

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092523\
 Data File : BF135440.D
 Acq On : 25 Sep 2023 21:56
 Operator : CG\JU
 Sample : 04569-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 01:45:33 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 26 01:36:36 2023
 Response via : Initial Calibration

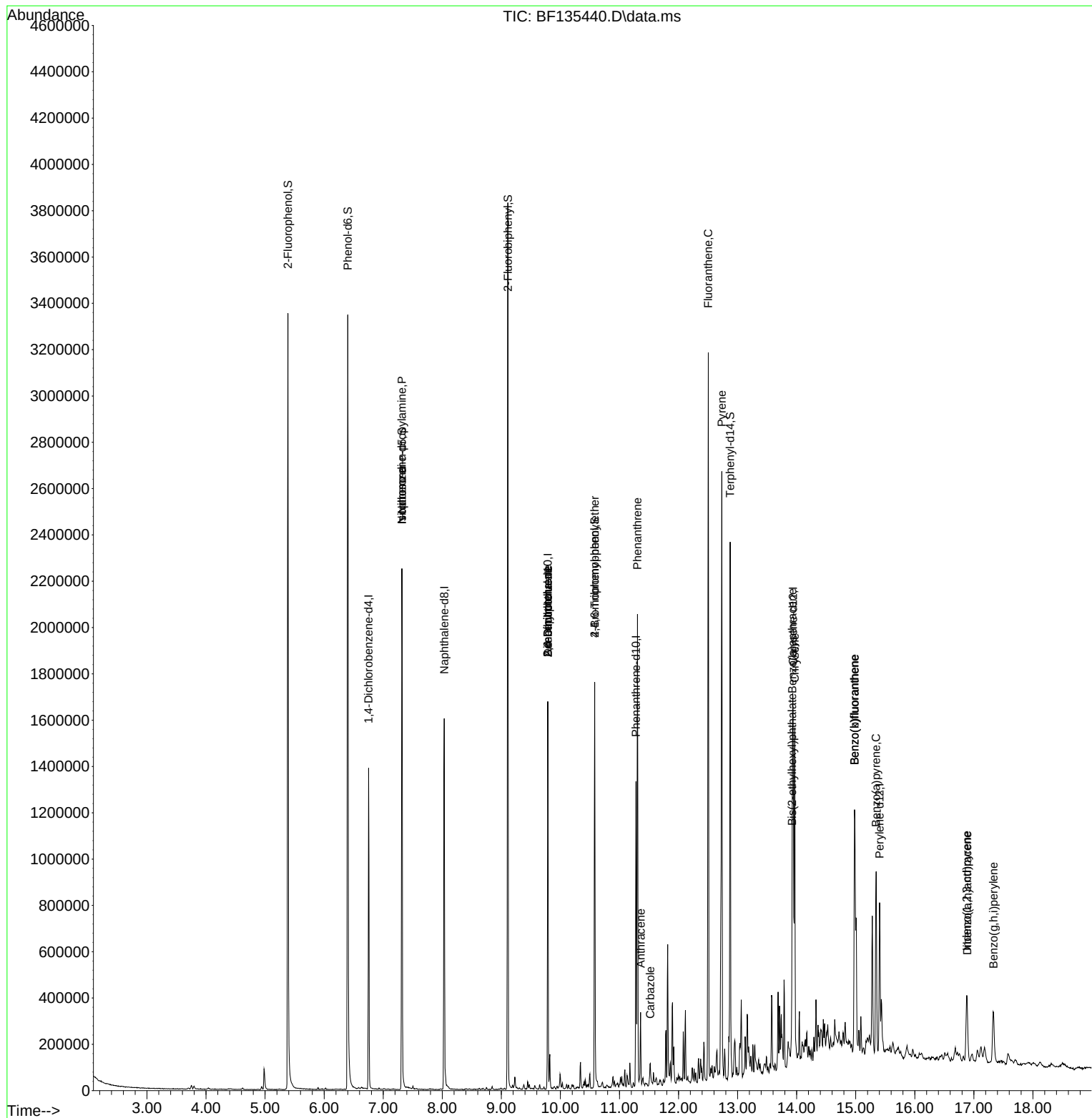
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.751	152	193261	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	714801	20.000	ng	0.00
39) Acenaphthene-d10	9.786	164	310816	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	455266	20.000	ng	0.00
76) Chrysene-d12	13.939	240	327884	20.000	ng	0.00
86) Perylene-d12	15.404	264	307004	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	932659	78.491	ng	0.00
7) Phenol-d6	6.398	99	1203157	79.631	ng	0.00
23) Nitrobenzene-d5	7.316	82	731087	55.567	ng	0.00
42) 2,4,6-Tribromophenol	10.581	330	183276	59.336	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	1136510	55.167	ng	0.00
79) Terphenyl-d14	12.874	244	767600	36.291	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.316	70	95984	10.256	ng	# 82
25) Isophorone	7.316	82	731078	30.261	ng	# 65
50) Dimethylphthalate	9.786	163	59831	2.847	ng	# 1
51) 2,6-Dinitrotoluene	9.786	165	40666	8.834	ng	# 17
57) 2,4-Dinitrotoluene	9.786	165	40666	7.056	ng	# 19
67) 4-Bromophenyl-phenylether	10.581	248	12019	2.654	ng	# 1
71) Phenanthrene	11.304	178	689728	32.033	ng	99
72) Anthracene	11.357	178	112665	5.090	ng	98
73) Carbazole	11.522	167	40875	2.029	ng	98
75) Fluoranthene	12.504	202	1239914	55.264	ng	98
78) Pyrene	12.733	202	1087910	34.850	ng	100
81) Benzo(a)anthracene	13.927	228	557435	26.328	ng	99
83) Chrysene	13.969	228	585412	27.810	ng	99
84) Bis(2-ethylhexyl)phtha...	13.921	149	38966	3.455	ng	98
87) Indeno(1,2,3-cd)pyrene	16.880	276	199231	9.898	ng	98
88) Benzo(b)fluoranthene	14.980	252	812777	48.906	ng	# 97
89) Benzo(k)fluoranthene	14.980	252	812777	49.509	ng	# 97
90) Benzo(a)pyrene	15.345	252	373325	23.556	ng	99
91) Dibenzo(a,h)anthracene	16.886	278	50751	3.081	ng	# 83
92) Benzo(g,h,i)perylene	17.333	276	189808	11.035	ng	96

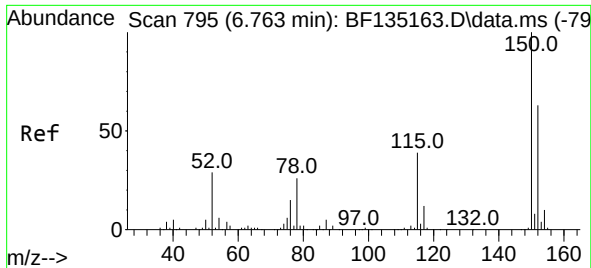
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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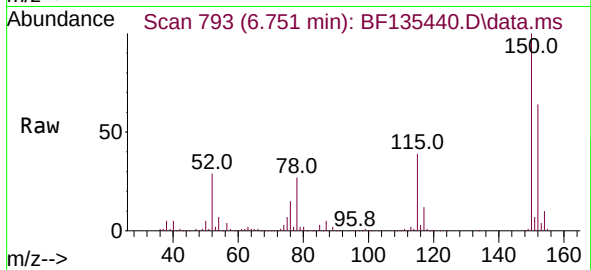
Quant Time: Sep 26 01:45:33 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 26 01:36:36 2023
Response via : Initial Calibration



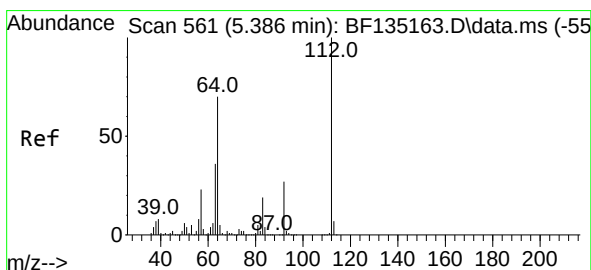
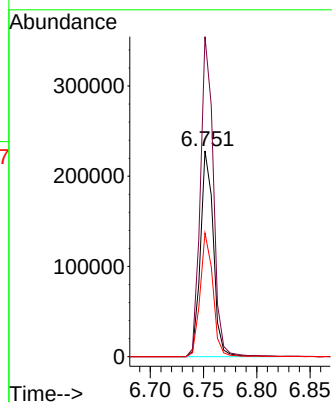
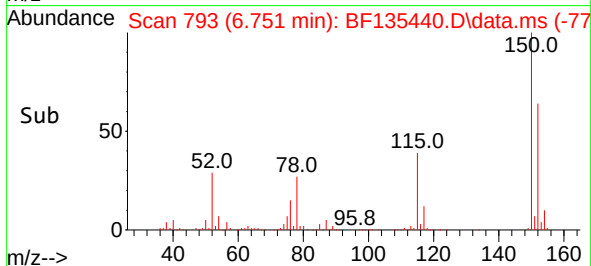


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.751 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135440.D
Acq: 25 Sep 2023 21:56

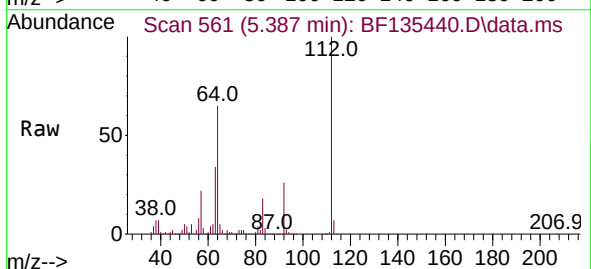
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BNA_F
ClientSampleId :



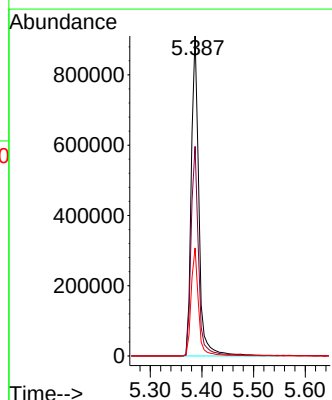
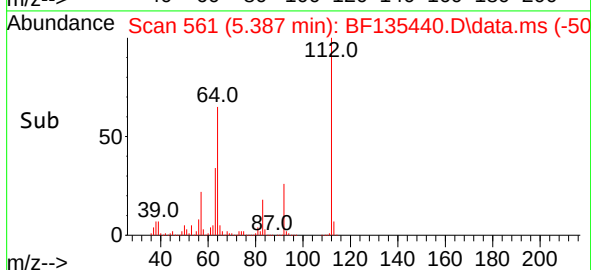
Tgt Ion:152 Resp: 193261
Ion Ratio Lower Upper
152 100
150 155.5 127.8 191.6
115 60.1 49.8 74.8

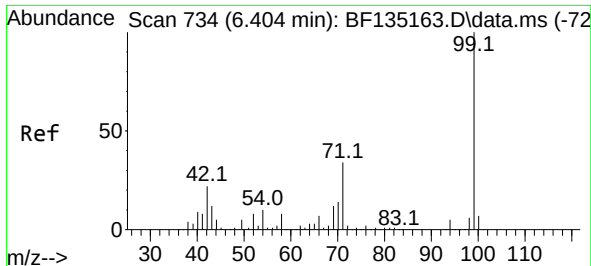


#5
2-Fluorophenol
Concen: 78.491 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.006 min
Lab File: BF135440.D
Acq: 25 Sep 2023 21:56



Tgt Ion:112 Resp: 932659
Ion Ratio Lower Upper
112 100
64 65.5 55.9 83.9
63 33.8 29.0 43.6





#7

Phenol-d6

Concen: 79.631 ng

RT: 6.398 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF135440.D

Acq: 25 Sep 2023 21:56

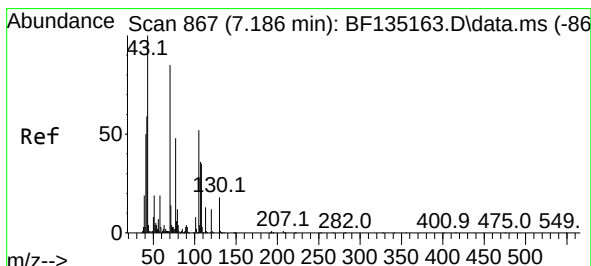
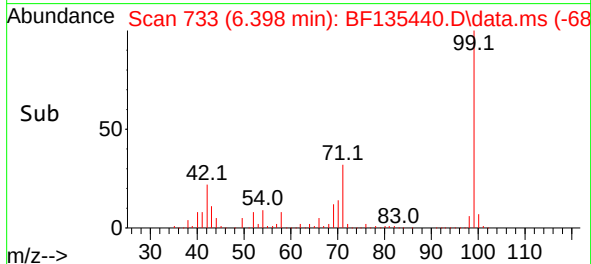
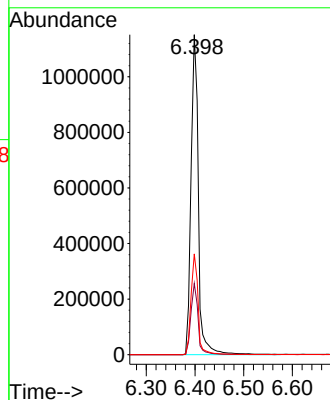
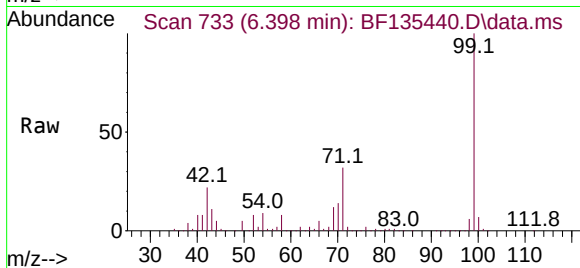
Instrument :

BNA_F

ClientSampleId :

Tgt Ion: 99 Resp: 1203157

Ion	Ratio	Lower	Upper
99	100		
42	22.3	17.9	26.9
71	31.5	27.0	40.6



#19

n-Nitroso-di-n-propylamine

Concen: 10.256 ng

RT: 7.316 min Scan# 889

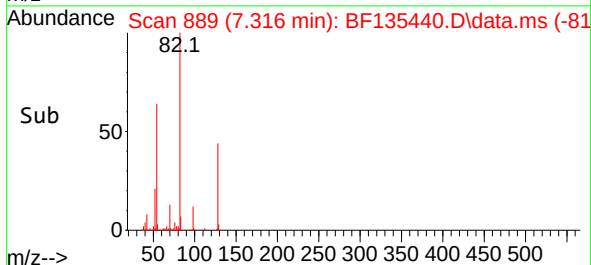
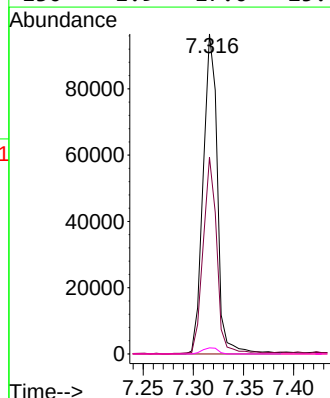
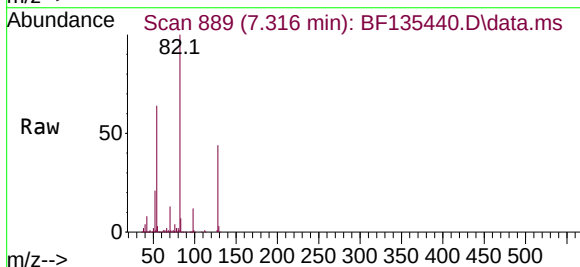
Delta R.T. 0.141 min

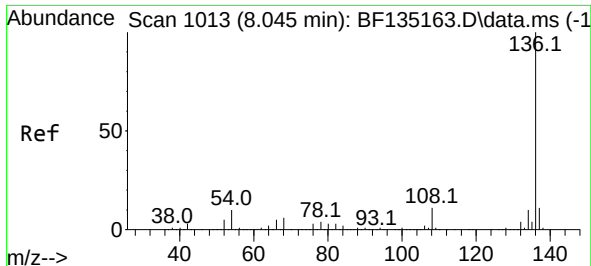
Lab File: BF135440.D

Acq: 25 Sep 2023 21:56

Tgt Ion: 70 Resp: 95984

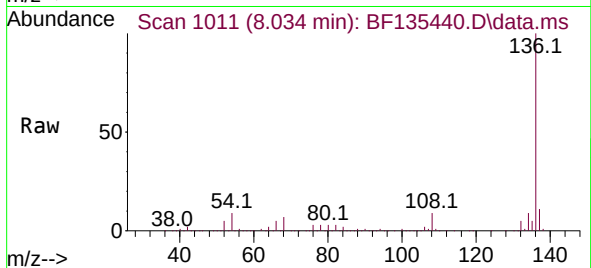
Ion	Ratio	Lower	Upper
70	100		
42	61.4	55.4	83.0
101	0.0	7.7	11.5#
130	1.9	17.0	25.6#



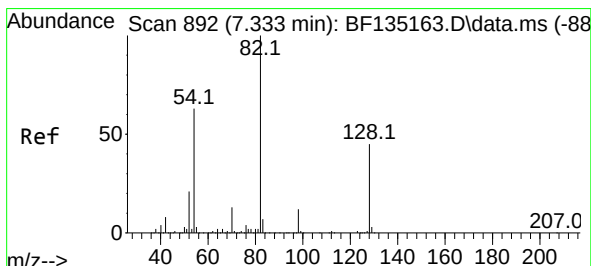
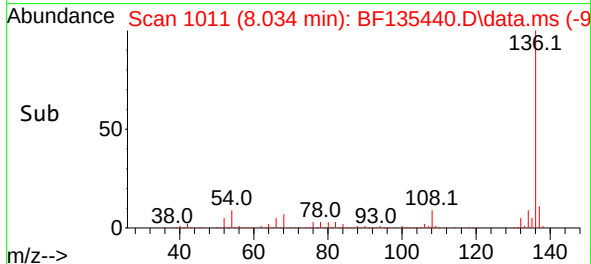
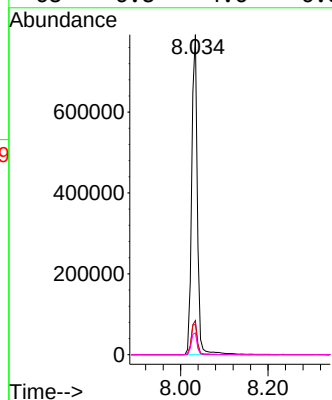


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF135440.D
Acq: 25 Sep 2023 21:56

Instrument :
BNA_F
ClientSampleId :

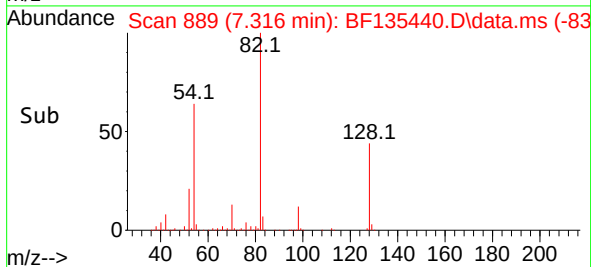
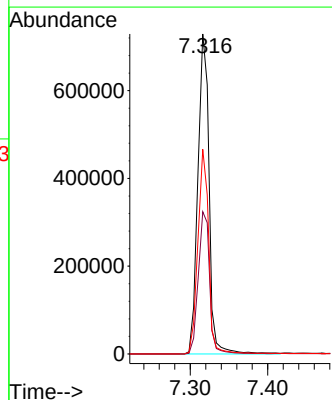
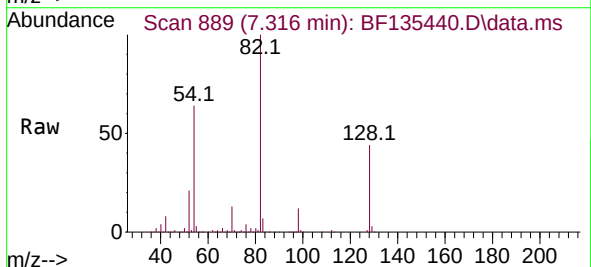


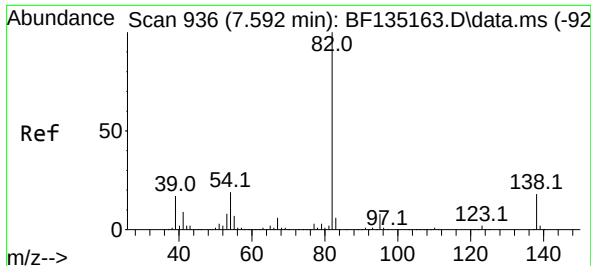
Tgt Ion:136 Resp: 714801
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 9.5 7.7 11.5
68 6.8 4.6 6.8



#23
Nitrobenzene-d5
Concen: 55.567 ng
RT: 7.316 min Scan# 889
Delta R.T. -0.006 min
Lab File: BF135440.D
Acq: 25 Sep 2023 21:56

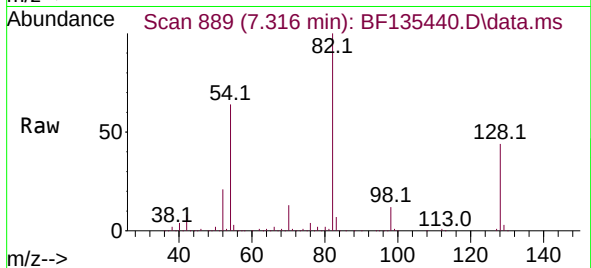
Tgt Ion: 82 Resp: 731087
Ion Ratio Lower Upper
82 100
128 44.4 35.8 53.6
54 64.0 50.6 76.0



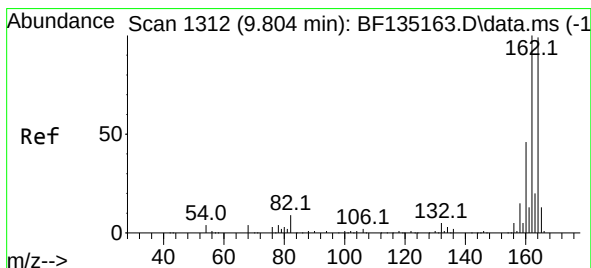
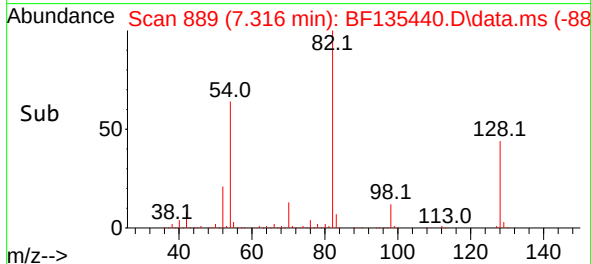
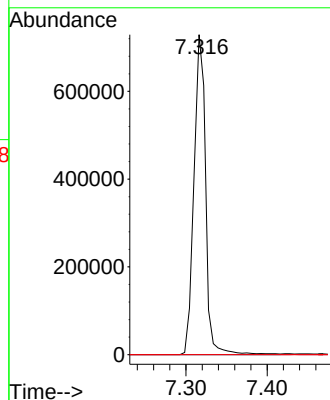


#25
Isophorone
Concen: 30.261 ng
RT: 7.316 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135440.D
Acq: 25 Sep 2023 21:56

Instrument :
BNA_F
ClientSampleId :

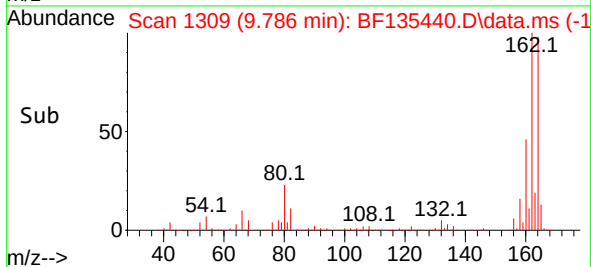
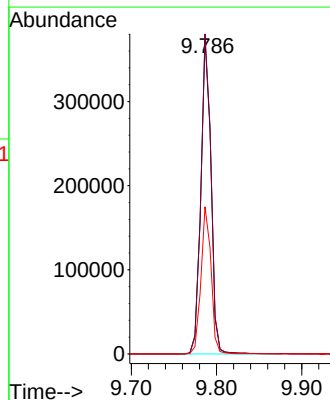
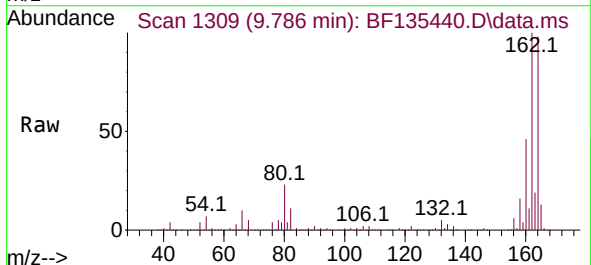


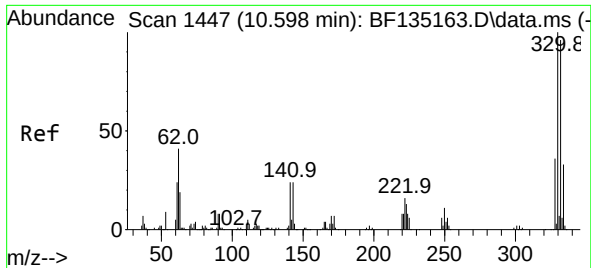
Tgt Ion: 82 Resp: 731078
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.786 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF135440.D
Acq: 25 Sep 2023 21:56

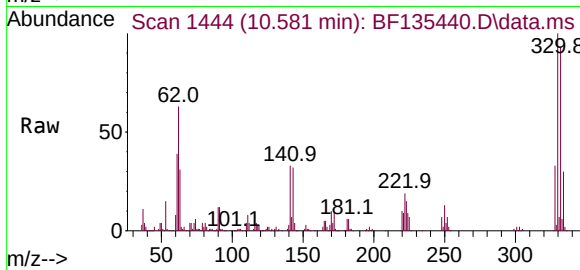
Tgt Ion: 164 Resp: 310816
Ion Ratio Lower Upper
164 100
162 101.6 81.0 121.4
160 46.7 37.0 55.4



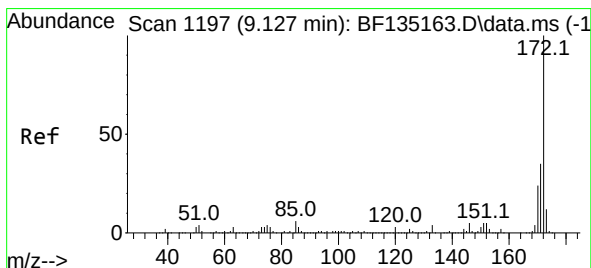
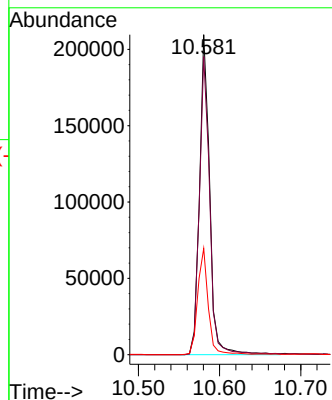
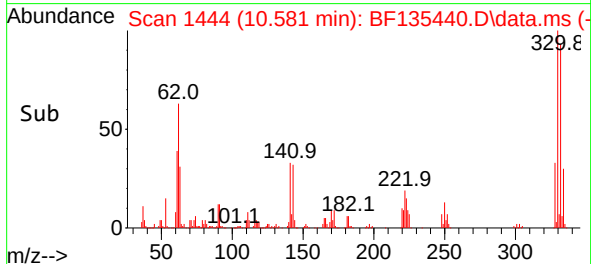


#42
2,4,6-Tribromophenol
Concen: 59.336 ng
RT: 10.581 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF135440.D
Acq: 25 Sep 2023 21:56

Instrument :
BNA_F
ClientSampleId :

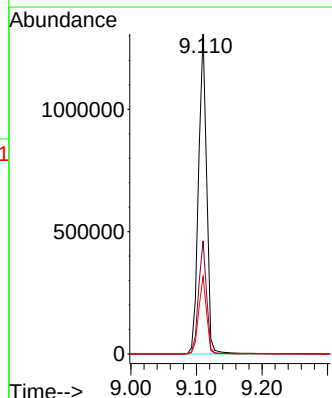
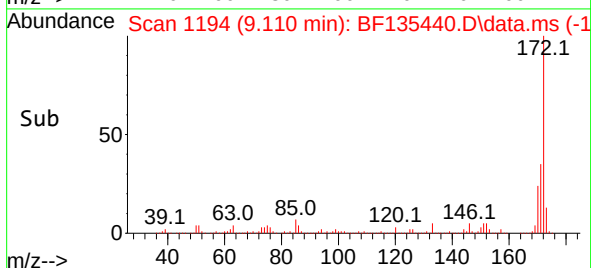
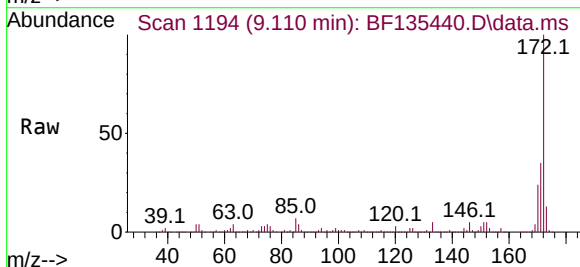


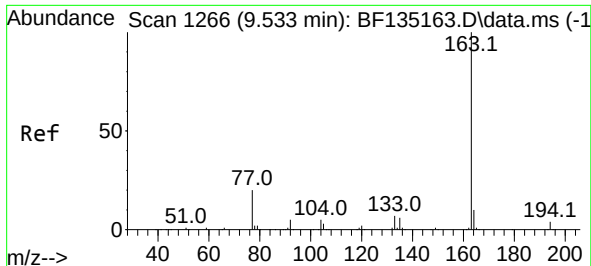
Tgt Ion:330 Resp: 183276
Ion Ratio Lower Upper
330 100
332 94.7 77.3 115.9
141 34.5 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 55.167 ng
RT: 9.110 min Scan# 1194
Delta R.T. -0.006 min
Lab File: BF135440.D
Acq: 25 Sep 2023 21:56

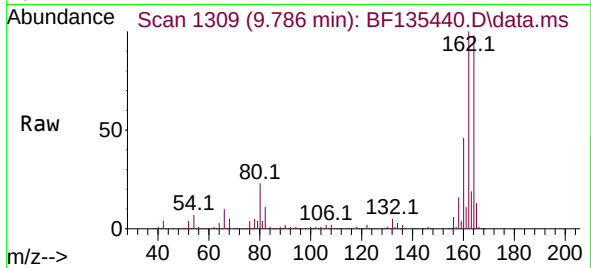
Tgt Ion:172 Resp: 1136510
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 24.2 19.0 28.4



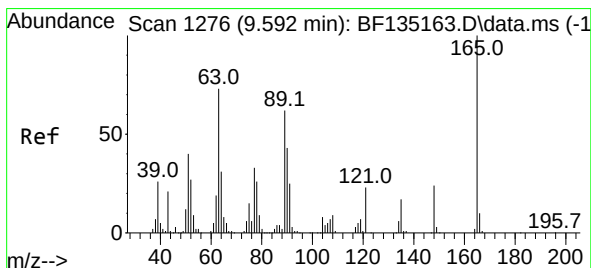
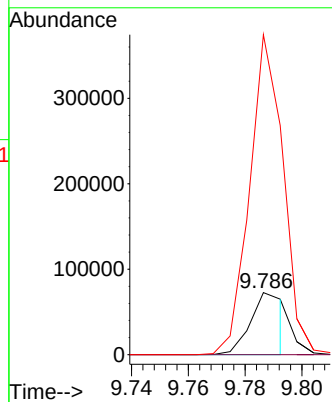
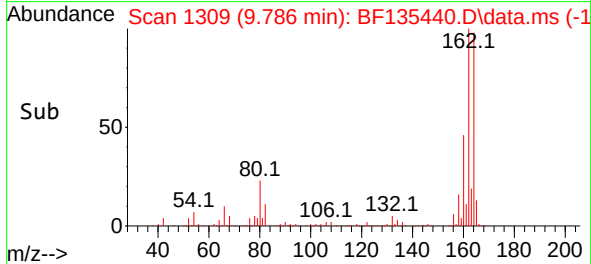


#50
Dimethylphthalate
Concen: 2.847 ng
RT: 9.786 min Scan# 1309
Delta R.T. 0.265 min
Lab File: BF135440.D
Acq: 25 Sep 2023 21:56

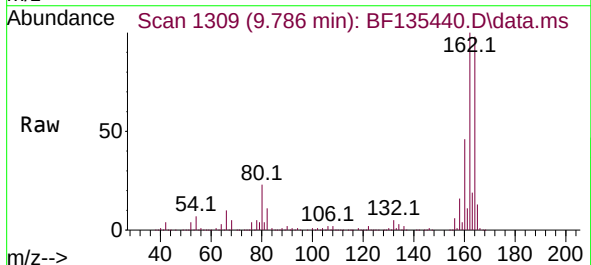
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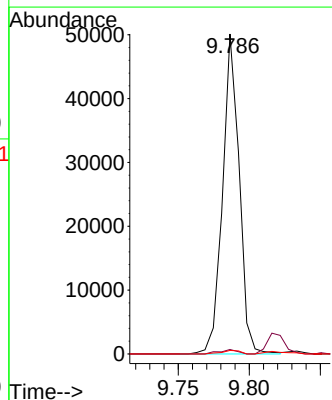
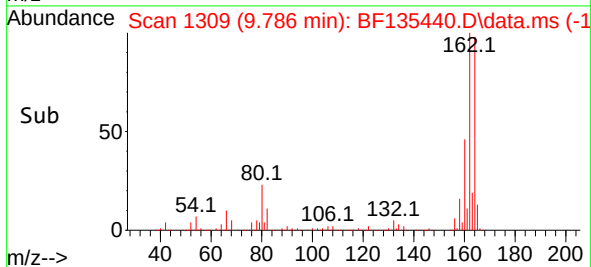
Tgt Ion:163 Resp: 59831
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 514.8 8.1 12.1#

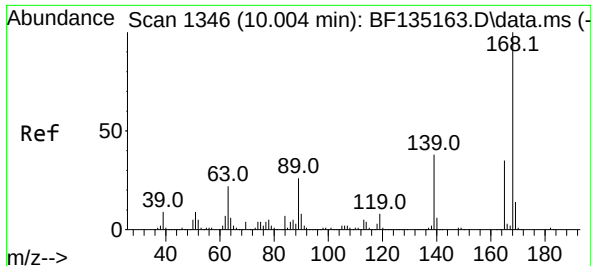


#51
2,6-Dinitrotoluene
Concen: 8.834 ng
RT: 9.786 min Scan# 1309
Delta R.T. 0.200 min
Lab File: BF135440.D
Acq: 25 Sep 2023 21:56



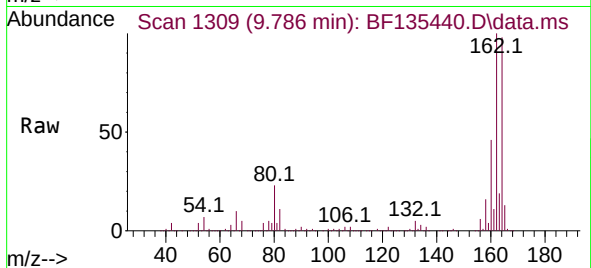
Tgt Ion:165 Resp: 40666
Ion Ratio Lower Upper
165 100
63 1.4 59.4 89.2#
89 1.1 49.8 74.8#



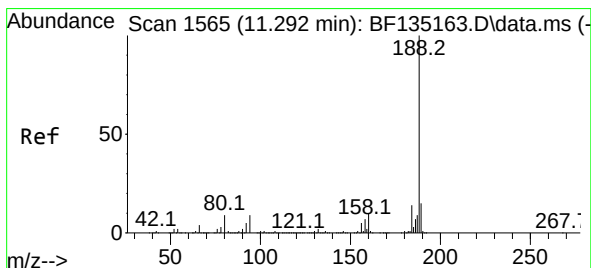
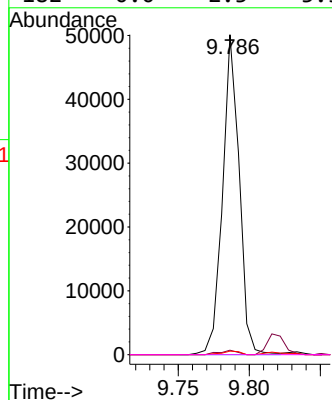
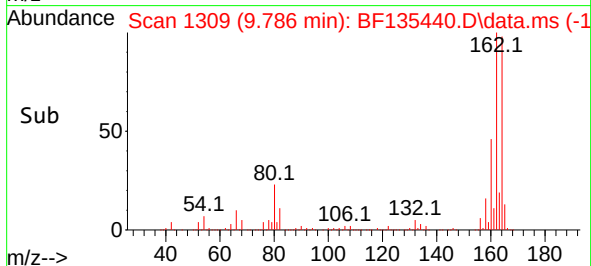


#57
2,4-Dinitrotoluene
Concen: 7.056 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF135440.D
Acq: 25 Sep 2023 21:56

Instrument :
BNA_F
ClientSampleId :

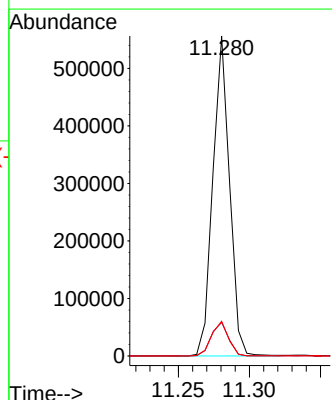
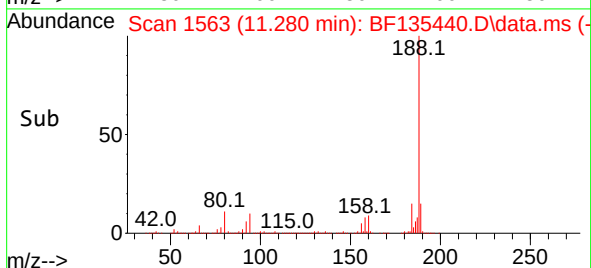
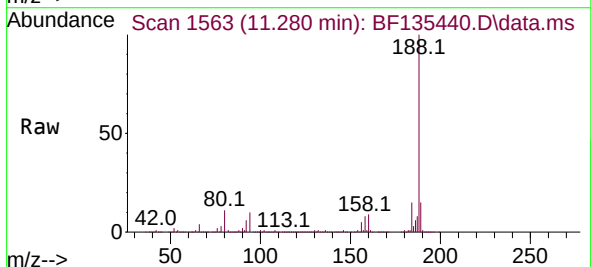


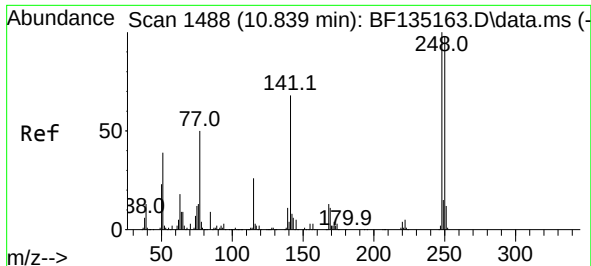
Tgt Ion:165 Resp: 40666
Ion Ratio Lower Upper
165 100
63 1.4 50.1 75.1#
89 1.1 59.3 88.9#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.280 min Scan# 1563
Delta R.T. -0.006 min
Lab File: BF135440.D
Acq: 25 Sep 2023 21:56

Tgt Ion:188 Resp: 455266
Ion Ratio Lower Upper
188 100
94 10.5 7.0 10.6
80 10.8 7.5 11.3





#67

4-Bromophenyl-phenylether

Concen: 2.654 ng

RT: 10.581 min Scan# 14

Delta R.T. -0.247 min

Lab File: BF135440.D

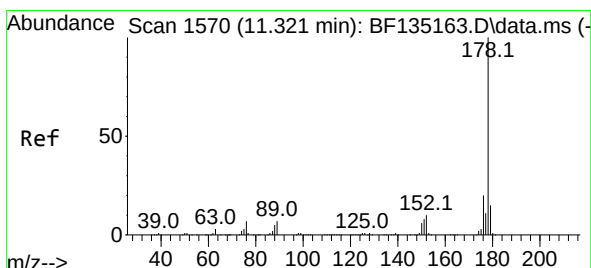
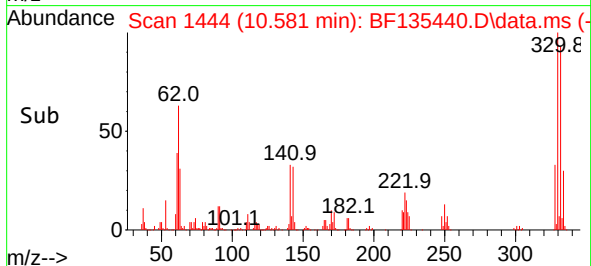
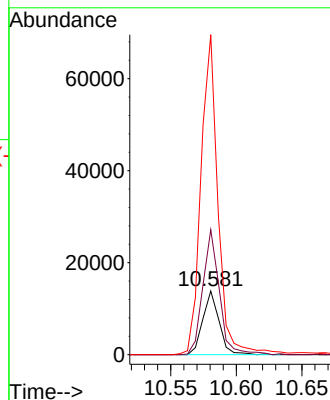
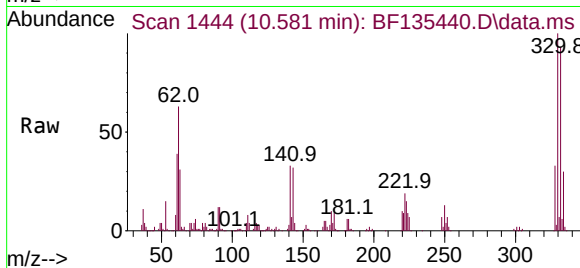
Acq: 25 Sep 2023 21:56

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:248	Resp:	12019
Ion Ratio	Lower	Upper
248	100	
250	196.4	78.6 117.8#
141	503.0	54.2 81.2#



#71

Phenanthrene

Concen: 32.033 ng

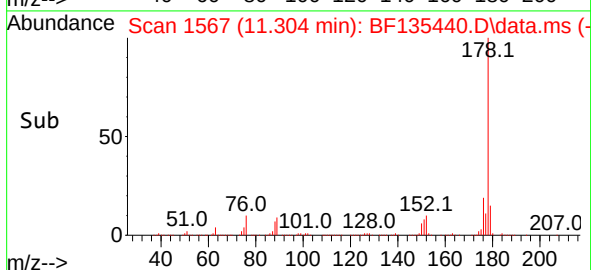
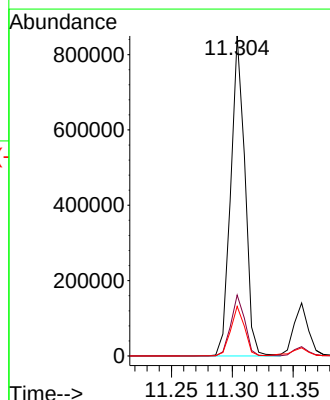
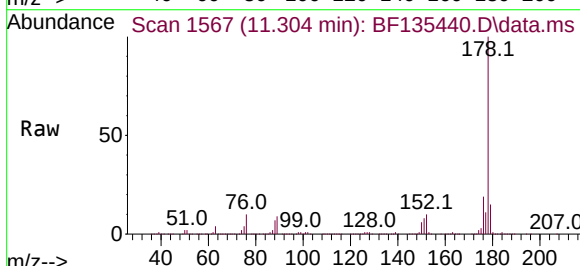
RT: 11.304 min Scan# 1567

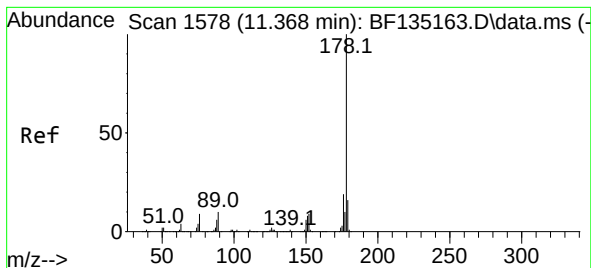
Delta R.T. -0.006 min

Lab File: BF135440.D

Acq: 25 Sep 2023 21:56

Tgt Ion:178	Resp:	689728
Ion Ratio	Lower	Upper
178	100	
176	19.0	15.6 23.4
179	15.5	12.0 18.0





#72

Anthracene

Concen: 5.090 ng

RT: 11.357 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135440.D

Acq: 25 Sep 2023 21:56

Instrument :

BNA_F

ClientSampleId :

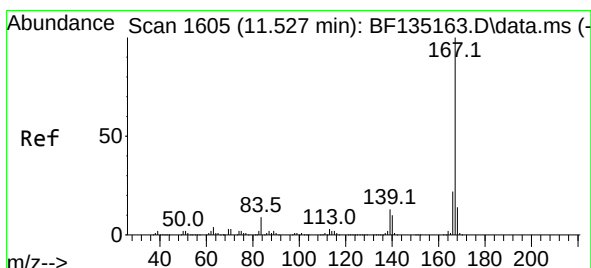
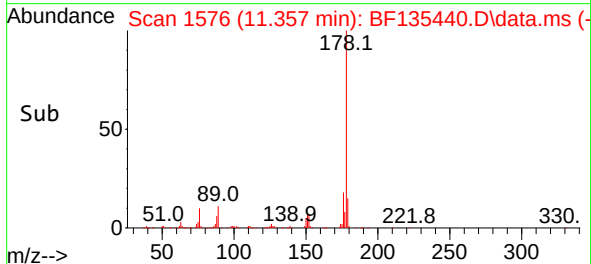
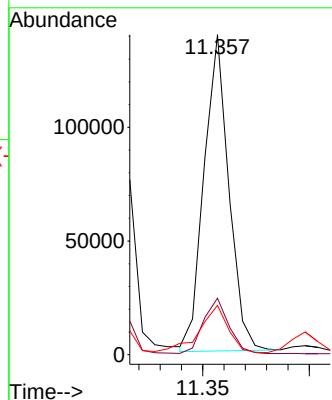
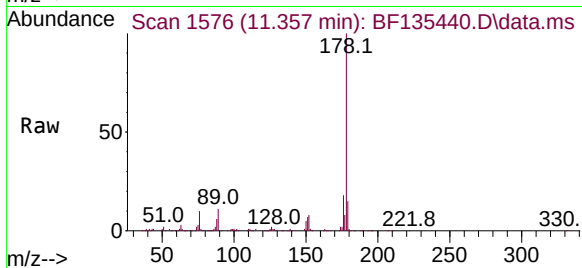
Tgt Ion:178 Resp: 112665

Ion Ratio Lower Upper

178 100

176 17.7 15.4 23.2

179 15.4 12.6 19.0



#73

Carbazole

Concen: 2.029 ng

RT: 11.522 min Scan# 1604

Delta R.T. 0.000 min

Lab File: BF135440.D

Acq: 25 Sep 2023 21:56

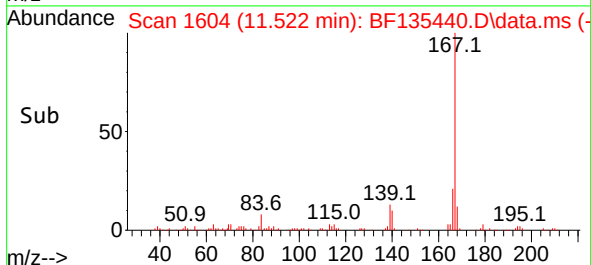
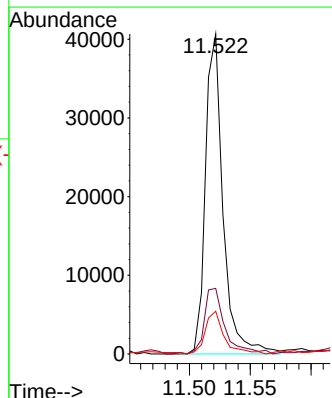
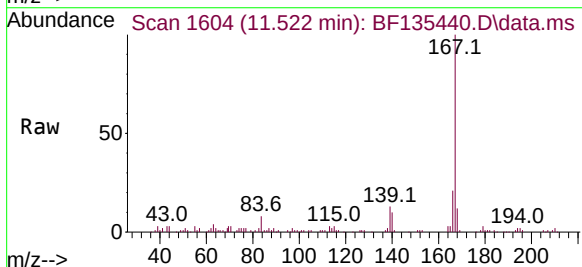
Tgt Ion:167 Resp: 40875

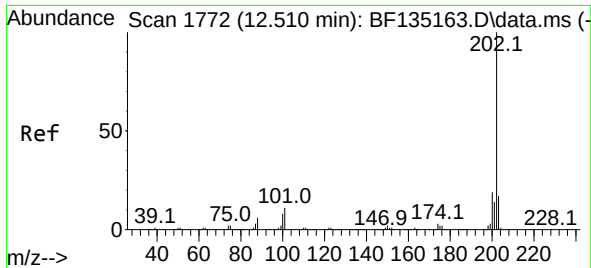
Ion Ratio Lower Upper

167 100

166 20.5 17.4 26.0

139 13.4 10.6 15.8

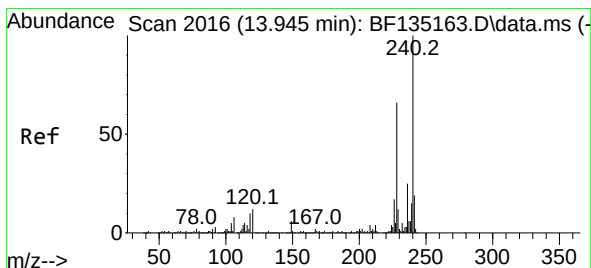
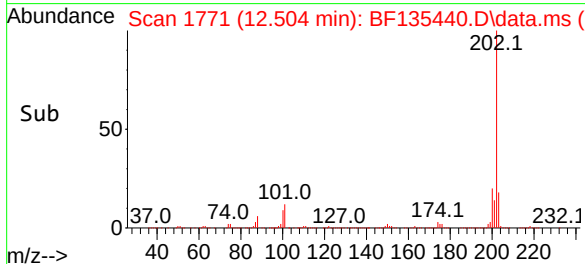
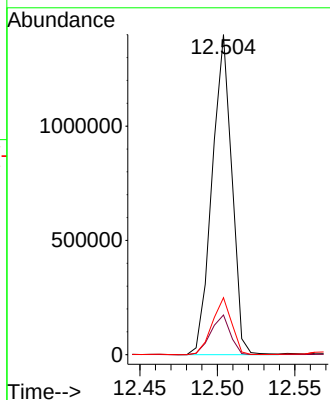
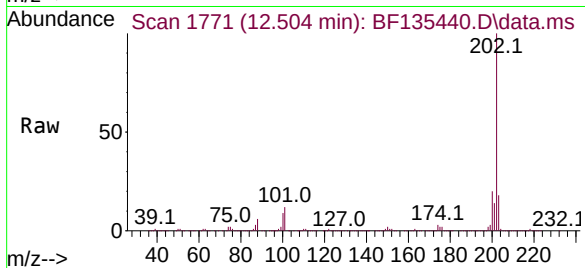




#75
Fluoranthene
Concen: 55.264 ng
RT: 12.504 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135440.D
Acq: 25 Sep 2023 21:56

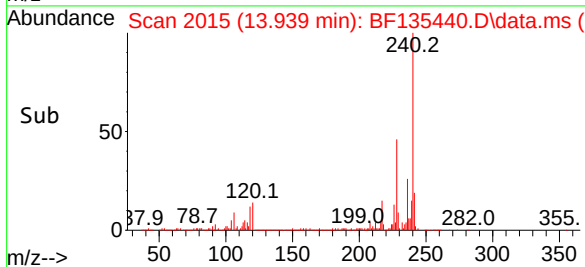
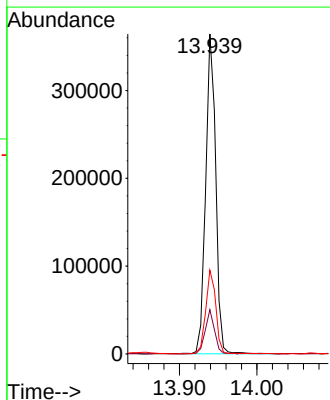
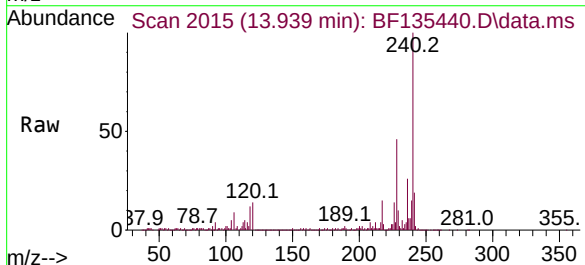
Instrument :
BNA_F
ClientSampleId :

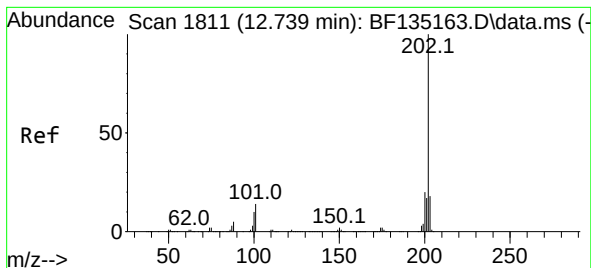
Tgt Ion:202 Resp: 1239914
Ion Ratio Lower Upper
202 100
101 12.4 0.0 31.3
203 17.8 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135440.D
Acq: 25 Sep 2023 21:56

Tgt Ion:240 Resp: 327884
Ion Ratio Lower Upper
240 100
120 13.9 9.4 14.2
236 26.2 19.8 29.8





#78

Pyrene

Concen: 34.850 ng

RT: 12.733 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF135440.D

Acq: 25 Sep 2023 21:56

Instrument :

BNA_F

ClientSampleId :

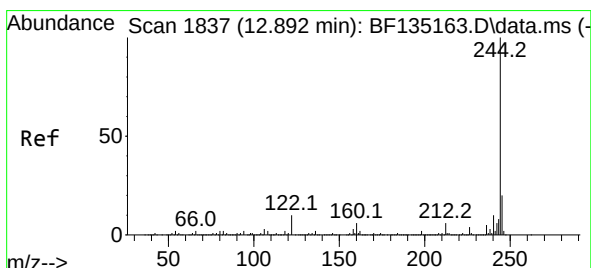
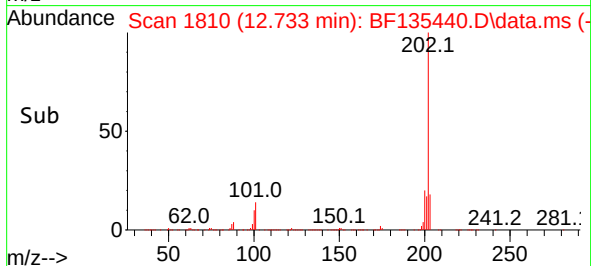
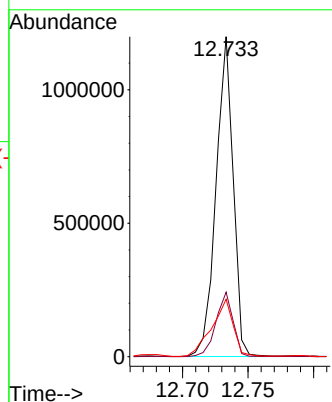
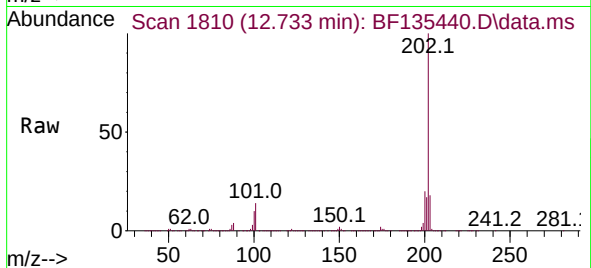
Tgt Ion:202 Resp: 1087910

Ion Ratio Lower Upper

202 100

200 20.1 16.2 24.2

203 18.0 14.2 21.4



#79

Terphenyl-d14

Concen: 36.291 ng

RT: 12.874 min Scan# 1834

Delta R.T. -0.006 min

Lab File: BF135440.D

Acq: 25 Sep 2023 21:56

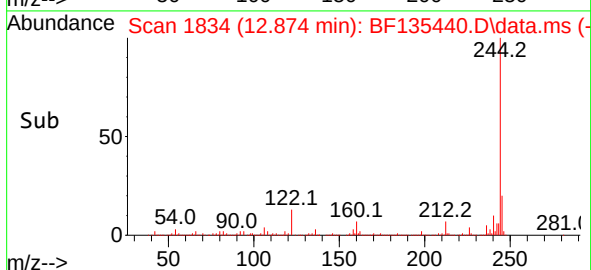
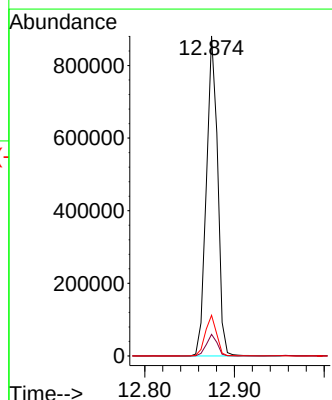
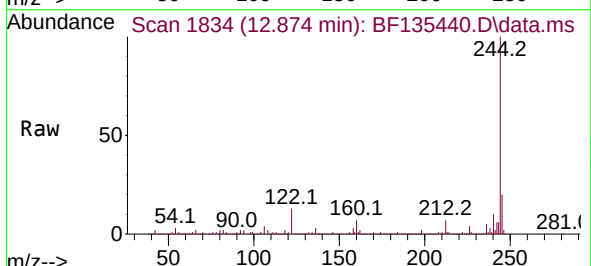
Tgt Ion:244 Resp: 767600

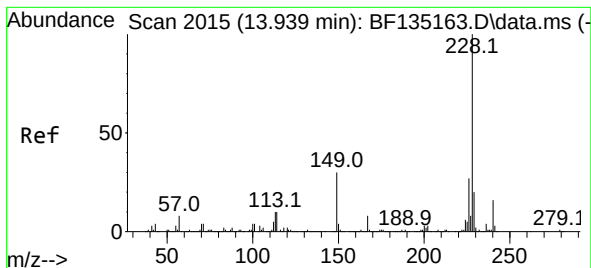
Ion Ratio Lower Upper

244 100

212 6.8 5.1 7.7

122 12.7 7.9 11.9#





#81

Benzo(a)anthracene

Concen: 26.328 ng

RT: 13.927 min Scan# 20

Delta R.T. -0.006 min

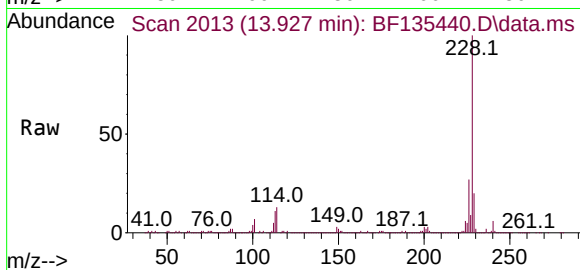
Lab File: BF135440.D

Acq: 25 Sep 2023 21:56

Instrument :

BNA_F

ClientSampleId :



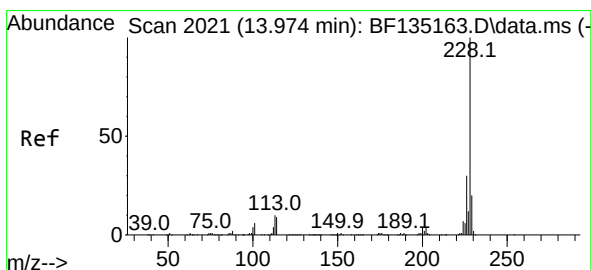
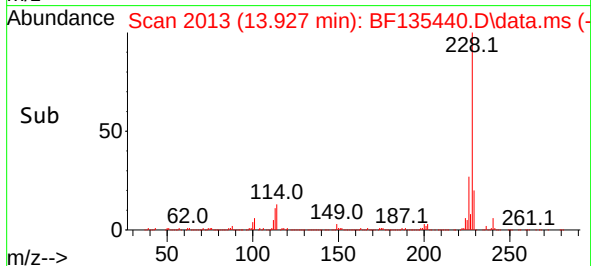
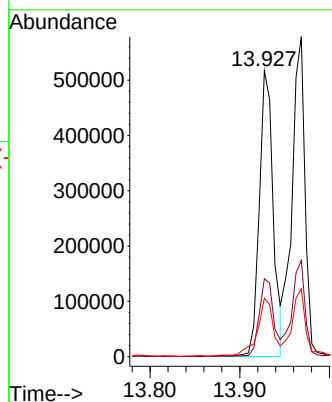
Tgt Ion:228 Resp: 557435

Ion Ratio Lower Upper

228 100

226 27.3 21.7 32.5

229 20.5 15.8 23.8



#83

Chrysene

Concen: 27.810 ng

RT: 13.969 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF135440.D

Acq: 25 Sep 2023 21:56

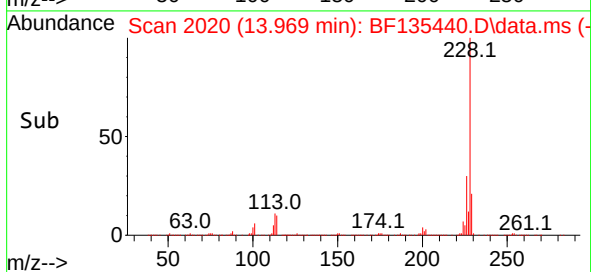
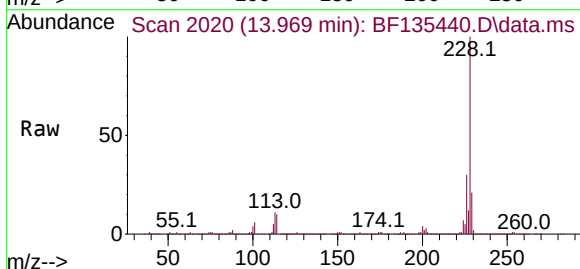
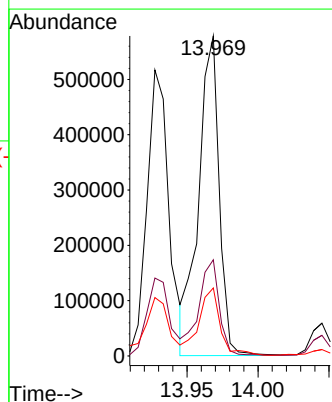
Tgt Ion:228 Resp: 585412

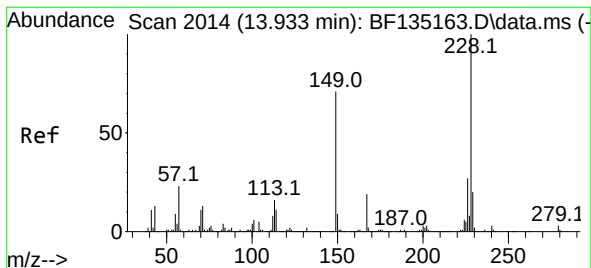
Ion Ratio Lower Upper

228 100

226 30.0 24.3 36.5

229 21.3 16.0 24.0

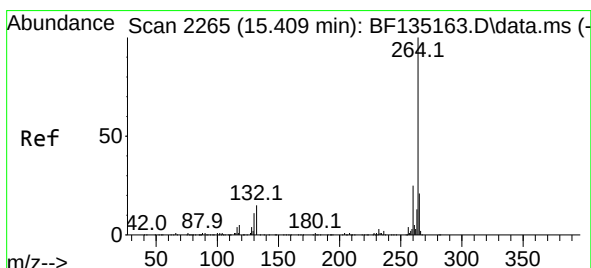
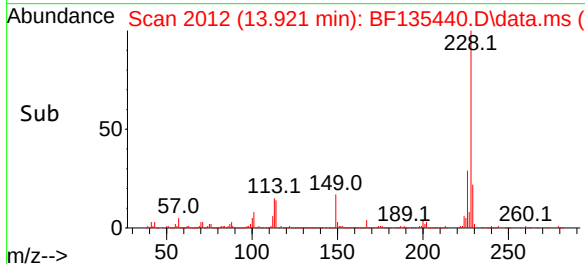
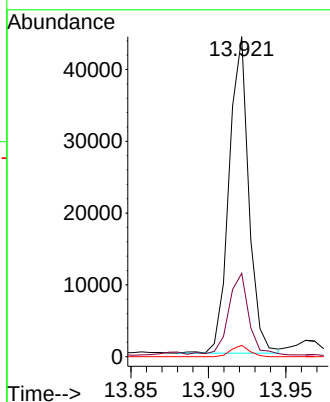
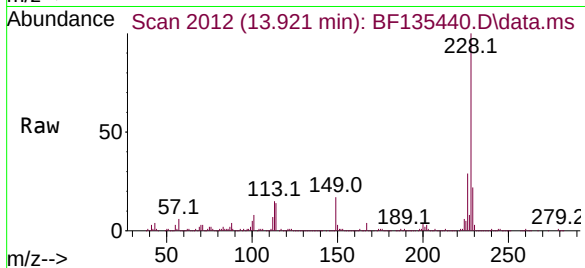




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.455 ng
RT: 13.921 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF135440.D
Acq: 25 Sep 2023 21:56

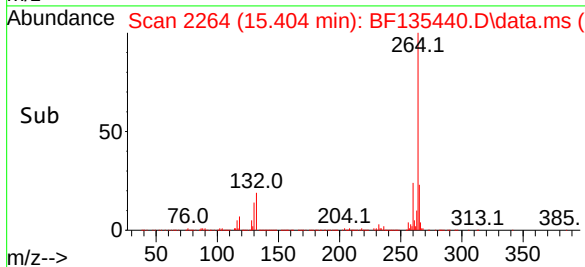
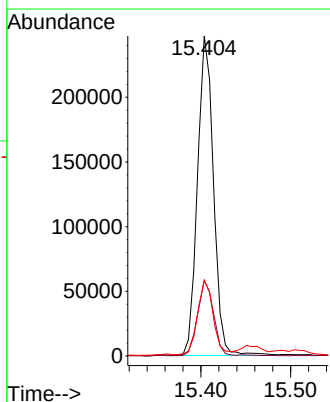
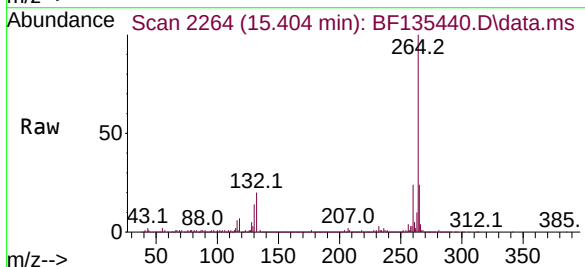
Instrument :
BNA_F
ClientSampleId :

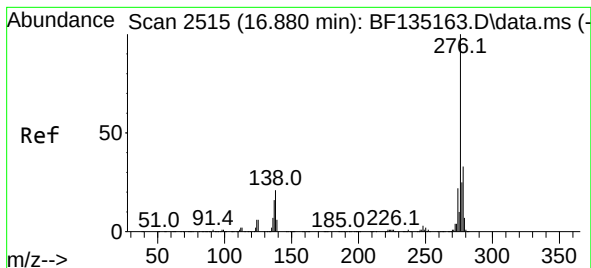
Tgt Ion:149 Resp: 38966
Ion Ratio Lower Upper
149 100
167 26.0 21.9 32.9
279 3.6 3.3 4.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 2264
Delta R.T. 0.000 min
Lab File: BF135440.D
Acq: 25 Sep 2023 21:56

Tgt Ion:264 Resp: 307004
Ion Ratio Lower Upper
264 100
260 23.6 19.8 29.6
265 23.6 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.898 ng

RT: 16.880 min Scan# 2192

Delta R.T. -0.006 min

Lab File: BF135440.D

Acq: 25 Sep 2023 21:56

Instrument :

BNA_F

ClientSampleId :

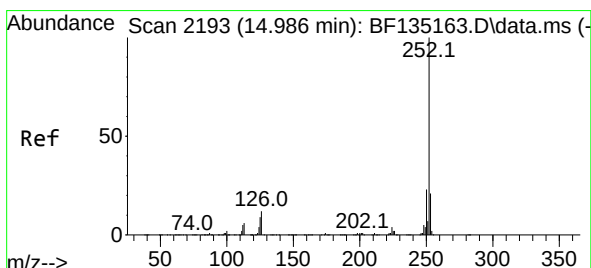
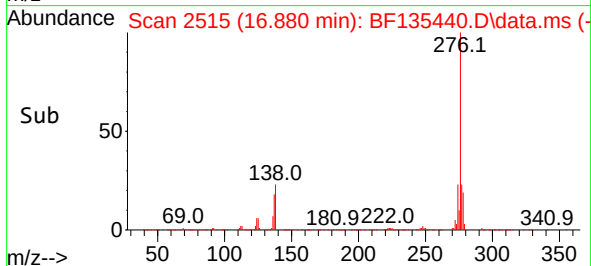
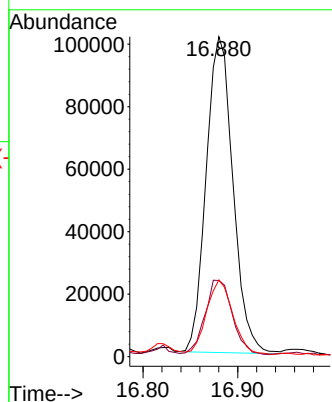
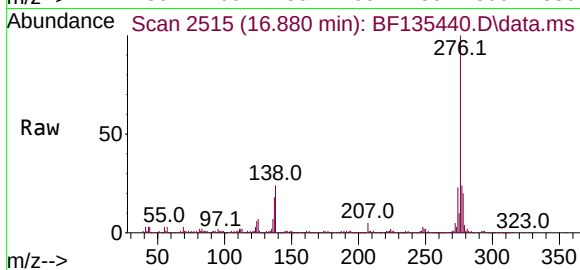
Tgt Ion:276 Resp: 199231

Ion Ratio Lower Upper

276 100

138 24.4 19.2 28.8

277 23.2 19.7 29.5



#88

Benzo(b)fluoranthene

Concen: 48.906 ng

RT: 14.980 min Scan# 2192

Delta R.T. 0.000 min

Lab File: BF135440.D

Acq: 25 Sep 2023 21:56

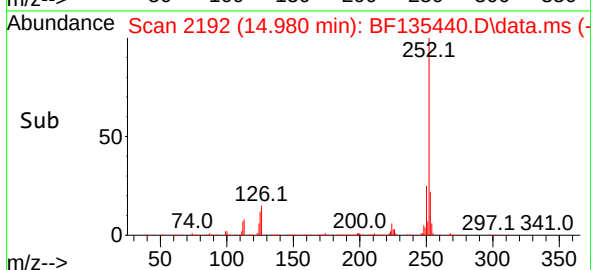
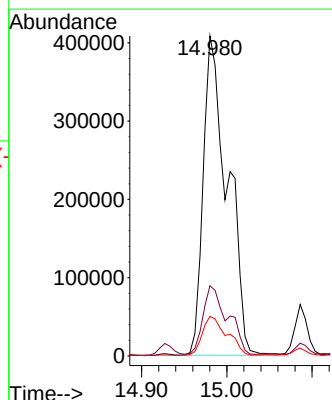
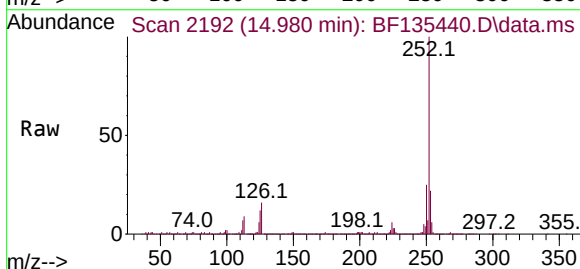
Tgt Ion:252 Resp: 812777

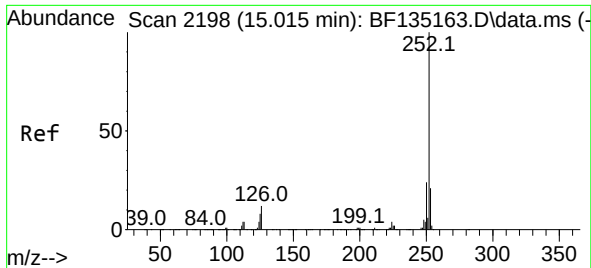
Ion Ratio Lower Upper

252 100

253 21.9 17.2 25.8

125 12.3 7.1 10.7#

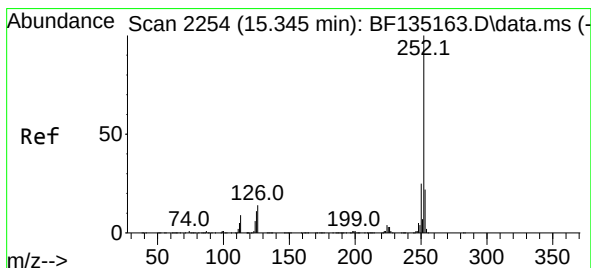
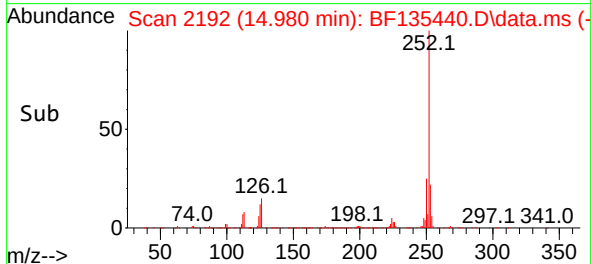
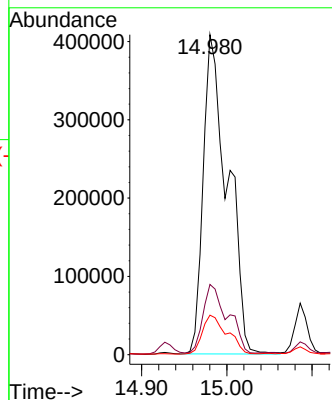
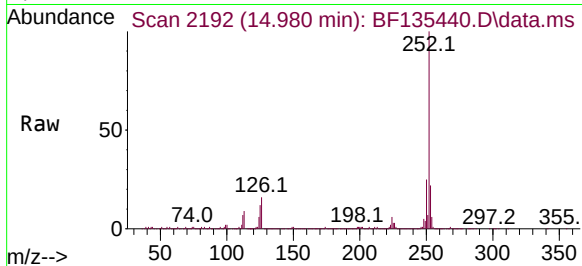




#89
Benzo(k)fluoranthene
Concen: 49.509 ng
RT: 14.980 min Scan# 2198
Delta R.T. -0.029 min
Lab File: BF135440.D
Acq: 25 Sep 2023 21:56

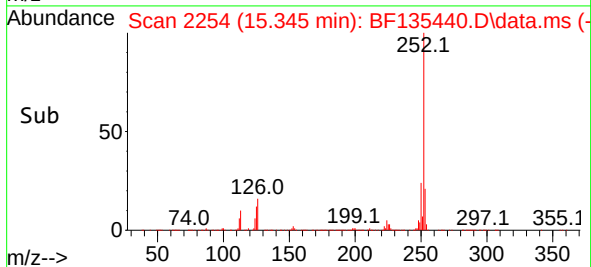
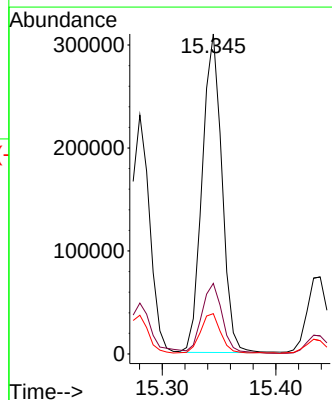
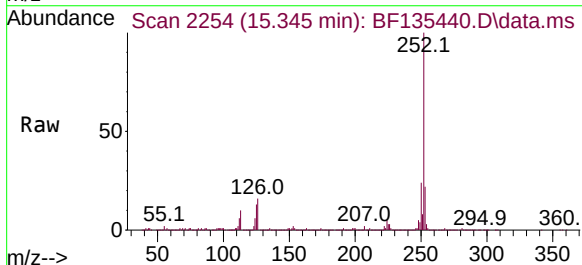
Instrument :
BNA_F
ClientSampleId :

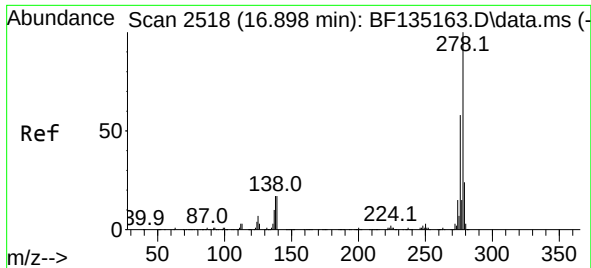
Tgt Ion:252 Resp: 812777
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.0
125 12.3 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 23.556 ng
RT: 15.345 min Scan# 2254
Delta R.T. 0.000 min
Lab File: BF135440.D
Acq: 25 Sep 2023 21:56

Tgt Ion:252 Resp: 373325
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 12.6 9.2 13.8

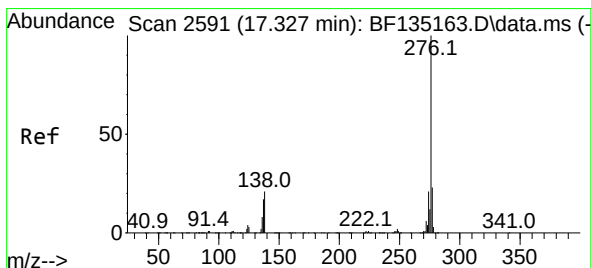
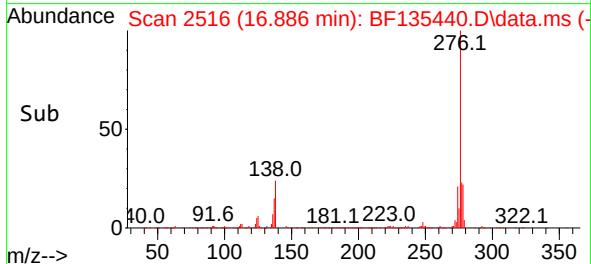
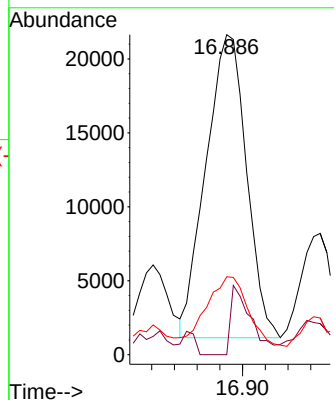
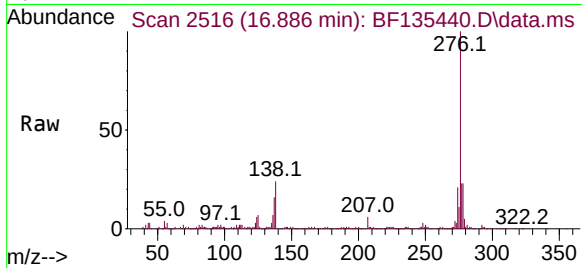




#91
Dibenzo(a,h)anthracene
Concen: 3.081 ng
RT: 16.886 min Scan# 2518
Delta R.T. -0.012 min
Lab File: BF135440.D
Acq: 25 Sep 2023 21:56

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 50751
Ion Ratio Lower Upper
278 100
139 0.0 13.4 20.0#
279 24.3 19.0 28.6



#92
Benzo(g,h,i)perylene
Concen: 11.035 ng
RT: 17.333 min Scan# 2592
Delta R.T. 0.000 min
Lab File: BF135440.D
Acq: 25 Sep 2023 21:56

Tgt Ion:276 Resp: 189808
Ion Ratio Lower Upper
276 100
277 22.2 18.8 28.2
138 23.6 16.9 25.3

