

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
 Data File : BF140475.D
 Acq On : 19 Nov 2024 15:58
 Operator : RC/JU
 Sample : P4889-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 #72-11978

Quant Time: Nov 20 03:35:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

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

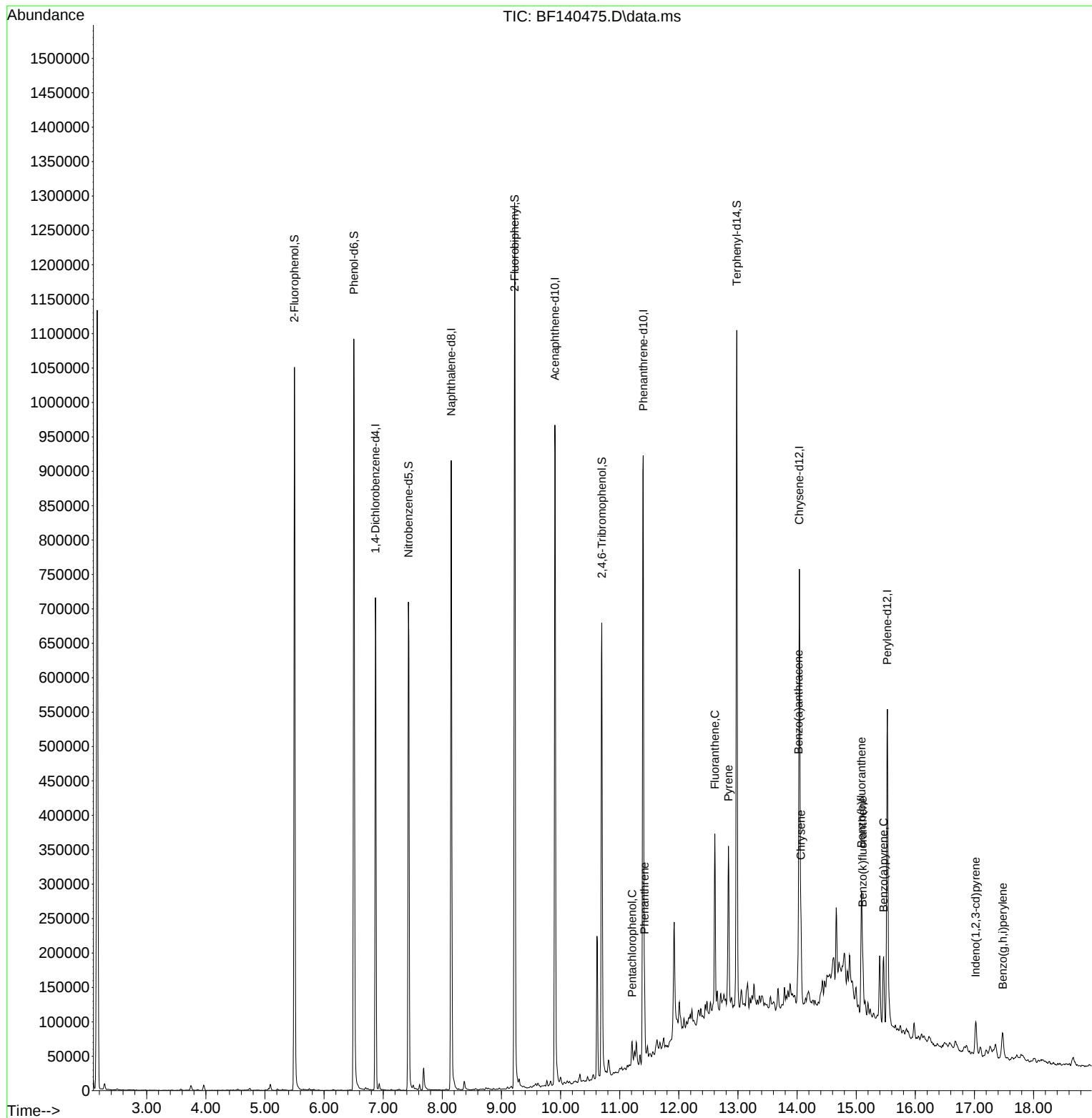
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	153531	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	584112	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	304616	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	494937	20.000	ng	0.00
76) Chrysene-d12	14.039	240	264297	20.000	ng	-0.01
86) Perylene-d12	15.527	264	269184	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	396194	44.060	ng	0.00
7) Phenol-d6	6.504	99	527097	43.265	ng	0.00
23) Nitrobenzene-d5	7.428	82	336034	29.974	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	118612	39.157	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	604061	31.878	ng	-0.01
79) Terphenyl-d14	12.980	244	479312	31.479	ng	0.00
Target Compounds						Qvalue
70) Pentachlorophenol	11.210	266	7612	2.539	ng	92
71) Phenanthrene	11.422	178	57026	2.453	ng	99
75) Fluoranthene	12.610	202	147383	5.650	ng	99
78) Pyrene	12.839	202	133104	5.888	ng	99
81) Benzo(a)anthracene	14.027	228	60116	3.461	ng	96
83) Chrysene	14.063	228	72322	4.563	ng	98
87) Indeno(1,2,3-cd)pyrene	17.021	276	33820	2.034	ng	96
88) Benzo(b)fluoranthene	15.092	252	119213m	6.770	ng	
89) Benzo(k)fluoranthene	15.110	252	29498m	2.051	ng	
90) Benzo(a)pyrene	15.462	252	62190	4.548	ng	98
92) Benzo(g,h,i)perylene	17.480	276	34411	2.449	ng	96

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

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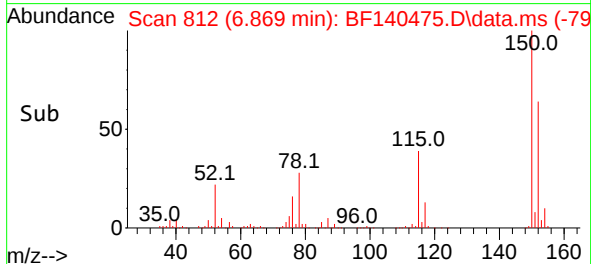
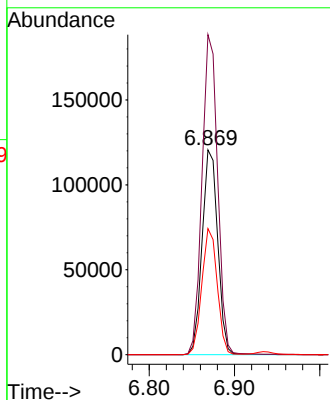
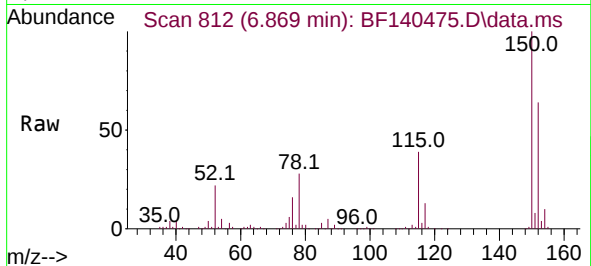




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.012 min
Lab File: BF140475.D
Acq: 19 Nov 2024 15:58

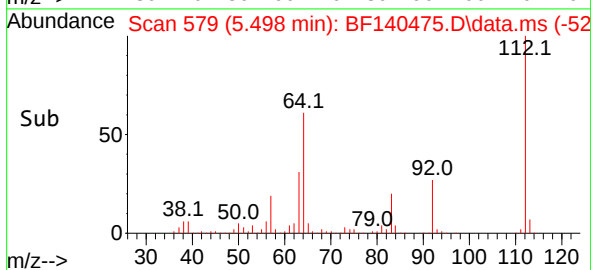
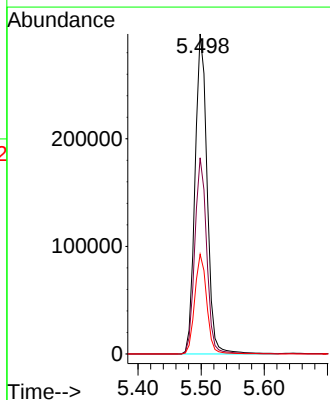
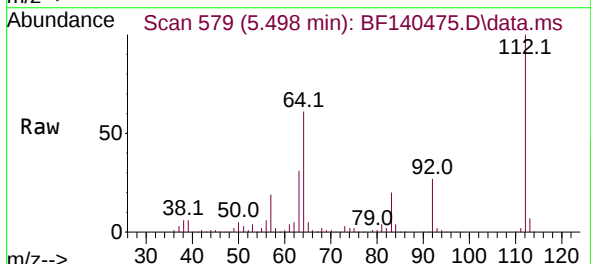
Instrument :
BNA_F
ClientSampleId :
#72-11978

Tgt Ion:152 Resp: 153531
Ion Ratio Lower Upper
152 100
150 156.2 127.4 191.0
115 61.6 47.4 71.2



#5
2-Fluorophenol
Concen: 44.060 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF140475.D
Acq: 19 Nov 2024 15:58

Tgt Ion:112 Resp: 396194
Ion Ratio Lower Upper
112 100
64 61.3 49.2 73.8
63 31.2 25.6 38.4

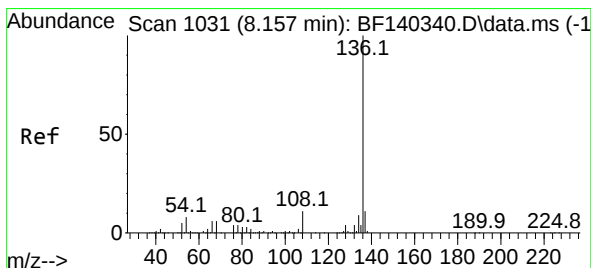
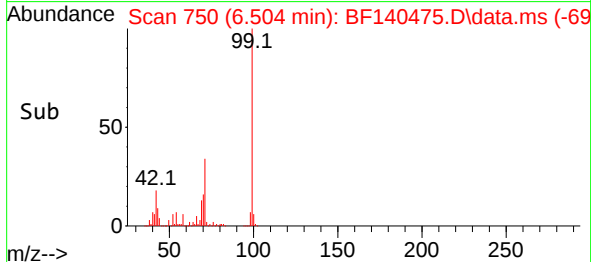
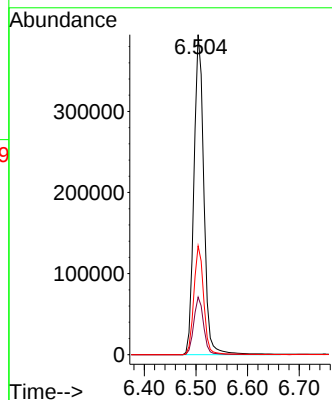
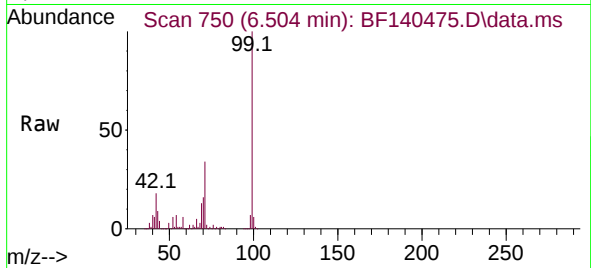




#7
Phenol-d6
Concen: 43.265 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF140475.D
Acq: 19 Nov 2024 15:58

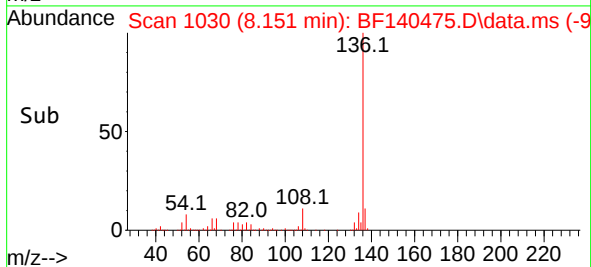
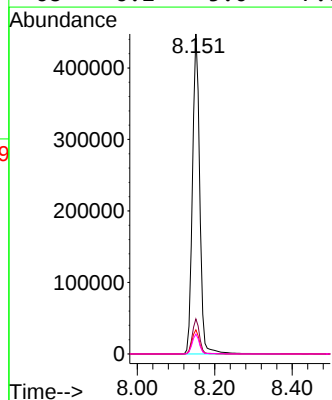
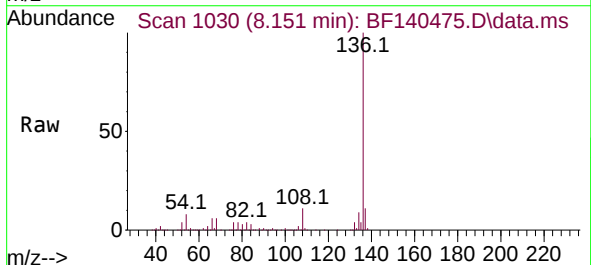
Instrument :
BNA_F
ClientSampleId :
#72-11978

Tgt Ion: 99 Resp: 527097
Ion Ratio Lower Upper
99 100
42 18.0 15.1 22.7
71 34.0 27.9 41.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140475.D
Acq: 19 Nov 2024 15:58

Tgt Ion:136 Resp: 584112
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 7.5 6.5 9.7
68 6.2 5.0 7.6





#23

Nitrobenzene-d5

Concen: 29.974 ng

RT: 7.428 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF140475.D

Acq: 19 Nov 2024 15:58

Instrument :

BNA_F

ClientSampleId :

#72-11978

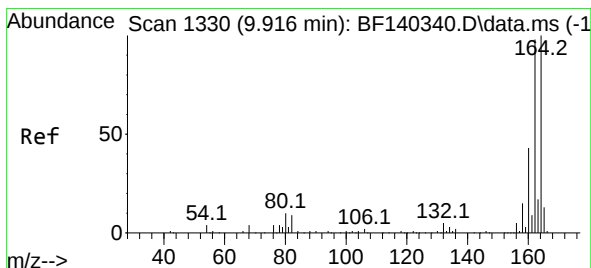
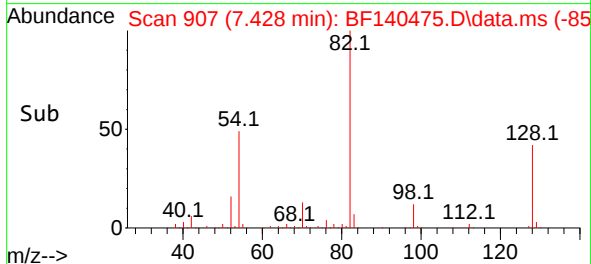
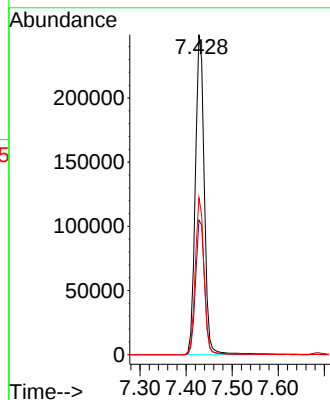
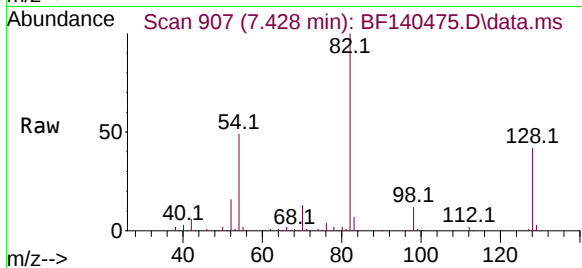
Tgt Ion: 82 Resp: 336034

Ion Ratio Lower Upper

82 100

128 42.0 33.3 49.9

54 49.0 39.8 59.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.012 min

Lab File: BF140475.D

Acq: 19 Nov 2024 15:58

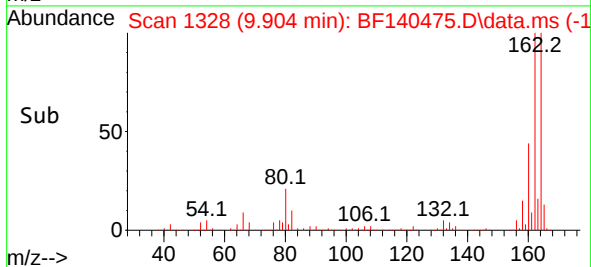
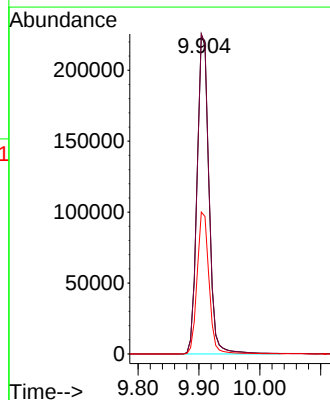
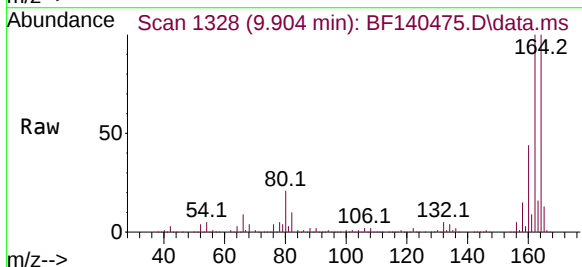
Tgt Ion:164 Resp: 304616

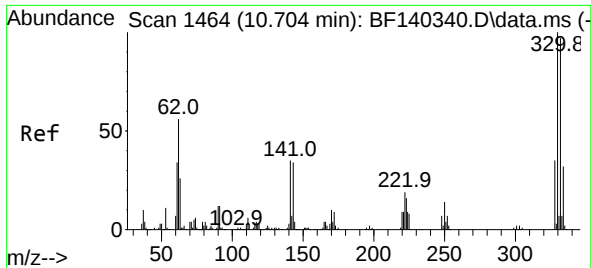
Ion Ratio Lower Upper

164 100

162 100.1 79.8 119.8

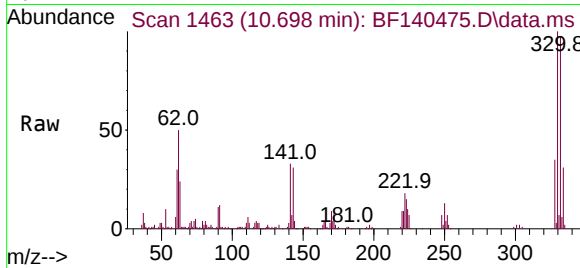
160 44.4 35.4 53.0



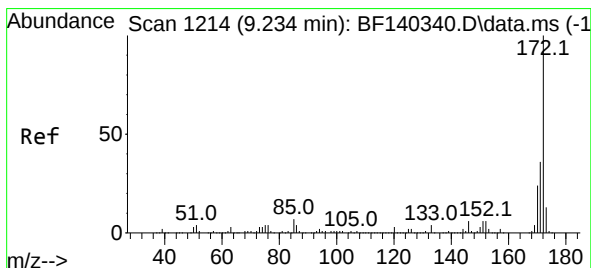
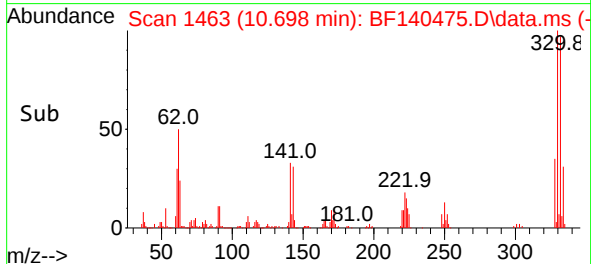
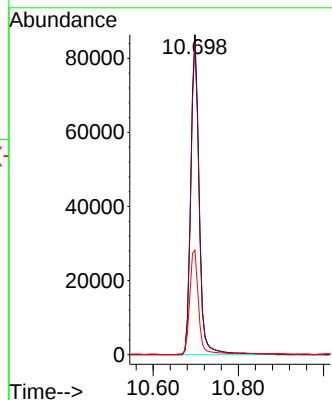


#42
2,4,6-Tribromophenol
Concen: 39.157 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140475.D
Acq: 19 Nov 2024 15:58

Instrument :
BNA_F
ClientSampleId :
#72-11978

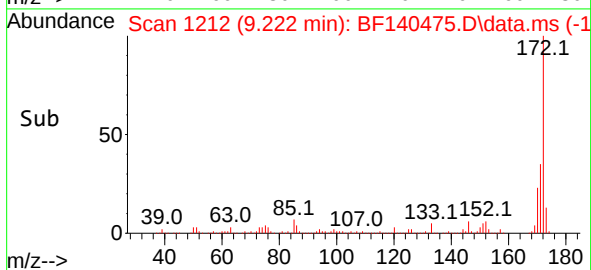
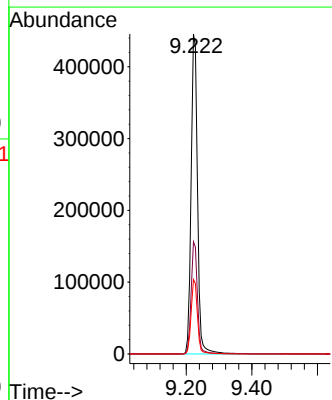
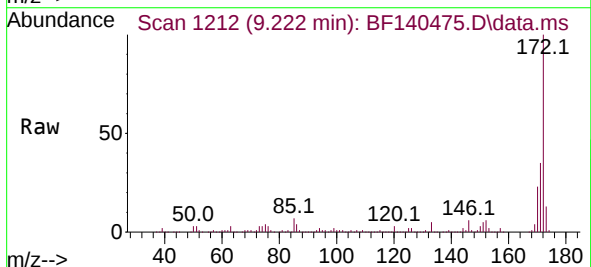


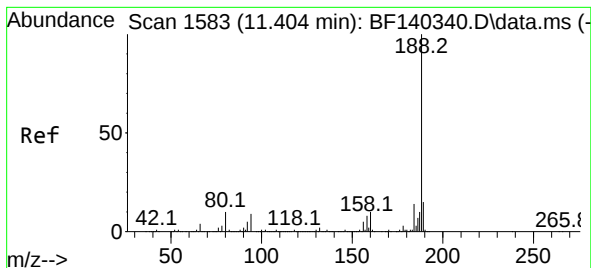
Tgt Ion:330 Resp: 118612
Ion Ratio Lower Upper
330 100
332 96.8 75.9 113.9
141 34.3 26.9 40.3



#45
2-Fluorobiphenyl
Concen: 31.878 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140475.D
Acq: 19 Nov 2024 15:58

Tgt Ion:172 Resp: 604061
Ion Ratio Lower Upper
172 100
171 35.1 28.5 42.7
170 23.2 19.1 28.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140475.D

Acq: 19 Nov 2024 15:58

Instrument :

BNA_F

ClientSampleId :

#72-11978

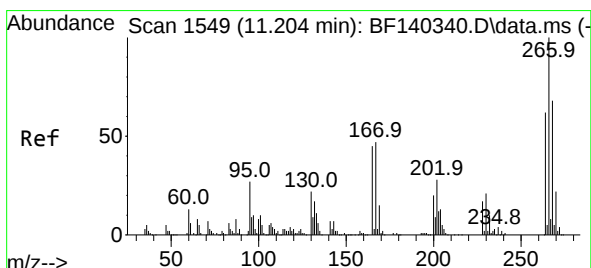
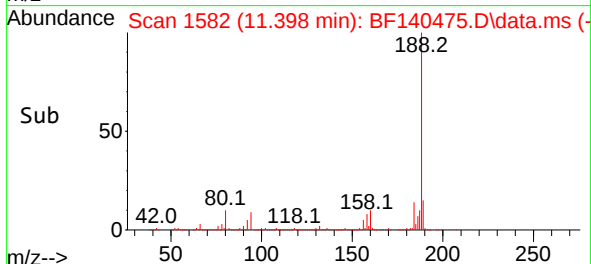
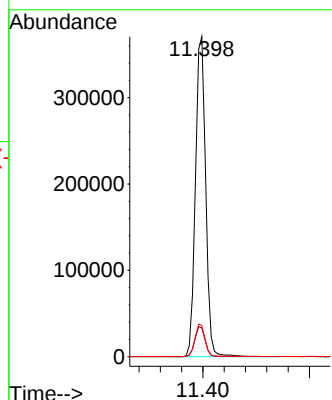
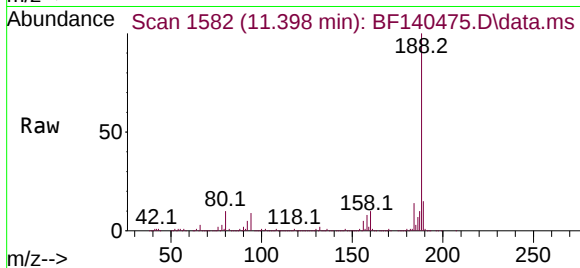
Tgt Ion:188 Resp: 494937

Ion Ratio Lower Upper

188 100

94 8.9 7.6 11.4

80 9.7 8.0 12.0



#70

Pentachlorophenol

Concen: 2.539 ng

RT: 11.210 min Scan# 1550

Delta R.T. 0.006 min

Lab File: BF140475.D

Acq: 19 Nov 2024 15:58

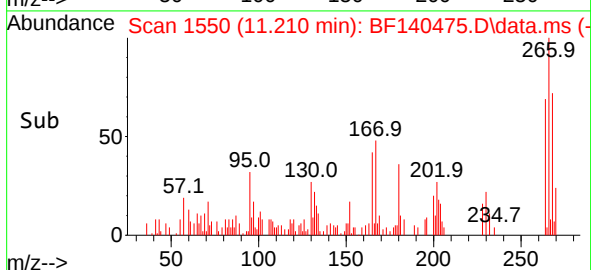
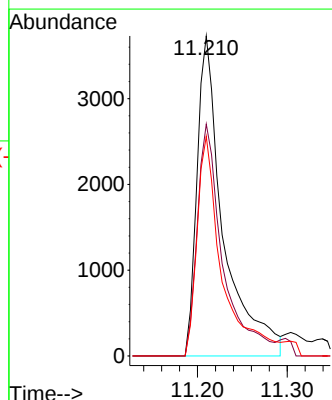
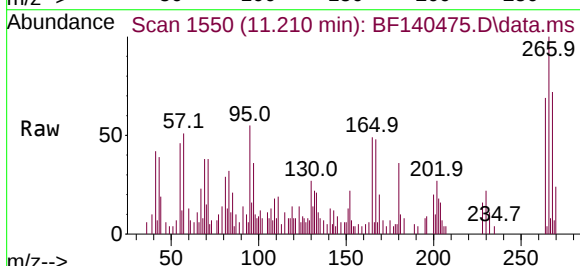
Tgt Ion:266 Resp: 7612

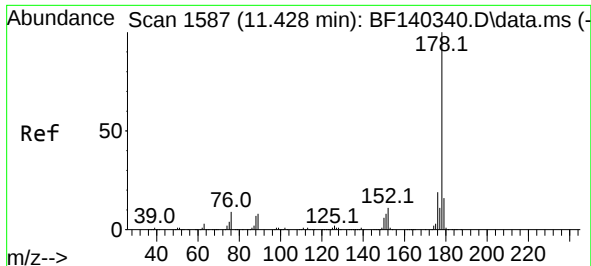
Ion Ratio Lower Upper

266 100

268 72.4 52.9 79.3

264 68.6 50.3 75.5

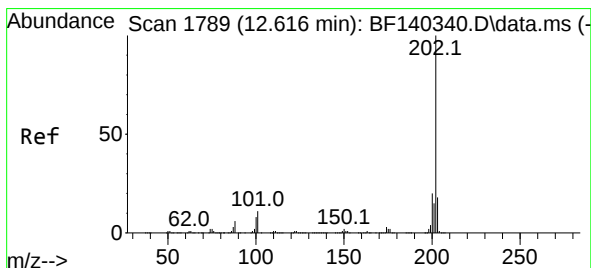
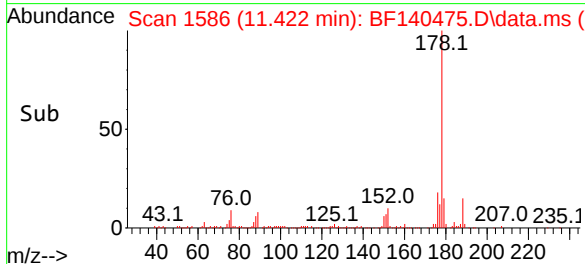
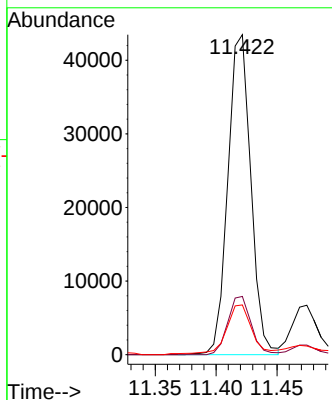
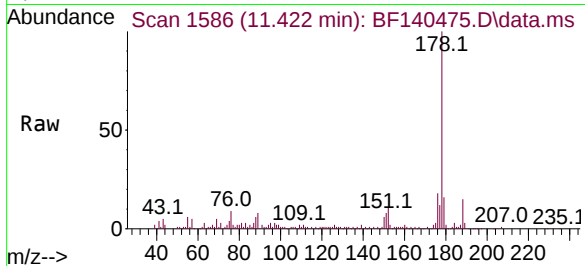




#71
Phenanthrene
Concen: 2.453 ng
RT: 11.422 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140475.D
Acq: 19 Nov 2024 15:58

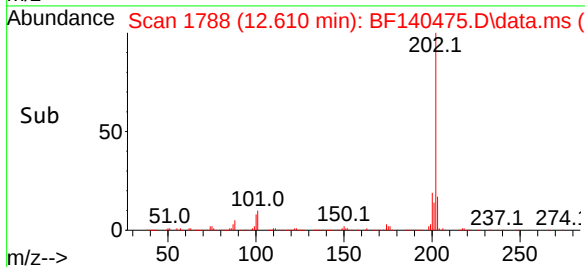
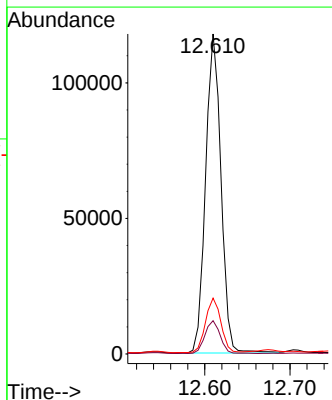
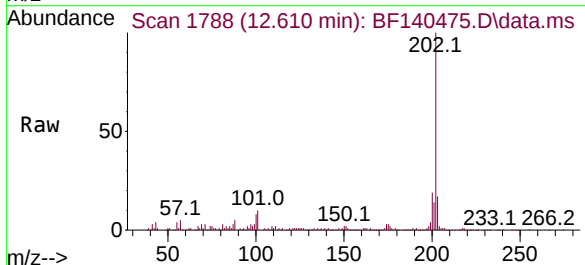
Instrument :
BNA_F
ClientSampleId :
#72-11978

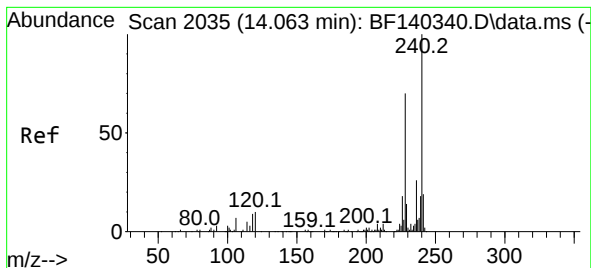
Tgt Ion:178 Resp: 57026
Ion Ratio Lower Upper
178 100
176 18.2 15.5 23.3
179 15.5 12.4 18.6



#75
Fluoranthene
Concen: 5.650 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF140475.D
Acq: 19 Nov 2024 15:58

Tgt Ion:202 Resp: 147383
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.7
203 17.5 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.012 min

Lab File: BF140475.D

Acq: 19 Nov 2024 15:58

Instrument :

BNA_F

ClientSampleId :

#72-11978

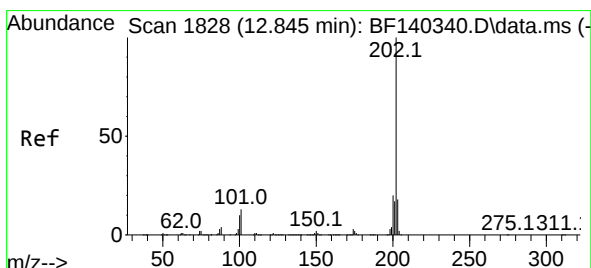
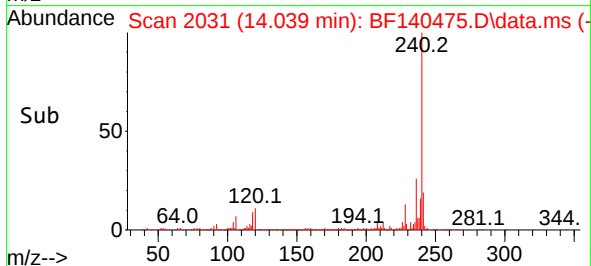
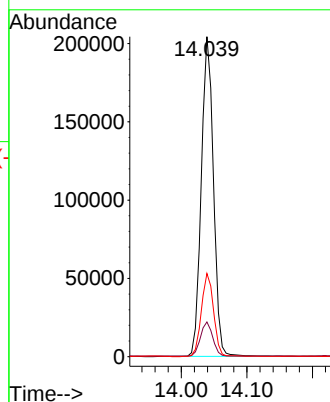
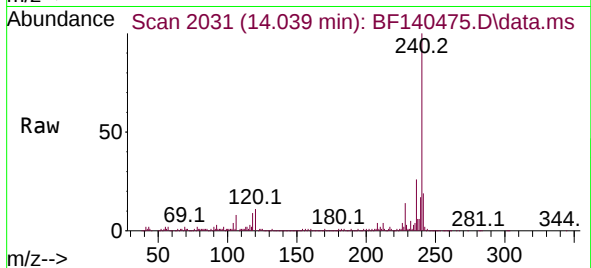
Tgt Ion:240 Resp: 264297

Ion Ratio Lower Upper

240 100

120 10.8 8.8 13.2

236 26.0 20.9 31.3



#78

Pyrene

Concen: 5.888 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF140475.D

Acq: 19 Nov 2024 15:58

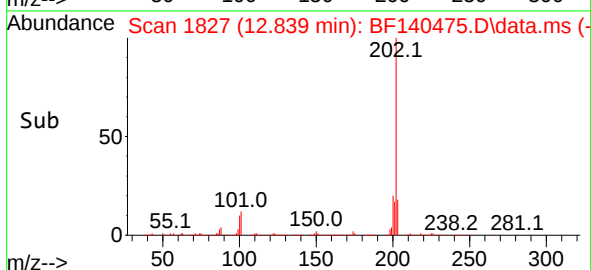
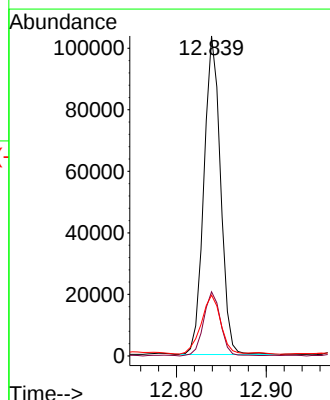
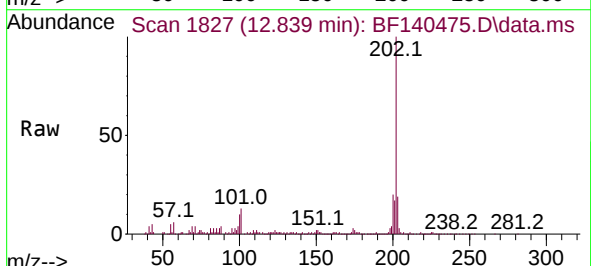
Tgt Ion:202 Resp: 133104

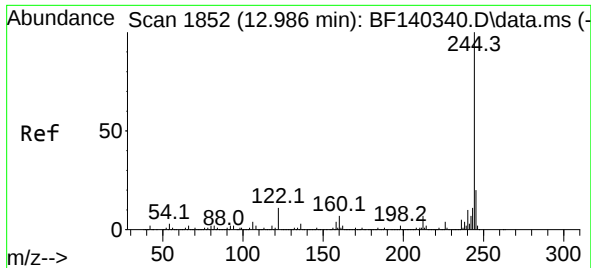
Ion Ratio Lower Upper

202 100

200 20.1 16.2 24.2

203 19.0 14.2 21.4

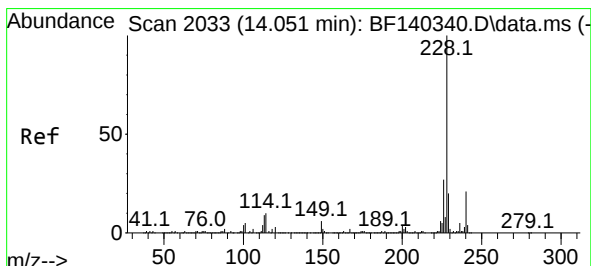
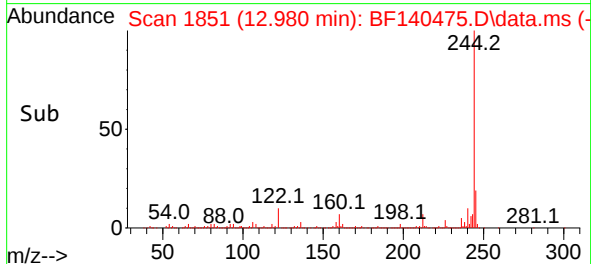
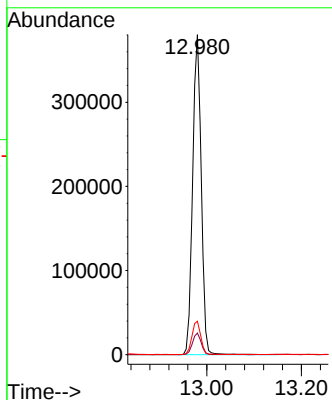
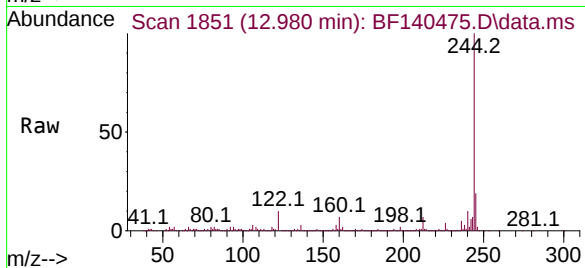




#79
 Terphenyl-d14
 Concen: 31.479 ng
 RT: 12.980 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF140475.D
 Acq: 19 Nov 2024 15:58

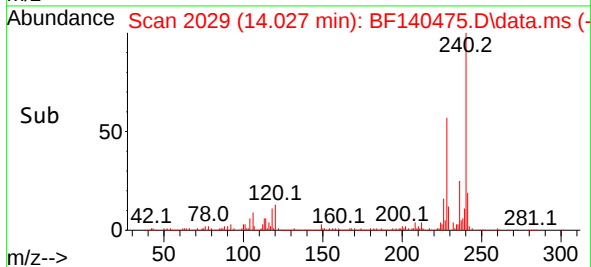
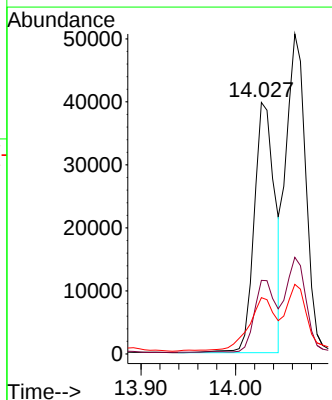
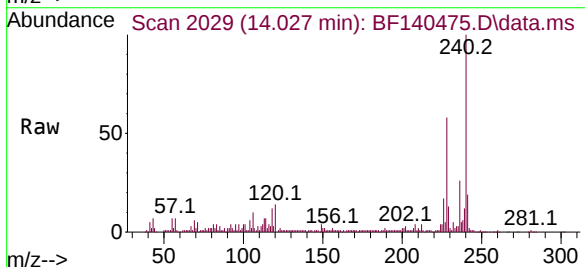
Instrument :
 BNA_F
 ClientSampleId :
 #72-11978

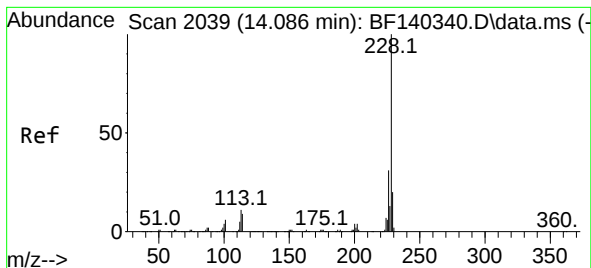
Tgt Ion:244 Resp: 479312
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.8
 122 10.4 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 3.461 ng
 RT: 14.027 min Scan# 2029
 Delta R.T. -0.012 min
 Lab File: BF140475.D
 Acq: 19 Nov 2024 15:58

Tgt Ion:228 Resp: 60116
 Ion Ratio Lower Upper
 228 100
 226 29.3 22.2 33.4
 229 22.4 15.8 23.6





#83

Chrysene

Concen: 4.563 ng

RT: 14.063 min Scan# 2039

Delta R.T. -0.018 min

Lab File: BF140475.D

Acq: 19 Nov 2024 15:58

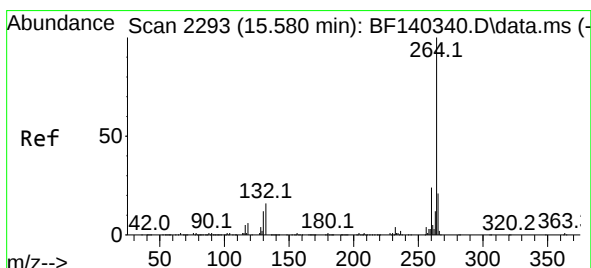
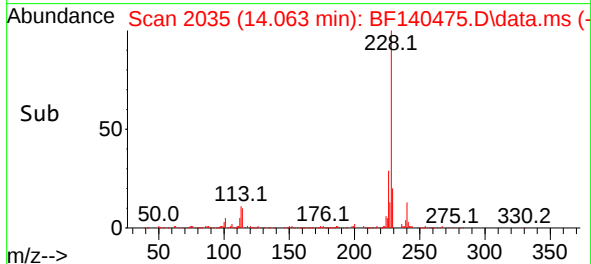
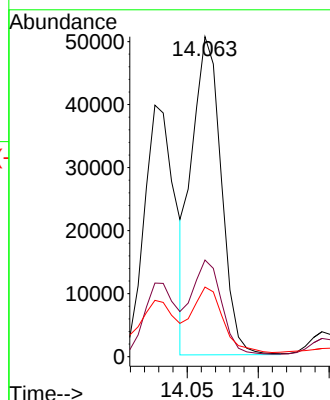
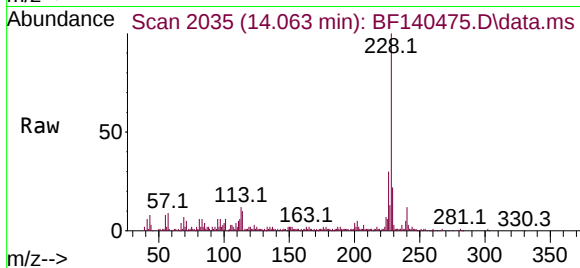
Instrument :

BNA_F

ClientSampleId :

#72-11978

Tgt Ion:	228	Resp:	72322
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.5	36.7
229	21.7	16.0	24.0



#86

Perylene-d12

Concen: 20.000 ng

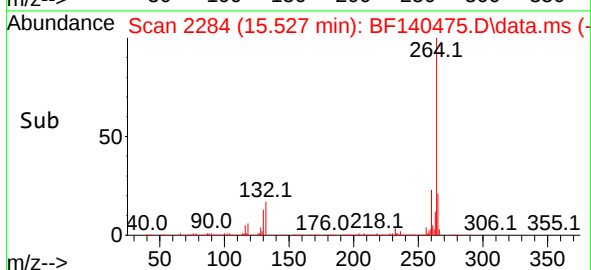
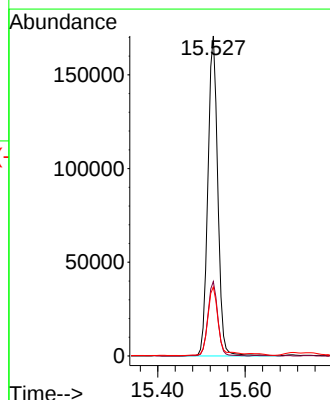
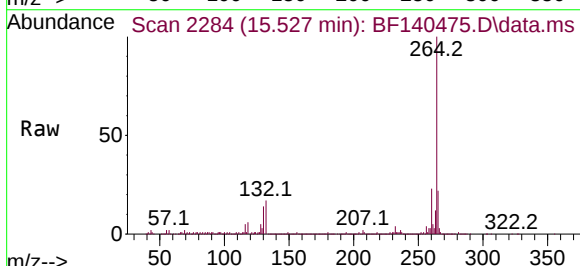
RT: 15.527 min Scan# 2284

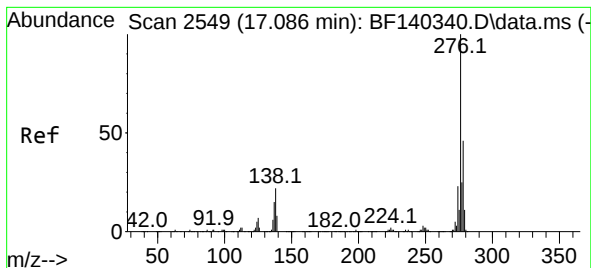
Delta R.T. -0.030 min

Lab File: BF140475.D

Acq: 19 Nov 2024 15:58

Tgt Ion:	264	Resp:	269184
Ion Ratio	Lower	Upper	
264	100		
260	23.2	19.2	28.8
265	21.6	17.1	25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.034 ng

RT: 17.021 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF140475.D

Acq: 19 Nov 2024 15:58

Instrument :

BNA_F

ClientSampleId :

#72-11978

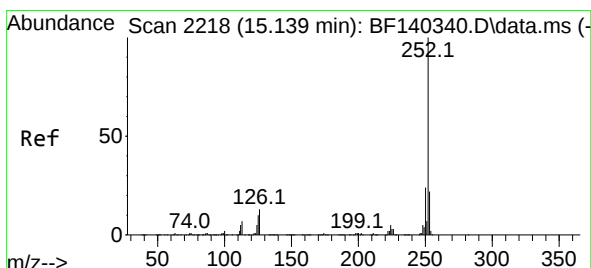
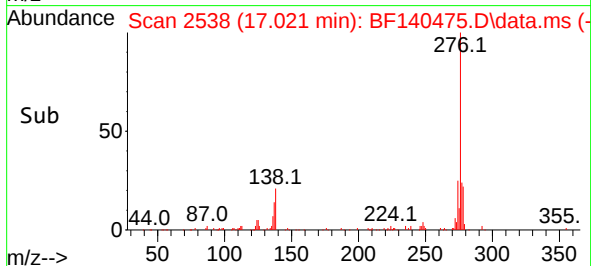
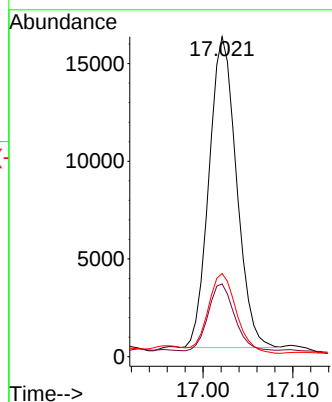
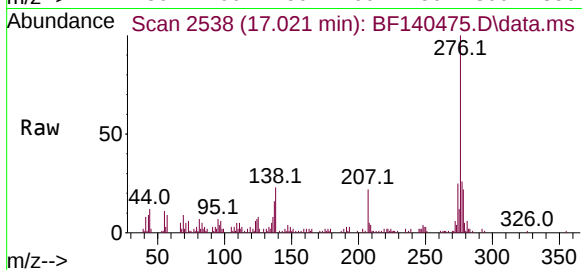
Tgt Ion:276 Resp: 33820

Ion Ratio Lower Upper

276 100

138 20.6 18.8 28.2

277 26.6 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 6.770 ng m

RT: 15.092 min Scan# 2210

Delta R.T. -0.024 min

Lab File: BF140475.D

Acq: 19 Nov 2024 15:58

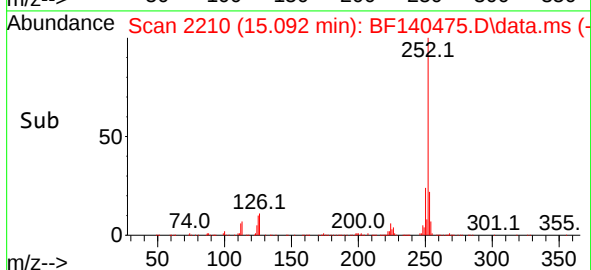
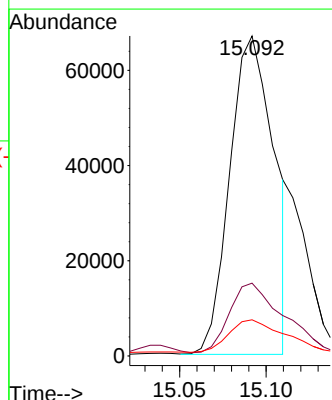
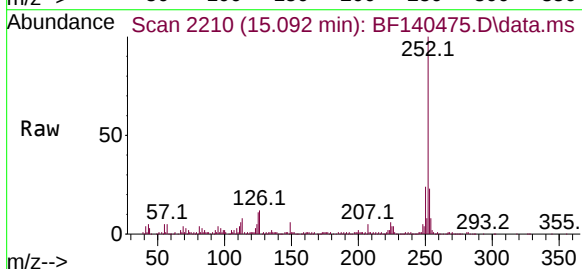
Tgt Ion:252 Resp: 119213

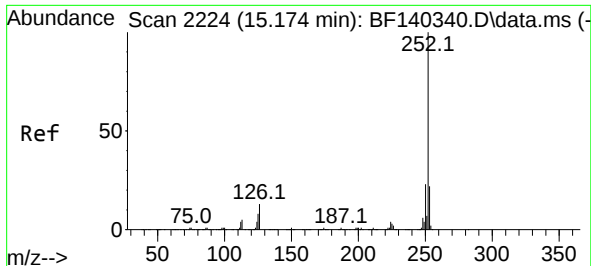
Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 11.3 8.0 12.0

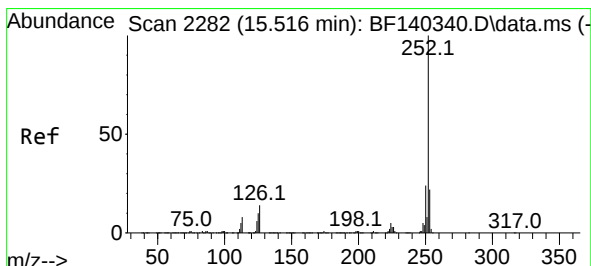
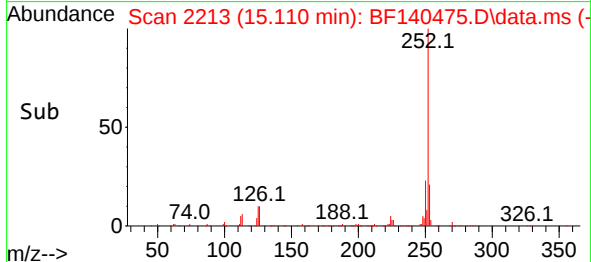
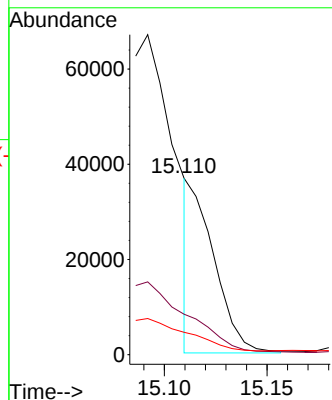
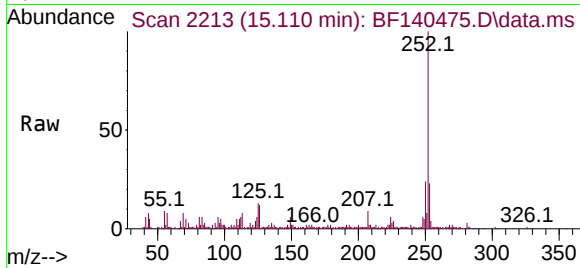




#89
Benzo(k)fluoranthene
Concen: 2.051 ng m
RT: 15.110 min Scan# 2110
Delta R.T. -0.041 min
Lab File: BF140475.D
Acq: 19 Nov 2024 15:58

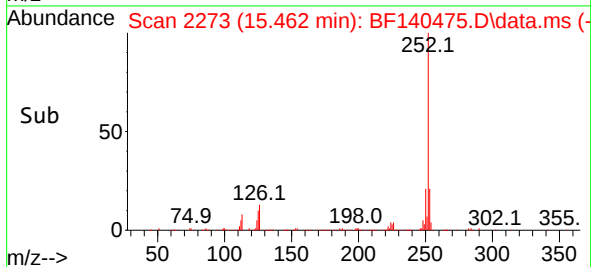
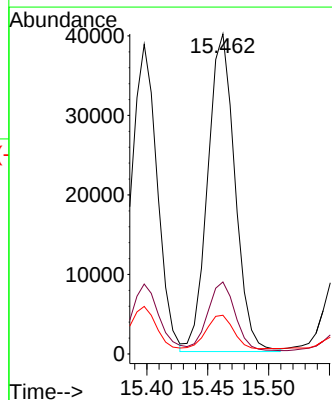
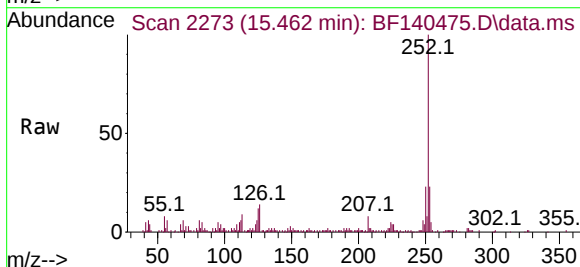
Instrument :
BNA_F
ClientSampleId :
#72-11978

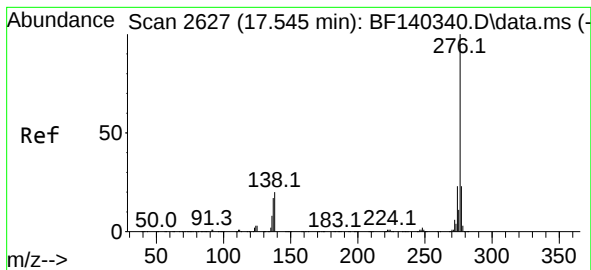
Tgt Ion:252 Resp: 29498
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 12.7 7.4 11.2#



#90
Benzo(a)pyrene
Concen: 4.548 ng
RT: 15.462 min Scan# 2273
Delta R.T. -0.030 min
Lab File: BF140475.D
Acq: 19 Nov 2024 15:58

Tgt Ion:252 Resp: 62190
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 12.1 8.4 12.6





#92

Benzo(g,h,i)perylene

Concen: 2.449 ng

RT: 17.480 min Scan# 20

Delta R.T. -0.035 min

Lab File: BF140475.D

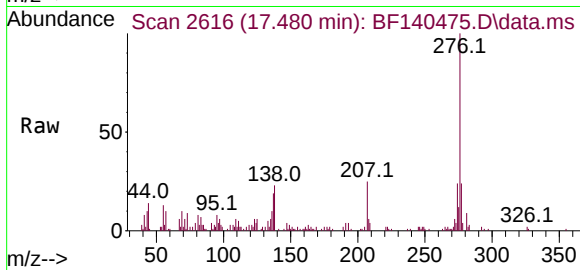
Acq: 19 Nov 2024 15:58

Instrument :

BNA_F

ClientSampleId :

#72-11978



Tgt Ion:276 Resp: 34411

Ion Ratio Lower Upper

276 100

277 23.8 18.6 28.0

138 22.9 16.0 24.0

