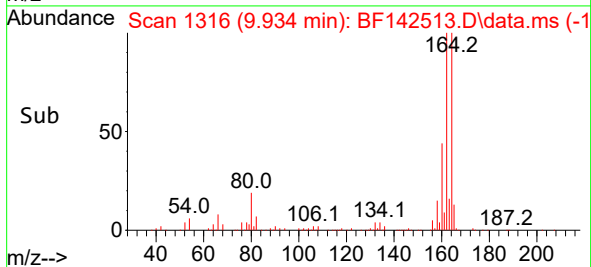
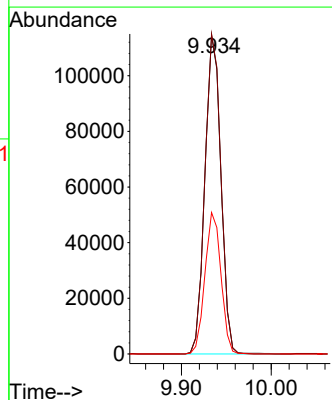
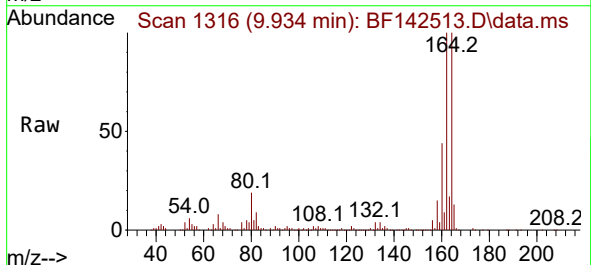
Instrument :
BNA_F
ClientSampleId :
TP-12

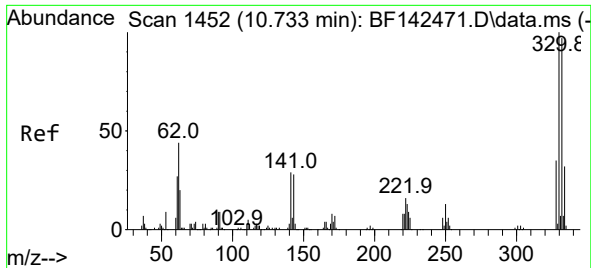
Tgt Ion: 82 Resp: 301240
Ion Ratio Lower Upper
82 100
95 0.3 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142513.D
Acq: 22 May 2025 16:34

Tgt Ion:164 Resp: 141613
Ion Ratio Lower Upper
164 100
162 100.4 80.2 120.4
160 44.4 35.6 53.4

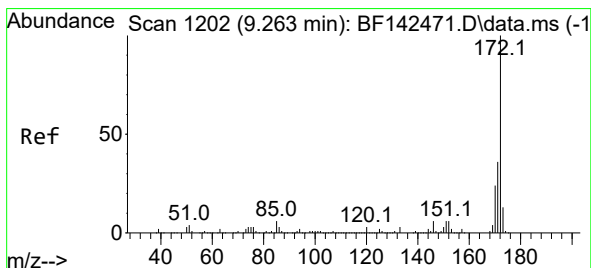
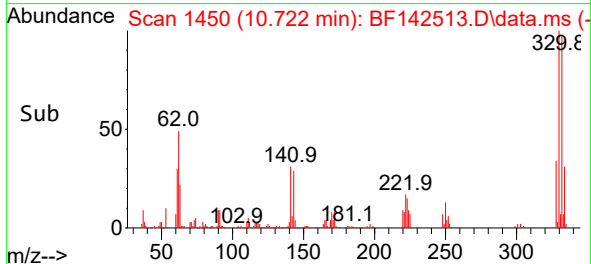
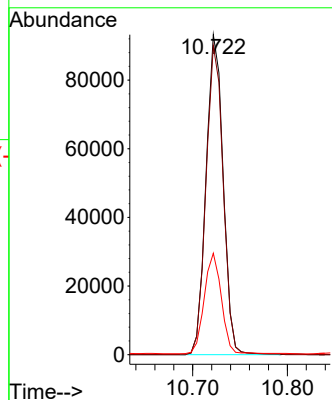
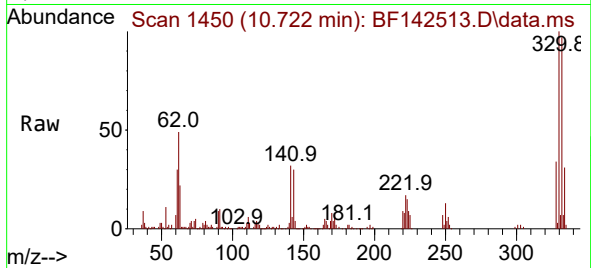




#42
2,4,6-Tribromophenol
Concen: 74.122 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.017 min
Lab File: BF142513.D
Acq: 22 May 2025 16:34

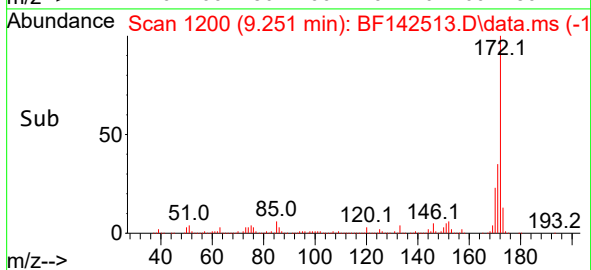
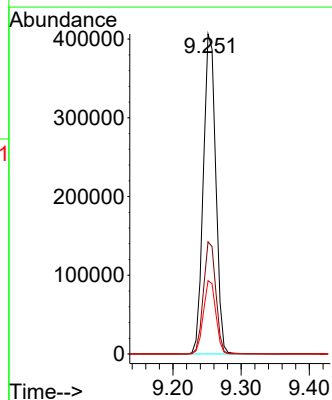
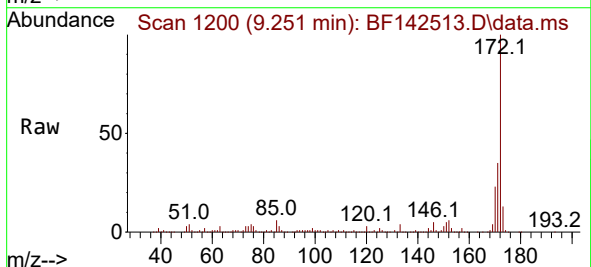
Instrument :
BNA_F
ClientSampleId :
TP-12

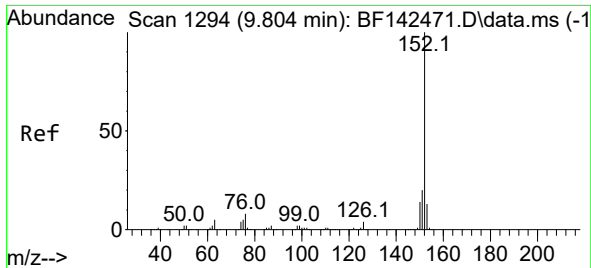
Tgt Ion:330 Resp: 116500
Ion Ratio Lower Upper
330 100
332 97.1 77.6 116.4
141 31.4 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 48.940 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.017 min
Lab File: BF142513.D
Acq: 22 May 2025 16:34

Tgt Ion:172 Resp: 516485
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 22.9 18.9 28.3





#49

Acenaphthylene

Concen: 2.263 ng

RT: 9.798 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF142513.D

Acq: 22 May 2025 16:34

Instrument :

BNA_F

ClientSampleId :

TP-12

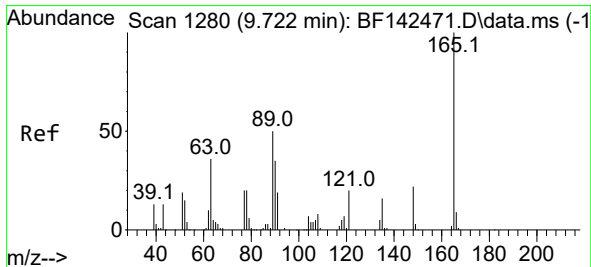
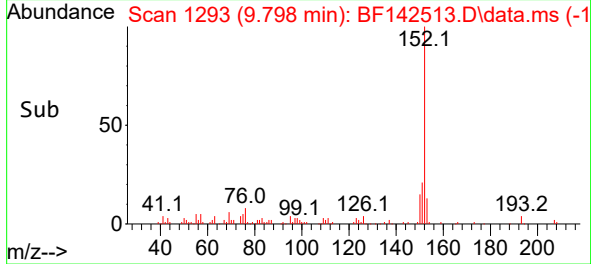
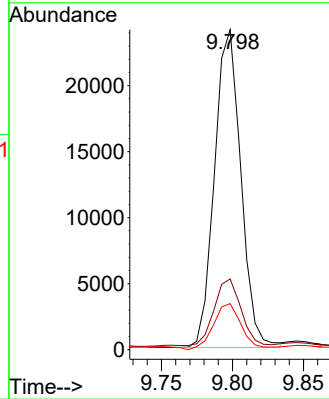
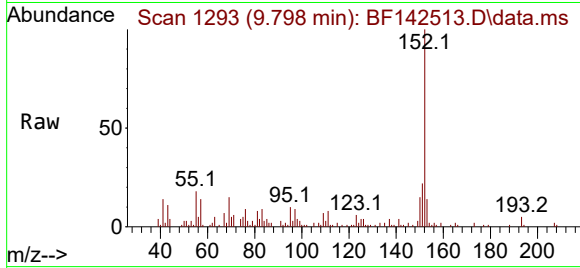
Tgt Ion:152 Resp: 31014

Ion Ratio Lower Upper

152 100

151 22.1 15.8 23.8

153 14.4 10.6 15.8



#51

2,6-Dinitrotoluene

Concen: 9.083 ng

RT: 9.934 min Scan# 1316

Delta R.T. 0.206 min

Lab File: BF142513.D

Acq: 22 May 2025 16:34

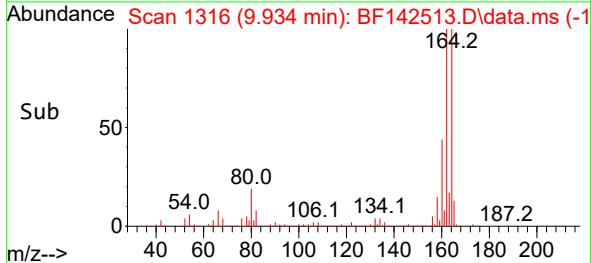
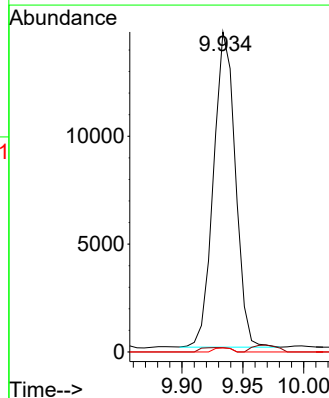
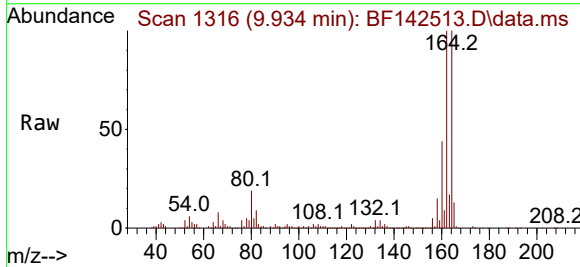
Tgt Ion:165 Resp: 18318

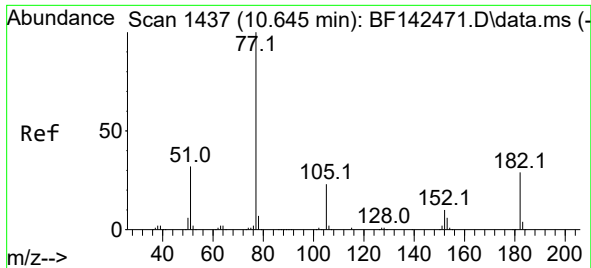
Ion Ratio Lower Upper

165 100

63 1.4 42.9 64.3#

89 1.3 40.2 60.4#

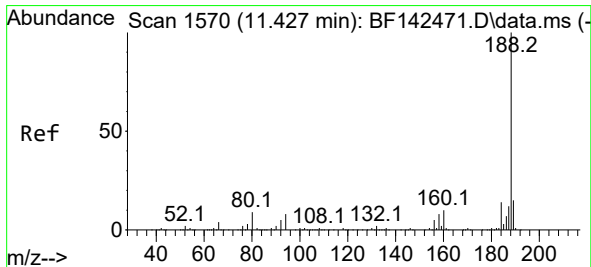
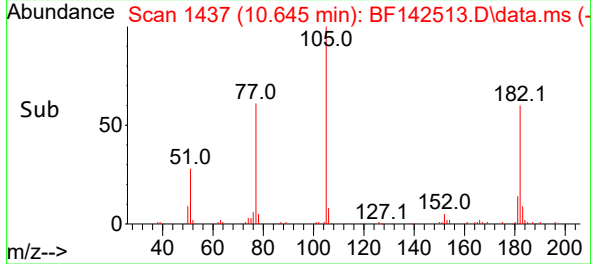
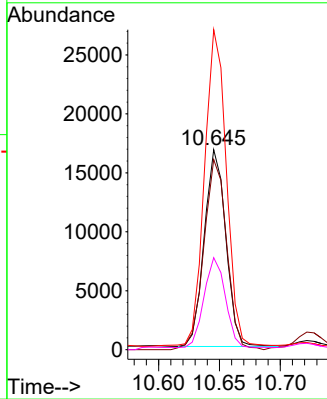
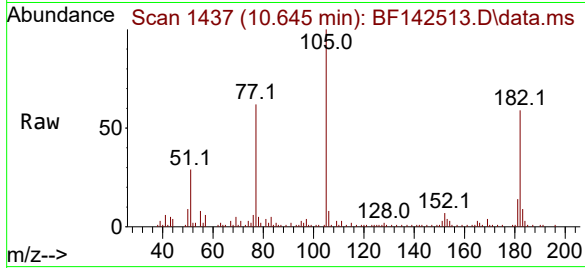




#63
Azobenzene
Concen: 2.501 ng
RT: 10.645 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BF142513.D
Acq: 22 May 2025 16:34

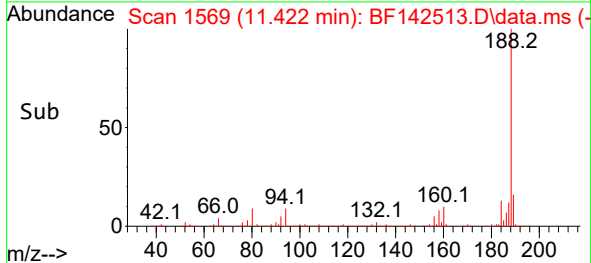
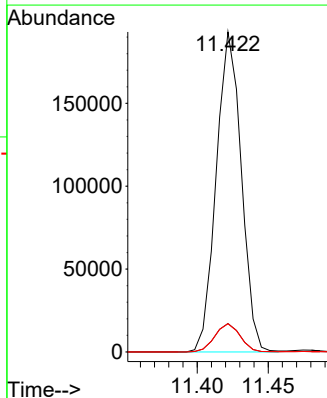
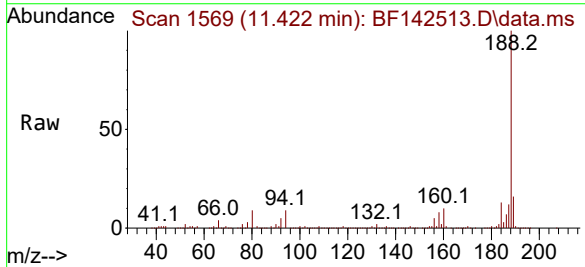
Instrument :
BNA_F
ClientSampleId :
TP-12

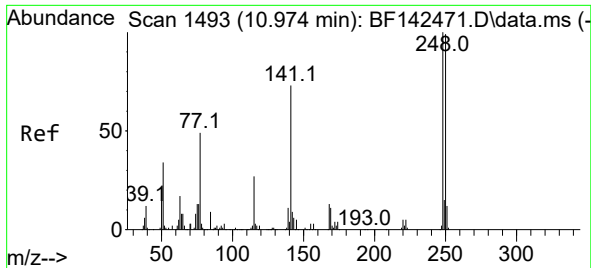
Tgt Ion:	77	Resp:	20496
Ion Ratio	Lower	Upper	
77	100		
182	95.0	9.0	49.0#
105	160.0	2.4	42.4#
51	46.0	13.5	53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142513.D
Acq: 22 May 2025 16:34

Tgt Ion:	188	Resp:	236489
Ion Ratio	Lower	Upper	
188	100		
94	8.9	6.6	10.0
80	8.8	7.4	11.0

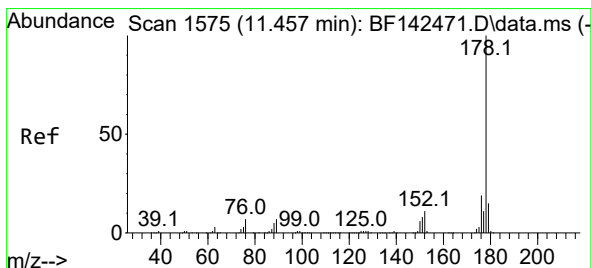
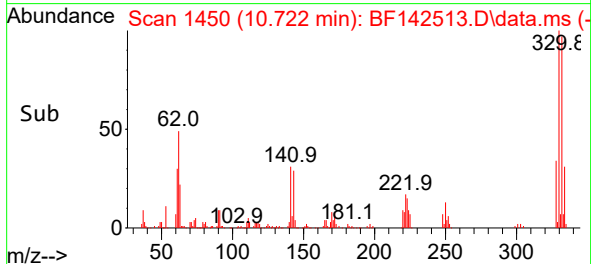
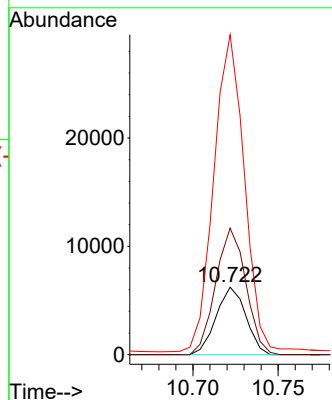
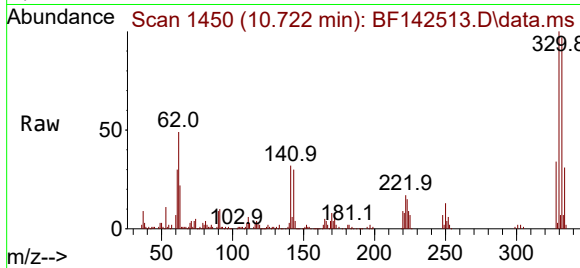




#67
4-Bromophenyl-phenylether
Concen: 2.704 ng
RT: 10.722 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF142513.D
Acq: 22 May 2025 16:34

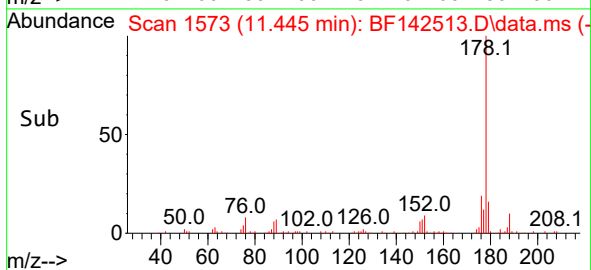
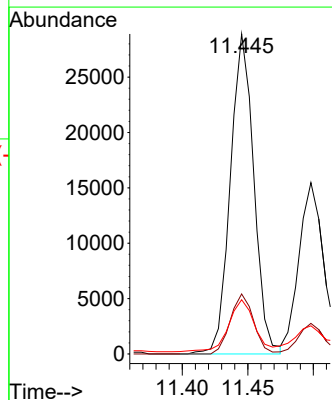
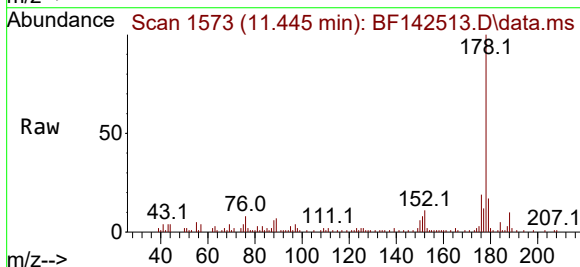
Instrument :
BNA_F
ClientSampleId :
TP-12

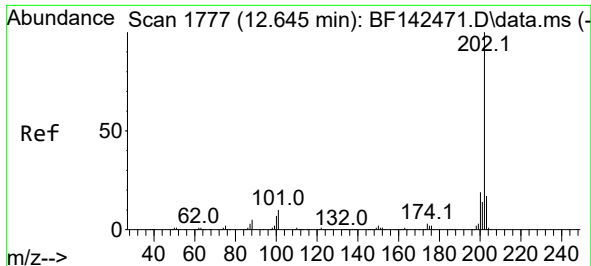
Tgt Ion:248 Resp: 7561
Ion Ratio Lower Upper
248 100
250 187.6 79.0 118.4#
141 474.1 58.4 87.6#



#71
Phenanthrene
Concen: 2.851 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF142513.D
Acq: 22 May 2025 16:34

Tgt Ion:178 Resp: 36032
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 16.9 12.3 18.5

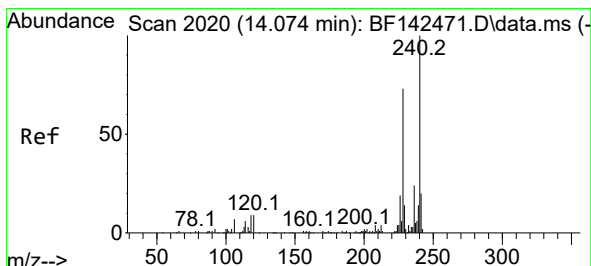
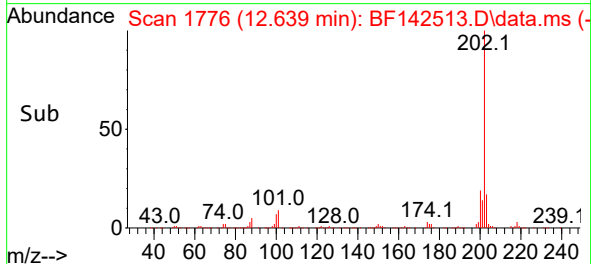
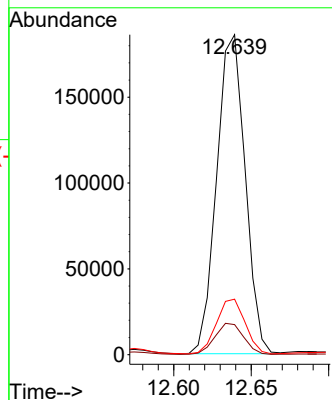
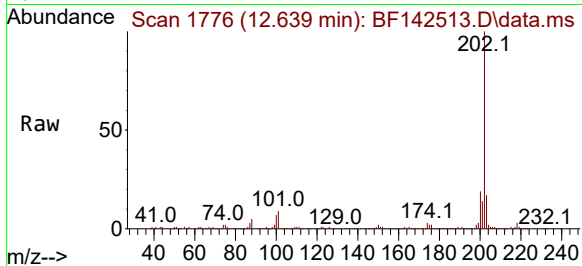




#75
Fluoranthene
Concen: 20.129 ng
RT: 12.639 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142513.D
Acq: 22 May 2025 16:34

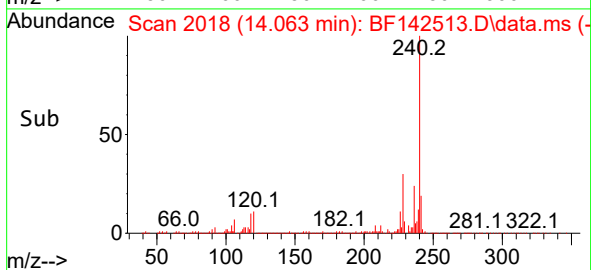
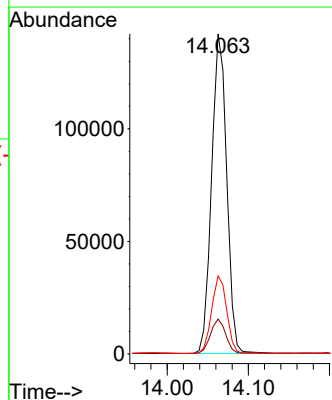
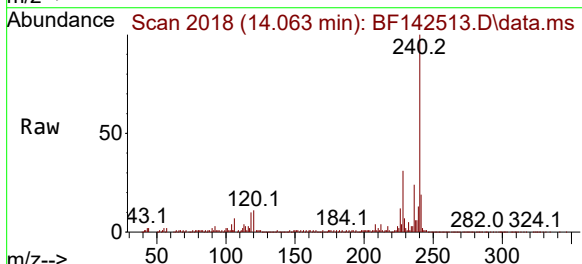
Instrument :
BNA_F
ClientSampleId :
TP-12

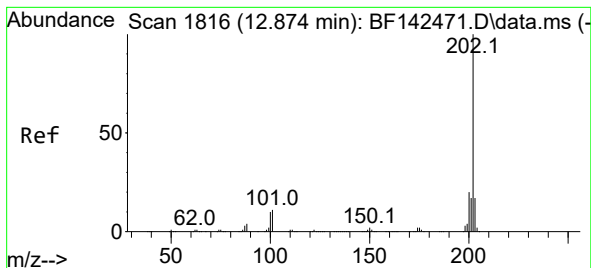
Tgt Ion:202 Resp: 237713
Ion Ratio Lower Upper
202 100
101 9.4 0.0 29.6
203 17.3 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142513.D
Acq: 22 May 2025 16:34

Tgt Ion:240 Resp: 182992
Ion Ratio Lower Upper
240 100
120 10.9 7.5 11.3
236 24.4 19.6 29.4





#78

Pyrene

Concen: 15.776 ng

RT: 12.869 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF142513.D

Acq: 22 May 2025 16:34

Instrument :

BNA_F

ClientSampleId :

TP-12

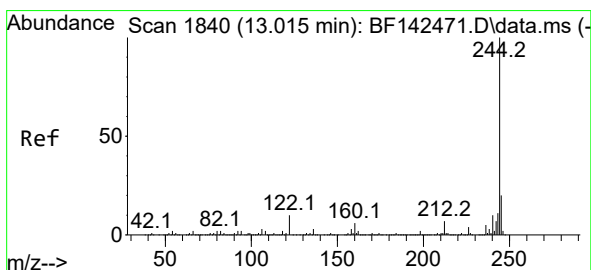
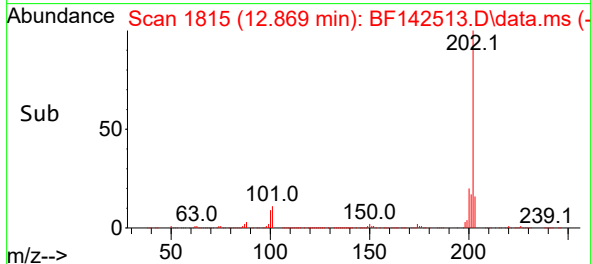
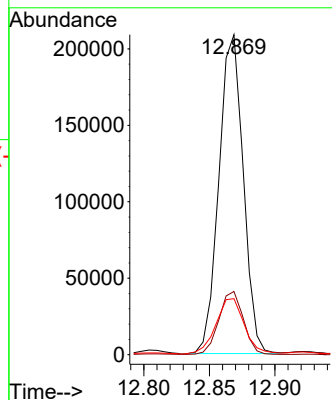
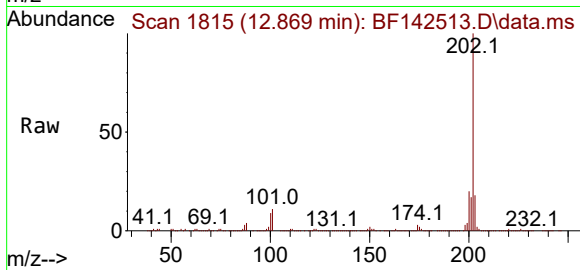
Tgt Ion:202 Resp: 269306

Ion Ratio Lower Upper

202 100

200 19.7 16.1 24.1

203 17.5 13.9 20.9



#79

Terphenyl-d14

Concen: 37.659 ng

RT: 13.010 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF142513.D

Acq: 22 May 2025 16:34

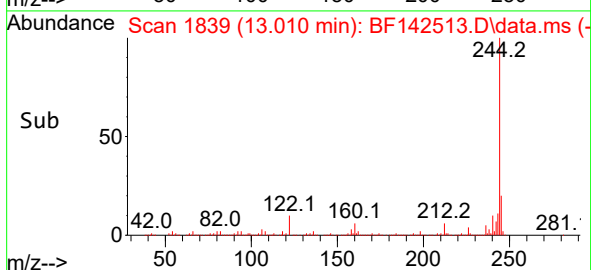
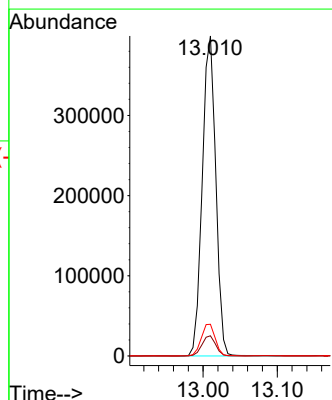
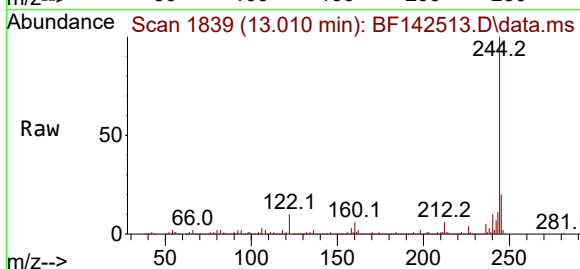
Tgt Ion:244 Resp: 504282

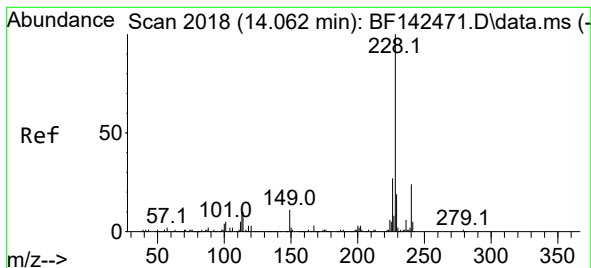
Ion Ratio Lower Upper

244 100

212 6.3 5.3 7.9

122 9.9 8.2 12.2





#81

Benzo(a)anthracene

Concen: 8.397 ng

RT: 14.086 min Scan# 2022

Delta R.T. 0.024 min

Lab File: BF142513.D

Acq: 22 May 2025 16:34

Instrument :

BNA_F

ClientSampleId :

TP-12

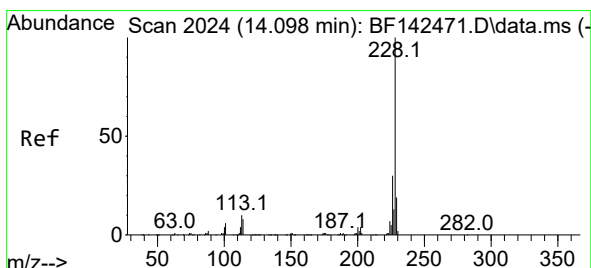
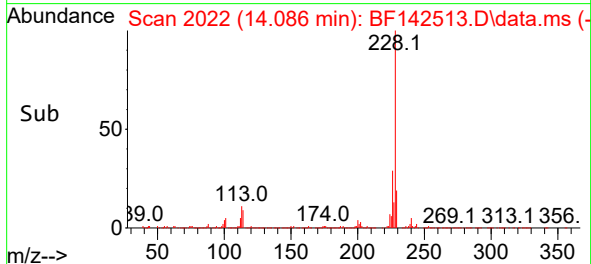
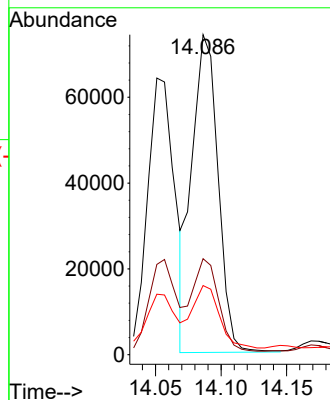
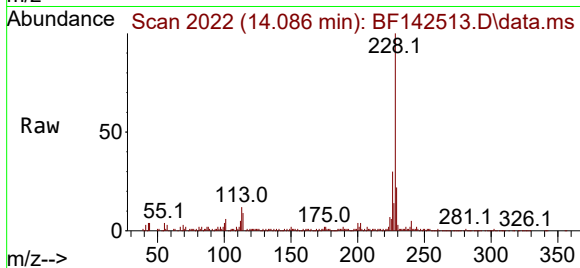
Tgt Ion:228 Resp: 102605

Ion Ratio Lower Upper

228 100

226 30.0 21.2 31.8

229 21.6 15.5 23.3



#83

Chrysene

Concen: 9.345 ng

RT: 14.086 min Scan# 2022

Delta R.T. -0.017 min

Lab File: BF142513.D

Acq: 22 May 2025 16:34

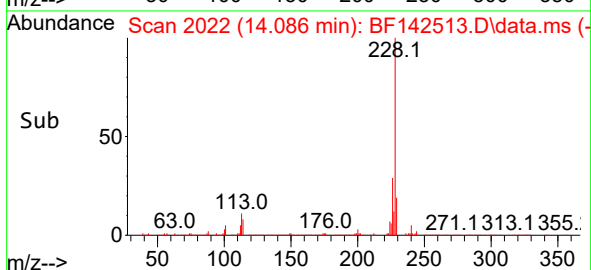
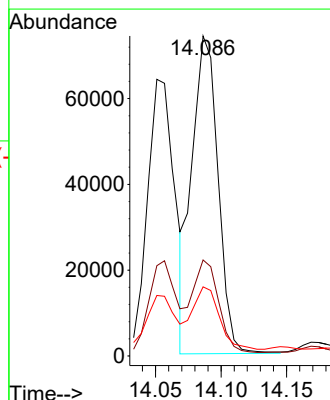
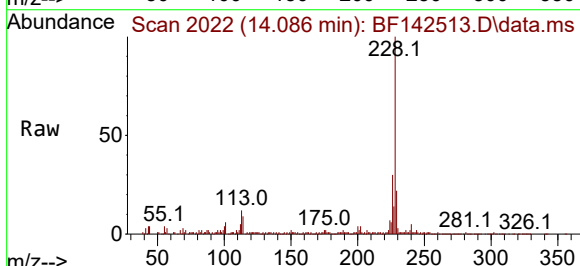
Tgt Ion:228 Resp: 102605

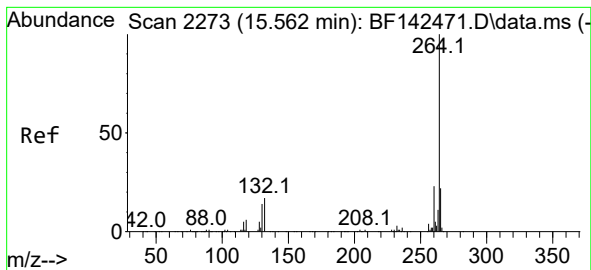
Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.6

229 21.6 15.4 23.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF142513.D

Acq: 22 May 2025 16:34

Instrument :

BNA_F

ClientSampleId :

TP-12

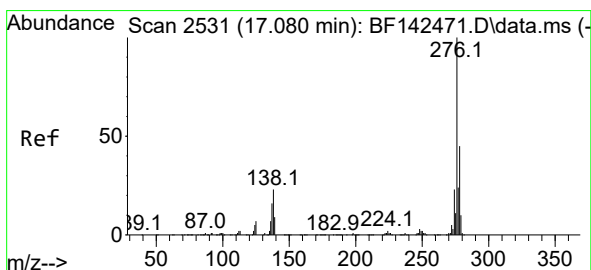
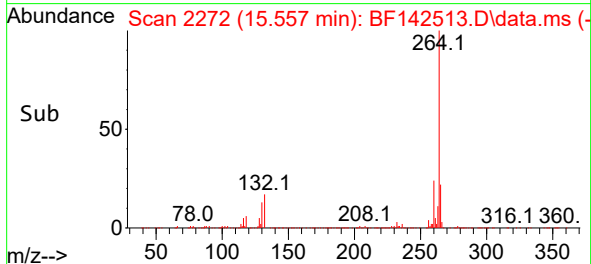
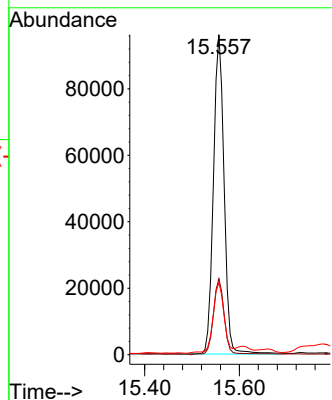
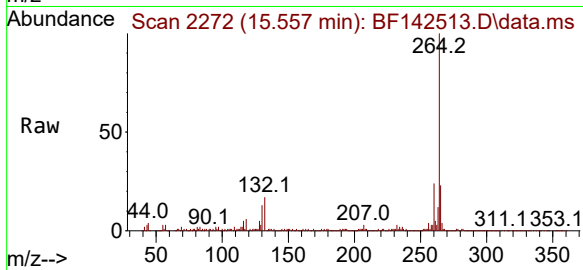
Tgt Ion:264 Resp: 150268

Ion Ratio Lower Upper

264 100

260 23.8 18.6 28.0

265 22.5 17.7 26.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.005 ng

RT: 17.057 min Scan# 2527

Delta R.T. -0.035 min

Lab File: BF142513.D

Acq: 22 May 2025 16:34

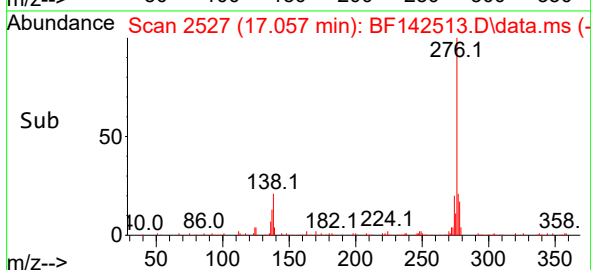
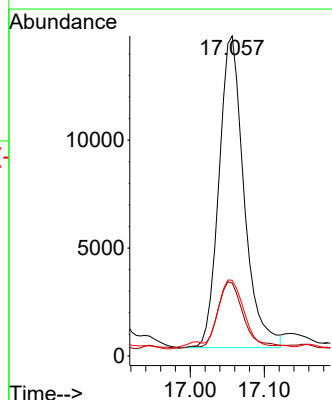
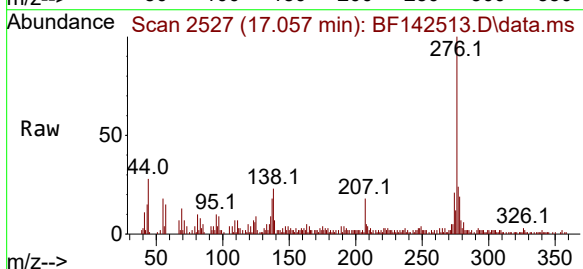
Tgt Ion:276 Resp: 33902

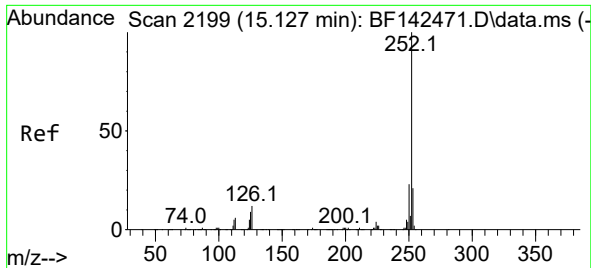
Ion Ratio Lower Upper

276 100

138 22.1 19.9 29.9

277 25.0 20.2 30.2

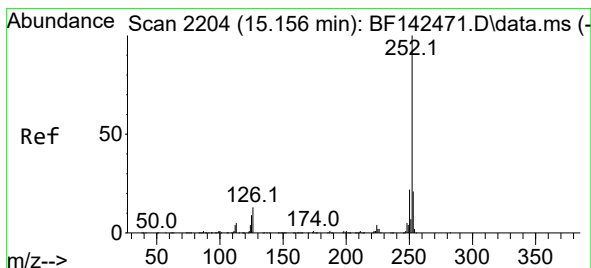
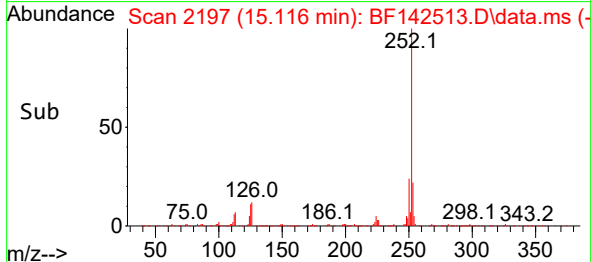
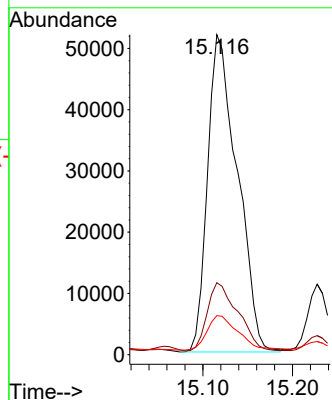
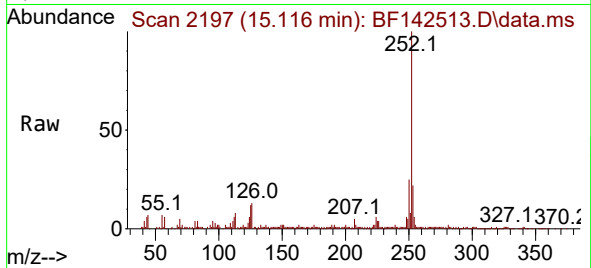




#88
Benzo(b)fluoranthene
Concen: 13.408 ng
RT: 15.116 min Scan# 2197
Delta R.T. -0.012 min
Lab File: BF142513.D
Acq: 22 May 2025 16:34

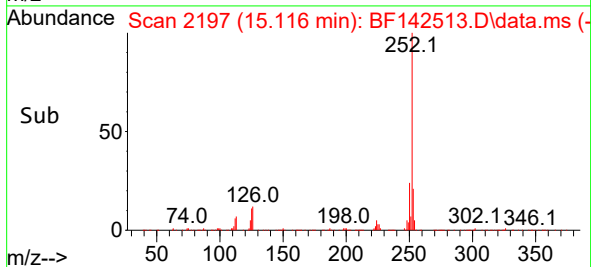
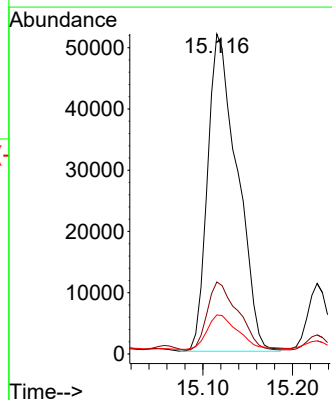
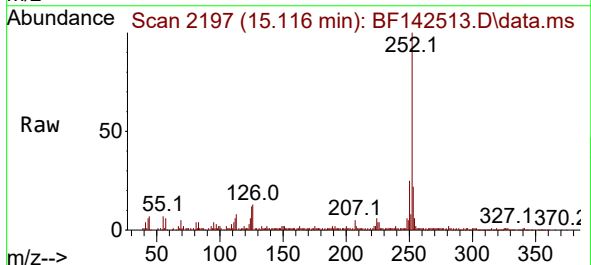
Instrument :
BNA_F
ClientSampleId :
TP-12

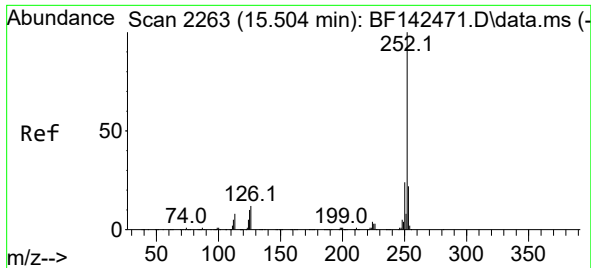
Tgt Ion:252 Resp: 119247
Ion Ratio Lower Upper
252 100
253 22.5 17.0 25.4
125 12.2 7.4 11.0#



#89
Benzo(k)fluoranthene
Concen: 14.316 ng
RT: 15.116 min Scan# 2197
Delta R.T. -0.047 min
Lab File: BF142513.D
Acq: 22 May 2025 16:34

Tgt Ion:252 Resp: 119247
Ion Ratio Lower Upper
252 100
253 22.5 17.0 25.4
125 12.2 7.3 10.9#

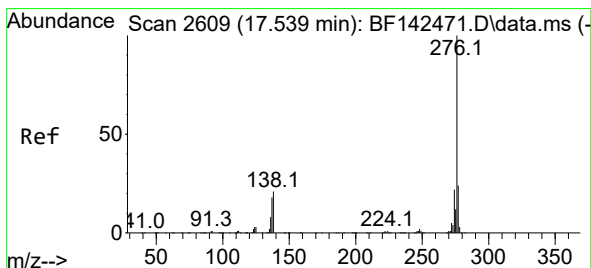
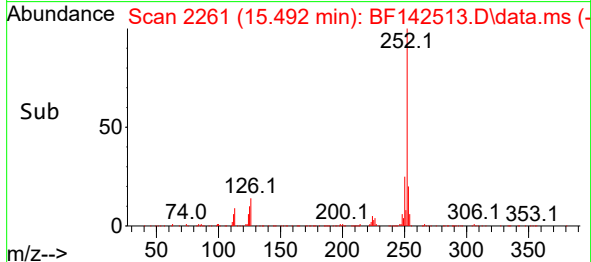
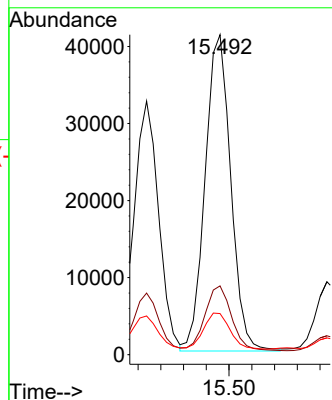
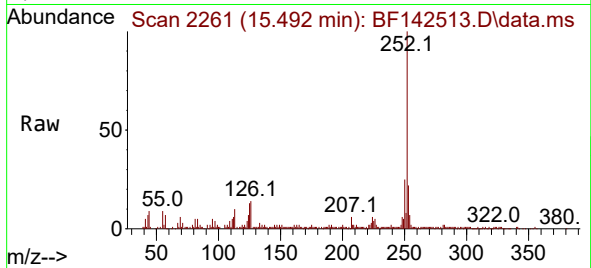




#90
Benzo(a)pyrene
Concen: 7.683 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF142513.D
Acq: 22 May 2025 16:34

Instrument :
BNA_F
ClientSampleId :
TP-12

Tgt Ion:252 Resp: 64411
Ion Ratio Lower Upper
252 100
253 21.5 17.4 26.0
125 12.8 7.9 11.9#



#92
Benzo(g,h,i)perylene
Concen: 3.451 ng
RT: 17.510 min Scan# 2604
Delta R.T. -0.047 min
Lab File: BF142513.D
Acq: 22 May 2025 16:34

Tgt Ion:276 Resp: 31581
Ion Ratio Lower Upper
276 100
277 24.5 19.2 28.8
138 23.1 16.8 25.2

