

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100623\
 Data File : BF135637.D
 Acq On : 06 Oct 2023 19:29
 Operator : CG\JU
 Sample : 04733-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 07 01:51:32 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)

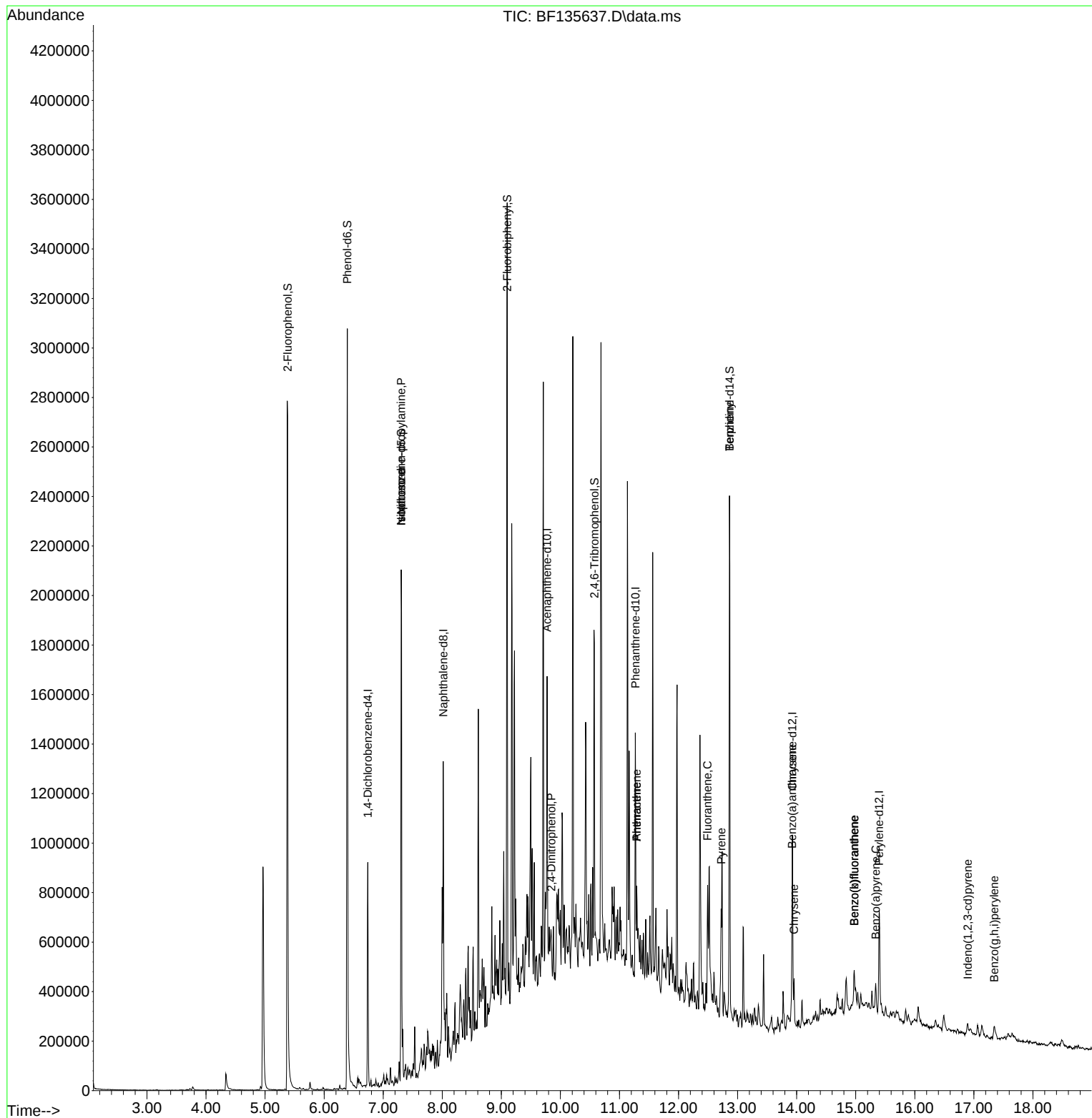
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	131250	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	477064	20.000	ng	# 0.00
39) Acenaphthene-d10	9.775	164	204602	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	321953	20.000	ng	0.00
76) Chrysene-d12	13.927	240	227355	20.000	ng	0.00
86) Perylene-d12	15.398	264	192682	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	864297	107.103	ng	0.01
7) Phenol-d6	6.393	99	1065828	103.870	ng	0.00
23) Nitrobenzene-d5	7.304	82	660009	75.164	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	180797	88.920	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	997212	73.534	ng	0.00
79) Terphenyl-d14	12.863	244	763937	52.088	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	90940	14.308	ng	# 80
25) Isophorone	7.304	82	659768	40.918	ng	# 65
54) 2,4-Dinitrophenol	9.845	184	78	6.289	ng	# 1
71) Phenanthrene	11.292	178	117148	7.693	ng	99
72) Anthracene	11.292	178	117148	7.485	ng	100
75) Fluoranthene	12.492	202	190206	11.988	ng	99
77) Benzidine	12.863	184	10877	2.335	ng	99
78) Pyrene	12.722	202	171974	7.945	ng	99
81) Benzo(a)anthracene	13.921	228	90027	6.132	ng	99
83) Chrysene	13.957	228	79959	5.478	ng	97
87) Indeno(1,2,3-cd)pyrene	16.898	276	30189	2.390	ng	99
88) Benzo(b)fluoranthene	14.974	252	108548	10.407	ng	# 88
89) Benzo(k)fluoranthene	14.974	252	108548	10.535	ng	# 88
90) Benzo(a)pyrene	15.339	252	51888	5.216	ng	# 93
92) Benzo(g,h,i)perylene	17.345	276	31061	2.877	ng	# 90

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

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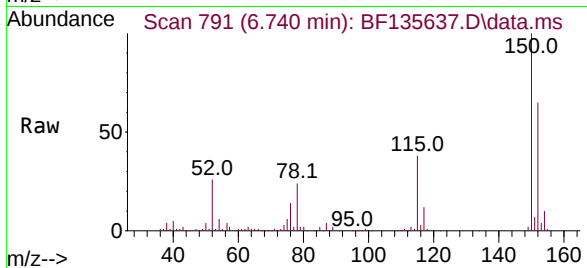
Quant Time: Oct 07 01:51:32 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 04 17:06:20 2023
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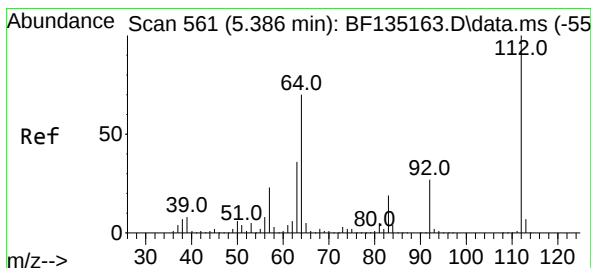
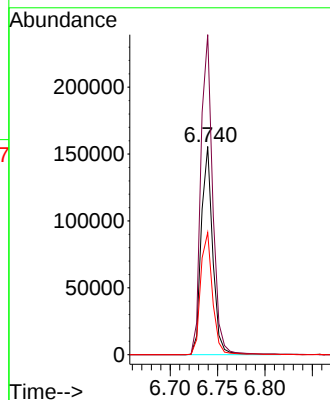
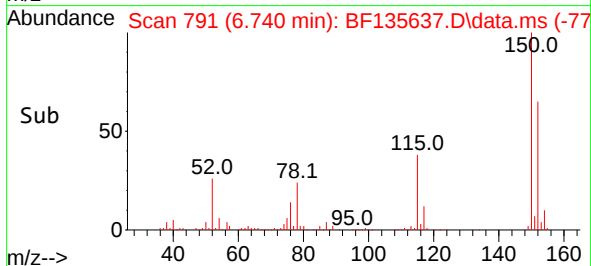


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. 0.001 min
Lab File: BF135637.D
Acq: 06 Oct 2023 19:29

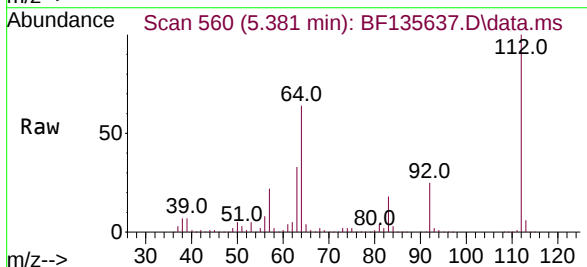
Instrument :
BNA_F
ClientSampleId :



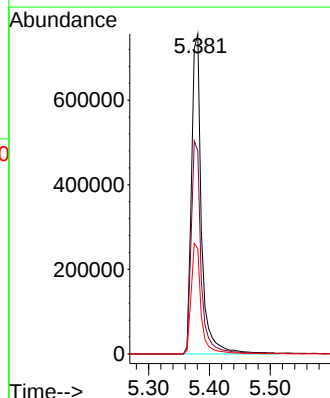
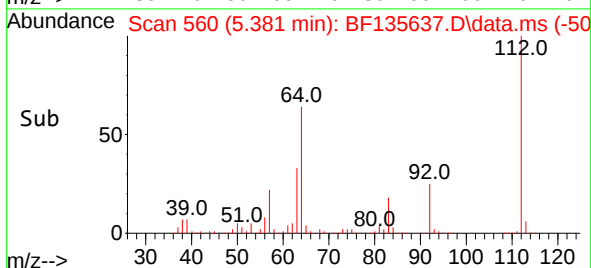
Tgt Ion:152 Resp: 131250
Ion Ratio Lower Upper
152 100
150 153.7 127.8 191.6
115 58.6 49.8 74.8

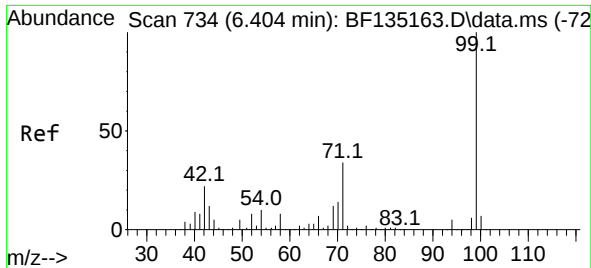


#5
2-Fluorophenol
Concen: 107.103 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.012 min
Lab File: BF135637.D
Acq: 06 Oct 2023 19:29



Tgt Ion:112 Resp: 864297
Ion Ratio Lower Upper
112 100
64 63.5 55.9 83.9
63 32.9 29.0 43.6

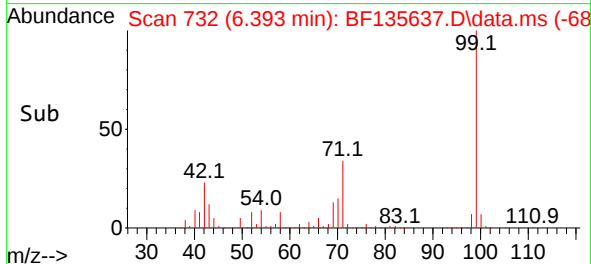
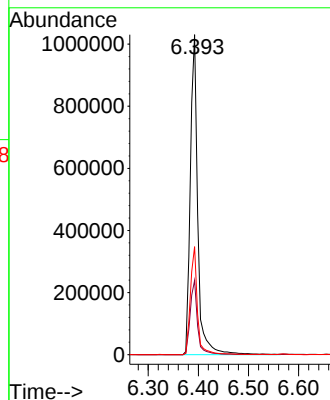
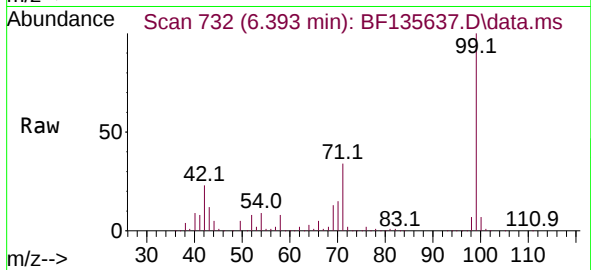




#7
Phenol-d6
Concen: 103.870 ng
RT: 6.393 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF135637.D
Acq: 06 Oct 2023 19:29

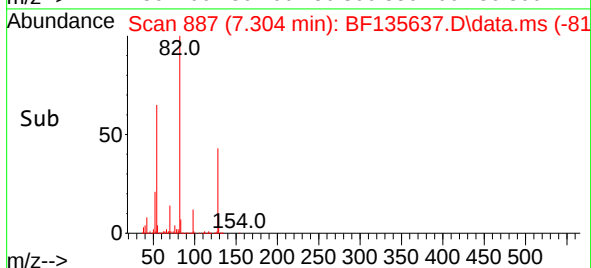
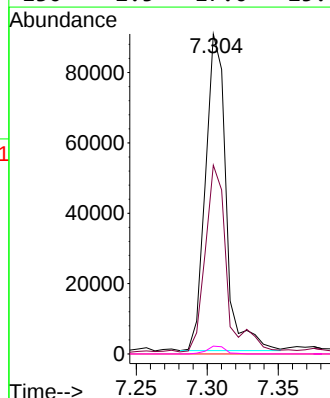
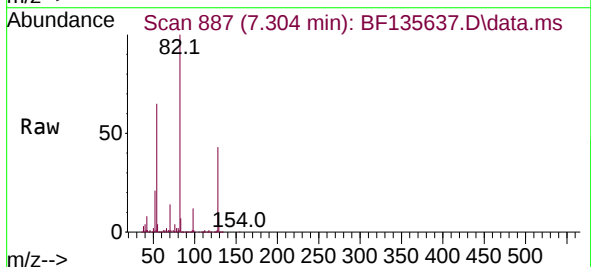
Instrument :
BNA_F
ClientSampleId :

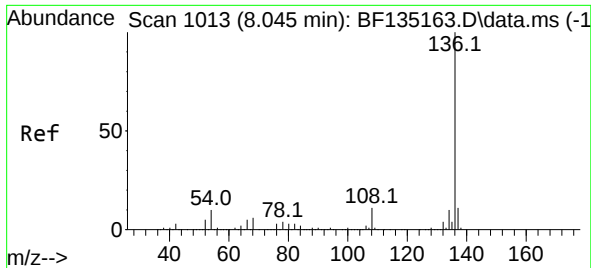
Tgt Ion: 99 Resp: 1065828
Ion Ratio Lower Upper
99 100
42 23.2 17.9 26.9
71 33.8 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 14.308 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF135637.D
Acq: 06 Oct 2023 19:29

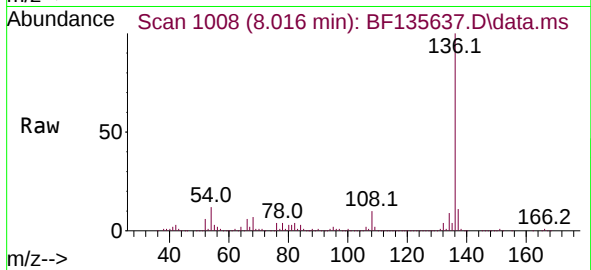
Tgt Ion: 70 Resp: 90940
Ion Ratio Lower Upper
70 100
42 59.0 55.4 83.0
101 0.0 7.7 11.5#
130 2.5 17.0 25.6#



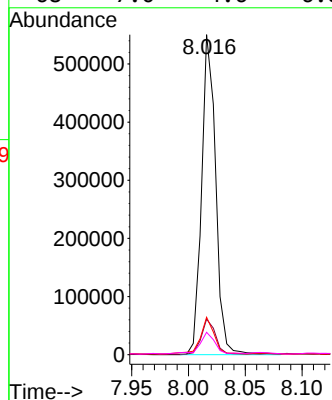
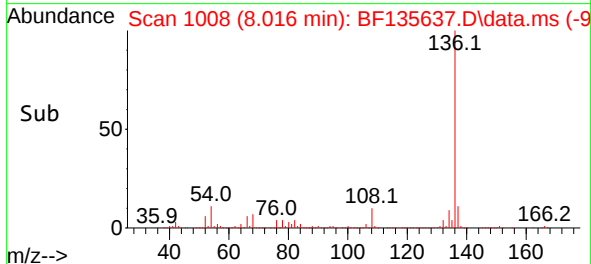


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF135637.D
Acq: 06 Oct 2023 19:29

Instrument :
BNA_F
ClientSampleId :

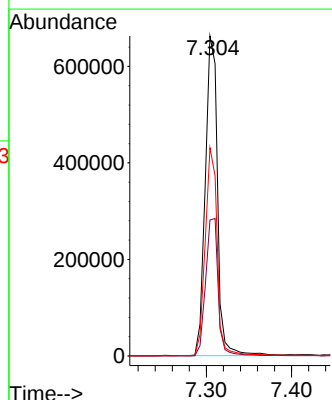
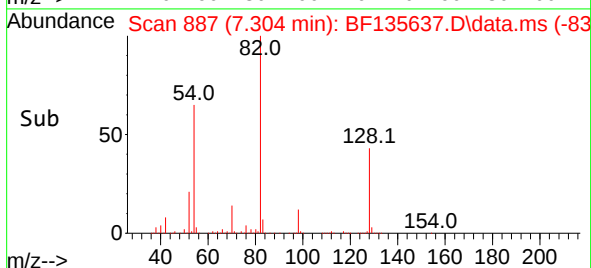
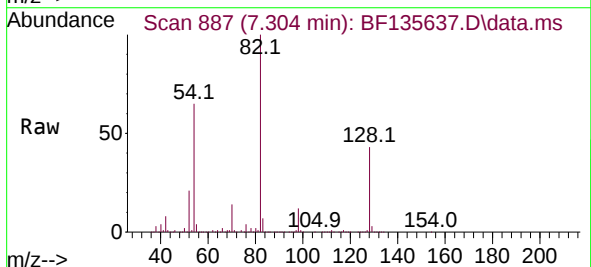


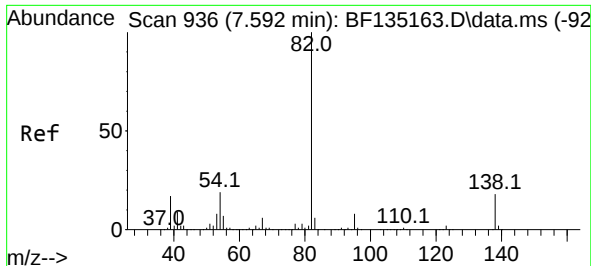
Tgt Ion:136 Resp: 477064
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 11.7 7.7 11.5#
68 7.0 4.6 6.8#



#23
Nitrobenzene-d5
Concen: 75.164 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135637.D
Acq: 06 Oct 2023 19:29

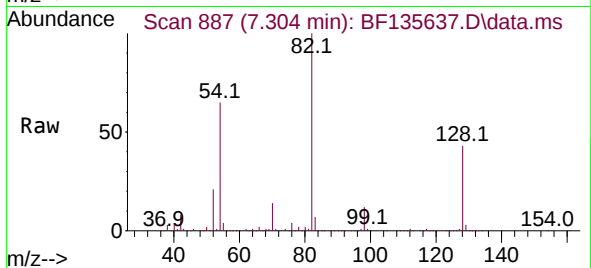
Tgt Ion: 82 Resp: 660009
Ion Ratio Lower Upper
82 100
128 42.5 35.8 53.6
54 65.1 50.6 76.0



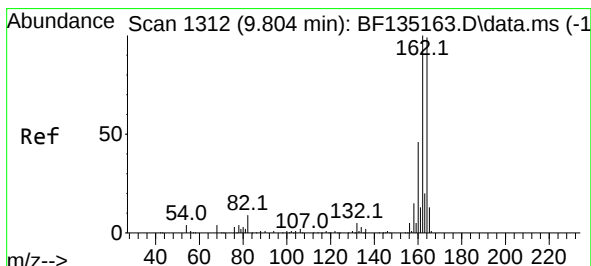
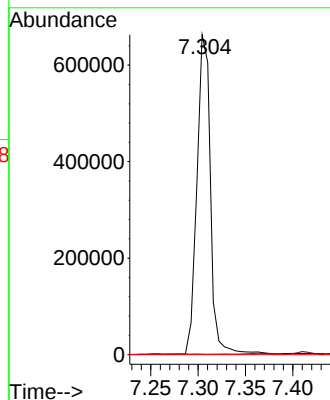
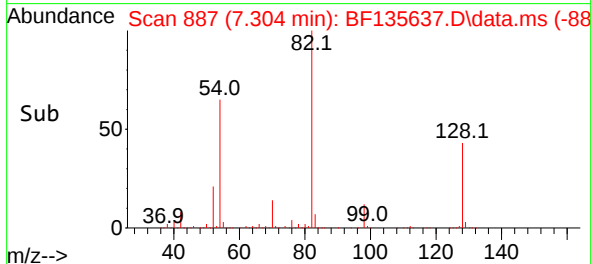


#25
Isophorone
Concen: 40.918 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135637.D
Acq: 06 Oct 2023 19:29

Instrument :
BNA_F
ClientSampleId :

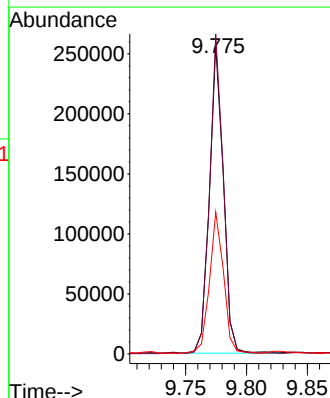
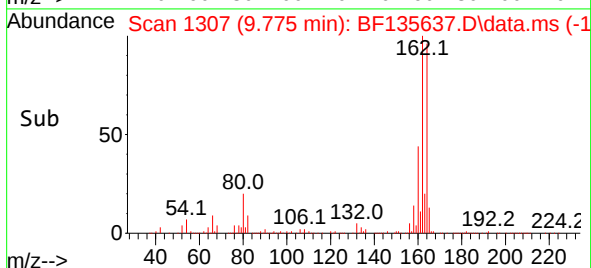
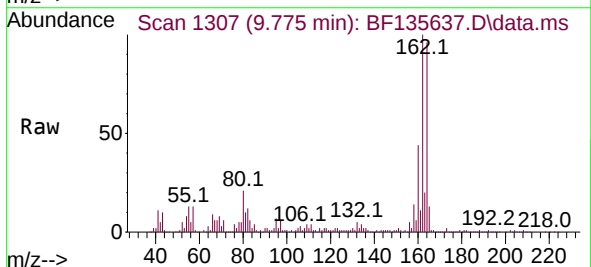


Tgt Ion: 82 Resp: 659768
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.000 min
Lab File: BF135637.D
Acq: 06 Oct 2023 19:29

Tgt Ion:164 Resp: 204602
Ion Ratio Lower Upper
164 100
162 103.7 81.0 121.4
160 46.0 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 88.920 ng

RT: 10.575 min Scan# 1443

Delta R.T. 0.006 min

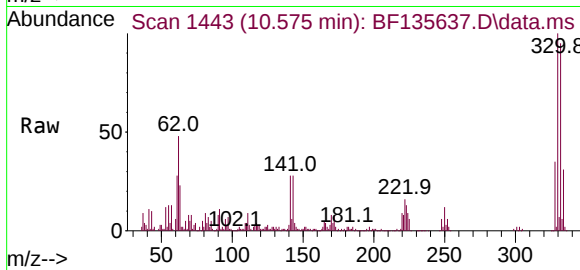
Lab File: BF135637.D

Acq: 06 Oct 2023 19:29

Instrument :

BNA_F

ClientSampleId :



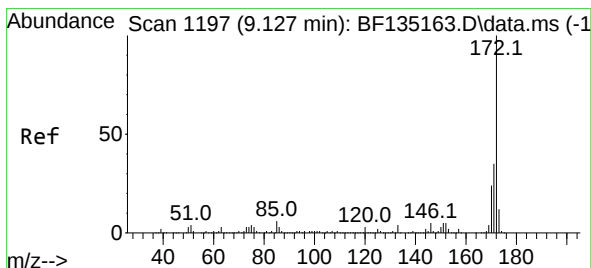
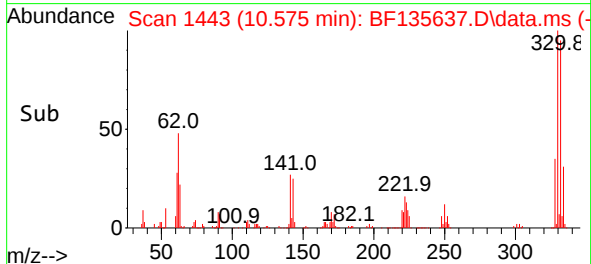
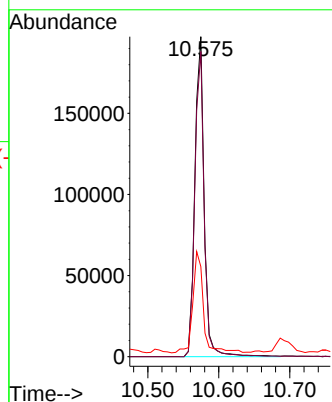
Tgt Ion:330 Resp: 180797

Ion Ratio Lower Upper

330 100

332 95.8 77.3 115.9

141 35.6 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 73.534 ng

RT: 9.098 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF135637.D

Acq: 06 Oct 2023 19:29

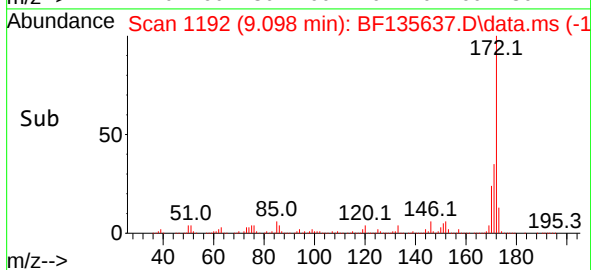
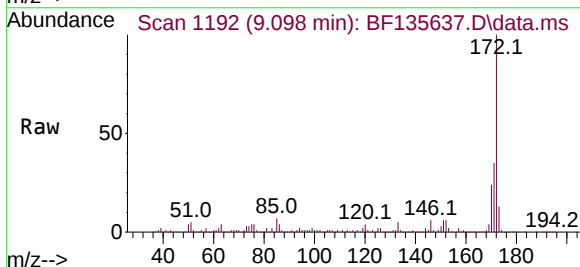
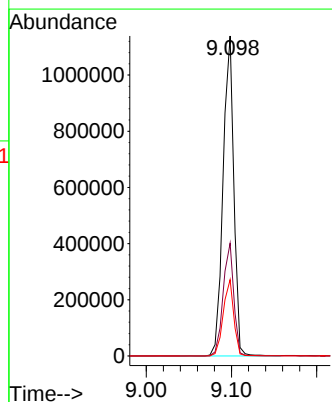
Tgt Ion:172 Resp: 997212

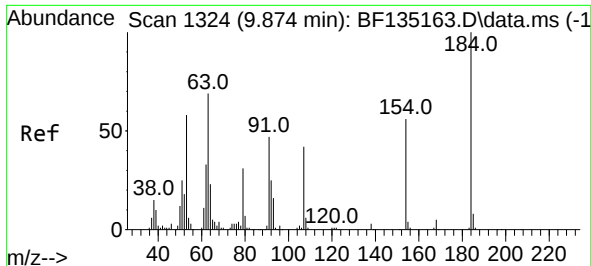
Ion Ratio Lower Upper

172 100

171 35.3 28.4 42.6

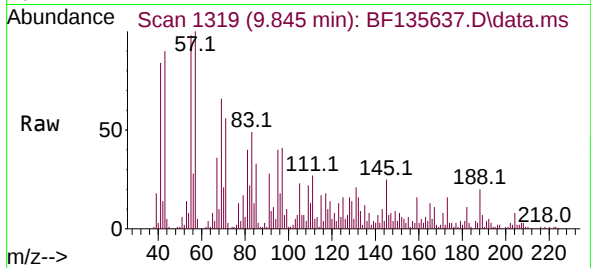
170 23.9 19.0 28.4



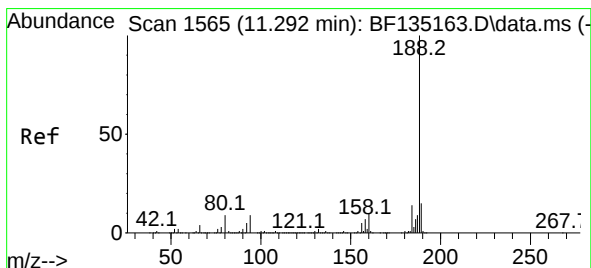
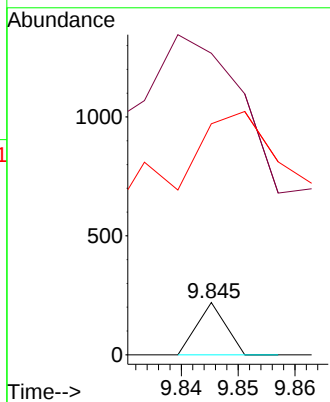
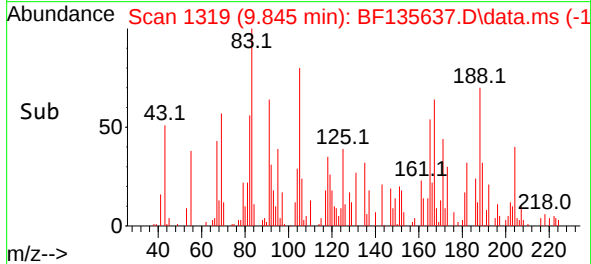


#54
2,4-Dinitrophenol
Concen: 6.289 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF135637.D
Acq: 06 Oct 2023 19:29

Instrument :
BNA_F
ClientSampleId :

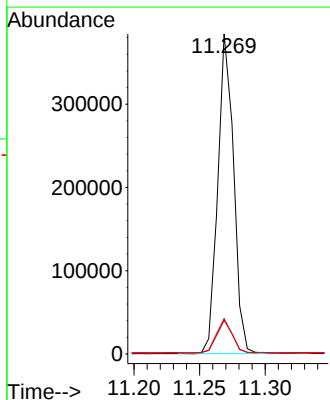
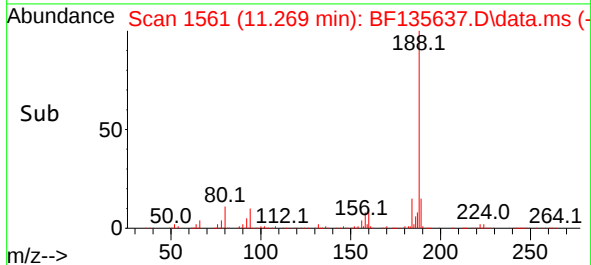
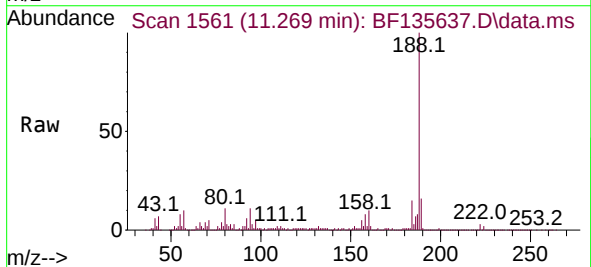


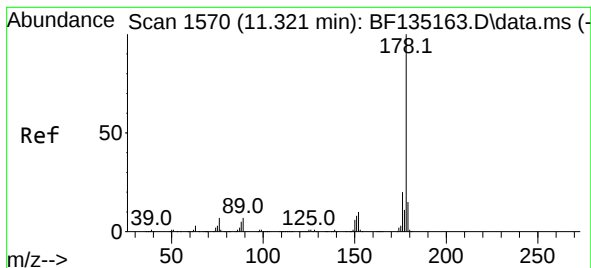
Tgt Ion:184 Resp: 78
Ion Ratio Lower Upper
184 100
63 576.4 55.1 82.7#
154 441.4 48.4 72.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BF135637.D
Acq: 06 Oct 2023 19:29

Tgt Ion:188 Resp: 321953
Ion Ratio Lower Upper
188 100
94 10.5 7.0 10.6
80 11.0 7.5 11.3





#71

Phenanthrene

Concen: 7.693 ng

RT: 11.292 min Scan# 1565

Delta R.T. 0.000 min

Lab File: BF135637.D

Acq: 06 Oct 2023 19:29

Instrument :

BNA_F

ClientSampleId :

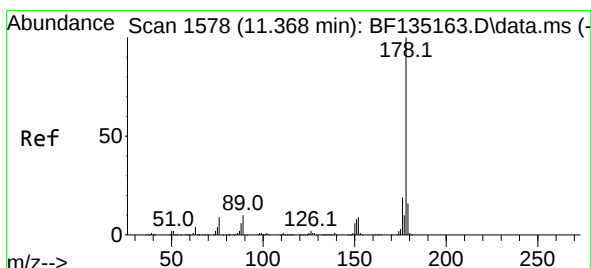
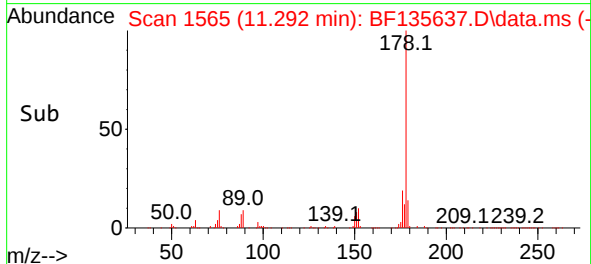
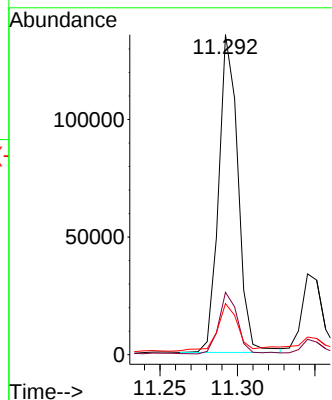
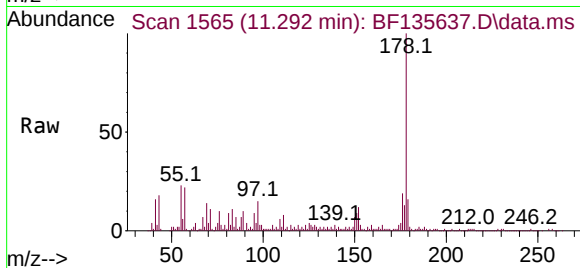
Tgt Ion:178 Resp: 117148

Ion Ratio Lower Upper

178 100

176 19.5 15.6 23.4

179 16.0 12.0 18.0



#72

Anthracene

Concen: 7.485 ng

RT: 11.292 min Scan# 1565

Delta R.T. -0.053 min

Lab File: BF135637.D

Acq: 06 Oct 2023 19:29

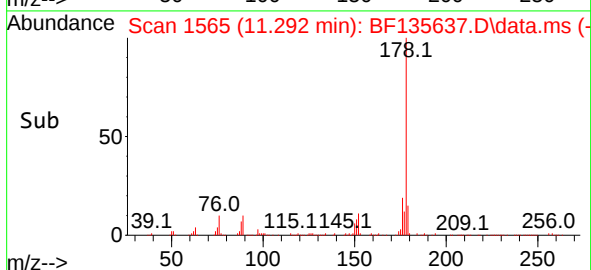
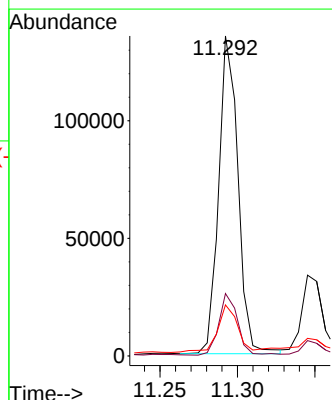
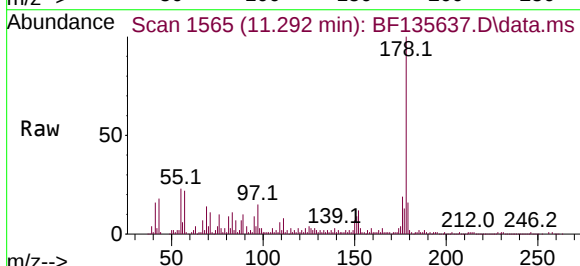
Tgt Ion:178 Resp: 117148

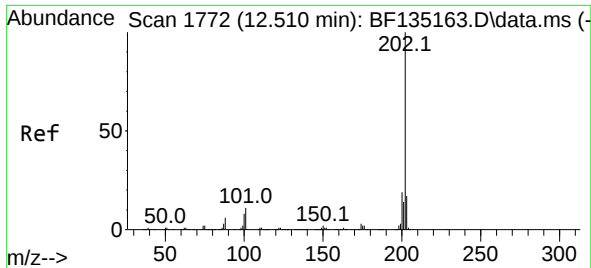
Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

179 16.0 12.6 19.0

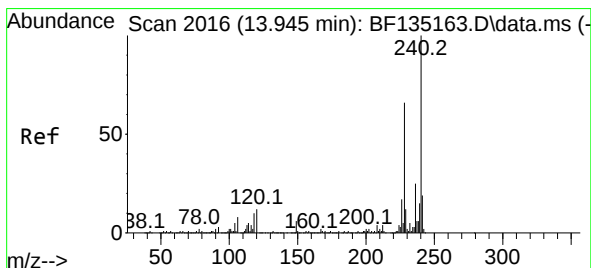
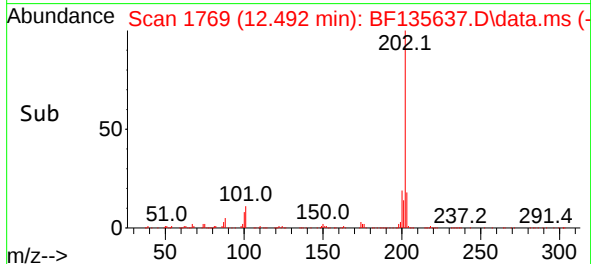
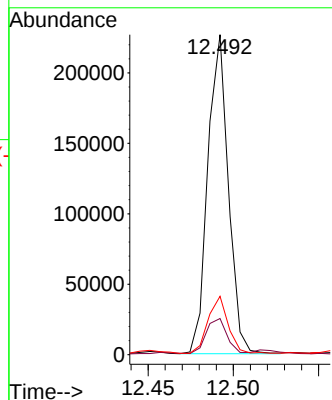
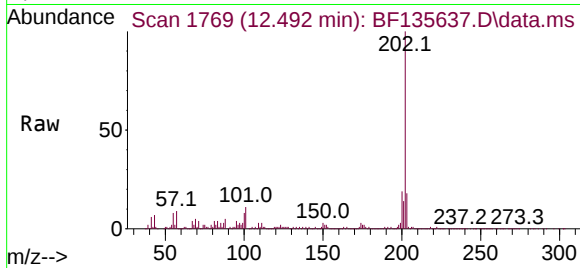




#75
Fluoranthene
Concen: 11.988 ng
RT: 12.492 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF135637.D
Acq: 06 Oct 2023 19:29

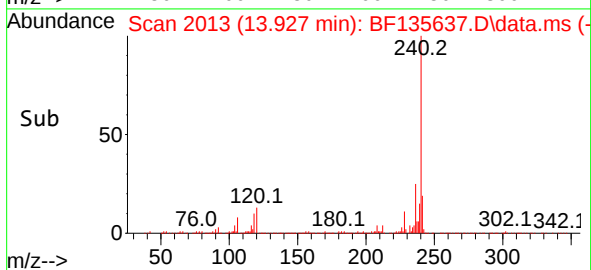
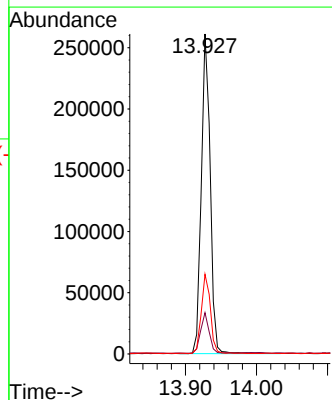
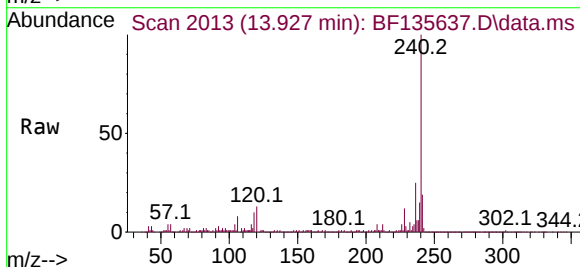
Instrument :
BNA_F
ClientSampleId :

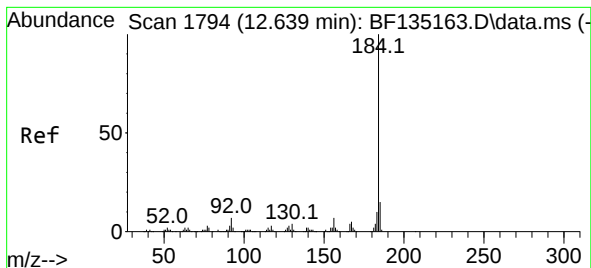
Tgt Ion:202 Resp: 190206
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.3
203 18.3 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.927 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BF135637.D
Acq: 06 Oct 2023 19:29

Tgt Ion:240 Resp: 227355
Ion Ratio Lower Upper
240 100
120 12.9 9.4 14.2
236 24.9 19.8 29.8





#77

Benzidine

Concen: 2.335 ng

RT: 12.863 min Scan# 1832

Delta R.T. 0.247 min

Lab File: BF135637.D

Acq: 06 Oct 2023 19:29

Instrument :

BNA_F

ClientSampleId :

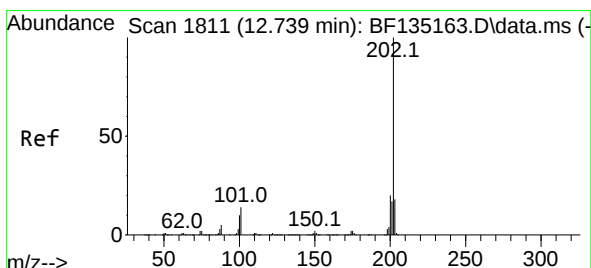
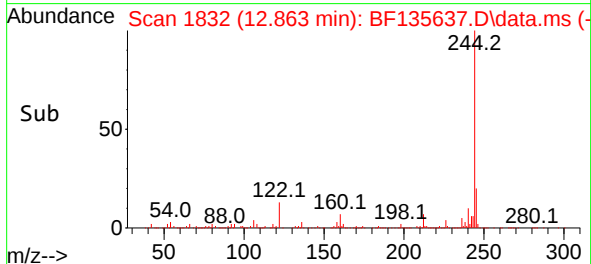
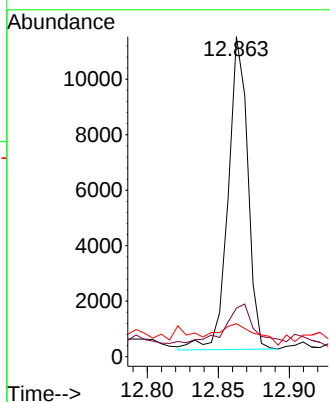
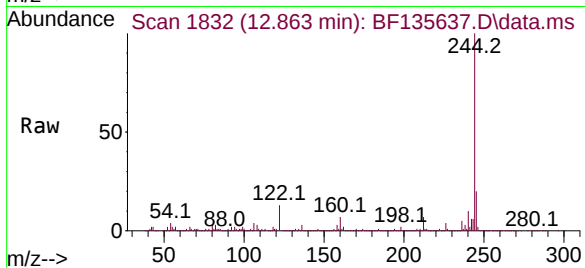
Tgt Ion:184 Resp: 10877

Ion Ratio Lower Upper

184 100

185 15.2 11.7 17.5

183 10.3 8.2 12.4



#78

Pyrene

Concen: 7.945 ng

RT: 12.722 min Scan# 1808

Delta R.T. 0.006 min

Lab File: BF135637.D

Acq: 06 Oct 2023 19:29

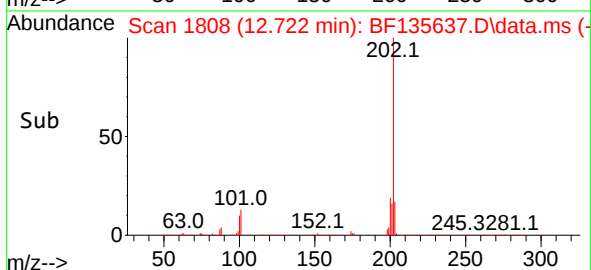
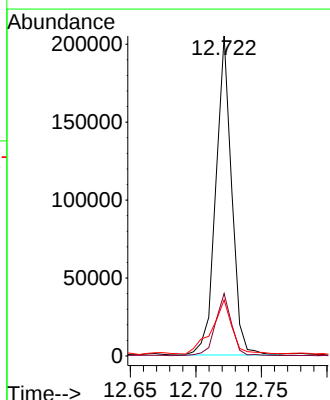
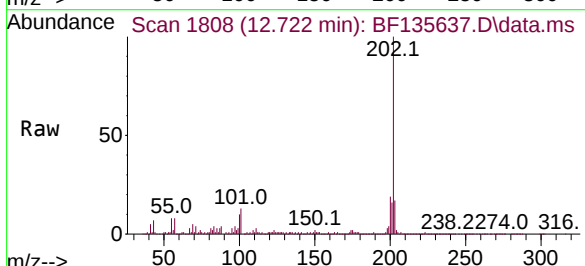
Tgt Ion:202 Resp: 171974

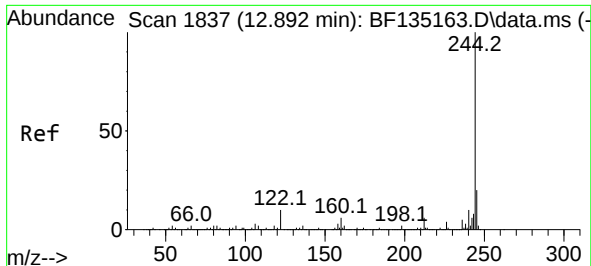
Ion Ratio Lower Upper

202 100

200 19.5 16.2 24.2

203 17.5 14.2 21.4

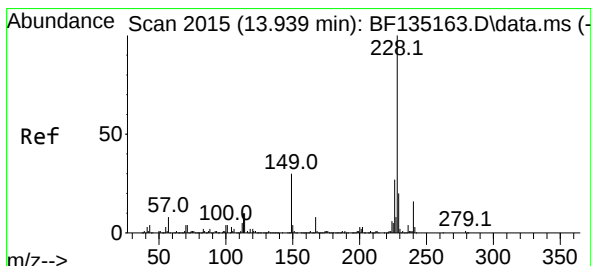
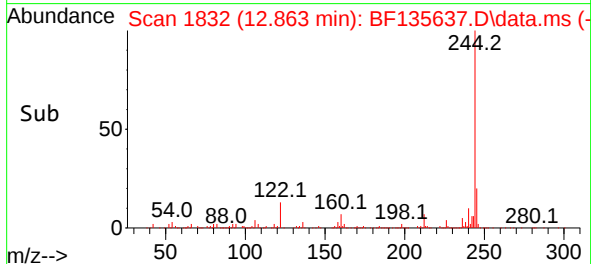
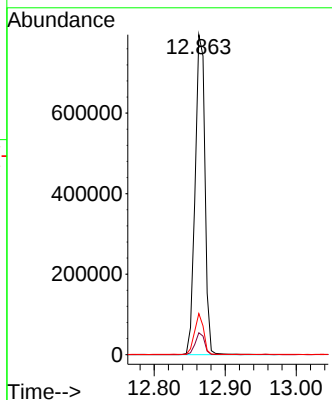
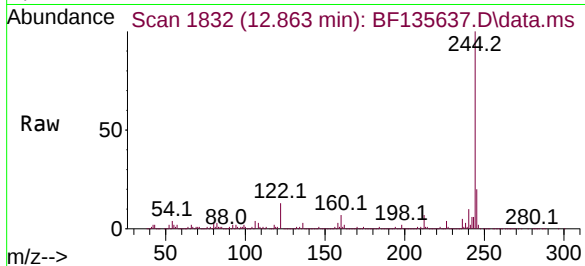




#79
 Terphenyl-d14
 Concen: 52.088 ng
 RT: 12.863 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF135637.D
 Acq: 06 Oct 2023 19:29

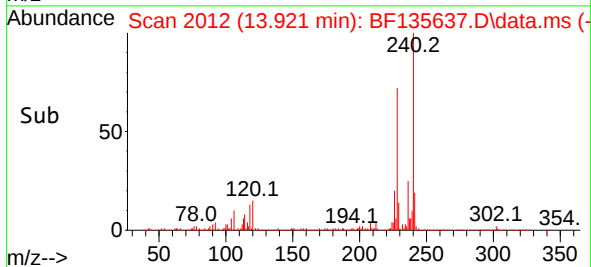
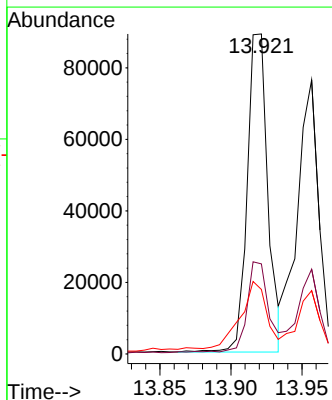
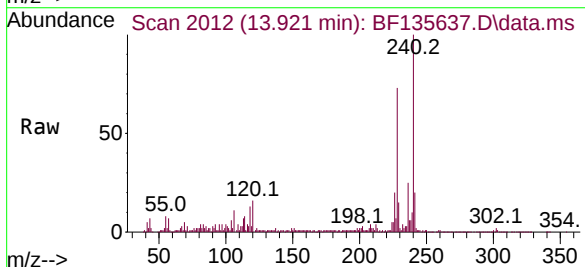
Instrument :
 BNA_F
 ClientSampleId :

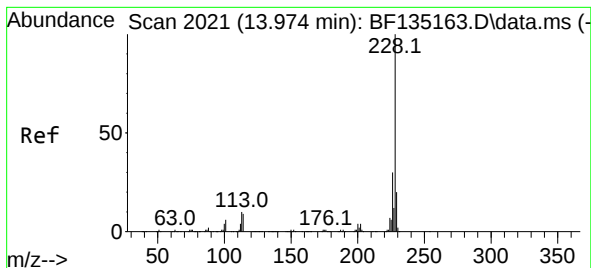
Tgt Ion:244 Resp: 763937
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.1 7.7
 122 12.9 7.9 11.9#



#81
 Benzo(a)anthracene
 Concen: 6.132 ng
 RT: 13.921 min Scan# 2012
 Delta R.T. 0.006 min
 Lab File: BF135637.D
 Acq: 06 Oct 2023 19:29

Tgt Ion:228 Resp: 90027
 Ion Ratio Lower Upper
 228 100
 226 28.1 21.7 32.5
 229 20.1 15.8 23.8





#83

Chrysene

Concen: 5.478 ng

RT: 13.957 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF135637.D

Acq: 06 Oct 2023 19:29

Instrument :

BNA_F

ClientSampleId :

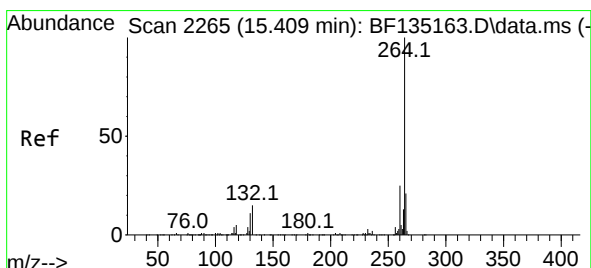
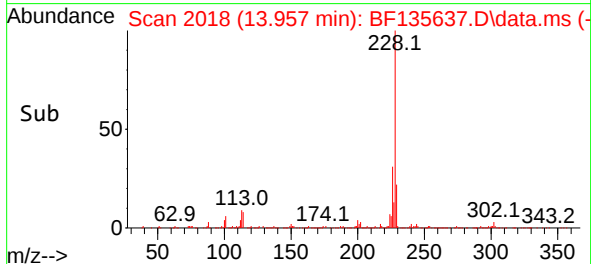
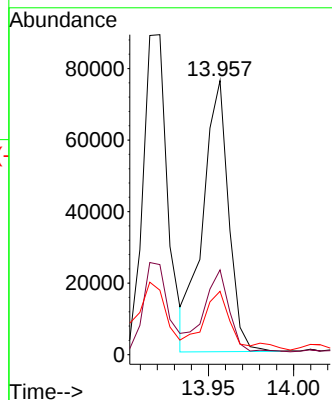
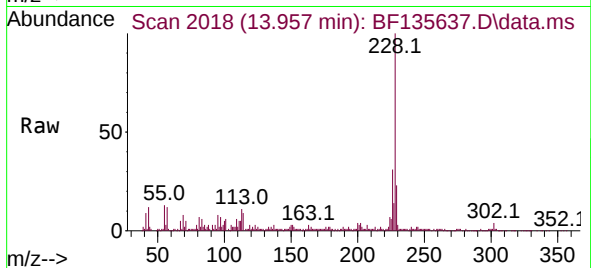
Tgt Ion:228 Resp: 79959

Ion Ratio Lower Upper

228 100

226 31.0 24.3 36.5

229 23.1 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.398 min Scan# 2263

Delta R.T. 0.012 min

Lab File: BF135637.D

Acq: 06 Oct 2023 19:29

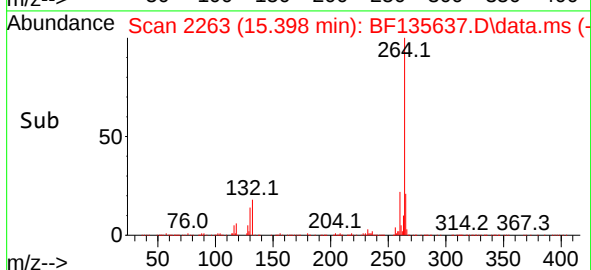
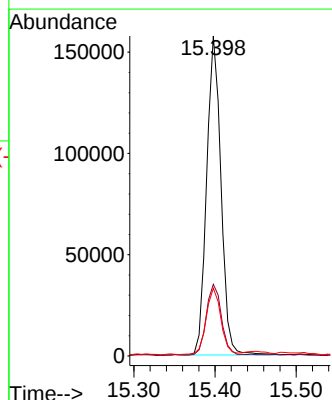
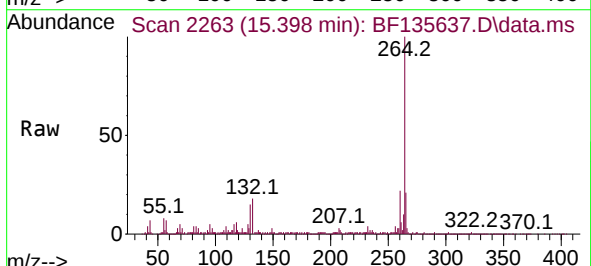
Tgt Ion:264 Resp: 192682

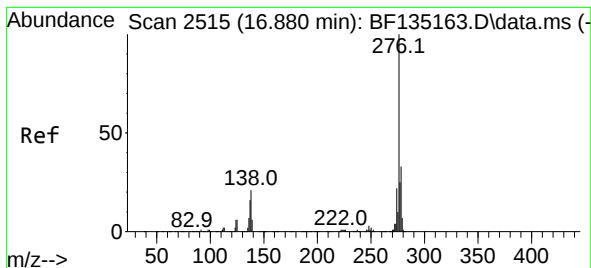
Ion Ratio Lower Upper

264 100

260 22.4 19.8 29.6

265 21.2 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.390 ng

RT: 16.898 min Scan# 2118

Delta R.T. 0.030 min

Lab File: BF135637.D

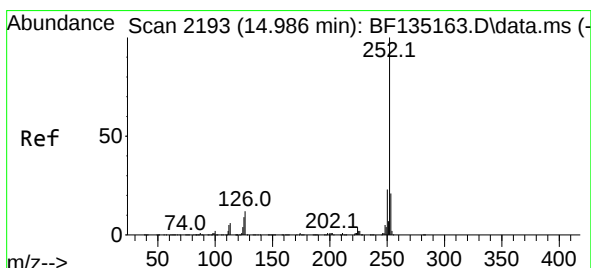
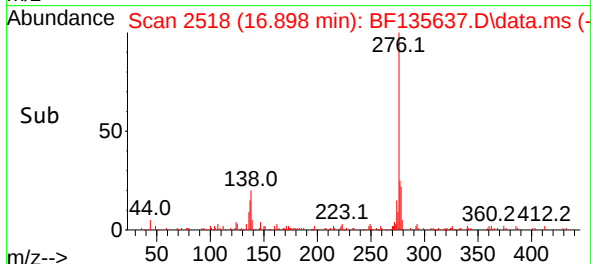
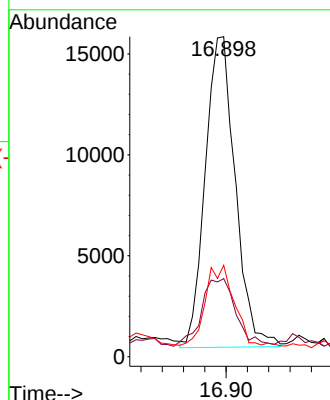
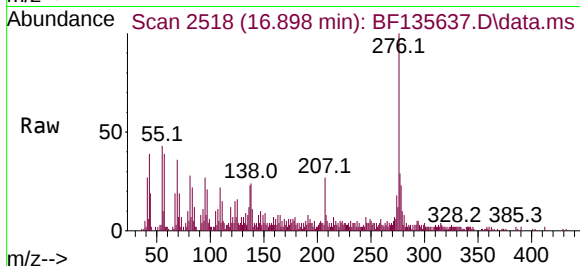
Acq: 06 Oct 2023 19:29

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	276	Resp:	30189
Ion	Ratio	Lower	Upper
276	100		
138	25.0	19.2	28.8
277	24.7	19.7	29.5



#88

Benzo(b)fluoranthene

Concen: 10.407 ng

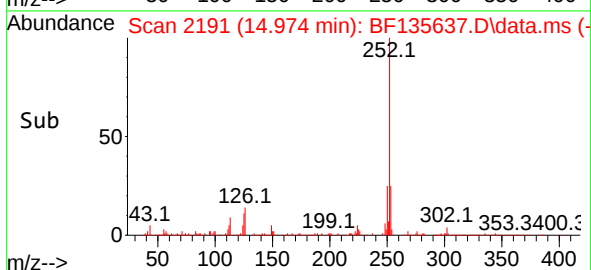
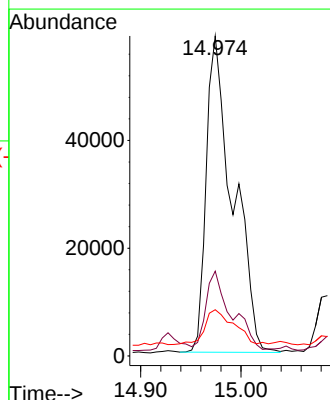
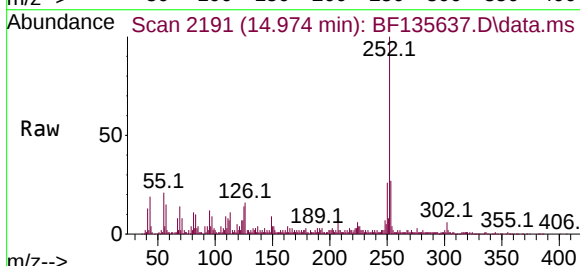
RT: 14.974 min Scan# 2191

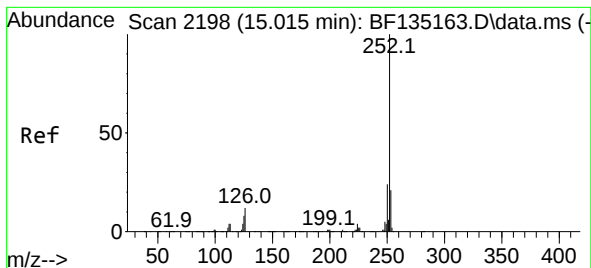
Delta R.T. 0.012 min

Lab File: BF135637.D

Acq: 06 Oct 2023 19:29

Tgt Ion:	252	Resp:	108548
Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.2	25.8#
125	14.5	7.1	10.7#





#89

Benzo(k)fluoranthene

Concen: 10.535 ng

RT: 14.974 min Scan# 2198

Delta R.T. -0.017 min

Lab File: BF135637.D

Acq: 06 Oct 2023 19:29

Instrument :

BNA_F

ClientSampleId :

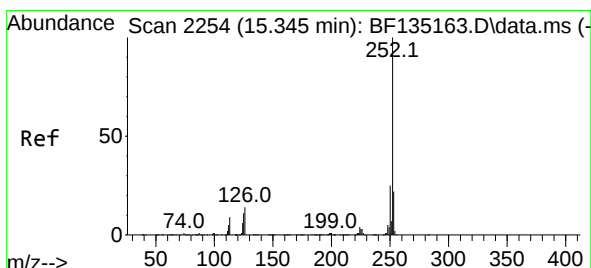
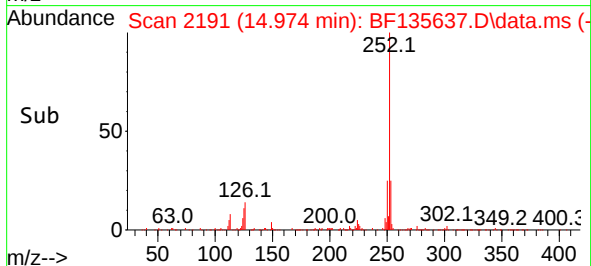
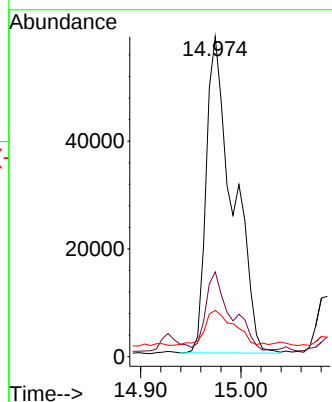
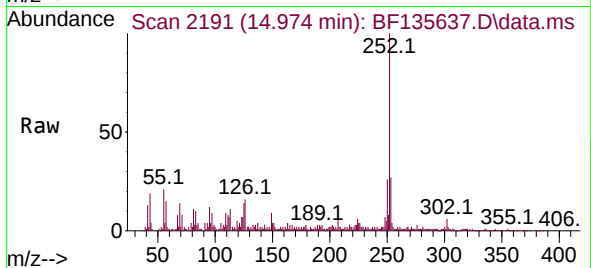
Tgt Ion:252 Resp: 108548

Ion Ratio Lower Upper

252 100

253 26.5 17.4 26.0#

125 14.5 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 5.216 ng

RT: 15.339 min Scan# 2253

Delta R.T. 0.012 min

Lab File: BF135637.D

Acq: 06 Oct 2023 19:29

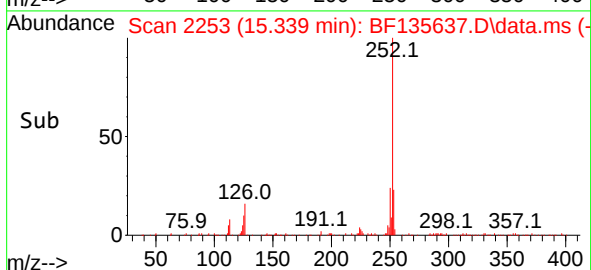
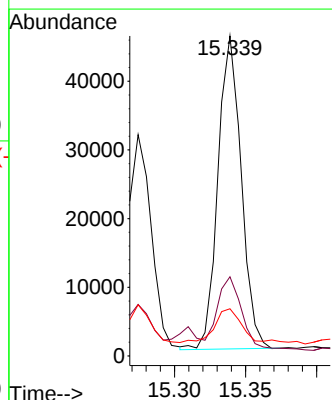
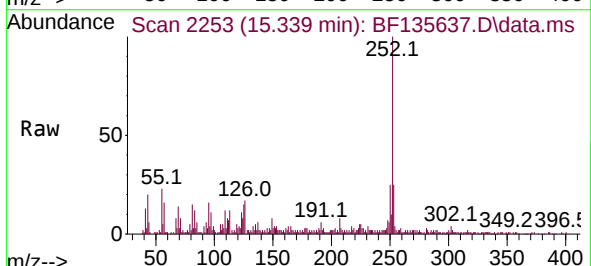
Tgt Ion:252 Resp: 51888

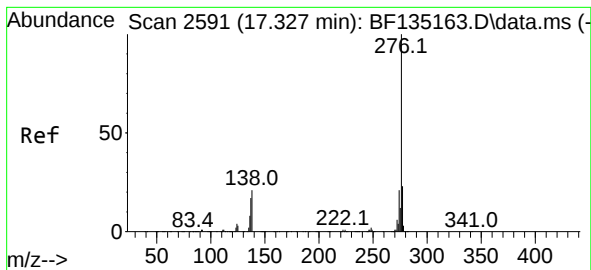
Ion Ratio Lower Upper

252 100

253 24.7 17.5 26.3

125 14.7 9.2 13.8#





#92

Benzo(g,h,i)perylene

Concen: 2.877 ng

RT: 17.345 min Scan# 21

Delta R.T. 0.030 min

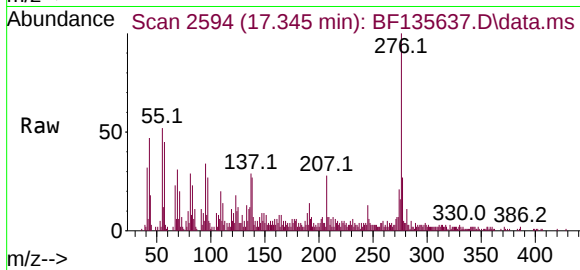
Lab File: BF135637.D

Acq: 06 Oct 2023 19:29

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:276 Resp: 31061

Ion Ratio Lower Upper

276 100

277 27.1 18.8 28.2

138 27.3 16.9 25.3#

