

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

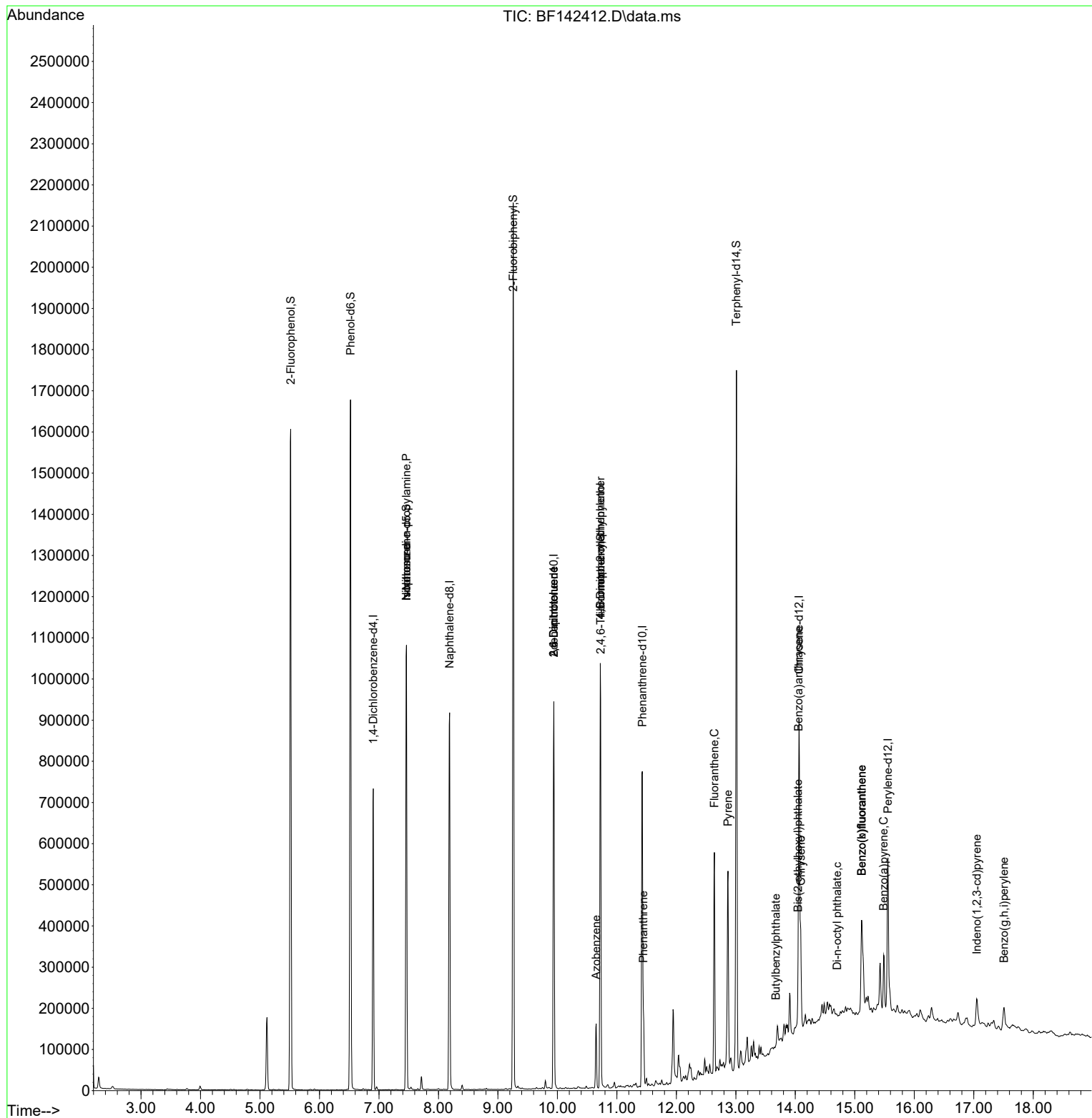
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	160126	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	587497	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	279138	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	408075	20.000	ng	0.00
76) Chrysene-d12	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						
19) n-Nitroso-di-n-propyla...	7.463	70	60520	8.481	ng	# 77
25) Isophorone	7.463	82	446667	24.486	ng	# 62
51) 2,6-Dinitrotoluene	9.939	165	36212	10.793	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	36213	8.414	ng	# 25
63) Azobenzene	10.651	77	38260	2.237	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.722	198	358	7.345	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	10662	2.305	ng	# 1
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
80) Butylbenzylphthalate	13.674	149	717	3.745	ng	98
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
85) Di-n-octyl phthalate	14.704	149	543	7.865	ng	# 62
87) Indeno(1,2,3-cd)pyrene	17.051	276	54989	3.542	ng	# 92
88) Benzo(b)fluoranthene	15.115	252	189514	14.022	ng	98
89) Benzo(k)fluoranthene	15.115	252	189514	15.323	ng	97
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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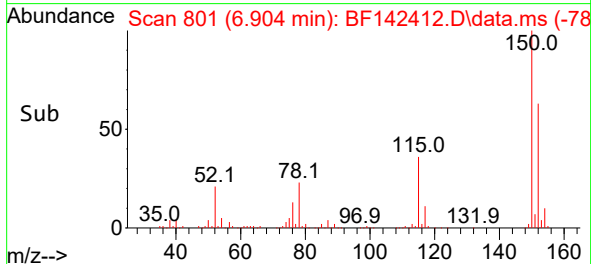
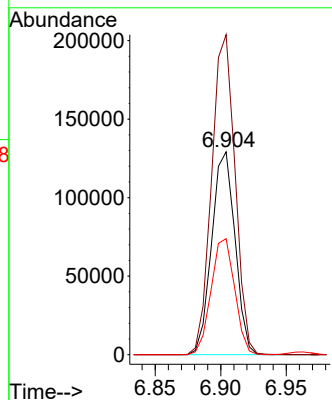
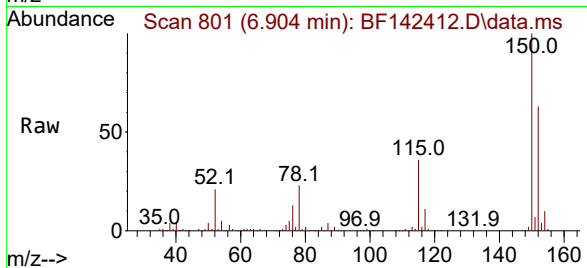




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: BF142412.D
 Acq: 16 May 2025 00:58

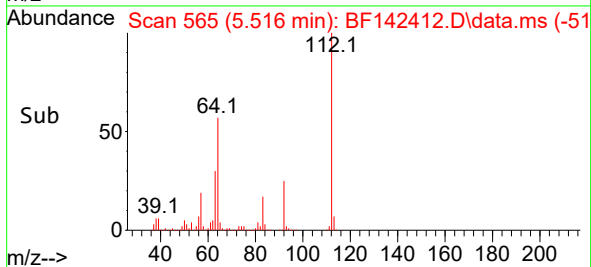
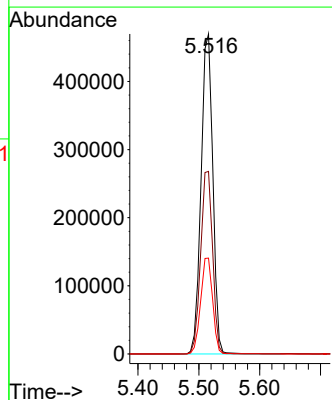
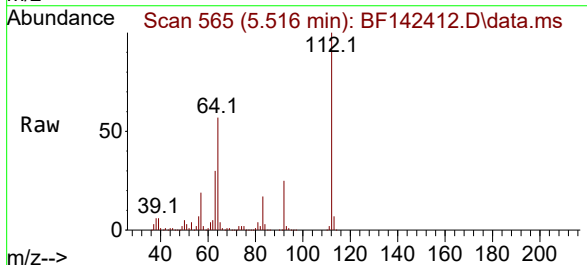
Instrument :
 BNA_F
 ClientSampleId :
 TP-10

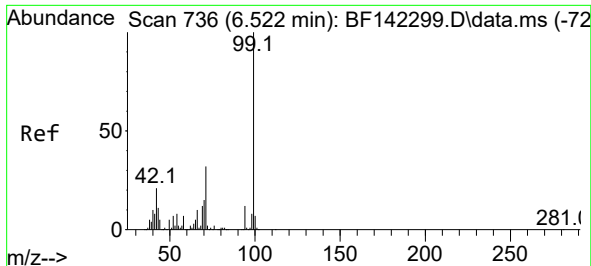
Tgt Ion:152 Resp: 160126
 Ion Ratio Lower Upper
 152 100
 150 157.7 126.6 190.0
 115 57.2 47.3 70.9



#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# 71
Delta R.T. -0.000 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

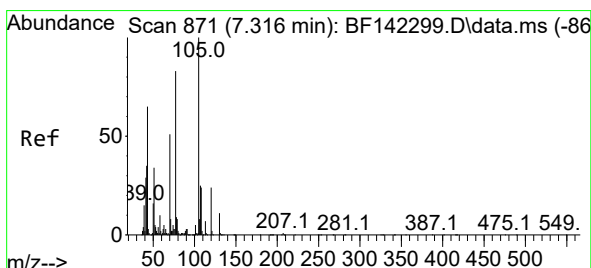
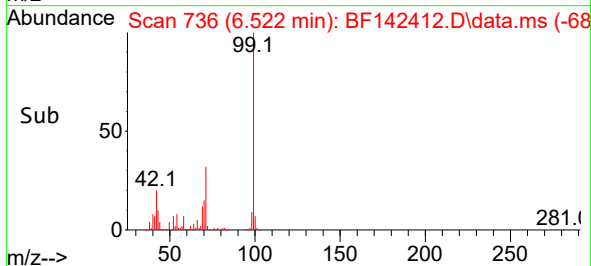
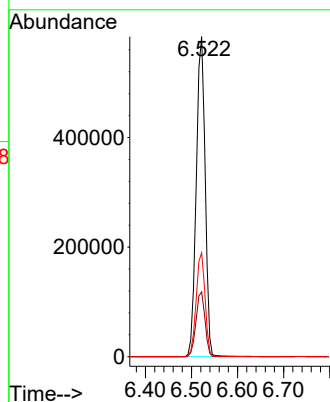
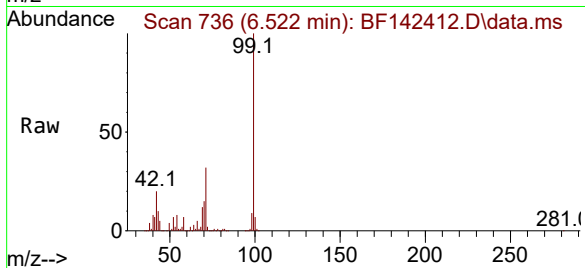
Instrument :

BNA_F

ClientSampleId :

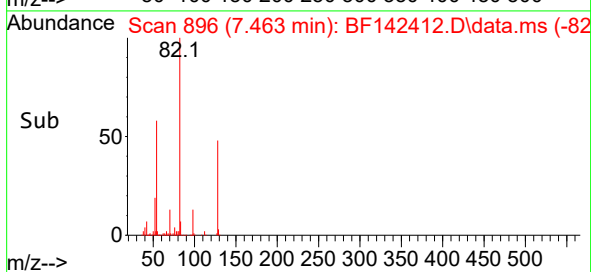
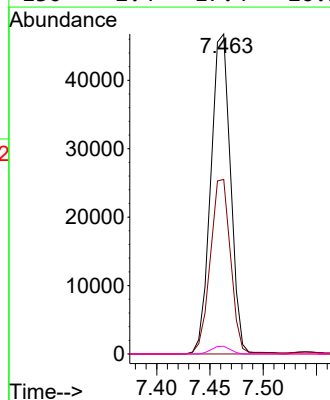
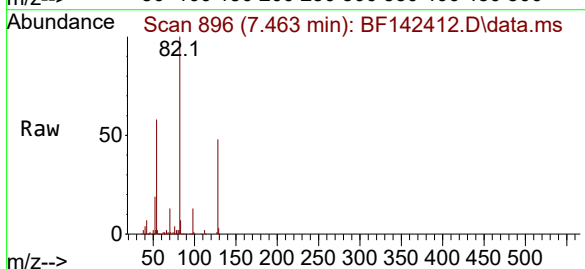
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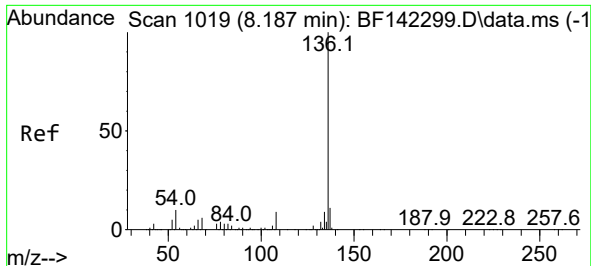
Tgt Ion: 99 Resp: 782458
Ion Ratio Lower Upper
99 100
42 20.2 17.0 25.4
71 32.4 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 8.481 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.147 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

Tgt Ion: 70 Resp: 60520
Ion Ratio Lower Upper
70 100
42 54.6 54.8 82.2#
101 0.0 7.7 11.5#
130 2.4 17.4 26.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.186 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF142412.D

Acq: 16 May 2025 00:58

Instrument :

BNA_F

ClientSampleId :

TP-10

Tgt Ion:136 Resp: 587497

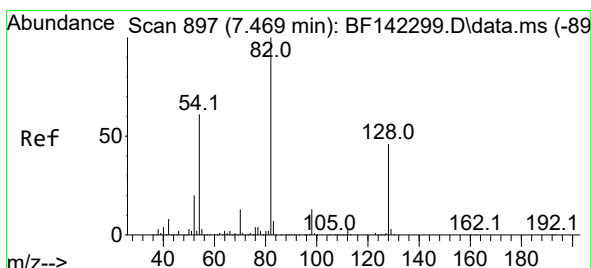
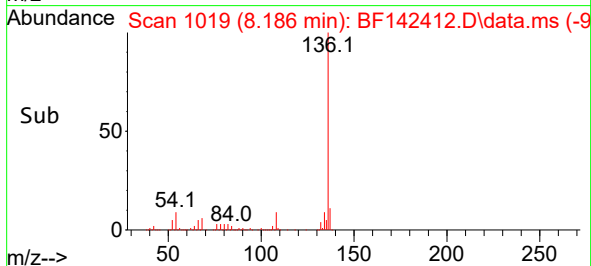
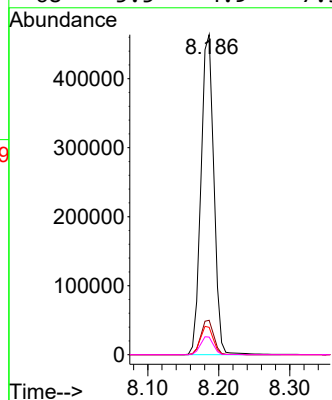
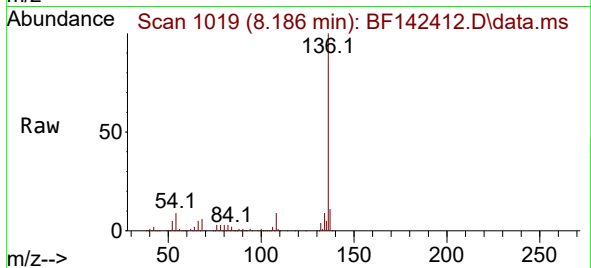
Ion Ratio Lower Upper

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# 896

Delta R.T. -0.006 min

Lab File: BF142412.D

Acq: 16 May 2025 00:58

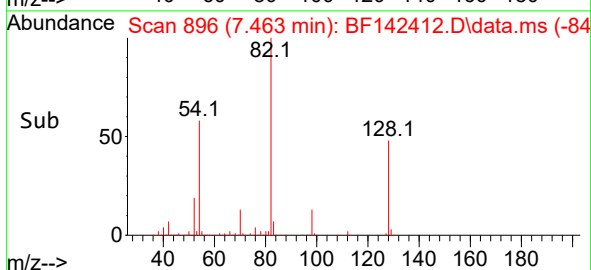
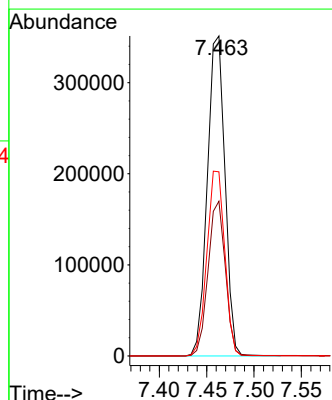
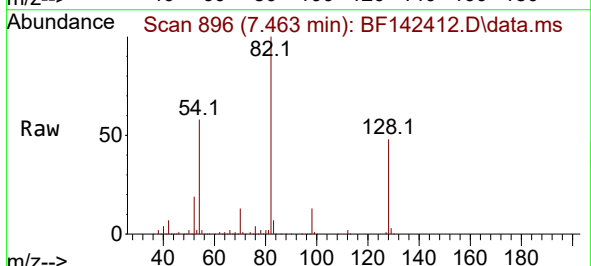
Tgt Ion: 82 Resp: 455565

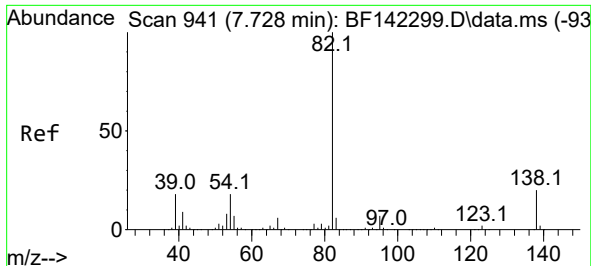
Ion Ratio Lower Upper

82 100

128 48.3 37.0 55.6

54 57.5 48.6 73.0

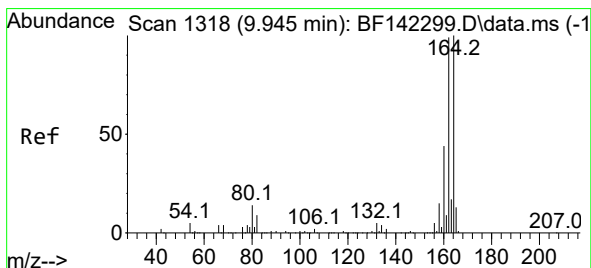
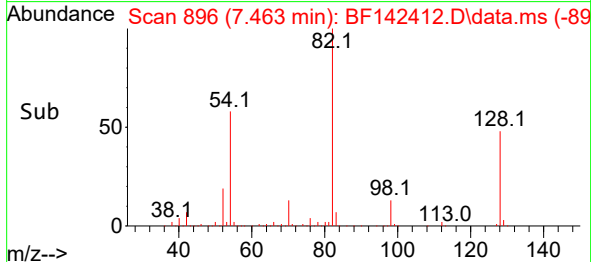
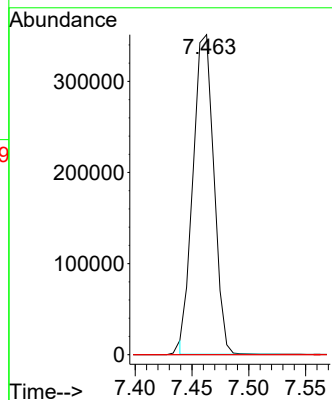
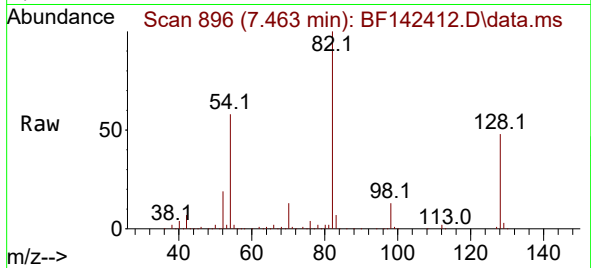




#25
Isophorone
Concen: 24.486 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

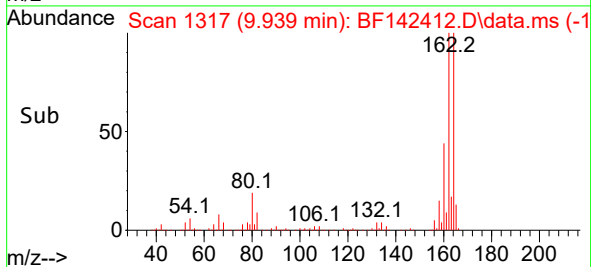
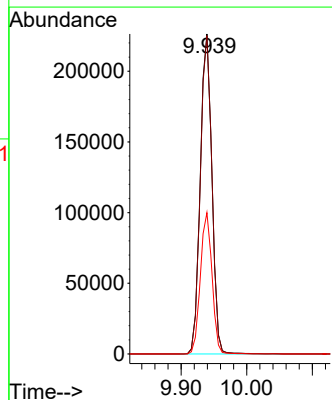
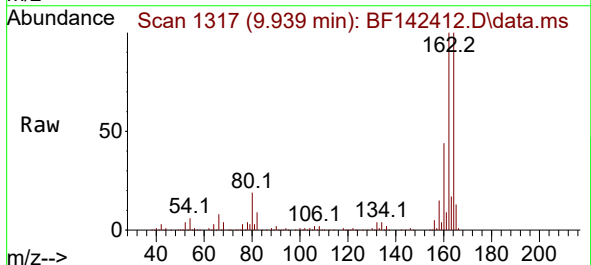
Instrument :
BNA_F
ClientSampleId :
TP-10

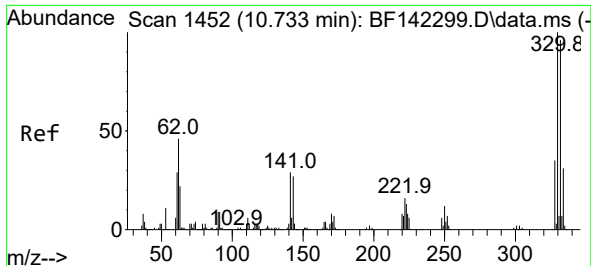
Tgt Ion: 82 Resp: 446667
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#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

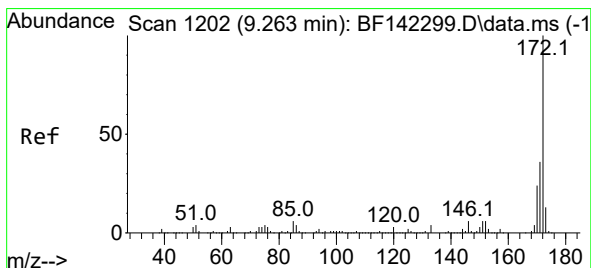
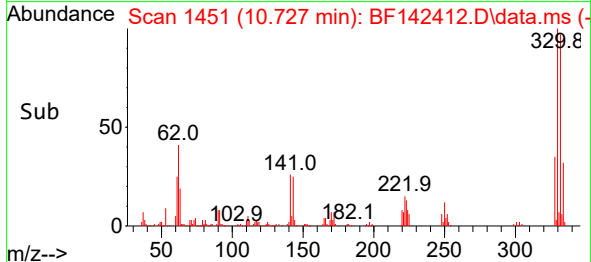
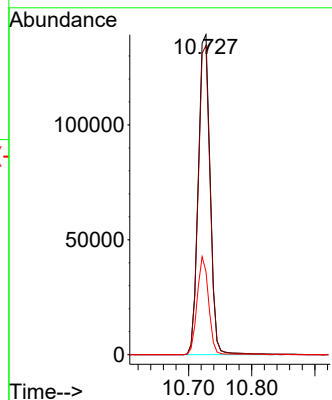
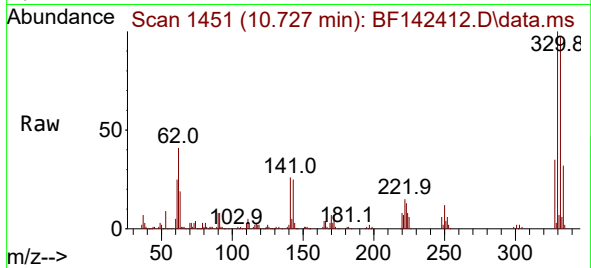




#42
2,4,6-Tribromophenol
Concen: 67.431 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

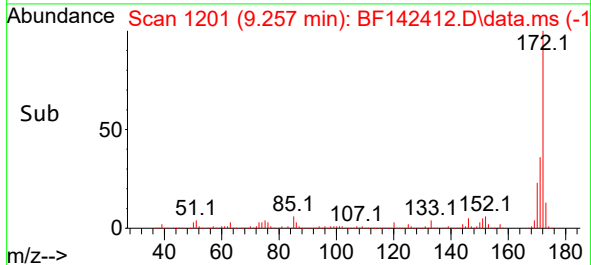
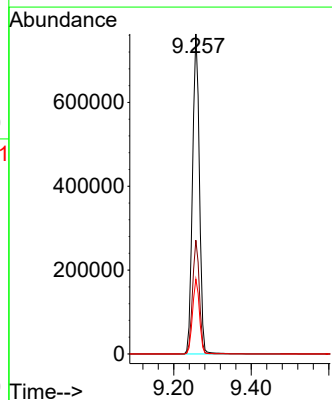
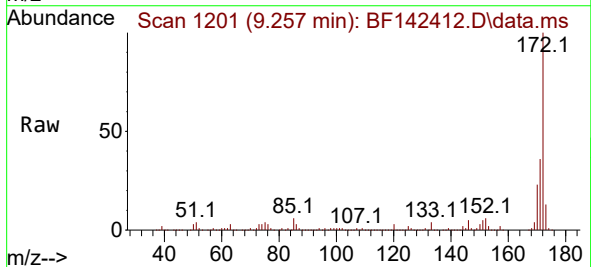
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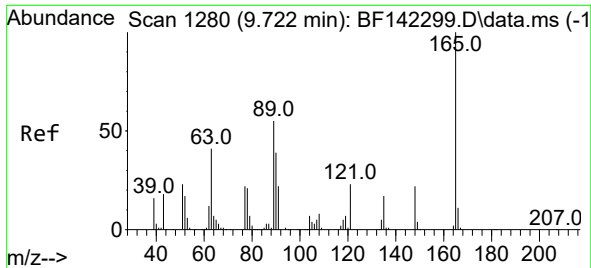
Tgt Ion:330 Resp: 181727
Ion Ratio Lower Upper
330 100
332 96.5 76.8 115.2
141 29.7 24.9 37.3



#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

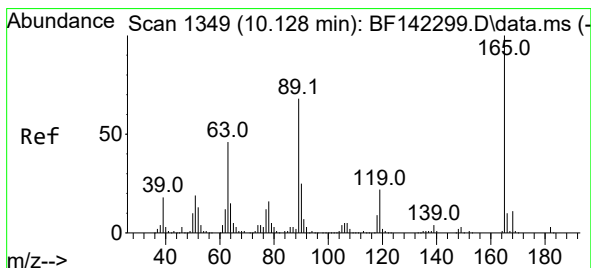
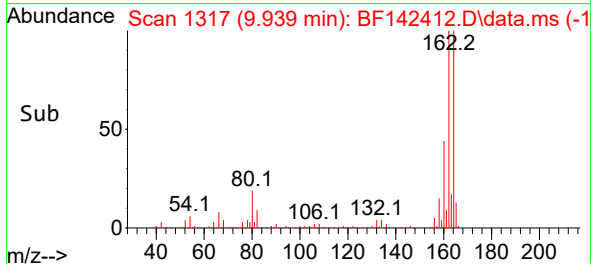
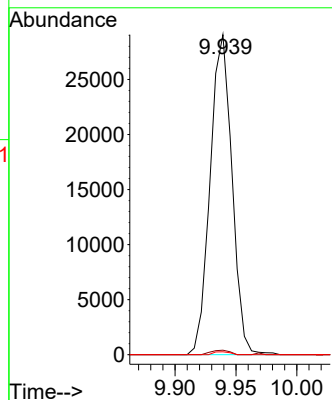
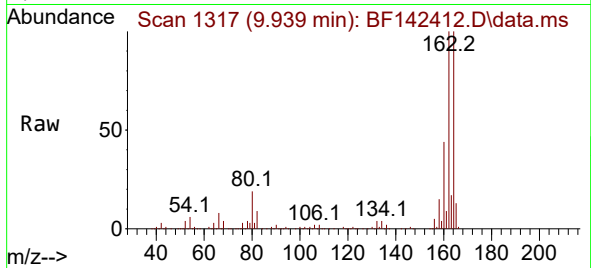




#51
2,6-Dinitrotoluene
Concen: 10.793 ng
RT: 9.939 min Scan# 1317
Delta R.T. 0.217 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

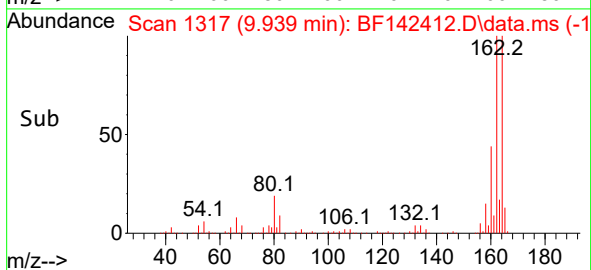
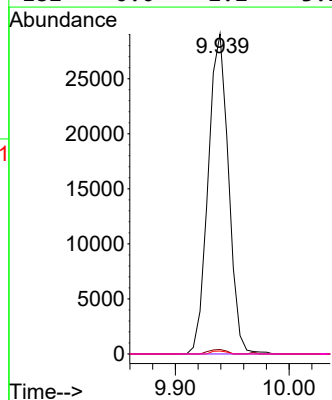
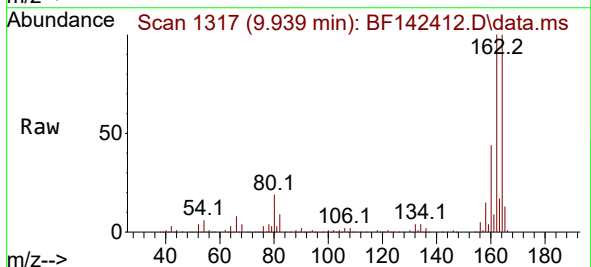
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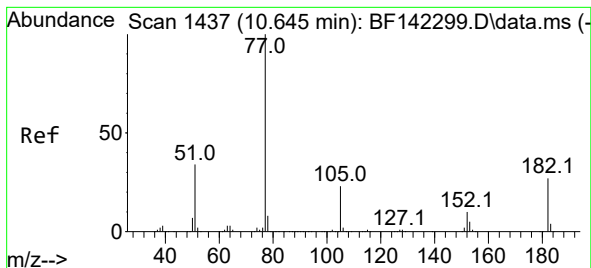
Tgt Ion:165 Resp: 36212
Ion Ratio Lower Upper
165 100
63 1.4 49.5 74.3#
89 0.9 44.6 66.8#



#57
2,4-Dinitrotoluene
Concen: 8.414 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.188 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

Tgt Ion:165 Resp: 36213
Ion Ratio Lower Upper
165 100
63 1.4 37.1 55.7#
89 0.9 54.4 81.6#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 2.237 ng

RT: 10.651 min Scan# 14

Delta R.T. 0.006 min

Lab File: BF142412.D

Acq: 16 May 2025 00:58

Instrument :

BNA_F

ClientSampleId :

TP-10

Tgt Ion: 77 Resp: 38260

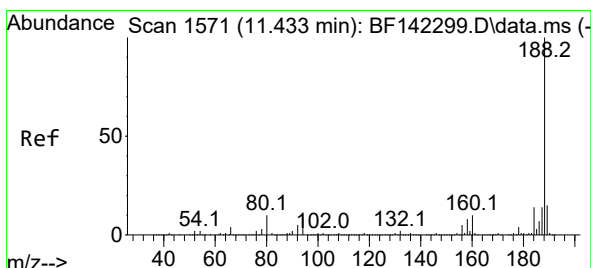
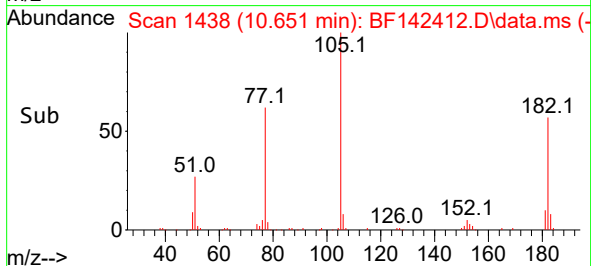
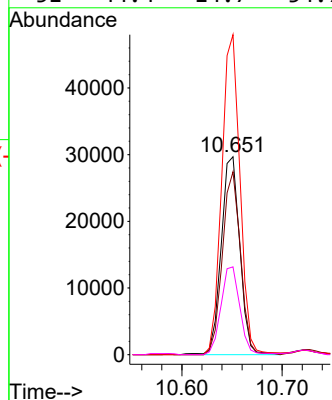
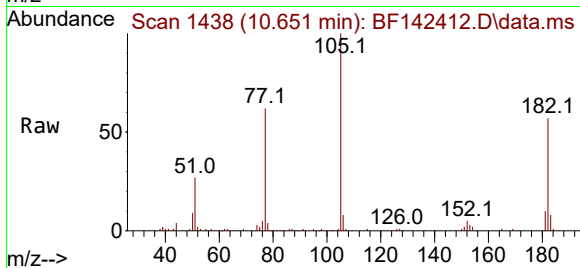
Ion Ratio Lower Upper

77 100

182 92.4 6.9 46.9#

105 161.7 2.7 42.7#

51 44.4 14.7 54.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.427 min Scan# 1570

Delta R.T. -0.006 min

Lab File: BF142412.D

Acq: 16 May 2025 00:58

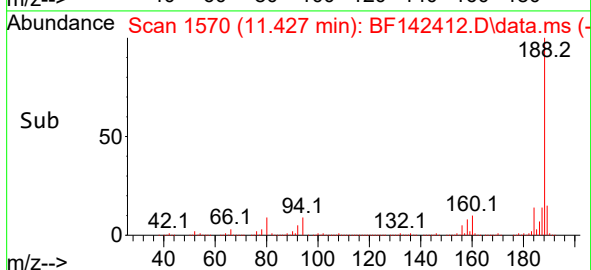
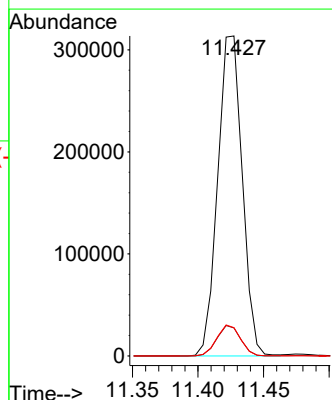
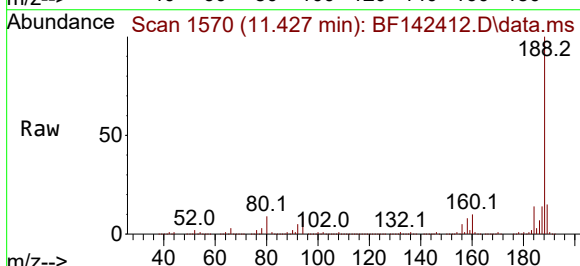
Tgt Ion: 188 Resp: 408075

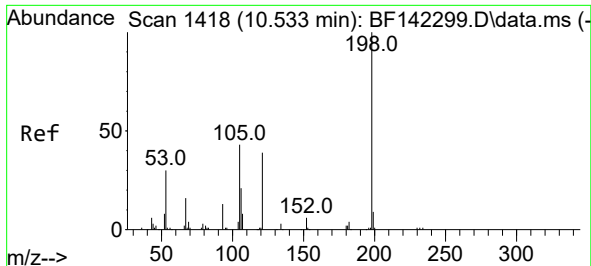
Ion Ratio Lower Upper

188 100

94 8.8 7.5 11.3

80 8.9 7.9 11.9

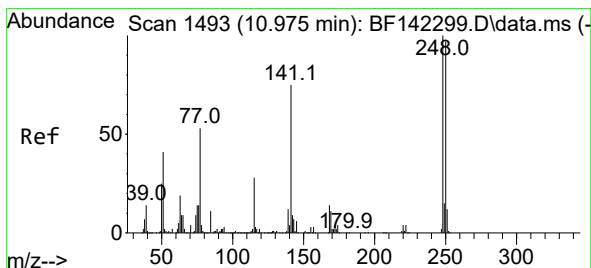
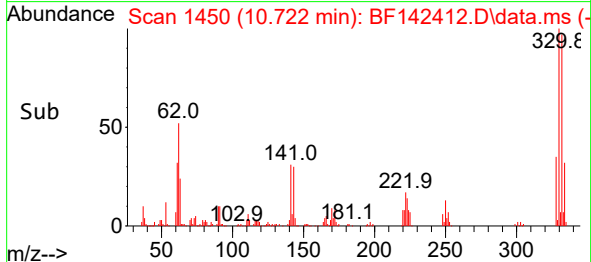
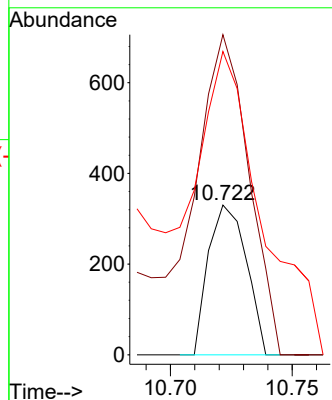
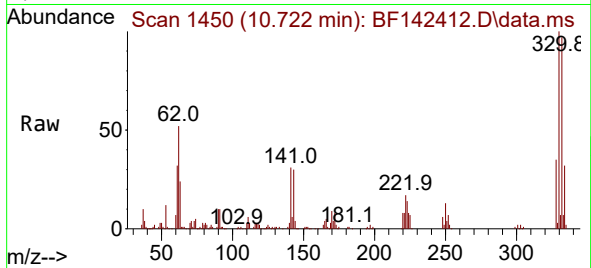




#65
4,6-Dinitro-2-methylphenol
Concen: 7.345 ng
RT: 10.722 min Scan# 1418
Delta R.T. 0.189 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

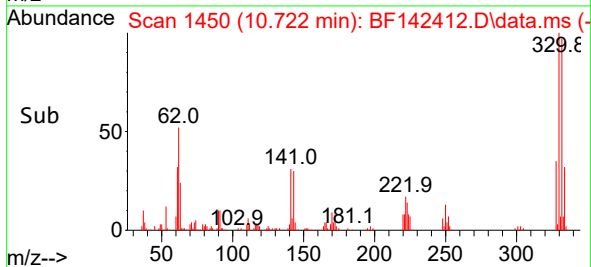
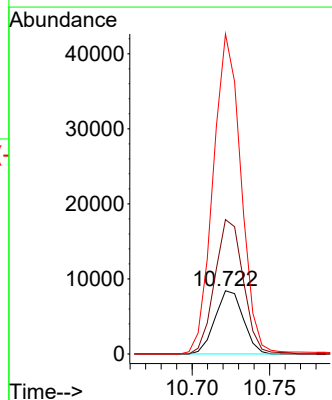
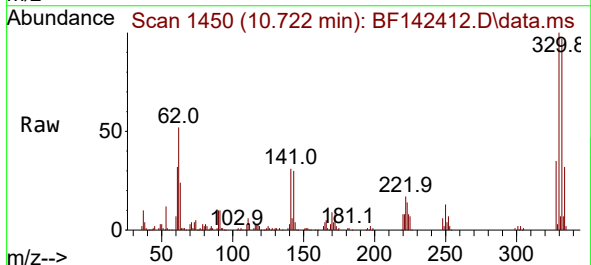
Instrument :
BNA_F
ClientSampleId :
TP-10

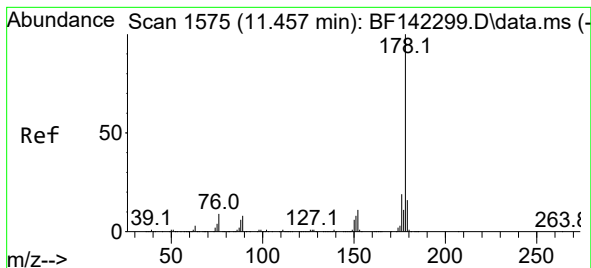
Tgt Ion:198 Resp: 358
Ion Ratio Lower Upper
198 100
51 213.9 32.9 72.9#
105 202.7 23.7 63.7#



#67
4-Bromophenyl-phenylether
Concen: 2.305 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.253 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

Tgt Ion:248 Resp: 10662
Ion Ratio Lower Upper
248 100
250 212.8 77.9 116.9#
141 506.7 59.8 89.8#





#71

Phenanthrene

Concen: 4.163 ng

RT: 11.445 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142412.D

Acq: 16 May 2025 00:58

Instrument :

BNA_F

ClientSampleId :

TP-10

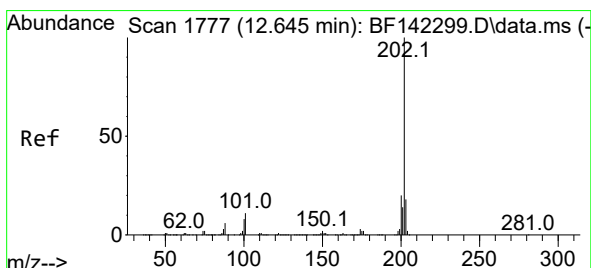
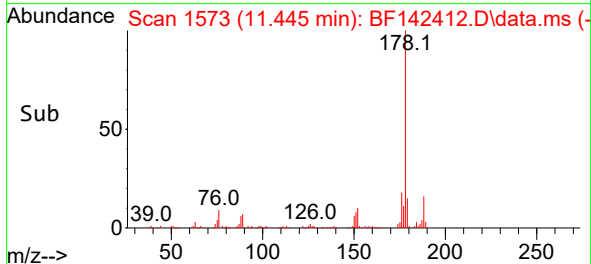
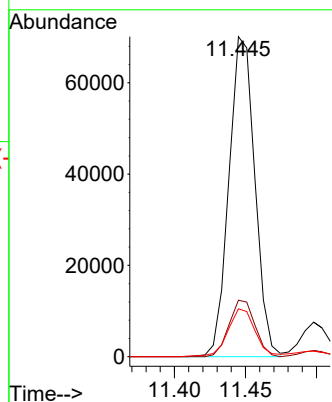
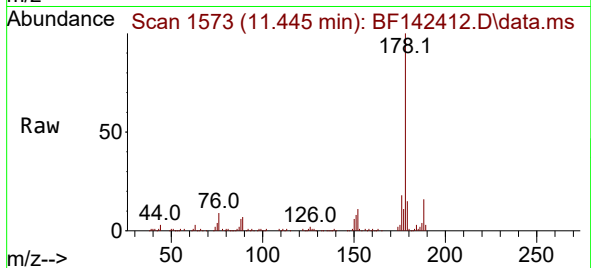
Tgt Ion:178 Resp: 89039

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# 1776

Delta R.T. -0.006 min

Lab File: BF142412.D

Acq: 16 May 2025 00:58

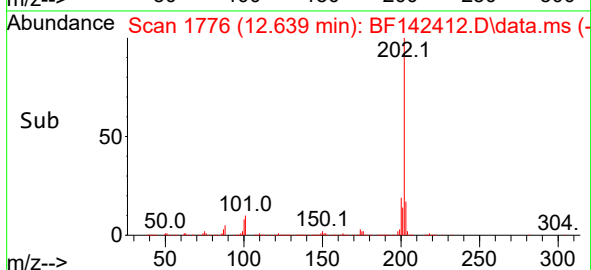
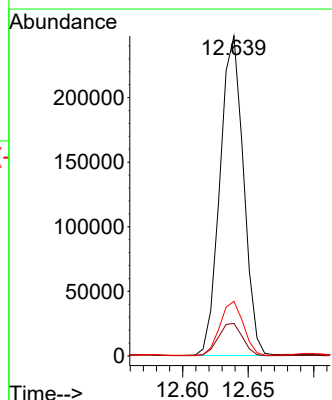
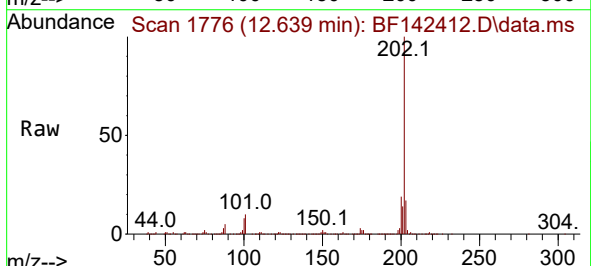
Tgt Ion:202 Resp: 308467

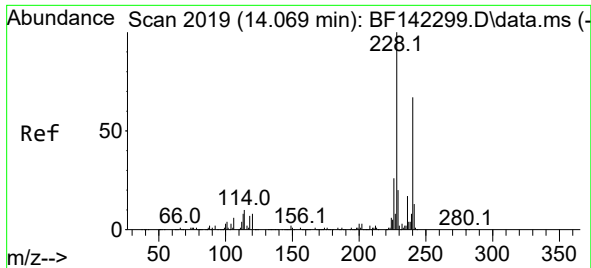
Ion Ratio Lower Upper

202 100

101 10.2 0.0 31.4

203 17.1 0.0 37.9

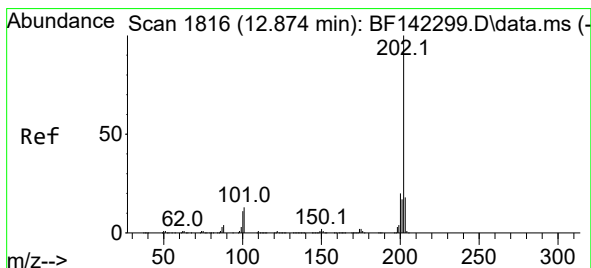
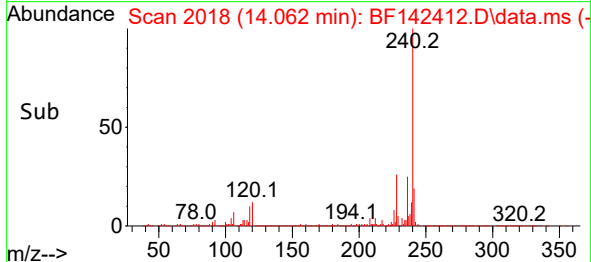
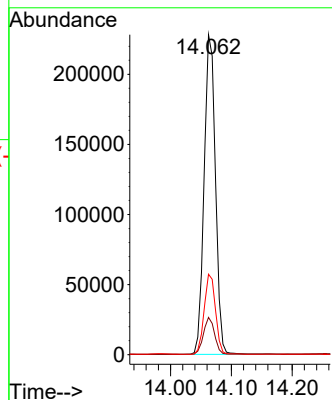
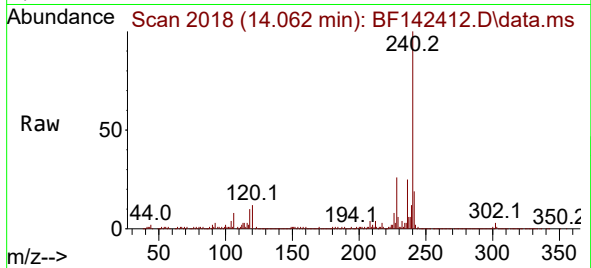




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

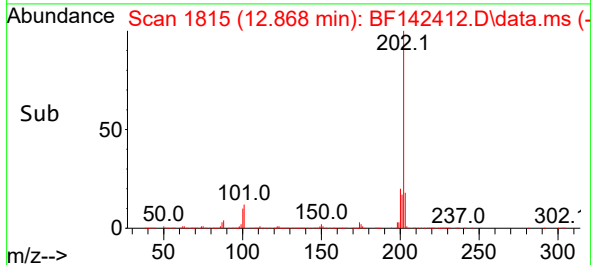
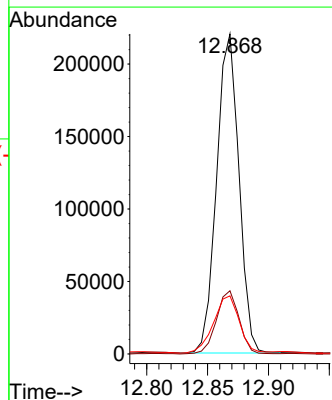
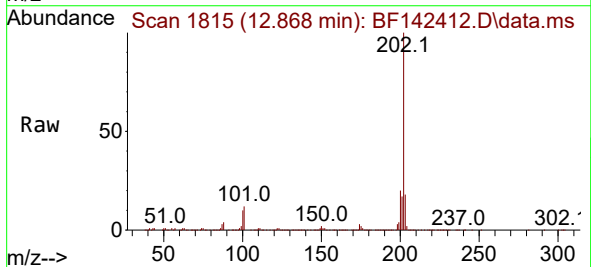
Instrument :
BNA_F
ClientSampleId :
TP-10

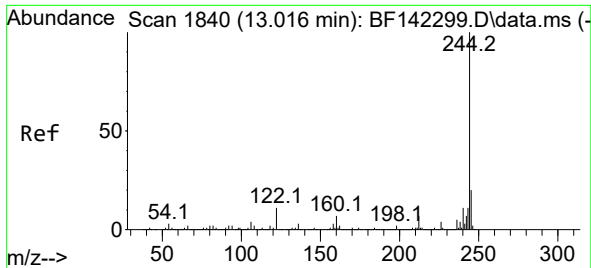
Tgt Ion:240 Resp: 295575
Ion Ratio Lower Upper
240 100
120 11.7 9.7 14.5
236 25.1 20.0 30.0



#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

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

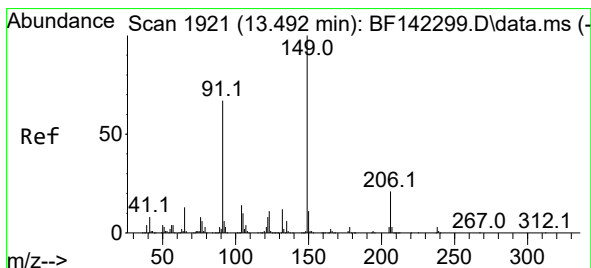
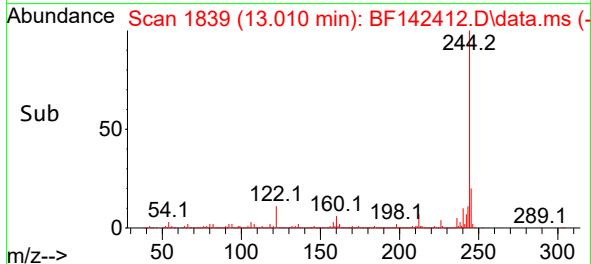
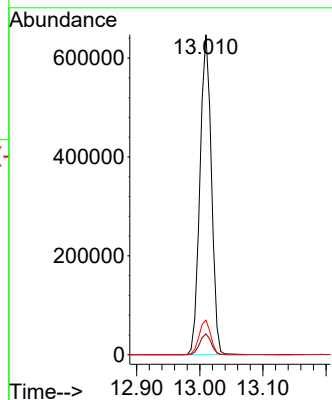
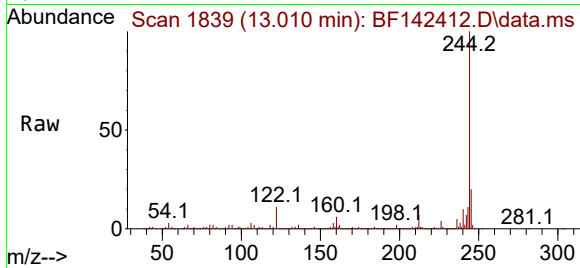




#79
 Terphenyl-d14
 Concen: 40.747 ng
 RT: 13.010 min Scan# 1840
 Delta R.T. -0.006 min
 Lab File: BF142412.D
 Acq: 16 May 2025 00:58

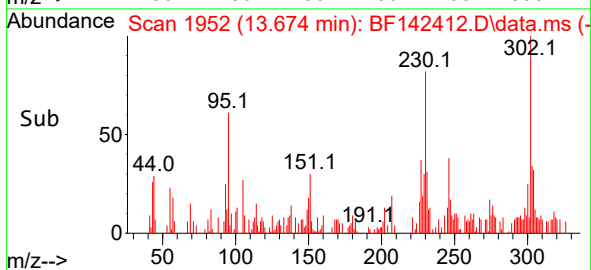
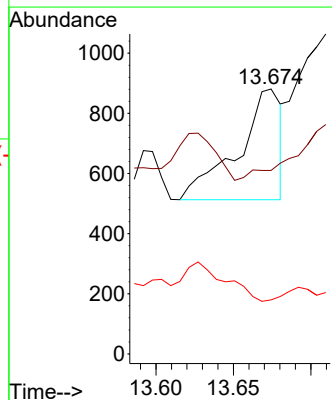
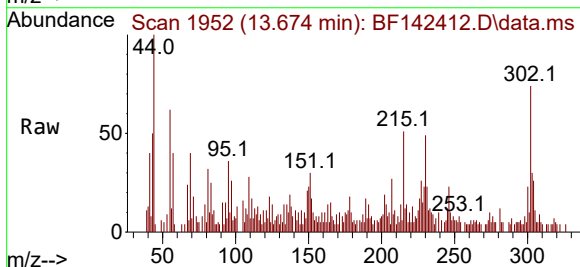
Instrument :
 BNA_F
 ClientSampleId :
 TP-10

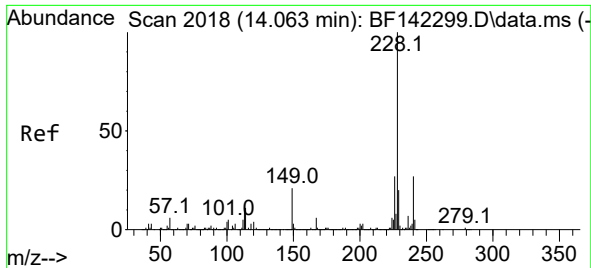
Tgt Ion:244 Resp: 813716
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.2
 122 10.8 9.0 13.4



#80
 Butylbenzylphthalate
 Concen: 3.745 ng
 RT: 13.674 min Scan# 1952
 Delta R.T. 0.182 min
 Lab File: BF142412.D
 Acq: 16 May 2025 00:58

Tgt Ion:149 Resp: 717
 Ion Ratio Lower Upper
 149 100
 91 69.2 53.8 80.6
 206 20.4 16.6 24.8

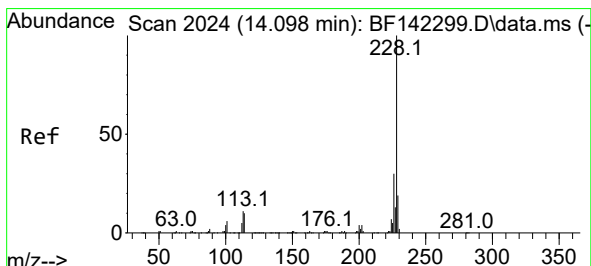
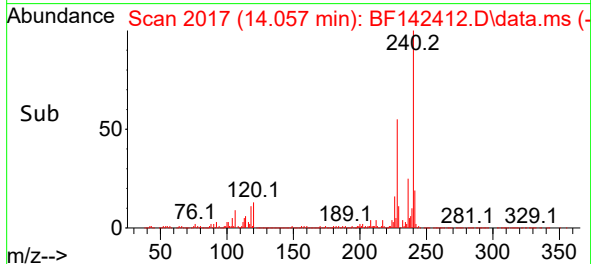
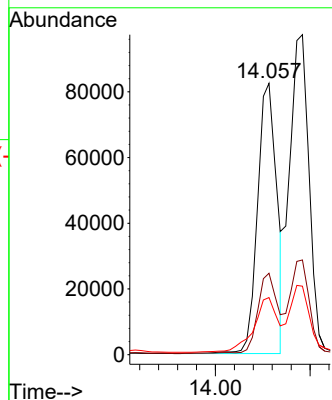
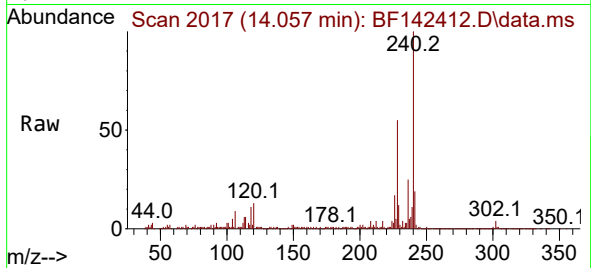




#81
Benzo(a)anthracene
Concen: 6.058 ng
RT: 14.057 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142412.D
Acq: 16 May 2025 00:58

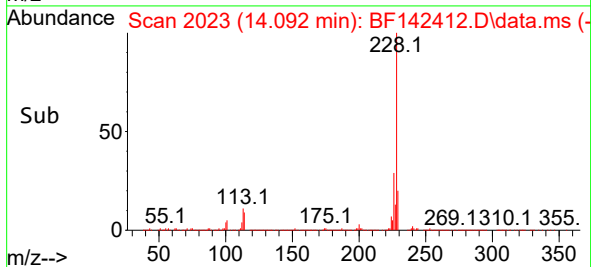
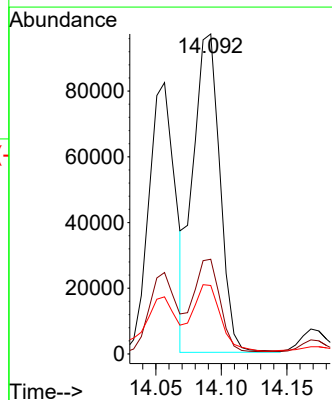
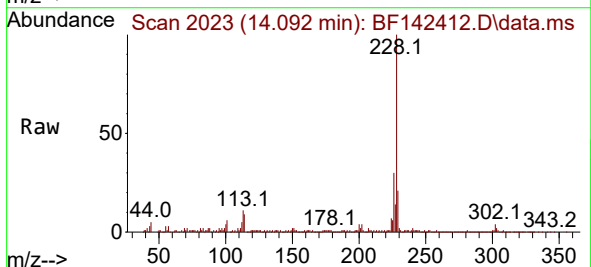
Instrument :
BNA_F
ClientSampleId :
TP-10

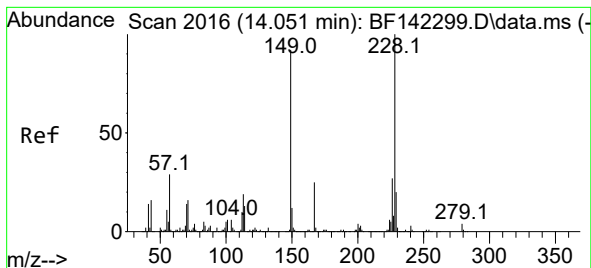
Tgt Ion:228 Resp: 115968
Ion Ratio Lower Upper
228 100
226 30.0 21.5 32.3
229 21.0 15.9 23.9



#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# 20

Delta R.T. -0.006 min

Lab File: BF142412.D

Acq: 16 May 2025 00:58

Instrument :

BNA_F

ClientSampleId :

TP-10

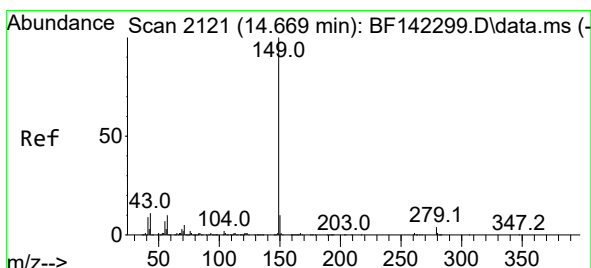
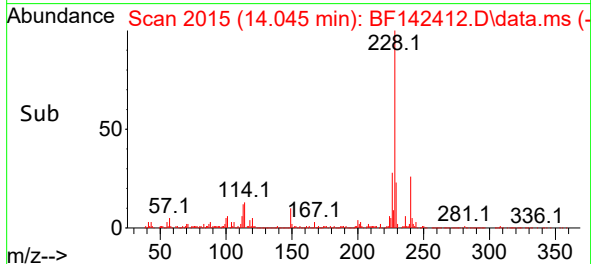
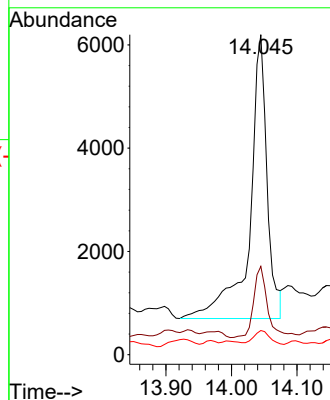
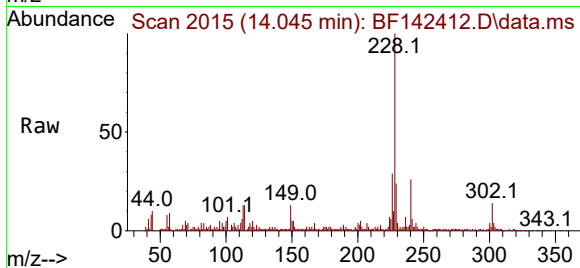
Tgt Ion:149 Resp: 10202

Ion Ratio Lower Upper

149 100

167 27.6 22.0 33.0

279 7.5 3.0 4.6#



#85

Di-n-octyl phthalate

Concen: 7.865 ng

RT: 14.704 min Scan# 2127

Delta R.T. 0.035 min

Lab File: BF142412.D

Acq: 16 May 2025 00:58

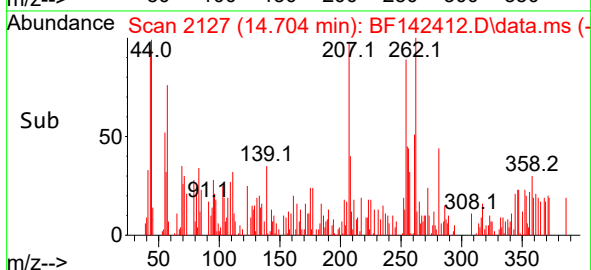
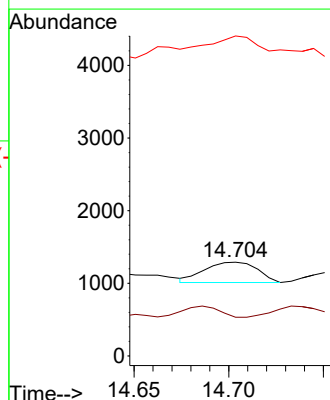
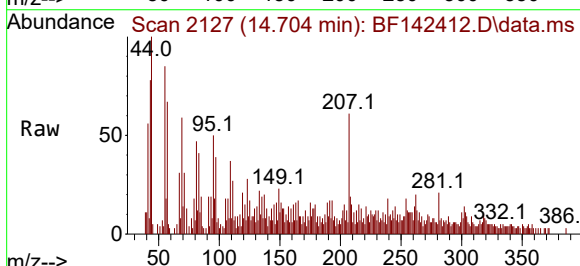
Tgt Ion:149 Resp: 543

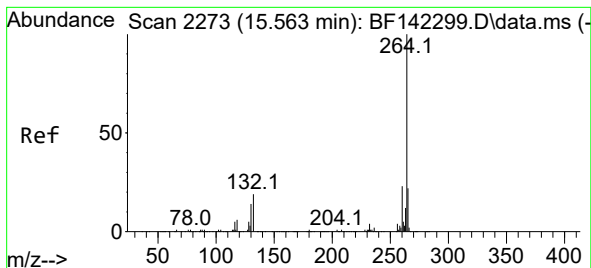
Ion Ratio Lower Upper

149 100

167 41.4 1.1 1.7#

43 0.0 9.2 13.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142412.D

Acq: 16 May 2025 00:58

Instrument :

BNA_F

ClientSampleId :

TP-10

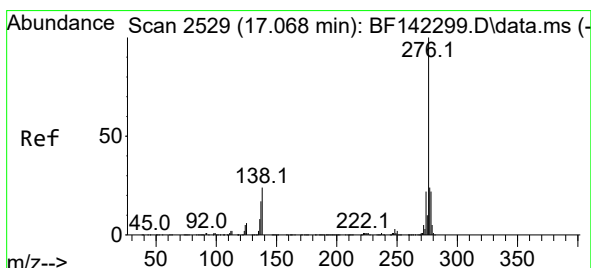
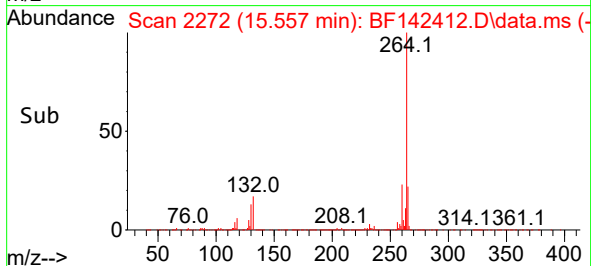
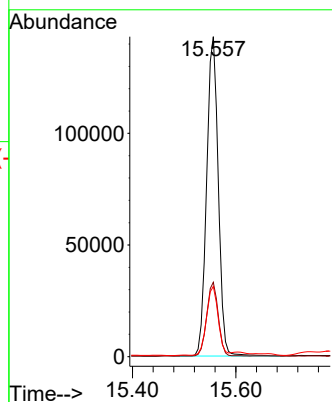
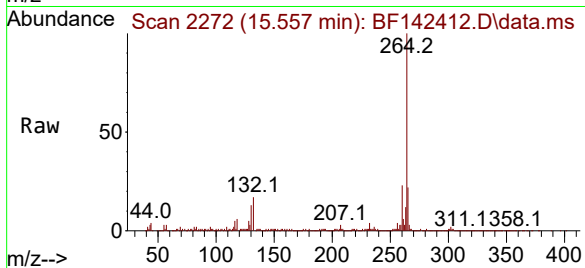
Tgt Ion:264 Resp: 223147

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# 2526

Delta R.T. -0.018 min

Lab File: BF142412.D

Acq: 16 May 2025 00:58

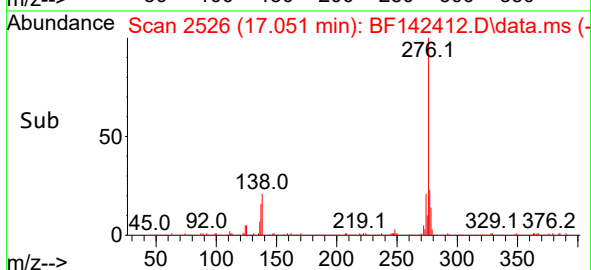
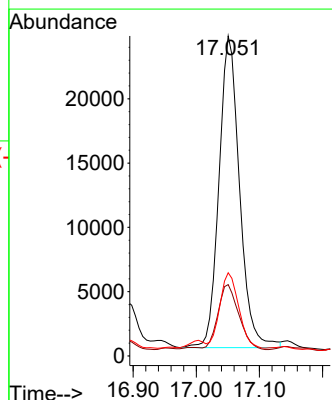
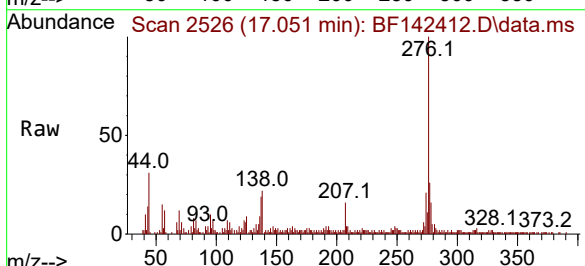
Tgt Ion:276 Resp: 54989

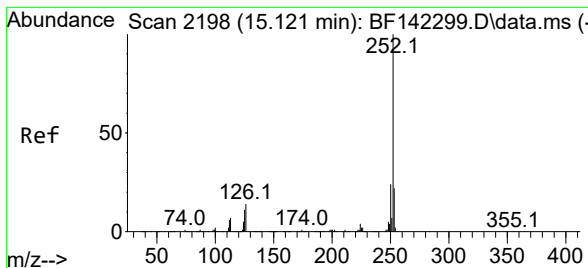
Ion Ratio Lower Upper

276 100

138 21.1 22.0 33.0#

277 23.5 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 14.022 ng

RT: 15.115 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF142412.D

Acq: 16 May 2025 00:58

Instrument :

BNA_F

ClientSampleId :

TP-10

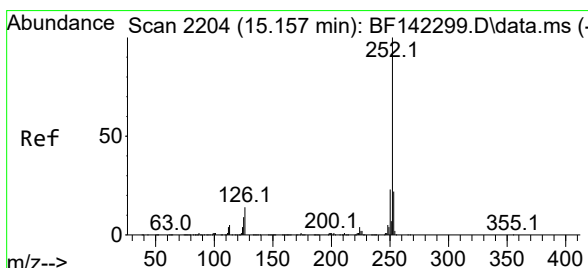
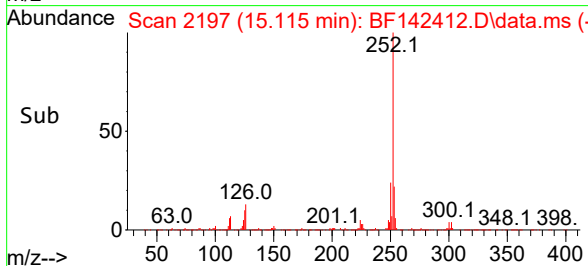
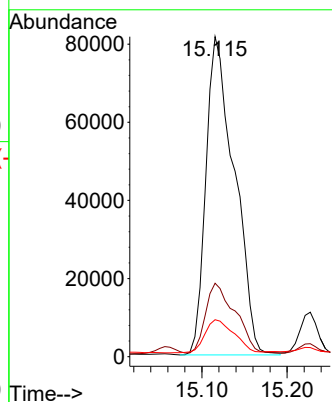
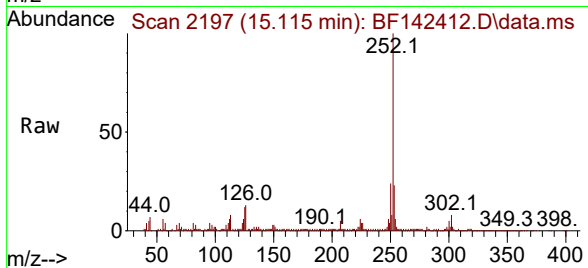
Tgt Ion:252 Resp: 189514

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: 15.323 ng

RT: 15.115 min Scan# 2197

Delta R.T. -0.041 min

Lab File: BF142412.D

Acq: 16 May 2025 00:58

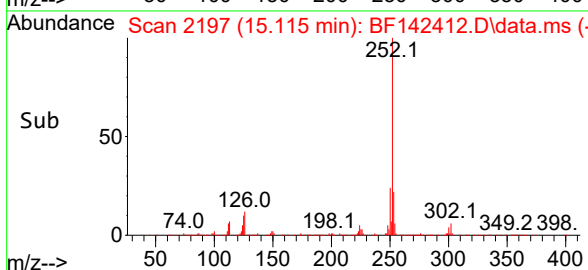
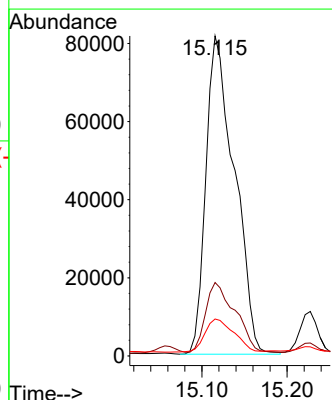
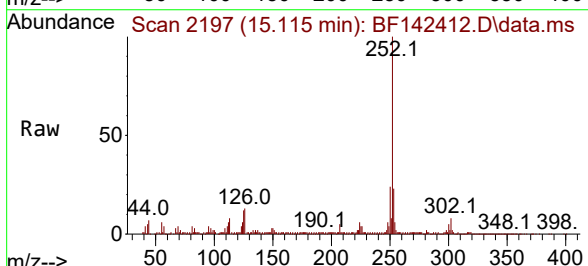
Tgt Ion:252 Resp: 189514

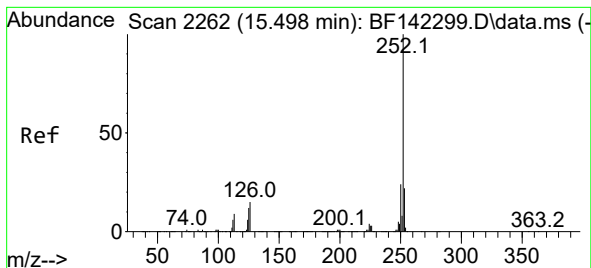
Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 11.6 8.1 12.1





#90

Benzo(a)pyrene

Concen: 7.109 ng

RT: 15.486 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF142412.D

Acq: 16 May 2025 00:58

Instrument :

BNA_F

ClientSampleId :

TP-10

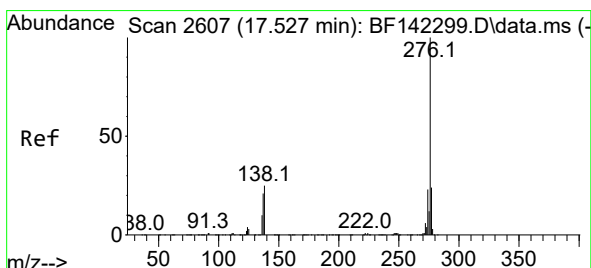
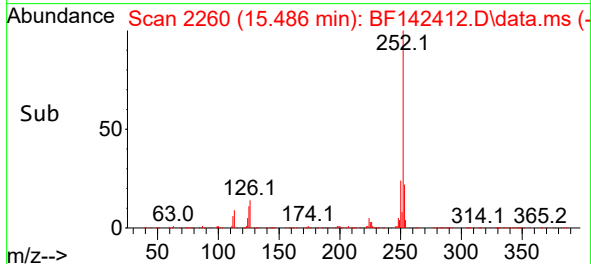
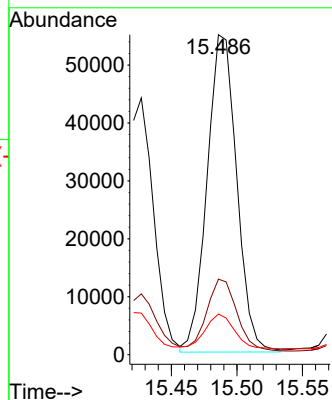
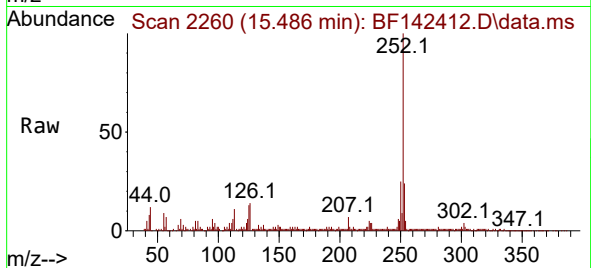
Tgt Ion:252 Resp: 86100

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# 2604

Delta R.T. -0.018 min

Lab File: BF142412.D

Acq: 16 May 2025 00:58

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

