

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
 Data File : BF135319.D
 Acq On : 18 Sep 2023 21:51
 Operator : CG\JU
 Sample : 04451-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11976

Quant Time: Sep 19 00:17:12 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	126119	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	474702	20.000	ng	-0.01
39) Acenaphthene-d10	9.792	164	219438	20.000	ng	-0.01
64) Phenanthrene-d10	11.280	188	351223	20.000	ng	#-0.01
76) Chrysene-d12	13.939	240	210044	20.000	ng	0.00
86) Perylene-d12	15.404	264	267271	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	1068231	137.760	ng	0.01
7) Phenol-d6	6.404	99	1345182	136.428	ng	0.00
23) Nitrobenzene-d5	7.322	82	865324	99.036	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	270960	124.255	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	1434735	98.644	ng	-0.01
79) Terphenyl-d14	12.880	244	937555	69.195	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.322	70	118868	19.463	ng	# 79
25) Isophorone	7.322	82	864183	53.862	ng	# 65
50) Dimethylphthalate	9.792	163	45405	3.060	ng	# 1
51) 2,6-Dinitrotoluene	9.792	165	28034	8.625	ng	# 17
57) 2,4-Dinitrotoluene	9.792	165	28034	6.890	ng	# 18
67) 4-Bromophenyl-phenylether	10.586	248	17589	5.035	ng	# 1
71) Phenanthrene	11.304	178	51035	3.072	ng	98
75) Fluoranthene	12.504	202	71881	4.153	ng	99
77) Benzidine	12.880	184	12450	2.893	ng	# 93
78) Pyrene	12.733	202	57343	2.867	ng	99
83) Chrysene	13.963	228	36970	2.742	ng	99
85) Di-n-octyl phthalate	14.533	149	27208	2.370	ng	# 30
88) Benzo(b)fluoranthene	14.980	252	58312	4.030	ng	# 98
89) Benzo(k)fluoranthene	14.980	252	58312	4.080	ng	# 97

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

Quant Time: Sep 19 00:17:12 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

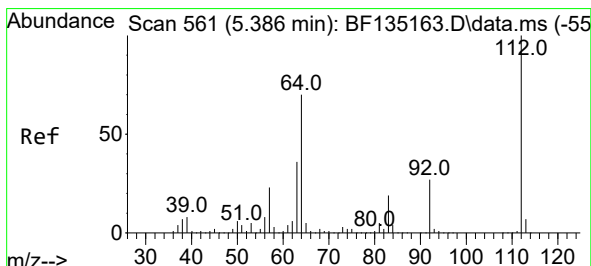
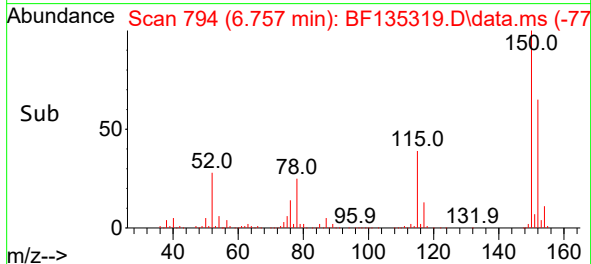
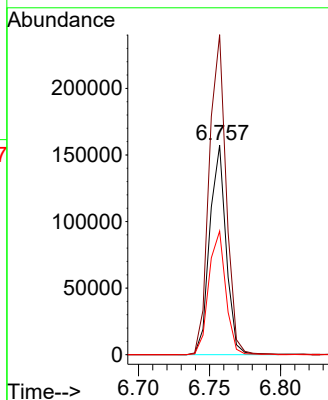
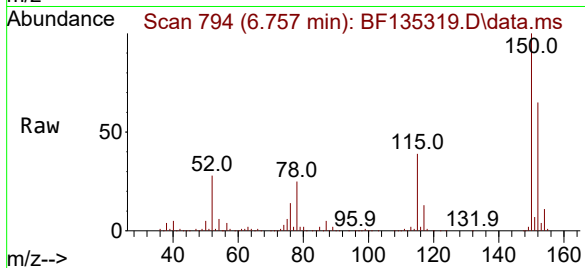




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.757 min Scan# 795
 Delta R.T. -0.006 min
 Lab File: BF135319.D
 Acq: 18 Sep 2023 21:51

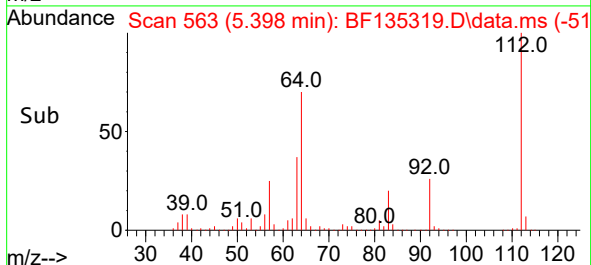
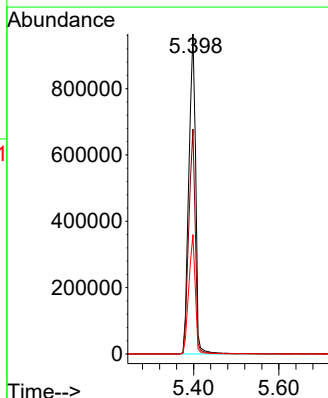
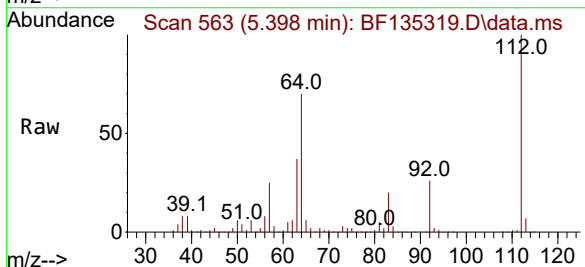
Instrument :
 BNA_F
 ClientSampleId :
 72-11976

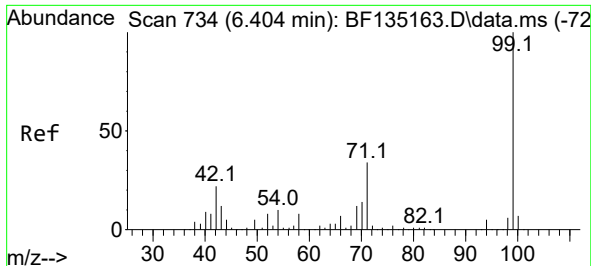
Tgt Ion:152 Resp: 126119
 Ion Ratio Lower Upper
 152 100
 150 152.8 127.8 191.6
 115 59.0 49.8 74.8



#5
 2-Fluorophenol
 Concen: 137.760 ng
 RT: 5.398 min Scan# 563
 Delta R.T. 0.012 min
 Lab File: BF135319.D
 Acq: 18 Sep 2023 21:51

Tgt Ion:112 Resp: 1068231
 Ion Ratio Lower Upper
 112 100
 64 70.3 55.9 83.9
 63 37.3 29.0 43.6

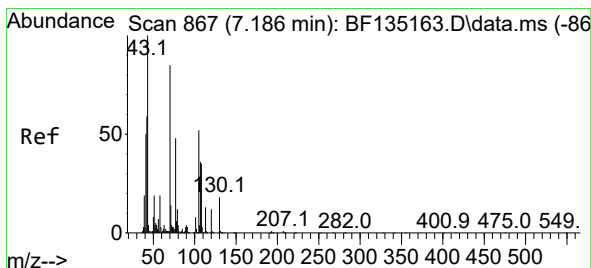
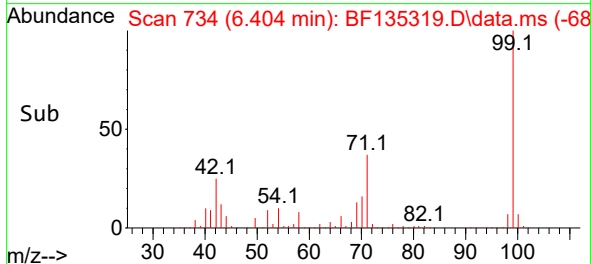
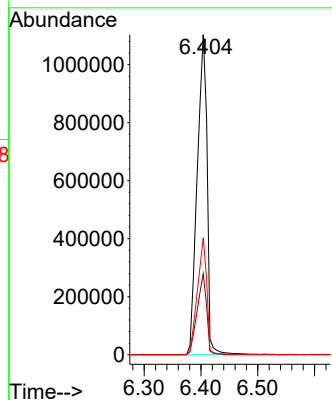
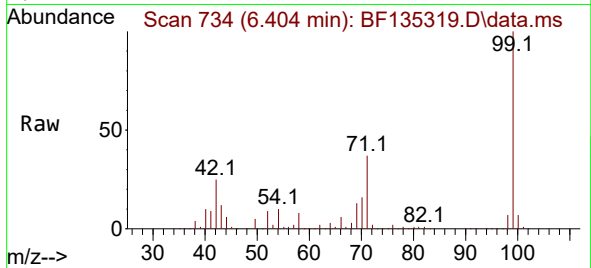




#7
Phenol-d6
Concen: 136.428 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135319.D
Acq: 18 Sep 2023 21:51

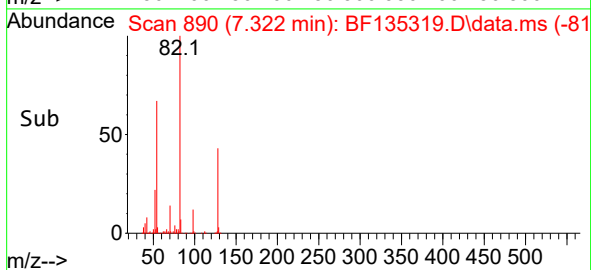
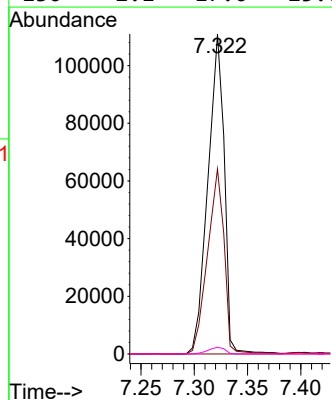
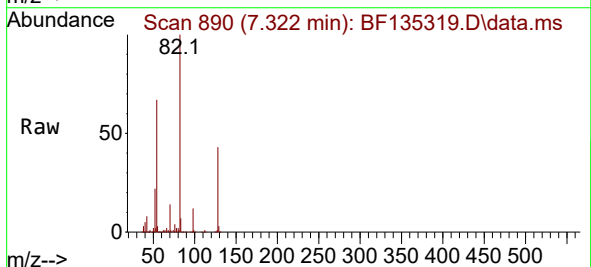
Instrument :
BNA_F
ClientSampleId :
72-11976

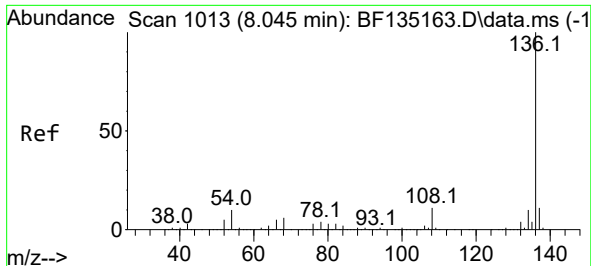
Tgt Ion: 99 Resp: 1345182
Ion Ratio Lower Upper
99 100
42 25.3 17.9 26.9
71 36.6 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 19.463 ng
RT: 7.322 min Scan# 890
Delta R.T. 0.135 min
Lab File: BF135319.D
Acq: 18 Sep 2023 21:51

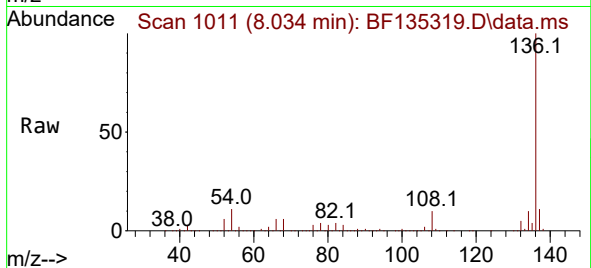
Tgt Ion: 70 Resp: 118868
Ion Ratio Lower Upper
70 100
42 57.8 55.4 83.0
101 0.0 7.7 11.5#
130 2.1 17.0 25.6#



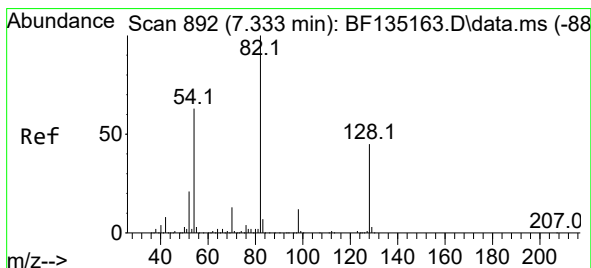
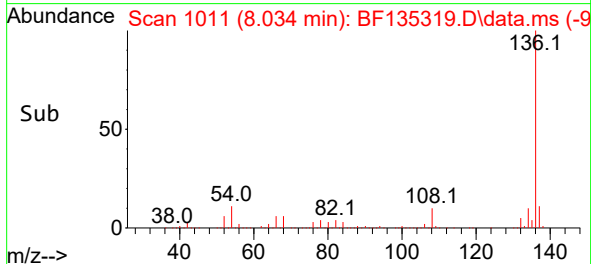
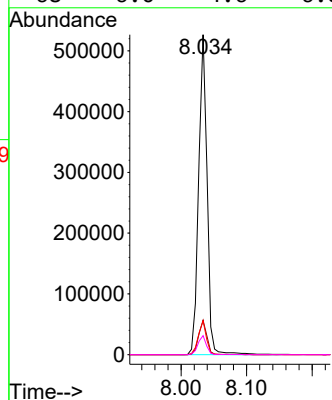


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1013
Delta R.T. -0.012 min
Lab File: BF135319.D
Acq: 18 Sep 2023 21:51

Instrument :
BNA_F
ClientSampleId :
72-11976

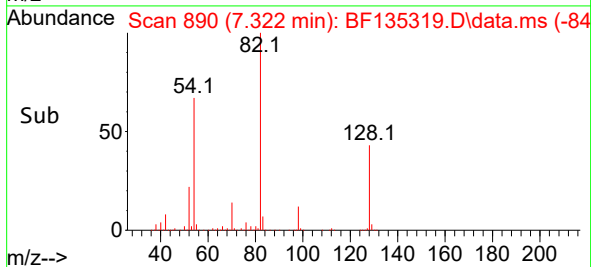
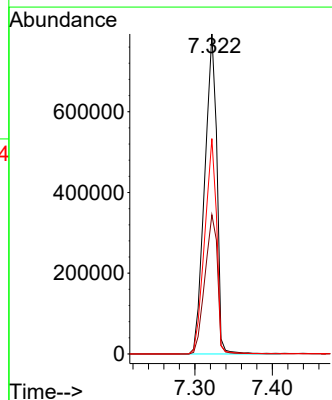
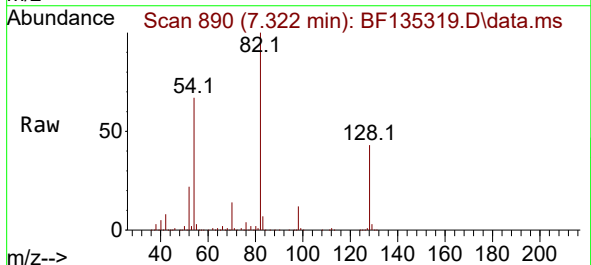


Tgt Ion:136 Resp: 474702
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 10.6 7.7 11.5
68 6.0 4.6 6.8



#23
Nitrobenzene-d5
Concen: 99.036 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF135319.D
Acq: 18 Sep 2023 21:51

Tgt Ion: 82 Resp: 865324
Ion Ratio Lower Upper
82 100
128 43.5 35.8 53.6
54 67.3 50.6 76.0

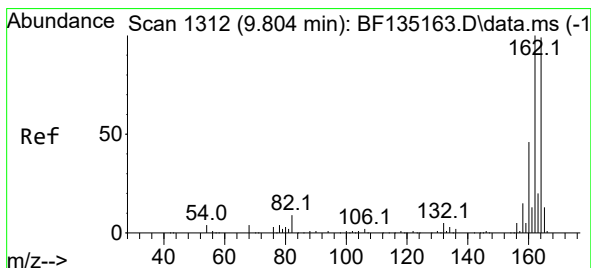
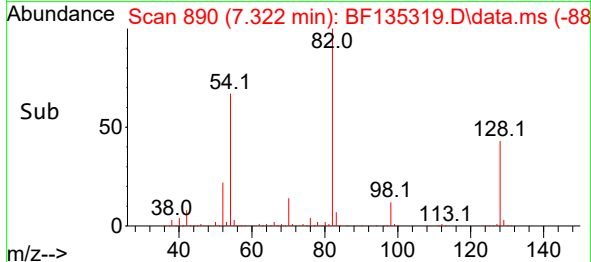
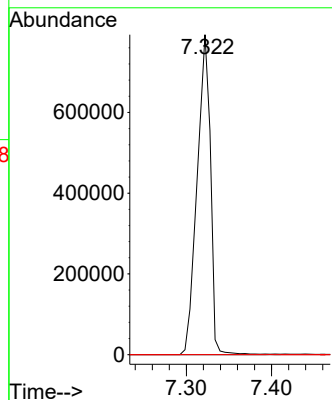
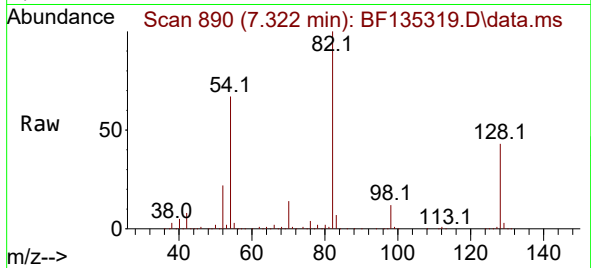




#25
Isophorone
Concen: 53.862 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF135319.D
Acq: 18 Sep 2023 21:51

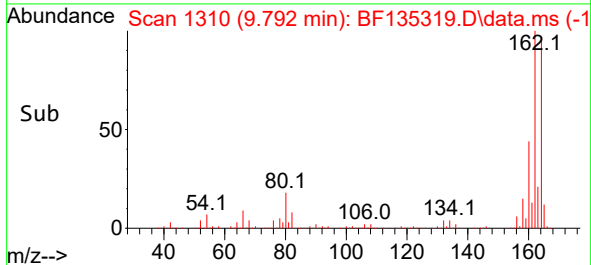
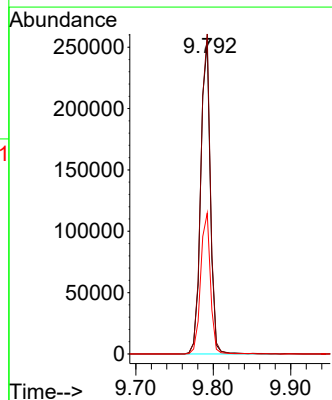
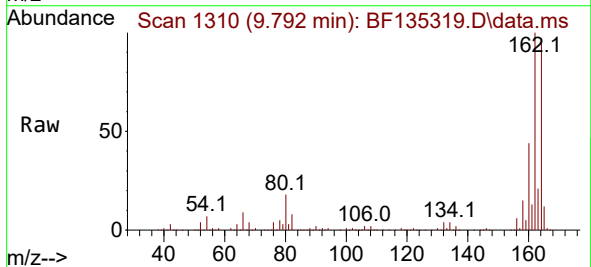
Instrument :
BNA_F
ClientSampleId :
72-11976

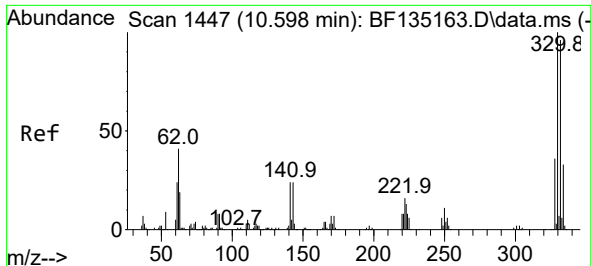
Tgt Ion: 82 Resp: 864183
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF135319.D
Acq: 18 Sep 2023 21:51

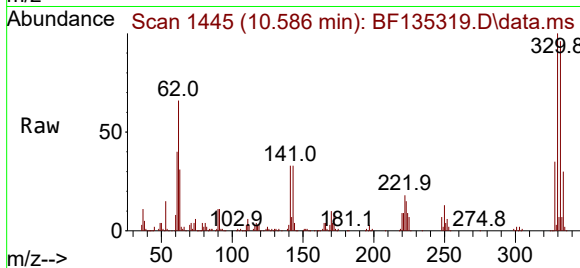
Tgt Ion: 164 Resp: 219438
Ion Ratio Lower Upper
164 100
162 103.1 81.0 121.4
160 45.4 37.0 55.4



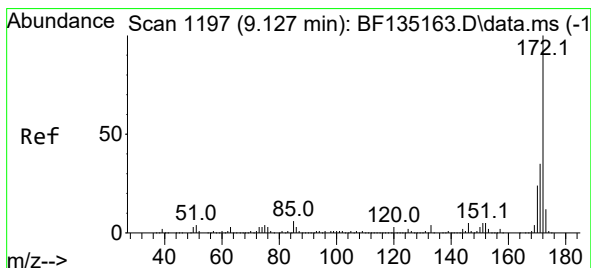
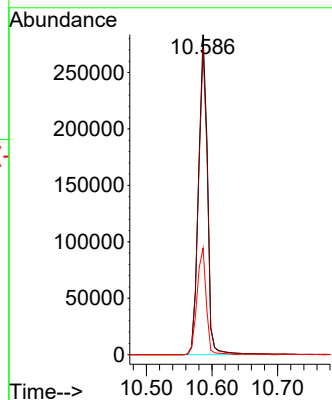
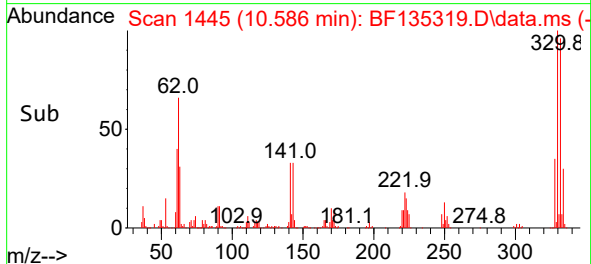


#42
 2,4,6-Tribromophenol
 Concen: 124.255 ng
 RT: 10.586 min Scan# 1445
 Delta R.T. -0.012 min
 Lab File: BF135319.D
 Acq: 18 Sep 2023 21:51

Instrument :
 BNA_F
 ClientSampleId :
 72-11976

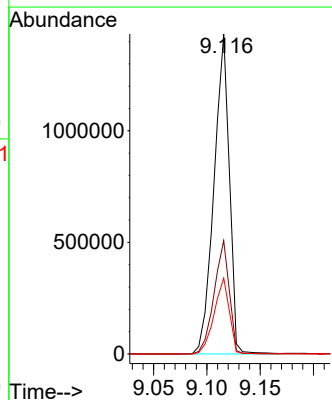
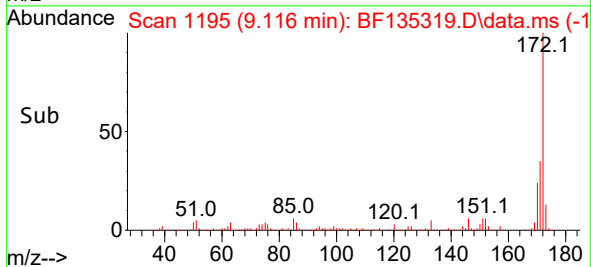
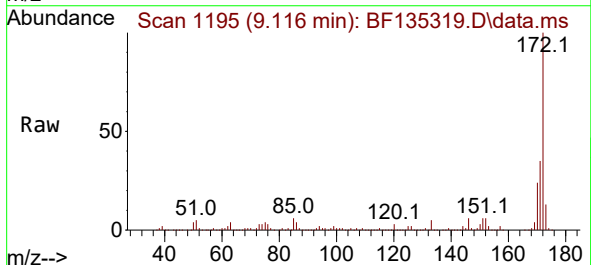


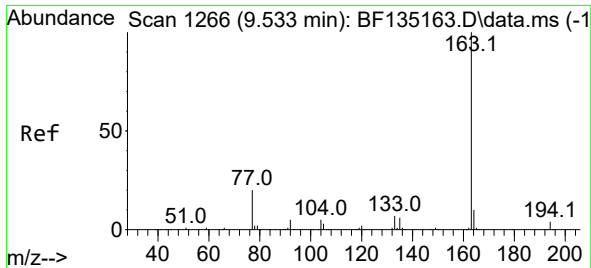
Tgt Ion:330 Resp: 270960
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.3 115.9
 141 34.1 25.8 38.8



#45
 2-Fluorobiphenyl
 Concen: 98.644 ng
 RT: 9.116 min Scan# 1195
 Delta R.T. -0.012 min
 Lab File: BF135319.D
 Acq: 18 Sep 2023 21:51

Tgt Ion:172 Resp: 1434735
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.4 42.6
 170 23.7 19.0 28.4

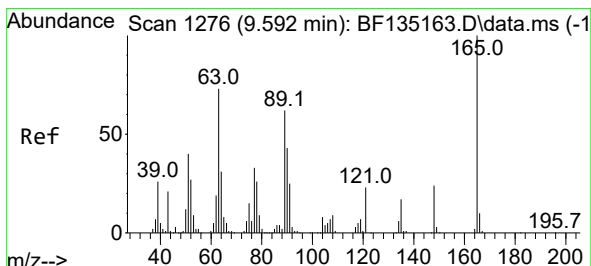
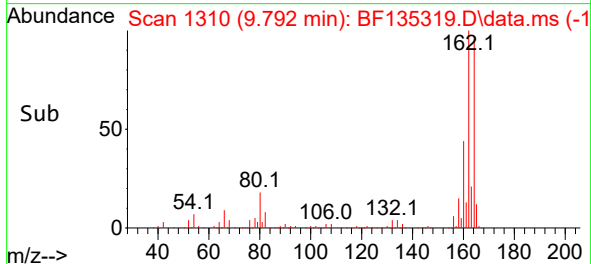
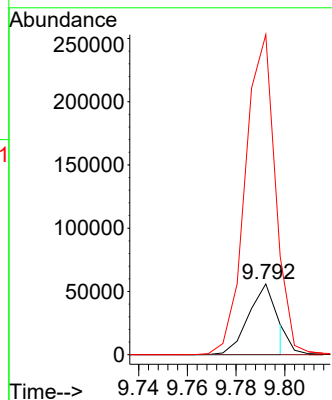
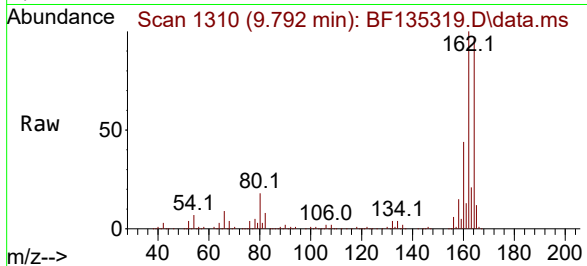




#50
Dimethylphthalate
Concen: 3.060 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.259 min
Lab File: BF135319.D
Acq: 18 Sep 2023 21:51

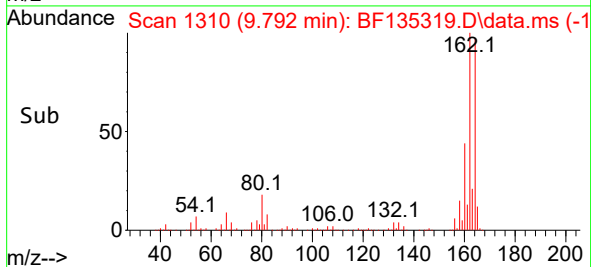
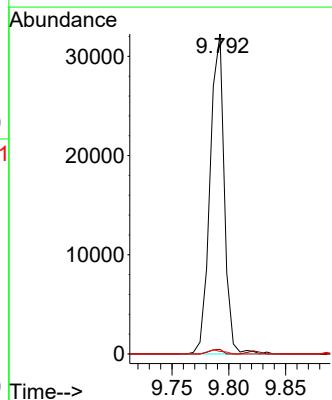
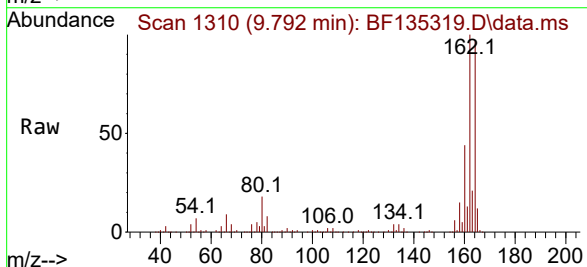
Instrument :
BNA_F
ClientSampleId :
72-11976

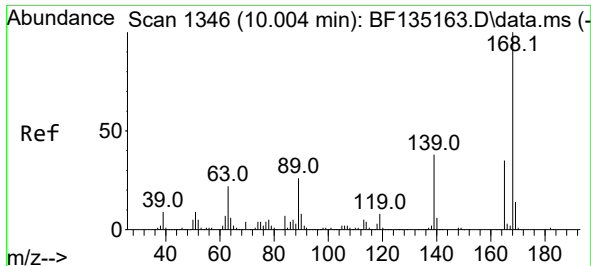
Tgt Ion:163 Resp: 45405
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 452.7 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.625 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.200 min
Lab File: BF135319.D
Acq: 18 Sep 2023 21:51

Tgt Ion:165 Resp: 28034
Ion Ratio Lower Upper
165 100
63 1.5 59.4 89.2#
89 0.8 49.8 74.8#

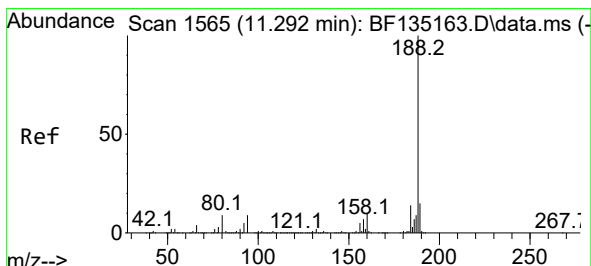
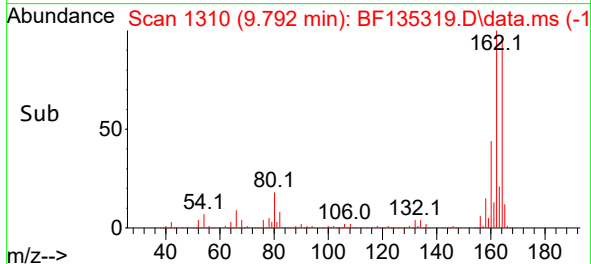
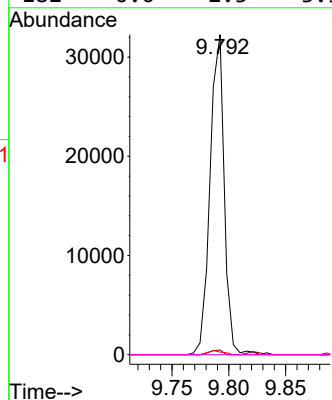
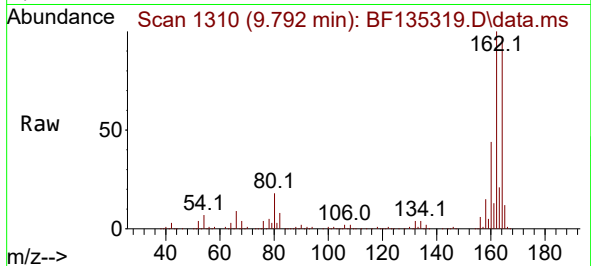




#57
2,4-Dinitrotoluene
Concen: 6.890 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF135319.D
Acq: 18 Sep 2023 21:51

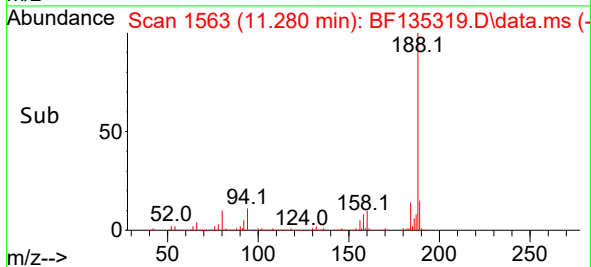
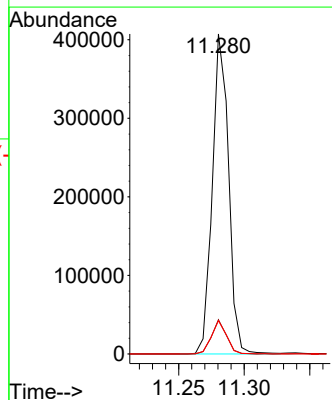
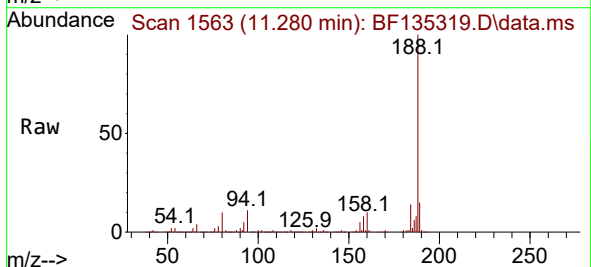
Instrument :
BNA_F
ClientSampleId :
72-11976

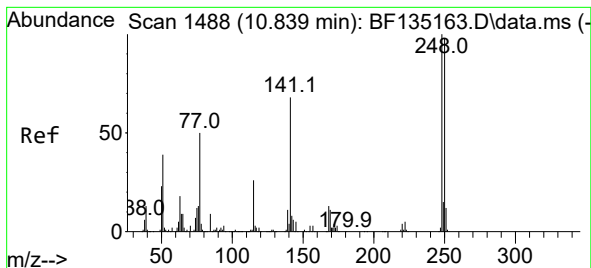
Tgt Ion:165 Resp: 28034
Ion Ratio Lower Upper
165 100
63 1.5 50.1 75.1#
89 0.8 59.3 88.9#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.280 min Scan# 1563
Delta R.T. -0.012 min
Lab File: BF135319.D
Acq: 18 Sep 2023 21:51

Tgt Ion:188 Resp: 351223
Ion Ratio Lower Upper
188 100
94 10.7 7.0 10.6#
80 10.4 7.5 11.3

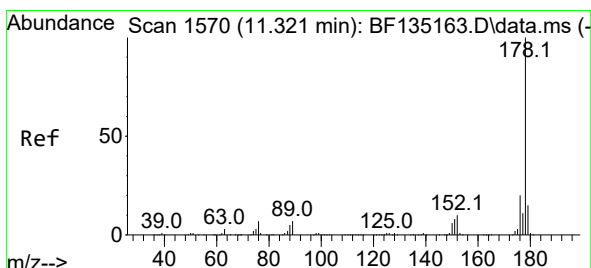
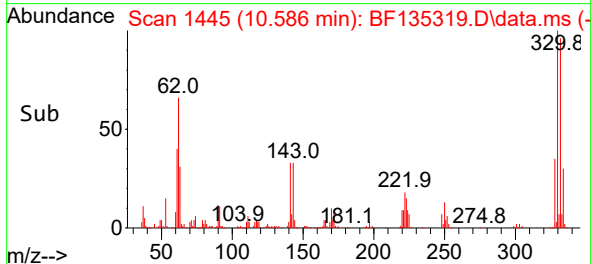
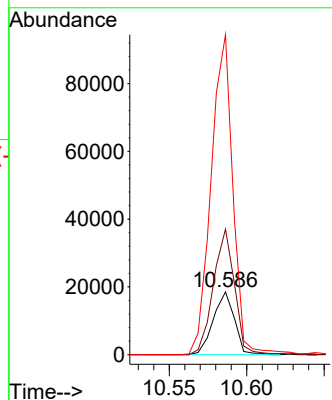
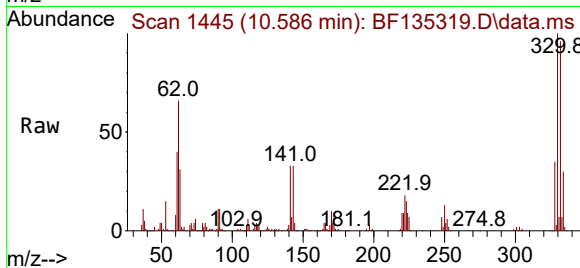




#67
4-Bromophenyl-phenylether
Concen: 5.035 ng
RT: 10.586 min Scan# 1488
Delta R.T. -0.253 min
Lab File: BF135319.D
Acq: 18 Sep 2023 21:51

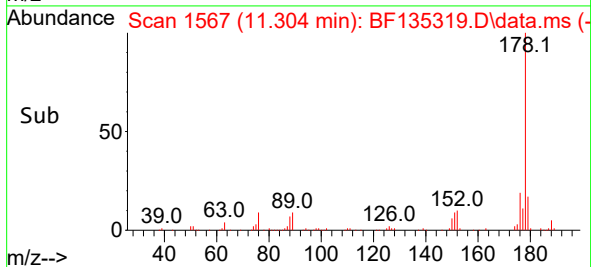
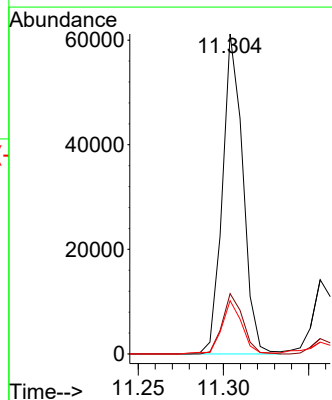
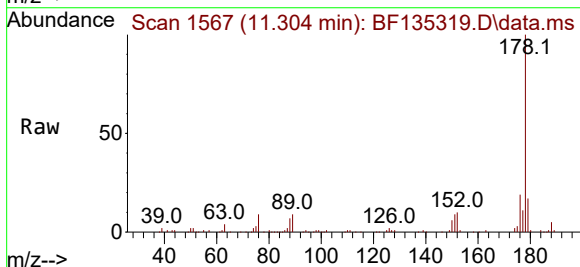
Instrument :
BNA_F
ClientSampleId :
72-11976

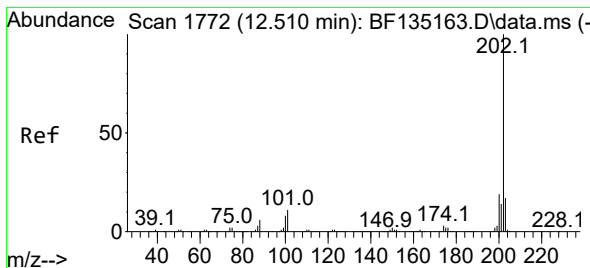
Tgt Ion:248 Resp: 17589
Ion Ratio Lower Upper
248 100
250 200.3 78.6 117.8#
141 510.1 54.2 81.2#



#71
Phenanthrene
Concen: 3.072 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.018 min
Lab File: BF135319.D
Acq: 18 Sep 2023 21:51

Tgt Ion:178 Resp: 51035
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 16.6 12.0 18.0





#75

Fluoranthene

Concen: 4.153 ng

RT: 12.504 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135319.D

Acq: 18 Sep 2023 21:51

Instrument :

BNA_F

ClientSampleId :

72-11976

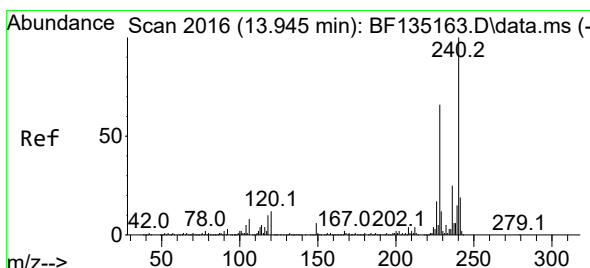
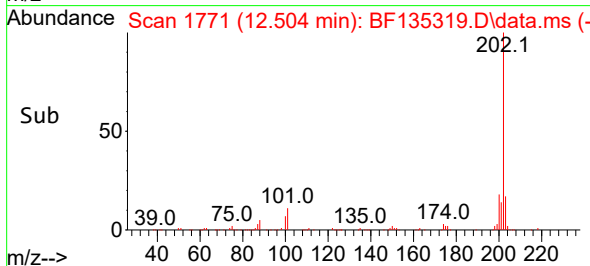
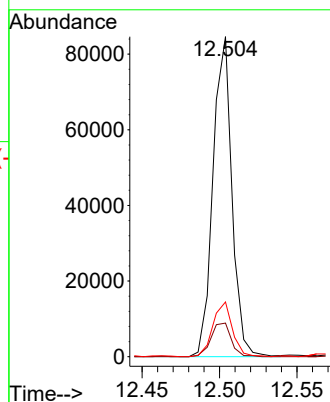
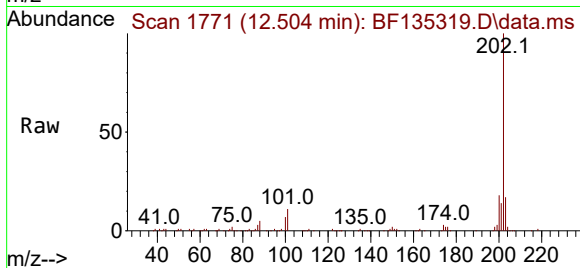
Tgt Ion:202 Resp: 71881

Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.3

203 17.1 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF135319.D

Acq: 18 Sep 2023 21:51

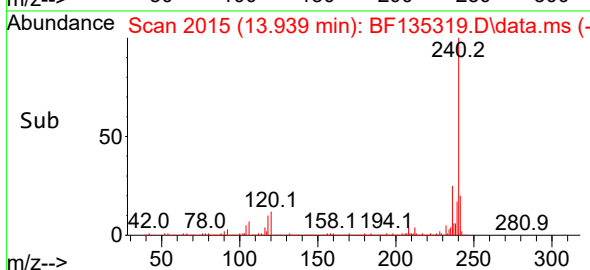
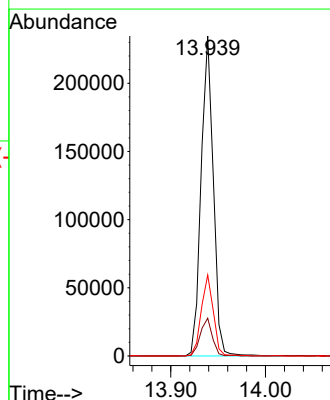
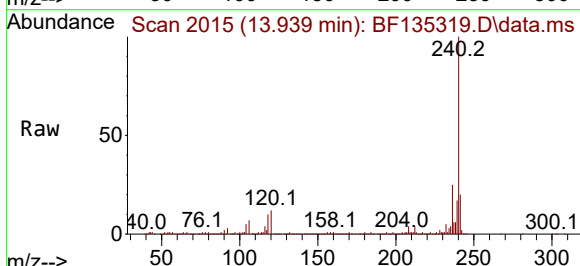
Tgt Ion:240 Resp: 210044

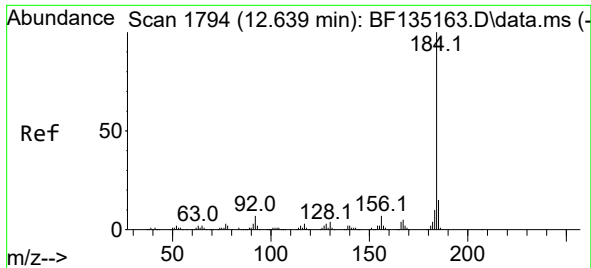
Ion Ratio Lower Upper

240 100

120 11.8 9.4 14.2

236 25.3 19.8 29.8

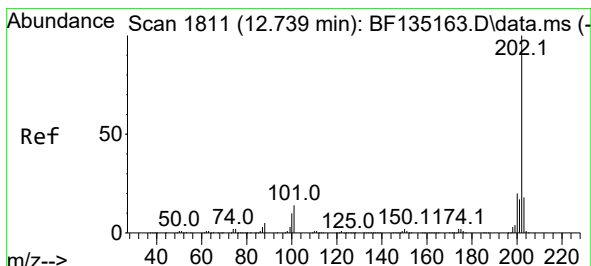
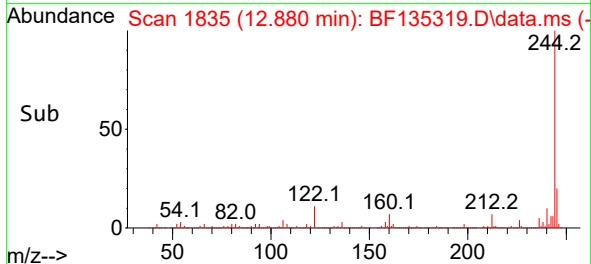
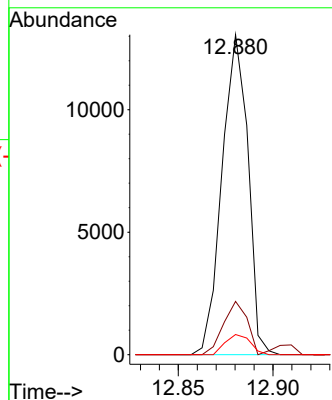
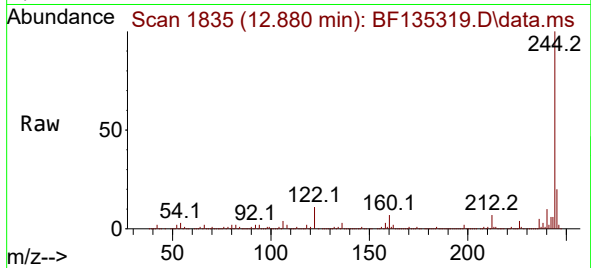




#77
Benzidine
Concen: 2.893 ng
RT: 12.880 min Scan# 1810
Delta R.T. 0.241 min
Lab File: BF135319.D
Acq: 18 Sep 2023 21:51

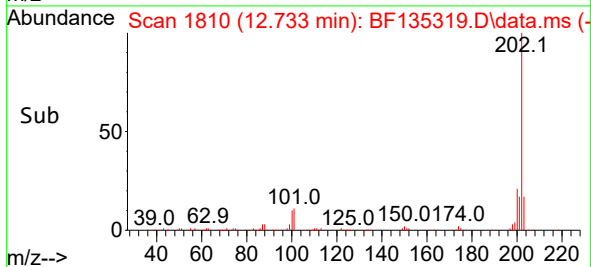
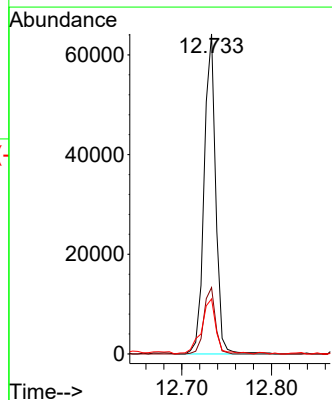
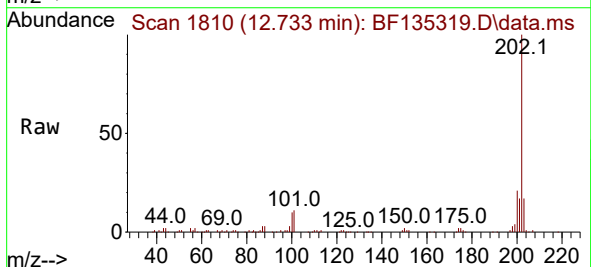
Instrument :
BNA_F
ClientSampleId :
72-11976

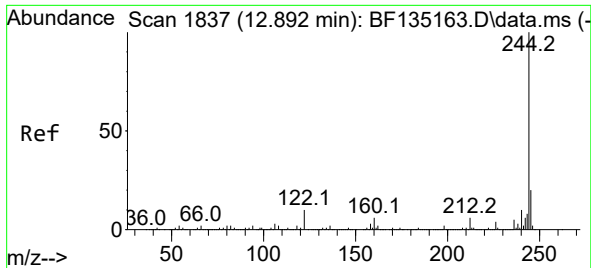
Tgt Ion:184 Resp: 12450
Ion Ratio Lower Upper
184 100
185 16.6 11.7 17.5
183 6.3 8.2 12.4#



#78
Pyrene
Concen: 2.867 ng
RT: 12.733 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF135319.D
Acq: 18 Sep 2023 21:51

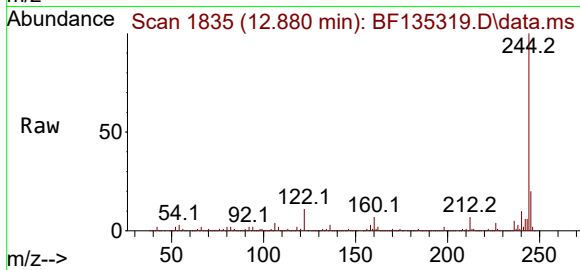
Tgt Ion:202 Resp: 57343
Ion Ratio Lower Upper
202 100
200 20.7 16.2 24.2
203 17.2 14.2 21.4



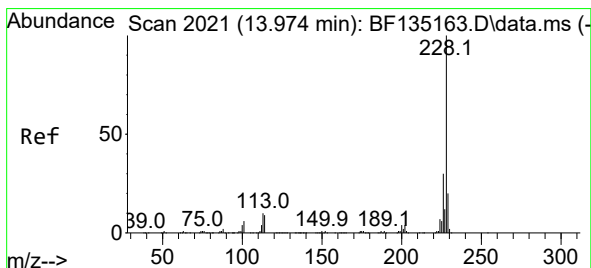
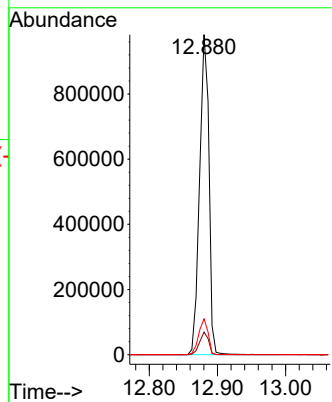
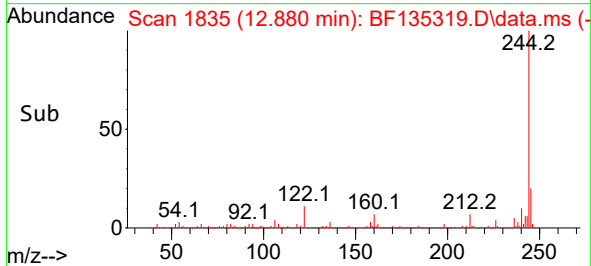


#79
 Terphenyl-d14
 Concen: 69.195 ng
 RT: 12.880 min Scan# 1835
 Delta R.T. -0.012 min
 Lab File: BF135319.D
 Acq: 18 Sep 2023 21:51

Instrument :
 BNA_F
 ClientSampleId :
 72-11976

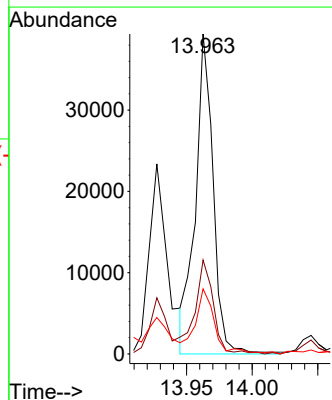
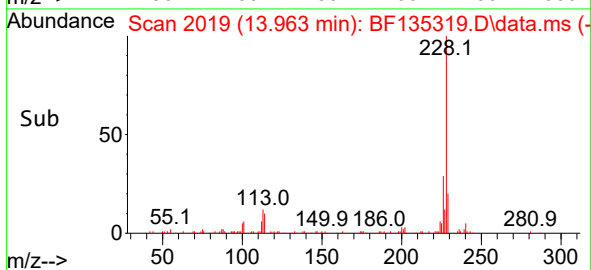
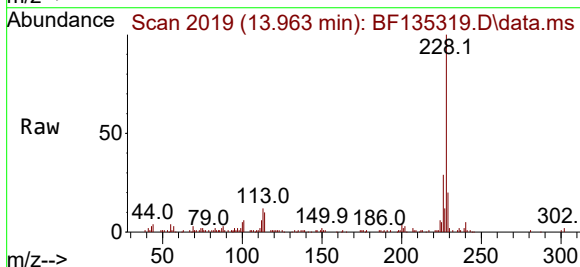


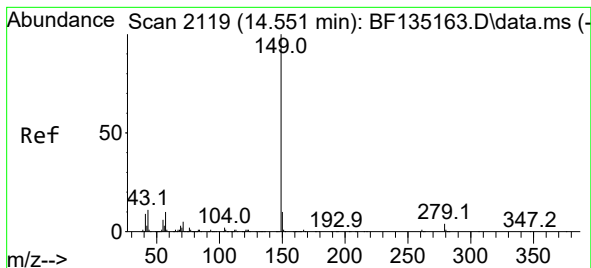
Tgt Ion:244 Resp: 937555
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.1 7.7
 122 11.2 7.9 11.9



#83
 Chrysene
 Concen: 2.742 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. -0.012 min
 Lab File: BF135319.D
 Acq: 18 Sep 2023 21:51

Tgt Ion:228 Resp: 36970
 Ion Ratio Lower Upper
 228 100
 226 29.3 24.3 36.5
 229 20.4 16.0 24.0





#85

Di-n-octyl phthalate

Concen: 2.370 ng

RT: 14.533 min Scan# 2116

Delta R.T. -0.018 min

Lab File: BF135319.D

Acq: 18 Sep 2023 21:51

Instrument :

BNA_F

ClientSampleId :

72-11976

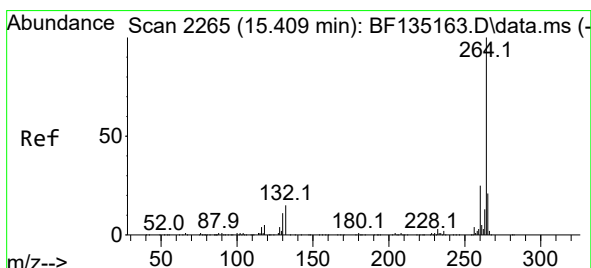
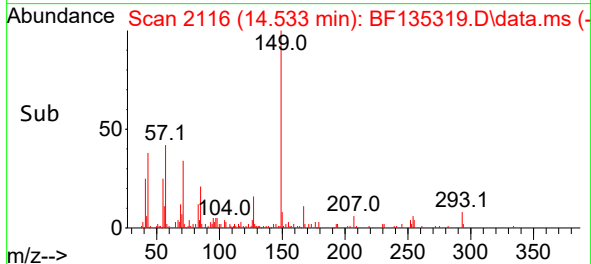
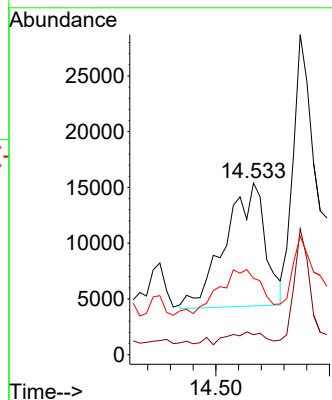
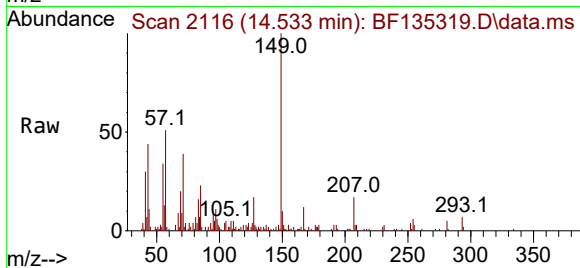
Tgt Ion:149 Resp: 27208

Ion Ratio Lower Upper

149 100

167 9.2 1.1 1.7#

43 41.8 9.8 14.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 2264

Delta R.T. -0.006 min

Lab File: BF135319.D

Acq: 18 Sep 2023 21:51

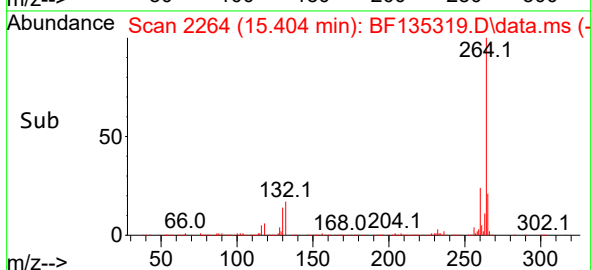
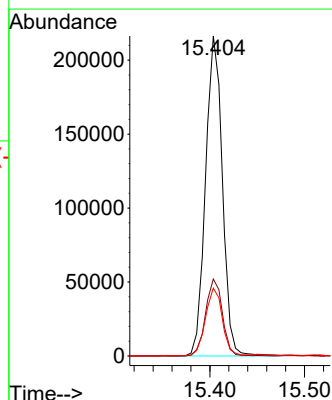
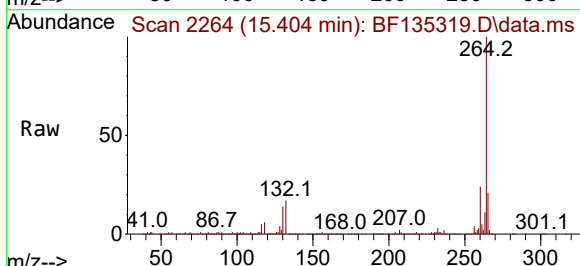
Tgt Ion:264 Resp: 267271

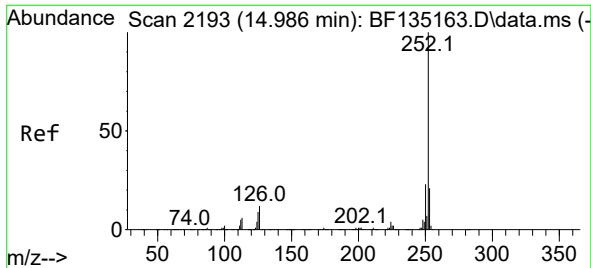
Ion Ratio Lower Upper

264 100

260 24.0 19.8 29.6

265 21.2 17.0 25.4

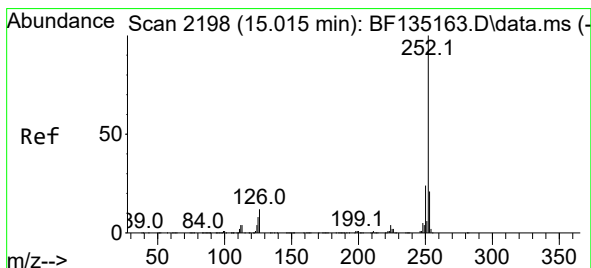
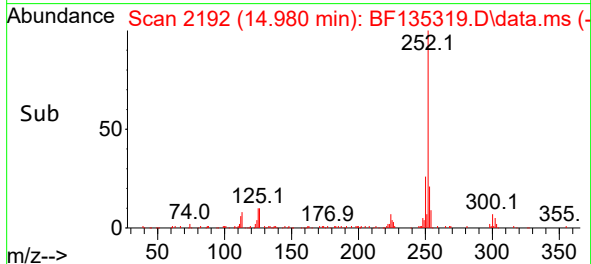
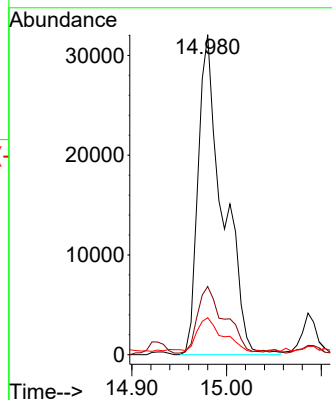
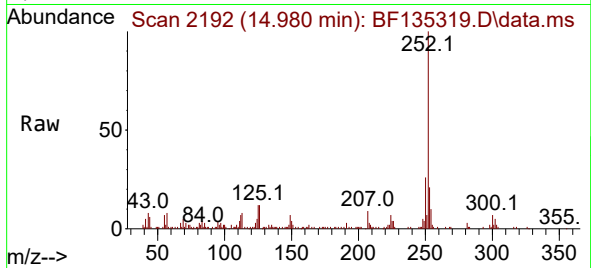




#88
Benzo(b)fluoranthene
Concen: 4.030 ng
RT: 14.980 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BF135319.D
Acq: 18 Sep 2023 21:51

Instrument :
BNA_F
ClientSampleId :
72-11976

Tgt Ion:252 Resp: 58312
Ion Ratio Lower Upper
252 100
253 21.3 17.2 25.8
125 11.6 7.1 10.7#



#89
Benzo(k)fluoranthene
Concen: 4.080 ng
RT: 14.980 min Scan# 2192
Delta R.T. -0.035 min
Lab File: BF135319.D
Acq: 18 Sep 2023 21:51

Tgt Ion:252 Resp: 58312
Ion Ratio Lower Upper
252 100
253 21.3 17.4 26.0
125 11.6 7.2 10.8#

