

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011625\
 Data File : BF141190.D
 Acq On : 16 Jan 2025 17:24
 Operator : RC/JU
 Sample : Q1093-01 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-3407

Quant Time: Jan 16 22:45:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

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

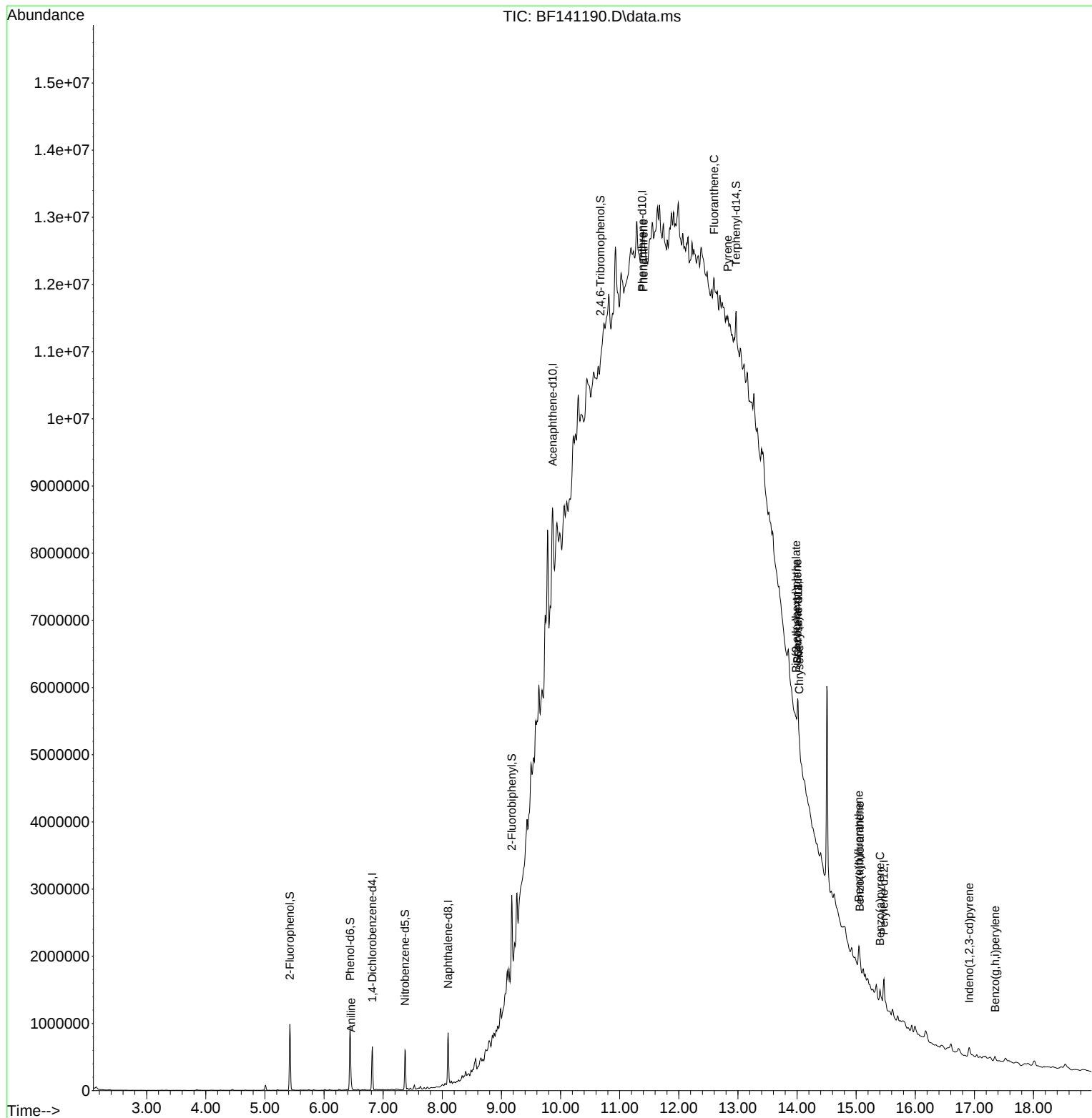
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	132711	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	465537	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	168370	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	218161	20.000	ng	# 0.04
76) Chrysene-d12	14.016	240	270540	20.000	ng	# 0.03
86) Perylene-d12	15.468	264	242326	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	365921	42.594	ng	0.00
7) Phenol-d6	6.440	99	441827	40.601	ng	0.00
23) Nitrobenzene-d5	7.369	82	264367	30.102	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	89854	46.836	ng	0.02
45) 2-Fluorobiphenyl	9.175	172	427270	38.752	ng	0.00
79) Terphenyl-d14	12.969	244	396181	21.766	ng	0.04
Target Compounds						
						Qvalue
6) Aniline	6.457	93	27974	2.895	ng	# 76
71) Phenanthrene	11.404	178	63113	5.389	ng	# 1
75) Fluoranthene	12.598	202	167211	14.306	ng	# 67
78) Pyrene	12.827	202	176360	6.825	ng	# 73
81) Benzo(a)anthracene	14.004	228	142565	7.743	ng	# 84
83) Chrysene	14.039	228	125435	7.281	ng	# 89
84) Bis(2-ethylhexyl)phtha...	13.986	149	94469	9.139	ng	# 83
87) Indeno(1,2,3-cd)pyrene	16.909	276	79505	4.478	ng	94
88) Benzo(b)fluoranthene	15.045	252	202935m	12.987	ng	
89) Benzo(k)fluoranthene	15.063	252	54406m	4.120	ng	
90) Benzo(a)pyrene	15.404	252	113471	8.801	ng	# 82
92) Benzo(g,h,i)perylene	17.351	276	73470	4.919	ng	96

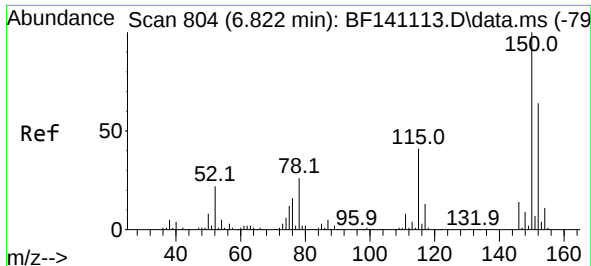
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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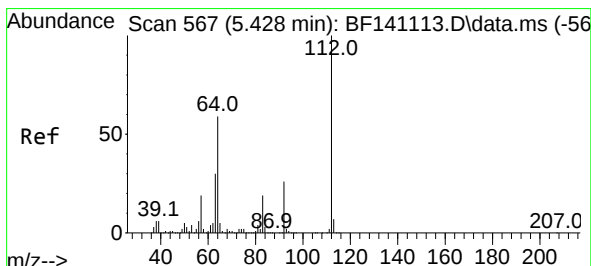
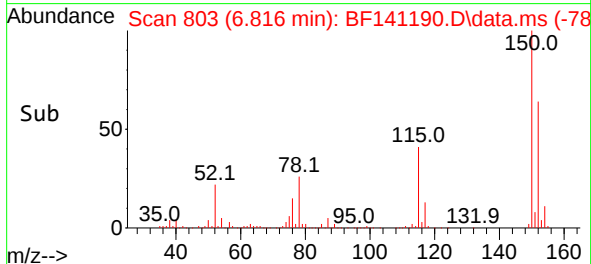
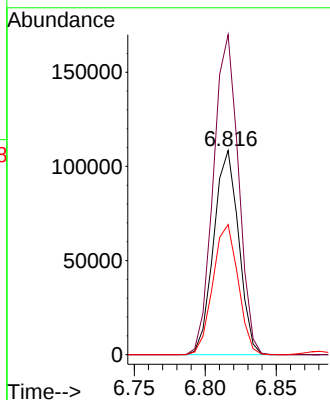
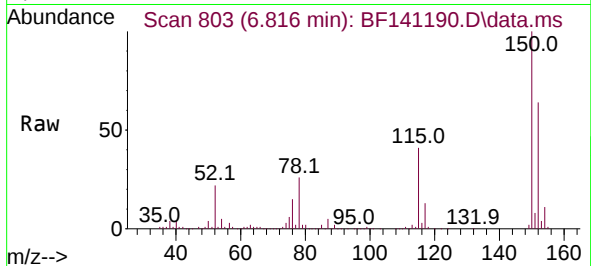




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF141190.D
Acq: 16 Jan 2025 17:24

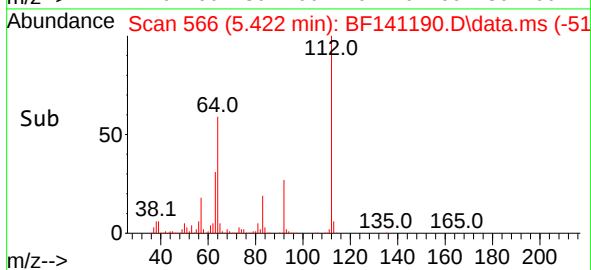
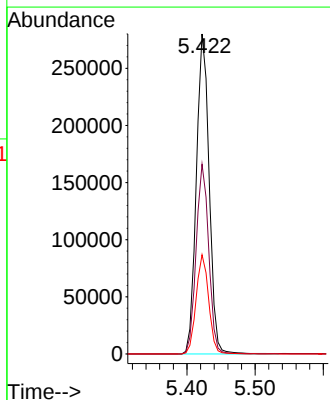
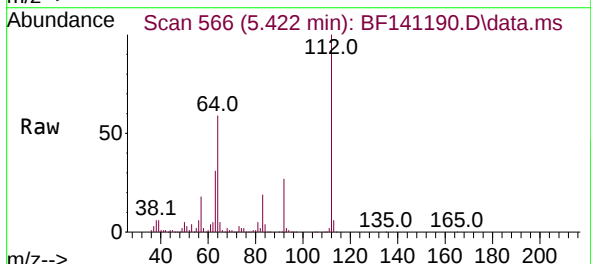
Instrument :
BNA_F
ClientSampleId :
RT-3407

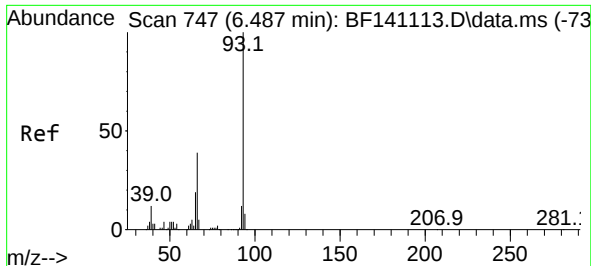
Tgt Ion:152 Resp: 132711
Ion Ratio Lower Upper
152 100
150 156.8 125.8 188.8
115 63.7 51.4 77.2



#5
2-Fluorophenol
Concen: 42.594 ng
RT: 5.422 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF141190.D
Acq: 16 Jan 2025 17:24

Tgt Ion:112 Resp: 365921
Ion Ratio Lower Upper
112 100
64 59.3 47.3 70.9
63 31.0 24.2 36.2

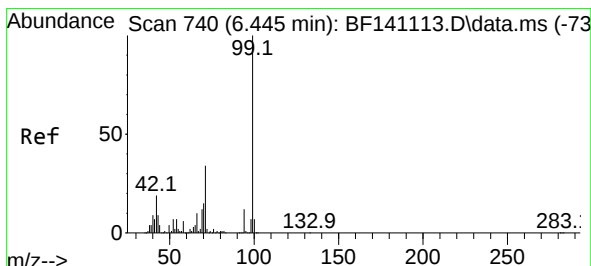
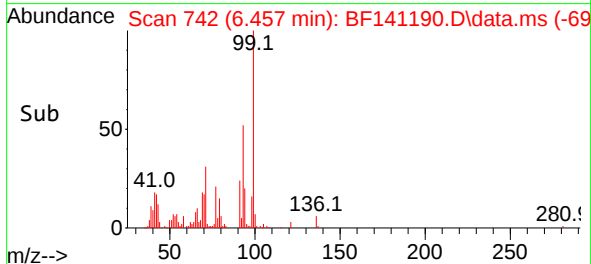
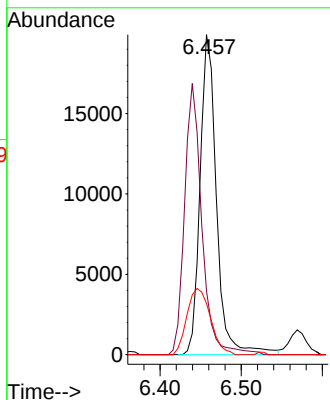
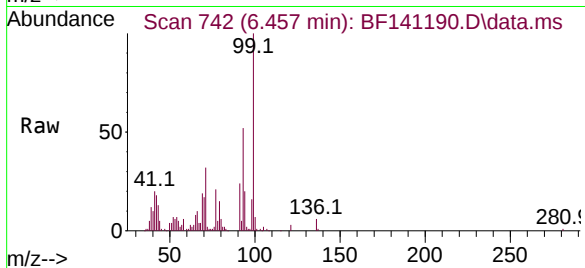




#6
Aniline
Concen: 2.895 ng
RT: 6.457 min Scan# 741
Delta R.T. -0.029 min
Lab File: BF141190.D
Acq: 16 Jan 2025 17:24

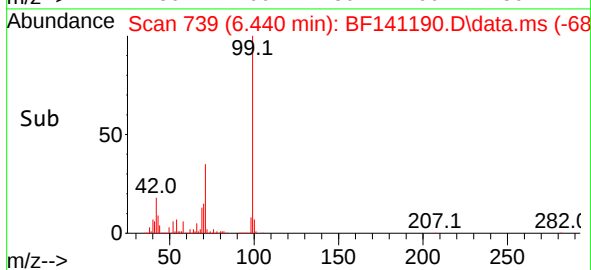
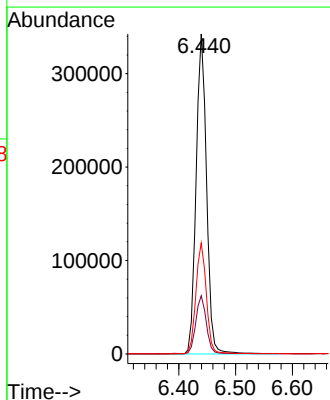
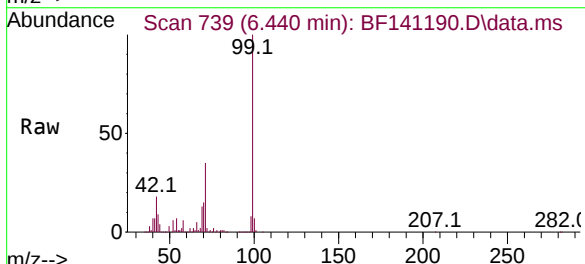
Instrument :
BNA_F
ClientSampleId :
RT-3407

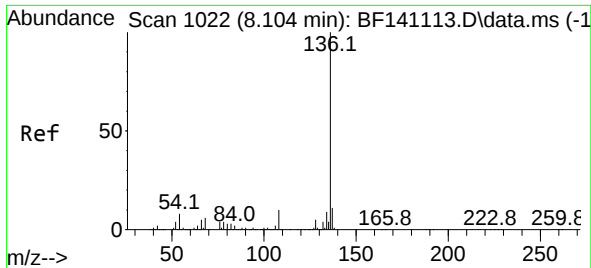
Tgt Ion: 93 Resp: 27974
Ion Ratio Lower Upper
93 100
66 19.8 31.5 47.3#
65 16.0 15.3 22.9



#7
Phenol-d6
Concen: 40.601 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF141190.D
Acq: 16 Jan 2025 17:24

Tgt Ion: 99 Resp: 441827
Ion Ratio Lower Upper
99 100
42 18.2 15.0 22.4
71 34.7 27.6 41.4



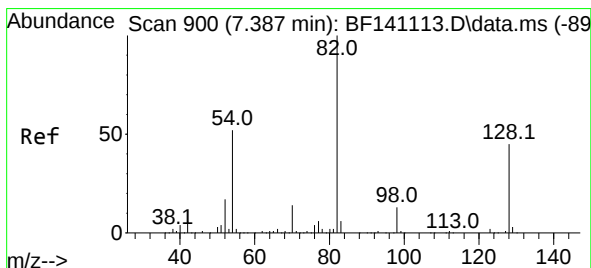
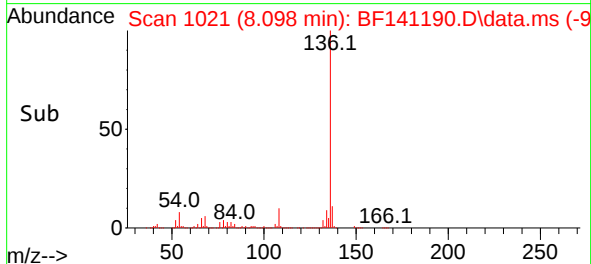
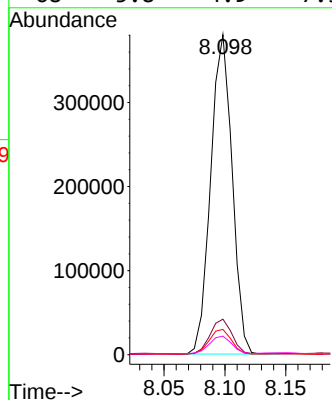
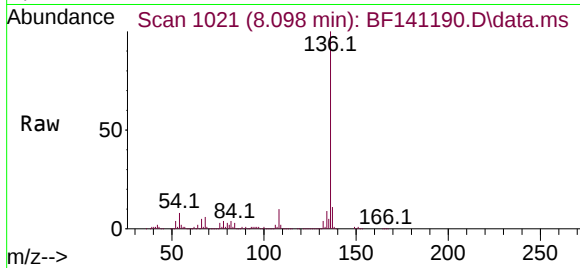


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF141190.D
Acq: 16 Jan 2025 17:24

Instrument :
BNA_F
ClientSampleId :
RT-3407

Tgt Ion:136 Resp: 465537

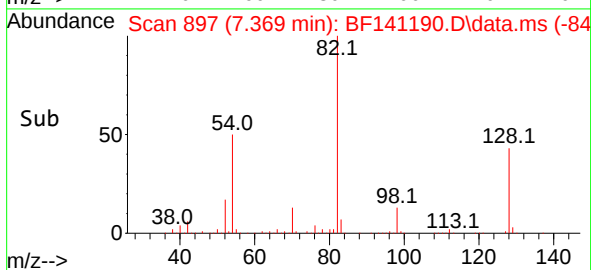
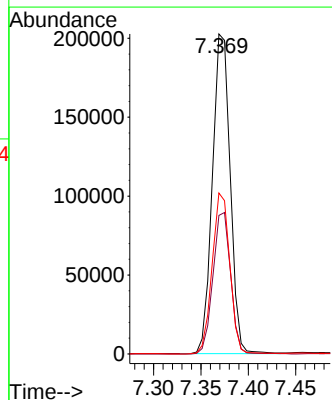
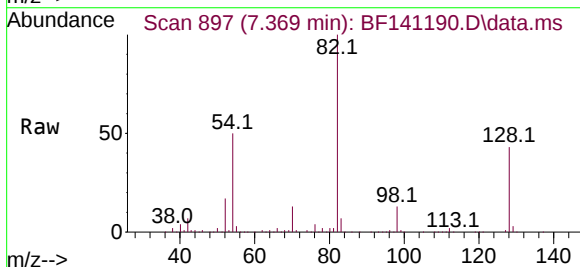
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.9	6.3	9.5
68	5.8	4.9	7.3

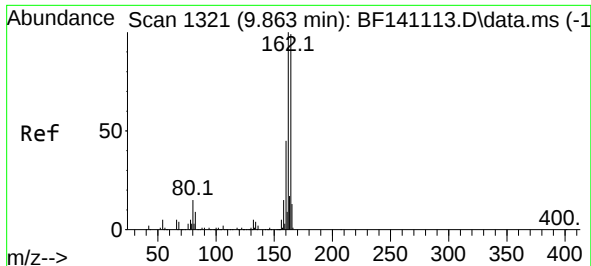


#23
Nitrobenzene-d5
Concen: 30.102 ng
RT: 7.369 min Scan# 897
Delta R.T. -0.018 min
Lab File: BF141190.D
Acq: 16 Jan 2025 17:24

Tgt Ion: 82 Resp: 264367

Ion	Ratio	Lower	Upper
82	100		
128	43.3	36.1	54.1
54	50.3	41.0	61.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF141190.D

Acq: 16 Jan 2025 17:24

Instrument :

BNA_F

ClientSampleId :

RT-3407

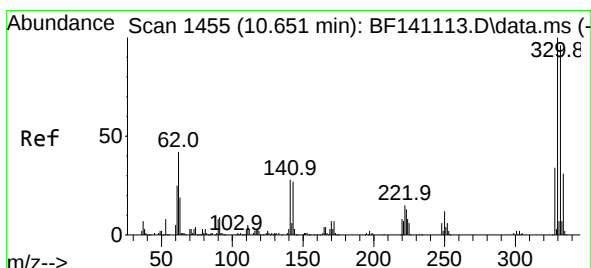
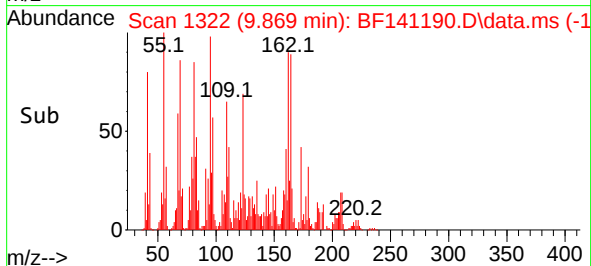
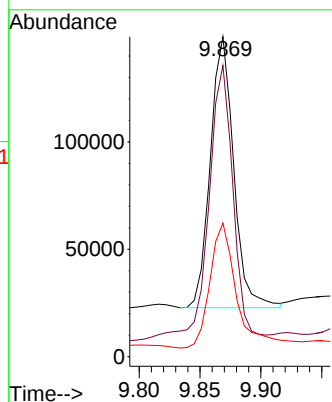
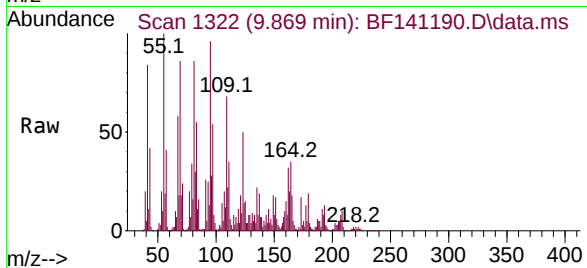
Tgt Ion:164 Resp: 168370

Ion Ratio Lower Upper

164 100

162 91.0 81.0 121.4

160 41.8 36.1 54.1



#42

2,4,6-Tribromophenol

Concen: 46.836 ng

RT: 10.675 min Scan# 1459

Delta R.T. 0.024 min

Lab File: BF141190.D

Acq: 16 Jan 2025 17:24

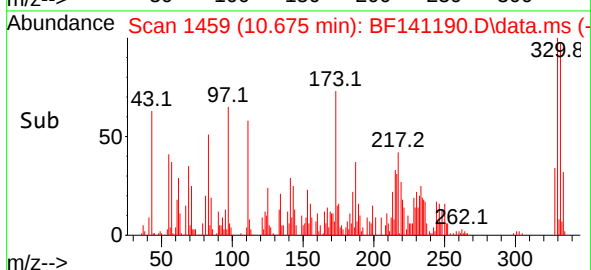
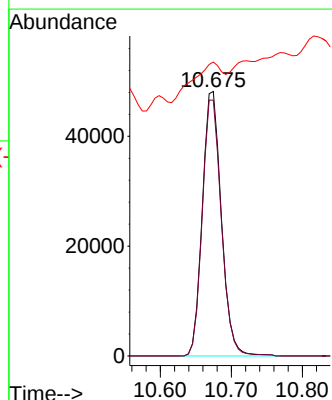
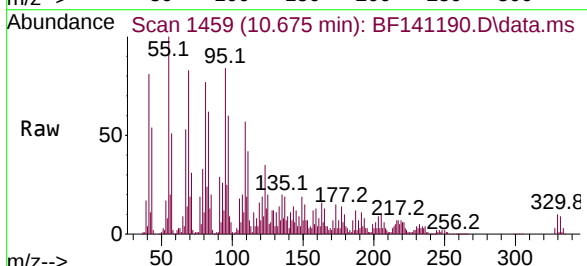
Tgt Ion:330 Resp: 89854

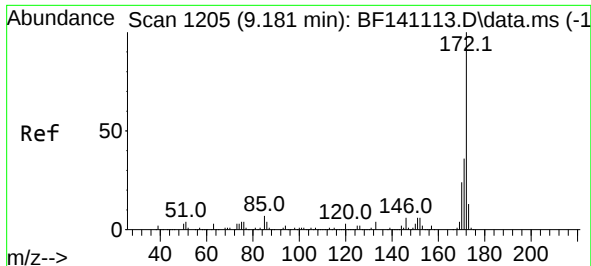
Ion Ratio Lower Upper

330 100

332 97.0 76.9 115.3

141 24.2 25.2 37.8#

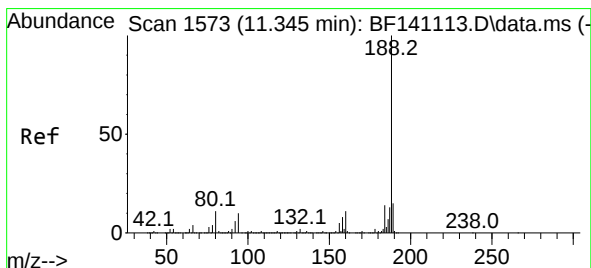
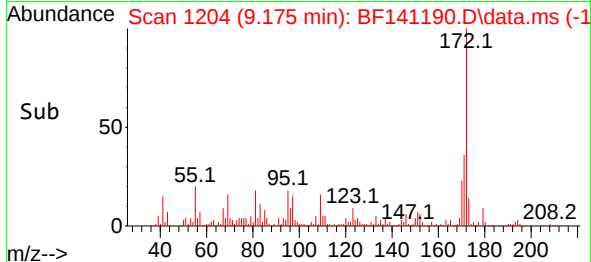
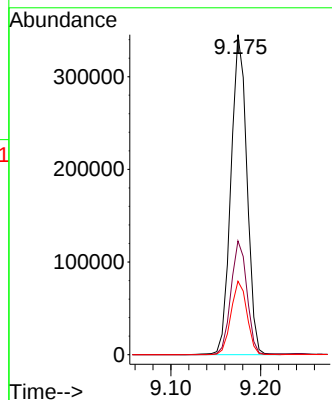
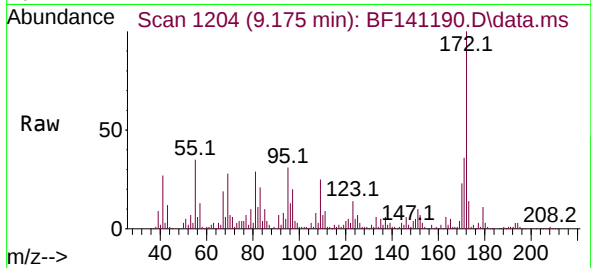




#45
2-Fluorobiphenyl
Concen: 38.752 ng
RT: 9.175 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141190.D
Acq: 16 Jan 2025 17:24

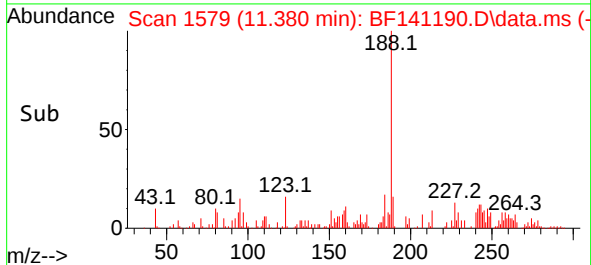
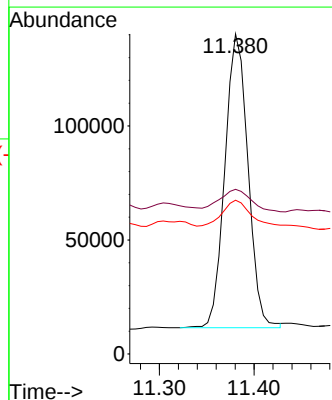
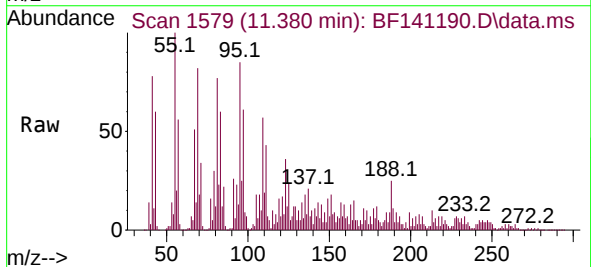
Instrument :
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ClientSampleId :
RT-3407

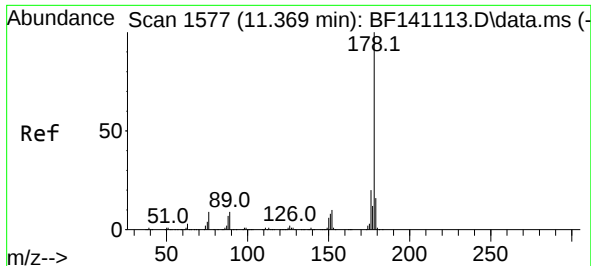
Tgt Ion:172 Resp: 427270
Ion Ratio Lower Upper
172 100
171 35.5 28.7 43.1
170 23.0 19.0 28.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1579
Delta R.T. 0.035 min
Lab File: BF141190.D
Acq: 16 Jan 2025 17:24

Tgt Ion:188 Resp: 218161
Ion Ratio Lower Upper
188 100
94 51.4 8.3 12.5#
80 48.1 9.0 13.4#

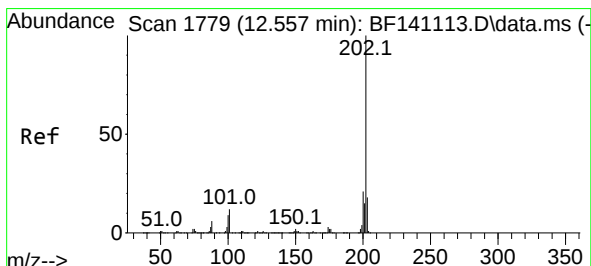
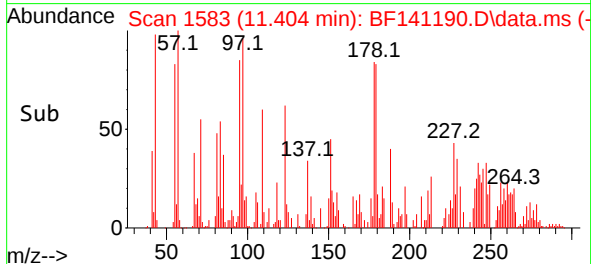
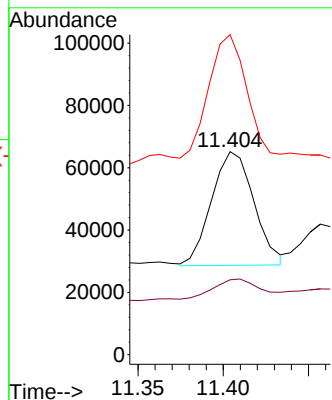
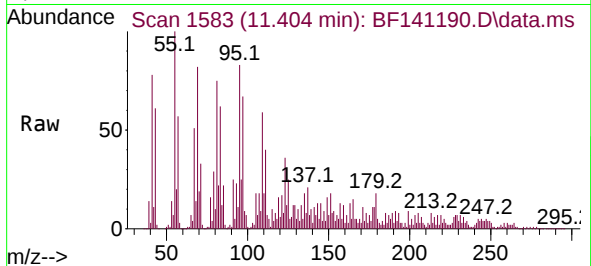




#71
Phenanthrene
Concen: 5.389 ng
RT: 11.404 min Scan# 11
Delta R.T. 0.035 min
Lab File: BF141190.D
Acq: 16 Jan 2025 17:24

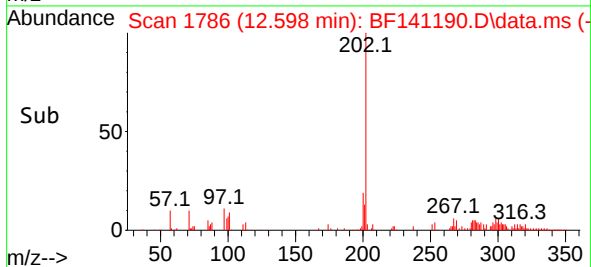
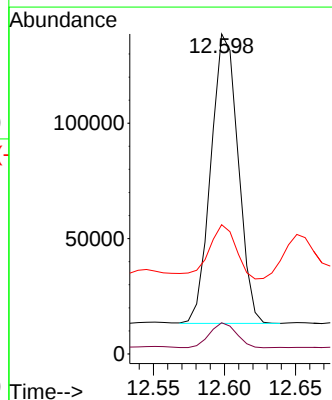
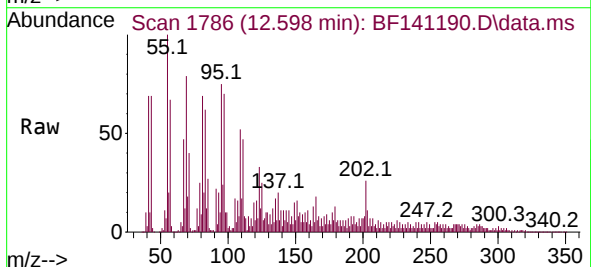
Instrument :
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RT-3407

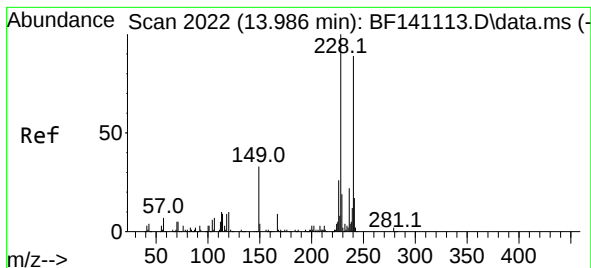
Tgt Ion:178 Resp: 63113
Ion Ratio Lower Upper
178 100
176 36.9 15.7 23.5#
179 157.6 12.6 19.0#



#75
Fluoranthene
Concen: 14.306 ng
RT: 12.598 min Scan# 1786
Delta R.T. 0.041 min
Lab File: BF141190.D
Acq: 16 Jan 2025 17:24

Tgt Ion:202 Resp: 167211
Ion Ratio Lower Upper
202 100
101 9.7 0.0 32.3
203 40.4 0.0 37.7#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.016 min Scan# 20

Delta R.T. 0.029 min

Lab File: BF141190.D

Acq: 16 Jan 2025 17:24

Instrument :

BNA_F

ClientSampleId :

RT-3407

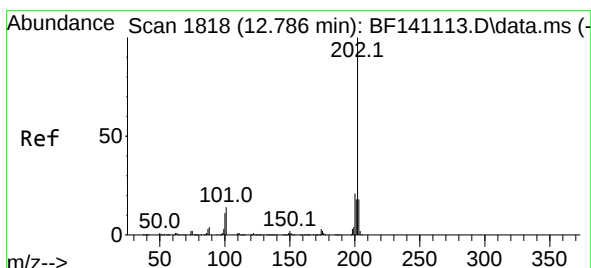
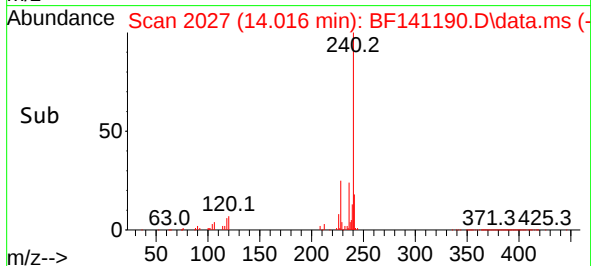
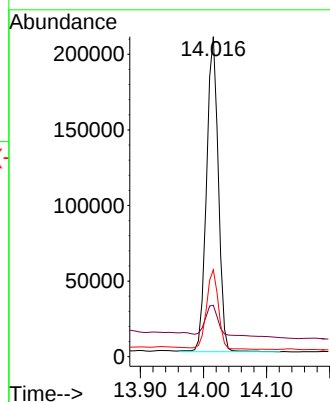
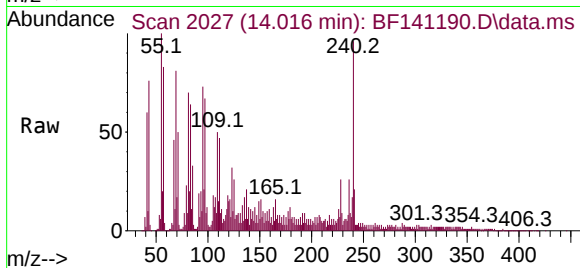
Tgt Ion:240 Resp: 270540

Ion Ratio Lower Upper

240 100

120 16.0 9.1 13.7#

236 27.1 19.8 29.6



#78

Pyrene

Concen: 6.825 ng

RT: 12.827 min Scan# 1825

Delta R.T. 0.041 min

Lab File: BF141190.D

Acq: 16 Jan 2025 17:24

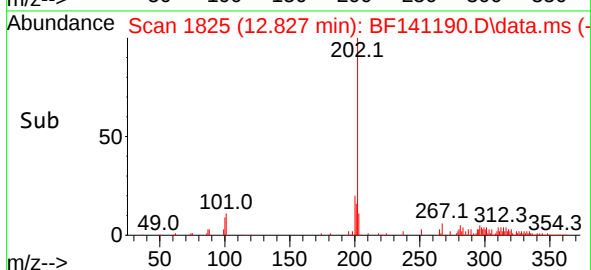
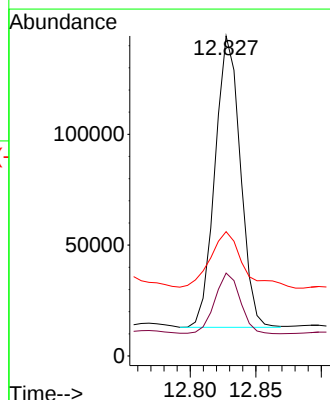
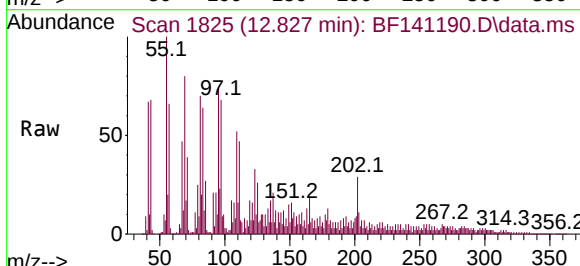
Tgt Ion:202 Resp: 176360

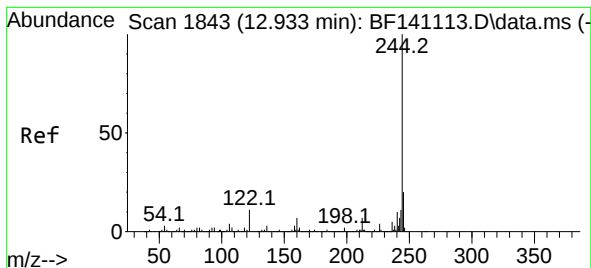
Ion Ratio Lower Upper

202 100

200 25.9 16.8 25.2#

203 38.8 14.3 21.5#





#79

Terphenyl-d14

Concen: 21.766 ng

RT: 12.969 min Scan# 1849

Delta R.T. 0.035 min

Lab File: BF141190.D

Acq: 16 Jan 2025 17:24

Instrument :

BNA_F

ClientSampleId :

RT-3407

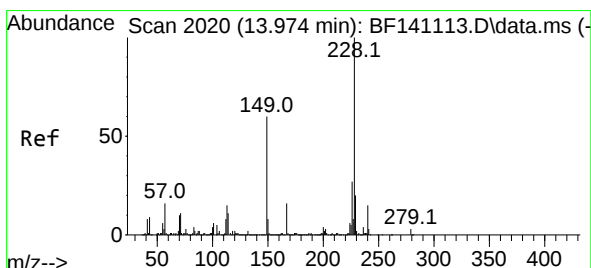
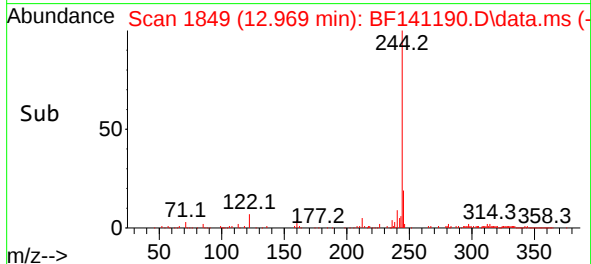
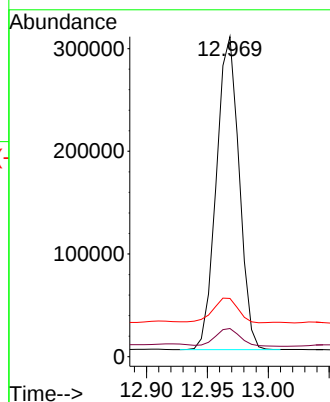
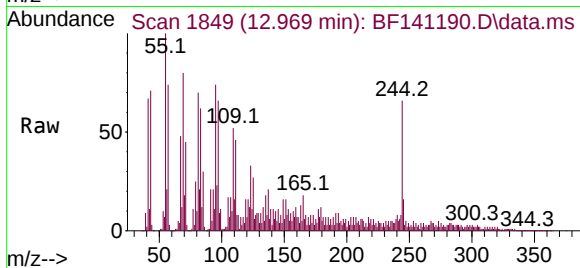
Tgt Ion:244 Resp: 396181

Ion Ratio Lower Upper

244 100

212 8.8 5.4 8.2#

122 18.2 8.8 13.2#



#81

Benzo(a)anthracene

Concen: 7.743 ng

RT: 14.004 min Scan# 2025

Delta R.T. 0.029 min

Lab File: BF141190.D

Acq: 16 Jan 2025 17:24

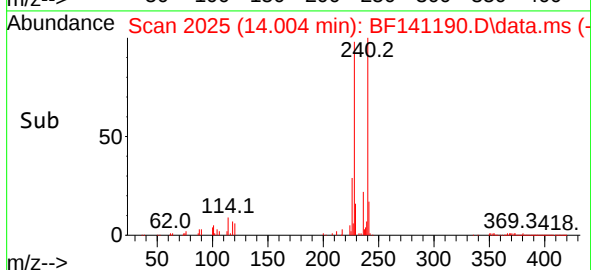
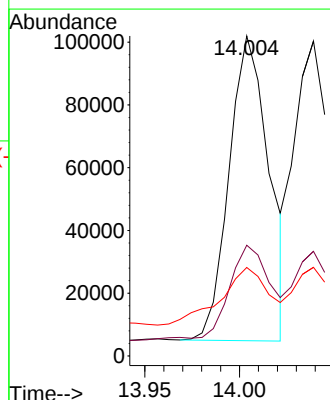
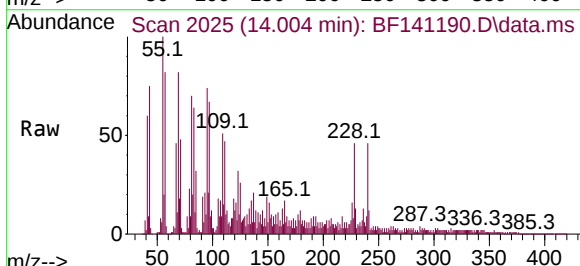
Tgt Ion:228 Resp: 142565

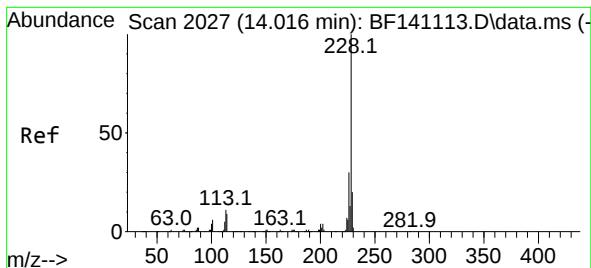
Ion Ratio Lower Upper

228 100

226 34.6 21.7 32.5#

229 27.6 15.7 23.5#





#83

Chrysene

Concen: 7.281 ng

RT: 14.039 min Scan# 2027

Delta R.T. 0.024 min

Lab File: BF141190.D

Acq: 16 Jan 2025 17:24

Instrument :

BNA_F

ClientSampleId :

RT-3407

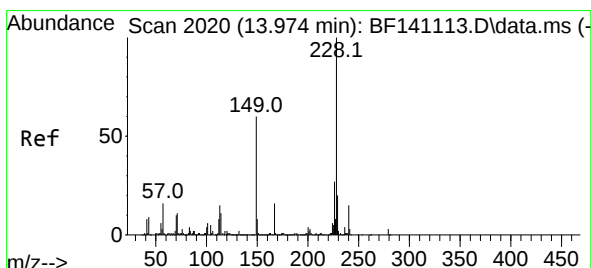
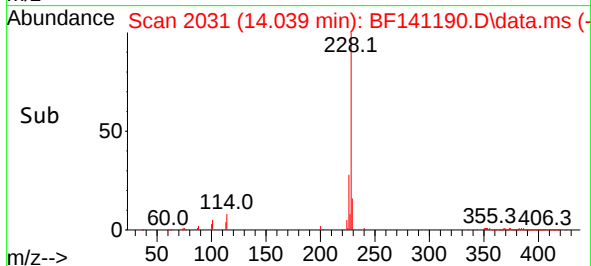
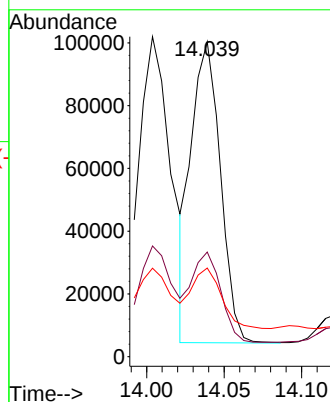
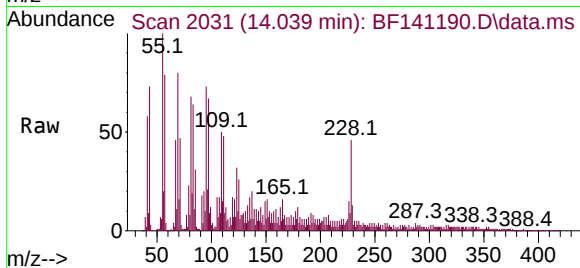
Tgt Ion:228 Resp: 125435

Ion Ratio Lower Upper

228 100

226 33.3 23.8 35.8

229 28.1 15.8 23.8#



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.139 ng

RT: 13.986 min Scan# 2022

Delta R.T. 0.012 min

Lab File: BF141190.D

Acq: 16 Jan 2025 17:24

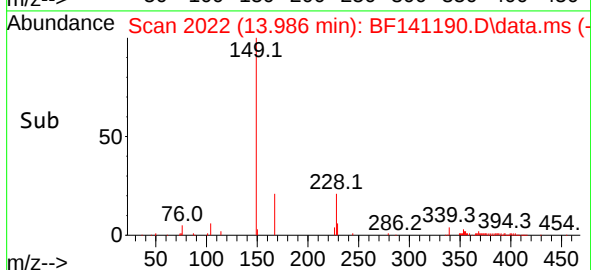
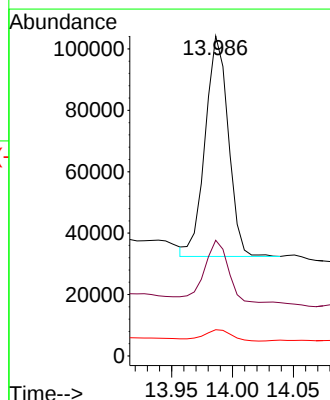
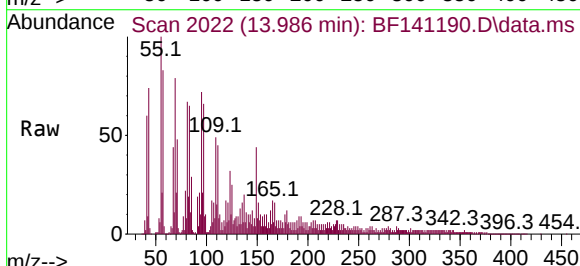
Tgt Ion:149 Resp: 94469

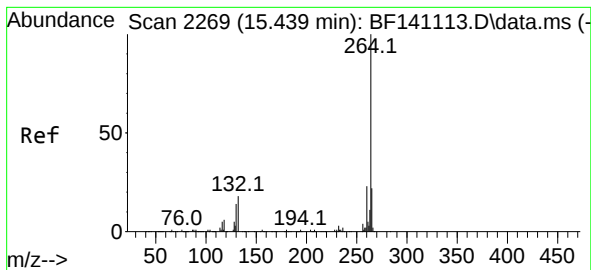
Ion Ratio Lower Upper

149 100

167 36.1 21.4 32.2#

279 8.2 3.4 5.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF141190.D

Acq: 16 Jan 2025 17:24

Instrument :

BNA_F

ClientSampleId :

RT-3407

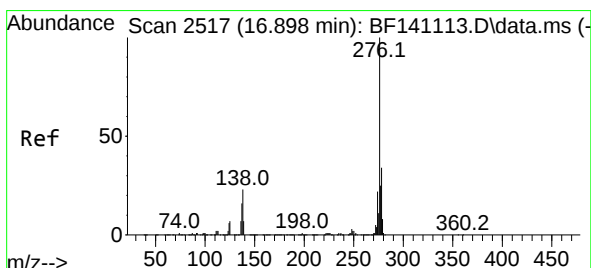
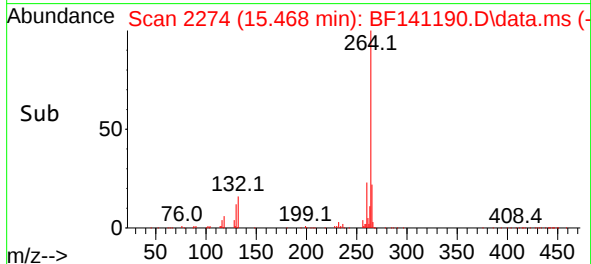
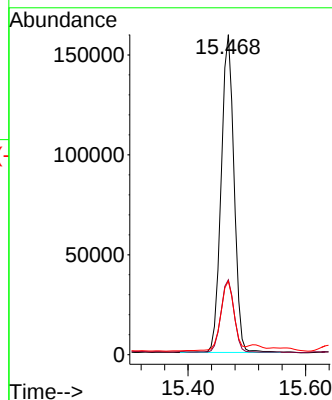
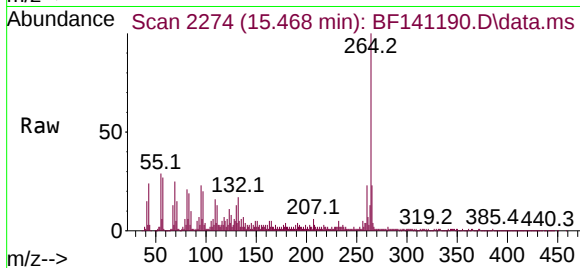
Tgt Ion:264 Resp: 242326

Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 23.0 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.478 ng

RT: 16.909 min Scan# 2519

Delta R.T. 0.012 min

Lab File: BF141190.D

Acq: 16 Jan 2025 17:24

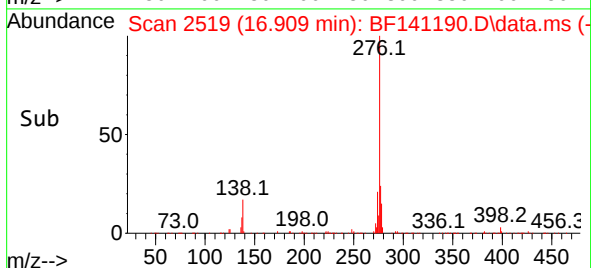
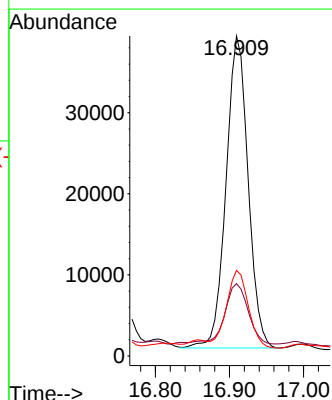
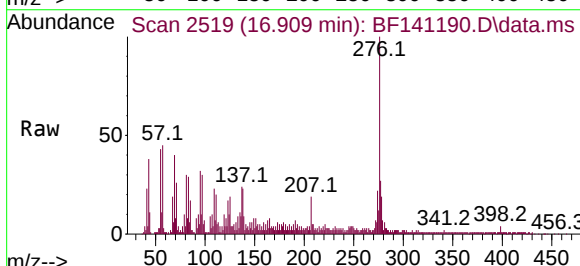
Tgt Ion:276 Resp: 79505

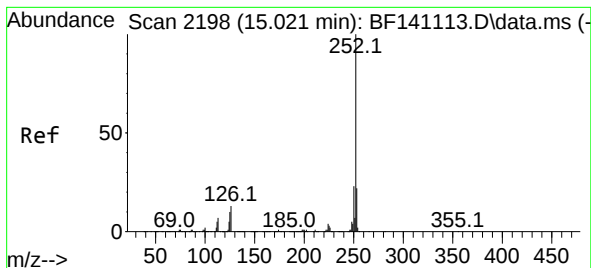
Ion Ratio Lower Upper

276 100

138 20.8 20.7 31.1

277 24.7 20.6 30.8





#88

Benzo(b)fluoranthene

Concen: 12.987 ng m

RT: 15.045 min Scan# 2198

Delta R.T. 0.024 min

Lab File: BF141190.D

Acq: 16 Jan 2025 17:24

Instrument :

BNF

ClientSampleId :

RT-3407

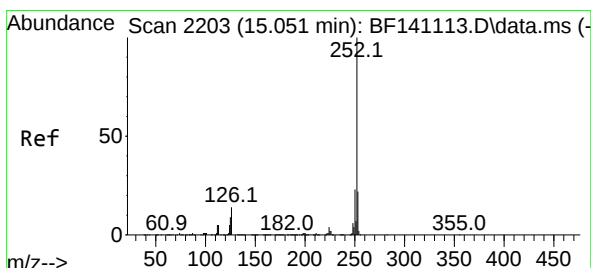
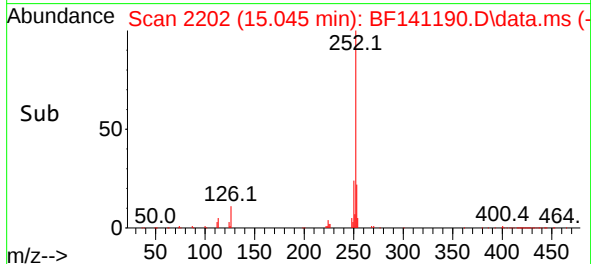
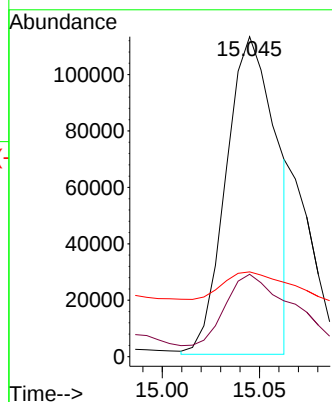
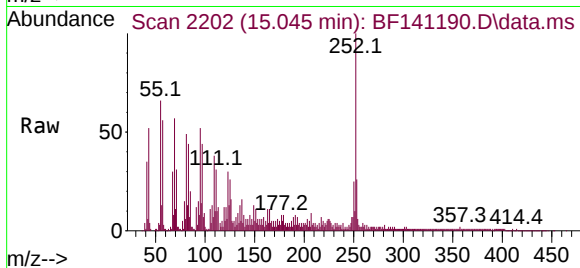
Tgt Ion:252 Resp: 202935

Ion Ratio Lower Upper

252 100

253 25.7 17.8 26.6

125 26.5 8.1 12.1#



#89

Benzo(k)fluoranthene

Concen: 4.120 ng m

RT: 15.063 min Scan# 2205

Delta R.T. 0.012 min

Lab File: BF141190.D

Acq: 16 Jan 2025 17:24

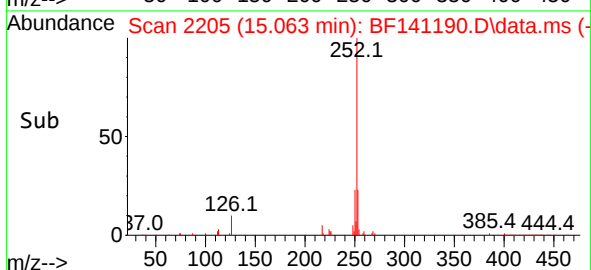
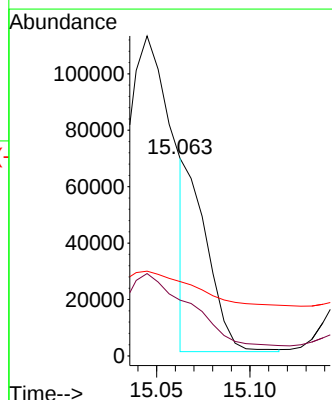
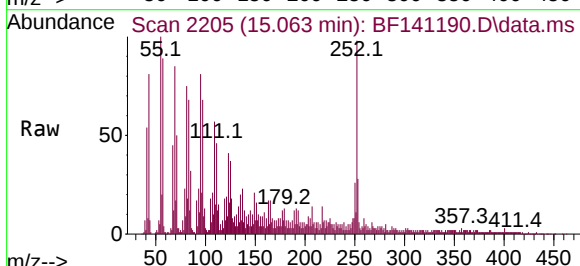
Tgt Ion:252 Resp: 54406

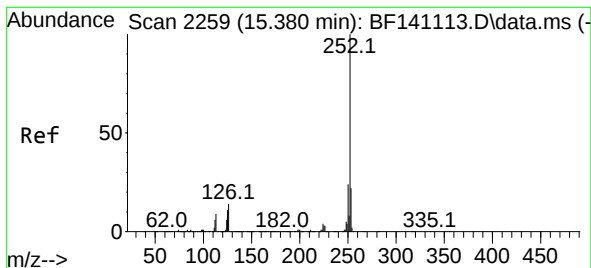
Ion Ratio Lower Upper

252 100

253 28.3 17.8 26.8#

125 37.7 7.9 11.9#





#90

Benzo(a)pyrene

Concen: 8.801 ng

RT: 15.404 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF141190.D

Acq: 16 Jan 2025 17:24

Instrument :

BNA_F

ClientSampleId :

RT-3407

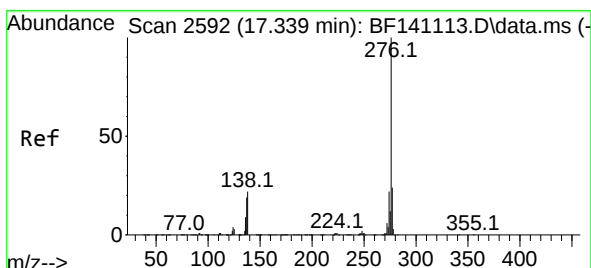
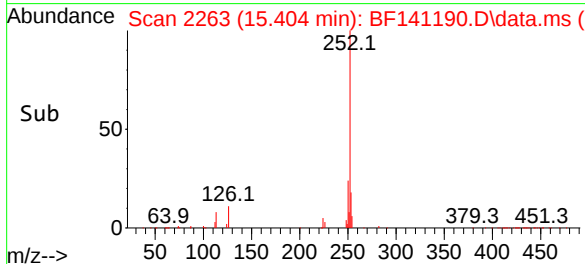
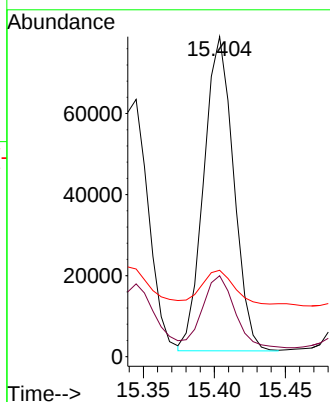
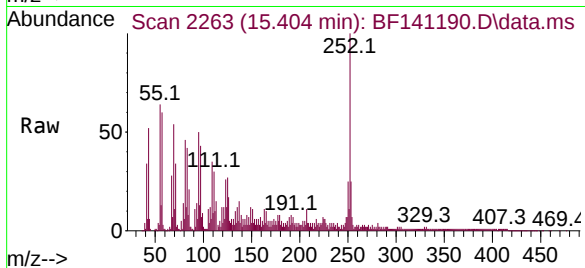
Tgt Ion:252 Resp: 113471

Ion Ratio Lower Upper

252 100

253 25.3 17.7 26.5

125 27.0 9.1 13.7#



#92

Benzo(g,h,i)perylene

Concen: 4.919 ng

RT: 17.351 min Scan# 2594

Delta R.T. 0.012 min

Lab File: BF141190.D

Acq: 16 Jan 2025 17:24

Tgt Ion:276 Resp: 73470

Ion Ratio Lower Upper

276 100

277 25.4 19.0 28.4

138 23.8 17.4 26.2

