

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
 Data File : BF142412.D
 Acq On : 16 May 2025 00:58
 Operator : RC/JU
 Sample : Q2010-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-10

Quant Time: May 16 03:03:27 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

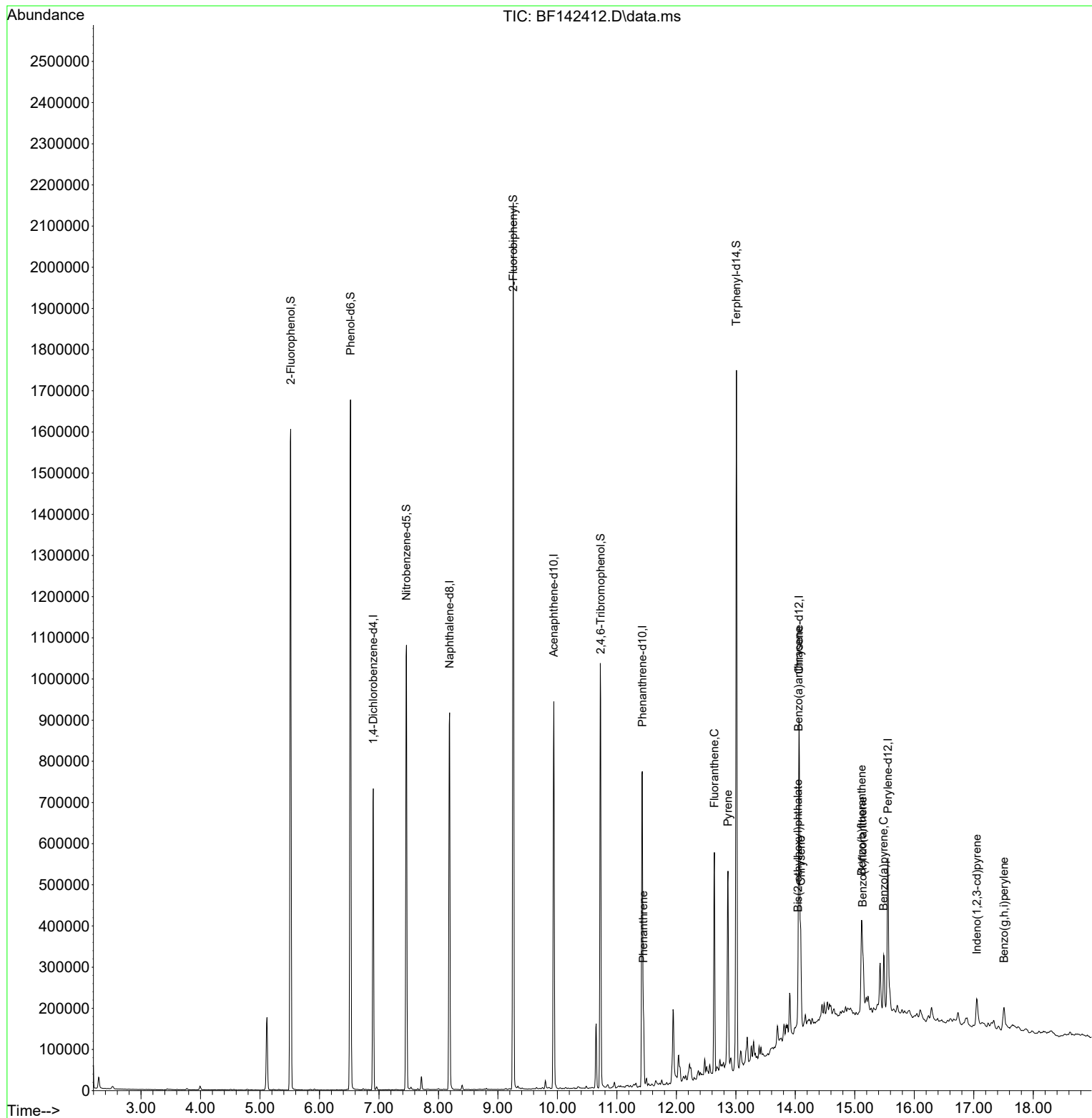
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	160126	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	587497	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	279138	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	408075	20.000	ng	0.00
76) Chrysene-d12	14.062	240	295575	20.000	ng	0.00
86) Perylene-d12	15.557	264	223147	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	630267	67.192	ng	0.00
7) Phenol-d6	6.522	99	782458	67.823	ng	0.00
23) Nitrobenzene-d5	7.463	82	455565	47.291	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	181727	67.431	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	946847	48.366	ng	0.00
79) Terphenyl-d14	13.010	244	813716	40.747	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.445	178	89039	4.163	ng	97
75) Fluoranthene	12.639	202	308467	14.426	ng	98
78) Pyrene	12.868	202	281147	10.686	ng	99
81) Benzo(a)anthracene	14.057	228	115968	6.058	ng	95
83) Chrysene	14.092	228	138136	7.752	ng	98
84) Bis(2-ethylhexyl)phtha...	14.045	149	10202	5.167	ng	# 98
87) Indeno(1,2,3-cd)pyrene	17.051	276	54989	3.542	ng	# 92
88) Benzo(b)fluoranthene	15.115	252	142116m	10.515	ng	
89) Benzo(k)fluoranthene	15.133	252	47700m	3.857	ng	
90) Benzo(a)pyrene	15.486	252	86100	7.109	ng	97
92) Benzo(g,h,i)perylene	17.509	276	52607	4.133	ng	97

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

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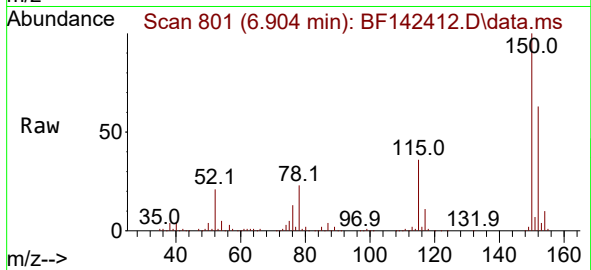
Quant Time: May 16 03:03:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
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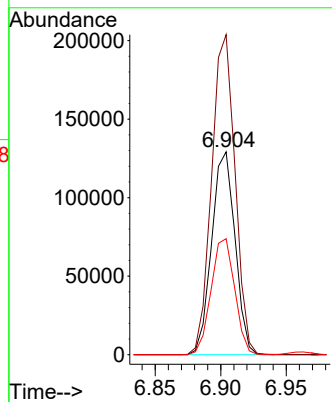
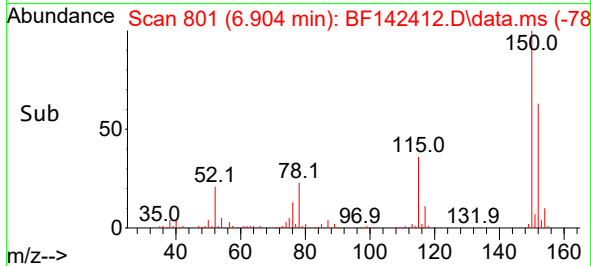


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

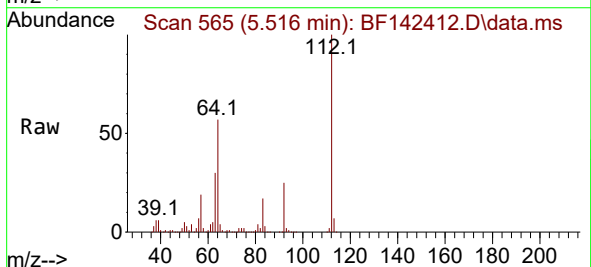
Instrument :
BNA_F
ClientSampleId :
TP-10



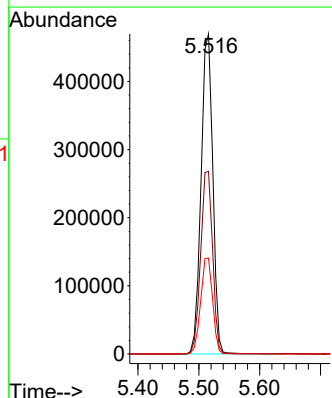
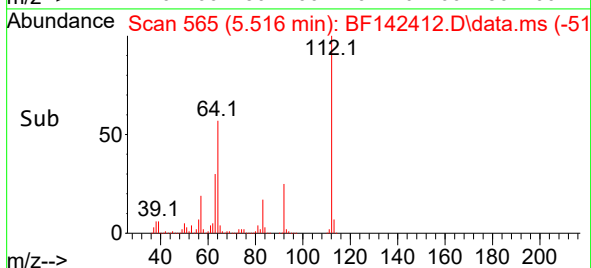
Tgt Ion:152 Resp: 160126
Ion Ratio Lower Upper
152 100
150 157.7 126.6 190.0
115 57.2 47.3 70.9

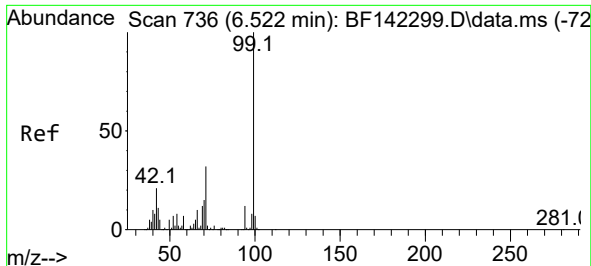


#5
2-Fluorophenol
Concen: 67.192 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58



Tgt Ion:112 Resp: 630267
Ion Ratio Lower Upper
112 100
64 57.1 48.9 73.3
63 29.9 25.6 38.4

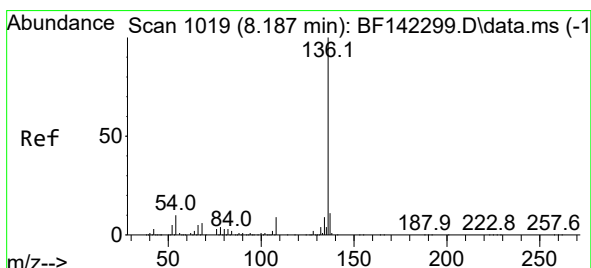
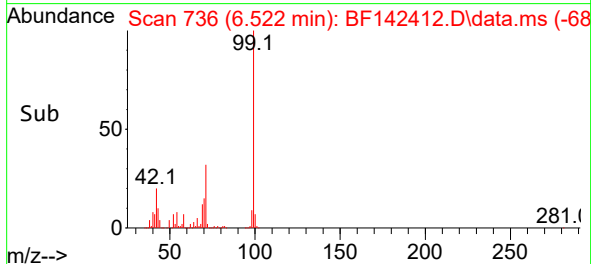
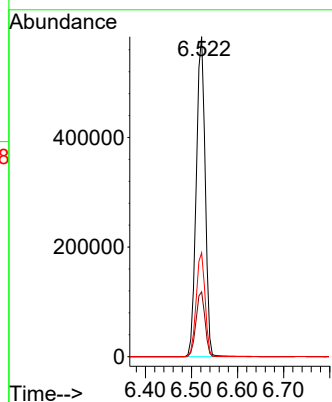
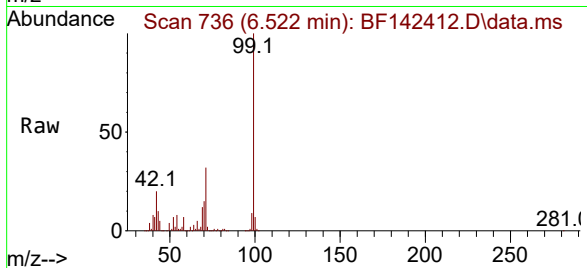




#7
Phenol-d6
Concen: 67.823 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.000 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

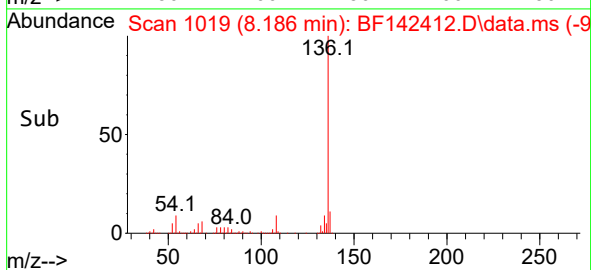
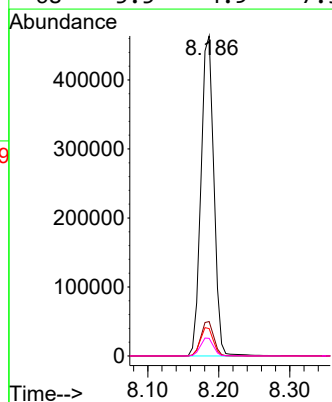
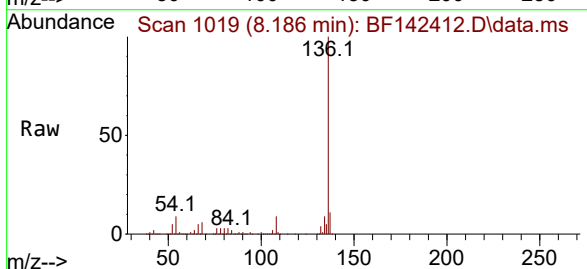
Instrument :
BNA_F
ClientSampleId :
TP-10

Tgt Ion: 99 Resp: 782458
Ion Ratio Lower Upper
99 100
42 20.2 17.0 25.4
71 32.4 25.8 38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

Tgt Ion: 136 Resp: 587497
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 8.6 7.7 11.5
68 5.5 4.9 7.3





#23

Nitrobenzene-d5

Concen: 47.291 ng

RT: 7.463 min Scan# 897

Delta R.T. -0.006 min

Lab File: BF142412.D

Acq: 16 May 2025 00:58

Instrument :

BNA_F

ClientSampleId :

TP-10

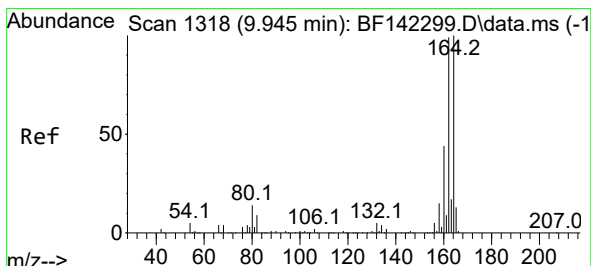
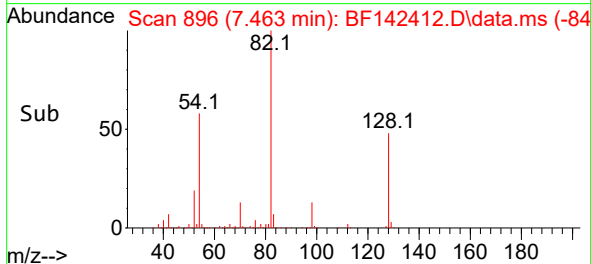
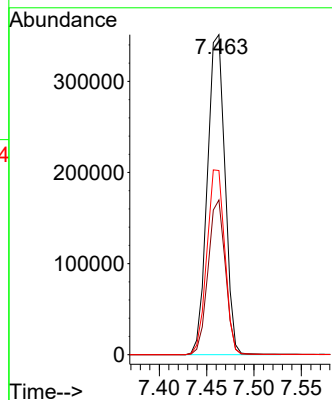
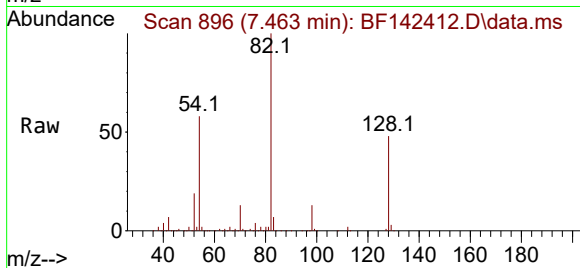
Tgt Ion: 82 Resp: 455565

Ion Ratio Lower Upper

82 100

128 48.3 37.0 55.6

54 57.5 48.6 73.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1317

Delta R.T. -0.006 min

Lab File: BF142412.D

Acq: 16 May 2025 00:58

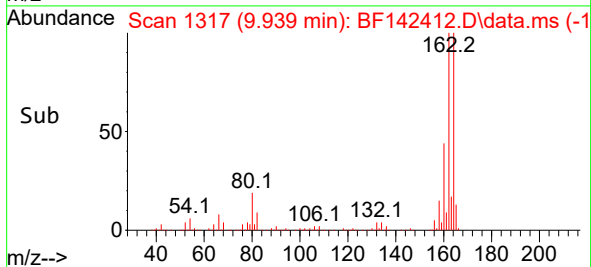
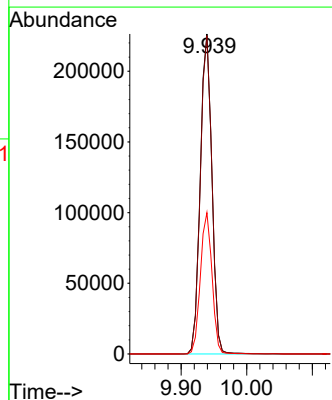
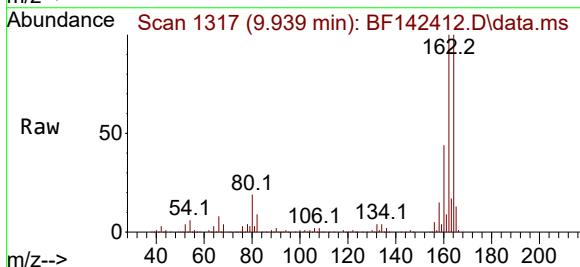
Tgt Ion:164 Resp: 279138

Ion Ratio Lower Upper

164 100

162 99.5 79.2 118.8

160 44.2 35.3 52.9

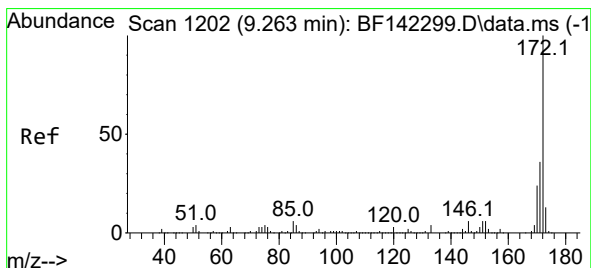
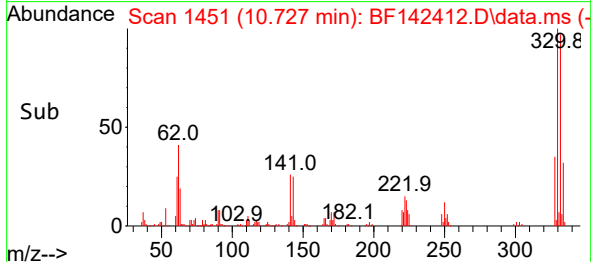
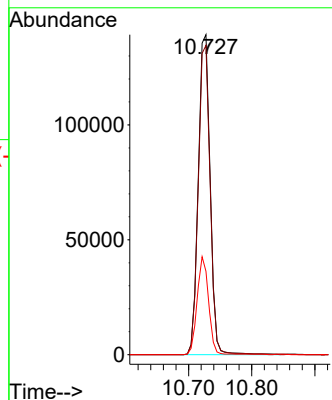
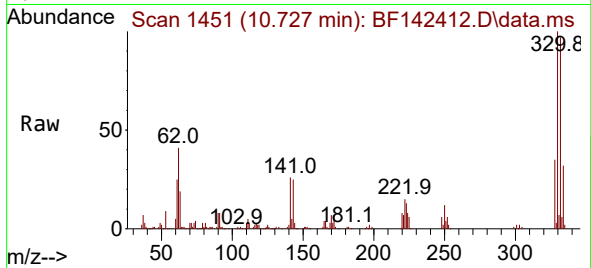




#42
2,4,6-Tribromophenol
Concen: 67.431 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

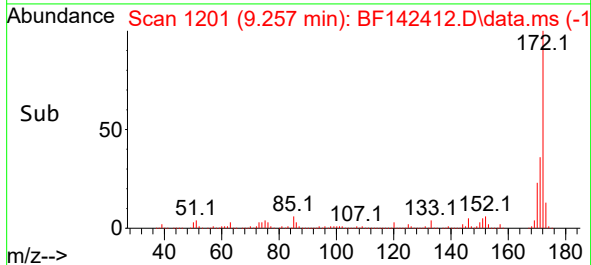
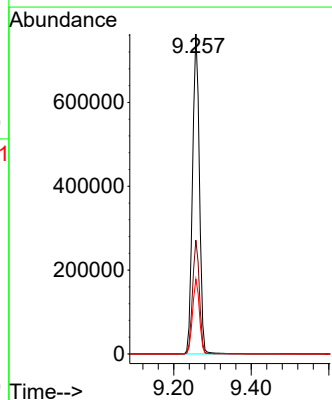
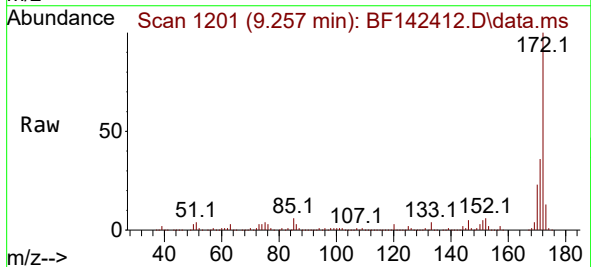
Instrument :
BNA_F
ClientSampleId :
TP-10

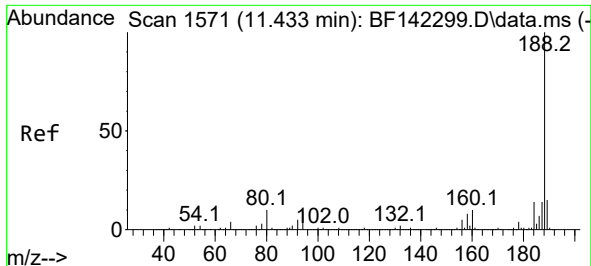
Tgt Ion:330 Resp: 181727
Ion Ratio Lower Upper
330 100
332 96.5 76.8 115.2
141 29.7 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 48.366 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

Tgt Ion:172 Resp: 946847
Ion Ratio Lower Upper
172 100
171 35.5 28.6 42.8
170 23.4 19.0 28.4

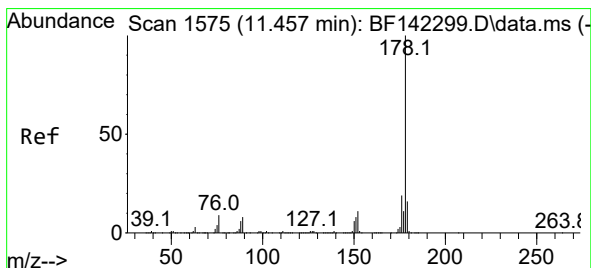
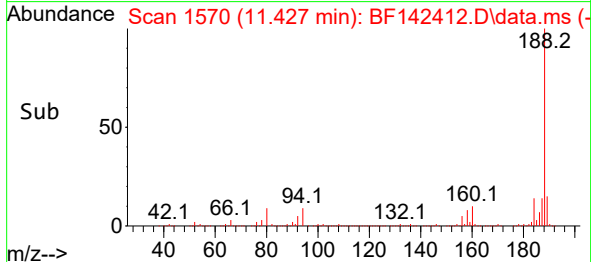
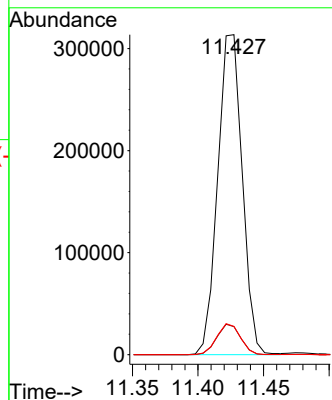
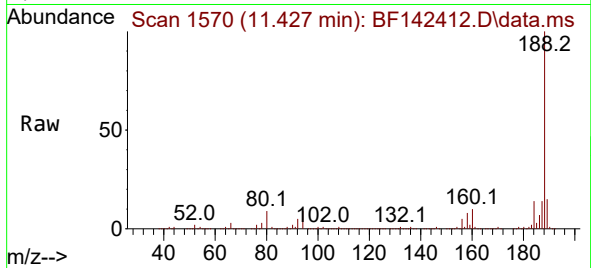




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

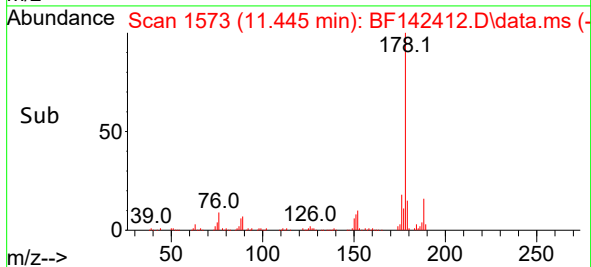
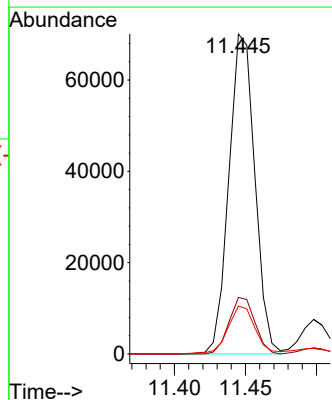
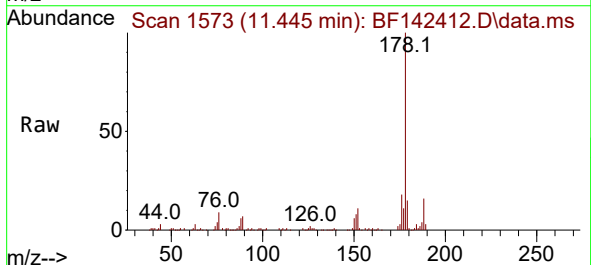
Instrument :
BNA_F
ClientSampleId :
TP-10

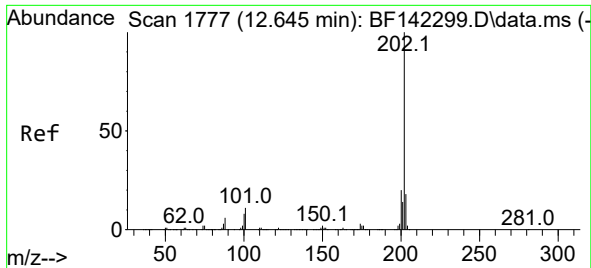
Tgt Ion:188 Resp: 408075
Ion Ratio Lower Upper
188 100
94 8.8 7.5 11.3
80 8.9 7.9 11.9



#71
Phenanthrene
Concen: 4.163 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

Tgt Ion:178 Resp: 89039
Ion Ratio Lower Upper
178 100
176 17.7 15.5 23.3
179 14.9 12.6 18.8

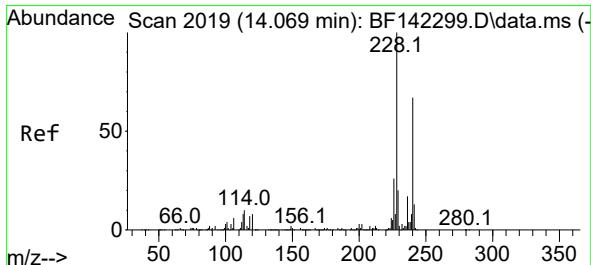
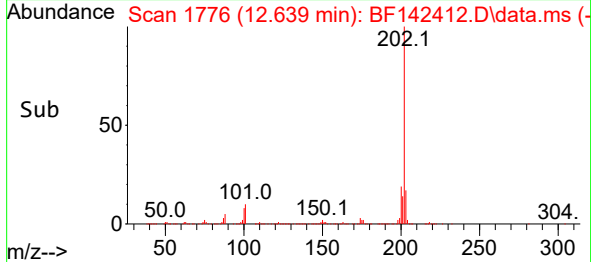
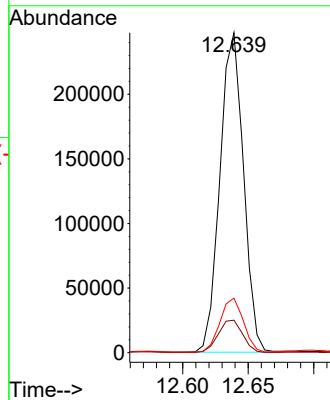
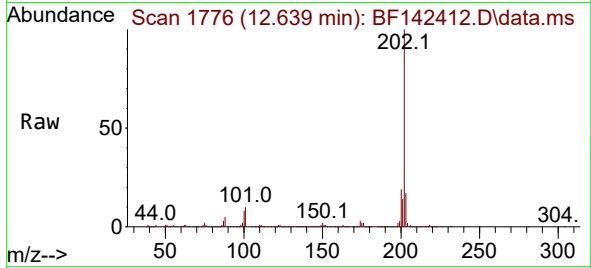




#75
Fluoranthene
Concen: 14.426 ng
RT: 12.639 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

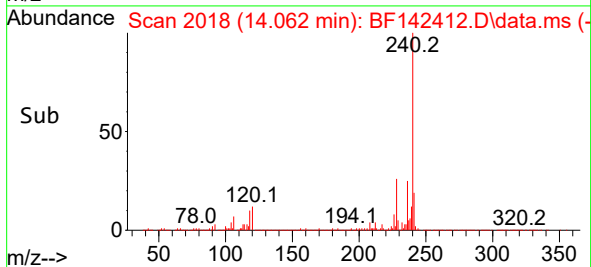
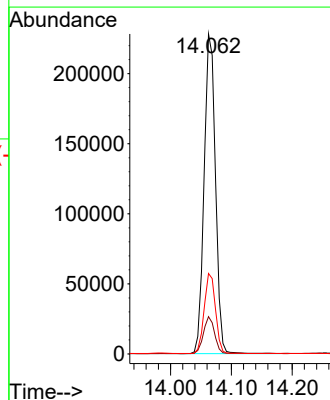
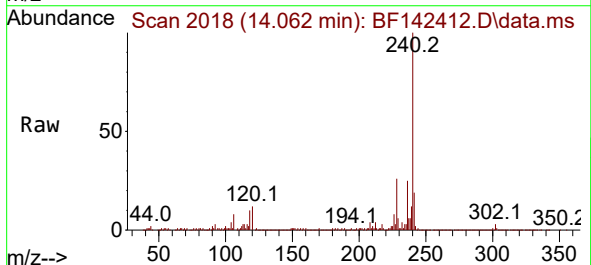
Instrument :
BNA_F
ClientSampleId :
TP-10

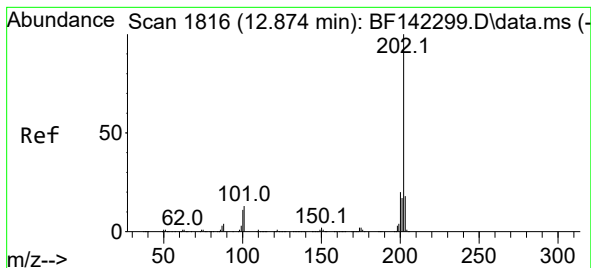
Tgt Ion:202 Resp: 308467
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.4
203 17.1 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

Tgt Ion:240 Resp: 295575
Ion Ratio Lower Upper
240 100
120 11.7 9.7 14.5
236 25.1 20.0 30.0





#78

Pyrene

Concen: 10.686 ng

RT: 12.868 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF142412.D

Acq: 16 May 2025 00:58

Instrument :

BNA_F

ClientSampleId :

TP-10

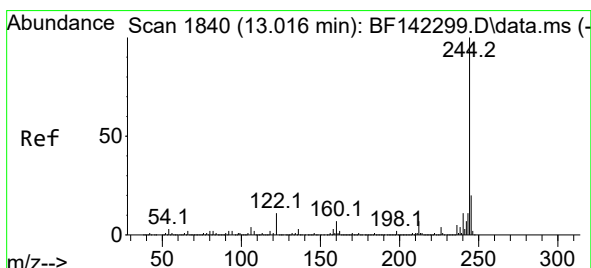
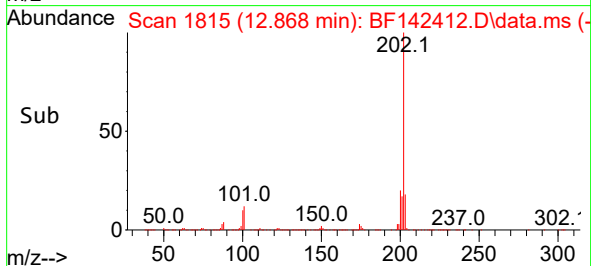
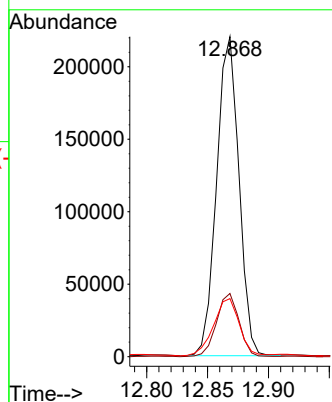
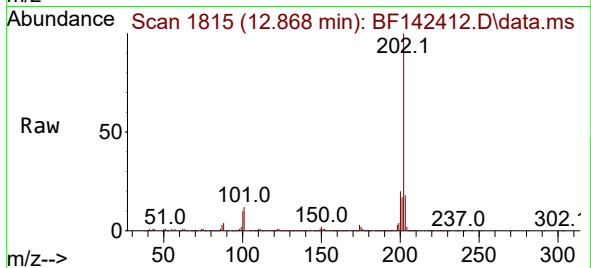
Tgt Ion:202 Resp: 281147

Ion Ratio Lower Upper

202 100

200 19.7 16.2 24.4

203 18.2 14.3 21.5



#79

Terphenyl-d14

Concen: 40.747 ng

RT: 13.010 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF142412.D

Acq: 16 May 2025 00:58

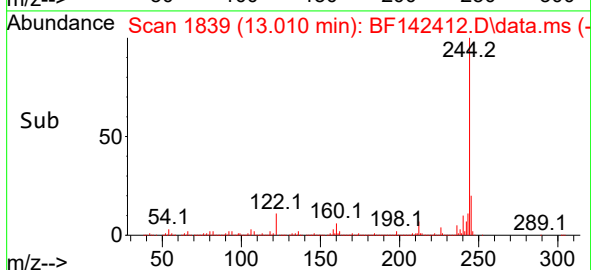
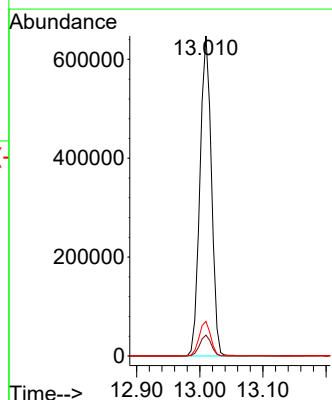
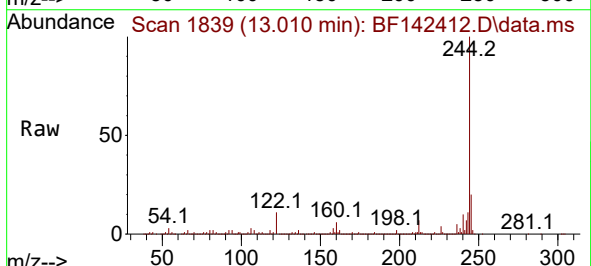
Tgt Ion:244 Resp: 813716

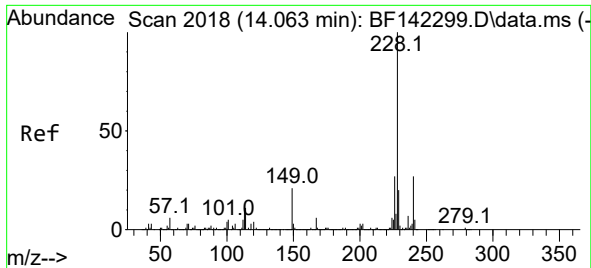
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.2

122 10.8 9.0 13.4

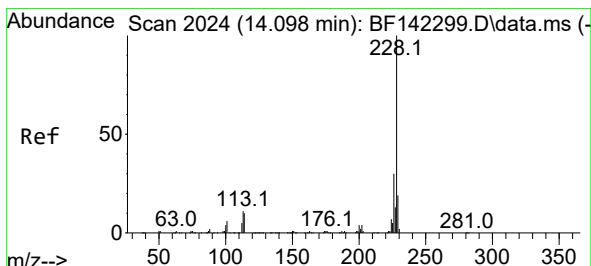
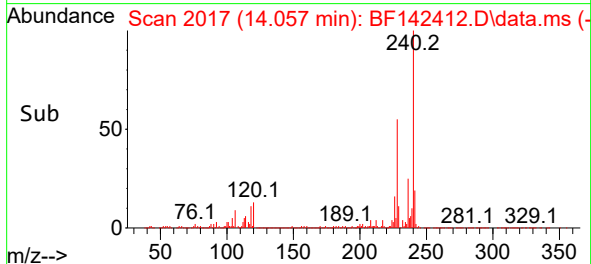
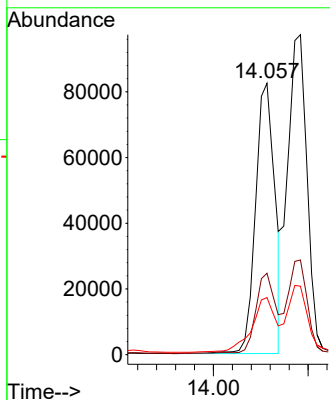
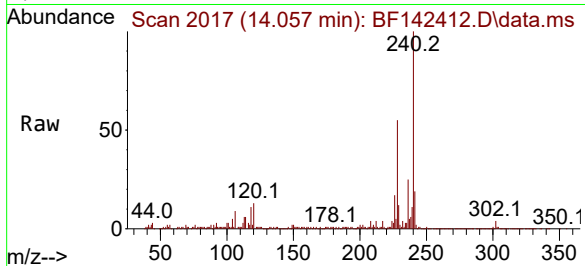




#81
Benzo(a)anthracene
Concen: 6.058 ng
RT: 14.057 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

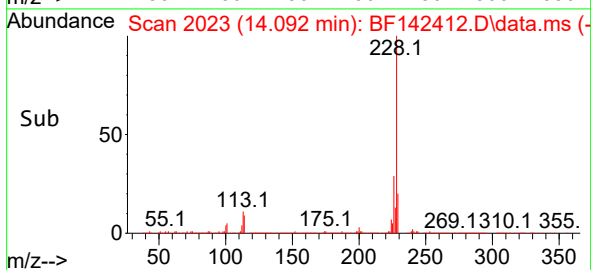
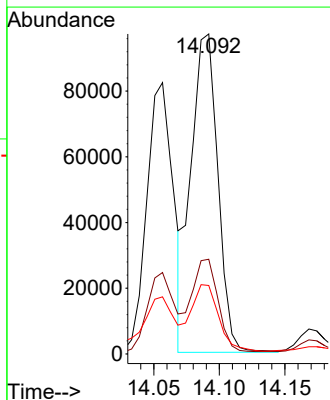
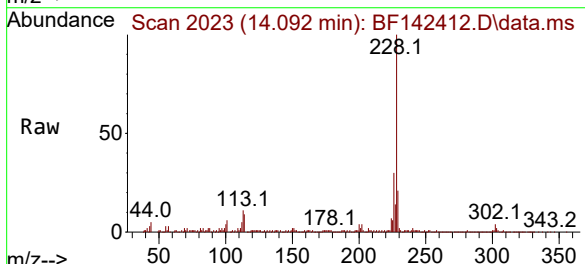
Instrument :
BNA_F
ClientSampleId :
TP-10

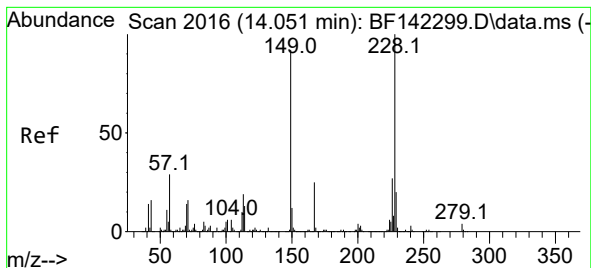
Tgt Ion:228 Resp: 115968
Ion Ratio Lower Upper
228 100
226 30.0 21.5 32.3
229 21.0 15.9 23.9



#83
Chrysene
Concen: 7.752 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

Tgt Ion:228 Resp: 138136
Ion Ratio Lower Upper
228 100
226 29.6 23.9 35.9
229 21.4 15.4 23.2

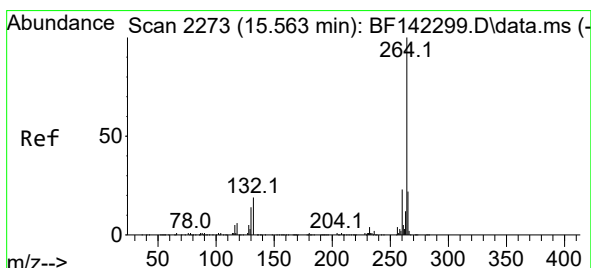
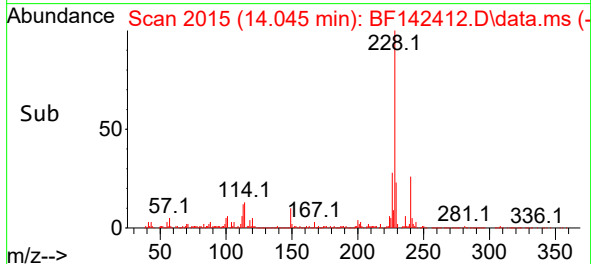
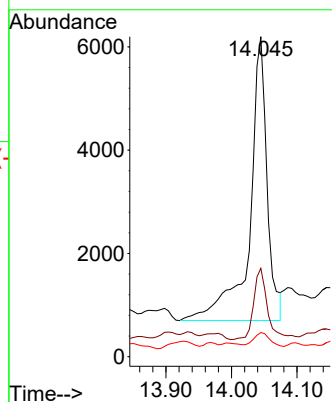
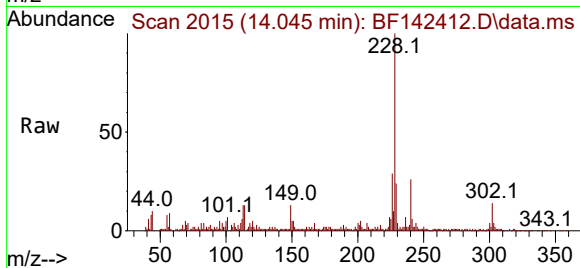




#84
Bis(2-ethylhexyl)phthalate
Concen: 5.167 ng
RT: 14.045 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

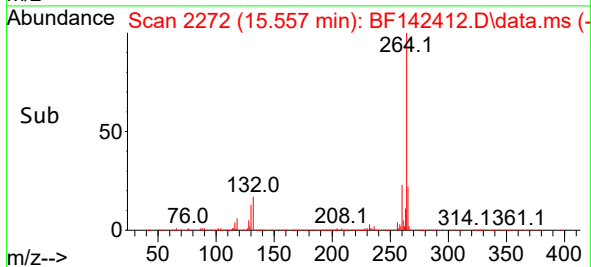
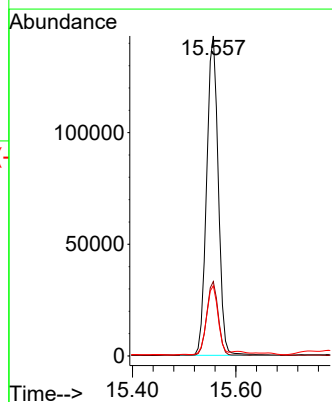
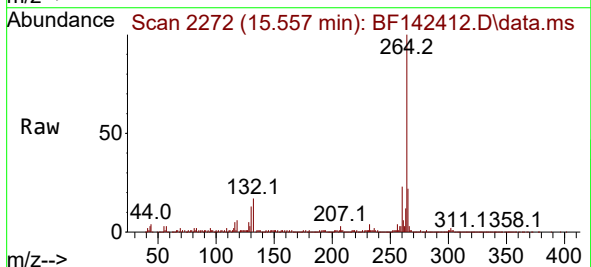
Instrument :
BNA_F
ClientSampleId :
TP-10

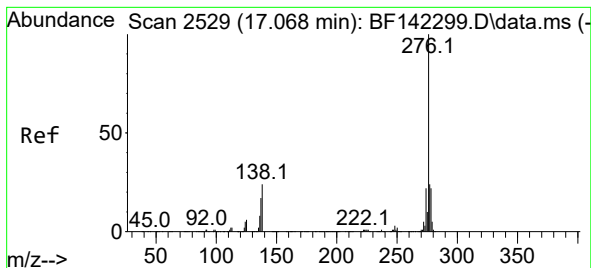
Tgt Ion:149 Resp: 10202
Ion Ratio Lower Upper
149 100
167 27.6 22.0 33.0
279 7.5 3.0 4.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

Tgt Ion:264 Resp: 223147
Ion Ratio Lower Upper
264 100
260 23.2 18.6 27.8
265 21.9 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.542 ng

RT: 17.051 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF142412.D

Acq: 16 May 2025 00:58

Instrument :

BNA_F

ClientSampleId :

TP-10

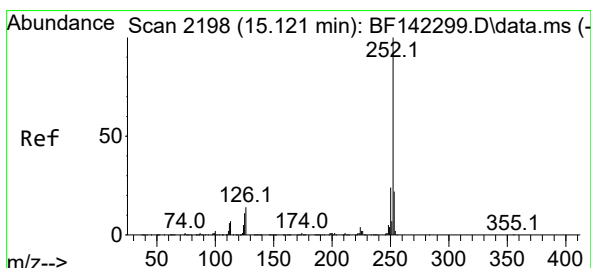
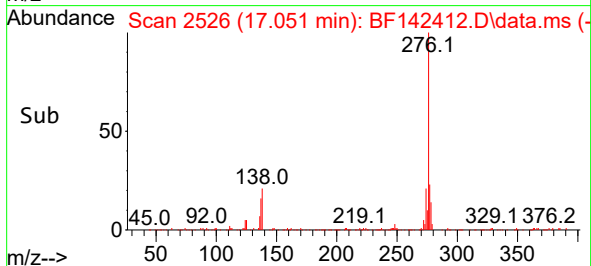
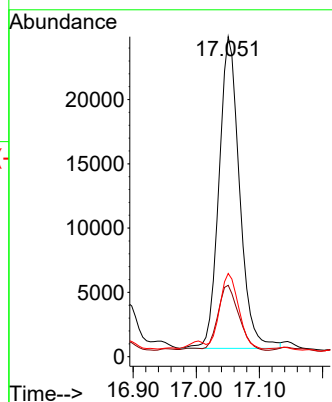
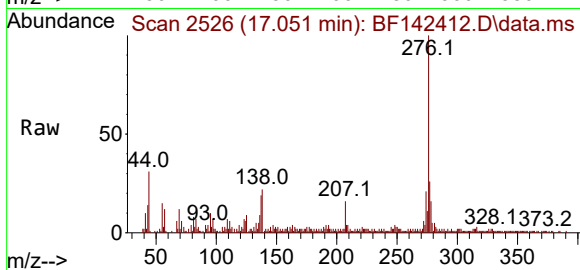
Tgt Ion:276 Resp: 54989

Ion Ratio Lower Upper

276 100

138 21.1 22.0 33.0#

277 23.5 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 10.515 ng m

RT: 15.115 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF142412.D

Acq: 16 May 2025 00:58

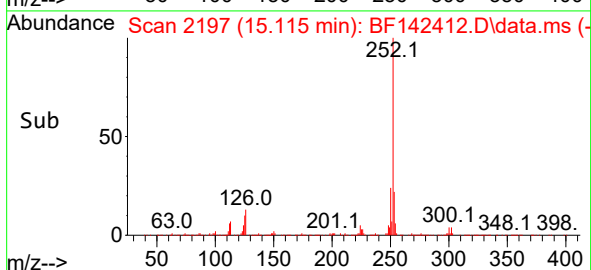
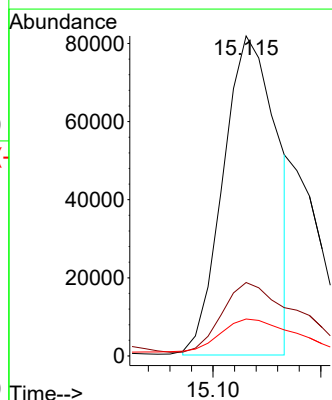
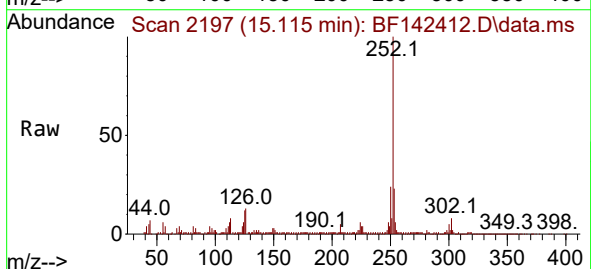
Tgt Ion:252 Resp: 142116

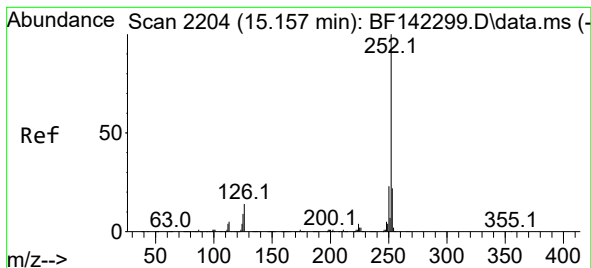
Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

125 11.6 8.7 13.1





#89

Benzo(k)fluoranthene

Concen: 3.857 ng m

RT: 15.133 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF142412.D

Acq: 16 May 2025 00:58

Instrument :

BNA_F

ClientSampleId :

TP-10

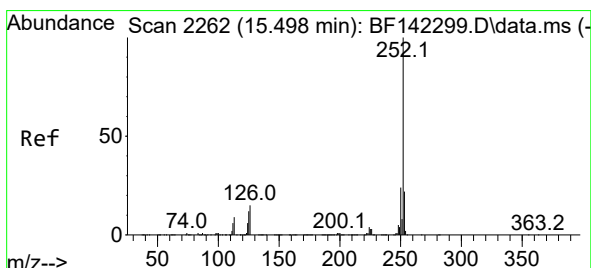
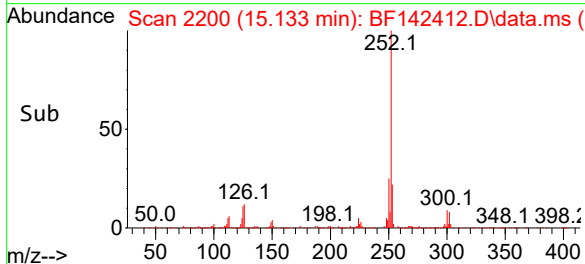
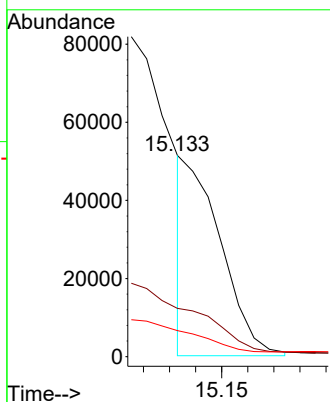
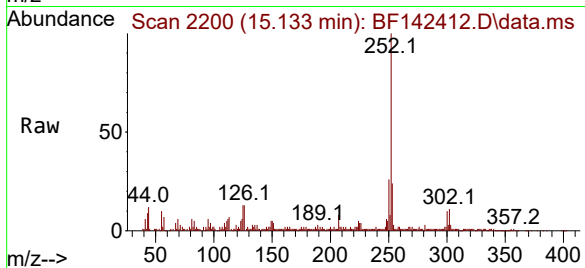
Tgt Ion:252 Resp: 47700

Ion Ratio Lower Upper

252 100

253 24.0 17.6 26.4

125 13.0 8.1 12.1#



#90

Benzo(a)pyrene

Concen: 7.109 ng

RT: 15.486 min Scan# 2260

Delta R.T. -0.012 min

Lab File: BF142412.D

Acq: 16 May 2025 00:58

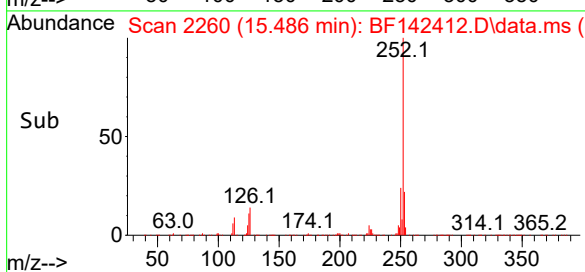
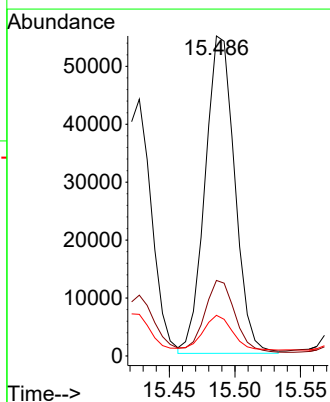
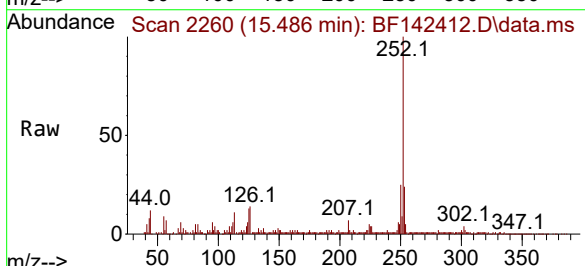
Tgt Ion:252 Resp: 86100

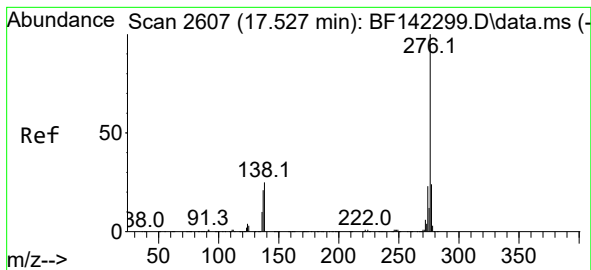
Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.6

125 12.7 9.4 14.0





#92

Benzo(g,h,i)perylene

Concen: 4.133 ng

RT: 17.509 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF142412.D

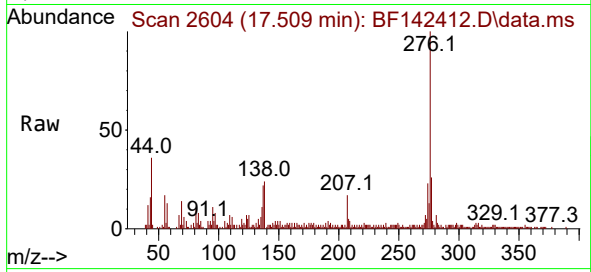
Acq: 16 May 2025 00:58

Instrument :

BNA_F

ClientSampleId :

TP-10



Tgt Ion:276 Resp: 52607

Ion Ratio Lower Upper

276 100

277 25.6 19.0 28.6

138 23.8 19.8 29.6

