

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
 Data File : BF135379.D
 Acq On : 21 Sep 2023 14:32
 Operator : CG\JU
 Sample : 04501-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Sep 22 05:56:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

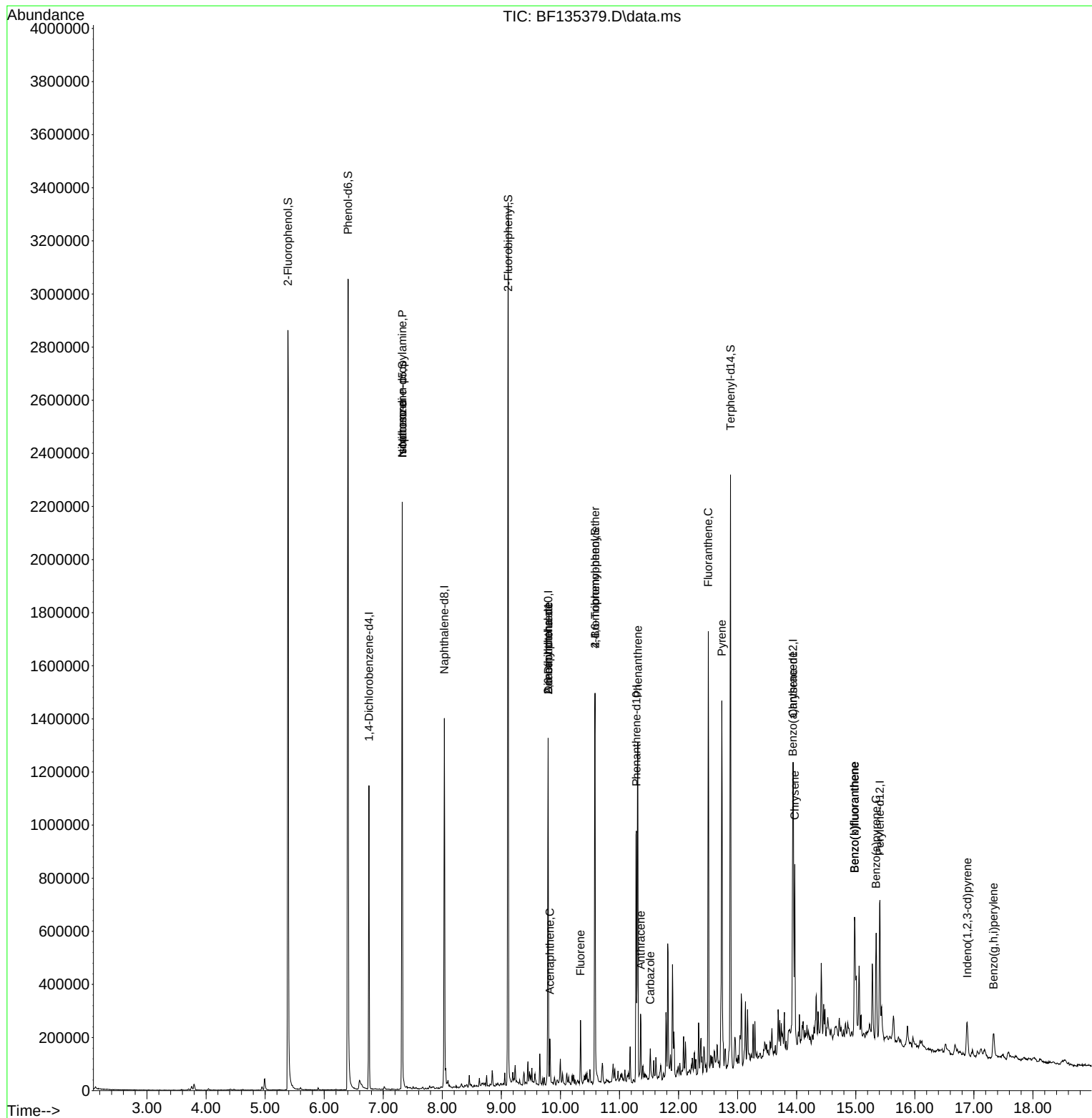
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	153136	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	547175	20.000	ng	#-0.01
39) Acenaphthene-d10	9.792	164	245246	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	371732	20.000	ng	0.00
76) Chrysene-d12	13.939	240	270351	20.000	ng	# 0.00
86) Perylene-d12	15.410	264	247383	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	821968	87.301	ng	0.00
7) Phenol-d6	6.404	99	1043084	87.126	ng	0.00
23) Nitrobenzene-d5	7.322	82	639151	63.462	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	169909	69.716	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	1022355	62.894	ng	-0.01
79) Terphenyl-d14	12.880	244	756741	43.392	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.322	70	83799	11.300	ng	# 82
25) Isophorone	7.322	82	639142	34.560	ng	# 65
50) Dimethylphthalate	9.792	163	48790	2.943	ng	# 1
51) 2,6-Dinitrotoluene	9.792	165	33117	9.117	ng	# 17
52) Acenaphthene	9.822	154	32233	2.401	ng	98
58) Fluorene	10.339	166	65256	4.143	ng	100
67) 4-Bromophenyl-phenylether	10.586	248	11151	3.016	ng	# 1
71) Phenanthrene	11.310	178	480499	27.330	ng	99
72) Anthracene	11.357	178	90958	5.033	ng	99
73) Carbazole	11.522	167	41507	2.523	ng	98
75) Fluoranthene	12.504	202	620509	33.871	ng	98
78) Pyrene	12.733	202	583196	22.658	ng	100
81) Benzo(a)anthracene	13.933	228	248519	14.236	ng	96
83) Chrysene	13.969	228	268056	15.444	ng	98
87) Indeno(1,2,3-cd)pyrene	16.886	276	84527	5.211	ng	98
88) Benzo(b)fluoranthene	14.980	252	341668	25.513	ng	# 95
89) Benzo(k)fluoranthene	14.980	252	341668	25.828	ng	# 95
90) Benzo(a)pyrene	15.345	252	179343	14.043	ng	98
92) Benzo(g,h,i)perylene	17.333	276	81694	5.894	ng	95

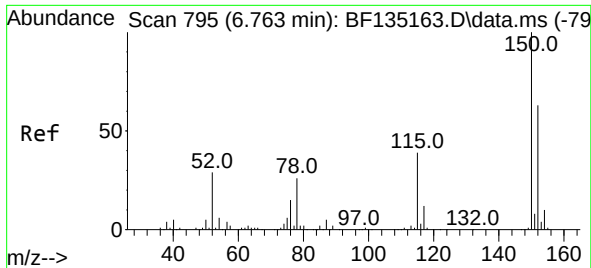
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135379.D
Acq On : 21 Sep 2023 14:32
Operator : CG\JU
Sample : 04501-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1

Quant Time: Sep 22 05:56:07 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 00:19:07 2023
Response via : Initial Calibration

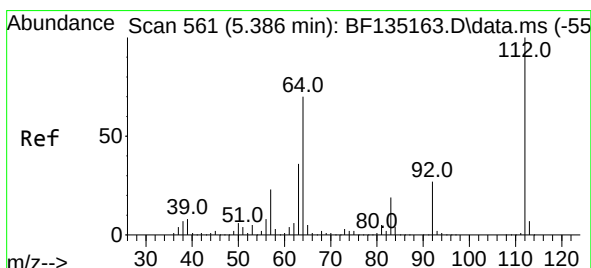
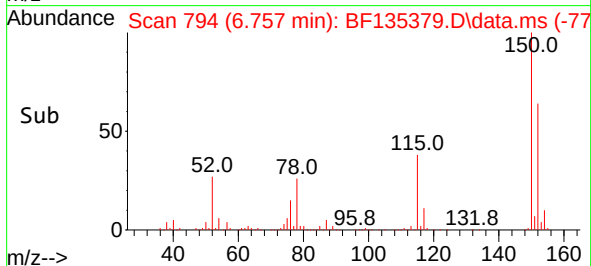
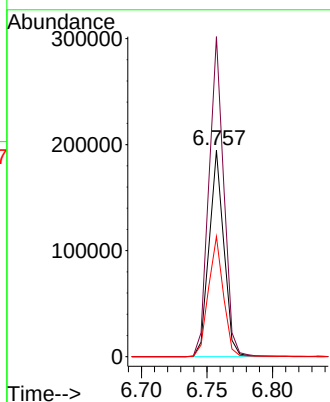
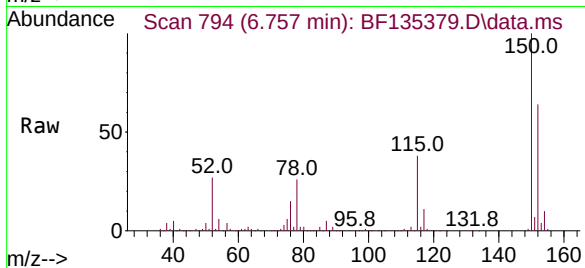




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32

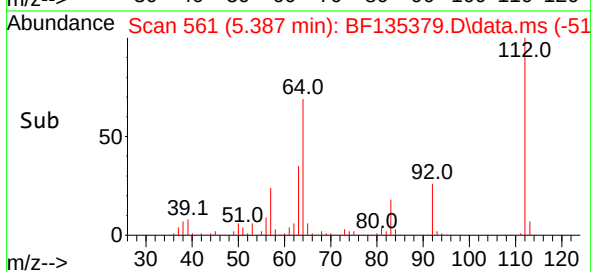
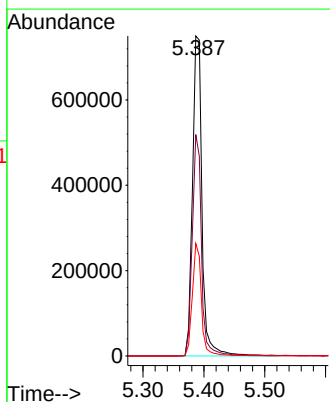
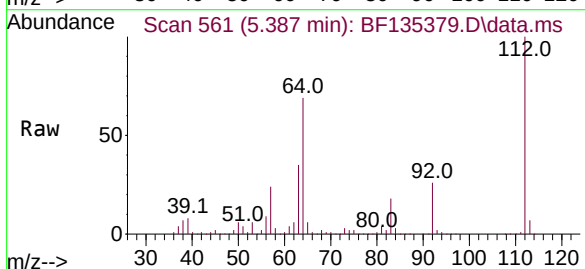
Instrument :
BNA_F
ClientSampleId :
TP-1

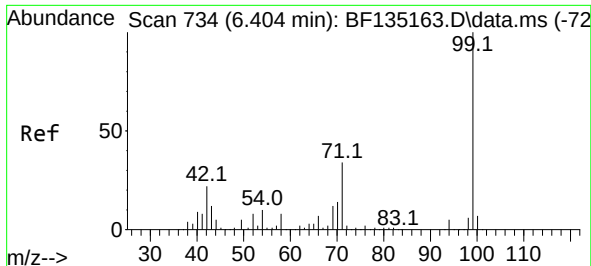
Tgt Ion:152 Resp: 153136
Ion Ratio Lower Upper
152 100
150 155.0 127.8 191.6
115 58.2 49.8 74.8



#5
2-Fluorophenol
Concen: 87.301 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32

Tgt Ion:112 Resp: 821968
Ion Ratio Lower Upper
112 100
64 69.2 55.9 83.9
63 35.2 29.0 43.6





#7

Phenol-d6

Concen: 87.126 ng

RT: 6.404 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF135379.D

Acq: 21 Sep 2023 14:32

Instrument :

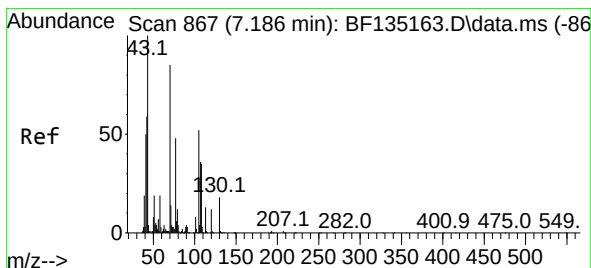
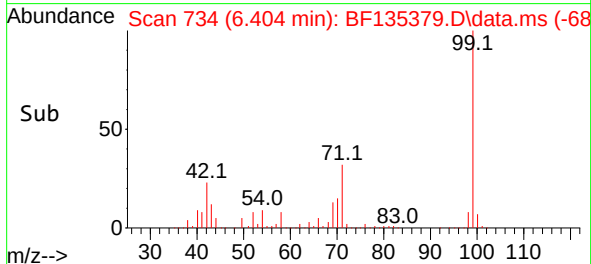
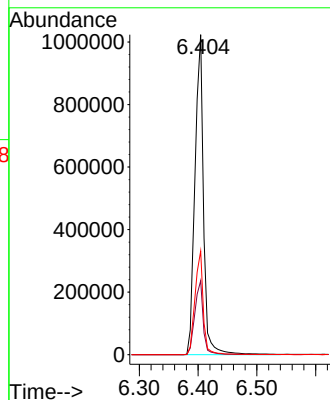
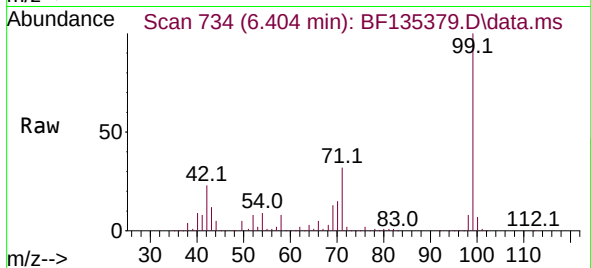
BNA_F

ClientSampleId :

TP-1

Tgt Ion: 99 Resp: 1043084

Ion	Ratio	Lower	Upper
99	100		
42	23.1	17.9	26.9
71	32.4	27.0	40.6



#19

n-Nitroso-di-n-propylamine

Concen: 11.300 ng

RT: 7.322 min Scan# 890

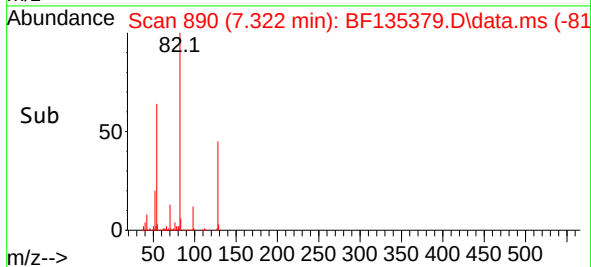
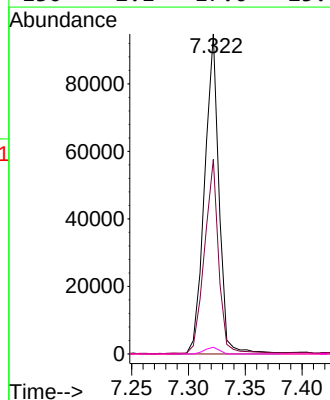
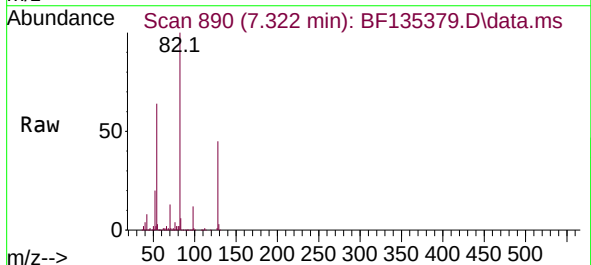
Delta R.T. 0.135 min

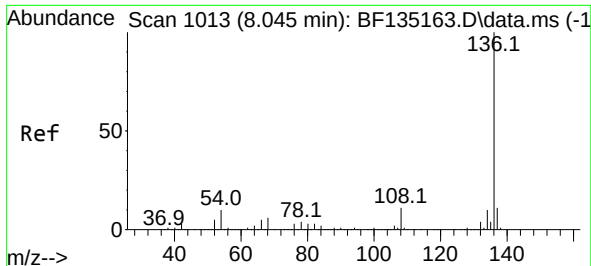
Lab File: BF135379.D

Acq: 21 Sep 2023 14:32

Tgt Ion: 70 Resp: 83799

Ion	Ratio	Lower	Upper
70	100		
42	60.8	55.4	83.0
101	0.0	7.7	11.5#
130	2.1	17.0	25.6#

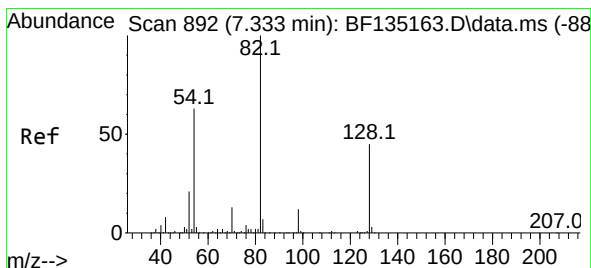
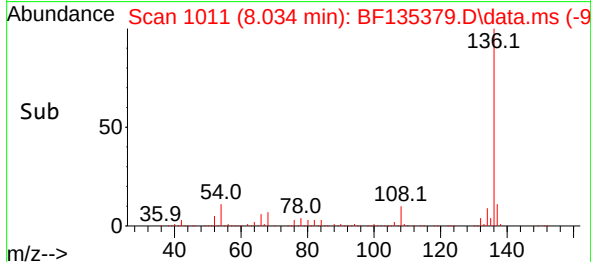
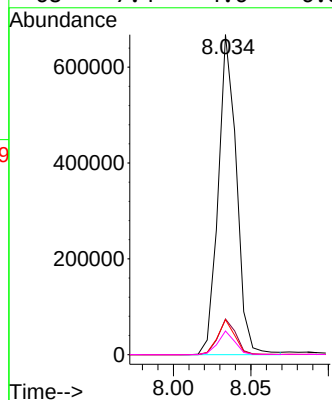
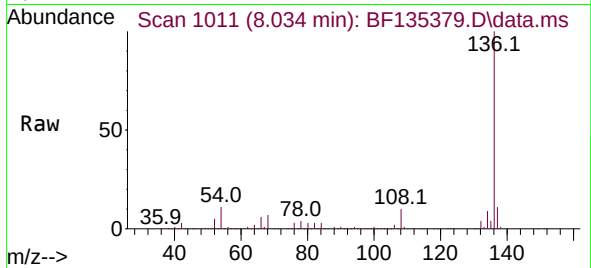




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1013
Delta R.T. -0.012 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32

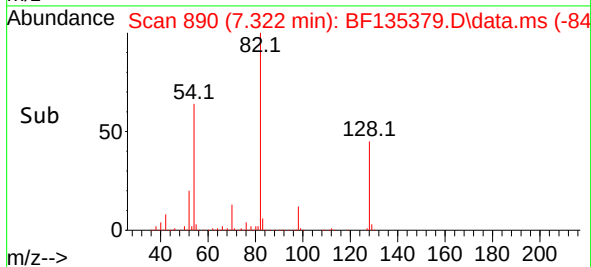
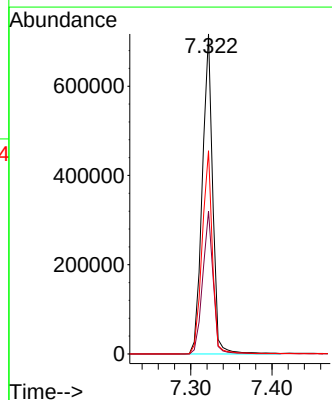
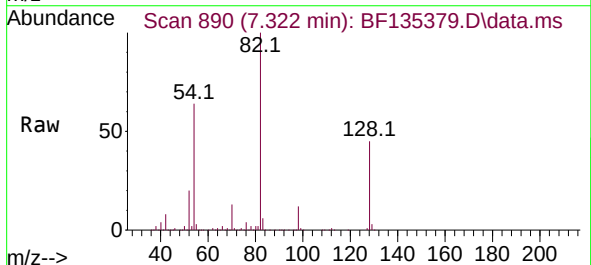
Instrument :
BNA_F
ClientSampleId :
TP-1

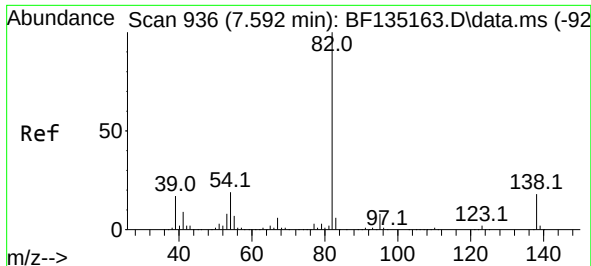
Tgt Ion:136 Resp: 547175
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 11.0 7.7 11.5
68 7.4 4.6 6.8#



#23
Nitrobenzene-d5
Concen: 63.462 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32

Tgt Ion: 82 Resp: 639151
Ion Ratio Lower Upper
82 100
128 44.7 35.8 53.6
54 63.5 50.6 76.0





#25

Isophorone

Concen: 34.560 ng

RT: 7.322 min Scan# 89

Delta R.T. -0.270 min

Lab File: BF135379.D

Acq: 21 Sep 2023 14:32

Instrument :

BNA_F

ClientSampleId :

TP-1

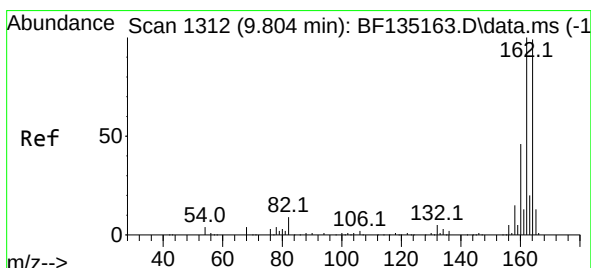
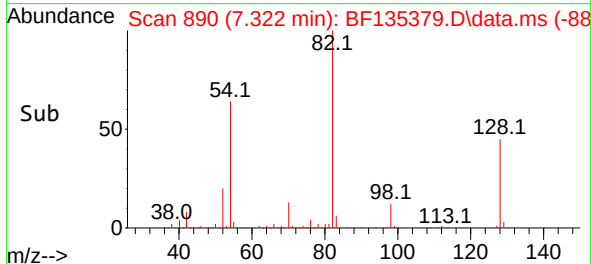
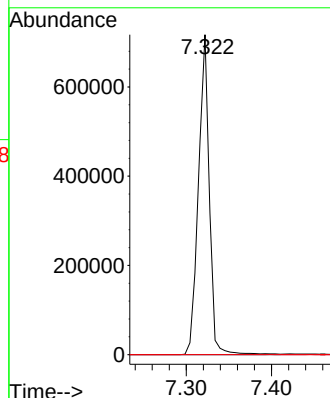
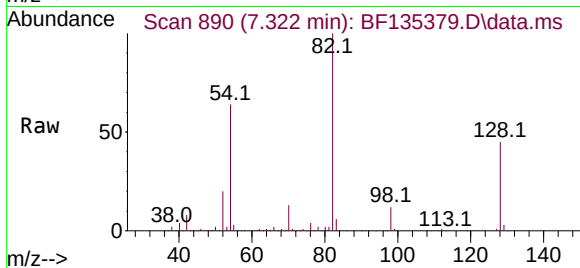
Tgt Ion: 82 Resp: 639142

Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 14.5 21.7#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.792 min Scan# 1310

Delta R.T. -0.012 min

Lab File: BF135379.D

Acq: 21 Sep 2023 14:32

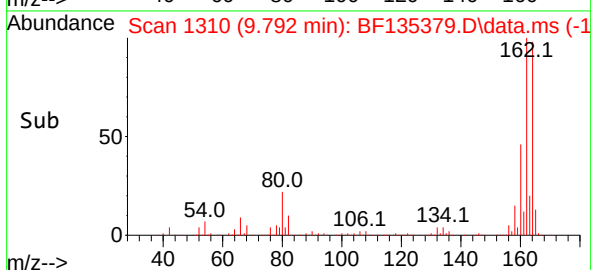
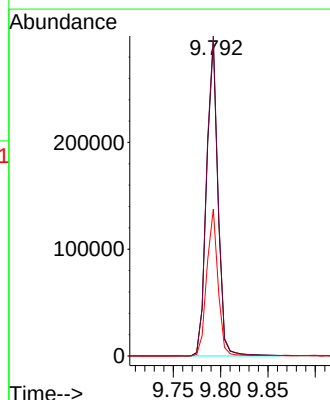
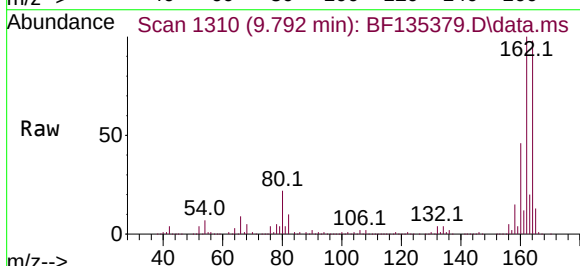
Tgt Ion: 164 Resp: 245246

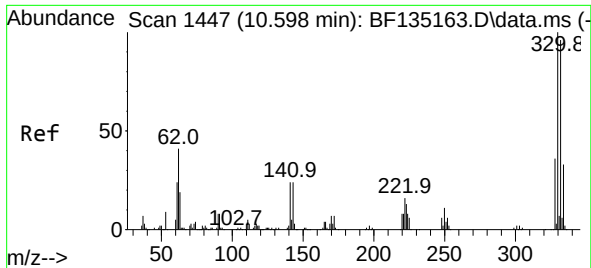
Ion Ratio Lower Upper

164 100

162 101.9 81.0 121.4

160 46.8 37.0 55.4

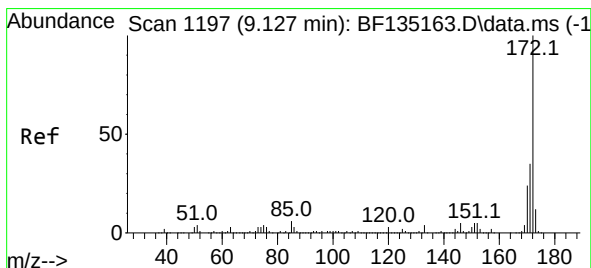
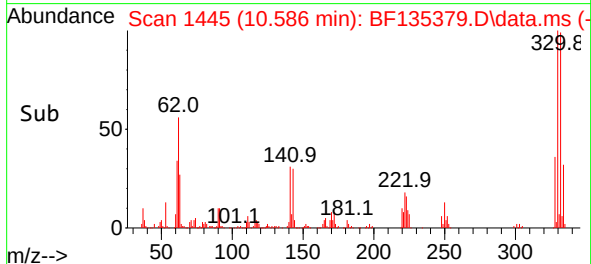
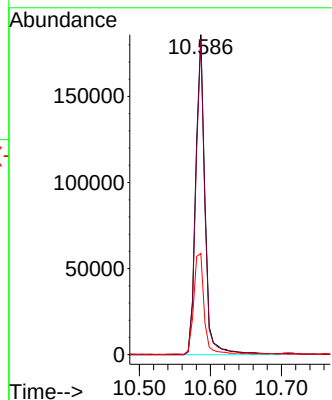
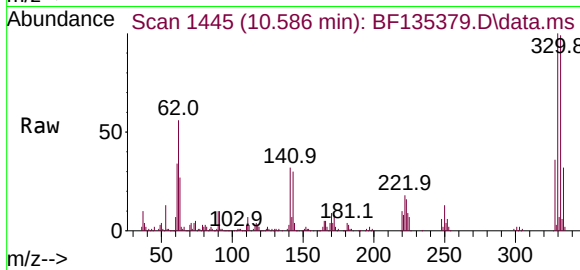




#42
2,4,6-Tribromophenol
Concen: 69.716 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32

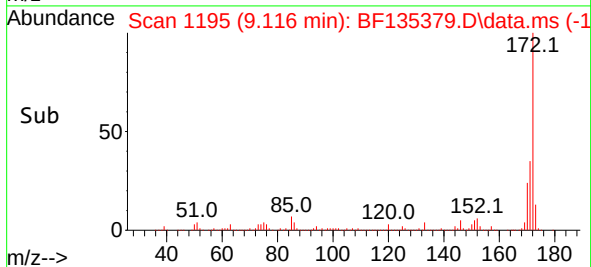
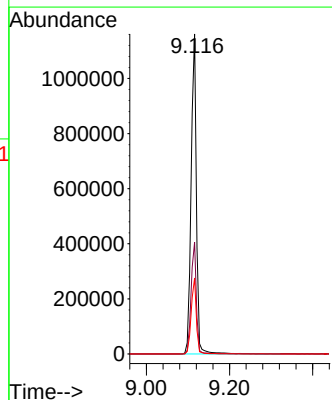
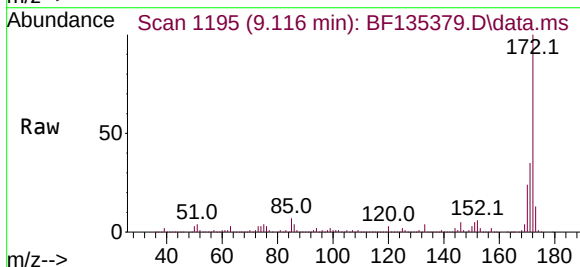
Instrument :
BNA_F
ClientSampleId :
TP-1

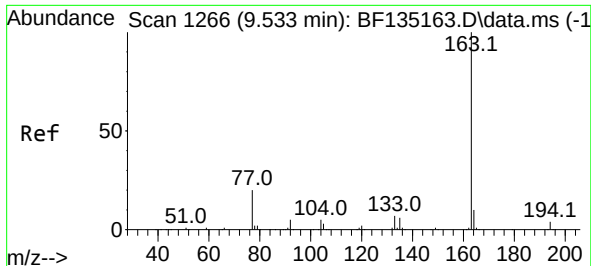
Tgt Ion:330 Resp: 169909
Ion Ratio Lower Upper
330 100
332 96.1 77.3 115.9
141 35.7 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 62.894 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32

Tgt Ion:172 Resp: 1022355
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.8 19.0 28.4

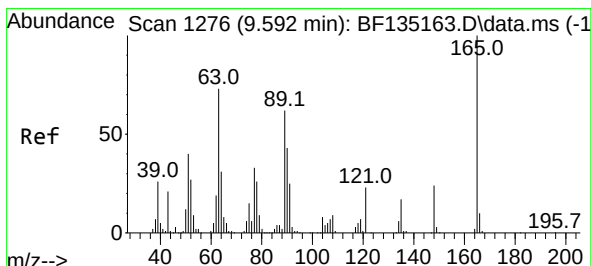
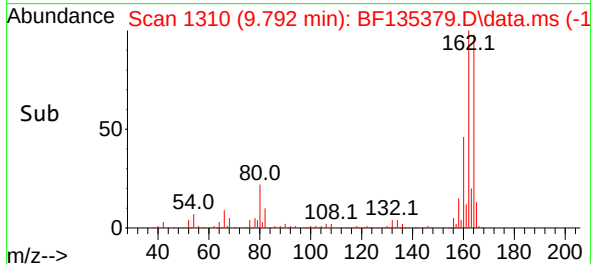
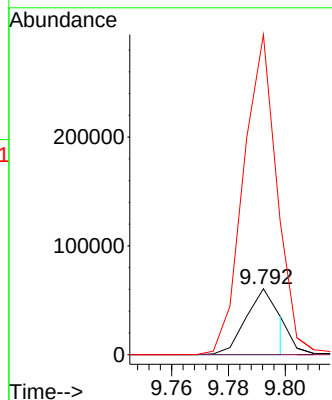
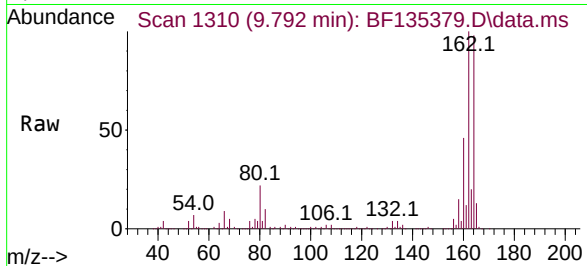




#50
Dimethylphthalate
Concen: 2.943 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.259 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32

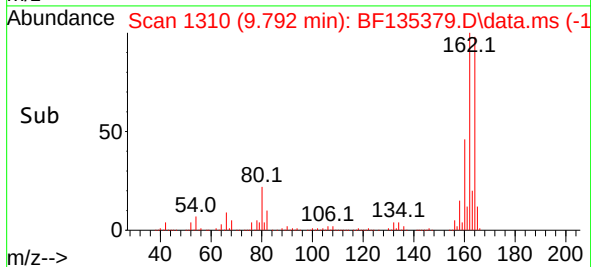
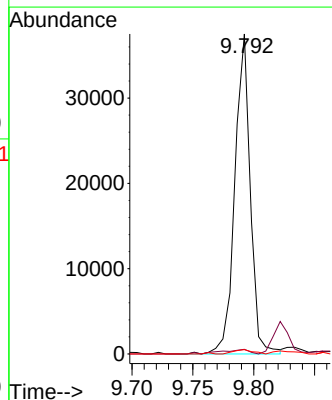
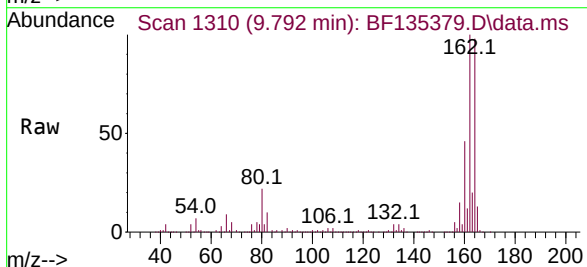
Instrument :
BNA_F
ClientSampleId :
TP-1

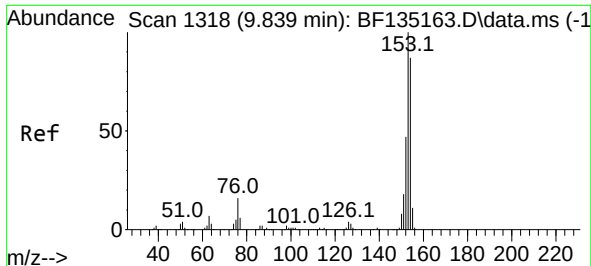
Tgt Ion:163 Resp: 48790
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 485.5 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 9.117 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.200 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32

Tgt Ion:165 Resp: 33117
Ion Ratio Lower Upper
165 100
63 1.4 59.4 89.2#
89 1.4 49.8 74.8#

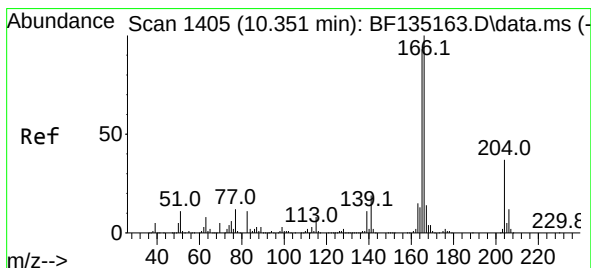
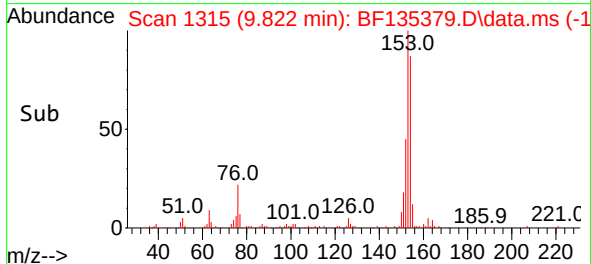
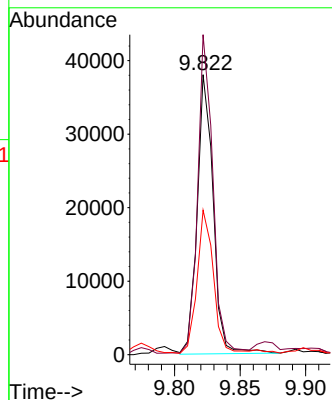
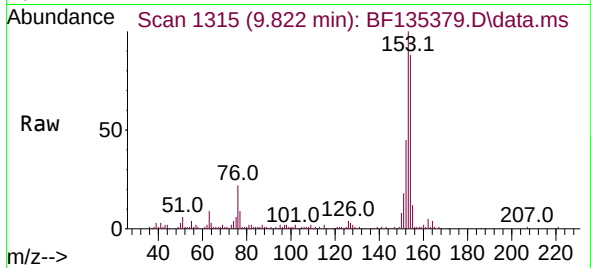




#52
Acenaphthene
Concen: 2.401 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32

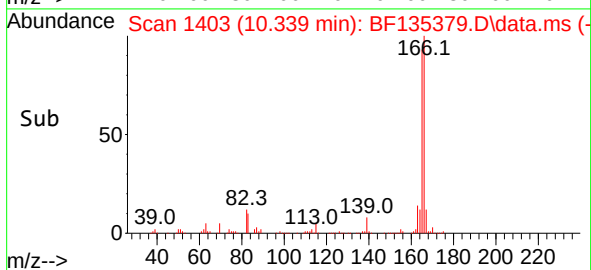
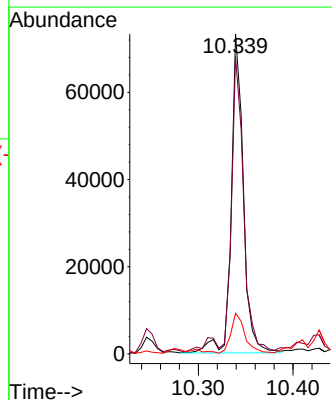
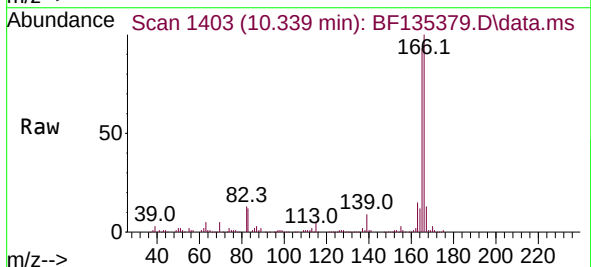
Instrument :
BNA_F
ClientSampleId :
TP-1

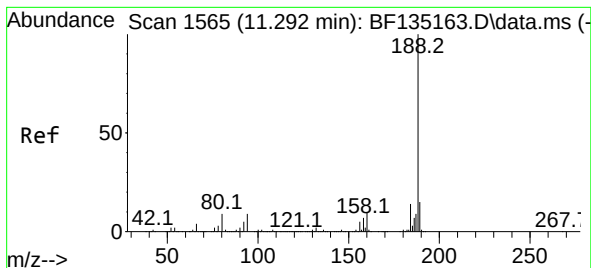
Tgt Ion:154 Resp: 32233
Ion Ratio Lower Upper
154 100
153 114.3 92.1 138.1
152 51.6 43.1 64.7



#58
Fluorene
Concen: 4.143 ng
RT: 10.339 min Scan# 1403
Delta R.T. -0.012 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32

Tgt Ion:166 Resp: 65256
Ion Ratio Lower Upper
166 100
165 93.0 74.3 111.5
167 12.7 10.9 16.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.286 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135379.D

Acq: 21 Sep 2023 14:32

Instrument :

BNA_F

ClientSampleId :

TP-1

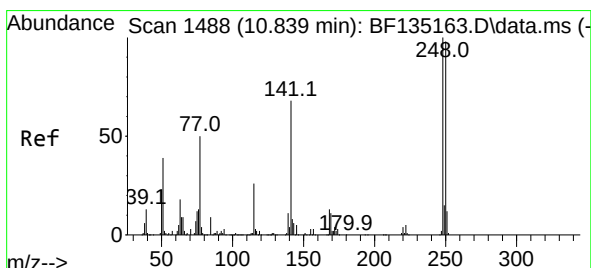
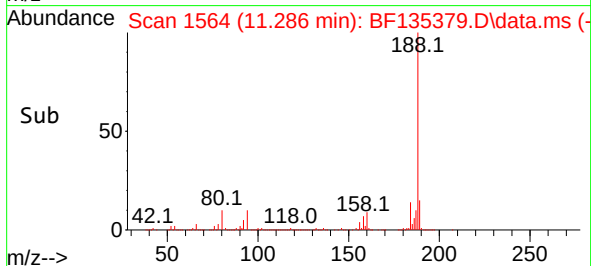
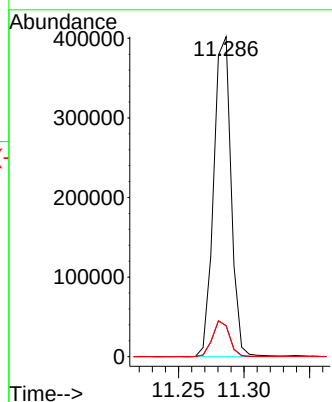
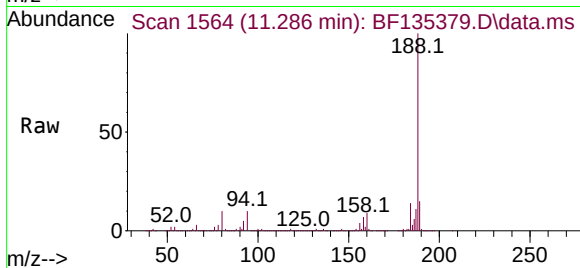
Tgt Ion:188 Resp: 371732

Ion Ratio Lower Upper

188 100

94 9.7 7.0 10.6

80 9.7 7.5 11.3



#67

4-Bromophenyl-phenylether

Concen: 3.016 ng

RT: 10.586 min Scan# 1445

Delta R.T. -0.253 min

Lab File: BF135379.D

Acq: 21 Sep 2023 14:32

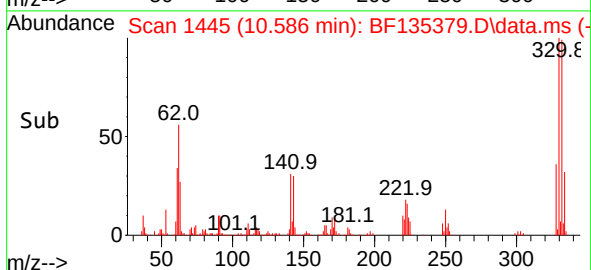
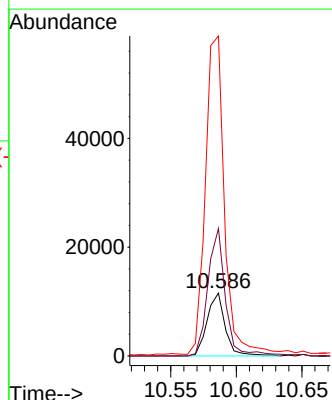
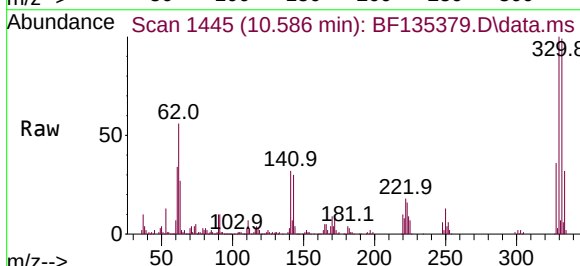
Tgt Ion:248 Resp: 11151

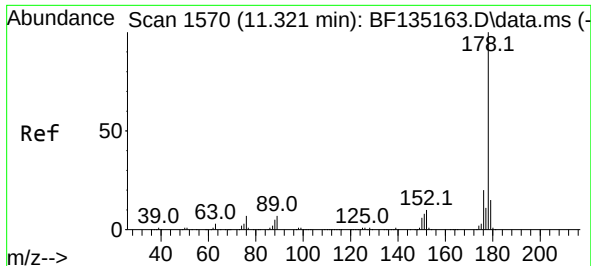
Ion Ratio Lower Upper

248 100

250 203.0 78.6 117.8#

141 509.2 54.2 81.2#

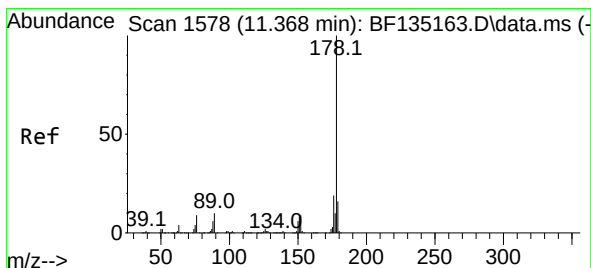
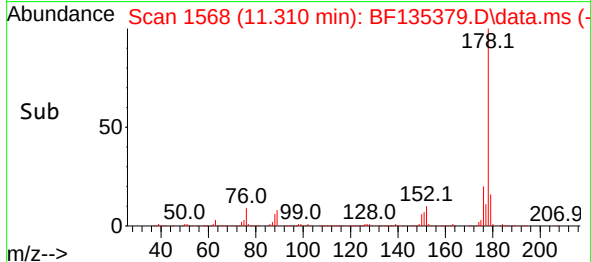
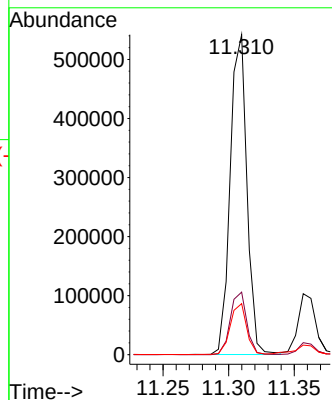
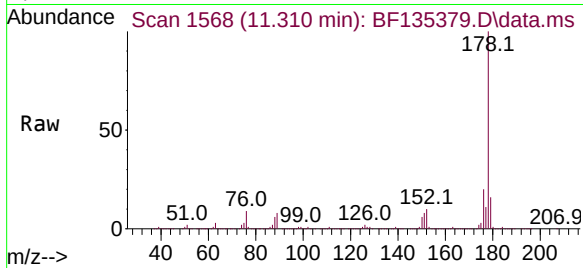




#71
Phenanthrene
Concen: 27.330 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32

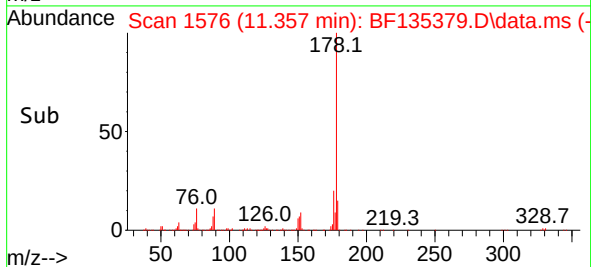
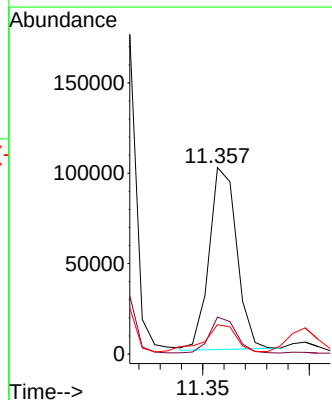
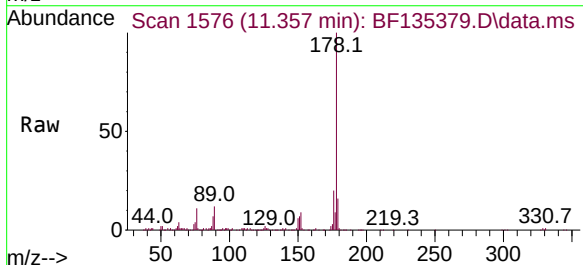
Instrument :
BNA_F
ClientSampleId :
TP-1

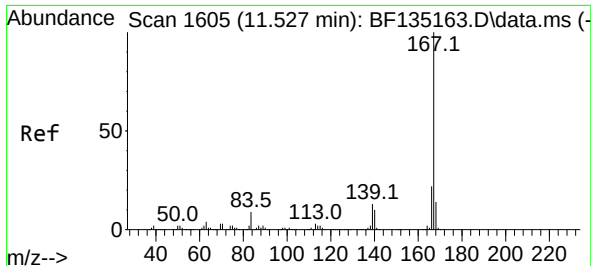
Tgt Ion:178 Resp: 480499
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.9 12.0 18.0



#72
Anthracene
Concen: 5.033 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.012 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32

Tgt Ion:178 Resp: 90958
Ion Ratio Lower Upper
178 100
176 19.8 15.4 23.2
179 15.7 12.6 19.0

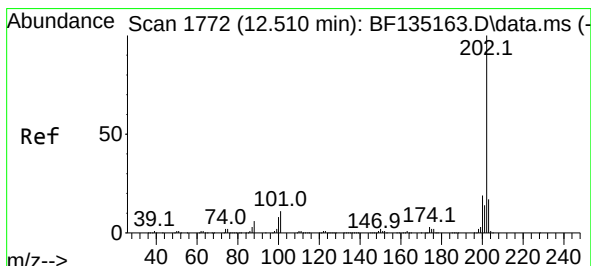
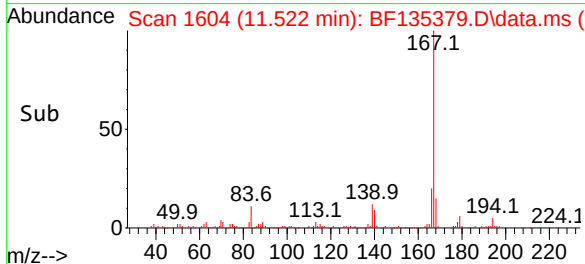
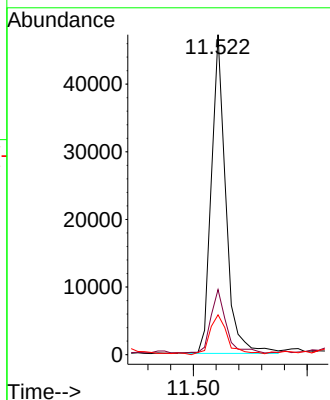
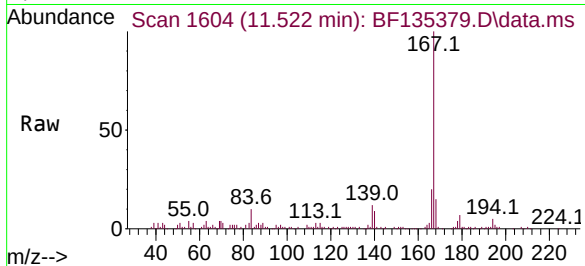




#73
 Carbazole
 Concen: 2.523 ng
 RT: 11.522 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF135379.D
 Acq: 21 Sep 2023 14:32

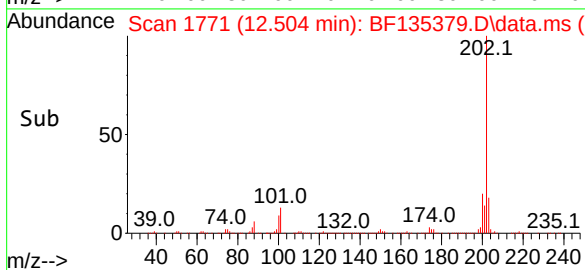
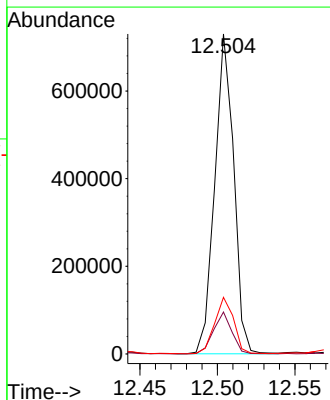
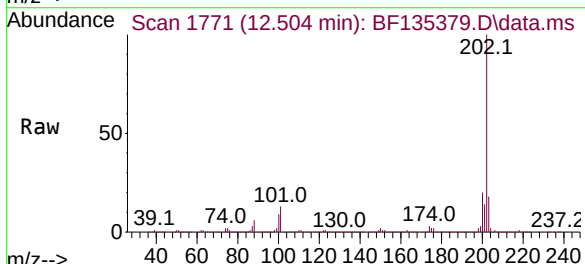
Instrument :
 BNA_F
 ClientSampleId :
 TP-1

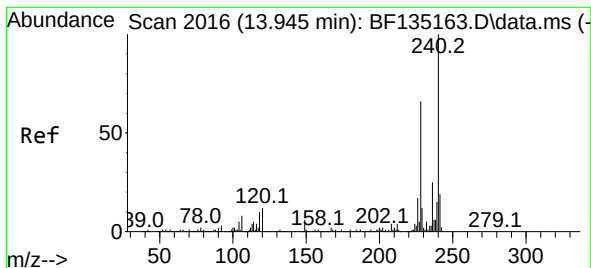
Tgt Ion:167 Resp: 41507
 Ion Ratio Lower Upper
 167 100
 166 20.3 17.4 26.0
 139 12.5 10.6 15.8



#75
 Fluoranthene
 Concen: 33.871 ng
 RT: 12.504 min Scan# 1771
 Delta R.T. -0.006 min
 Lab File: BF135379.D
 Acq: 21 Sep 2023 14:32

Tgt Ion:202 Resp: 620509
 Ion Ratio Lower Upper
 202 100
 101 13.1 0.0 31.3
 203 17.7 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135379.D

Acq: 21 Sep 2023 14:32

Instrument :

BNA_F

ClientSampleId :

TP-1

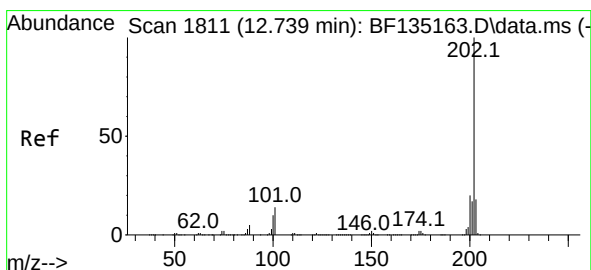
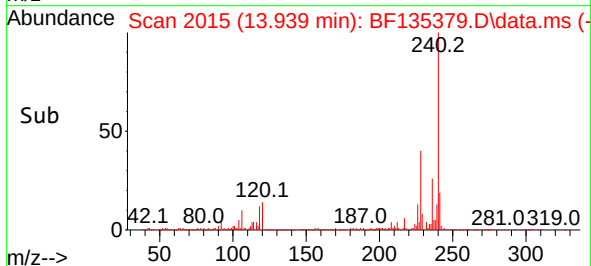
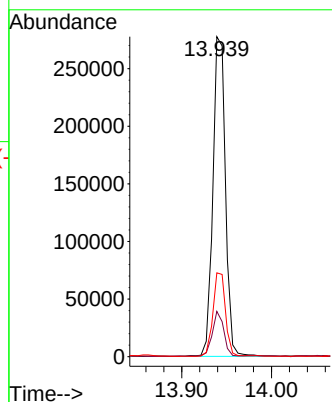
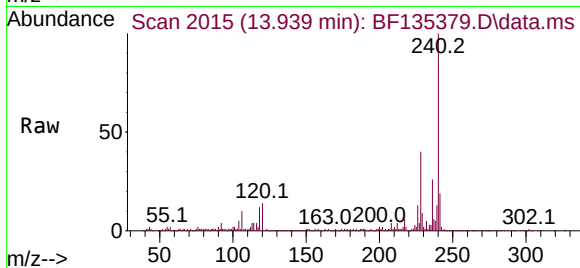
Tgt Ion:240 Resp: 270351

Ion Ratio Lower Upper

240 100

120 14.2 9.4 14.2#

236 26.2 19.8 29.8



#78

Pyrene

Concen: 22.658 ng

RT: 12.733 min Scan# 1810

Delta R.T. -0.006 min

Lab File: BF135379.D

Acq: 21 Sep 2023 14:32

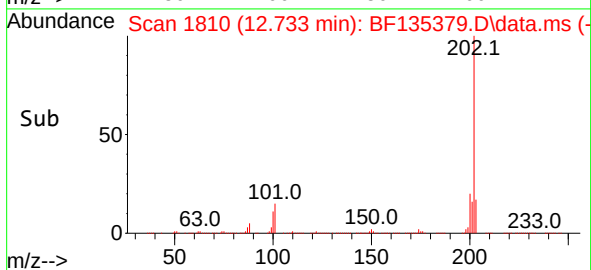
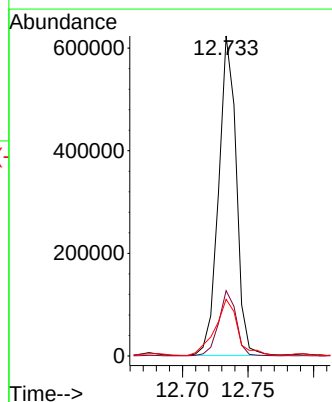
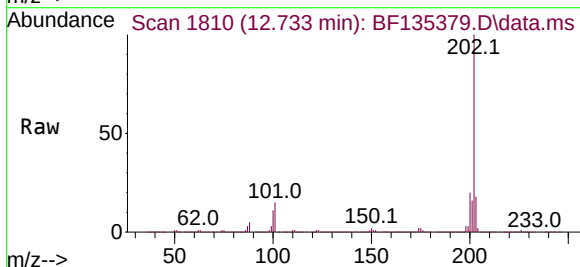
Tgt Ion:202 Resp: 583196

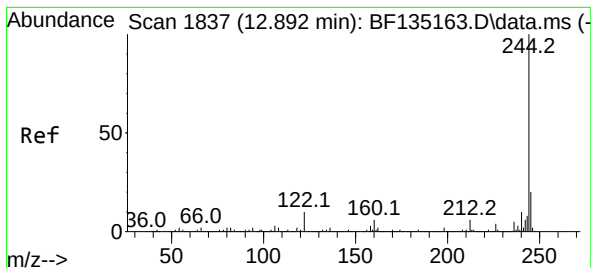
Ion Ratio Lower Upper

202 100

200 20.4 16.2 24.2

203 17.7 14.2 21.4





#79

Terphenyl-d14

Concen: 43.392 ng

RT: 12.880 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135379.D

Acq: 21 Sep 2023 14:32

Instrument :

BNA_F

ClientSampleId :

TP-1

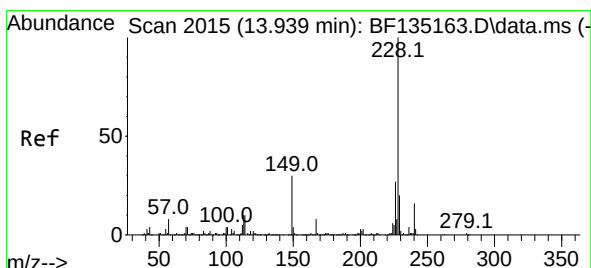
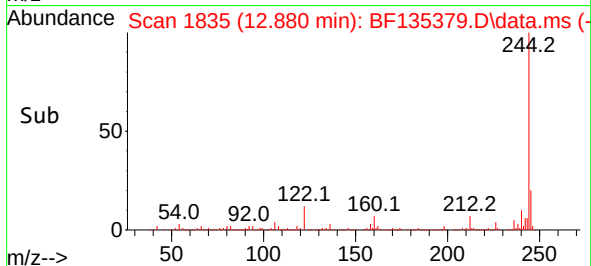
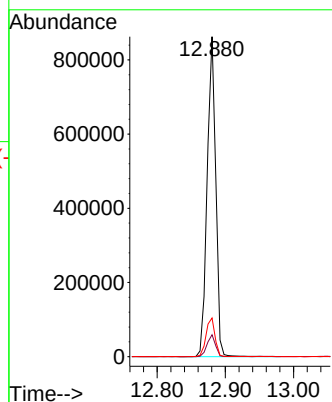
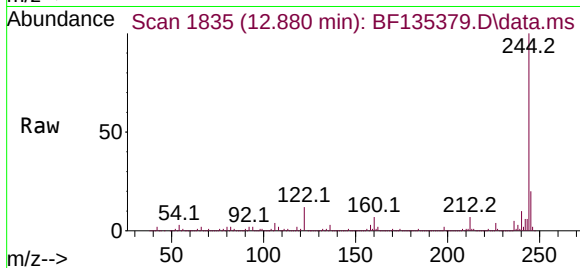
Tgt Ion:244 Resp: 756741

Ion Ratio Lower Upper

244 100

212 6.8 5.1 7.7

122 12.1 7.9 11.9#



#81

Benzo(a)anthracene

Concen: 14.236 ng

RT: 13.933 min Scan# 2014

Delta R.T. -0.006 min

Lab File: BF135379.D

Acq: 21 Sep 2023 14:32

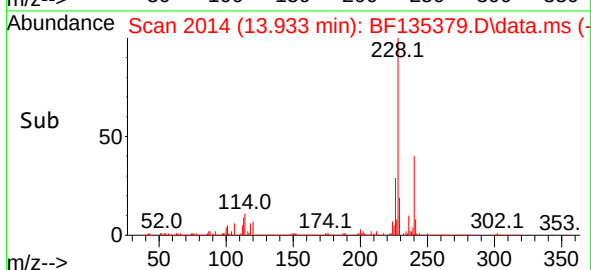
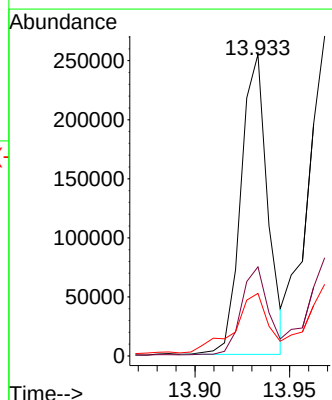
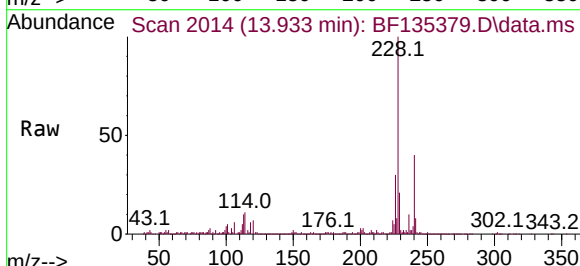
Tgt Ion:228 Resp: 248519

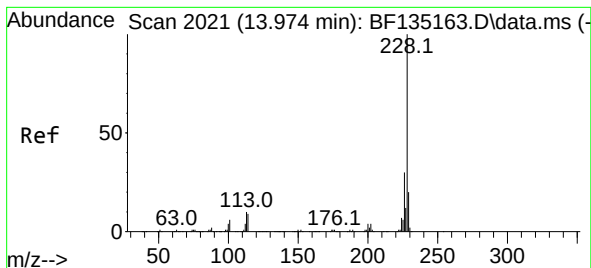
Ion Ratio Lower Upper

228 100

226 29.6 21.7 32.5

229 20.7 15.8 23.8





#83

Chrysene

Concen: 15.444 ng

RT: 13.969 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135379.D

Acq: 21 Sep 2023 14:32

Instrument :

BNA_F

ClientSampleId :

TP-1

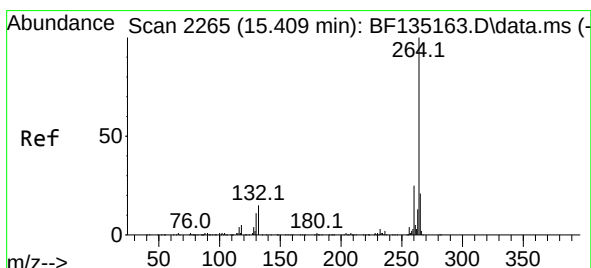
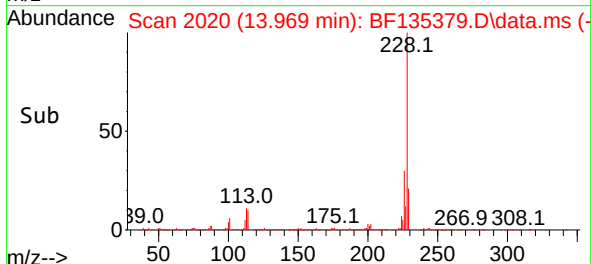
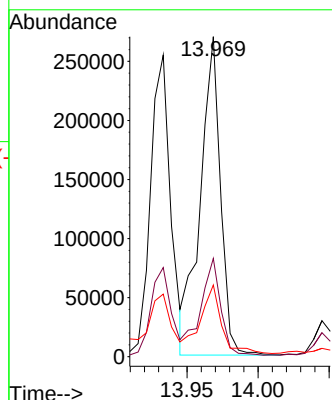
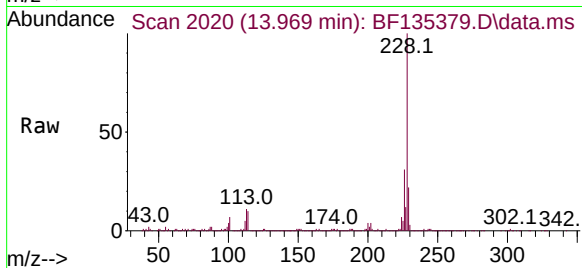
Tgt Ion:228 Resp: 268056

Ion Ratio Lower Upper

228 100

226 30.7 24.3 36.5

229 22.4 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 2265

Delta R.T. 0.000 min

Lab File: BF135379.D

Acq: 21 Sep 2023 14:32

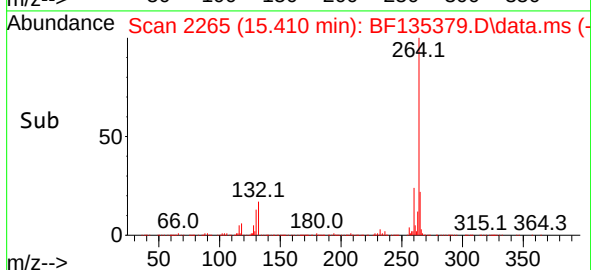
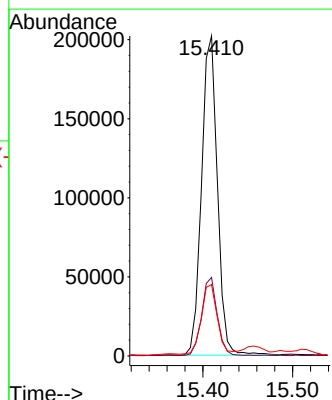
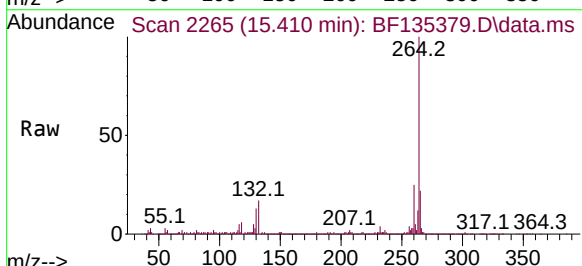
Tgt Ion:264 Resp: 247383

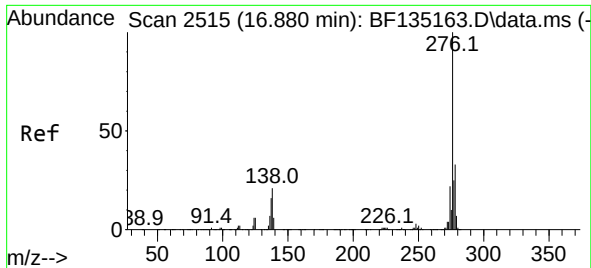
Ion Ratio Lower Upper

264 100

260 24.5 19.8 29.6

265 22.3 17.0 25.4

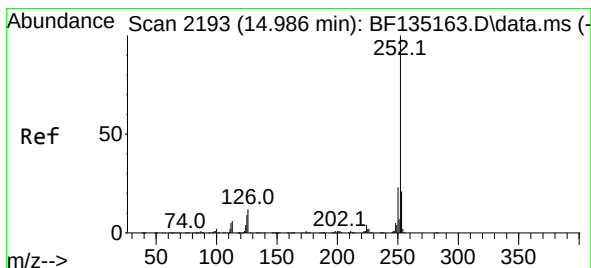
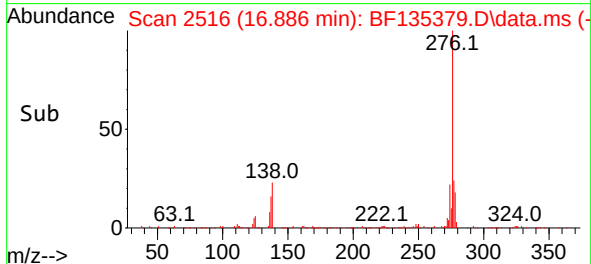
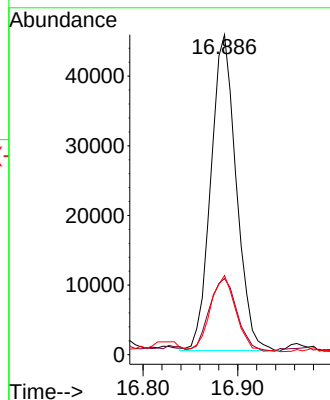
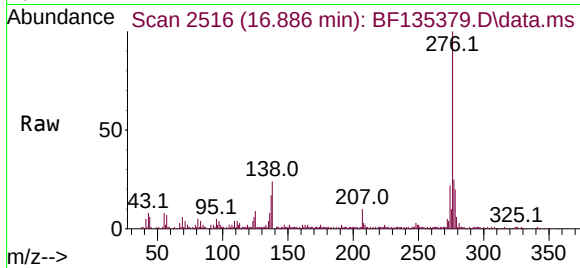




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.211 ng
RT: 16.886 min Scan# 211
Delta R.T. 0.006 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32

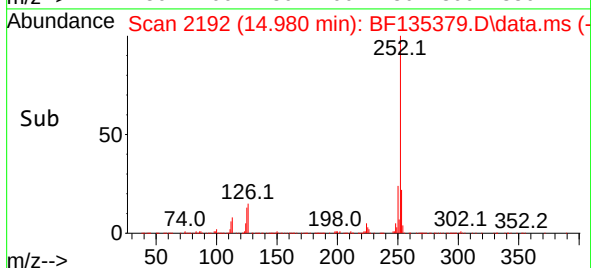
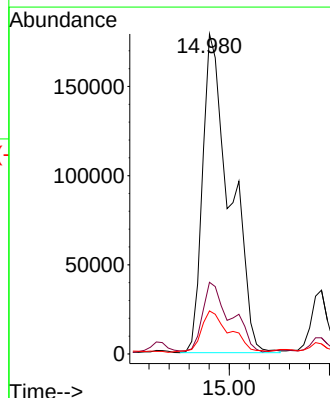
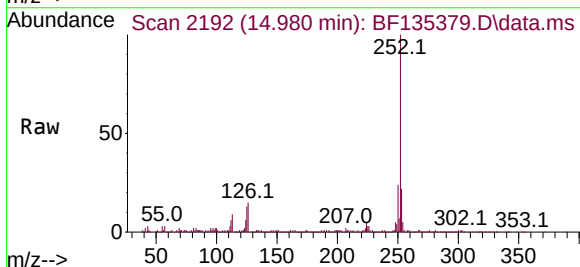
Instrument :
BNA_F
ClientSampleId :
TP-1

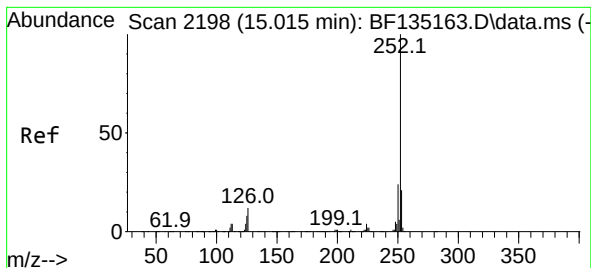
Tgt Ion:276 Resp: 84527
Ion Ratio Lower Upper
276 100
138 25.3 19.2 28.8
277 24.3 19.7 29.5



#88
Benzo(b)fluoranthene
Concen: 25.513 ng
RT: 14.980 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BF135379.D
Acq: 21 Sep 2023 14:32

Tgt Ion:252 Resp: 341668
Ion Ratio Lower Upper
252 100
253 22.4 17.2 25.8
125 13.5 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 25.828 ng

RT: 14.980 min Scan# 2198

Delta R.T. -0.035 min

Lab File: BF135379.D

Acq: 21 Sep 2023 14:32

Instrument :

BNA_F

ClientSampleId :

TP-1

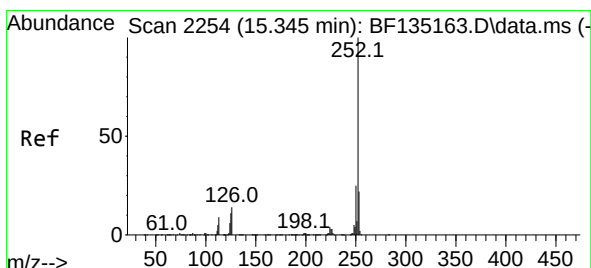
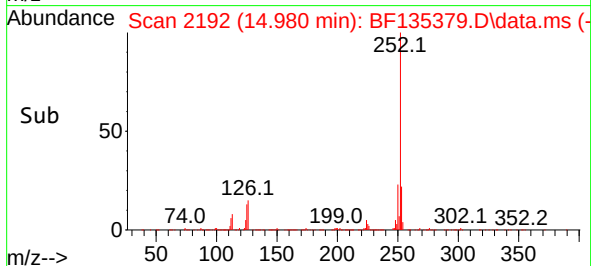
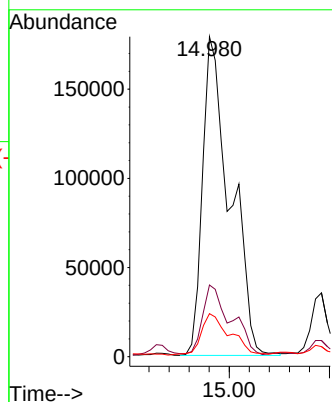
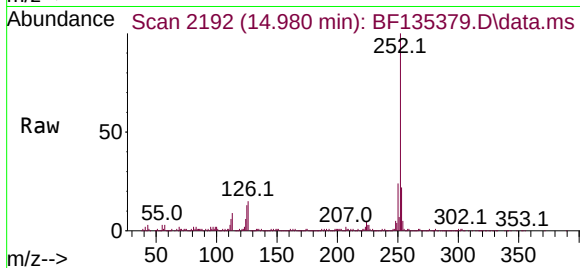
Tgt Ion:252 Resp: 341668

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

125 13.5 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 14.043 ng

RT: 15.345 min Scan# 2254

Delta R.T. 0.000 min

Lab File: BF135379.D

Acq: 21 Sep 2023 14:32

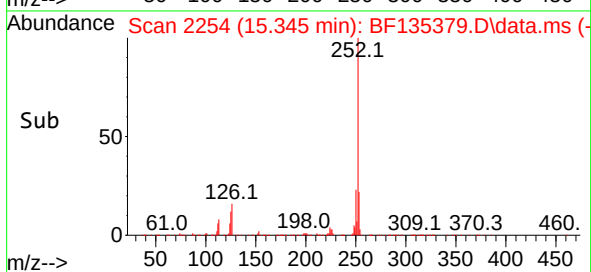
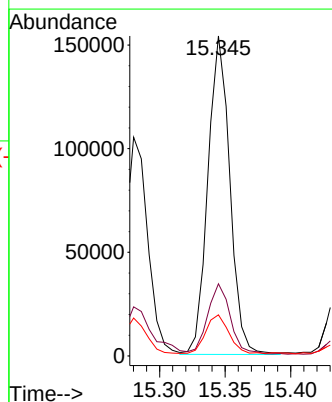
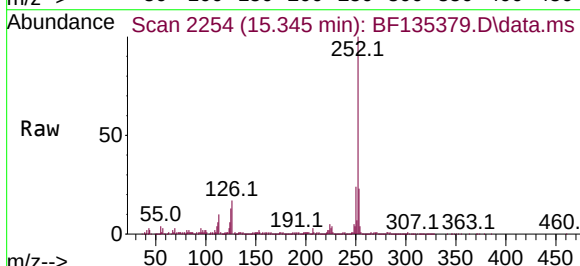
Tgt Ion:252 Resp: 179343

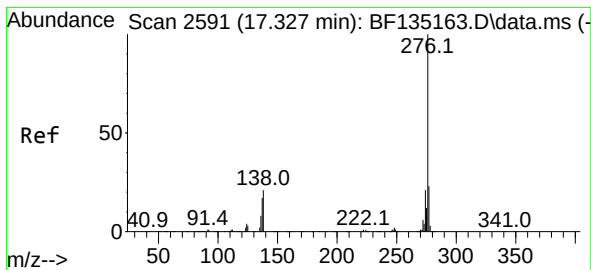
Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 12.8 9.2 13.8





#92

Benzo(g,h,i)perylene

Concen: 5.894 ng

RT: 17.333 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135379.D

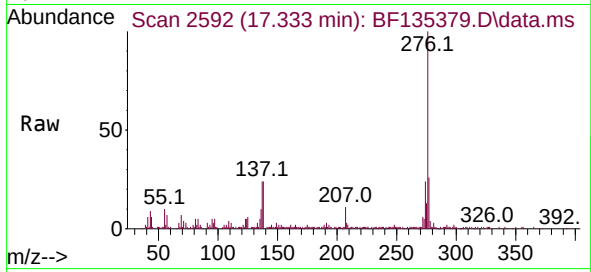
Acq: 21 Sep 2023 14:32

Instrument :

BNA_F

ClientSampleId :

TP-1



Tgt Ion:276 Resp: 81694

Ion Ratio Lower Upper

276 100

277 25.6 18.8 28.2

138 24.1 16.9 25.3

