

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100623\
 Data File : BF135636.D
 Acq On : 06 Oct 2023 18:57
 Operator : CG\JU
 Sample : 04736-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 07 01:51:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 04 17:06:20 2023
 Response via : Initial Calibration

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

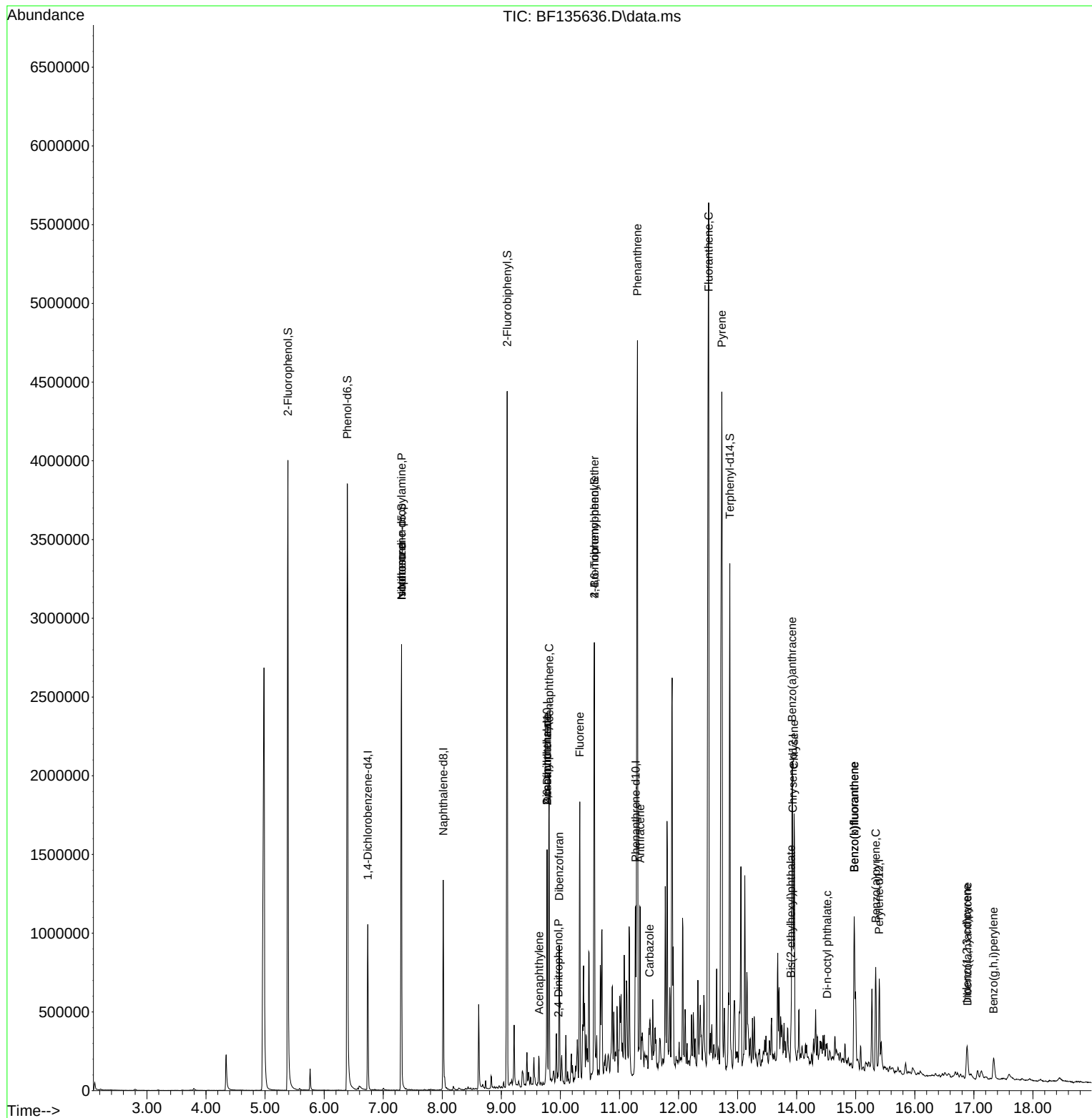
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	151687	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	557974	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	269357	20.000	ng	0.00
64) Phenanthrene-d10	11.275	188	453075	20.000	ng	0.00
76) Chrysene-d12	13.933	240	231534	20.000	ng	0.00
86) Perylene-d12	15.398	264	271235	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	1150499	123.361	ng	0.02
7) Phenol-d6	6.393	99	1506732	127.055	ng	0.00
23) Nitrobenzene-d5	7.310	82	919735	89.554	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	299716	111.970	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1452571	81.361	ng	0.00
79) Terphenyl-d14	12.869	244	1134647	75.968	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.310	70	123401	16.800	ng	# 81
25) Isophorone	7.310	82	919813	48.774	ng	# 65
49) Acenaphthylene	9.639	152	64454	2.582	ng	100
50) Dimethylphthalate	9.775	163	54483	2.992	ng	# 1
51) 2,6-Dinitrotoluene	9.775	165	40866	10.243	ng	# 18
52) Acenaphthene	9.810	154	415998	28.213	ng	98
54) 2,4-Dinitrophenol	9.969	184	162	6.314	ng	# 1
55) Dibenzofuran	9.981	168	251595	11.182	ng	# 97
58) Fluorene	10.328	166	479739	27.734	ng	99
67) 4-Bromophenyl-phenylether	10.575	248	19155	4.251	ng	# 1
71) Phenanthrene	11.304	178	2032346	94.843	ng	98
72) Anthracene	11.351	178	429919	19.519	ng	98
73) Carbazole	11.510	167	83115	4.145	ng	98
75) Fluoranthene	12.510	202	3383144	151.518	ng	99
78) Pyrene	12.733	202	2447923	111.048	ng	99
81) Benzo(a)anthracene	13.921	228	800309	53.530	ng	97
83) Chrysene	13.957	228	650457	43.759	ng	99
84) Bis(2-ethylhexyl)phtha...	13.904	149	35183	4.418	ng	99
85) Di-n-octyl phthalate	14.516	149	25464	2.012	ng	# 69
87) Indeno(1,2,3-cd)pyrene	16.880	276	133014	7.479	ng	99
88) Benzo(b)fluoranthene	14.974	252	695072	47.339	ng	# 96
89) Benzo(k)fluoranthene	14.974	252	695072	47.922	ng	# 96
90) Benzo(a)pyrene	15.339	252	315205	22.511	ng	100
91) Dibenzo(a,h)anthracene	16.892	278	37387	2.569	ng	96
92) Benzo(g,h,i)perylene	17.333	276	115516	7.601	ng	97

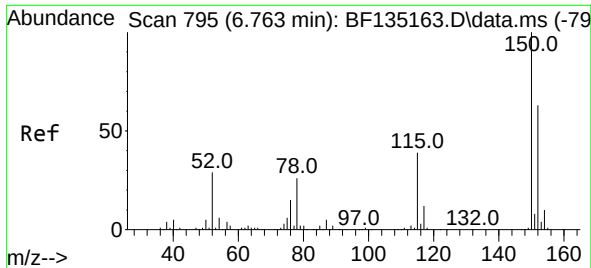
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 04 17:06:20 2023
Response via : Initial Calibration

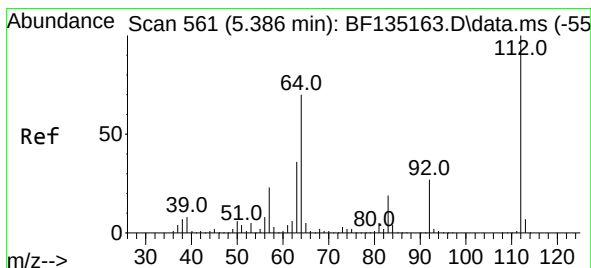
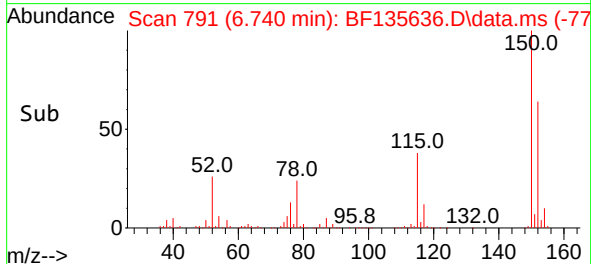
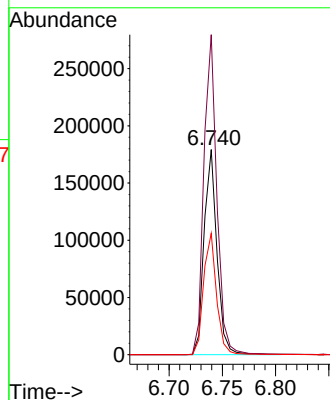
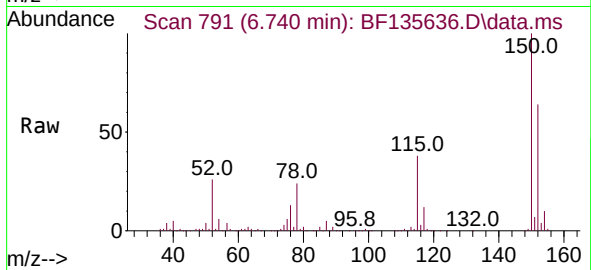




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.740 min Scan# 795
 Delta R.T. 0.001 min
 Lab File: BF135636.D
 Acq: 06 Oct 2023 18:57

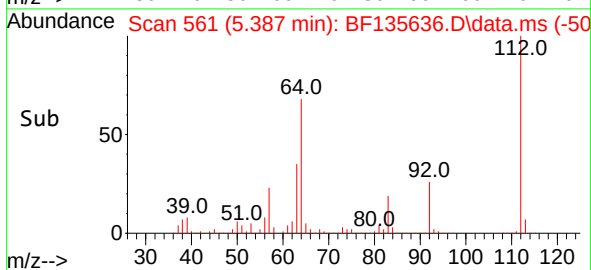
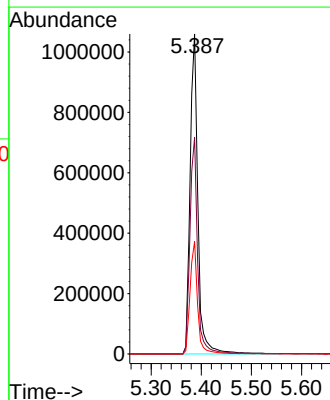
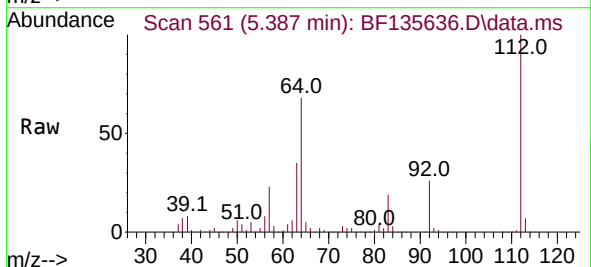
Instrument :
 BNA_F
 ClientSampleId :

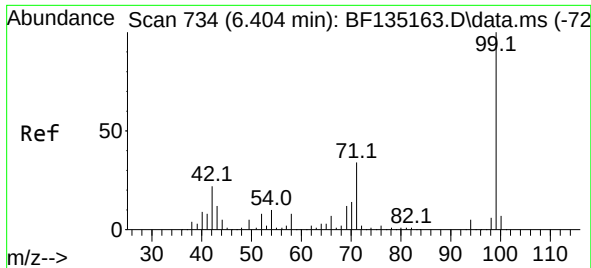
Tgt Ion:152 Resp: 151687
 Ion Ratio Lower Upper
 152 100
 150 156.0 127.8 191.6
 115 59.1 49.8 74.8



#5
 2-Fluorophenol
 Concen: 123.361 ng
 RT: 5.387 min Scan# 561
 Delta R.T. 0.018 min
 Lab File: BF135636.D
 Acq: 06 Oct 2023 18:57

Tgt Ion:112 Resp: 1150499
 Ion Ratio Lower Upper
 112 100
 64 67.7 55.9 83.9
 63 35.1 29.0 43.6

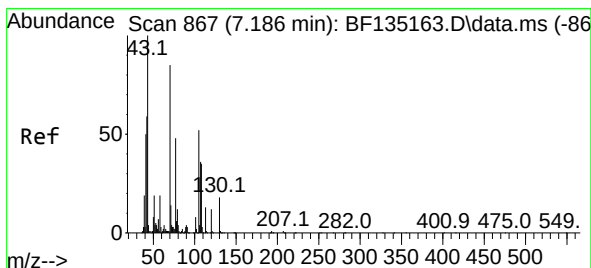
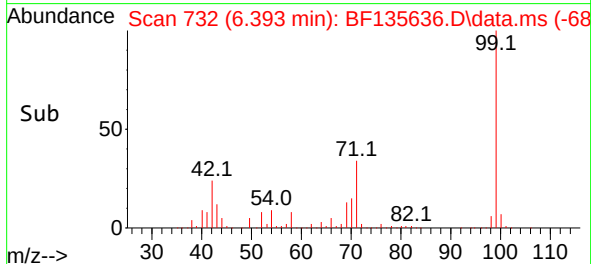
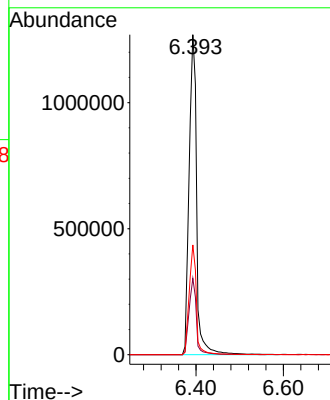
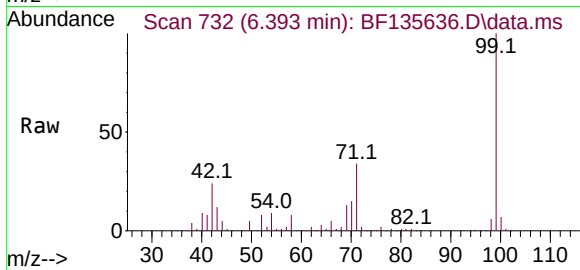




#7
Phenol-d6
Concen: 127.055 ng
RT: 6.393 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF135636.D
Acq: 06 Oct 2023 18:57

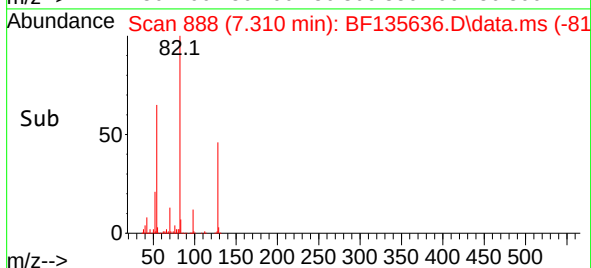
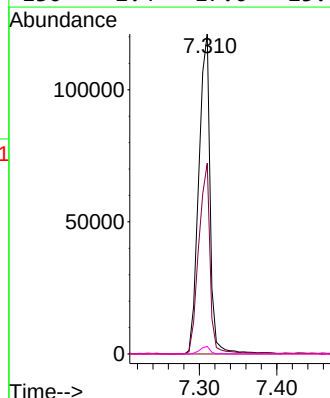
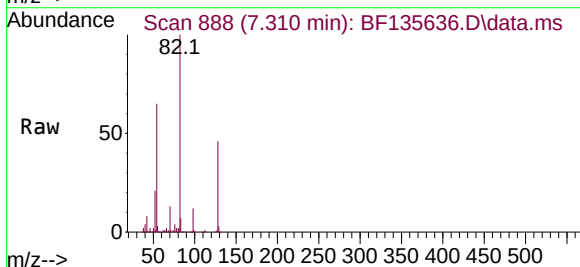
Instrument :
BNA_F
ClientSampleId :

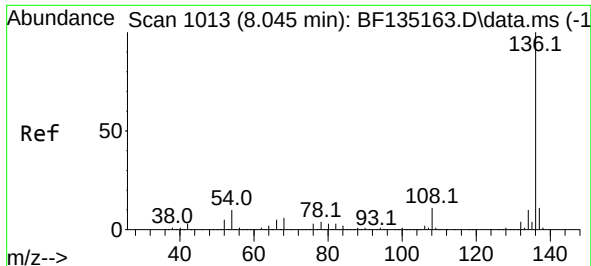
Tgt Ion: 99 Resp: 1506732
Ion Ratio Lower Upper
99 100
42 23.8 17.9 26.9
71 34.3 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 16.800 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.153 min
Lab File: BF135636.D
Acq: 06 Oct 2023 18:57

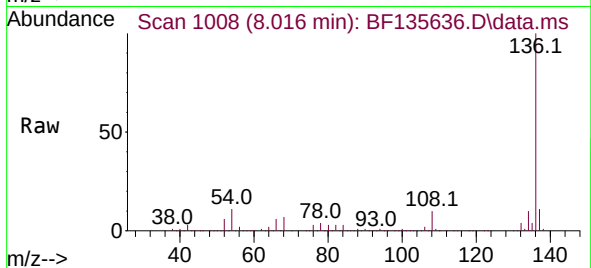
Tgt Ion: 70 Resp: 123401
Ion Ratio Lower Upper
70 100
42 59.6 55.4 83.0
101 0.0 7.7 11.5#
130 2.4 17.0 25.6#



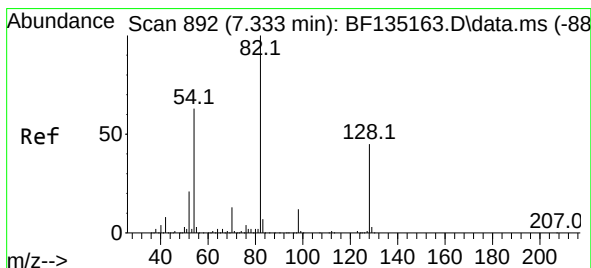
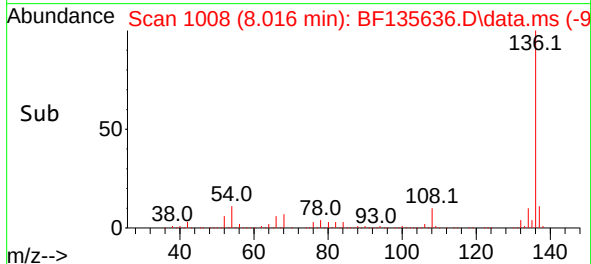
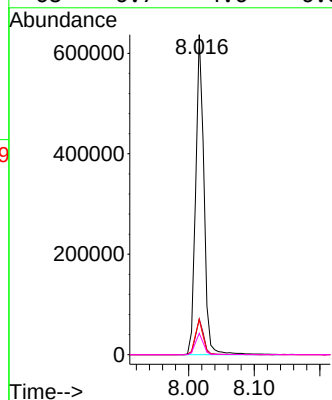


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF135636.D
Acq: 06 Oct 2023 18:57

Instrument :
BNA_F
ClientSampleId :

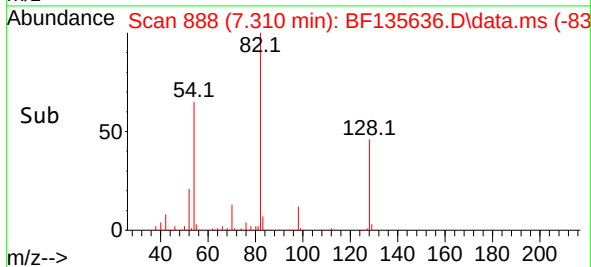
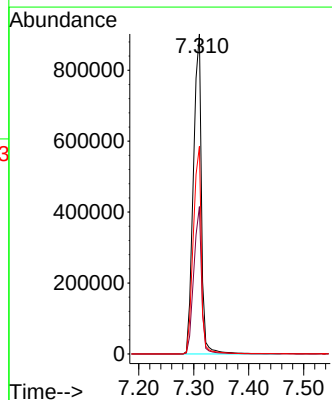
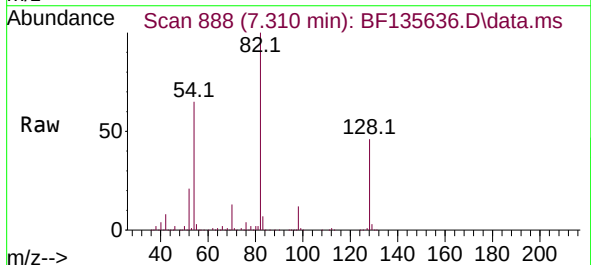


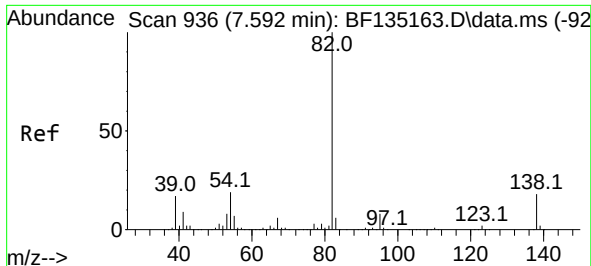
Tgt Ion:136 Resp: 557974
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 11.0 7.7 11.5
68 6.7 4.6 6.8



#23
Nitrobenzene-d5
Concen: 89.554 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF135636.D
Acq: 06 Oct 2023 18:57

Tgt Ion: 82 Resp: 919735
Ion Ratio Lower Upper
82 100
128 46.1 35.8 53.6
54 64.8 50.6 76.0

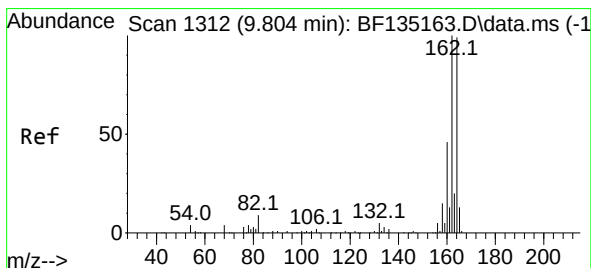
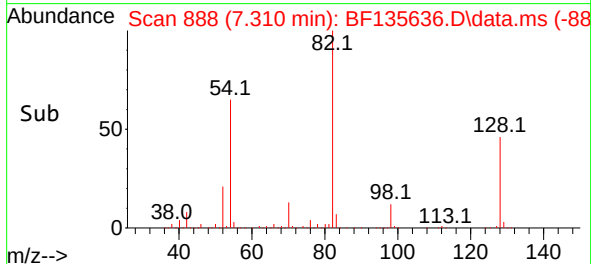
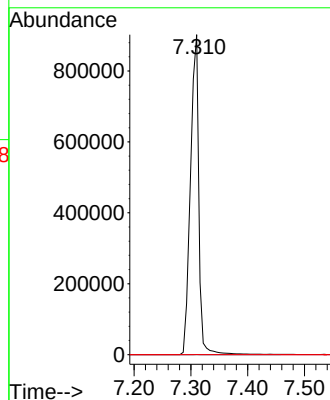
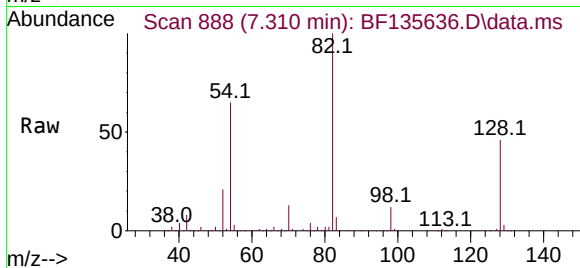




#25
Isophorone
Concen: 48.774 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.253 min
Lab File: BF135636.D
Acq: 06 Oct 2023 18:57

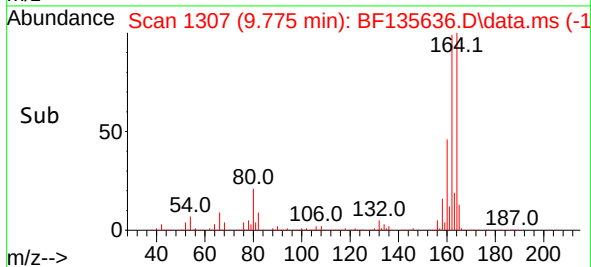
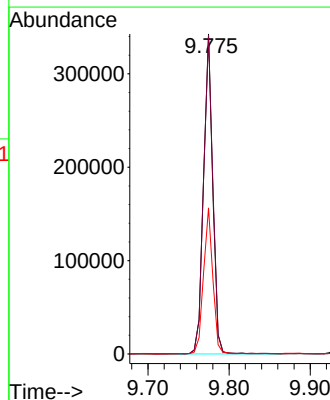
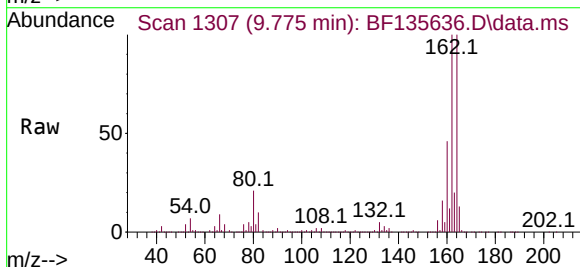
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ClientSampleId :

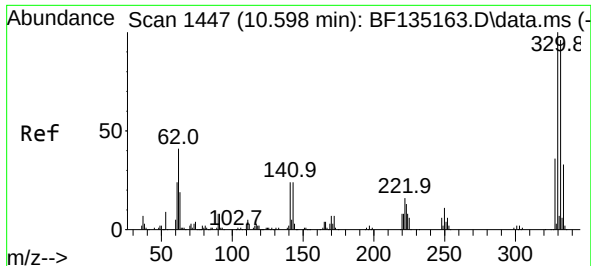
Tgt Ion: 82 Resp: 919813
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.000 min
Lab File: BF135636.D
Acq: 06 Oct 2023 18:57

Tgt Ion: 164 Resp: 269357
Ion Ratio Lower Upper
164 100
162 99.6 81.0 121.4
160 45.6 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 111.970 ng

RT: 10.575 min Scan# 1443

Delta R.T. 0.006 min

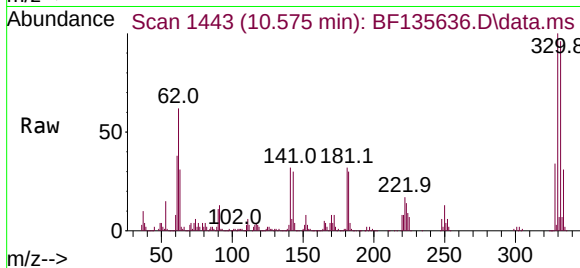
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Acq: 06 Oct 2023 18:57

Instrument :

BNA_F

ClientSampleId :



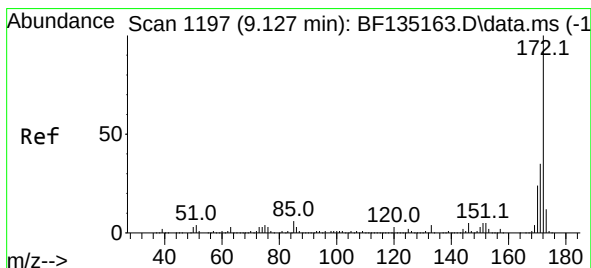
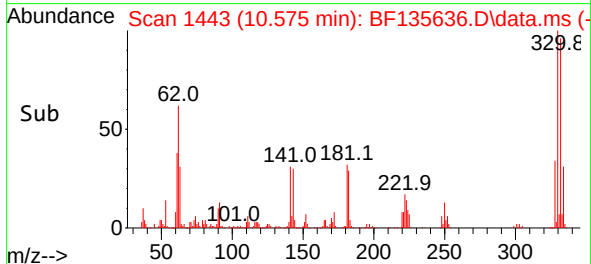
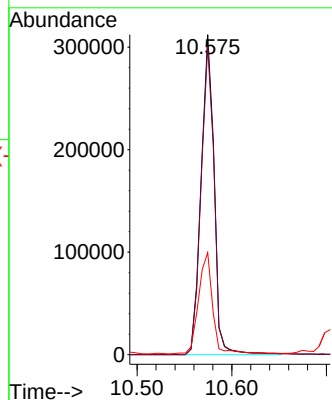
Tgt Ion:330 Resp: 299716

Ion Ratio Lower Upper

330 100

332 97.9 77.3 115.9

141 34.1 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 81.361 ng

RT: 9.098 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF135636.D

Acq: 06 Oct 2023 18:57

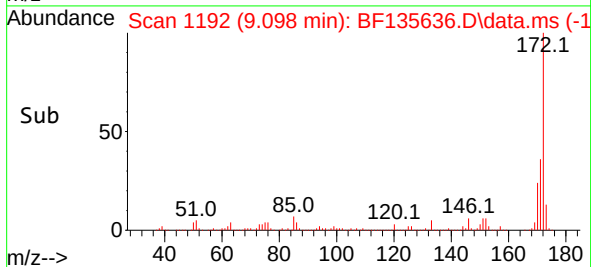
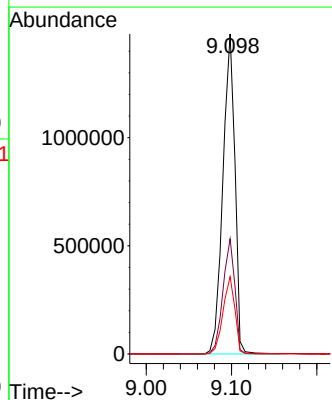
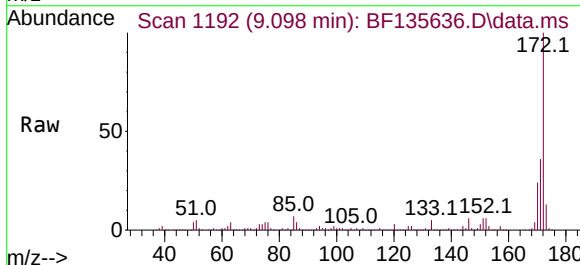
Tgt Ion:172 Resp: 1452571

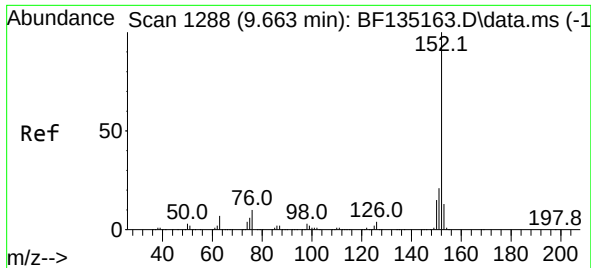
Ion Ratio Lower Upper

172 100

171 36.0 28.4 42.6

170 24.2 19.0 28.4

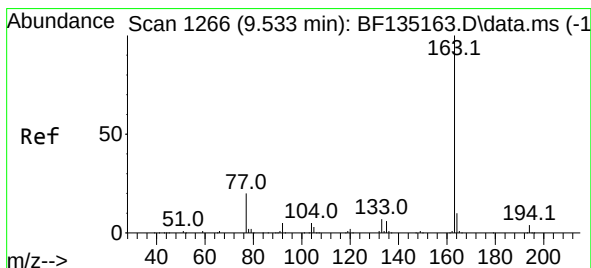
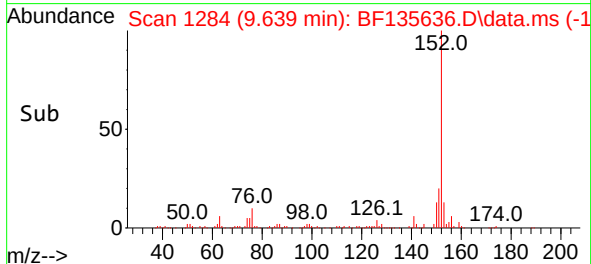
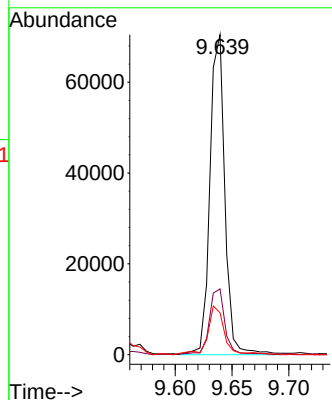
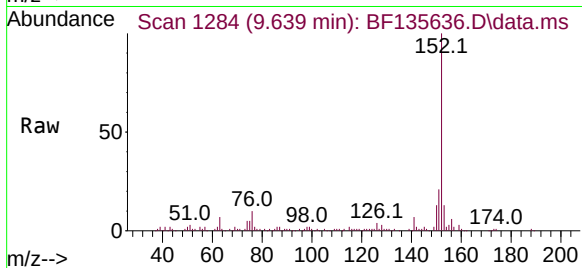




#49
Acenaphthylene
Concen: 2.582 ng
RT: 9.639 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135636.D
Acq: 06 Oct 2023 18:57

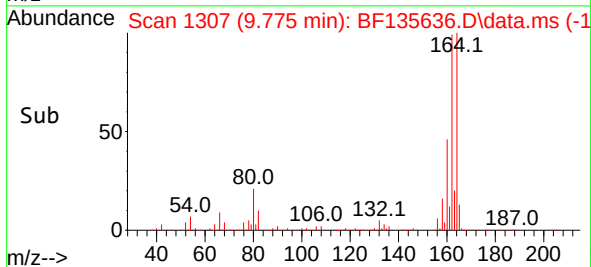
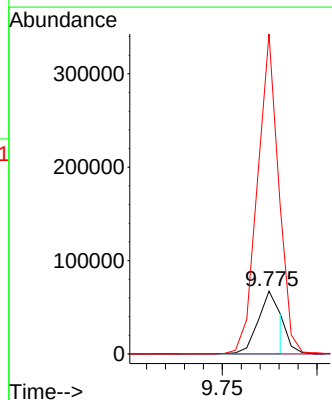
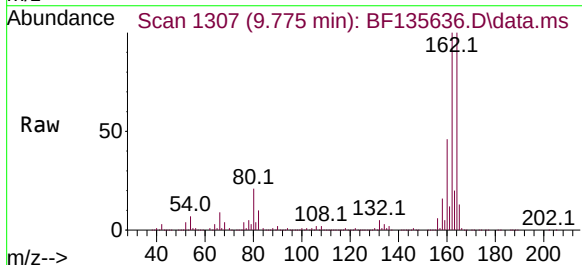
Instrument :
BNA_F
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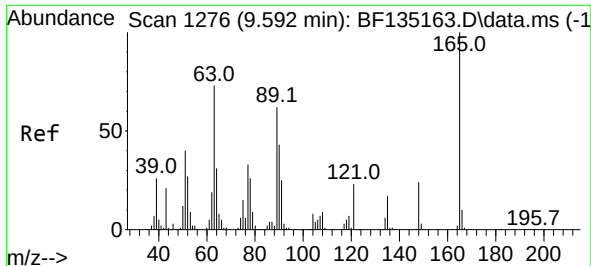
Tgt Ion:152 Resp: 64454
Ion Ratio Lower Upper
152 100
151 20.6 16.4 24.6
153 13.1 10.4 15.6



#50
Dimethylphthalate
Concen: 2.992 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.271 min
Lab File: BF135636.D
Acq: 06 Oct 2023 18:57

Tgt Ion:163 Resp: 54483
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 510.6 8.1 12.1#

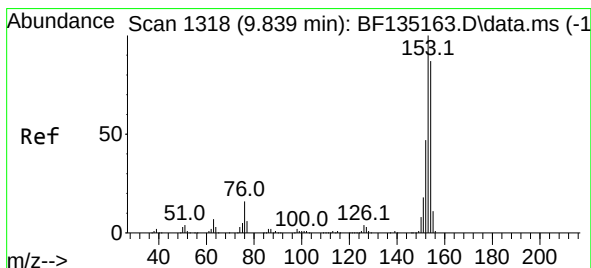
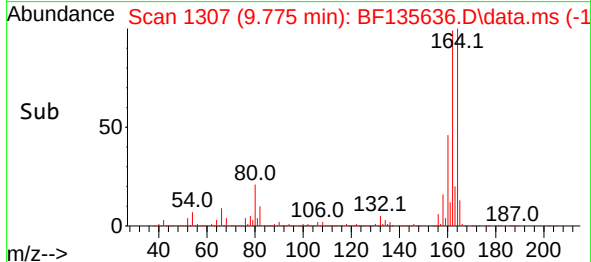
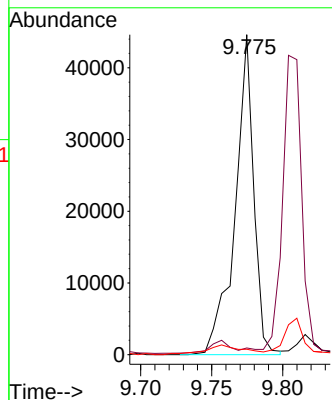
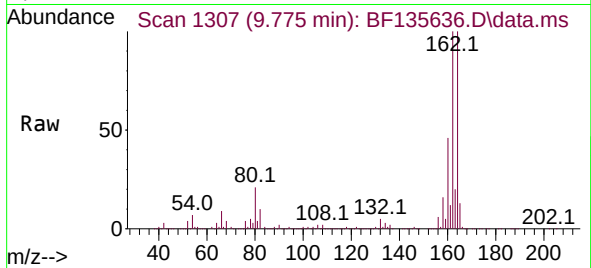




#51
2,6-Dinitrotoluene
Concen: 10.243 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF135636.D
Acq: 06 Oct 2023 18:57

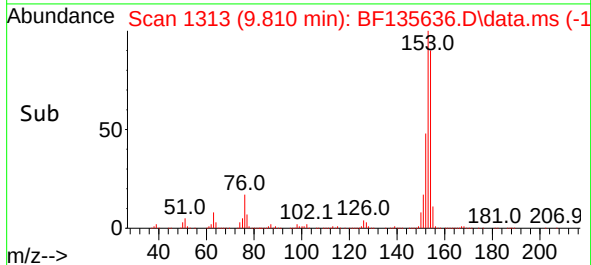
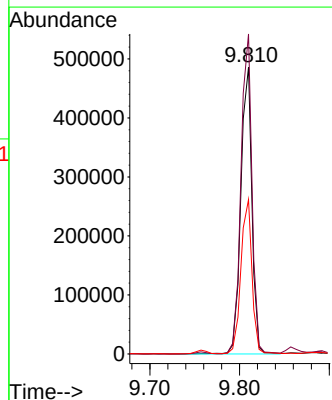
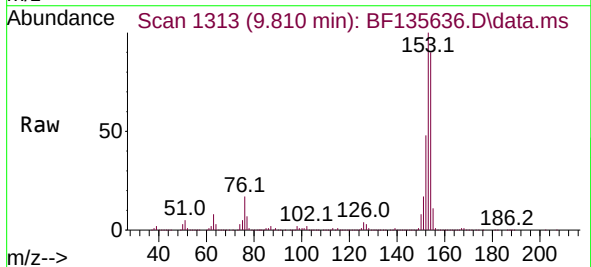
Instrument :
BNA_F
ClientSampleId :

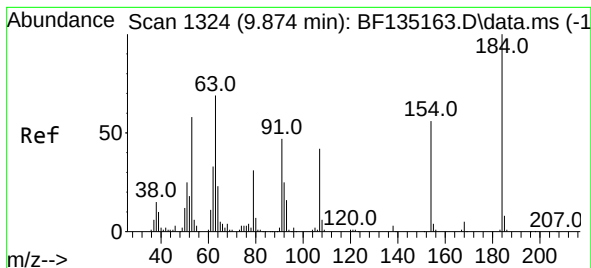
Tgt Ion:165 Resp: 40866
Ion Ratio Lower Upper
165 100
63 2.1 59.4 89.2#
89 1.7 49.8 74.8#



#52
Acenaphthene
Concen: 28.213 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF135636.D
Acq: 06 Oct 2023 18:57

Tgt Ion:154 Resp: 415998
Ion Ratio Lower Upper
154 100
153 111.5 92.1 138.1
152 53.8 43.1 64.7





#54

2,4-Dinitrophenol

Concen: 6.314 ng

RT: 9.969 min Scan# 11

Delta R.T. 0.106 min

Lab File: BF135636.D

Acq: 06 Oct 2023 18:57

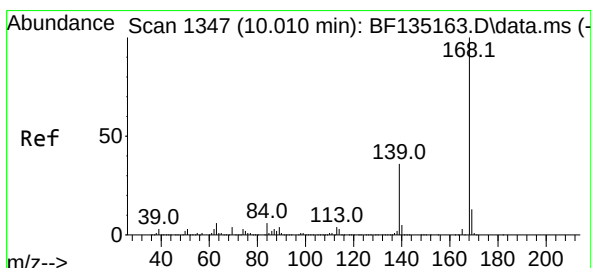
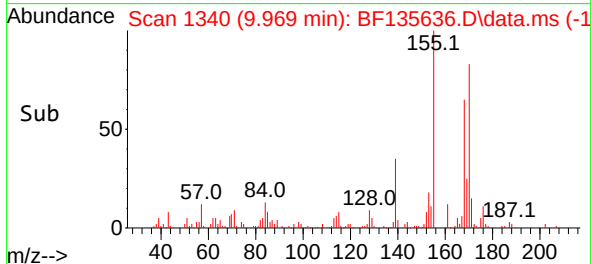
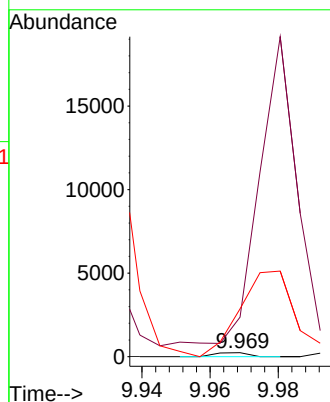
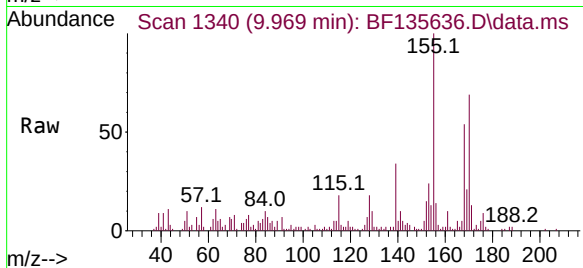
Instrument :

BNA_F

ClientSampleId :

Tgt Ion:184 Resp: 162

Ion	Ratio	Lower	Upper
184	100		
63	970.9	55.1	82.7#
154	1172.5	48.4	72.6#



#55

Dibenzofuran

Concen: 11.182 ng

RT: 9.981 min Scan# 1342

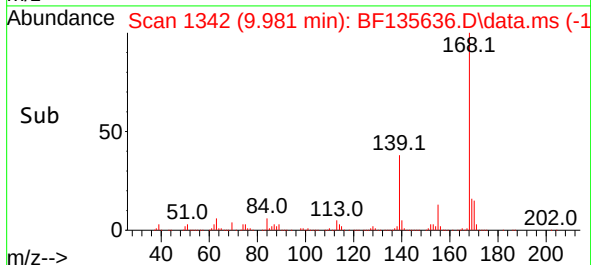
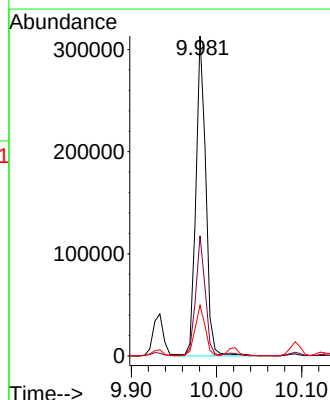
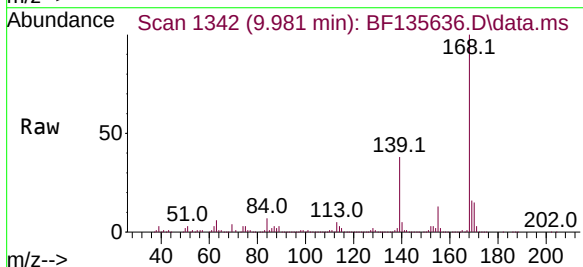
Delta R.T. 0.000 min

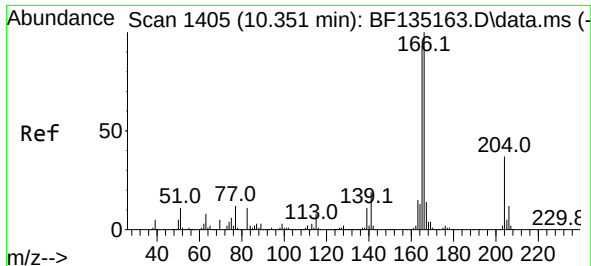
Lab File: BF135636.D

Acq: 06 Oct 2023 18:57

Tgt Ion:168 Resp: 251595

Ion	Ratio	Lower	Upper
168	100		
139	37.5	29.0	43.6
169	15.8	10.4	15.6#

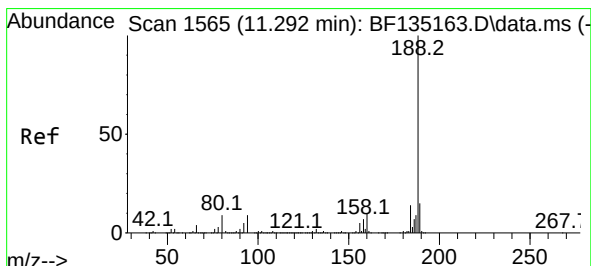
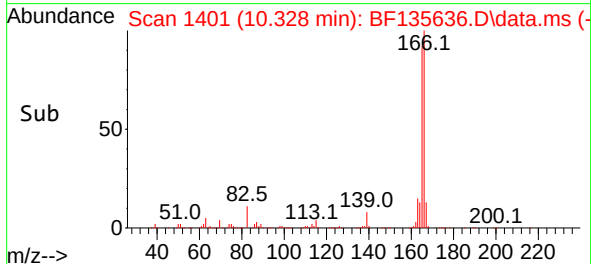
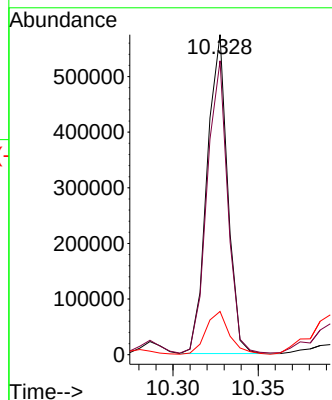
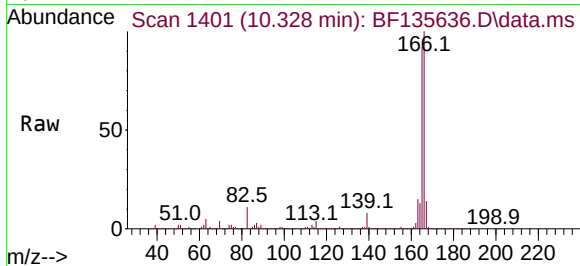




#58
Fluorene
Concen: 27.734 ng
RT: 10.328 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BF135636.D
Acq: 06 Oct 2023 18:57

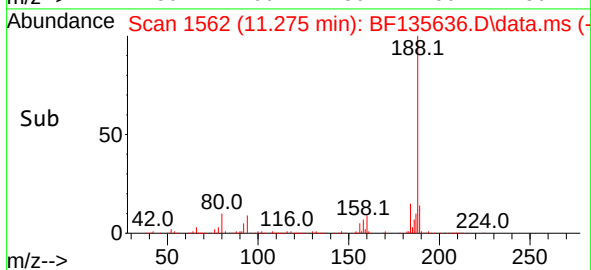
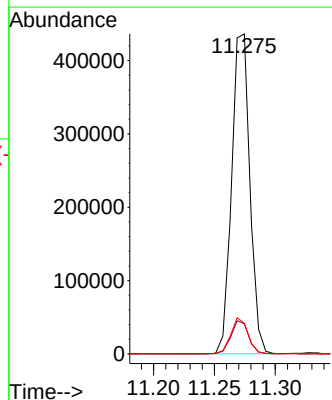
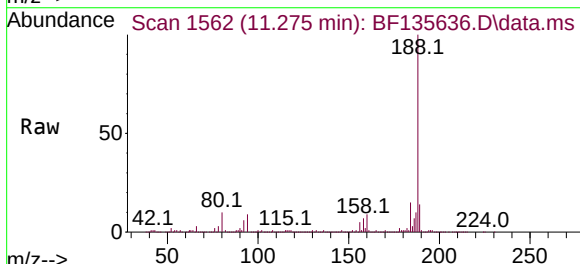
Instrument :
BNA_F
ClientSampleId :

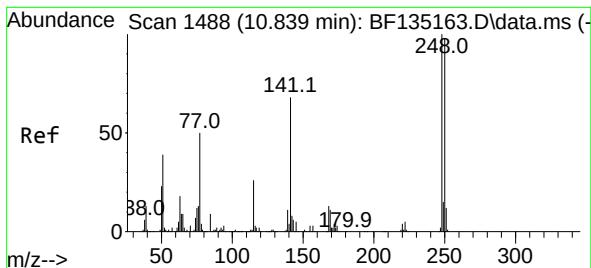
Tgt Ion:166 Resp: 479739
Ion Ratio Lower Upper
166 100
165 91.9 74.3 111.5
167 13.5 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.275 min Scan# 1562
Delta R.T. 0.006 min
Lab File: BF135636.D
Acq: 06 Oct 2023 18:57

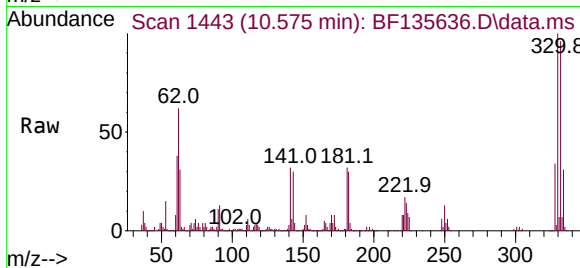
Tgt Ion:188 Resp: 453075
Ion Ratio Lower Upper
188 100
94 9.4 7.0 10.6
80 9.6 7.5 11.3



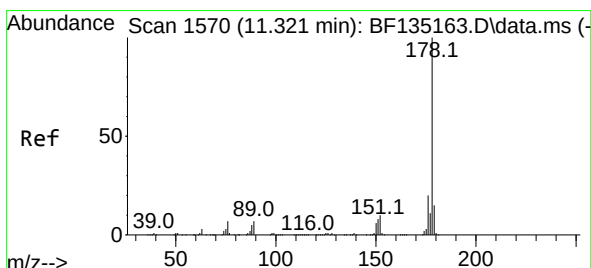
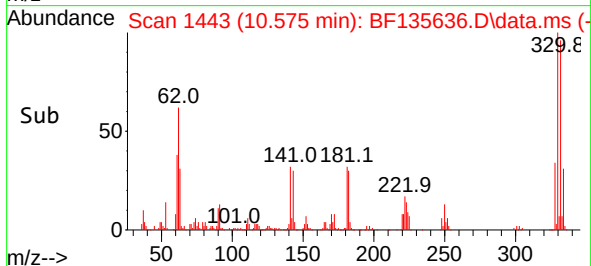
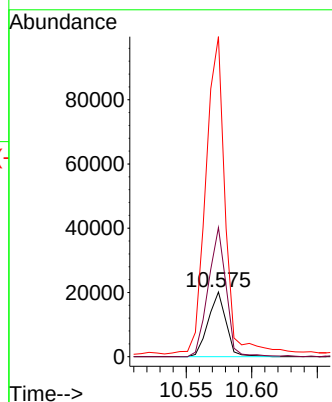


#67
4-Bromophenyl-phenylether
Concen: 4.251 ng
RT: 10.575 min Scan# 1488
Delta R.T. -0.235 min
Lab File: BF135636.D
Acq: 06 Oct 2023 18:57

Instrument :
BNA_F
ClientSampleId :

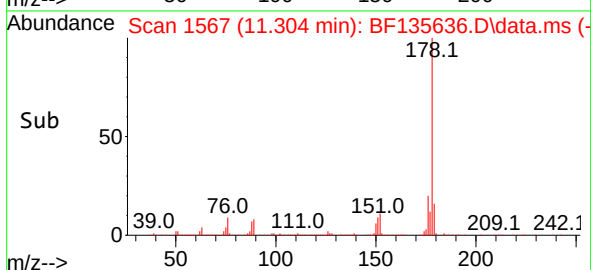
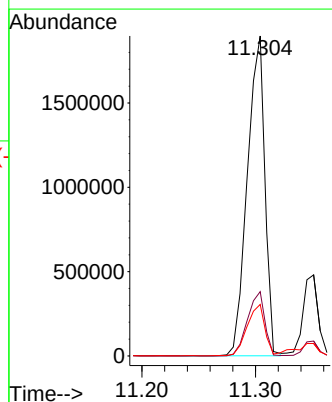
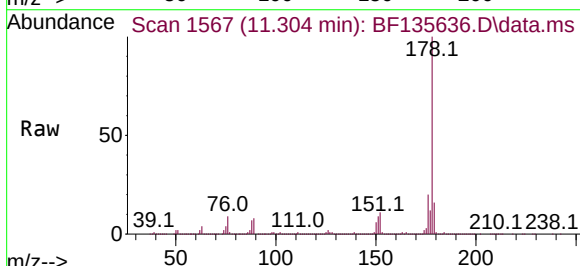


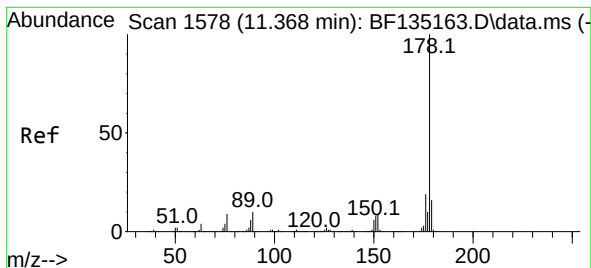
Tgt Ion:248 Resp: 19155
Ion Ratio Lower Upper
248 100
250 199.5 78.6 117.8#
141 494.4 54.2 81.2#



#71
Phenanthrene
Concen: 94.843 ng
RT: 11.304 min Scan# 1567
Delta R.T. 0.012 min
Lab File: BF135636.D
Acq: 06 Oct 2023 18:57

Tgt Ion:178 Resp: 2032346
Ion Ratio Lower Upper
178 100
176 20.1 15.6 23.4
179 16.1 12.0 18.0





#72

Anthracene

Concen: 19.519 ng

RT: 11.351 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF135636.D

Acq: 06 Oct 2023 18:57

Instrument :

BNA_F

ClientSampleId :

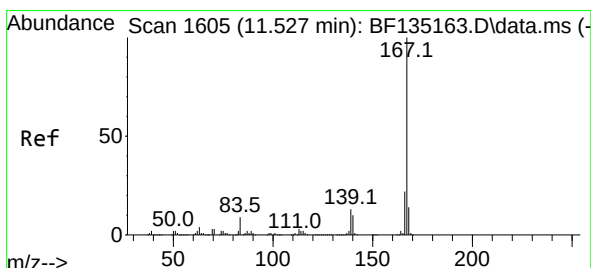
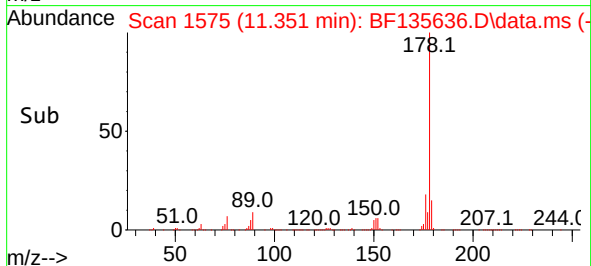
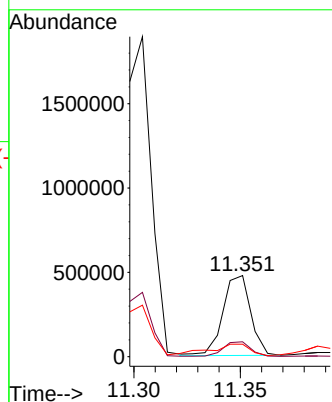
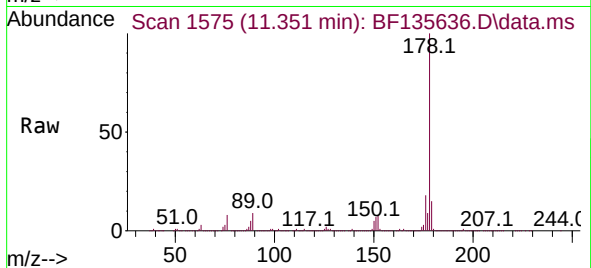
Tgt Ion:178 Resp: 429919

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.2

179 15.3 12.6 19.0



#73

Carbazole

Concen: 4.145 ng

RT: 11.510 min Scan# 1602

Delta R.T. 0.000 min

Lab File: BF135636.D

Acq: 06 Oct 2023 18:57

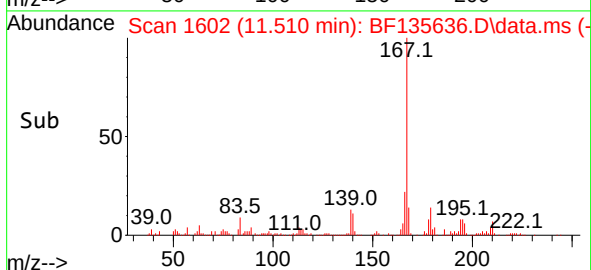
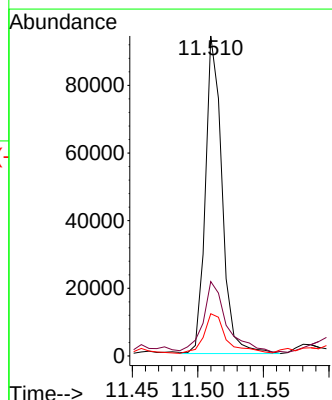
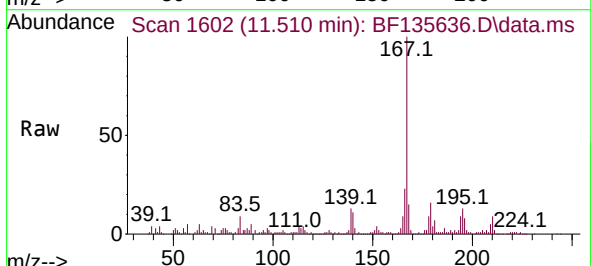
Tgt Ion:167 Resp: 83115

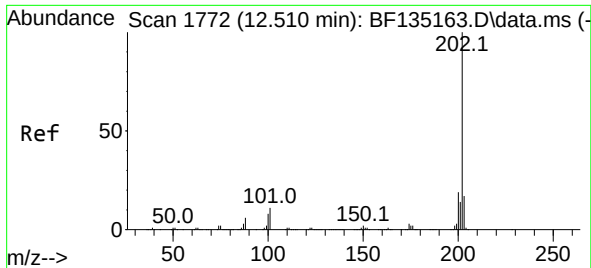
Ion Ratio Lower Upper

167 100

166 23.2 17.4 26.0

139 13.2 10.6 15.8

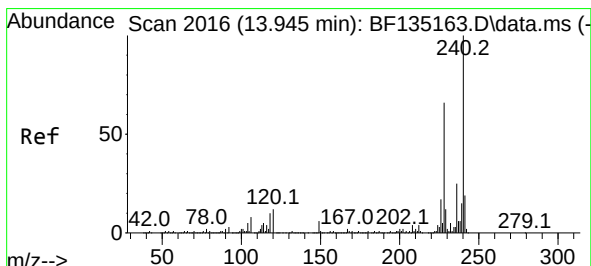
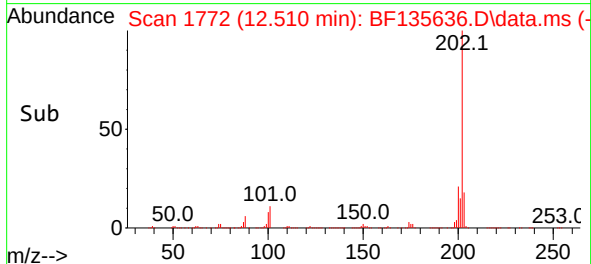
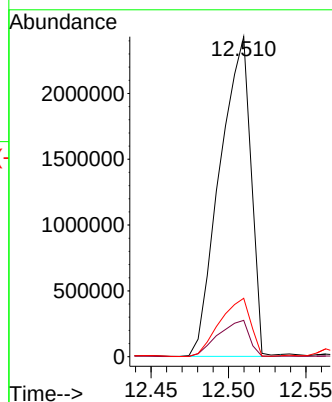
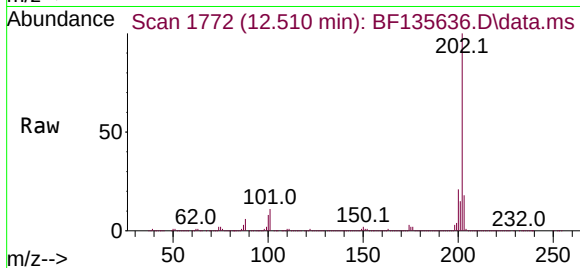




#75
Fluoranthene
Concen: 151.518 ng
RT: 12.510 min Scan# 11
Delta R.T. 0.024 min
Lab File: BF135636.D
Acq: 06 Oct 2023 18:57

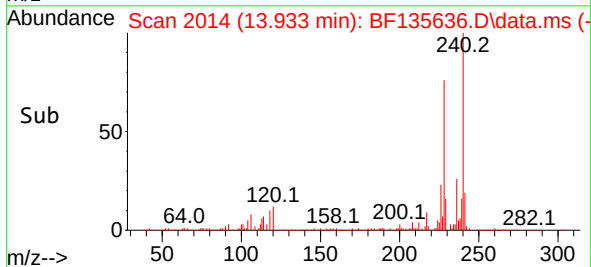
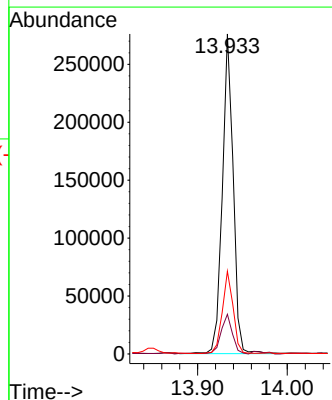
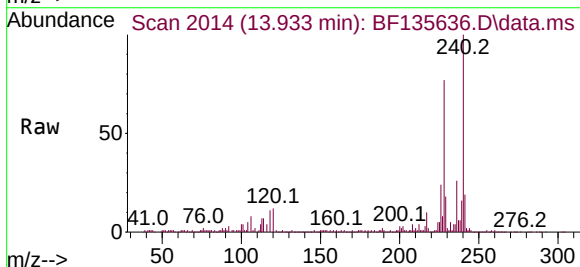
Instrument :
BNA_F
ClientSampleId :

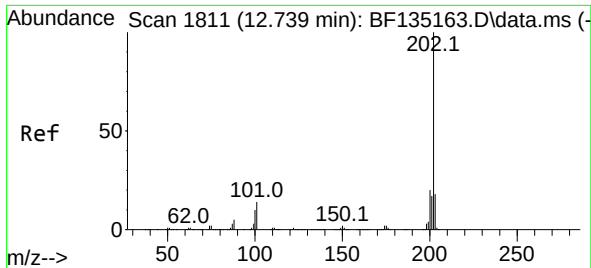
Tgt Ion:202 Resp: 3383144
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.3
203 18.2 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2014
Delta R.T. 0.006 min
Lab File: BF135636.D
Acq: 06 Oct 2023 18:57

Tgt Ion:240 Resp: 231534
Ion Ratio Lower Upper
240 100
120 12.4 9.4 14.2
236 25.8 19.8 29.8

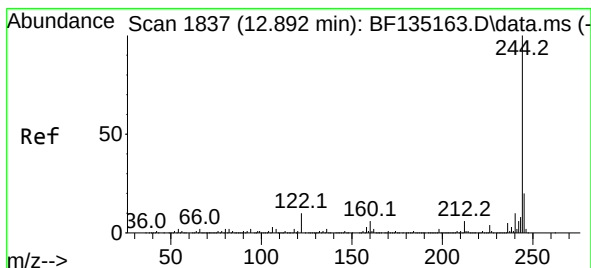
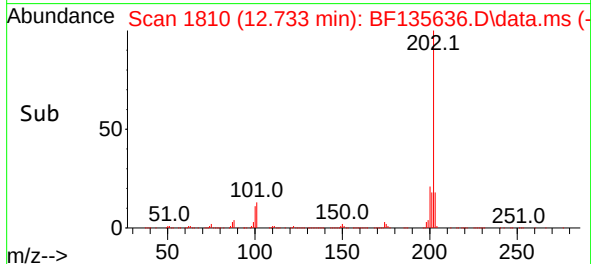
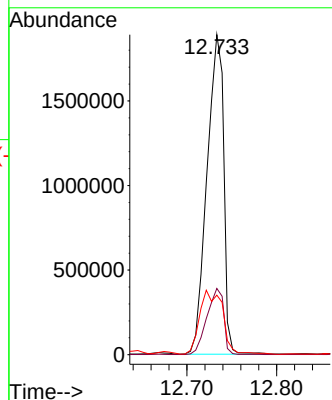
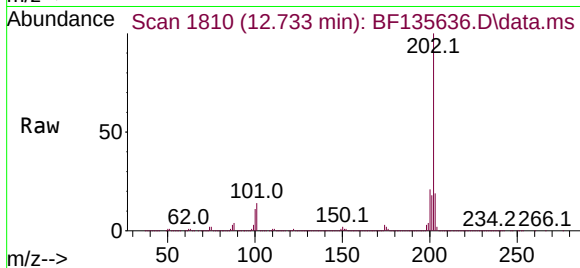




#78
Pyrene
Concen: 111.048 ng
RT: 12.733 min Scan# 1810
Delta R.T. 0.018 min
Lab File: BF135636.D
Acq: 06 Oct 2023 18:57

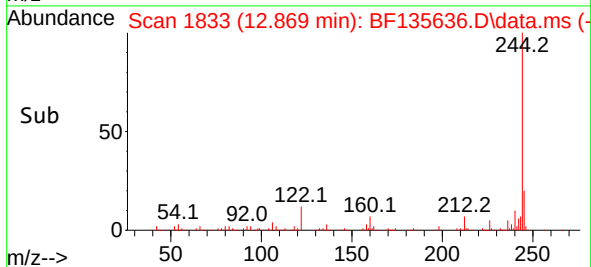
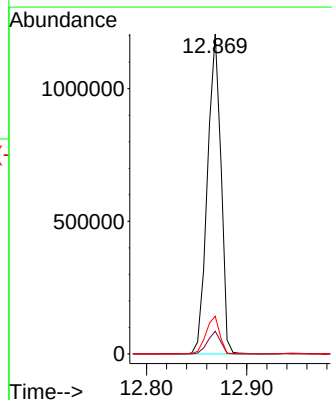
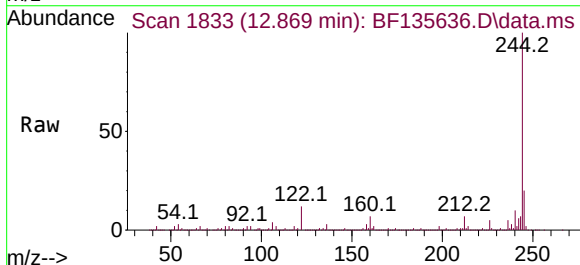
Instrument :
BNA_F
ClientSampleId :

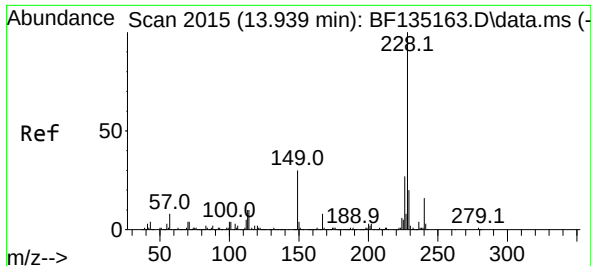
Tgt Ion:202 Resp: 2447923
Ion Ratio Lower Upper
202 100
200 20.7 16.2 24.2
203 18.6 14.2 21.4



#79
Terphenyl-d14
Concen: 75.968 ng
RT: 12.869 min Scan# 1833
Delta R.T. 0.006 min
Lab File: BF135636.D
Acq: 06 Oct 2023 18:57

Tgt Ion:244 Resp: 1134647
Ion Ratio Lower Upper
244 100
212 7.1 5.1 7.7
122 11.8 7.9 11.9

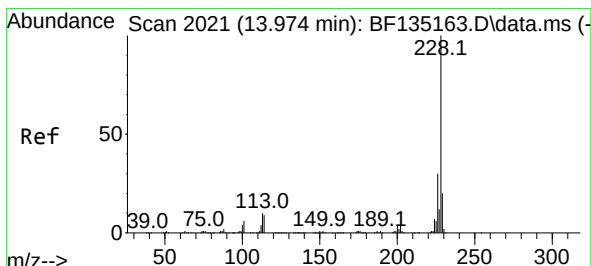
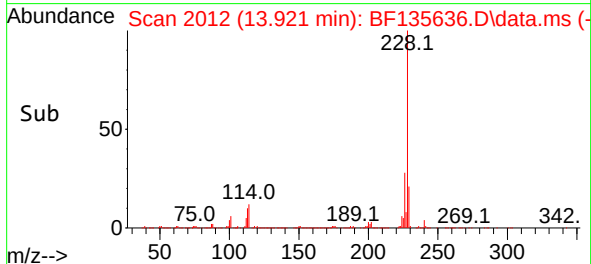
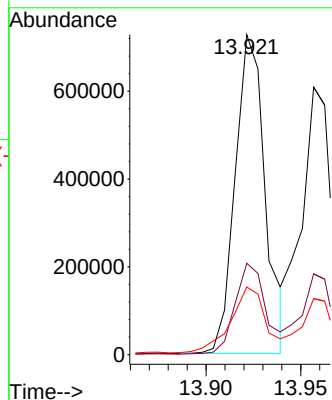
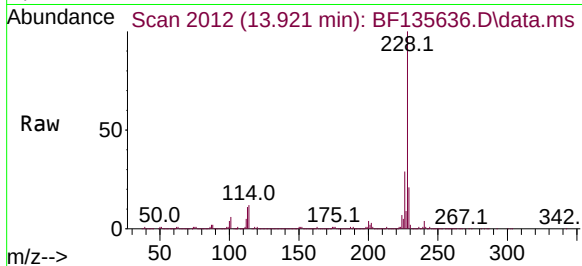




#81
Benzo(a)anthracene
Concen: 53.530 ng
RT: 13.921 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF135636.D
Acq: 06 Oct 2023 18:57

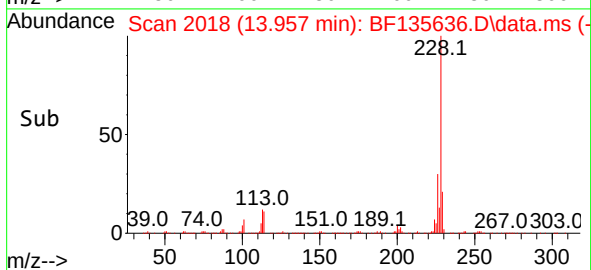
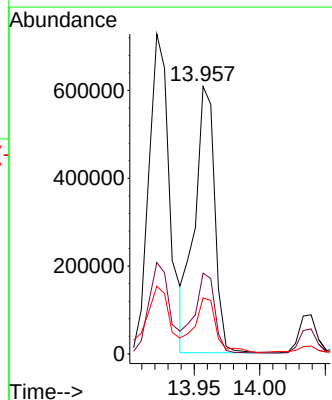
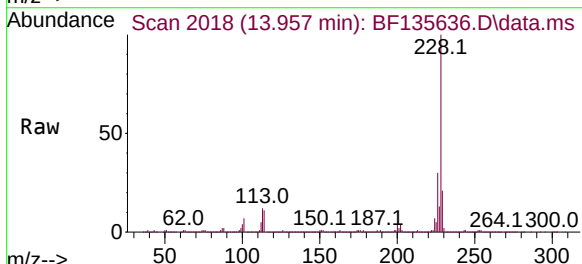
Instrument :
BNA_F
ClientSampleId :

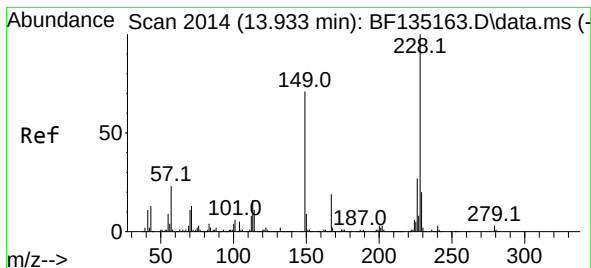
Tgt Ion:228 Resp: 800309
Ion Ratio Lower Upper
228 100
226 28.6 21.7 32.5
229 21.2 15.8 23.8



#83
Chrysene
Concen: 43.759 ng
RT: 13.957 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF135636.D
Acq: 06 Oct 2023 18:57

Tgt Ion:228 Resp: 650457
Ion Ratio Lower Upper
228 100
226 30.2 24.3 36.5
229 21.0 16.0 24.0

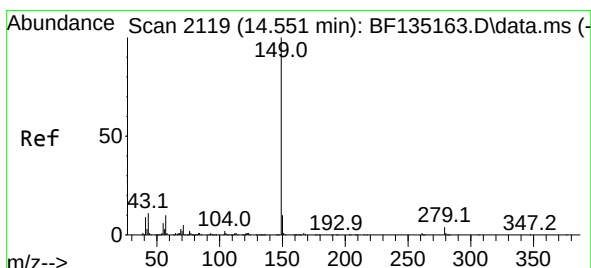
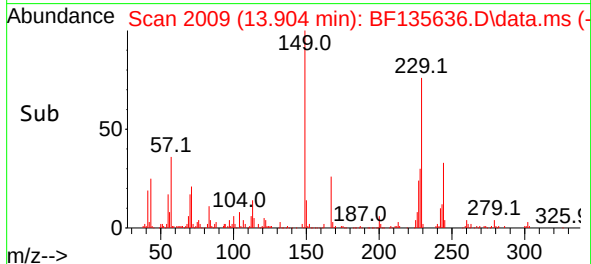
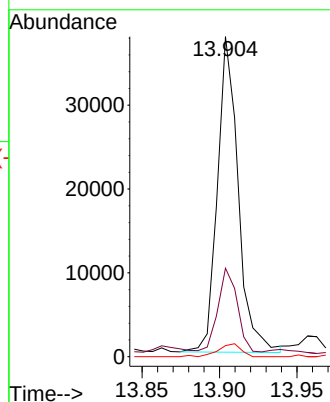
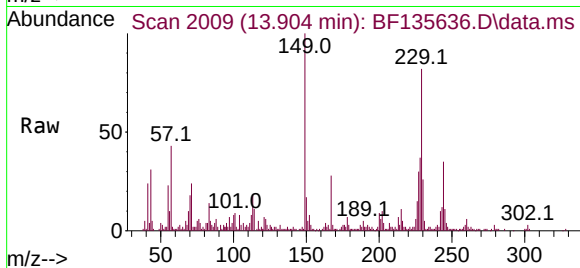




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.418 ng
 RT: 13.904 min Scan# 2014
 Delta R.T. 0.000 min
 Lab File: BF135636.D
 Acq: 06 Oct 2023 18:57

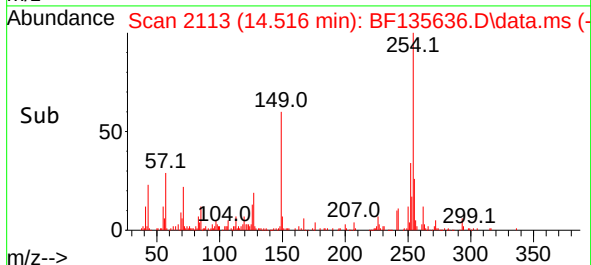
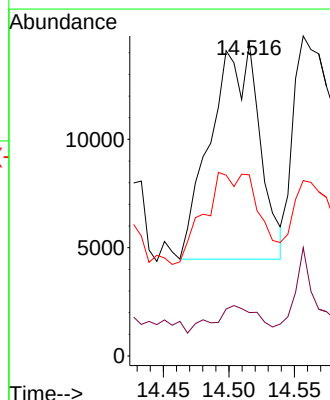
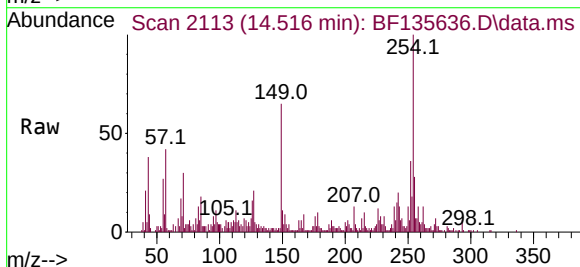
Instrument :
 BNA_F
 ClientSampleId :

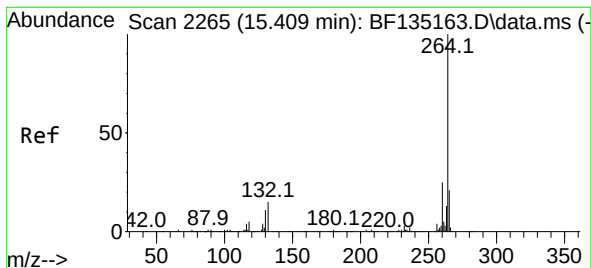
Tgt Ion:	149	Resp:	35183
Ion Ratio	Lower	Upper	
149	100		
167	27.6	21.9	32.9
279	3.5	3.3	4.9



#85
 Di-n-octyl phthalate
 Concen: 2.012 ng
 RT: 14.516 min Scan# 2113
 Delta R.T. -0.006 min
 Lab File: BF135636.D
 Acq: 06 Oct 2023 18:57

Tgt Ion:	149	Resp:	25464
Ion Ratio	Lower	Upper	
149	100		
167	11.4	1.1	1.7#
43	0.0	9.8	14.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.398 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF135636.D

Acq: 06 Oct 2023 18:57

Instrument :

BNA_F

ClientSampleId :

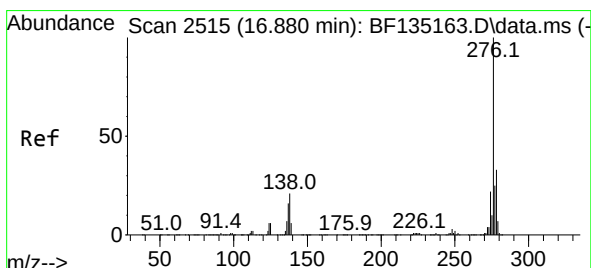
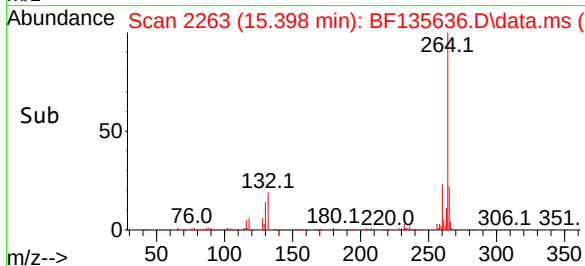
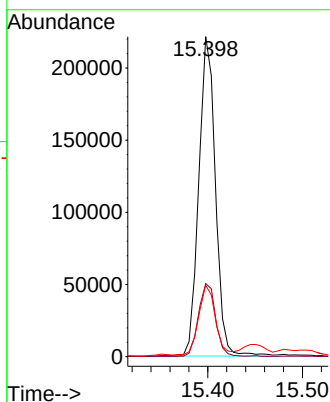
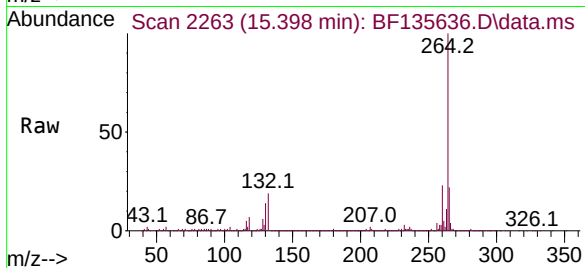
Tgt Ion:264 Resp: 271235

Ion Ratio Lower Upper

264 100

260 22.9 19.8 29.6

265 22.3 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.479 ng

RT: 16.880 min Scan# 2515

Delta R.T. 0.012 min

Lab File: BF135636.D

Acq: 06 Oct 2023 18:57

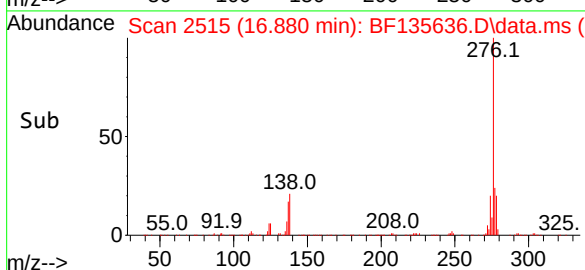
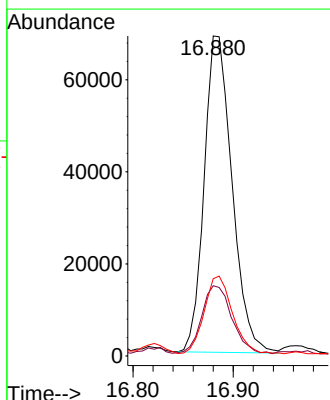
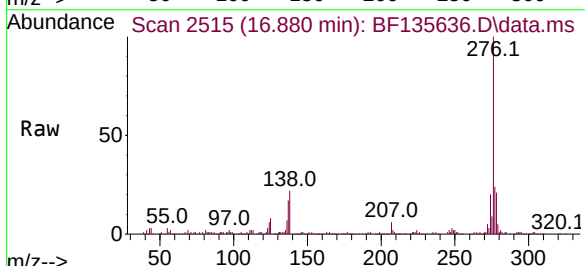
Tgt Ion:276 Resp: 133014

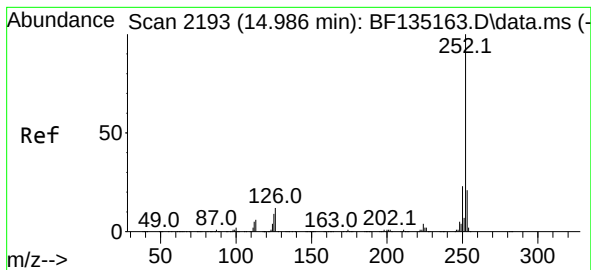
Ion Ratio Lower Upper

276 100

138 23.8 19.2 28.8

277 24.9 19.7 29.5





#88

Benzo(b)fluoranthene

Concen: 47.339 ng

RT: 14.974 min Scan# 2191

Delta R.T. 0.012 min

Lab File: BF135636.D

Acq: 06 Oct 2023 18:57

Instrument :

BNA_F

ClientSampleId :

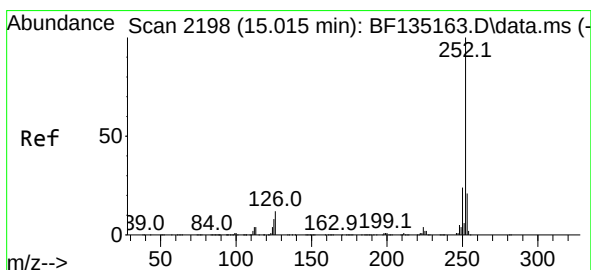
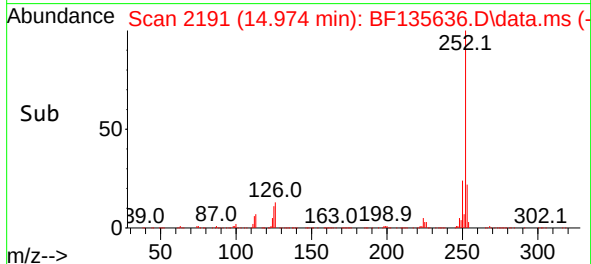
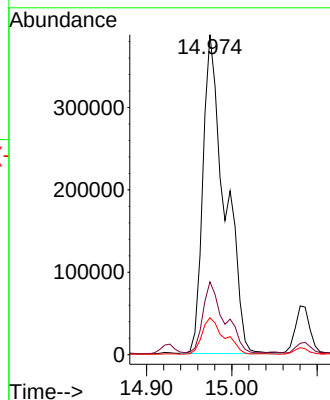
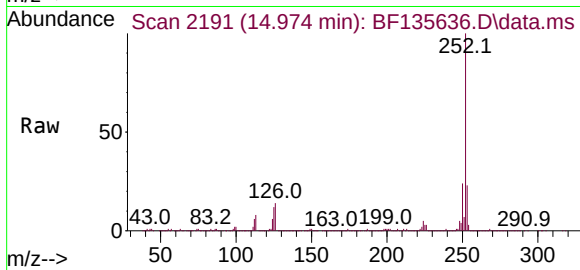
Tgt Ion:252 Resp: 695072

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

125 11.5 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 47.922 ng

RT: 14.974 min Scan# 2191

Delta R.T. -0.017 min

Lab File: BF135636.D

Acq: 06 Oct 2023 18:57

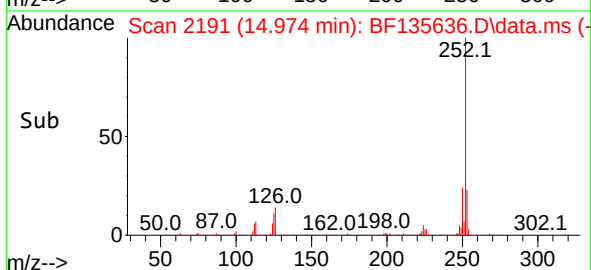
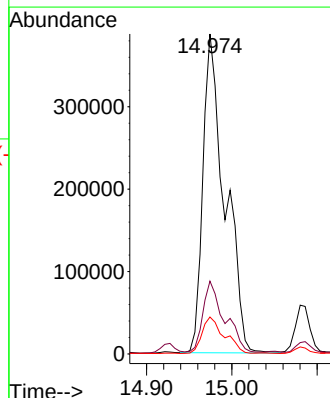
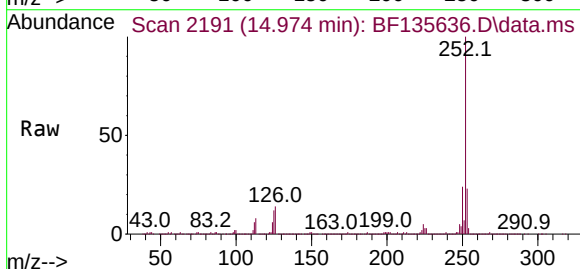
Tgt Ion:252 Resp: 695072

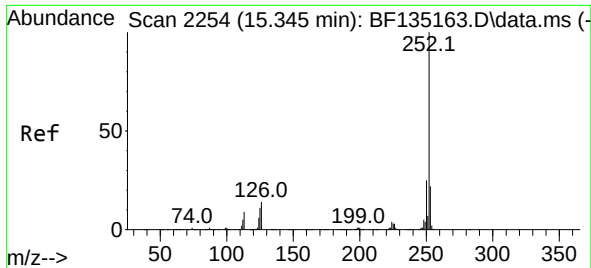
Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 11.5 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 22.511 ng

RT: 15.339 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF135636.D

Acq: 06 Oct 2023 18:57

Instrument :

BNA_F

ClientSampleId :

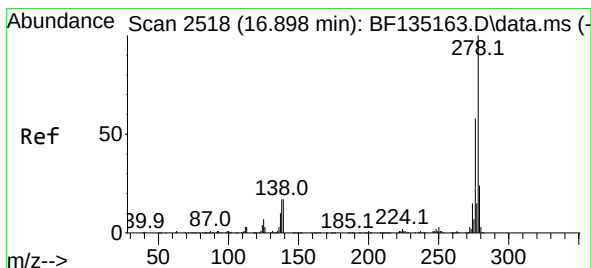
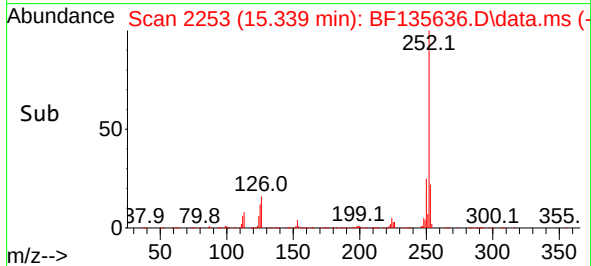
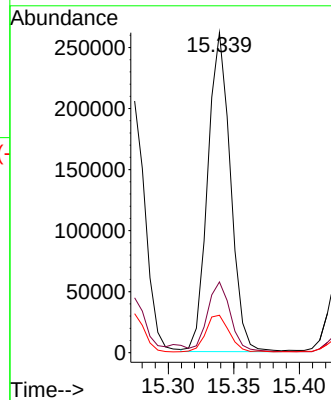
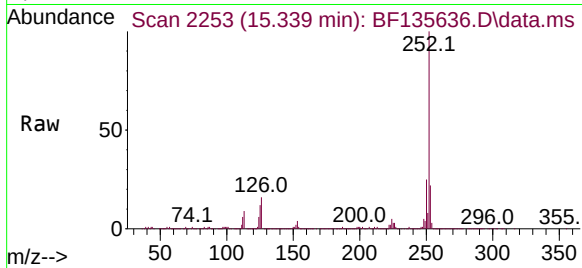
Tgt Ion:252 Resp: 315205

Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 11.7 9.2 13.8



#91

Dibenzo(a,h)anthracene

Concen: 2.569 ng

RT: 16.892 min Scan# 2517

Delta R.T. 0.012 min

Lab File: BF135636.D

Acq: 06 Oct 2023 18:57

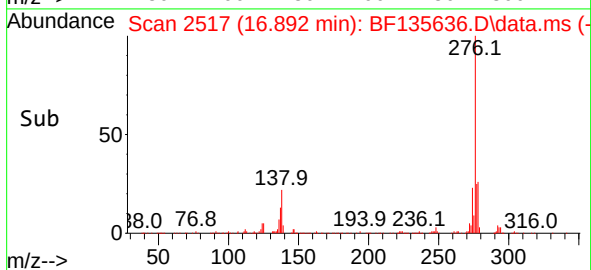
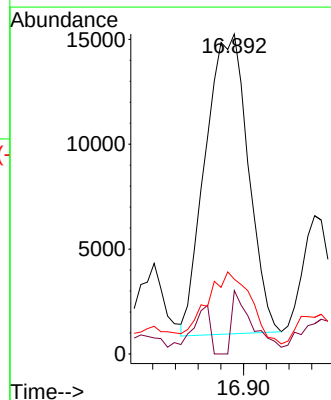
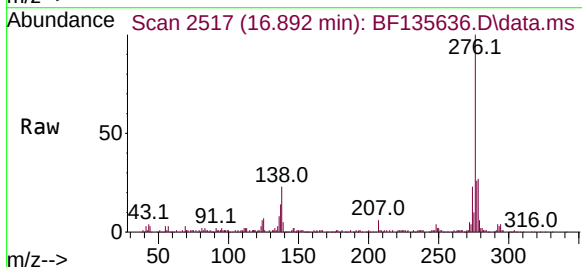
Tgt Ion:278 Resp: 37387

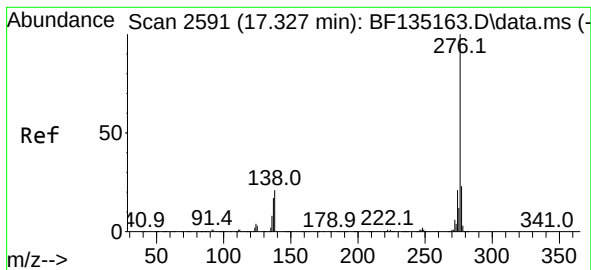
Ion Ratio Lower Upper

278 100

139 19.8 13.4 20.0

279 23.3 19.0 28.6





#92

Benzo(g,h,i)perylene

Concen: 7.601 ng

RT: 17.333 min Scan# 2

Delta R.T. 0.018 min

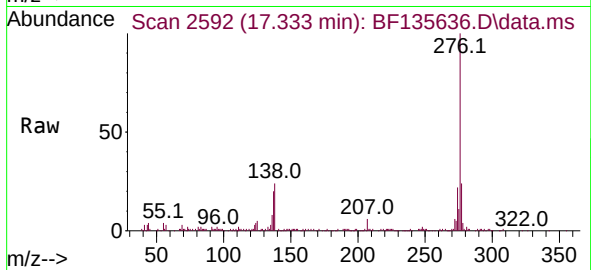
Lab File: BF135636.D

Acq: 06 Oct 2023 18:57

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:276 Resp: 115516

Ion Ratio Lower Upper

276 100

277 23.9 18.8 28.2

138 23.5 16.9 25.3

