

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101023\
 Data File : BF135696.D
 Acq On : 10 Oct 2023 21:09
 Operator : CG\JU
 Sample : 04753-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: Oct 11 03:04:47 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

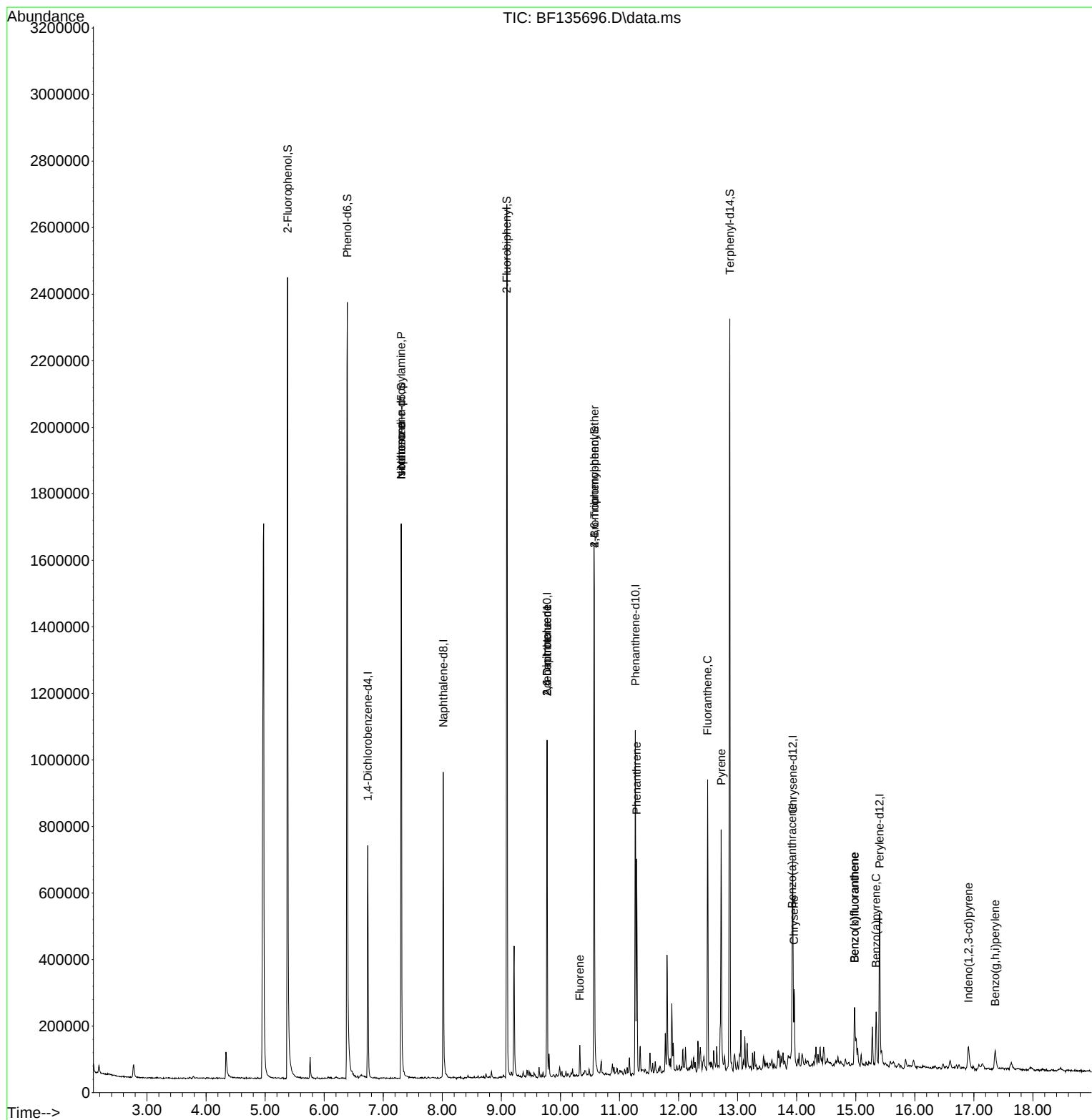
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	105753	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	400681	20.000	ng	0.00
39) Acenaphthene-d10	9.774	164	192112	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	359462	20.000	ng	0.00
76) Chrysene-d12	13.933	240	188814	20.000	ng	0.00
86) Perylene-d12	15.404	264	210083	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	683988	105.195	ng	0.01
7) Phenol-d6	6.392	99	841600	101.793	ng	0.00
23) Nitrobenzene-d5	7.304	82	529000	71.729	ng	0.00
42) 2,4,6-Tribromophenol	10.574	330	207875	108.885	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	903032	70.918	ng	0.00
79) Terphenyl-d14	12.868	244	823003	67.570	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.304	70	70604	13.787	ng	# 83
25) Isophorone	7.304	82	529000	39.062	ng	# 65
51) 2,6-Dinitrotoluene	9.774	165	24999	8.786	ng	# 17
57) 2,4-Dinitrotoluene	9.774	165	24999	7.018	ng	# 19
58) Fluorene	10.327	166	26295	2.131	ng	96
67) 4-Bromophenyl-phenylether	10.574	248	13132	3.673	ng	# 1
71) Phenanthrene	11.292	178	231768	13.633	ng	98
75) Fluoranthene	12.492	202	335748	18.953	ng	100
78) Pyrene	12.721	202	290836	16.179	ng	99
81) Benzo(a)anthracene	13.921	228	86992	7.135	ng	98
83) Chrysene	13.957	228	88766	7.323	ng	98
87) Indeno(1,2,3-cd)pyrene	16.909	276	49030	3.559	ng	100
88) Benzo(b)fluoranthene	14.980	252	127506	11.212	ng	# 98
89) Benzo(k)fluoranthene	14.980	252	127506	11.350	ng	# 98
90) Benzo(a)pyrene	15.345	252	72039	6.642	ng	99
92) Benzo(g,h,i)perylene	17.362	276	48926	4.157	ng	95

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

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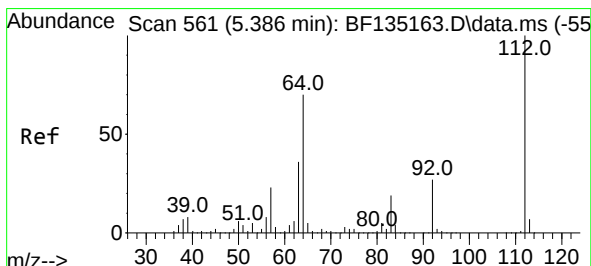
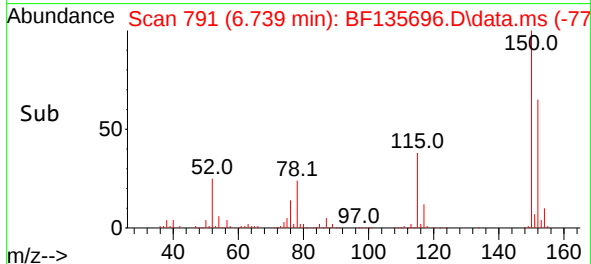
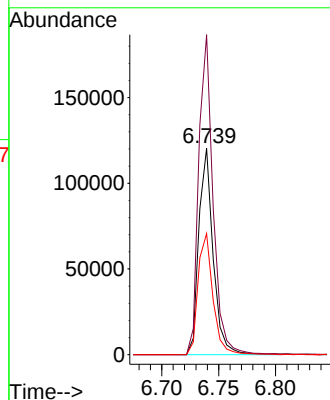
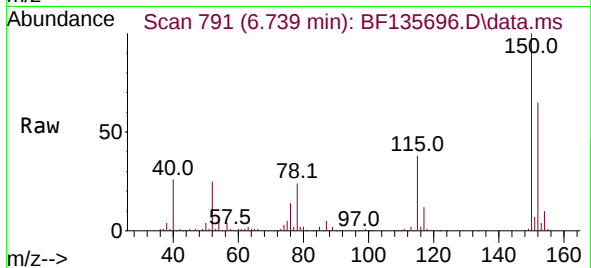




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135696.D
Acq: 10 Oct 2023 21:09

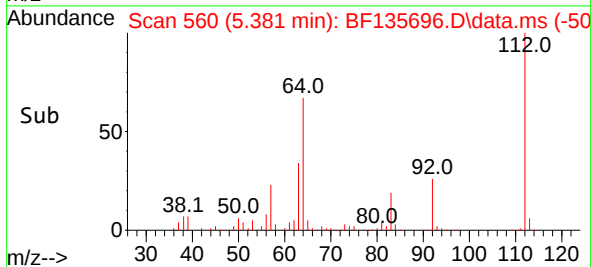
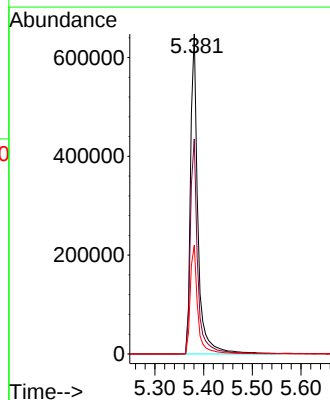
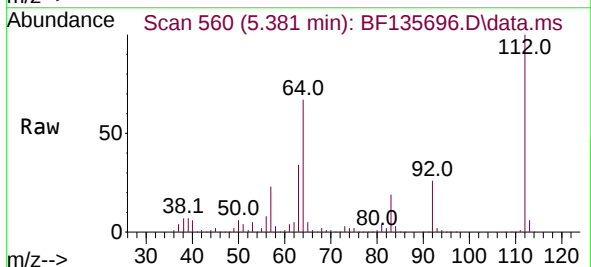
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BNA_F
ClientSampleId :
TP-4

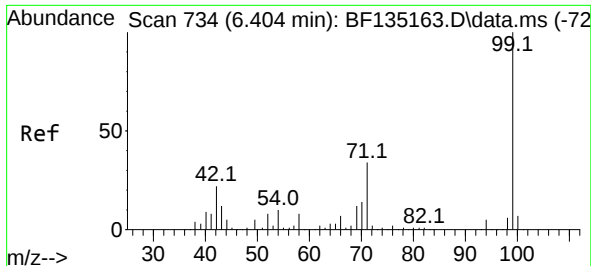
Tgt Ion:152 Resp: 105753
Ion Ratio Lower Upper
152 100
150 154.9 127.8 191.6
115 58.6 49.8 74.8



#5
2-Fluorophenol
Concen: 105.195 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.012 min
Lab File: BF135696.D
Acq: 10 Oct 2023 21:09

Tgt Ion:112 Resp: 683988
Ion Ratio Lower Upper
112 100
64 67.2 55.9 83.9
63 34.0 29.0 43.6

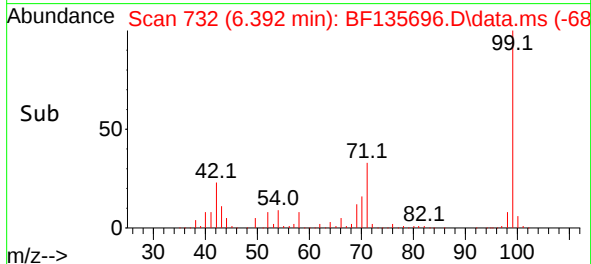
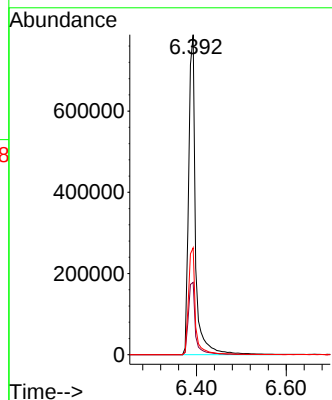
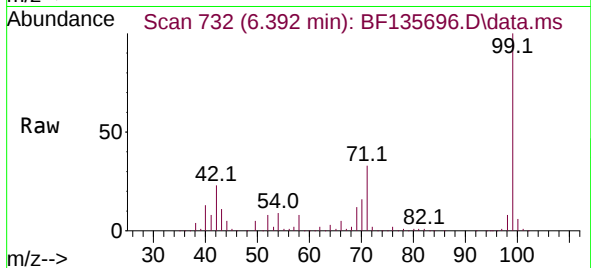




#7
Phenol-d6
Concen: 101.793 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135696.D
Acq: 10 Oct 2023 21:09

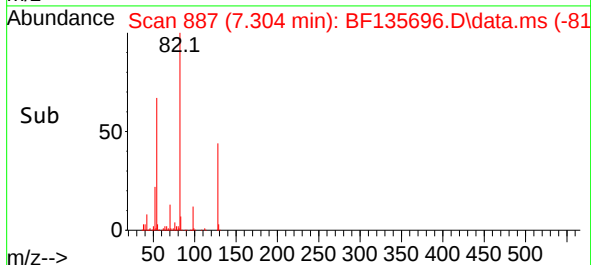
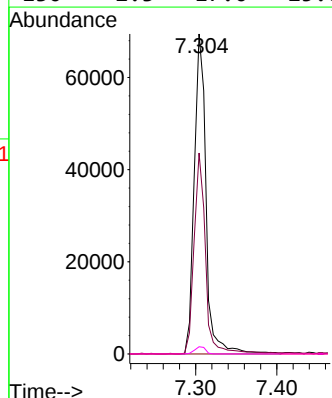
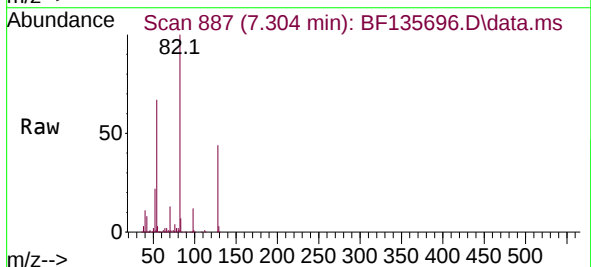
Instrument :
BNA_F
ClientSampleId :
TP-4

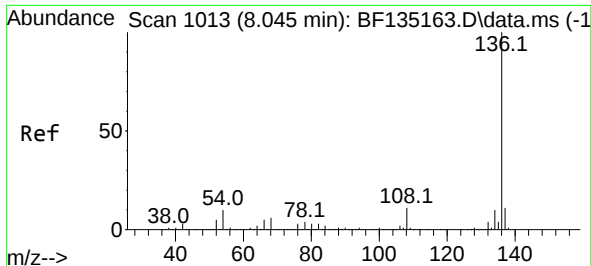
Tgt Ion: 99 Resp: 841600
Ion Ratio Lower Upper
99 100
42 22.6 17.9 26.9
71 33.4 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 13.787 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF135696.D
Acq: 10 Oct 2023 21:09

Tgt Ion: 70 Resp: 70604
Ion Ratio Lower Upper
70 100
42 62.8 55.4 83.0
101 0.0 7.7 11.5#
130 2.3 17.0 25.6#

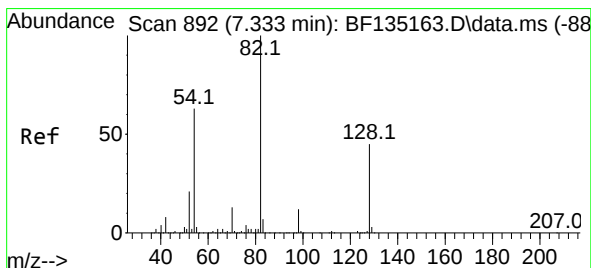
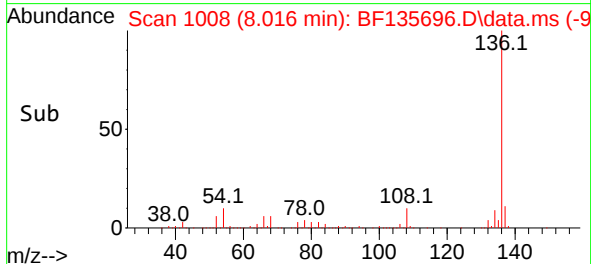
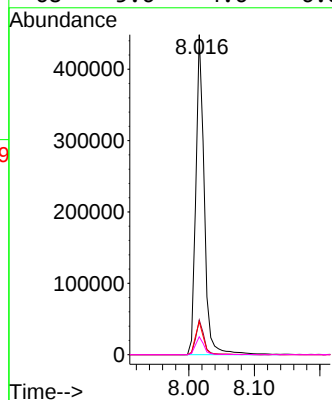
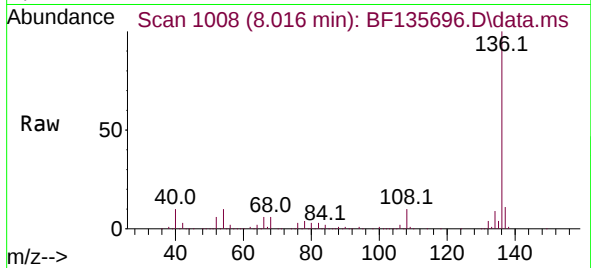




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF135696.D
Acq: 10 Oct 2023 21:09

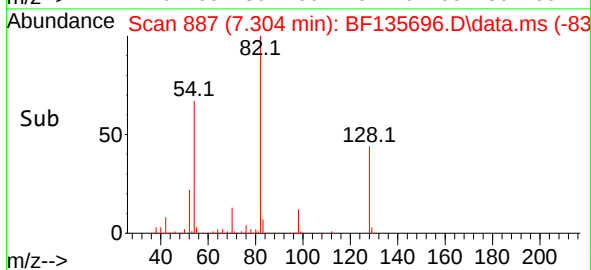
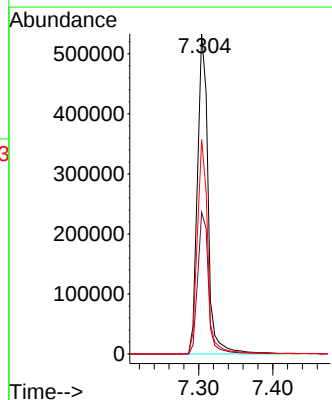
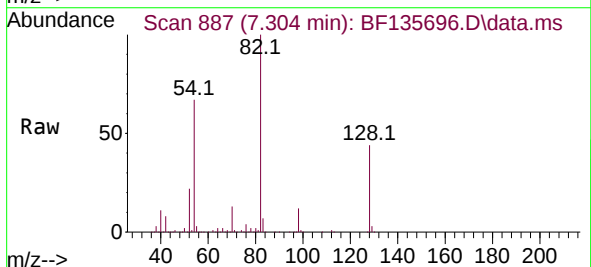
Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:136 Resp: 400681
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 10.3 7.7 11.5
68 5.6 4.6 6.8



#23
Nitrobenzene-d5
Concen: 71.729 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135696.D
Acq: 10 Oct 2023 21:09

Tgt Ion: 82 Resp: 529000
Ion Ratio Lower Upper
82 100
128 44.3 35.8 53.6
54 66.9 50.6 76.0

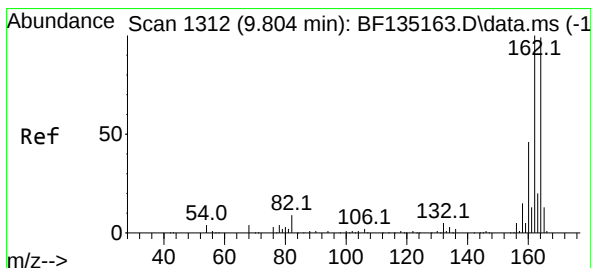
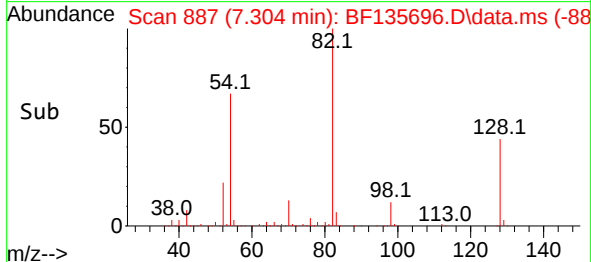
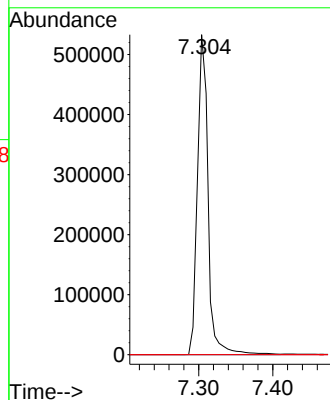
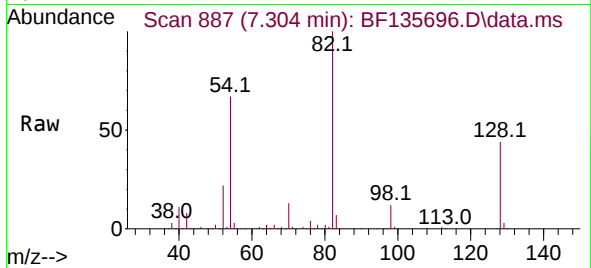




#25
Isophorone
Concen: 39.062 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135696.D
Acq: 10 Oct 2023 21:09

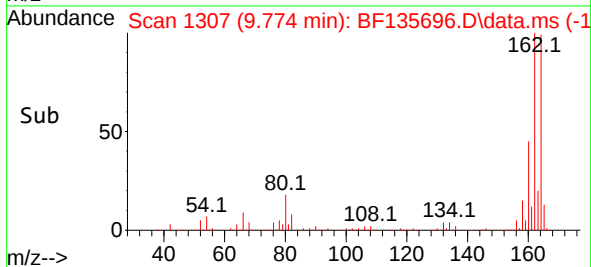
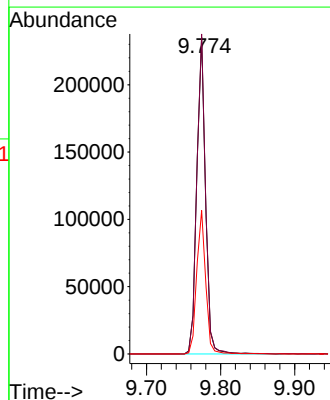
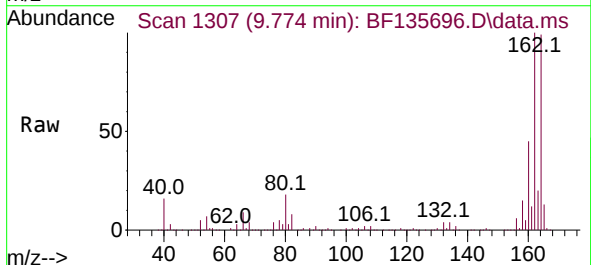
Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion: 82 Resp: 529000
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: BF135696.D
Acq: 10 Oct 2023 21:09

Tgt Ion:164 Resp: 192112
Ion Ratio Lower Upper
164 100
162 101.0 81.0 121.4
160 45.3 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 108.885 ng

RT: 10.574 min Scan# 1443

Delta R.T. -0.000 min

Lab File: BF135696.D

Acq: 10 Oct 2023 21:09

Instrument :

BNA_F

ClientSampleId :

TP-4

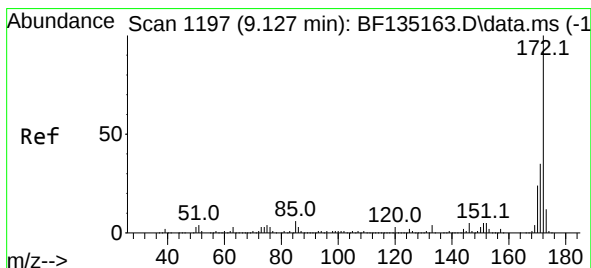
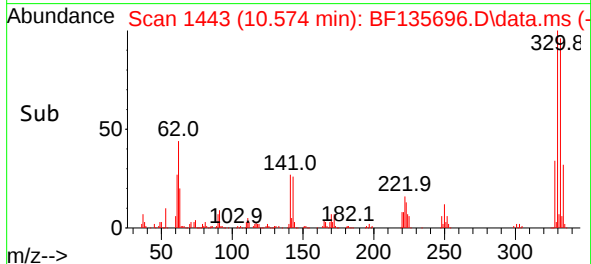
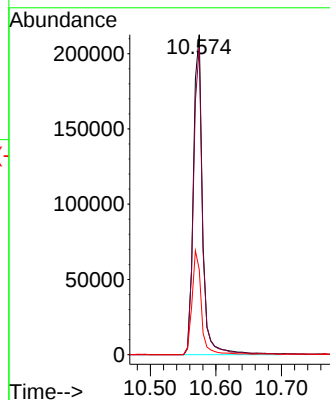
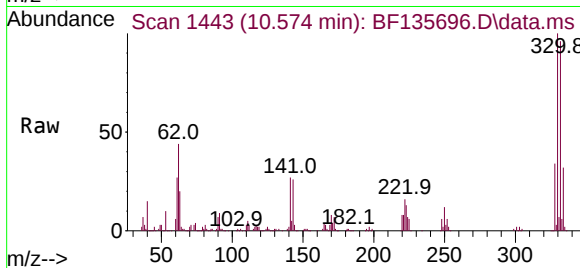
Tgt Ion:330 Resp: 207875

Ion Ratio Lower Upper

330 100

332 95.1 77.3 115.9

141 33.0 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 70.918 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF135696.D

Acq: 10 Oct 2023 21:09

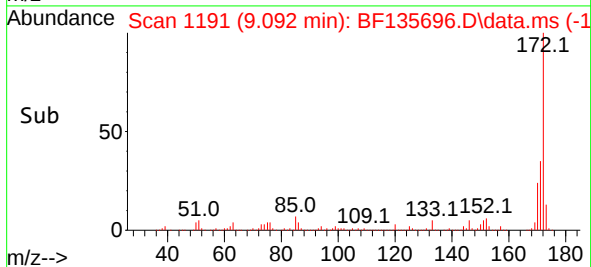
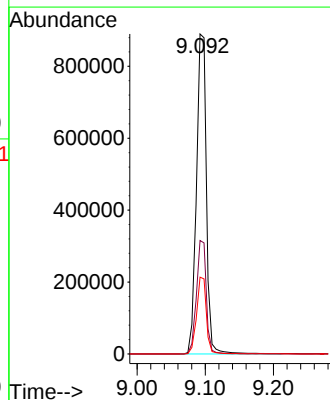
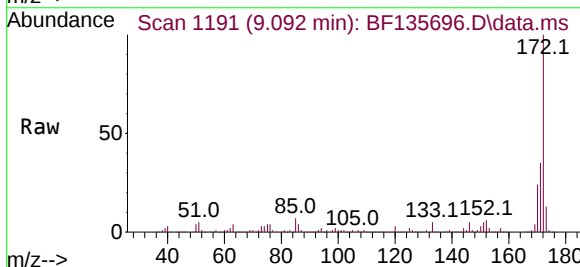
Tgt Ion:172 Resp: 903032

Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 24.0 19.0 28.4

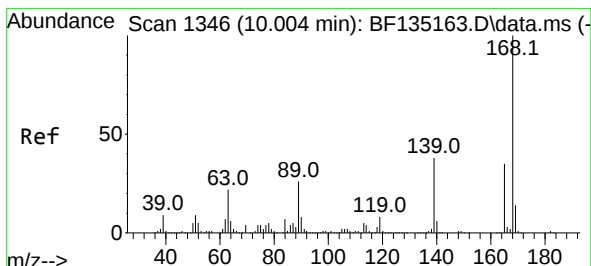
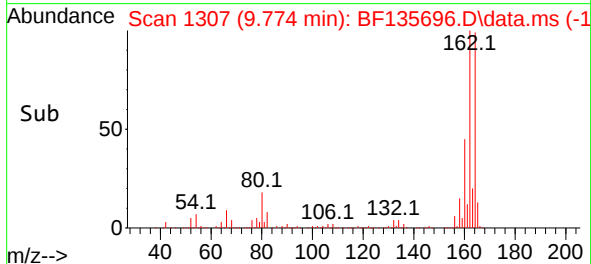
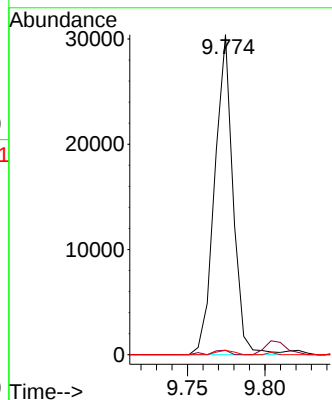
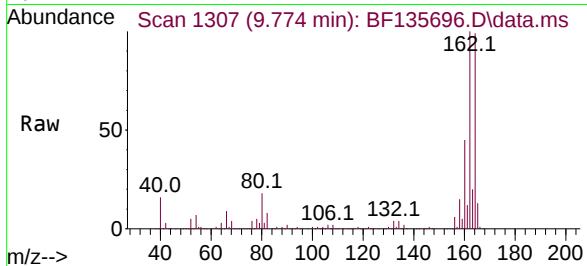




#51
2,6-Dinitrotoluene
Concen: 8.786 ng
RT: 9.774 min Scan# 1307
Delta R.T. 0.194 min
Lab File: BF135696.D
Acq: 10 Oct 2023 21:09

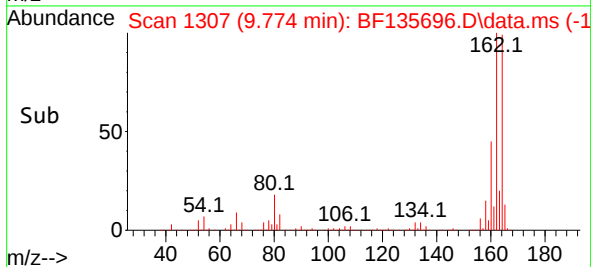
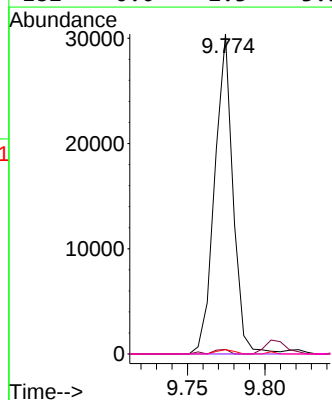
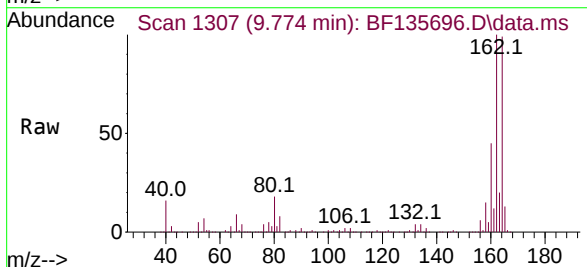
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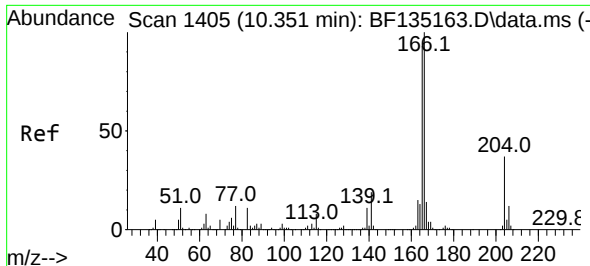
Tgt Ion:165 Resp: 24999
Ion Ratio Lower Upper
165 100
63 1.4 59.4 89.2#
89 1.3 49.8 74.8#



#57
2,4-Dinitrotoluene
Concen: 7.018 ng
RT: 9.774 min Scan# 1307
Delta R.T. -0.218 min
Lab File: BF135696.D
Acq: 10 Oct 2023 21:09

Tgt Ion:165 Resp: 24999
Ion Ratio Lower Upper
165 100
63 1.4 50.1 75.1#
89 1.3 59.3 88.9#
182 0.0 2.3 3.5#

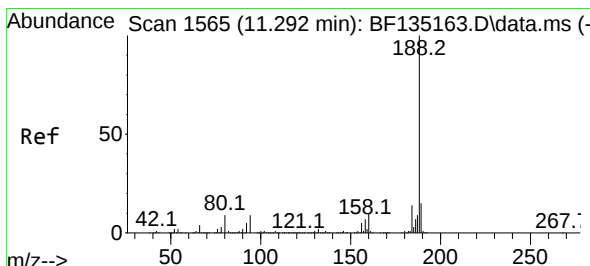
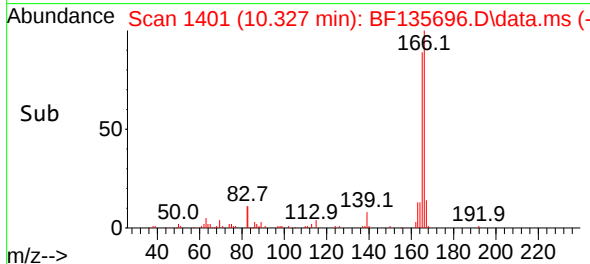
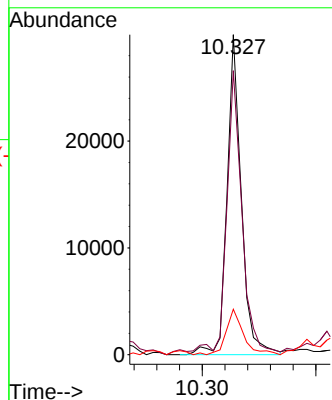
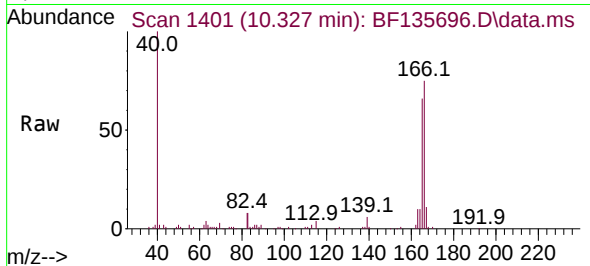




#58
Fluorene
Concen: 2.131 ng
RT: 10.327 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF135696.D
Acq: 10 Oct 2023 21:09

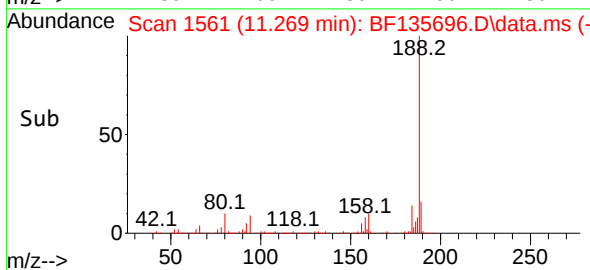
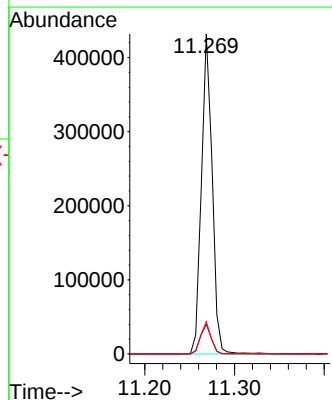
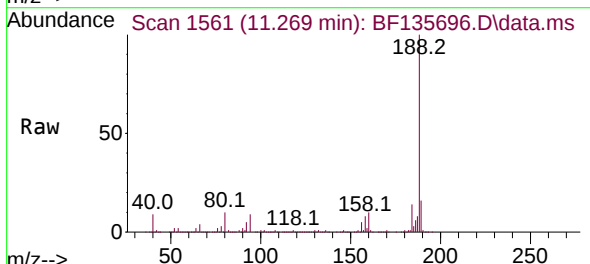
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BNA_F
ClientSampleId :
TP-4

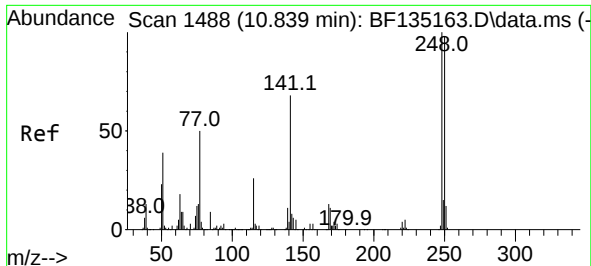
Tgt Ion:166 Resp: 26295
Ion Ratio Lower Upper
166 100
165 88.7 74.3 111.5
167 14.2 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF135696.D
Acq: 10 Oct 2023 21:09

Tgt Ion:188 Resp: 359462
Ion Ratio Lower Upper
188 100
94 9.3 7.0 10.6
80 10.1 7.5 11.3

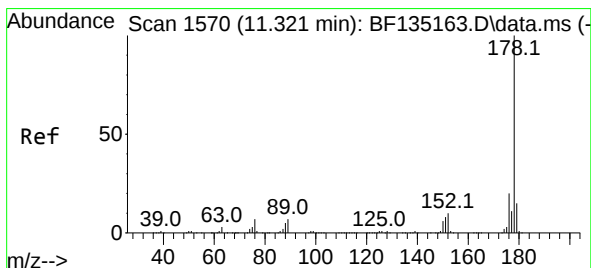
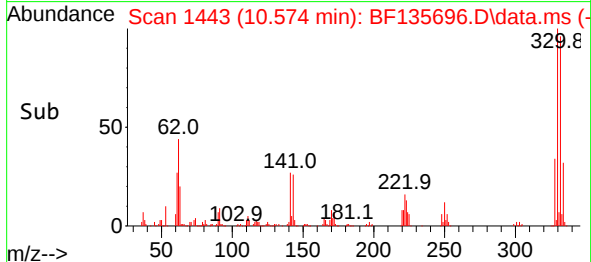
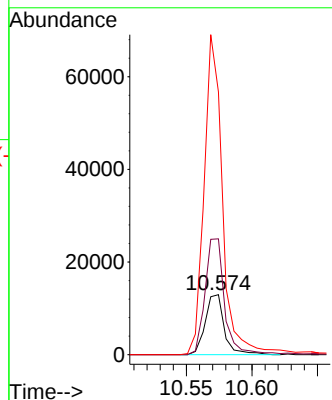
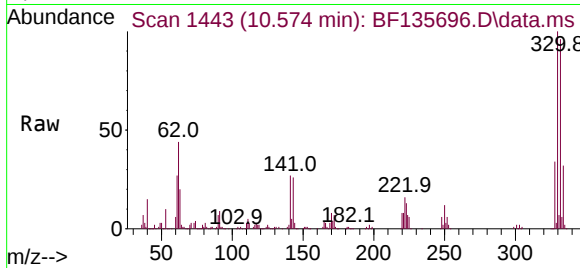




#67
4-Bromophenyl-phenylether
Concen: 3.673 ng
RT: 10.574 min Scan# 1488
Delta R.T. -0.241 min
Lab File: BF135696.D
Acq: 10 Oct 2023 21:09

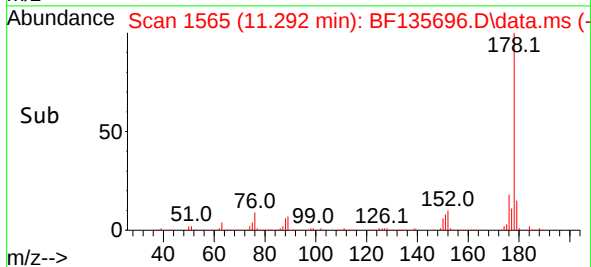
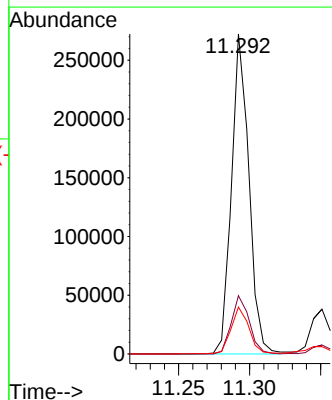
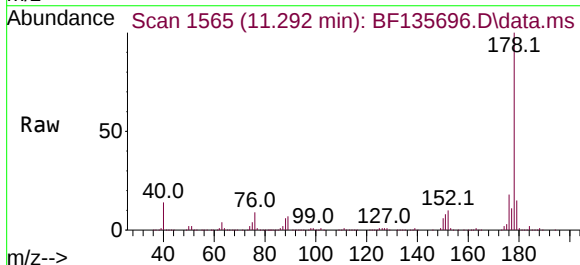
Instrument :
BNA_F
ClientSampleId :
TP-4

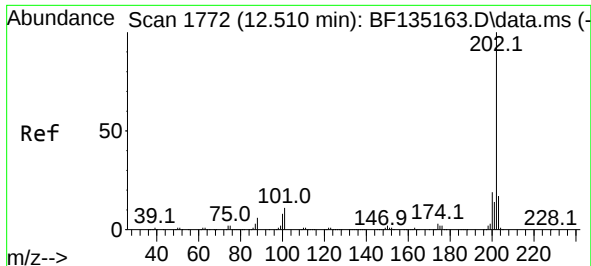
Tgt Ion:248 Resp: 13132
Ion Ratio Lower Upper
248 100
250 193.3 78.6 117.8#
141 438.3 54.2 81.2#



#71
Phenanthrene
Concen: 13.633 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF135696.D
Acq: 10 Oct 2023 21:09

Tgt Ion:178 Resp: 231768
Ion Ratio Lower Upper
178 100
176 18.2 15.6 23.4
179 14.7 12.0 18.0

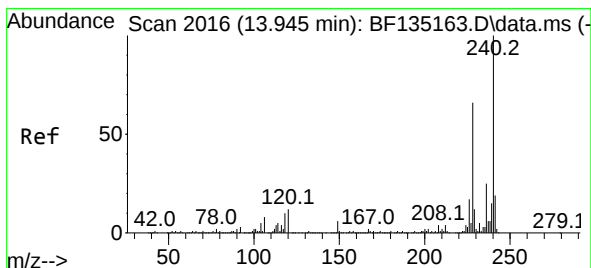
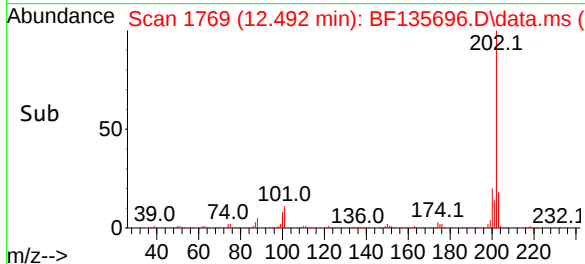
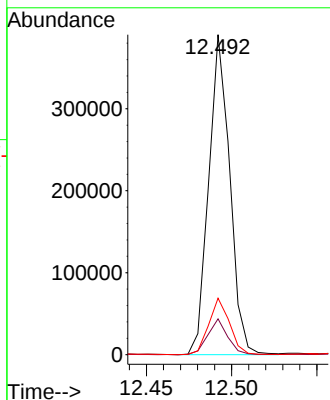
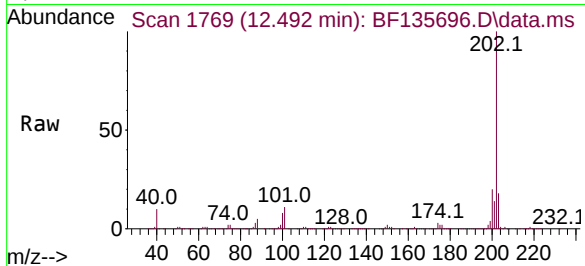




#75
Fluoranthene
Concen: 18.953 ng
RT: 12.492 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF135696.D
Acq: 10 Oct 2023 21:09

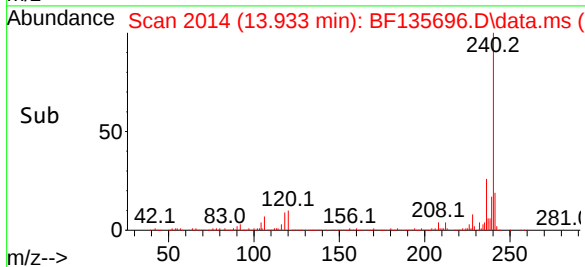
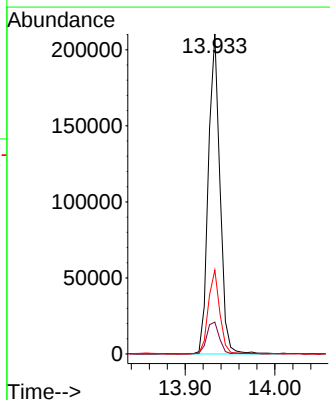
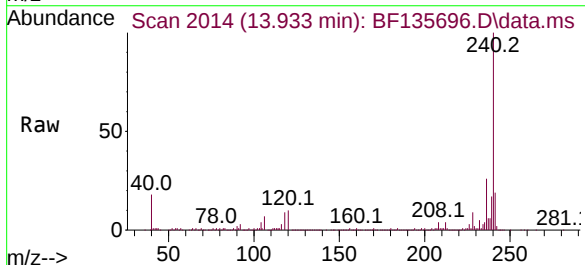
Instrument :
BNA_F
ClientSampleId :
TP-4

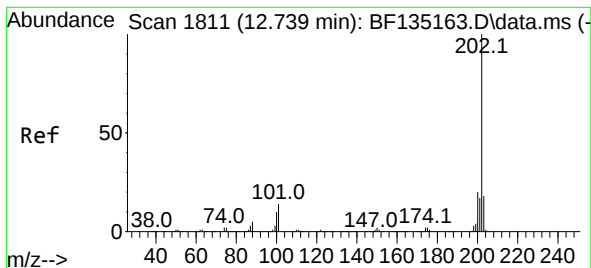
Tgt Ion:202 Resp: 335748
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.3
203 17.6 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF135696.D
Acq: 10 Oct 2023 21:09

Tgt Ion:240 Resp: 188814
Ion Ratio Lower Upper
240 100
120 10.0 9.4 14.2
236 26.3 19.8 29.8





#78

Pyrene

Concen: 16.179 ng

RT: 12.721 min Scan# 1808

Delta R.T. -0.006 min

Lab File: BF135696.D

Acq: 10 Oct 2023 21:09

Instrument :

BNA_F

ClientSampleId :

TP-4

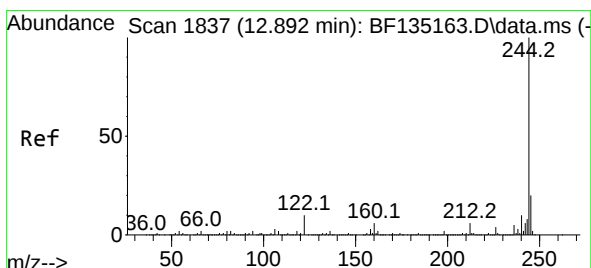
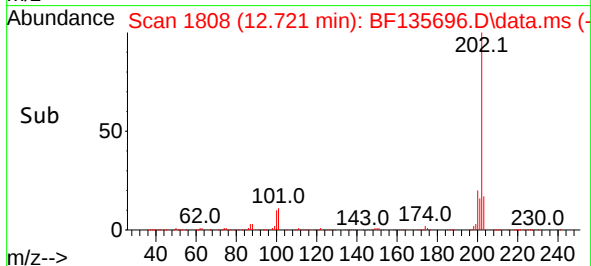
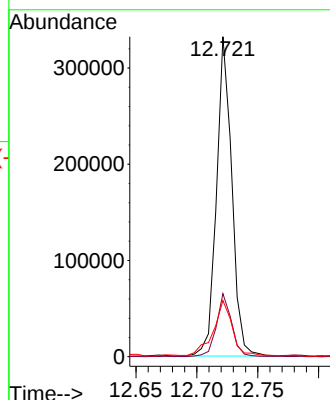
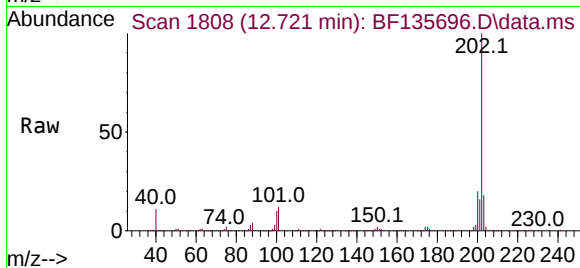
Tgt Ion:202 Resp: 290836

Ion Ratio Lower Upper

202 100

200 19.7 16.2 24.2

203 17.5 14.2 21.4



#79

Terphenyl-d14

Concen: 67.570 ng

RT: 12.868 min Scan# 1833

Delta R.T. -0.000 min

Lab File: BF135696.D

Acq: 10 Oct 2023 21:09

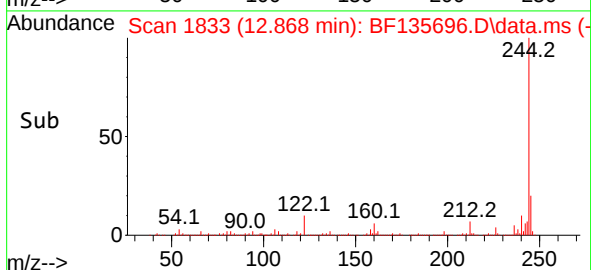
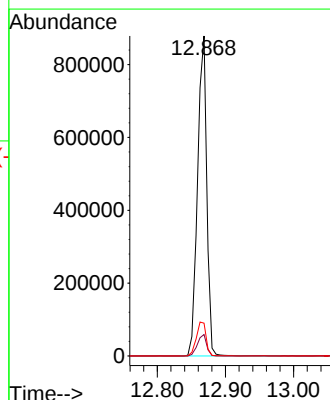
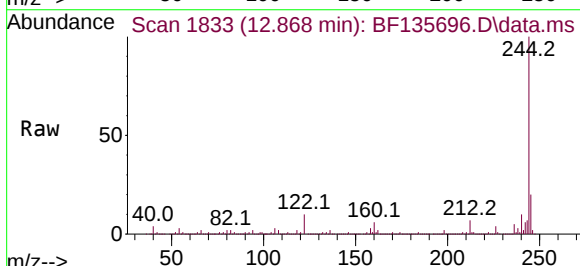
Tgt Ion:244 Resp: 823003

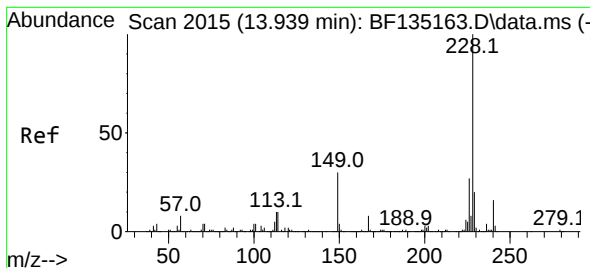
Ion Ratio Lower Upper

244 100

212 6.7 5.1 7.7

122 10.2 7.9 11.9





#81

Benzo(a)anthracene

Concen: 7.135 ng

RT: 13.921 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF135696.D

Acq: 10 Oct 2023 21:09

Instrument :

BNA_F

ClientSampleId :

TP-4

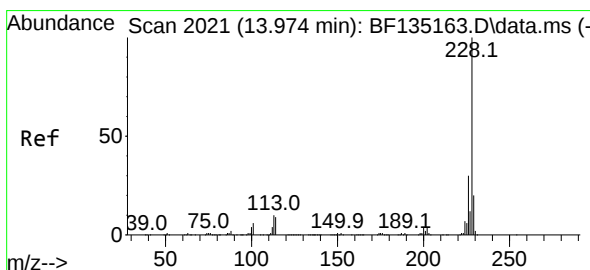
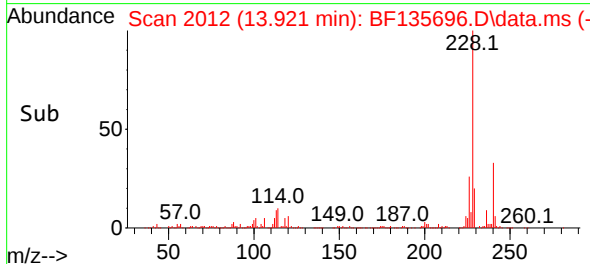
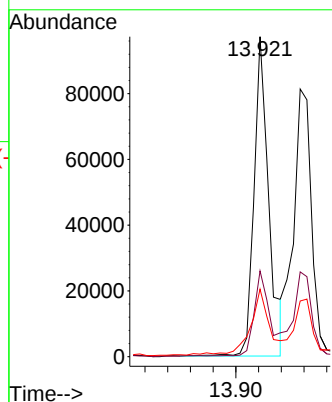
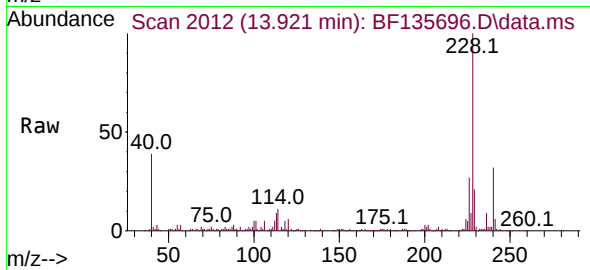
Tgt Ion:228 Resp: 86992

Ion Ratio Lower Upper

228 100

226 26.8 21.7 32.5

229 21.1 15.8 23.8



#83

Chrysene

Concen: 7.323 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF135696.D

Acq: 10 Oct 2023 21:09

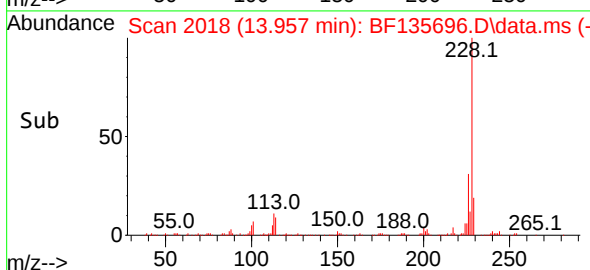
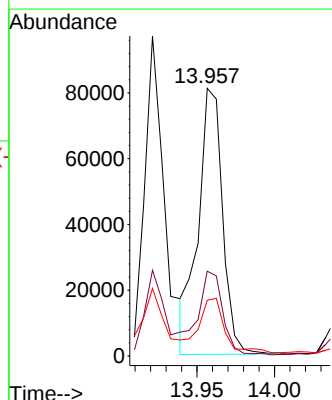
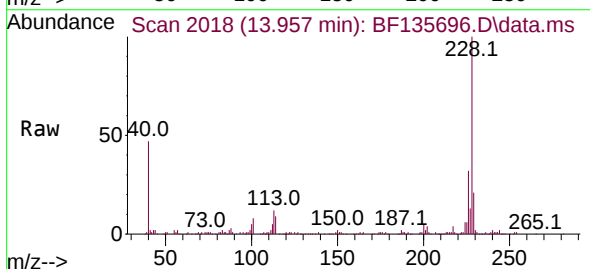
Tgt Ion:228 Resp: 88766

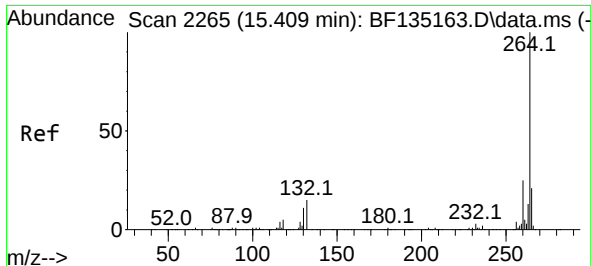
Ion Ratio Lower Upper

228 100

226 31.7 24.3 36.5

229 20.8 16.0 24.0

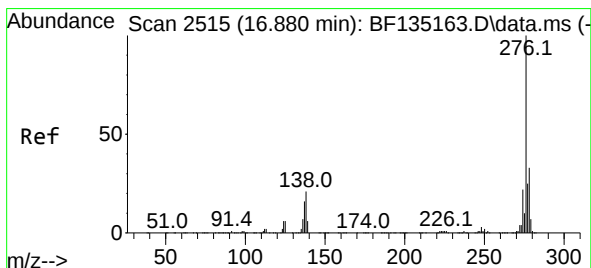
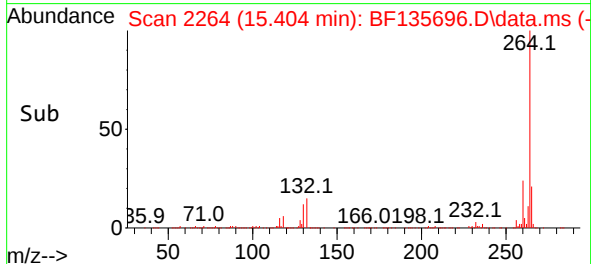
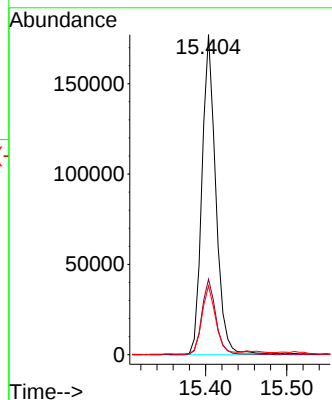
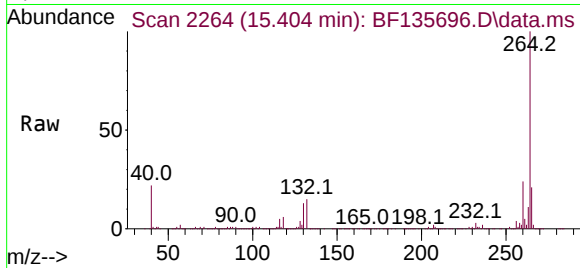




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF135696.D
Acq: 10 Oct 2023 21:09

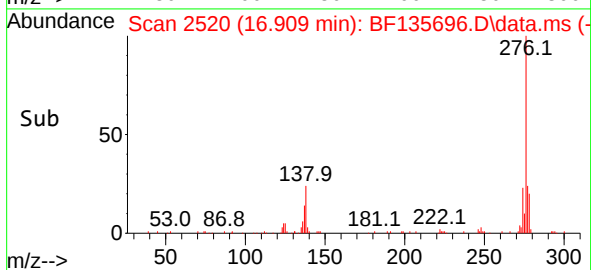
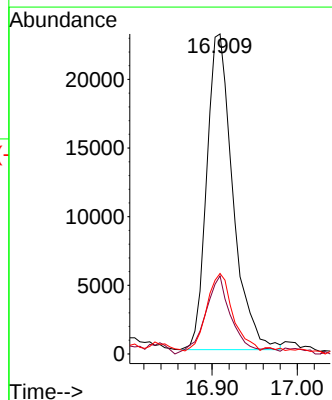
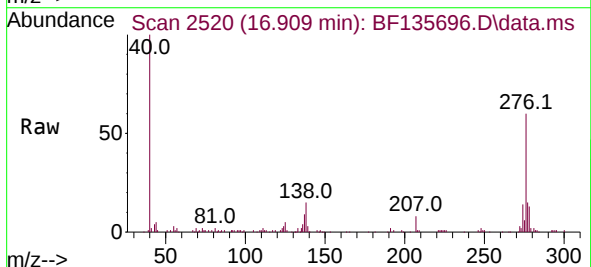
Instrument :
BNA_F
ClientSampleId :
TP-4

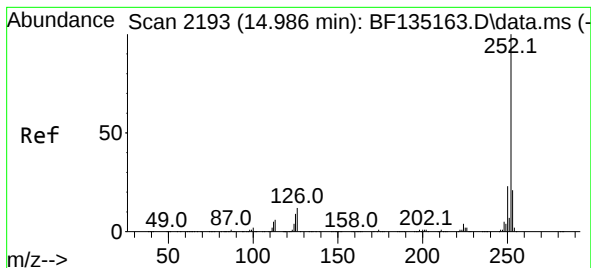
Tgt Ion:264 Resp: 210083
Ion Ratio Lower Upper
264 100
260 23.6 19.8 29.6
265 21.5 17.0 25.4



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.559 ng
RT: 16.909 min Scan# 2520
Delta R.T. 0.006 min
Lab File: BF135696.D
Acq: 10 Oct 2023 21:09

Tgt Ion:276 Resp: 49030
Ion Ratio Lower Upper
276 100
138 24.3 19.2 28.8
277 24.6 19.7 29.5





#88

Benzo(b)fluoranthene

Concen: 11.212 ng

RT: 14.980 min Scan# 2192

Delta R.T. -0.000 min

Lab File: BF135696.D

Acq: 10 Oct 2023 21:09

Instrument :

BNA_F

ClientSampleId :

TP-4

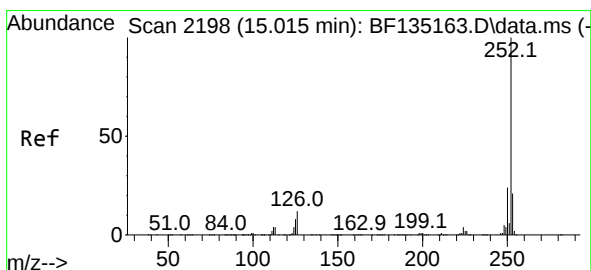
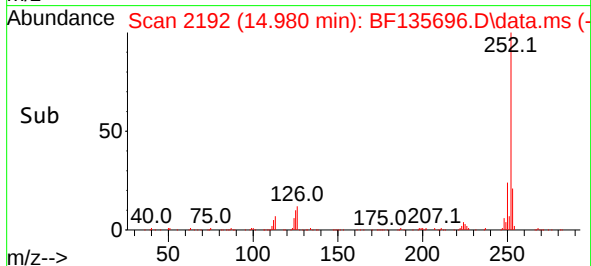
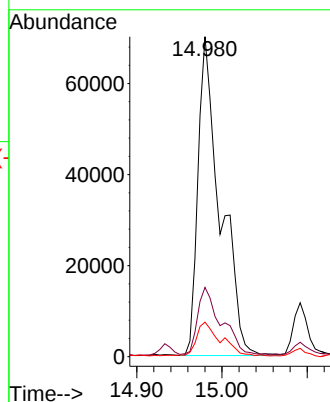
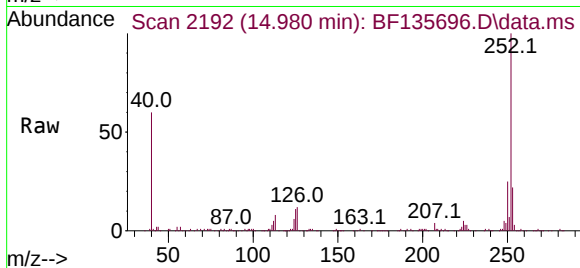
Tgt Ion:252 Resp: 127506

Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

125 10.8 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 11.350 ng

RT: 14.980 min Scan# 2192

Delta R.T. -0.024 min

Lab File: BF135696.D

Acq: 10 Oct 2023 21:09

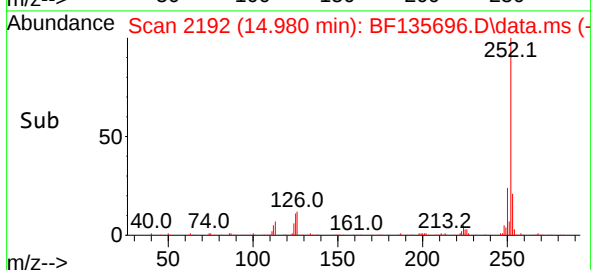
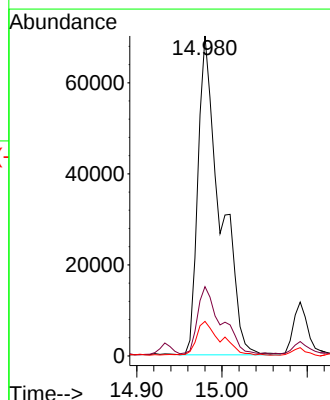
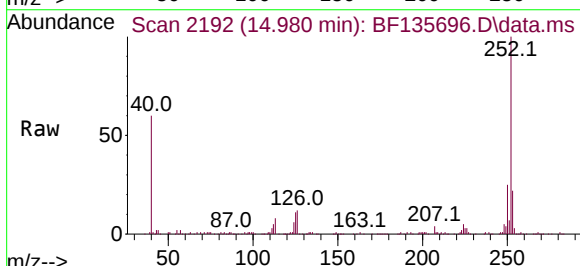
Tgt Ion:252 Resp: 127506

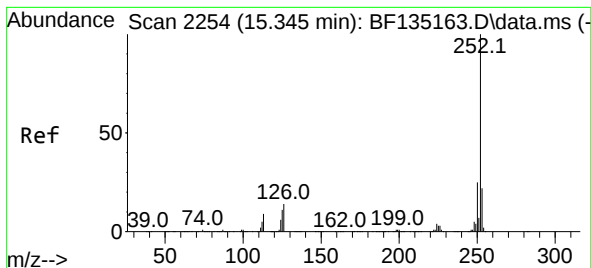
Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.0

125 10.8 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 6.642 ng

RT: 15.345 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF135696.D

Acq: 10 Oct 2023 21:09

Instrument :

BNA_F

ClientSampleId :

TP-4

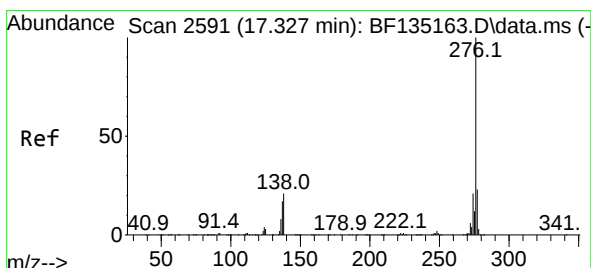
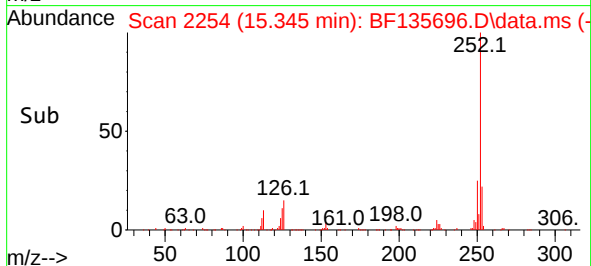
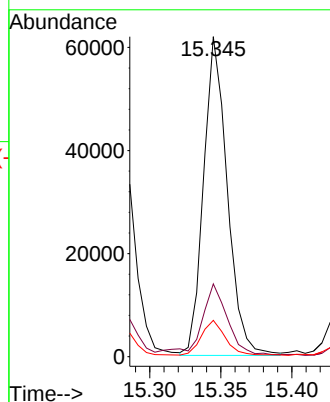
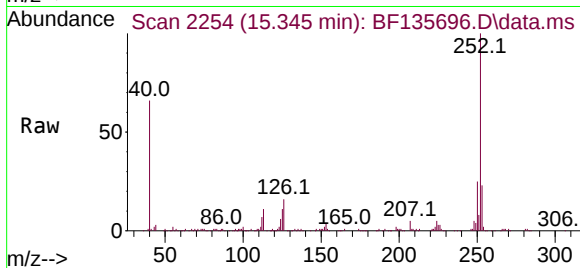
Tgt Ion:252 Resp: 72039

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 11.4 9.2 13.8



#92

Benzo(g,h,i)perylene

Concen: 4.157 ng

RT: 17.362 min Scan# 2597

Delta R.T. 0.012 min

Lab File: BF135696.D

Acq: 10 Oct 2023 21:09

Tgt Ion:276 Resp: 48926

Ion Ratio Lower Upper

276 100

277 27.0 18.8 28.2

138 20.4 16.9 25.3

