

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101223\
 Data File : BF135735.D
 Acq On : 12 Oct 2023 15:25
 Operator : CG\JU
 Sample : 04817-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11930

Quant Time: Oct 12 19:05:58 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 11 02:43:17 2023
 Response via : Initial Calibration

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

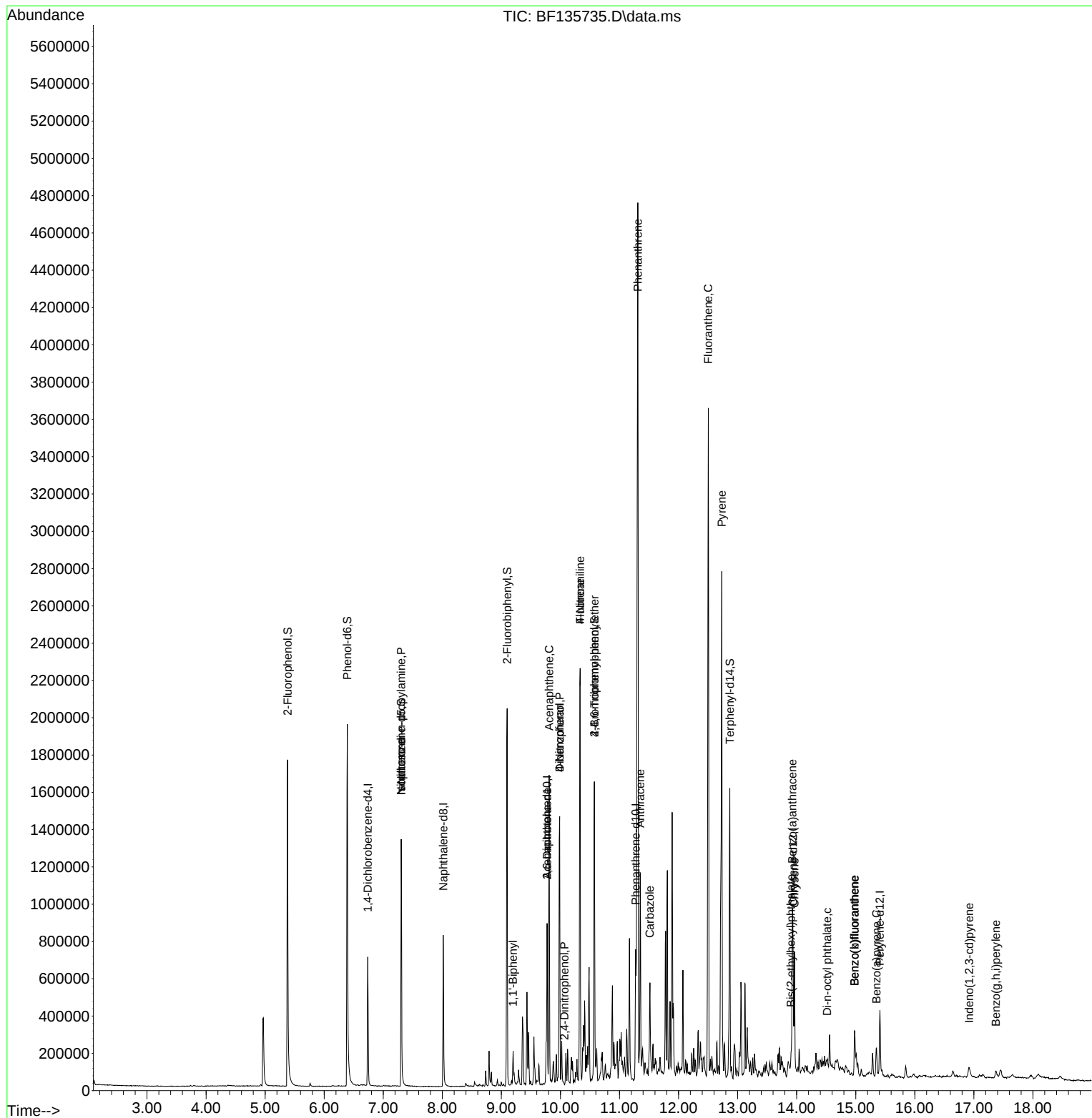
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	103139	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	345096	20.000	ng	0.00
39) Acenaphthene-d10	9.774	164	162930	20.000	ng	0.00
64) Phenanthrene-d10	11.274	188	287696	20.000	ng	0.00
76) Chrysene-d12	13.939	240	178418	20.000	ng	# 0.00
86) Perylene-d12	15.409	264	163599	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	529696	83.530	ng	0.01
7) Phenol-d6	6.392	99	694348	86.111	ng	0.00
23) Nitrobenzene-d5	7.304	82	400644	63.074	ng	0.00
42) 2,4,6-Tribromophenol	10.574	330	133807	82.641	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	646888	59.901	ng	0.00
79) Terphenyl-d14	12.868	244	523282	45.466	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	51787	10.369	ng	# 83
25) Isophorone	7.304	82	400644	34.349	ng	# 65
46) 1,1'-Biphenyl	9.198	154	52740	4.212	ng	99
51) 2,6-Dinitrotoluene	9.774	165	33130	13.729	ng	# 18
52) Acenaphthene	9.810	154	326716	36.631	ng	100
54) 2,4-Dinitrophenol	10.069	184	69	6.294	ng	# 26
55) Dibenzofuran	9.986	168	524734	38.554	ng	98
56) 4-Nitrophenol	9.986	139	196300	109.037	ng	# 4
58) Fluorene	10.333	166	676092	64.616	ng	99
62) 4-Nitroaniline	10.333	138	7203	2.645	ng	# 22
67) 4-Bromophenyl-phenylether	10.574	248	8525	2.979	ng	# 1
71) Phenanthrene	11.310	178	2320523	170.542	ng	99
72) Anthracene	11.351	178	398137	28.466	ng	99
73) Carbazole	11.516	167	177837	13.968	ng	100
75) Fluoranthene	12.504	202	1704246	120.202	ng	99
78) Pyrene	12.733	202	1201018	70.703	ng	99
81) Benzo(a)anthracene	13.927	228	300368	26.072	ng	99
83) Chrysene	13.962	228	225909	19.722	ng	99
84) Bis(2-ethylhexyl)phtha...	13.904	149	18484	3.012	ng	97
85) Di-n-octyl phthalate	14.515	149	20652	2.117	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.921	276	35508	3.310	ng	93
88) Benzo(b)fluoranthene	14.980	252	179408	20.258	ng	# 98
89) Benzo(k)fluoranthene	14.980	252	179408	20.508	ng	# 98
90) Benzo(a)pyrene	15.351	252	76892	9.104	ng	99
92) Benzo(g,h,i)perylene	17.374	276	33027	3.603	ng	97

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

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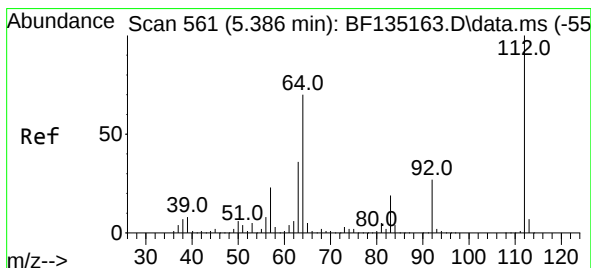
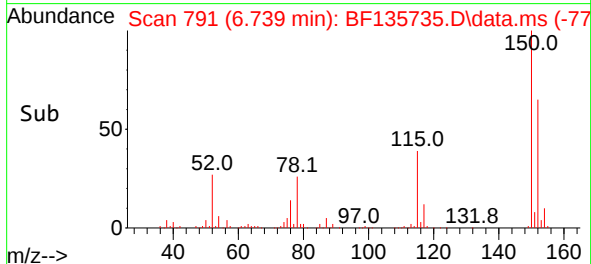
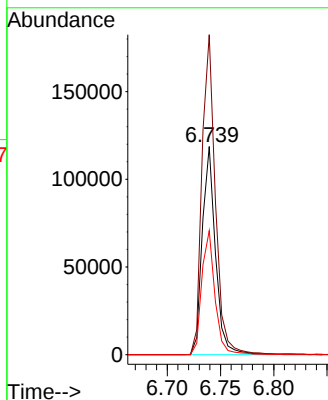
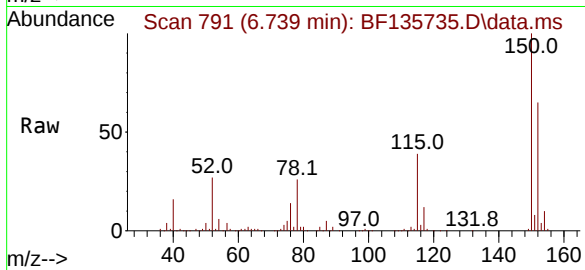




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25

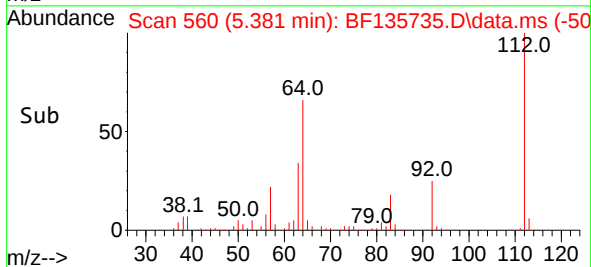
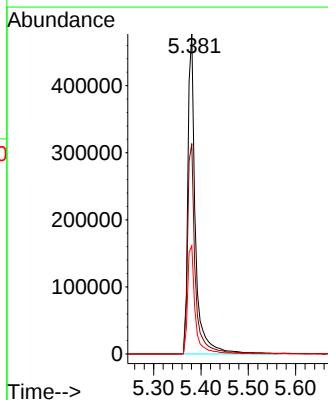
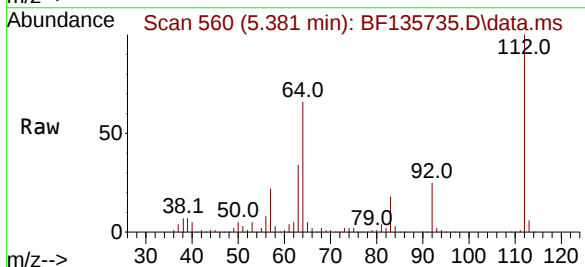
Instrument :
BNA_F
ClientSampleId :
72-11930

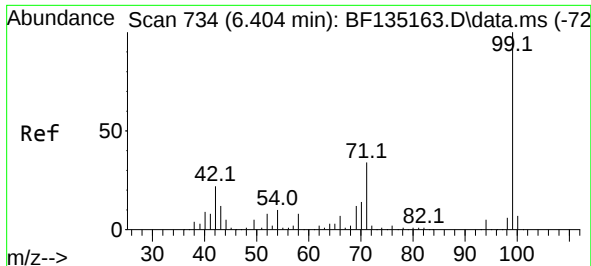
Tgt Ion:152 Resp: 103139
Ion Ratio Lower Upper
152 100
150 153.8 127.8 191.6
115 59.6 49.8 74.8



#5
2-Fluorophenol
Concen: 83.530 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.012 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25

Tgt Ion:112 Resp: 529696
Ion Ratio Lower Upper
112 100
64 65.7 55.9 83.9
63 33.8 29.0 43.6

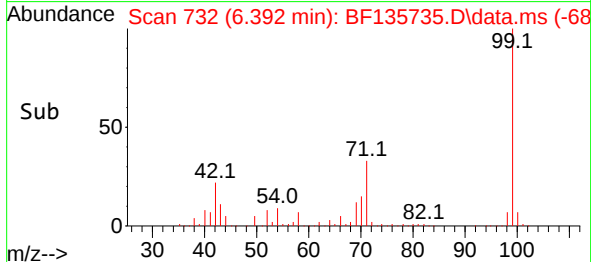
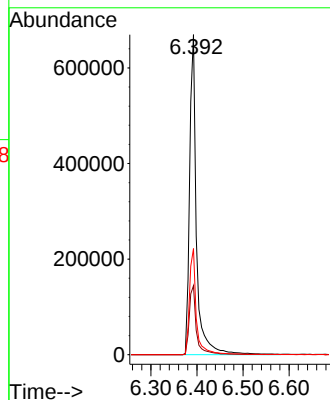
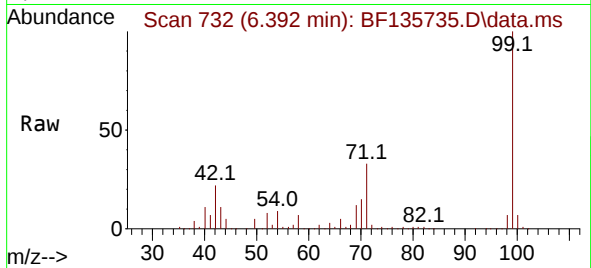




#7
Phenol-d6
Concen: 86.111 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25

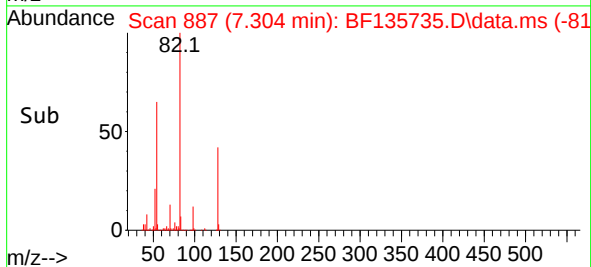
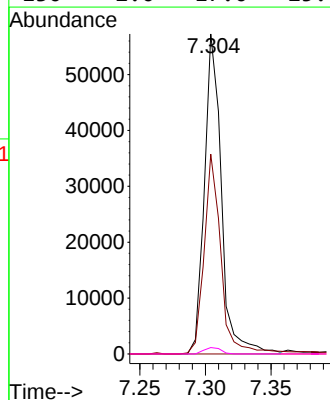
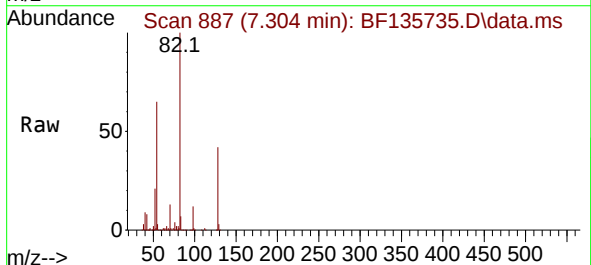
Instrument :
BNA_F
ClientSampleId :
72-11930

Tgt Ion: 99 Resp: 694348
Ion Ratio Lower Upper
99 100
42 21.5 17.9 26.9
71 33.2 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 10.369 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25

Tgt Ion: 70 Resp: 51787
Ion Ratio Lower Upper
70 100
42 62.5 55.4 83.0
101 0.0 7.7 11.5#
130 2.0 17.0 25.6#

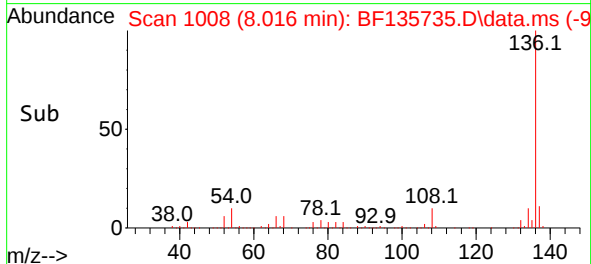
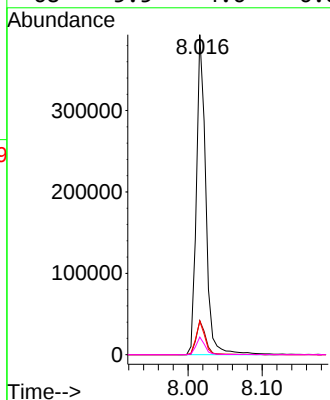
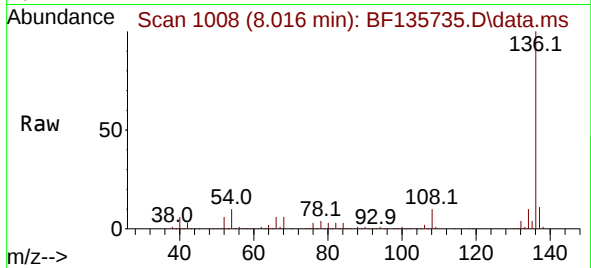




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25

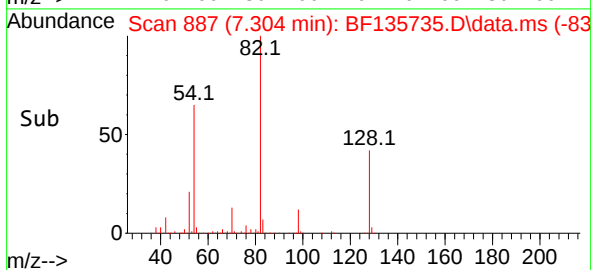
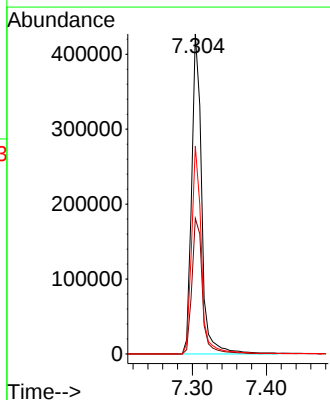
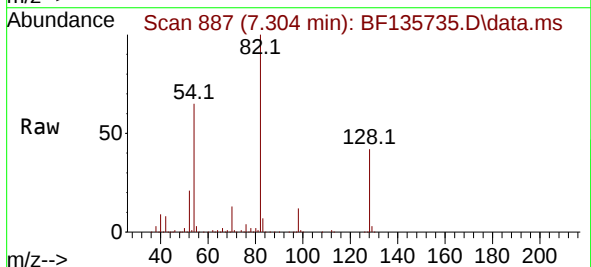
Instrument :
BNA_F
ClientSampleId :
72-11930

Tgt Ion:136	Resp: 345096
Ion Ratio	Lower Upper
136	100
137	10.7 8.8 13.2
54	10.4 7.7 11.5
68	5.5 4.6 6.8



#23
Nitrobenzene-d5
Concen: 63.074 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25

Tgt Ion: 82	Resp: 400644
Ion Ratio	Lower Upper
82	100
128	42.3 35.8 53.6
54	65.0 50.6 76.0

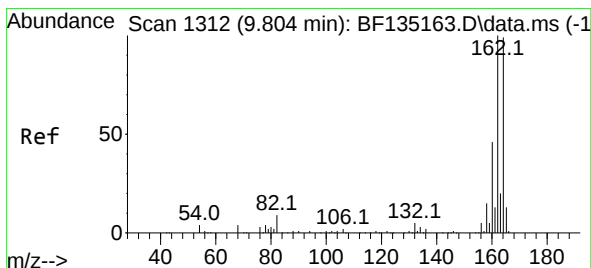
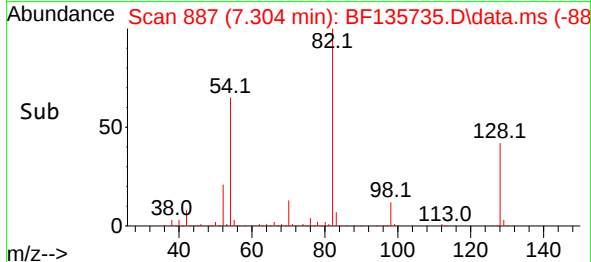
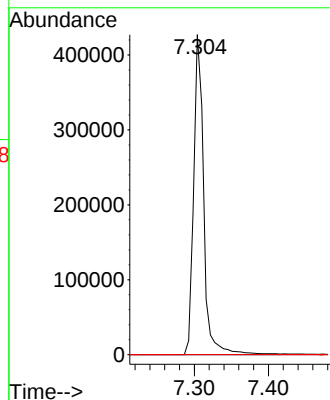
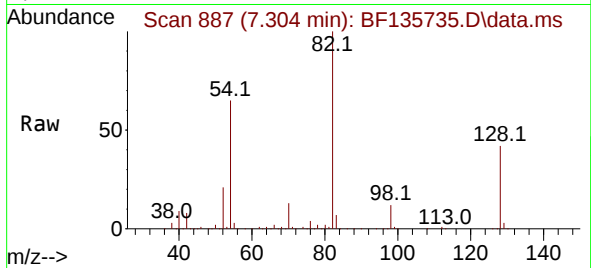




#25
Isophorone
Concen: 34.349 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25

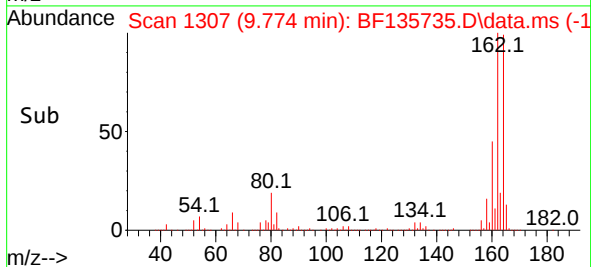
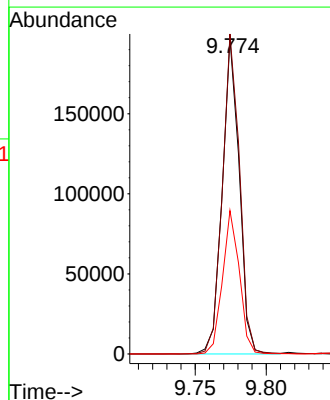
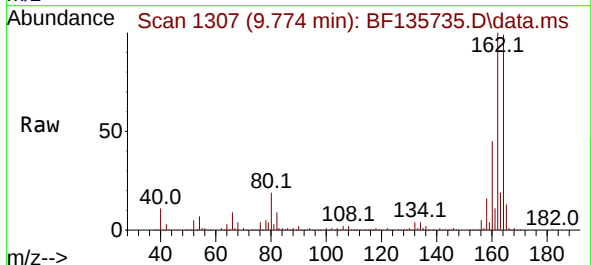
Instrument :
BNA_F
ClientSampleId :
72-11930

Tgt Ion: 82 Resp: 400644
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: 9.774 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25

Tgt Ion:164 Resp: 162930
Ion Ratio Lower Upper
164 100
162 101.4 81.0 121.4
160 45.4 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 82.641 ng

RT: 10.574 min Scan# 1443

Delta R.T. -0.000 min

Lab File: BF135735.D

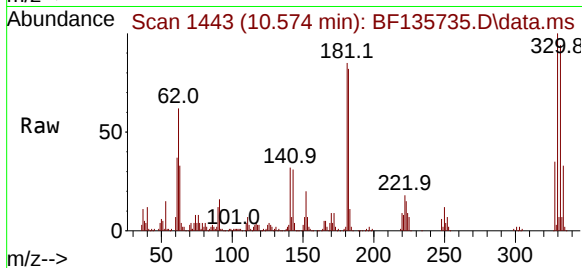
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Instrument :

BNA_F

ClientSampleId :

72-11930



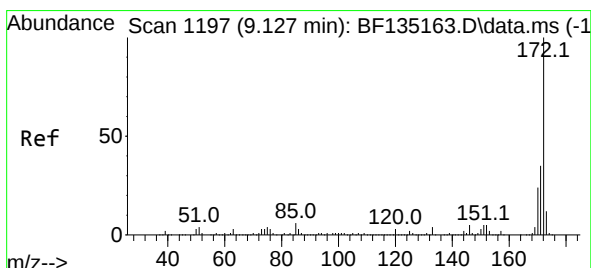
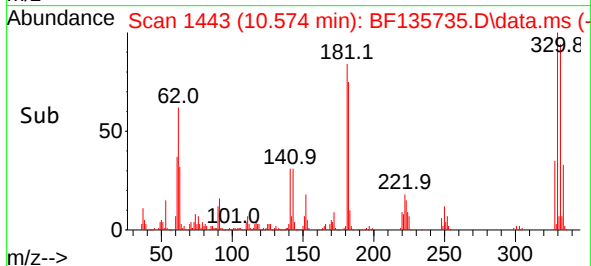
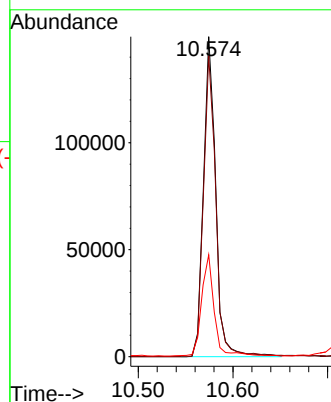
Tgt Ion:330 Resp: 133807

Ion Ratio Lower Upper

330 100

332 95.9 77.3 115.9

141 32.6 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 59.901 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.000 min

Lab File: BF135735.D

Acq: 12 Oct 2023 15:25

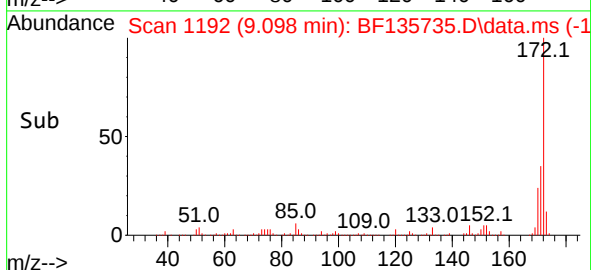
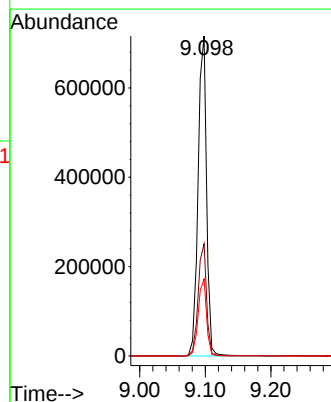
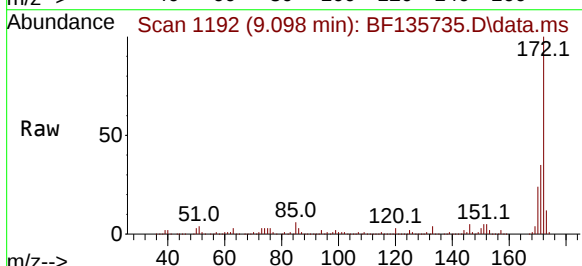
Tgt Ion:172 Resp: 646888

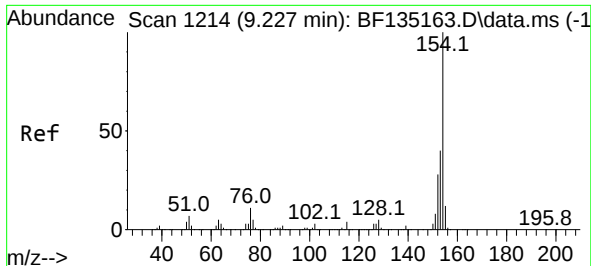
Ion Ratio Lower Upper

172 100

171 35.1 28.4 42.6

170 24.1 19.0 28.4

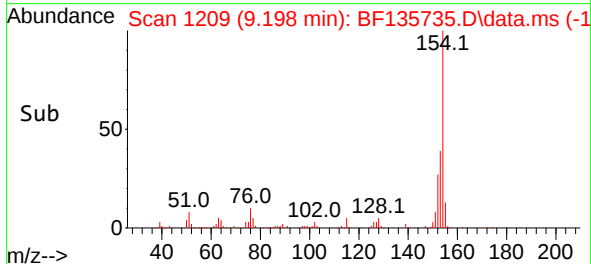
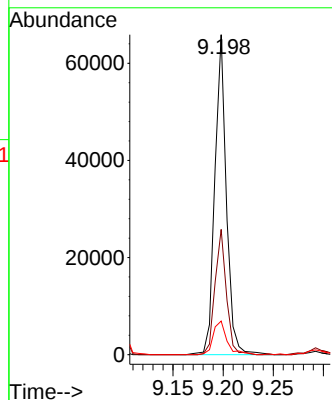
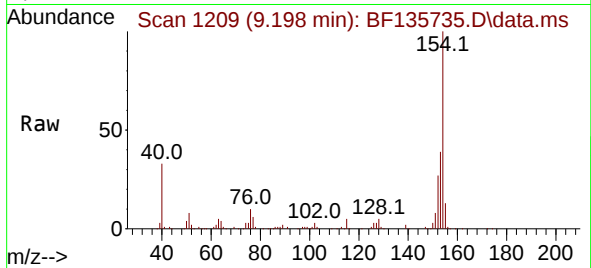




#46
1,1'-Biphenyl
Concen: 4.212 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25

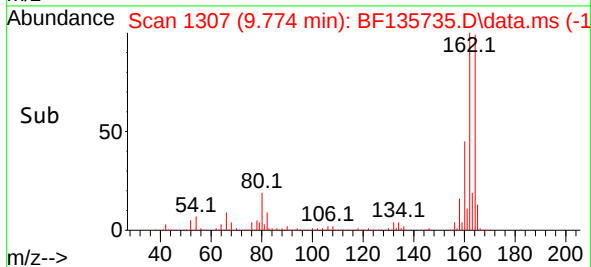
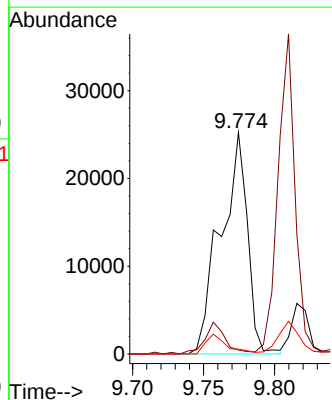
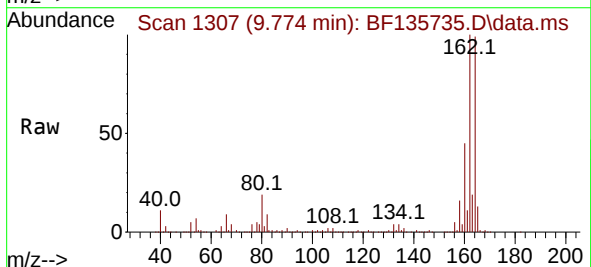
Instrument :
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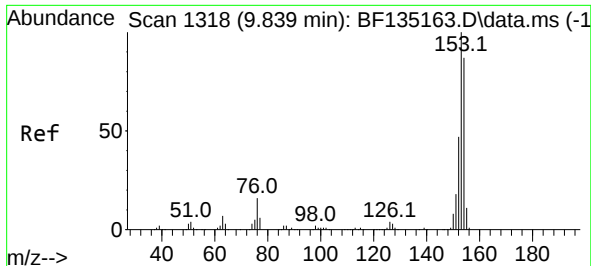
Tgt Ion:154 Resp: 52740
Ion Ratio Lower Upper
154 100
153 39.1 19.6 59.6
76 10.5 0.0 31.0



#51
2,6-Dinitrotoluene
Concen: 13.729 ng
RT: 9.774 min Scan# 1307
Delta R.T. 0.194 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25

Tgt Ion:165 Resp: 33130
Ion Ratio Lower Upper
165 100
63 1.8 59.4 89.2#
89 2.2 49.8 74.8#

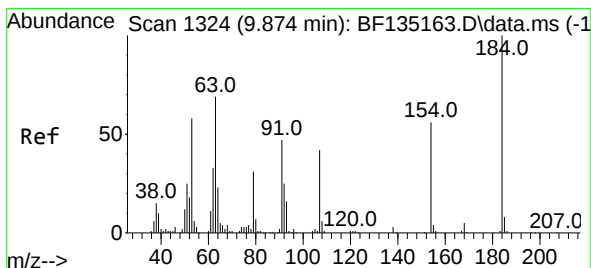
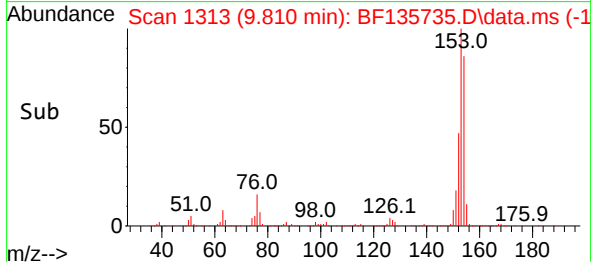
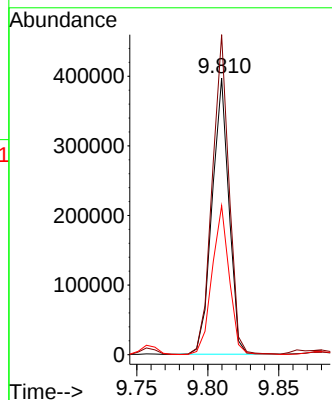
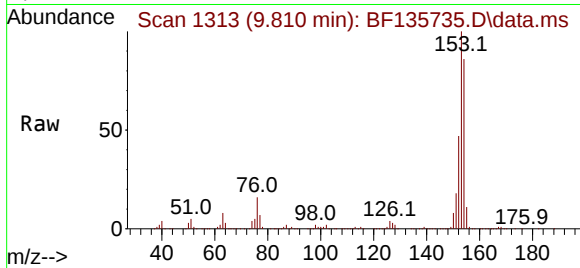




#52
Acenaphthene
Concen: 36.631 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25

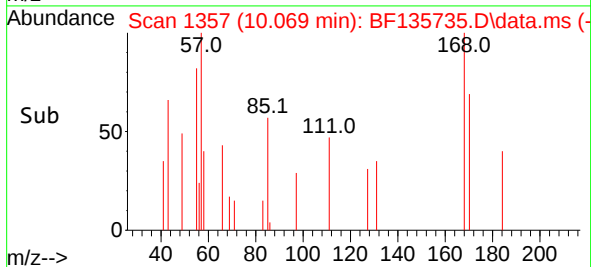
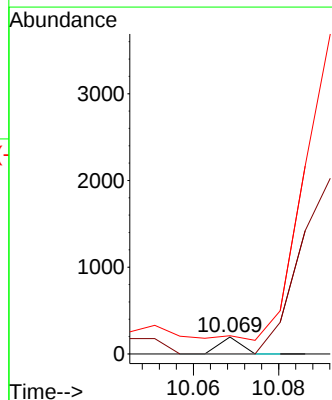
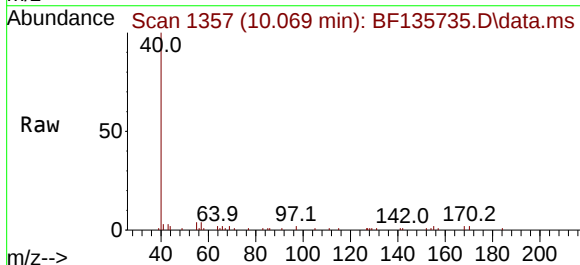
Instrument :
BNA_F
ClientSampleId :
72-11930

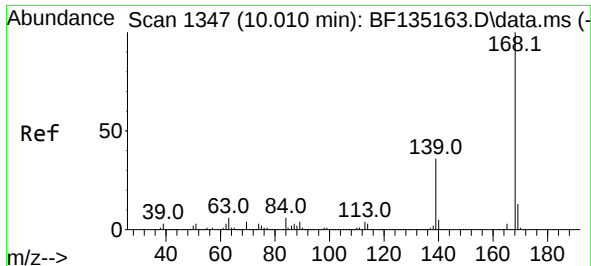
Tgt Ion:154 Resp: 326716
Ion Ratio Lower Upper
154 100
153 115.6 92.1 138.1
152 53.8 43.1 64.7



#54
2,4-Dinitrophenol
Concen: 6.294 ng
RT: 10.069 min Scan# 1357
Delta R.T. 0.194 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25

Tgt Ion:184 Resp: 69
Ion Ratio Lower Upper
184 100
63 0.0 55.1 82.7#
154 107.7 48.4 72.6#

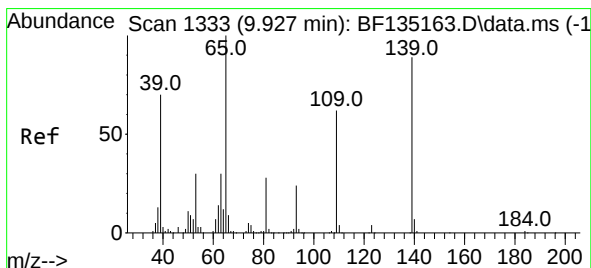
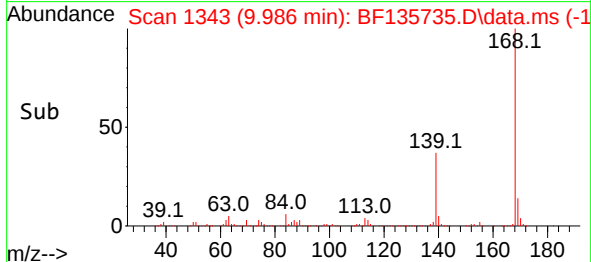
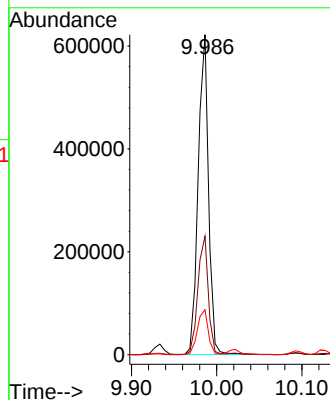
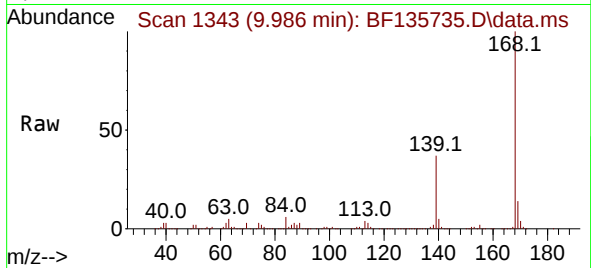




#55
Dibenzenofuran
Concen: 38.554 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.000 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25

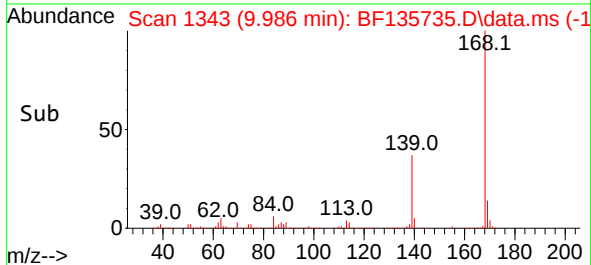
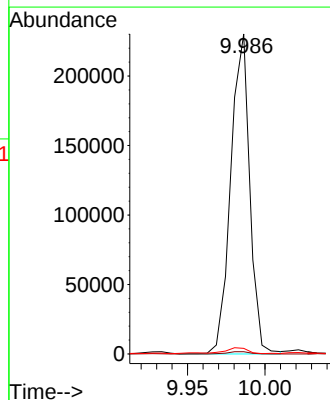
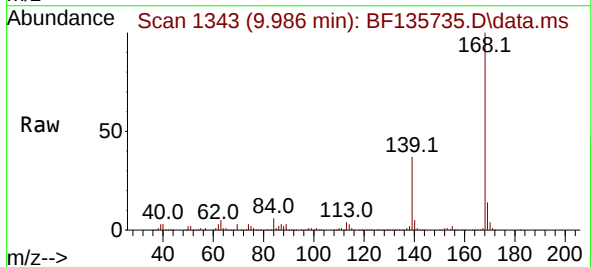
Instrument :
BNA_F
ClientSampleId :
72-11930

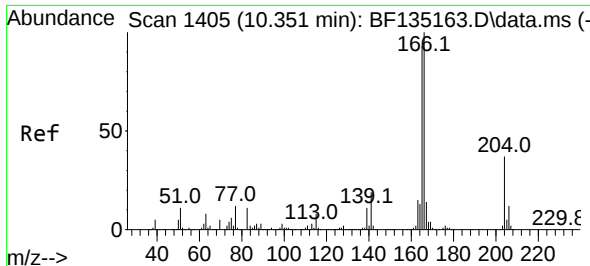
Tgt	Ion:168	Resp:	524734
Ion	Ratio	Lower	Upper
168	100		
139	37.0	29.0	43.6
169	14.1	10.4	15.6



#56
4-Nitrophenol
Concen: 109.037 ng
RT: 9.986 min Scan# 1343
Delta R.T. 0.047 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25

Tgt Ion:139	Resp: 196300
Ion Ratio	Lower Upper
139 100	
109 0.7	49.8 89.8#
65 1.7	92.7 132.7#

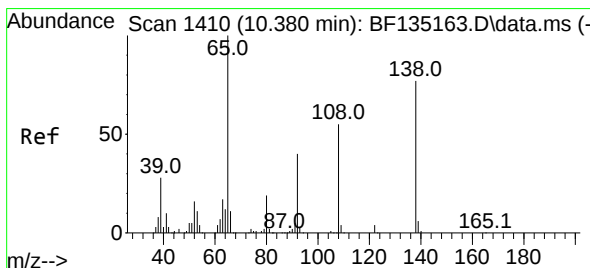
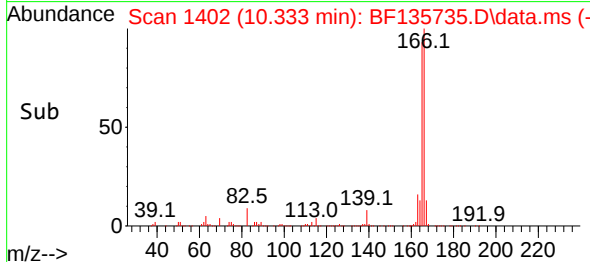
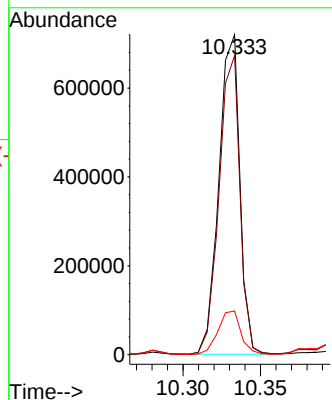
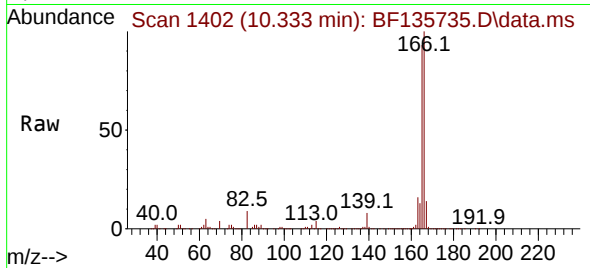




#58
Fluorene
Concen: 64.616 ng
RT: 10.333 min Scan# 1402
Delta R.T. -0.000 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25

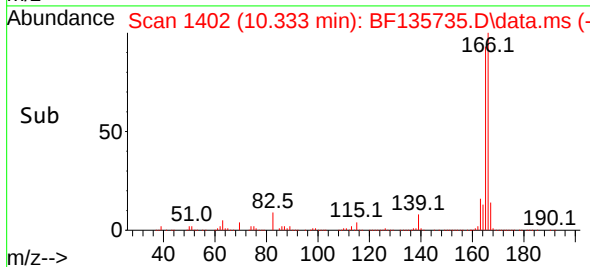
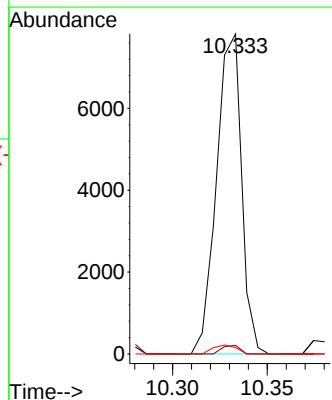
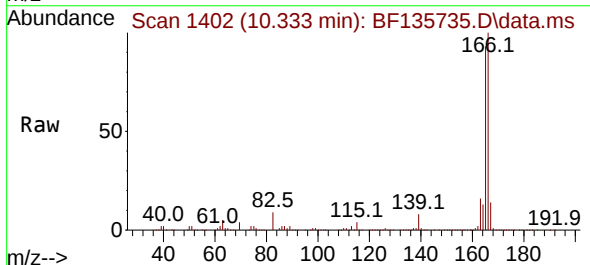
Instrument :
BNA_F
ClientSampleId :
72-11930

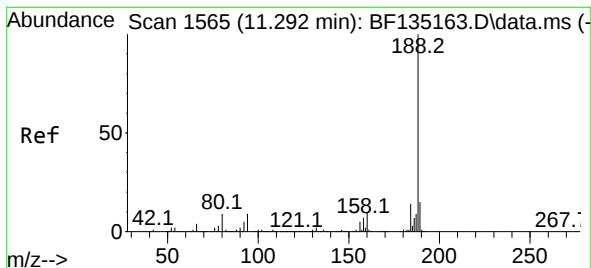
Tgt Ion:166 Resp: 676092
Ion Ratio Lower Upper
166 100
165 93.5 74.3 111.5
167 13.7 10.9 16.3



#62
4-Nitroaniline
Concen: 2.645 ng
RT: 10.333 min Scan# 1402
Delta R.T. -0.035 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25

Tgt Ion:138 Resp: 7203
Ion Ratio Lower Upper
138 100
92 2.7 31.8 71.8#
108 2.0 52.0 92.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.274 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF135735.D

Acq: 12 Oct 2023 15:25

Instrument :

BNA_F

ClientSampleId :

72-11930

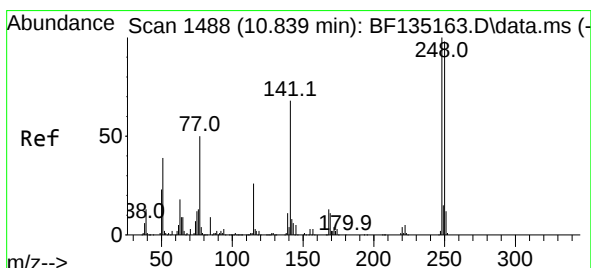
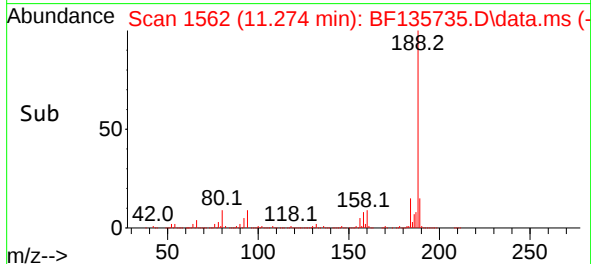
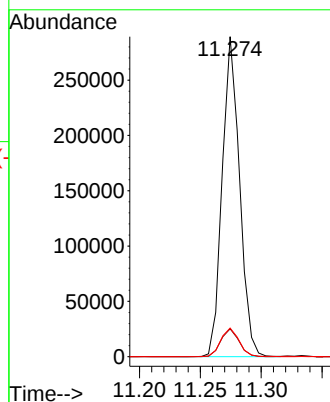
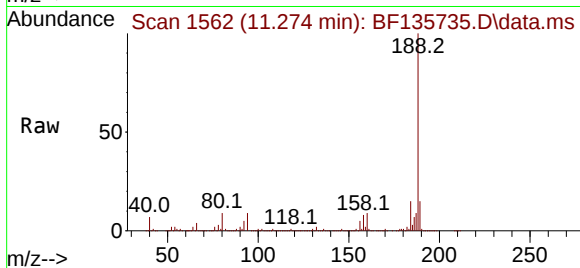
Tgt Ion:188 Resp: 287696

Ion Ratio Lower Upper

188 100

94 8.7 7.0 10.6

80 8.9 7.5 11.3



#67

4-Bromophenyl-phenylether

Concen: 2.979 ng

RT: 10.574 min Scan# 1443

Delta R.T. -0.241 min

Lab File: BF135735.D

Acq: 12 Oct 2023 15:25

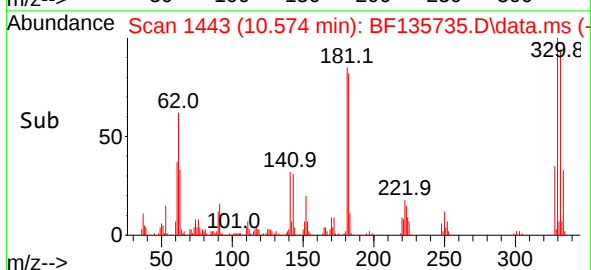
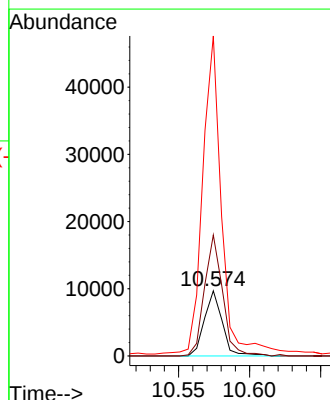
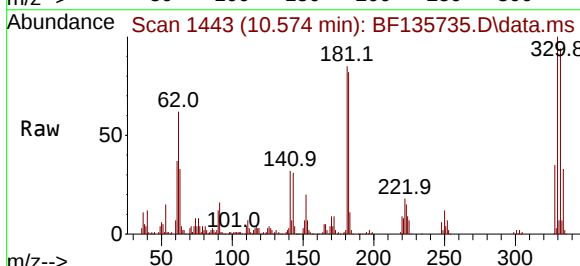
Tgt Ion:248 Resp: 8525

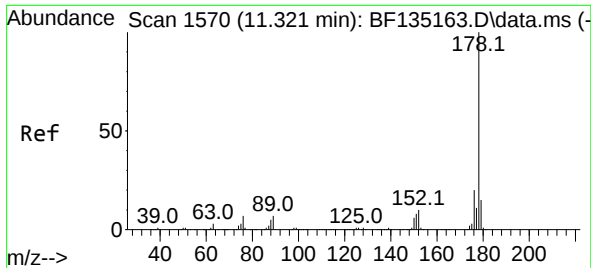
Ion Ratio Lower Upper

248 100

250 185.7 78.6 117.8#

141 491.0 54.2 81.2#

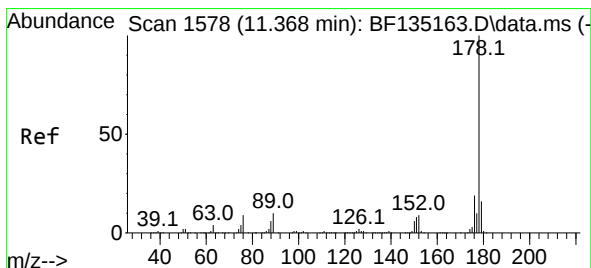
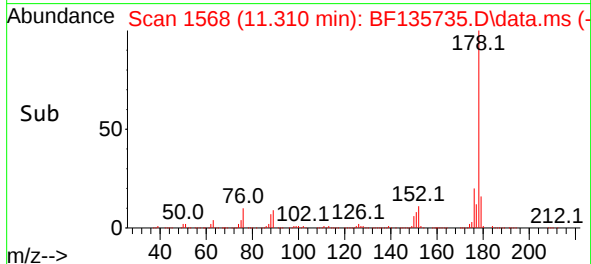
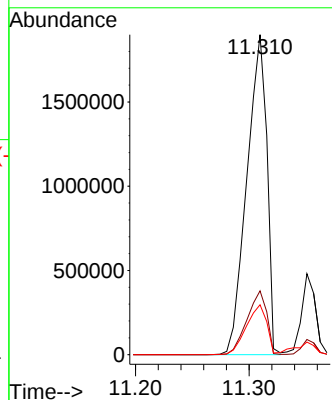
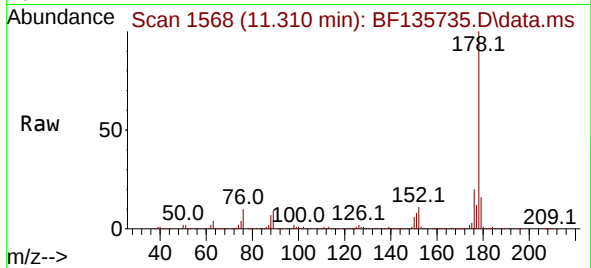




#71
Phenanthrene
Concen: 170.542 ng
RT: 11.310 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25

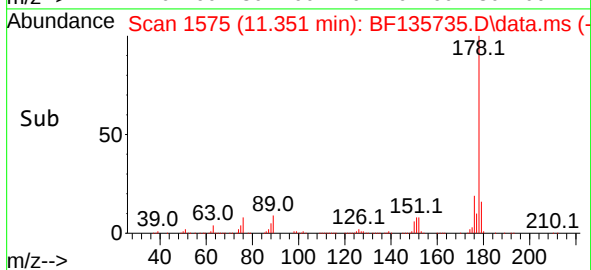
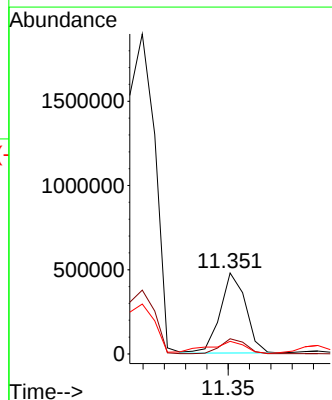
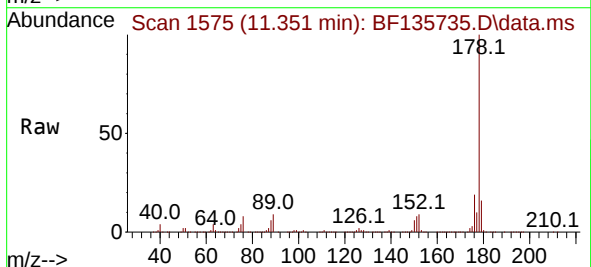
Instrument :
BNA_F
ClientSampleId :
72-11930

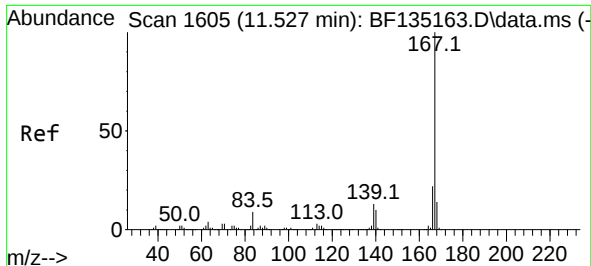
Tgt Ion:178 Resp: 2320523
Ion Ratio Lower Upper
178 100
176 20.0 15.6 23.4
179 15.6 12.0 18.0



#72
Anthracene
Concen: 28.466 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25

Tgt Ion:178 Resp: 398137
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 15.6 12.6 19.0

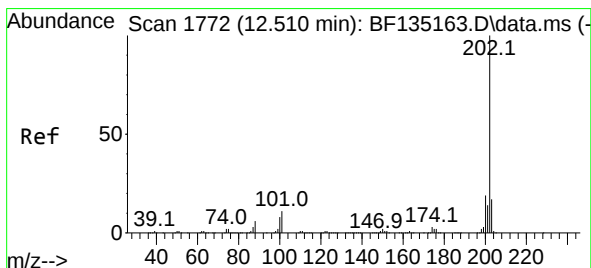
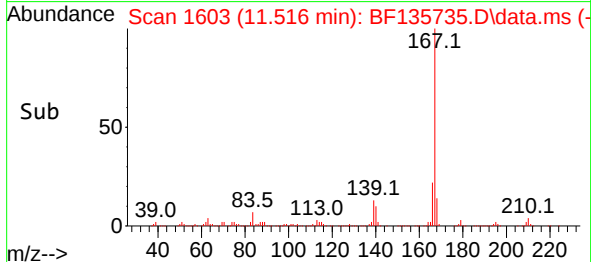
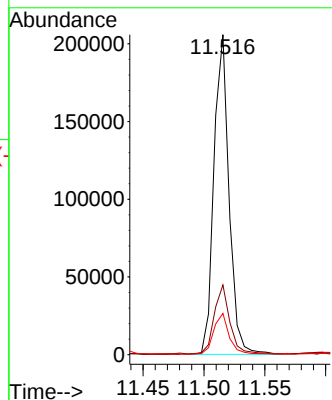
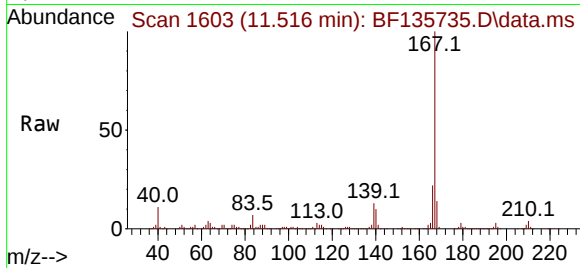




#73
 Carbazole
 Concen: 13.968 ng
 RT: 11.516 min Scan# 1603
 Delta R.T. -0.000 min
 Lab File: BF135735.D
 Acq: 12 Oct 2023 15:25

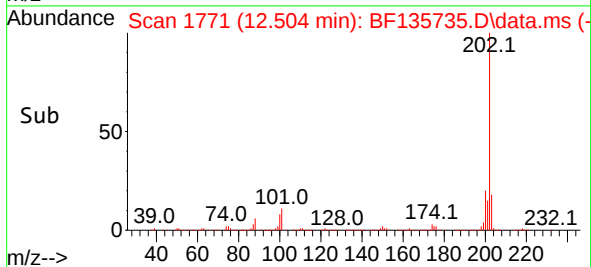
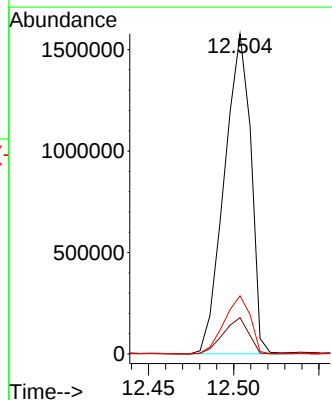
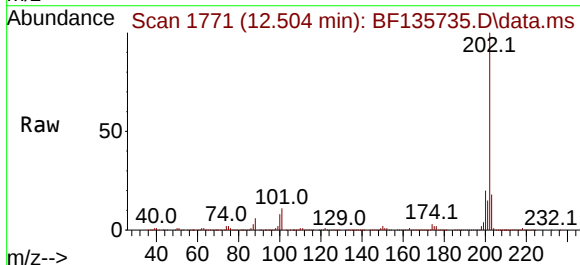
Instrument :
 BNA_F
 ClientSampleId :
 72-11930

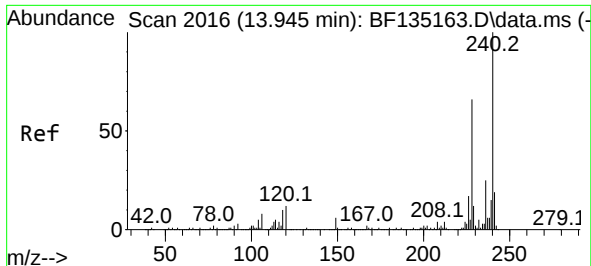
Tgt Ion:167 Resp: 177837
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.4 26.0
 139 12.9 10.6 15.8



#75
 Fluoranthene
 Concen: 120.202 ng
 RT: 12.504 min Scan# 1771
 Delta R.T. 0.006 min
 Lab File: BF135735.D
 Acq: 12 Oct 2023 15:25

Tgt Ion:202 Resp: 1704246
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 31.3
 203 18.2 0.0 37.4

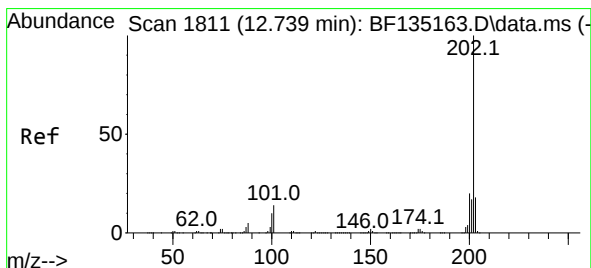
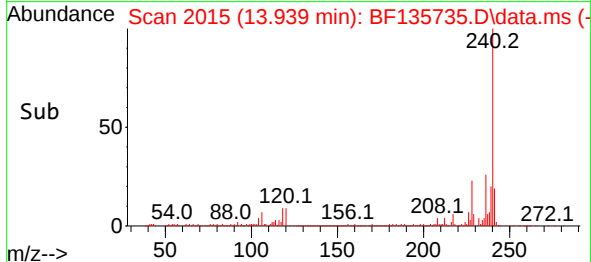
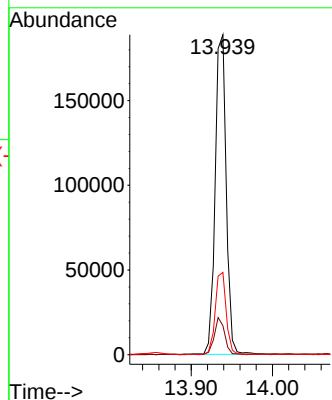
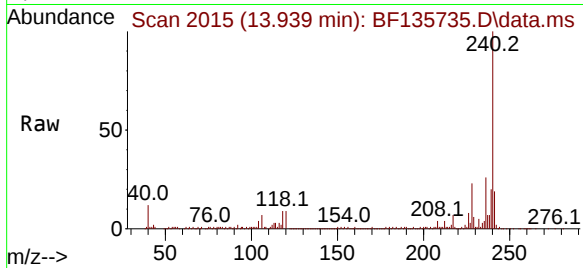




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25

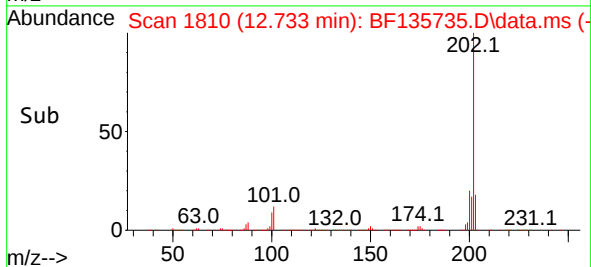
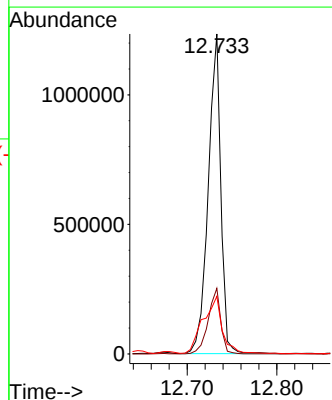
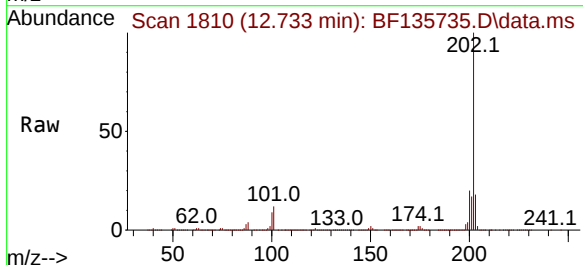
Instrument :
BNA_F
ClientSampleId :
72-11930

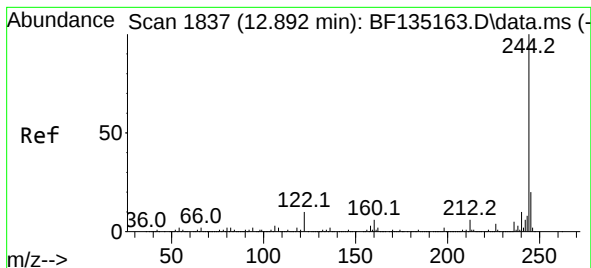
Tgt Ion:240 Resp: 178418
Ion Ratio Lower Upper
240 100
120 9.1 9.4 14.2#
236 25.7 19.8 29.8



#78
Pyrene
Concen: 70.703 ng
RT: 12.733 min Scan# 1810
Delta R.T. 0.006 min
Lab File: BF135735.D
Acq: 12 Oct 2023 15:25

Tgt Ion:202 Resp: 1201018
Ion Ratio Lower Upper
202 100
200 20.5 16.2 24.2
203 18.0 14.2 21.4





#79

Terphenyl-d14

Concen: 45.466 ng

RT: 12.868 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF135735.D

Acq: 12 Oct 2023 15:25

Instrument :

BNA_F

ClientSampleId :

72-11930

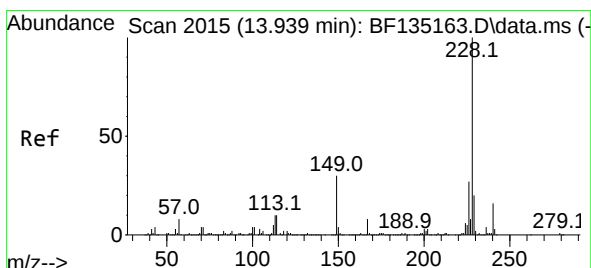
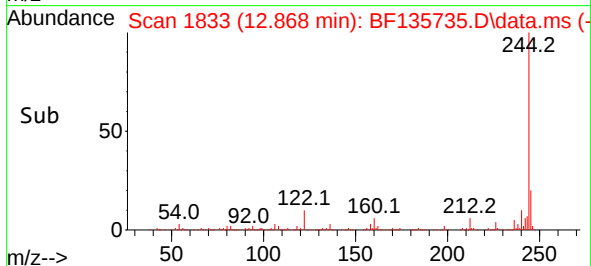
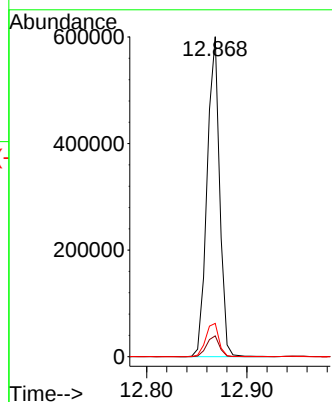
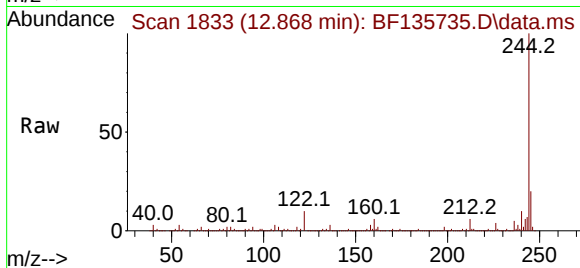
Tgt Ion:244 Resp: 523282

Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

122 10.4 7.9 11.9



#81

Benzo(a)anthracene

Concen: 26.072 ng

RT: 13.927 min Scan# 2013

Delta R.T. -0.000 min

Lab File: BF135735.D

Acq: 12 Oct 2023 15:25

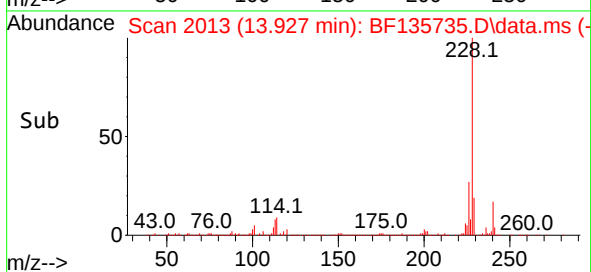
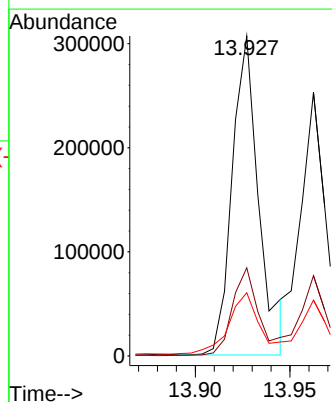
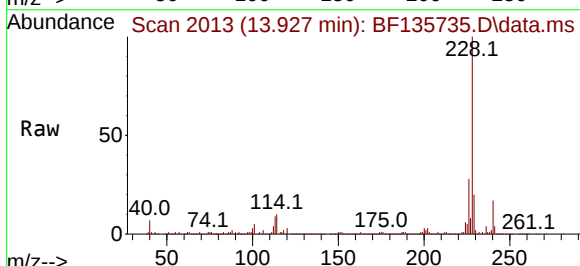
Tgt Ion:228 Resp: 300368

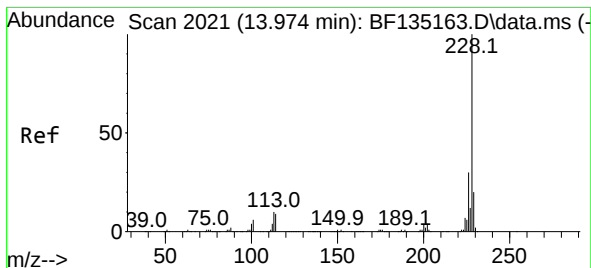
Ion Ratio Lower Upper

228 100

226 27.6 21.7 32.5

229 19.7 15.8 23.8





#83

Chrysene

Concen: 19.722 ng

RT: 13.962 min Scan# 2009

Delta R.T. -0.000 min

Lab File: BF135735.D

Acq: 12 Oct 2023 15:25

Instrument :

BNA_F

ClientSampleId :

72-11930

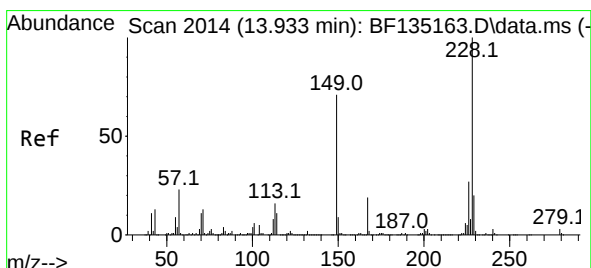
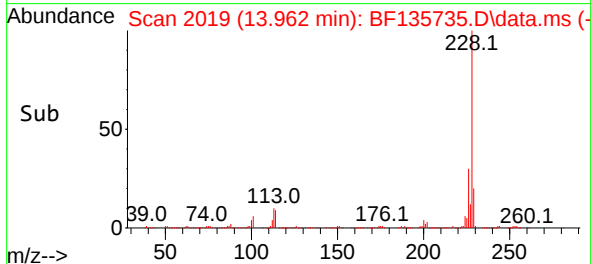
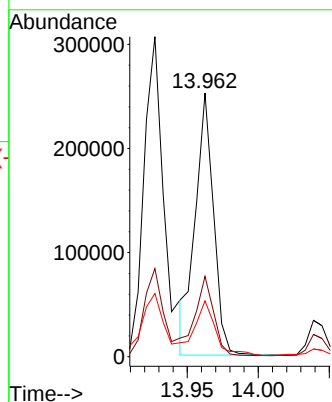
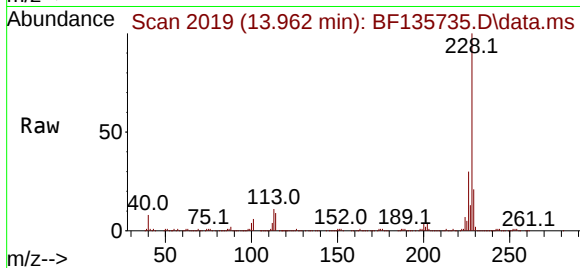
Tgt Ion:228 Resp: 225909

Ion Ratio Lower Upper

228 100

226 30.5 24.3 36.5

229 21.2 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.012 ng

RT: 13.904 min Scan# 2009

Delta R.T. -0.006 min

Lab File: BF135735.D

Acq: 12 Oct 2023 15:25

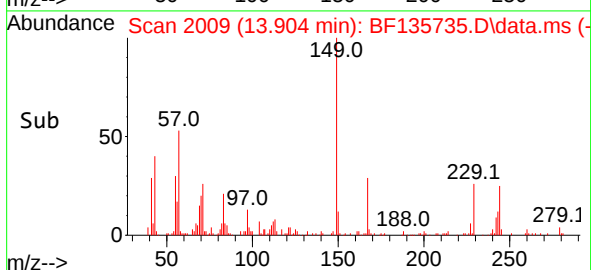
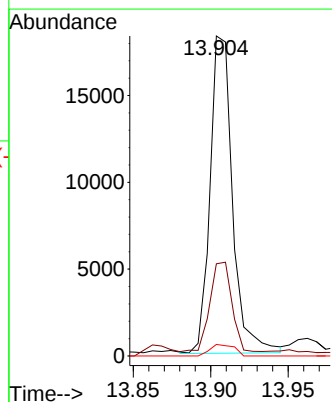
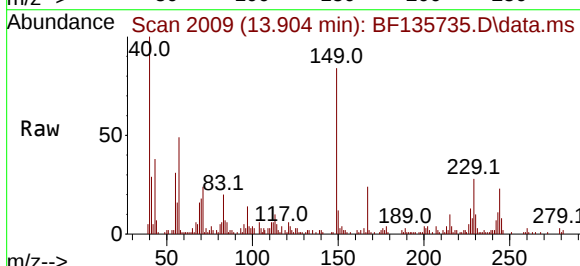
Tgt Ion:149 Resp: 18484

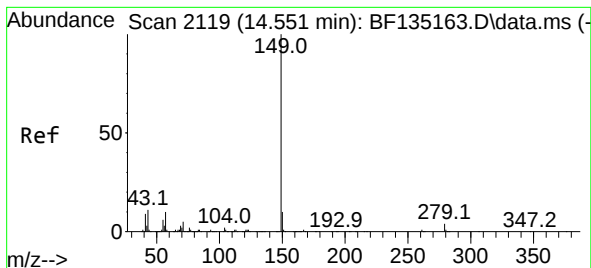
Ion Ratio Lower Upper

149 100

167 28.8 21.9 32.9

279 3.6 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 2.117 ng

RT: 14.515 min Scan# 2113

Delta R.T. -0.012 min

Lab File: BF135735.D

Acq: 12 Oct 2023 15:25

Instrument :

BNA_F

ClientSampleId :

72-11930

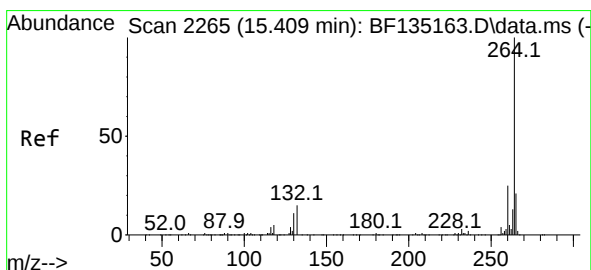
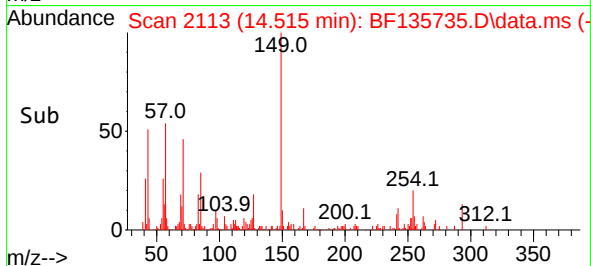
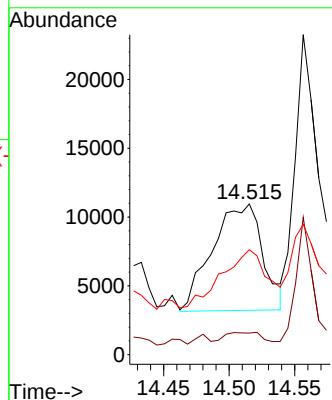
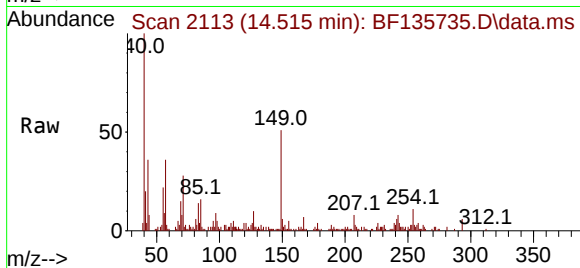
Tgt Ion:149 Resp: 20652

Ion Ratio Lower Upper

149 100

167 12.5 1.1 1.7#

43 54.3 9.8 14.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.409 min Scan# 2265

Delta R.T. 0.006 min

Lab File: BF135735.D

Acq: 12 Oct 2023 15:25

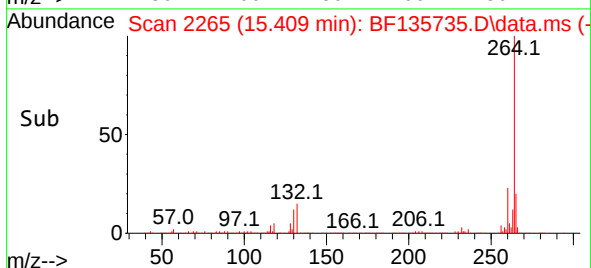
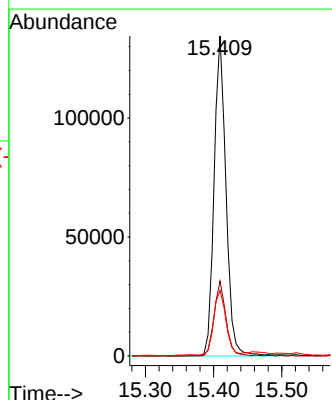
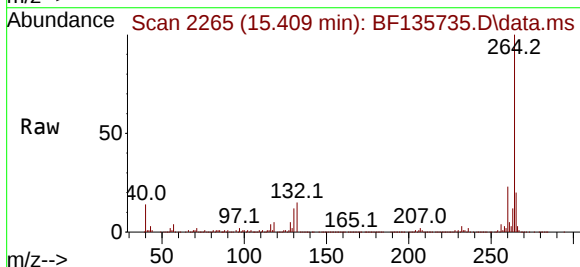
Tgt Ion:264 Resp: 163599

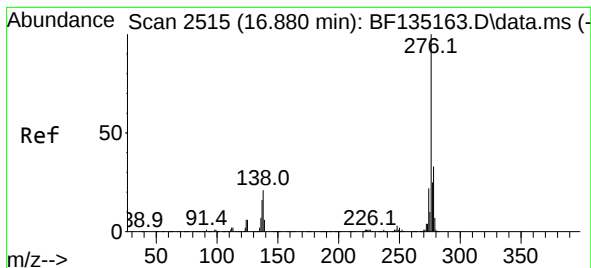
Ion Ratio Lower Upper

264 100

260 23.4 19.8 29.6

265 20.5 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.310 ng

RT: 16.921 min Scan# 2192

Delta R.T. 0.018 min

Lab File: BF135735.D

Acq: 12 Oct 2023 15:25

Instrument :

BNA_F

ClientSampleId :

72-11930

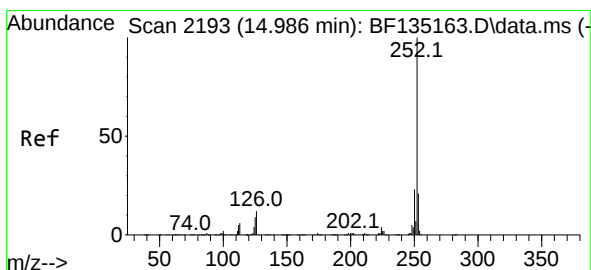
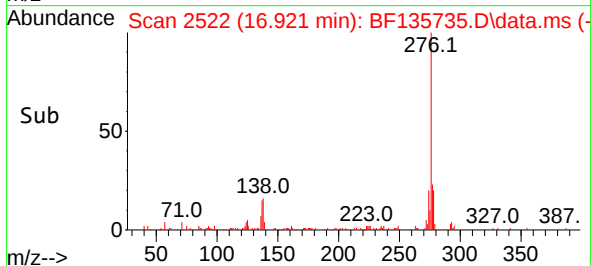
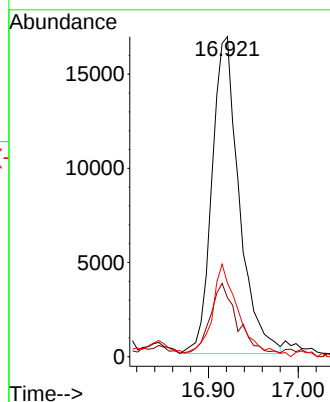
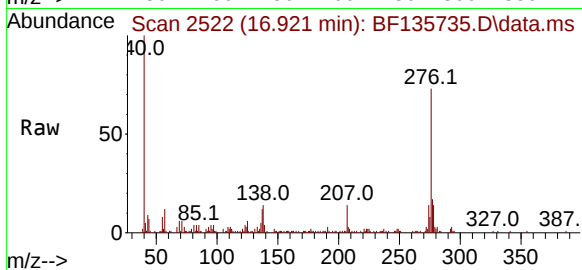
Tgt Ion:276 Resp: 35508

Ion Ratio Lower Upper

276 100

138 21.4 19.2 28.8

277 28.6 19.7 29.5



#88

Benzo(b)fluoranthene

Concen: 20.258 ng

RT: 14.980 min Scan# 2192

Delta R.T. -0.000 min

Lab File: BF135735.D

Acq: 12 Oct 2023 15:25

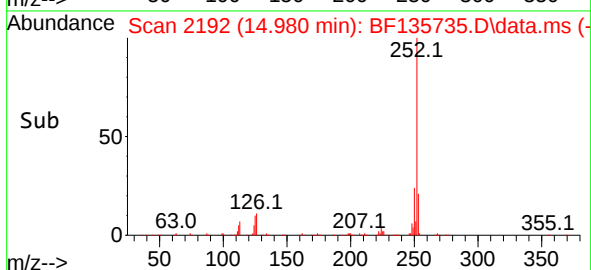
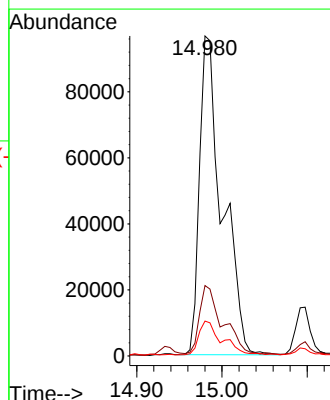
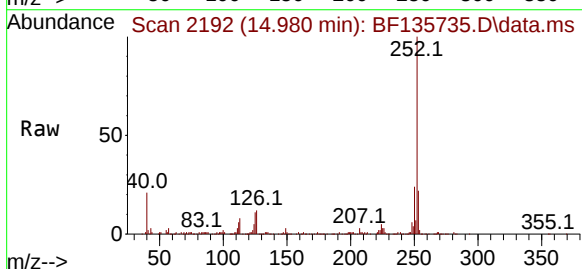
Tgt Ion:252 Resp: 179408

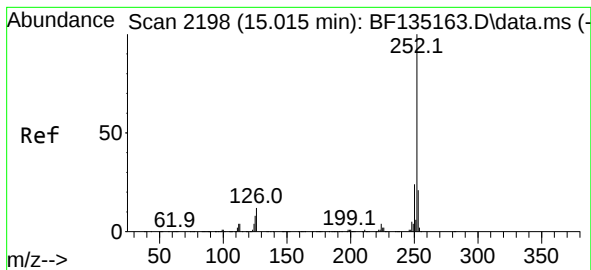
Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

125 10.9 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 20.508 ng

RT: 14.980 min Scan# 2198

Delta R.T. -0.024 min

Lab File: BF135735.D

Acq: 12 Oct 2023 15:25

Instrument :

BNA_F

ClientSampleId :

72-11930

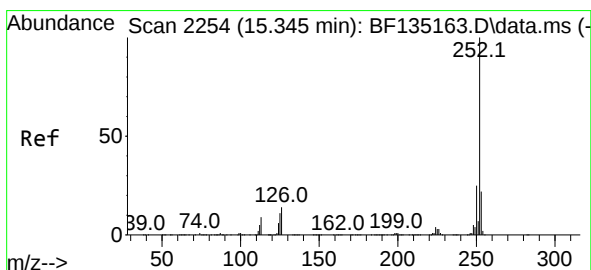
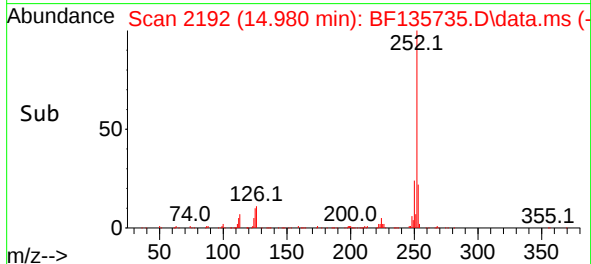
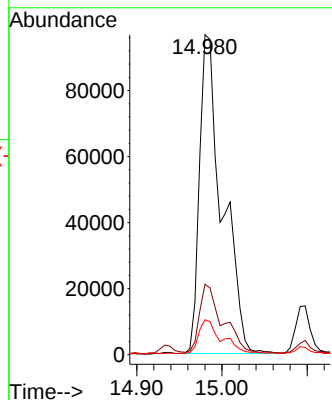
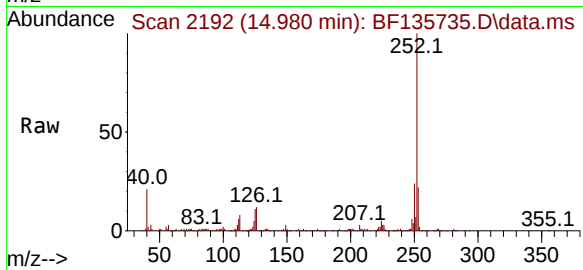
Tgt Ion:252 Resp: 179408

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

125 10.9 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 9.104 ng

RT: 15.351 min Scan# 2255

Delta R.T. 0.006 min

Lab File: BF135735.D

Acq: 12 Oct 2023 15:25

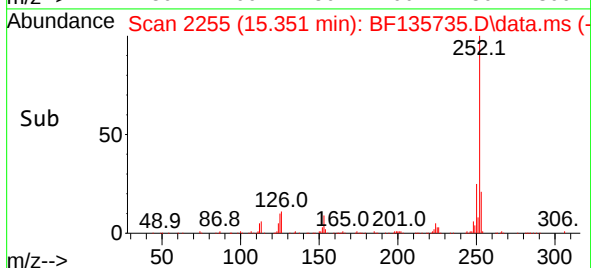
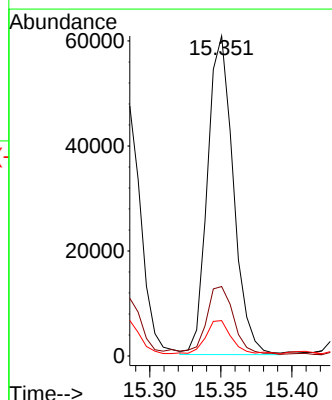
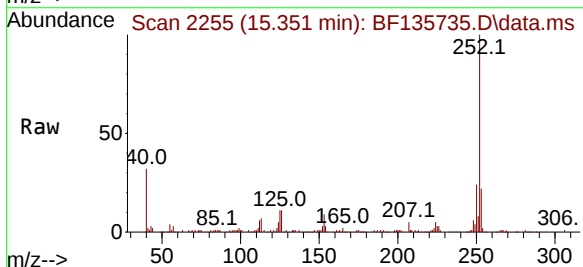
Tgt Ion:252 Resp: 76892

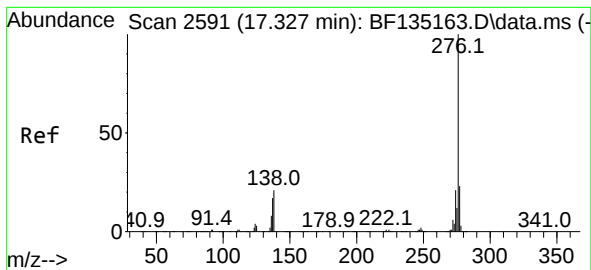
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 11.0 9.2 13.8





#92

Benzo(g,h,i)perylene

Concen: 3.603 ng

RT: 17.374 min Scan# 21

Delta R.T. 0.023 min

Lab File: BF135735.D

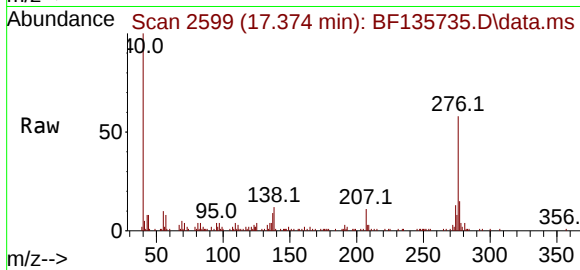
Acq: 12 Oct 2023 15:25

Instrument :

BNA_F

ClientSampleId :

72-11930



Tgt Ion:276 Resp: 33027

Ion Ratio Lower Upper

276 100

277 26.0 18.8 28.2

138 21.1 16.9 25.3

