

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022425\
 Data File : BF141737.D
 Acq On : 24 Feb 2025 11:27
 Operator : RC/JU
 Sample : Q1397-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP8

Quant Time: Feb 24 11:54:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	83842	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	335753	20.000	ng	-0.02
39) Acenaphthene-d10	9.810	164	177762	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	295344	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	186258	20.000	ng	-0.03
86) Perylene-d12	15.380	264	196166	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	633331	118.425	ng	0.00
7) Phenol-d6	6.422	99	784939	116.126	ng	-0.02
23) Nitrobenzene-d5	7.345	82	510976	79.379	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	179850	100.717	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	964851	83.623	ng	-0.02
79) Terphenyl-d14	12.880	244	950817	86.178	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	68146	16.855	ng	# 71
25) Isophorone	7.345	82	503630	49.068	ng	# 66
50) Dimethylphthalate	9.810	163	24609	2.039	ng	# 1
51) 2,6-Dinitrotoluene	9.810	165	24067	9.123	ng	# 22
57) 2,4-Dinitrotoluene	9.810	165	24067	6.853	ng	# 19
63) Azobenzene	10.528	77	72991	6.184	ng	# 1
67) 4-Bromophenyl-phenylether	10.604	248	12137	3.677	ng	# 1
71) Phenanthrene	11.322	178	79173	4.870	ng	99
75) Fluoranthene	12.510	202	140598	8.157	ng	99
78) Pyrene	12.739	202	117646	7.420	ng	99
80) Butylbenzylphthalate	13.139	149	510909	93.029	ng	# 24
81) Benzo(a)anthracene	13.927	228	56315	4.548	ng	97
83) Chrysene	13.963	228	45393	3.971	ng	96
87) Indeno(1,2,3-cd)pyrene	16.804	276	32005	2.640	ng	97
88) Benzo(b)fluoranthene	14.963	252	85294	6.476	ng	# 97
89) Benzo(k)fluoranthene	14.963	252	85294	7.583	ng	98
90) Benzo(a)pyrene	15.315	252	45755	4.293	ng	96
92) Benzo(g,h,i)perylene	17.239	276	32279	3.141	ng	99

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

Instrument :

BNA F

ClientSampleId :

TP8

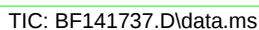
Quant Time: Feb 24 11:54:56 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Feb 06 16:58:59 2025

Response via : Initial Calibration

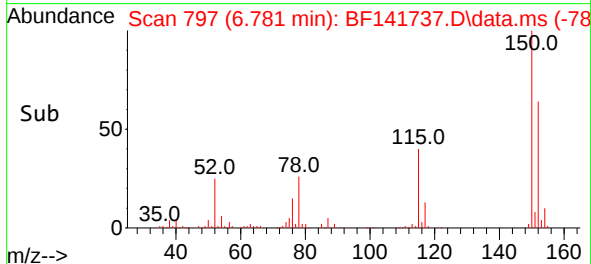
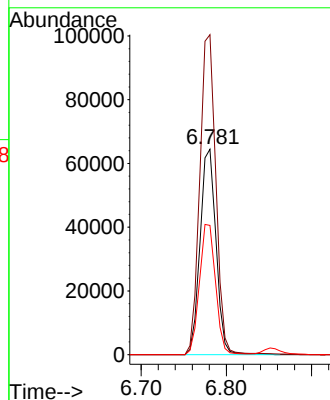
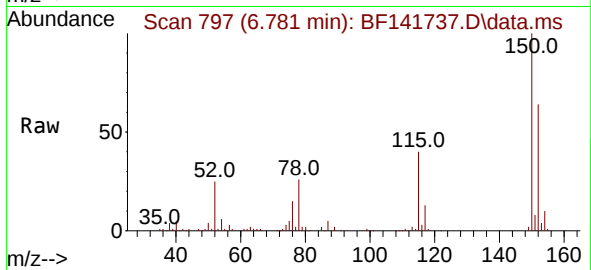




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

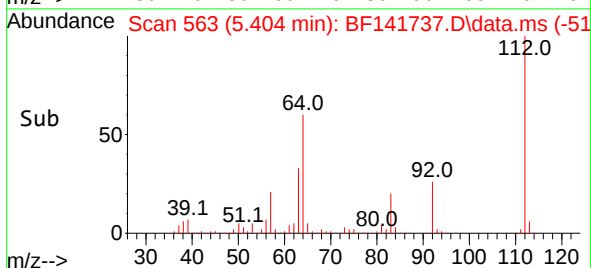
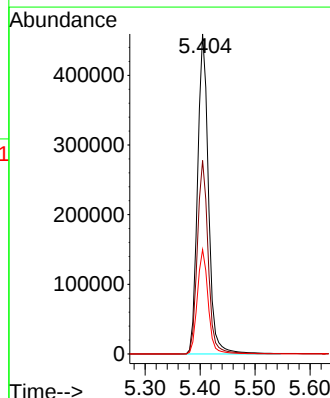
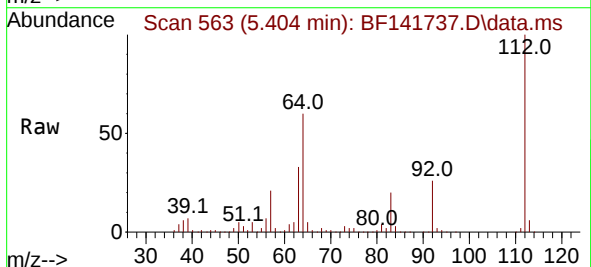
Instrument :
BNA_F
ClientSampleId :
TP8

Tgt Ion:152 Resp: 83842
Ion Ratio Lower Upper
152 100
150 155.8 125.0 187.4
115 62.9 53.6 80.4



#5
2-Fluorophenol
Concen: 118.425 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

Tgt Ion:112 Resp: 633331
Ion Ratio Lower Upper
112 100
64 60.4 51.1 76.7
63 32.6 28.4 42.6

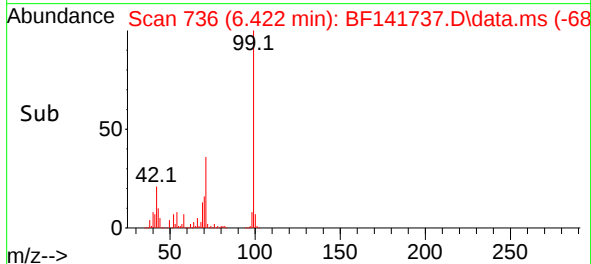
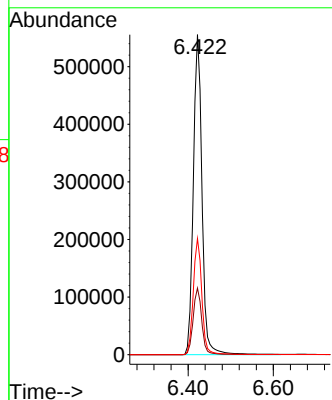
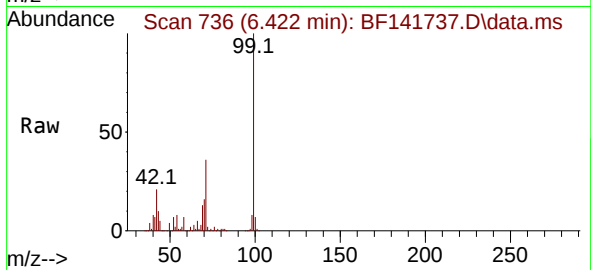




#7
Phenol-d6
Concen: 116.126 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

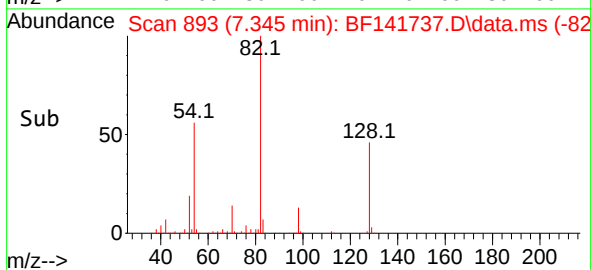
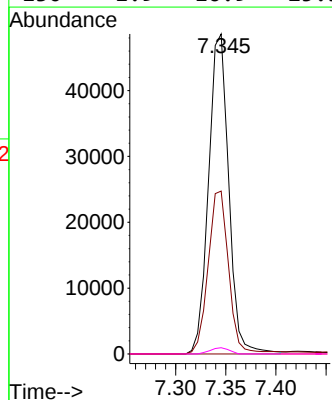
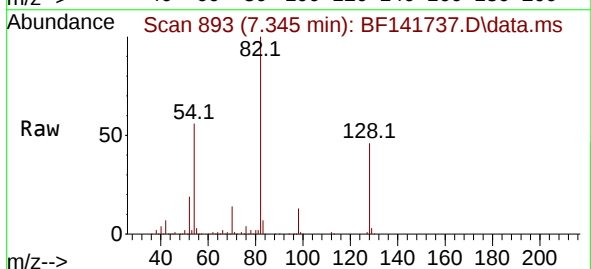
Instrument :
BNA_F
ClientSampleId :
TP8

Tgt Ion: 99 Resp: 784939
Ion Ratio Lower Upper
99 100
42 20.8 19.1 28.7
71 36.3 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 16.855 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

Tgt Ion: 70 Resp: 68146
Ion Ratio Lower Upper
70 100
42 50.9 57.4 86.2#
101 0.0 8.0 12.0#
130 1.9 16.9 25.3#

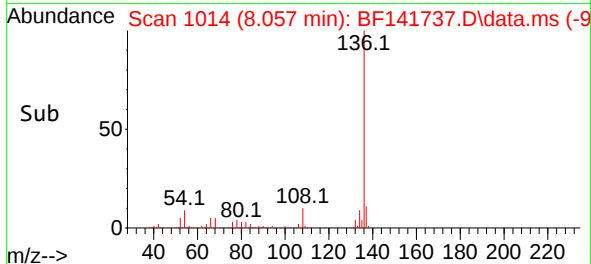
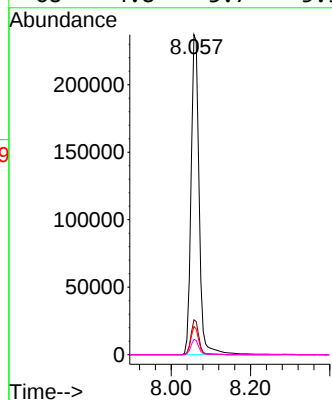
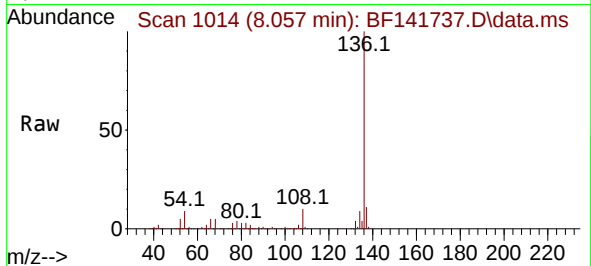




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1014
Delta R.T. -0.017 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

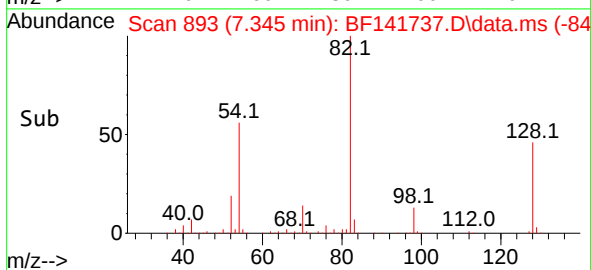
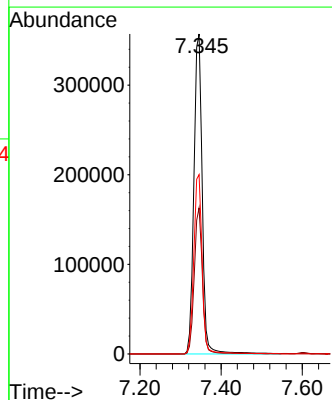
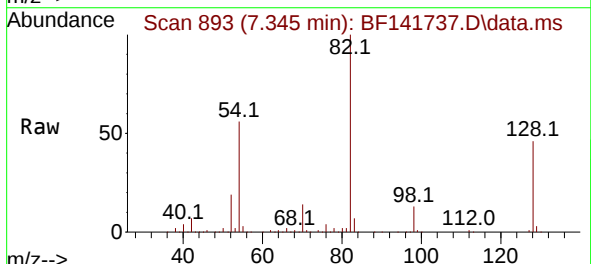
Instrument :
BNA_F
ClientSampleId :
TP8

Tgt Ion:136 Resp: 335753
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.8 7.2 10.8
68 4.8 3.7 5.5



#23
Nitrobenzene-d5
Concen: 79.379 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.017 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

Tgt Ion: 82 Resp: 510976
Ion Ratio Lower Upper
82 100
128 45.6 34.8 52.2
54 56.0 48.2 72.4

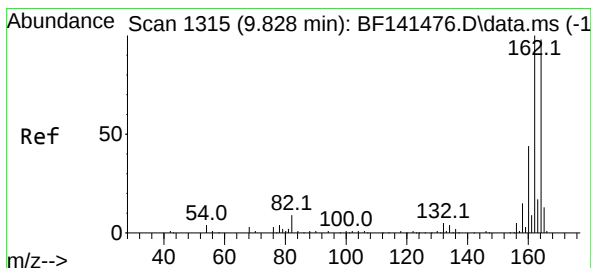
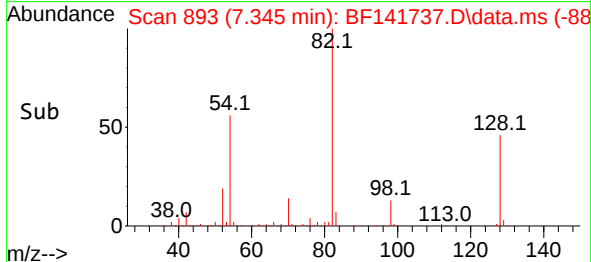
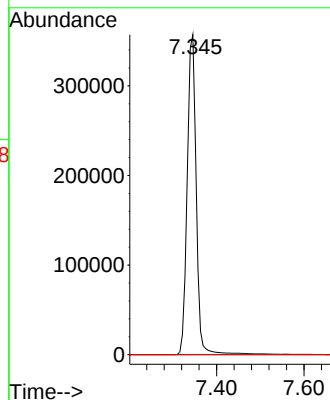
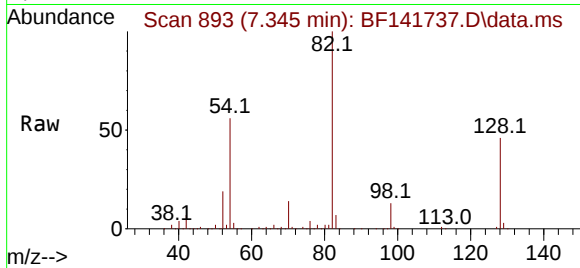




#25
Isophorone
Concen: 49.068 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

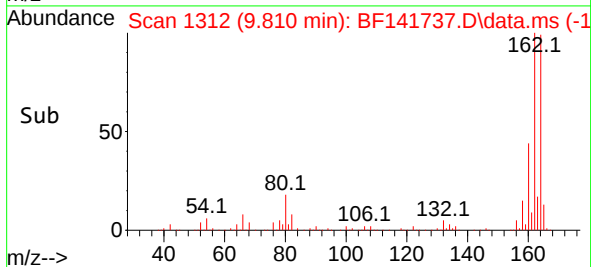
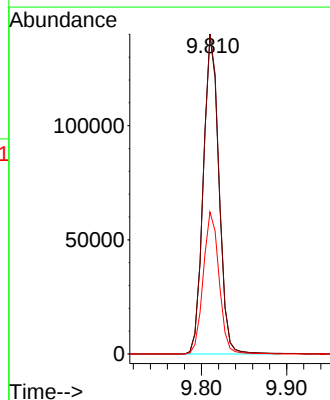
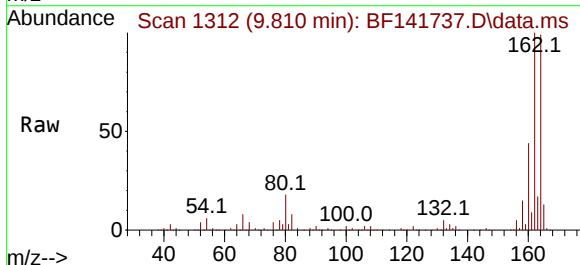
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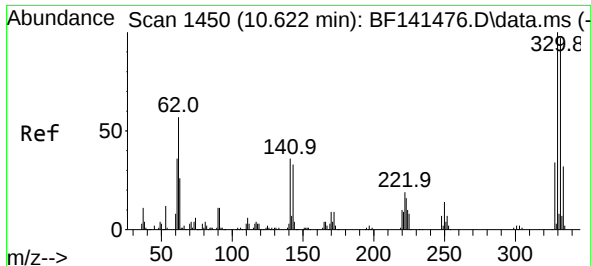
Tgt Ion: 82 Resp: 503630
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.023 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

Tgt Ion: 164 Resp: 177762
Ion Ratio Lower Upper
164 100
162 100.5 81.3 121.9
160 44.6 35.9 53.9

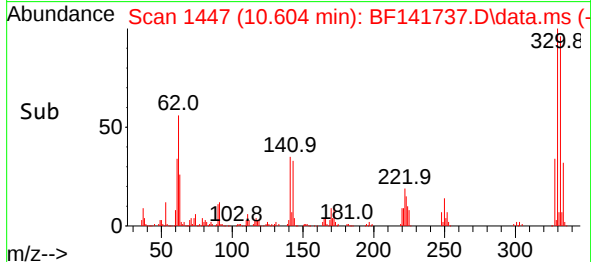
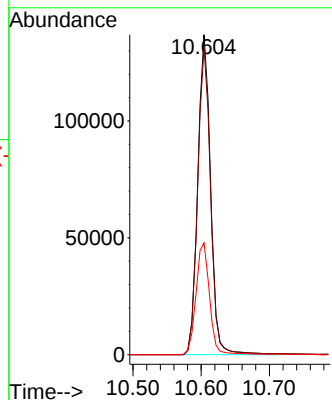
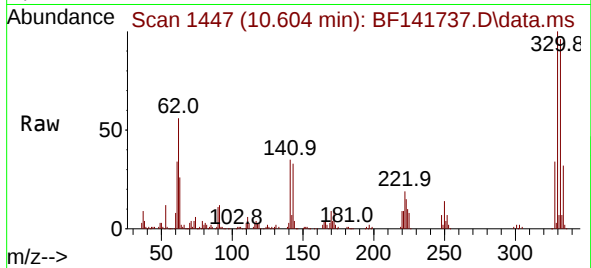




#42
2,4,6-Tribromophenol
Concen: 100.717 ng
RT: 10.604 min Scan# 1450
Delta R.T. -0.023 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

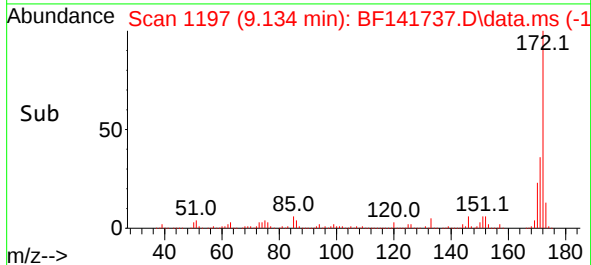
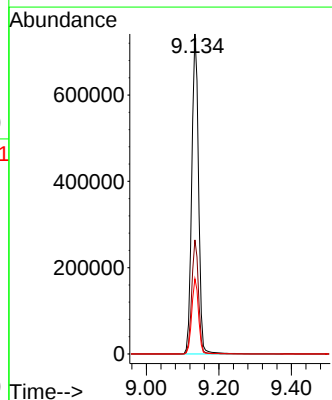
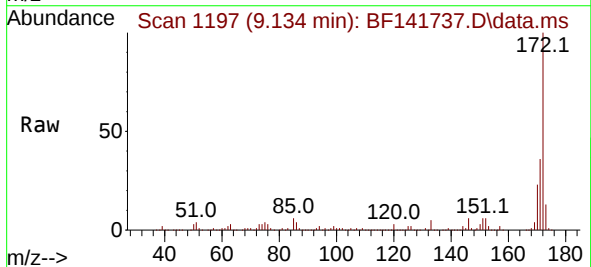
Instrument :
BNA_F
ClientSampleId :
TP8

Tgt Ion:330 Resp: 179850
Ion Ratio Lower Upper
330 100
332 96.0 78.5 117.7
141 36.7 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 83.623 ng
RT: 9.134 min Scan# 1197
Delta R.T. -0.017 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

Tgt Ion:172 Resp: 964851
Ion Ratio Lower Upper
172 100
171 35.7 28.7 43.1
170 23.5 18.9 28.3

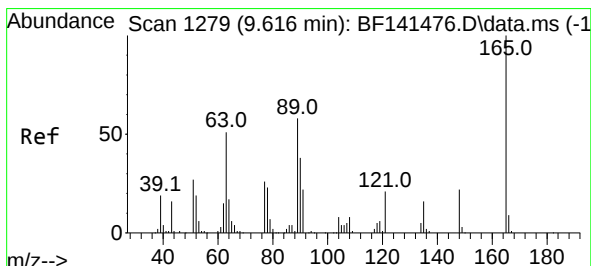
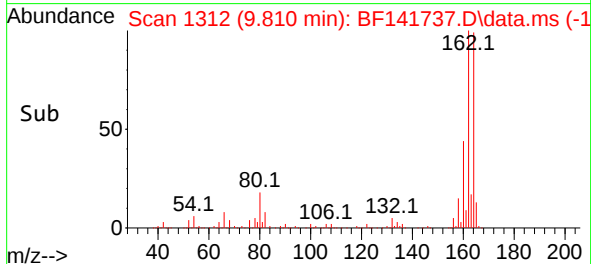
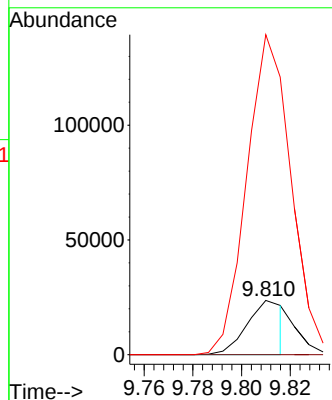
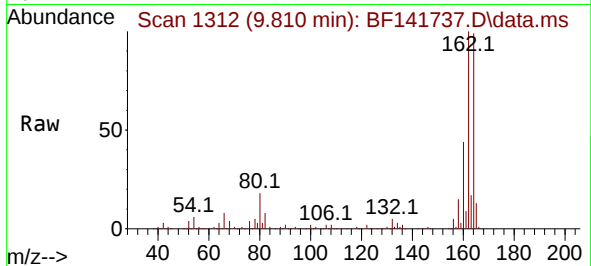




#50
Dimethylphthalate
Concen: 2.039 ng
RT: 9.810 min Scan# 1312
Delta R.T. 0.247 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

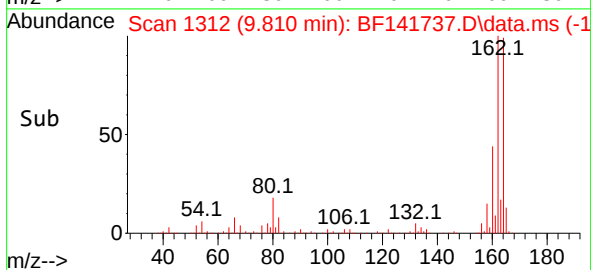
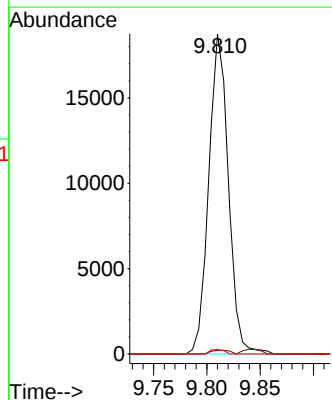
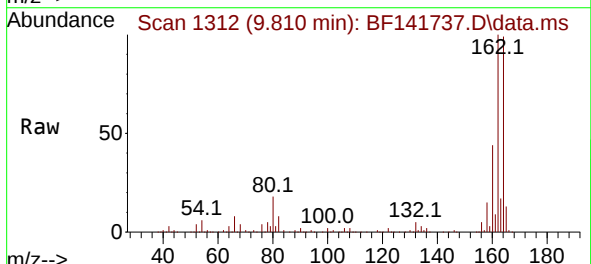
Instrument :
BNA_F
ClientSampleId :
TP8

Tgt Ion:163 Resp: 24609
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 590.3 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 9.123 ng
RT: 9.810 min Scan# 1312
Delta R.T. 0.188 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

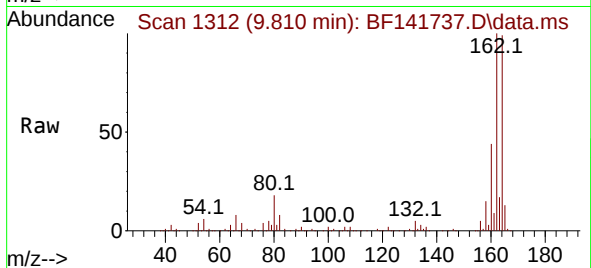
Tgt Ion:165 Resp: 24067
Ion Ratio Lower Upper
165 100
63 1.1 49.4 74.0#
89 1.4 46.5 69.7#



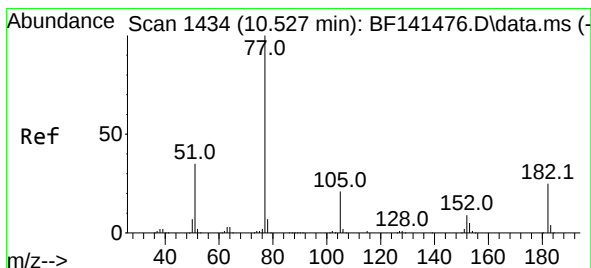
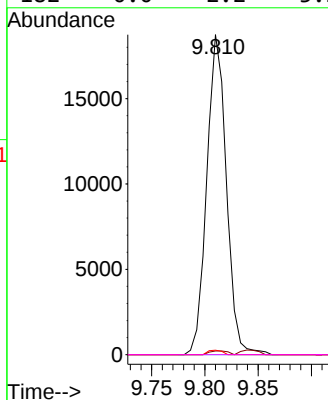
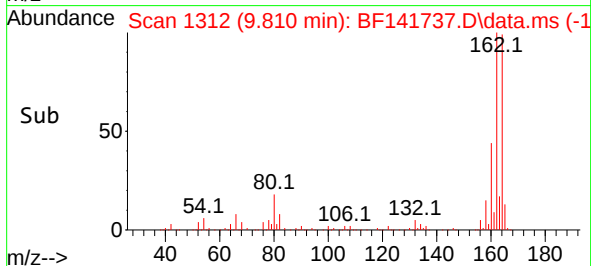


#57
2,4-Dinitrotoluene
Concen: 6.853 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.217 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

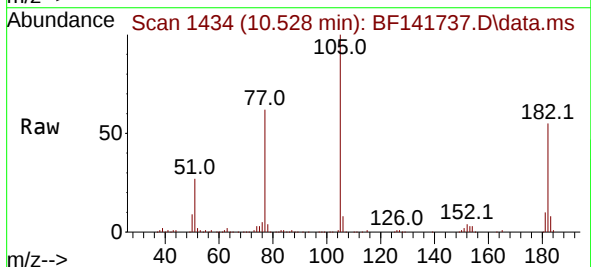
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ClientSampleId :
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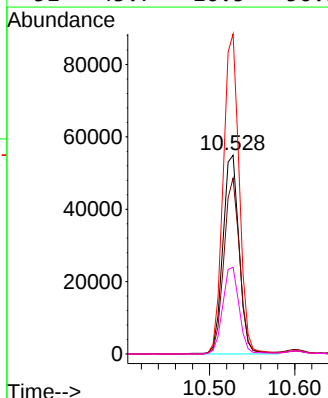
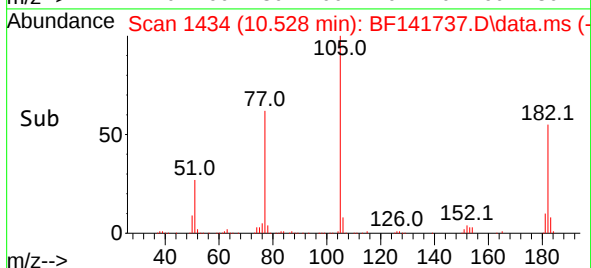
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Ion Ratio Lower Upper
165 100
63 1.1 46.4 69.6#
89 1.4 61.8 92.6#
182 0.0 2.2 3.2#

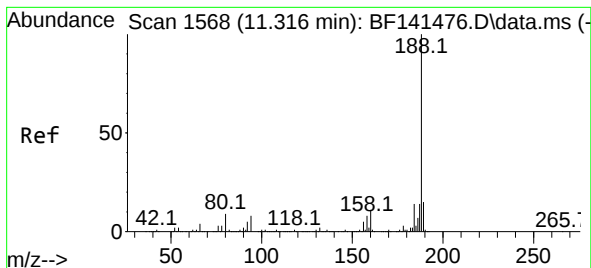


#63
Azobenzene
Concen: 6.184 ng
RT: 10.528 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27



Tgt Ion: 77 Resp: 72991
Ion Ratio Lower Upper
77 100
182 88.4 4.7 44.7#
105 161.0 0.4 40.4#
51 43.7 16.5 56.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 1

Delta R.T. -0.017 min

Lab File: BF141737.D

Acq: 24 Feb 2025 11:27

Instrument :

BNA_F

ClientSampleId :

TP8

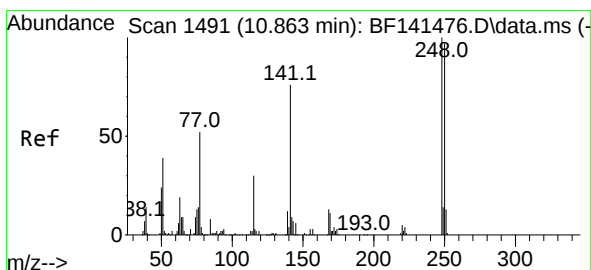
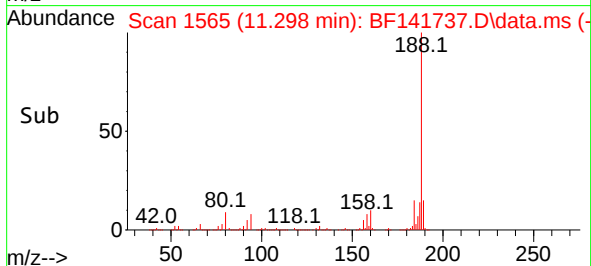
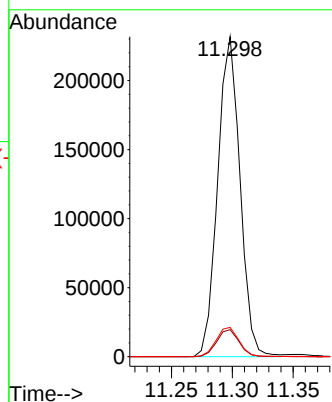
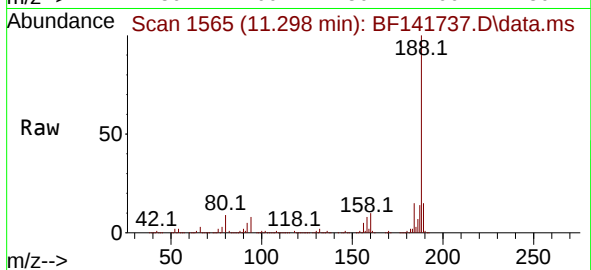
Tgt Ion:188 Resp: 295344

Ion Ratio Lower Upper

188 100

94 8.5 6.6 10.0

80 9.1 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 3.677 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.259 min

Lab File: BF141737.D

Acq: 24 Feb 2025 11:27

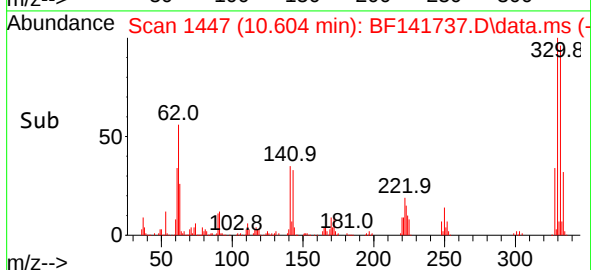
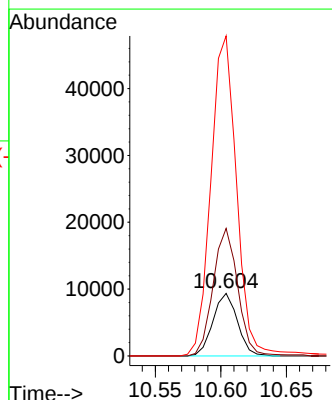
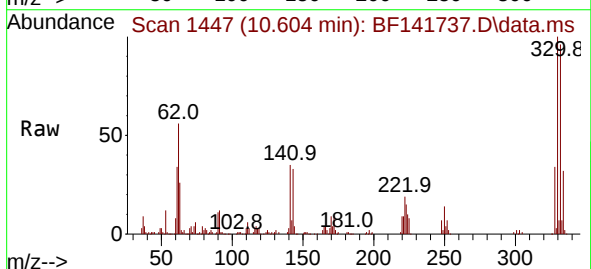
Tgt Ion:248 Resp: 12137

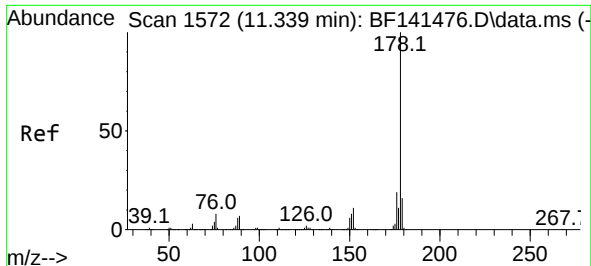
Ion Ratio Lower Upper

248 100

250 203.5 77.8 116.6#

141 510.9 60.6 90.8#

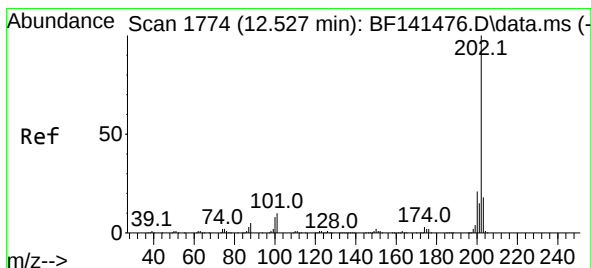
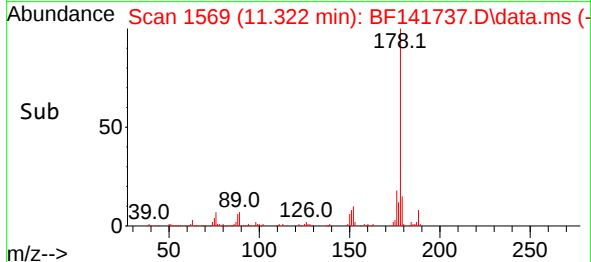
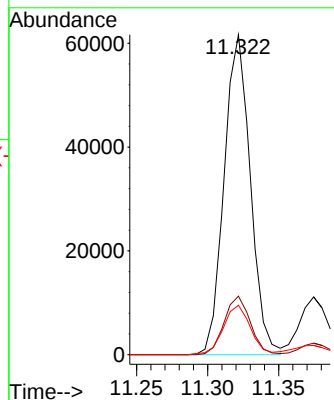
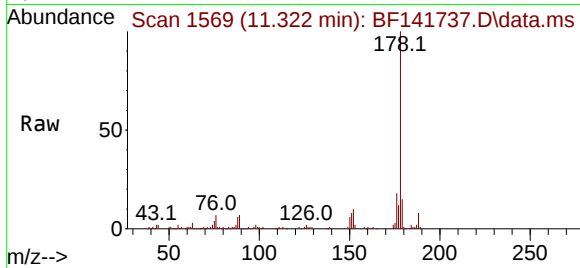




#71
Phenanthrene
Concen: 4.870 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.023 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

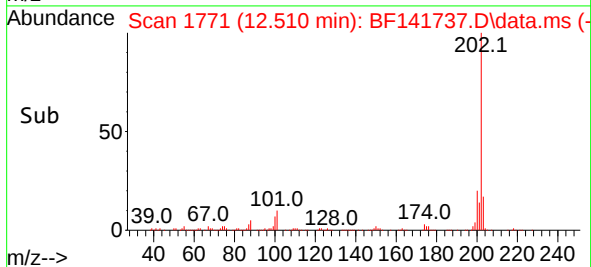
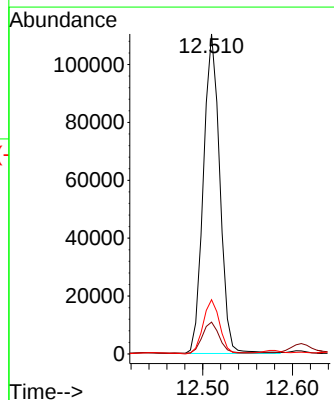
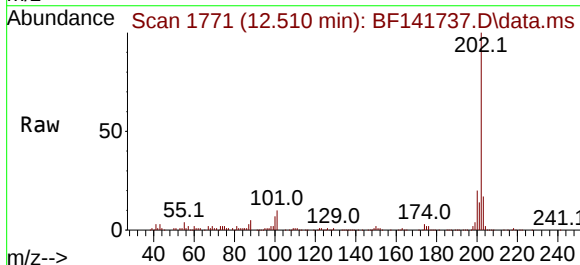
Instrument :
BNA_F
ClientSampleId :
TP8

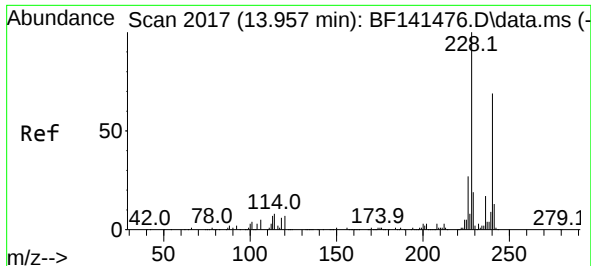
Tgt Ion:178 Resp: 79173
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.0
179 15.5 12.4 18.6



#75
Fluoranthene
Concen: 8.157 ng
RT: 12.510 min Scan# 1771
Delta R.T. -0.023 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

Tgt Ion:202 Resp: 140598
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.2
203 16.9 0.0 37.6

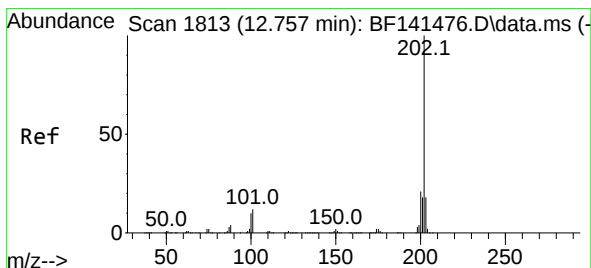
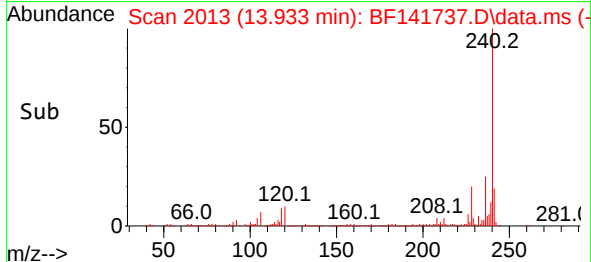
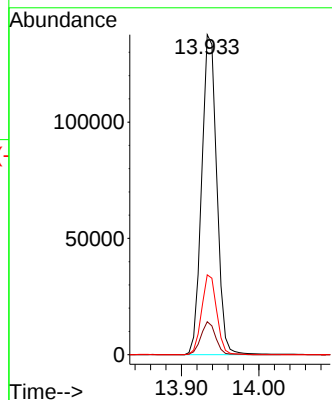
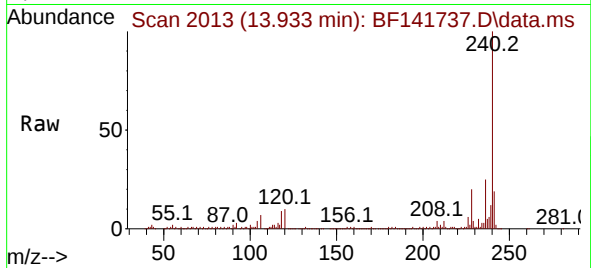




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 20
Delta R.T. -0.029 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

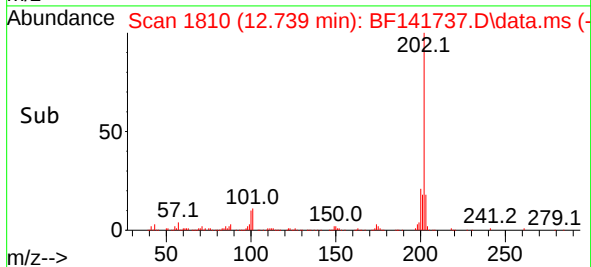
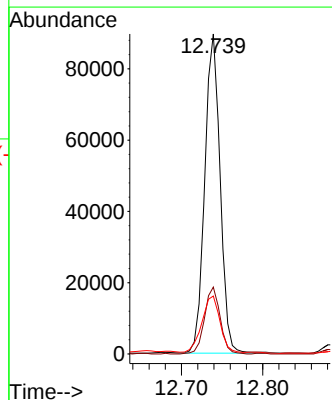
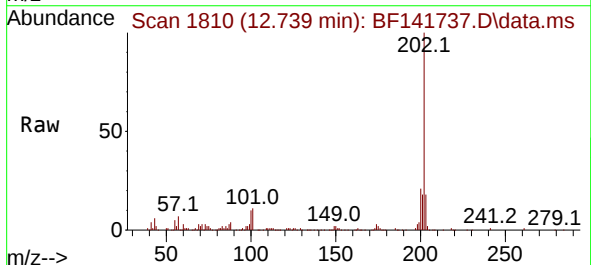
Instrument :
BNA_F
ClientSampleId :
TP8

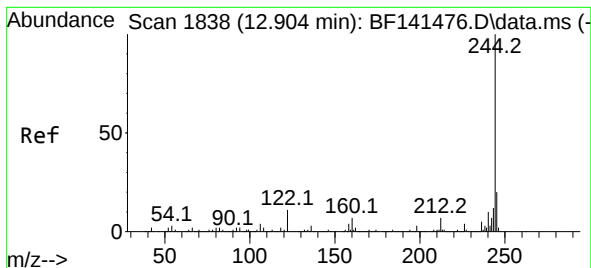
Tgt Ion:240 Resp: 186258
Ion Ratio Lower Upper
240 100
120 10.3 8.0 12.0
236 25.0 19.8 29.8



#78
Pyrene
Concen: 7.420 ng
RT: 12.739 min Scan# 1810
Delta R.T. -0.023 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

Tgt Ion:202 Resp: 117646
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.4
203 18.1 14.3 21.5





#79

Terphenyl-d14

Concen: 86.178 ng

RT: 12.880 min Scan# 1834

Delta R.T. -0.023 min

Lab File: BF141737.D

Acq: 24 Feb 2025 11:27

Instrument :

BNA_F

ClientSampleId :

TP8

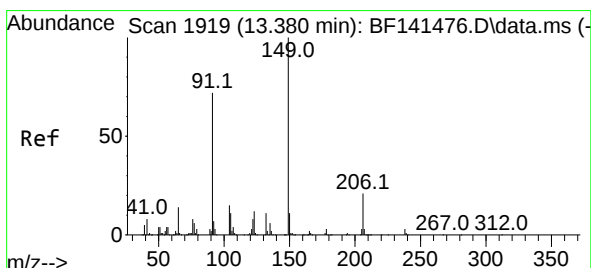
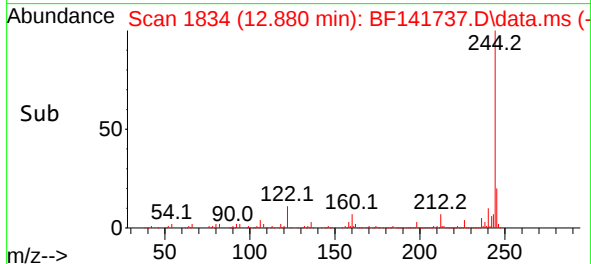
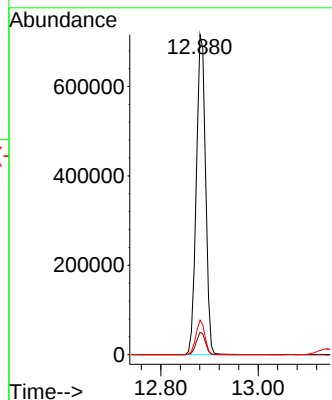
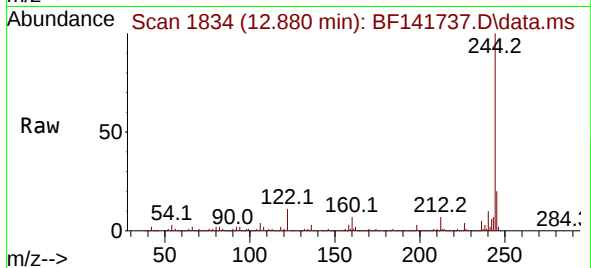
Tgt Ion:244 Resp: 950817

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 10.8 8.4 12.6



#80

Butylbenzylphthalate

Concen: 93.029 ng

RT: 13.139 min Scan# 1878

Delta R.T. -0.241 min

Lab File: BF141737.D

Acq: 24 Feb 2025 11:27

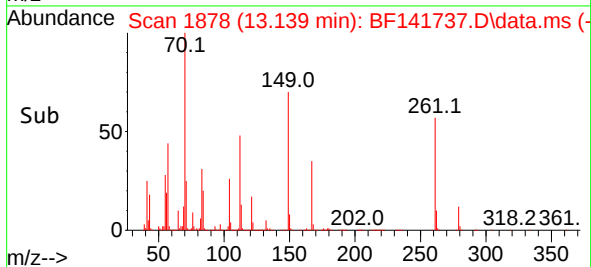
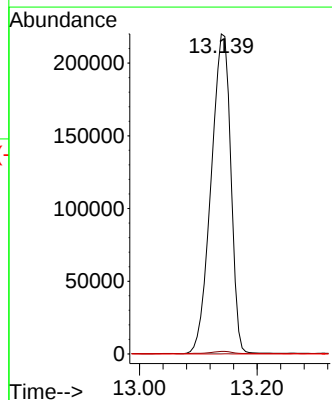
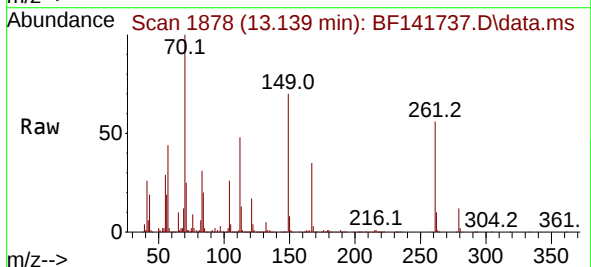
Tgt Ion:149 Resp: 510909

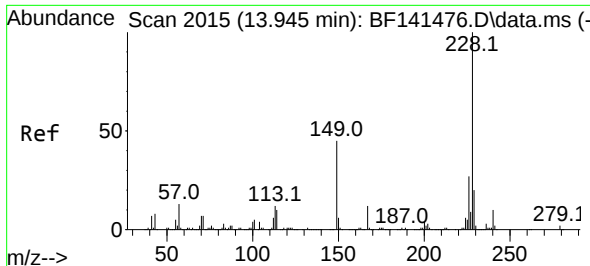
Ion Ratio Lower Upper

149 100

91 0.8 57.8 86.8#

206 0.0 16.7 25.1#

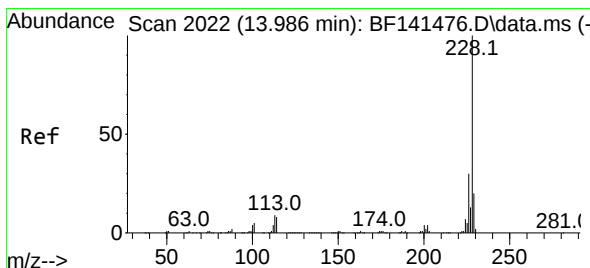
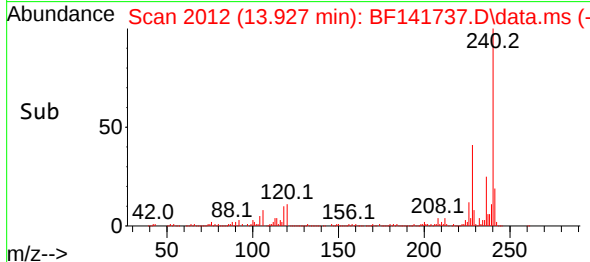
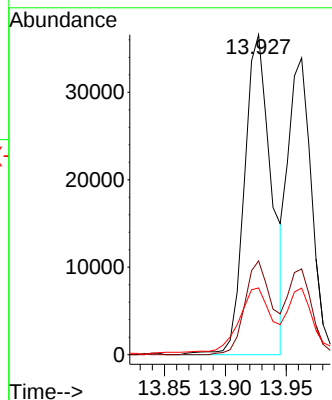
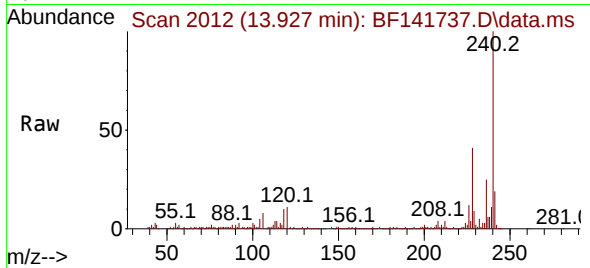




#81
Benzo(a)anthracene
Concen: 4.548 ng
RT: 13.927 min Scan# 2018
Delta R.T. -0.023 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

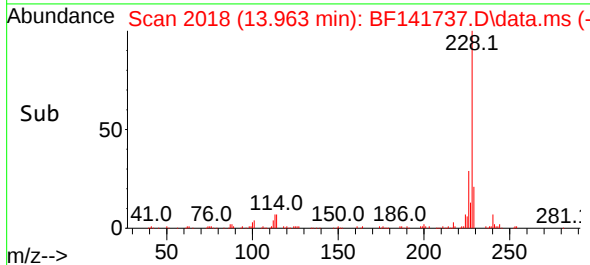
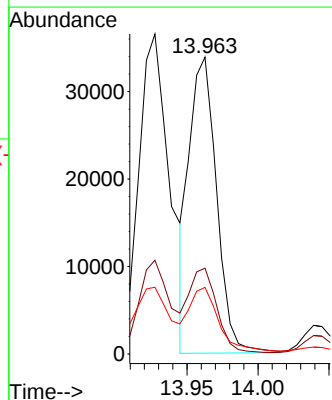
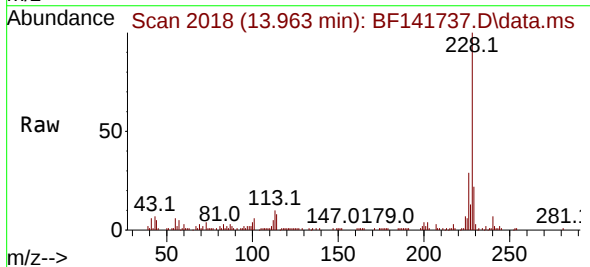
Instrument :
BNA_F
ClientSampleId :
TP8

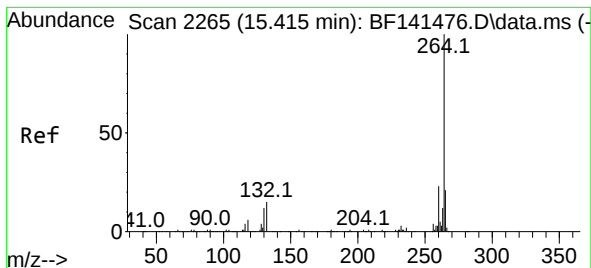
Tgt Ion:228 Resp: 56315
Ion Ratio Lower Upper
228 100
226 29.3 21.8 32.8
229 20.8 15.8 23.6



#83
Chrysene
Concen: 3.971 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.029 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

Tgt Ion:228 Resp: 45393
Ion Ratio Lower Upper
228 100
226 28.9 24.0 36.0
229 22.4 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.380 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF141737.D

Acq: 24 Feb 2025 11:27

Instrument :

BNA_F

ClientSampleId :

TP8

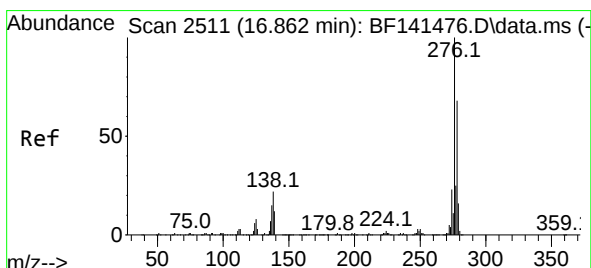
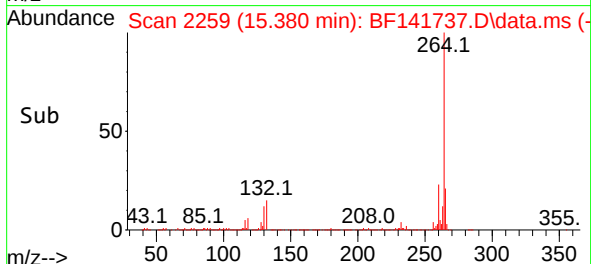
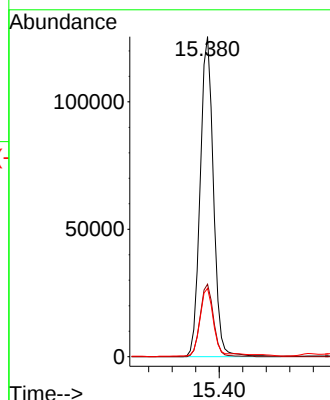
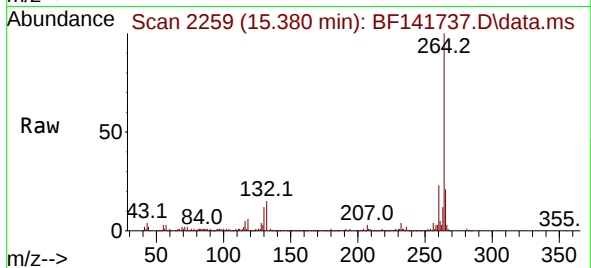
Tgt Ion:264 Resp: 196166

Ion Ratio Lower Upper

264 100

260 22.7 18.6 28.0

265 21.3 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.640 ng

RT: 16.804 min Scan# 2501

Delta R.T. -0.070 min

Lab File: BF141737.D

Acq: 24 Feb 2025 11:27

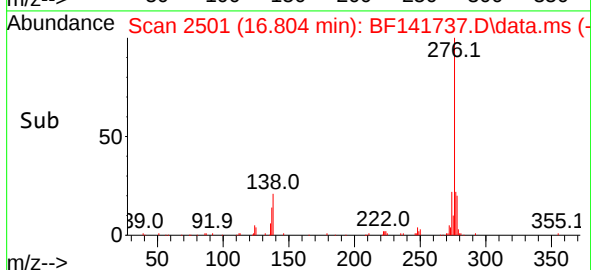
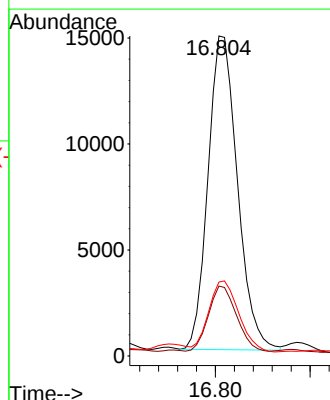
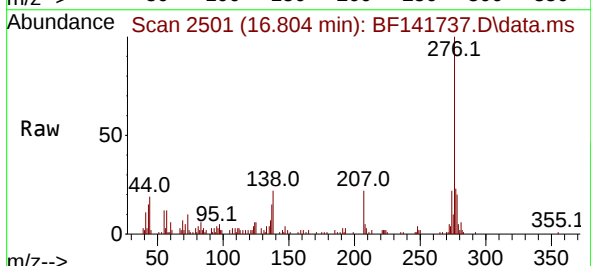
Tgt Ion:276 Resp: 32005

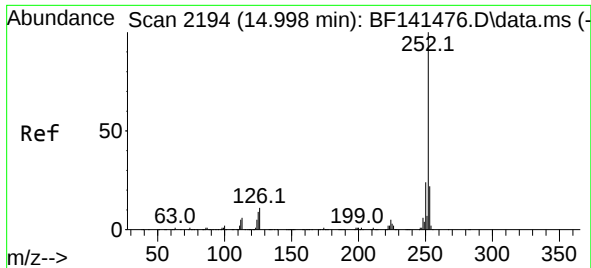
Ion Ratio Lower Upper

276 100

138 23.4 18.0 27.0

277 23.2 20.4 30.6

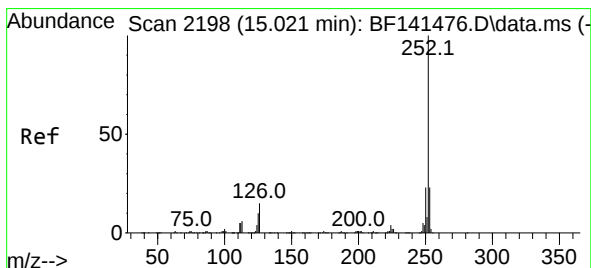
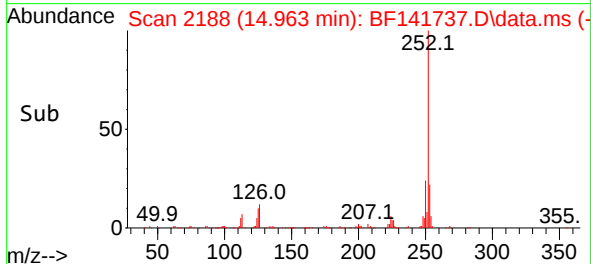
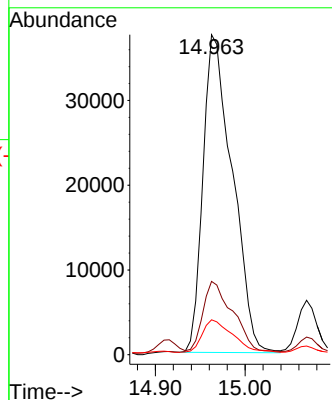
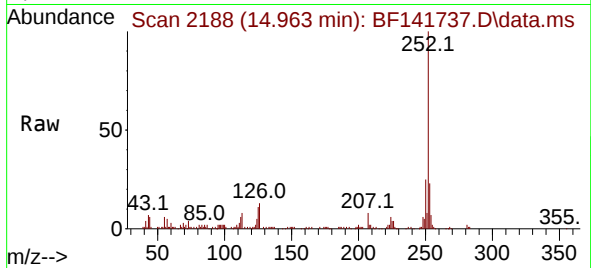




#88
Benzo(b)fluoranthene
Concen: 6.476 ng
RT: 14.963 min Scan# 2188
Delta R.T. -0.041 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

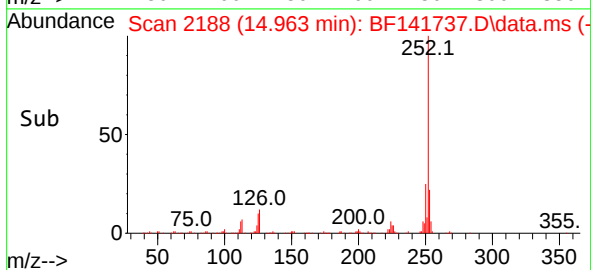
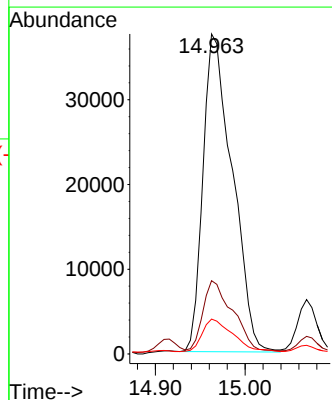
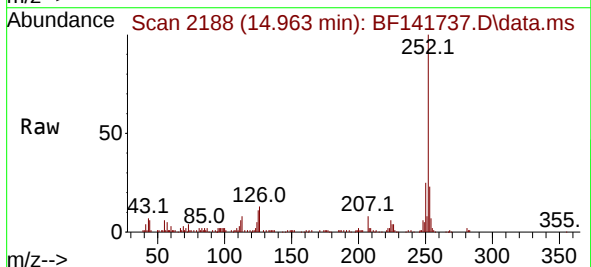
Instrument :
BNA_F
ClientSampleId :
TP8

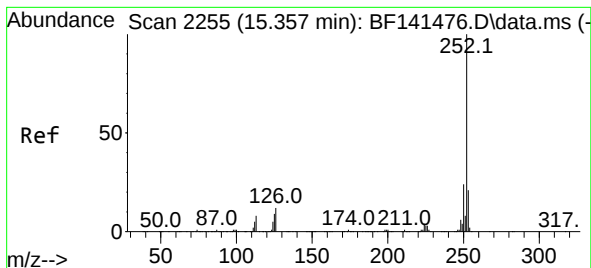
Tgt Ion:252 Resp: 85294
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 10.9 7.0 10.6#



#89
Benzo(k)fluoranthene
Concen: 7.583 ng
RT: 14.963 min Scan# 2188
Delta R.T. -0.070 min
Lab File: BF141737.D
Acq: 24 Feb 2025 11:27

Tgt Ion:252 Resp: 85294
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 10.9 7.4 11.0





#90

Benzo(a)pyrene

Concen: 4.293 ng

RT: 15.315 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF141737.D

Acq: 24 Feb 2025 11:27

Instrument :

BNA_F

ClientSampleId :

TP8

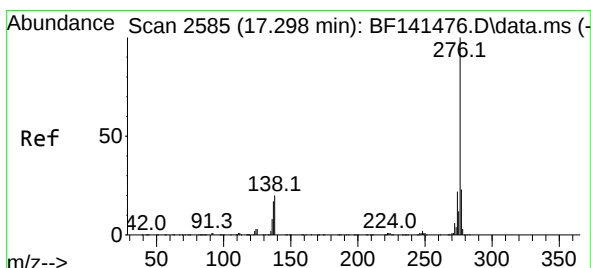
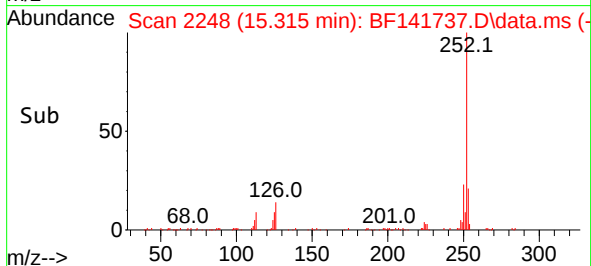
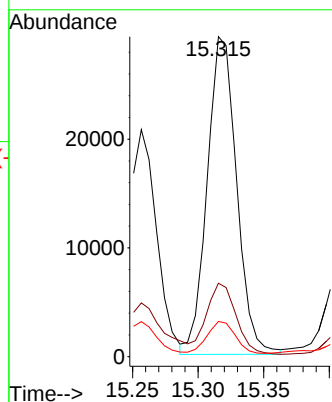
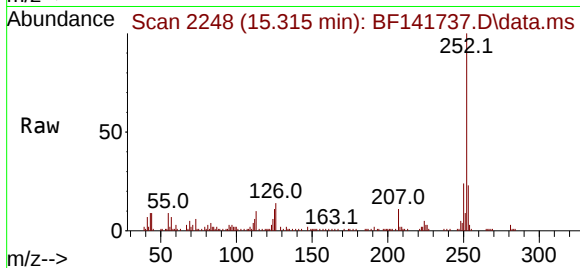
Tgt Ion:252 Resp: 45755

Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

125 11.0 7.4 11.2



#92

Benzo(g,h,i)perylene

Concen: 3.141 ng

RT: 17.239 min Scan# 2575

Delta R.T. -0.076 min

Lab File: BF141737.D

Acq: 24 Feb 2025 11:27

Tgt Ion:276 Resp: 32279

Ion Ratio Lower Upper

276 100

277 22.9 18.6 28.0

138 19.7 15.9 23.9

