

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
 Data File : BF135833.D
 Acq On : 18 Oct 2023 02:07
 Operator : CG\JU
 Sample : 04817-01DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11930DL

Quant Time: Oct 18 05:05:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

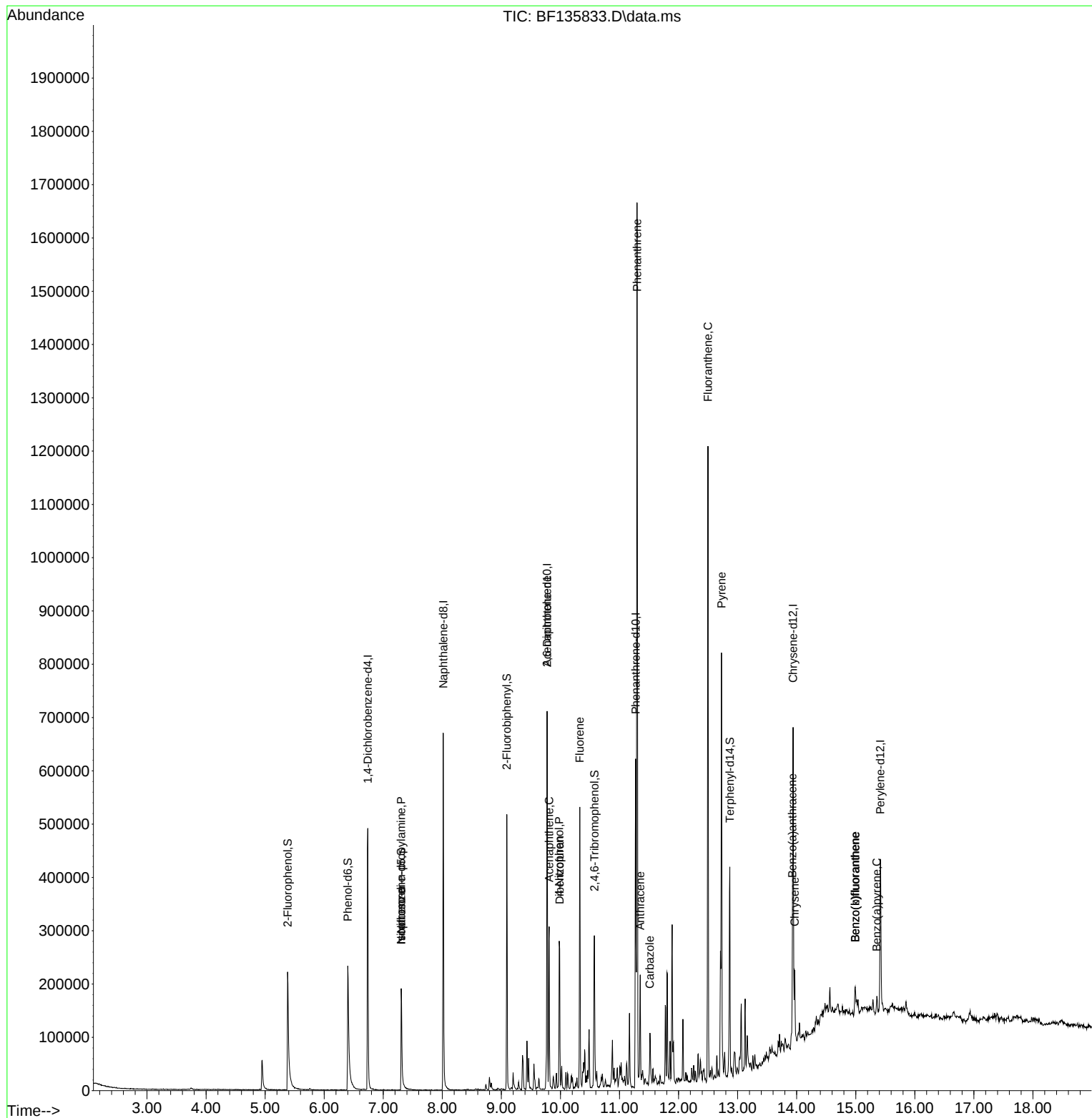
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	78028	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	279333	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	126045	20.000	ng	-0.01
64) Phenanthrene-d10	11.275	188	221334	20.000	ng	0.00
76) Chrysene-d12	13.939	240	176230	20.000	ng	-0.01
86) Perylene-d12	15.415	264	146239	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	102020	21.021	ng	0.00
7) Phenol-d6	6.398	99	133674	22.075	ng	0.00
23) Nitrobenzene-d5	7.304	82	75274	14.821	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	25591	21.158	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	141559	17.560	ng	-0.01
79) Terphenyl-d14	12.869	244	133456	14.024	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	9972	2.663	ng	# 72
25) Isophorone	7.304	82	75274	7.856	ng	# 66
51) 2,6-Dinitrotoluene	9.775	165	18916	10.338	ng	# 16
52) Acenaphthene	9.810	154	64236	9.307	ng	99
55) Dibenzofuran	9.986	168	105636	10.143	ng	94
56) 4-Nitrophenol	9.981	139	38555	40.431	ng	# 6
58) Fluorene	10.328	166	132512	16.253	ng	99
71) Phenanthrene	11.298	178	573262	54.066	ng	99
72) Anthracene	11.351	178	78689	7.162	ng	99
73) Carbazole	11.516	167	35139	3.429	ng	99
75) Fluoranthene	12.498	202	455231	38.684	ng	98
78) Pyrene	12.727	202	318570	22.748	ng	99
81) Benzo(a)anthracene	13.927	228	68666	5.932	ng	99
83) Chrysene	13.968	228	55998	4.995	ng	97
88) Benzo(b)fluoranthene	14.992	252	40089	4.898	ng	# 95
89) Benzo(k)fluoranthene	14.992	252	40089	5.045	ng	# 97
90) Benzo(a)pyrene	15.357	252	16033	2.083	ng	# 91

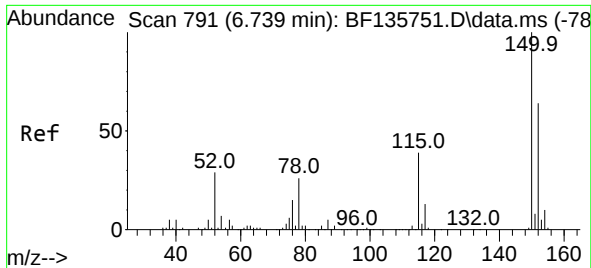
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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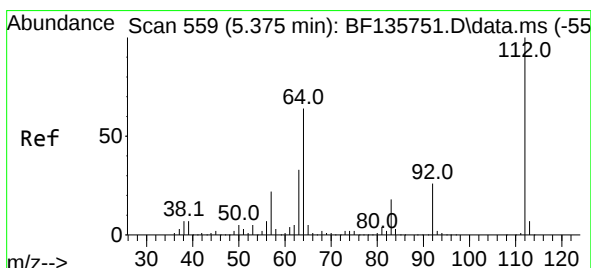
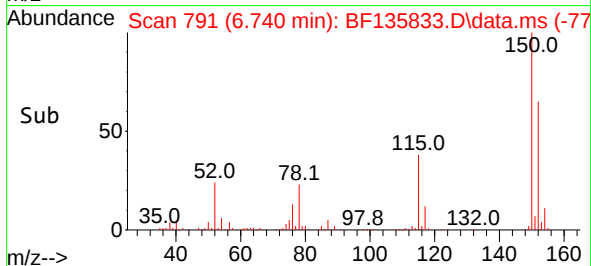
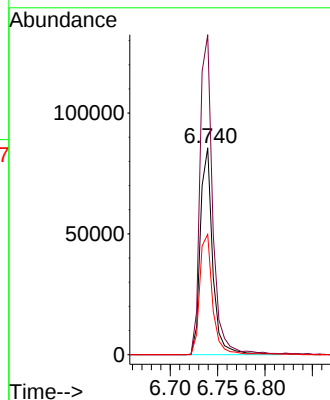
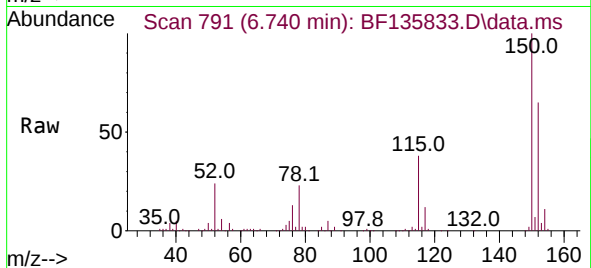




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135833.D
Acq: 18 Oct 2023 02:07

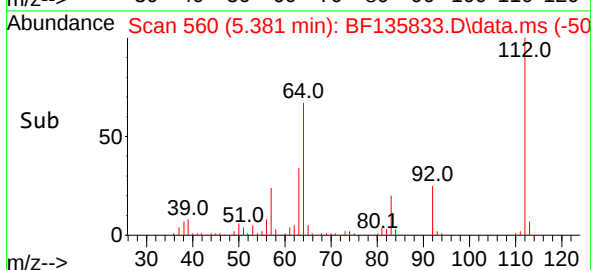
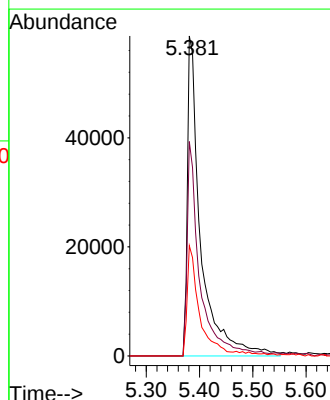
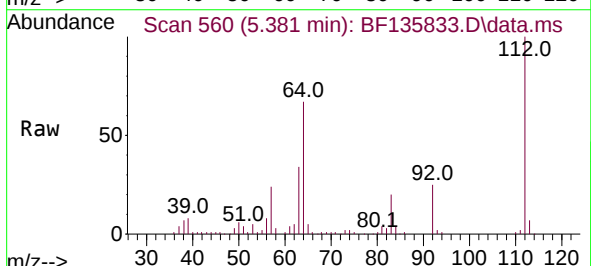
Instrument :
BNA_F
ClientSampleId :
72-11930DL

Tgt Ion:152 Resp: 78028
Ion Ratio Lower Upper
152 100
150 154.6 124.5 186.7
115 58.2 49.0 73.4



#5
2-Fluorophenol
Concen: 21.021 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.006 min
Lab File: BF135833.D
Acq: 18 Oct 2023 02:07

Tgt Ion:112 Resp: 102020
Ion Ratio Lower Upper
112 100
64 67.0 51.2 76.8
63 34.4 26.1 39.1

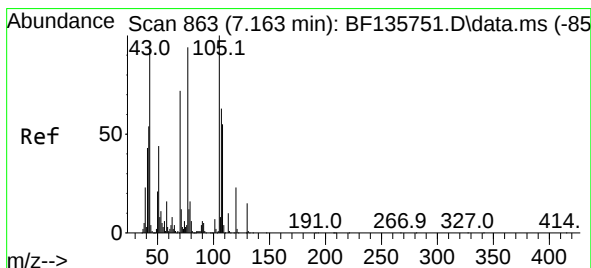
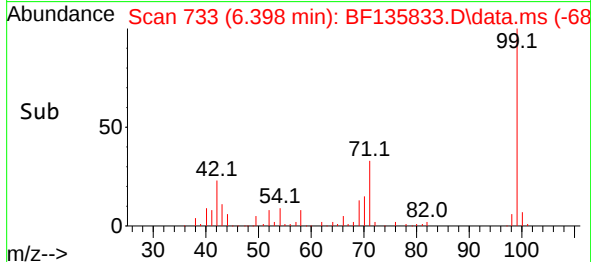
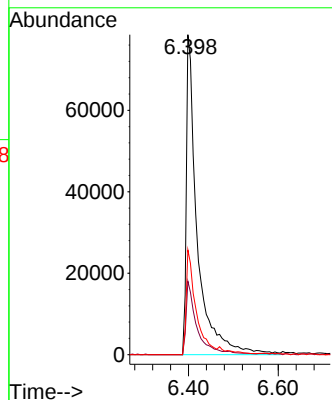
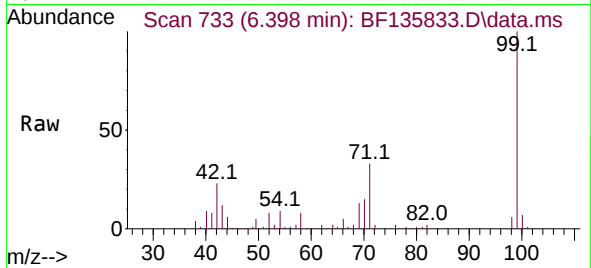




#7
Phenol-d6
Concen: 22.075 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135833.D
Acq: 18 Oct 2023 02:07

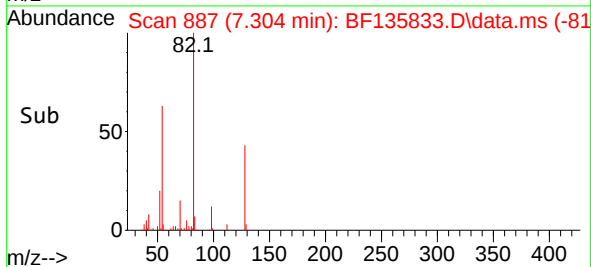
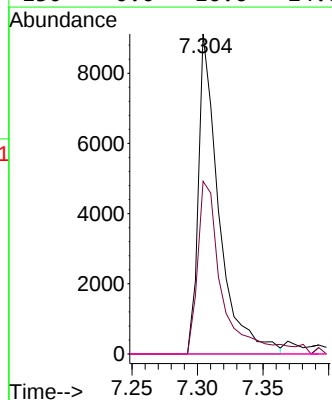
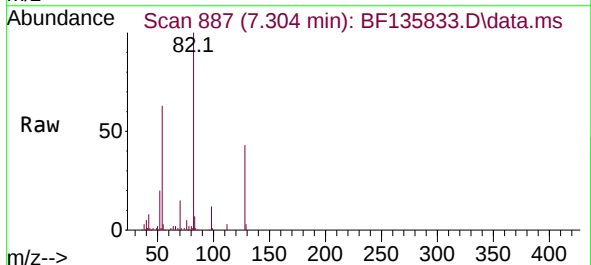
Instrument :
BNA_F
ClientSampleId :
72-11930DL

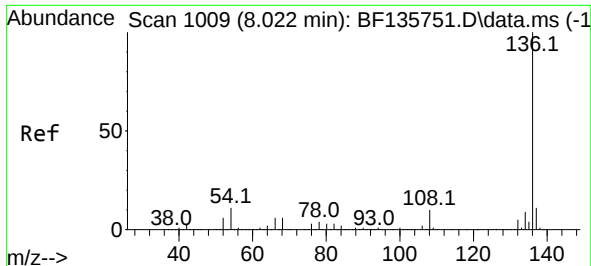
Tgt Ion: 99 Resp: 133674
Ion Ratio Lower Upper
99 100
42 22.9 18.4 27.6
71 32.7 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 2.663 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135833.D
Acq: 18 Oct 2023 02:07

Tgt Ion: 70 Resp: 9972
Ion Ratio Lower Upper
70 100
42 53.9 59.8 89.6#
101 0.0 7.4 11.2#
130 0.0 16.6 24.8#



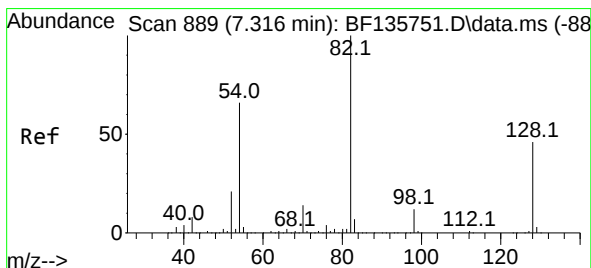
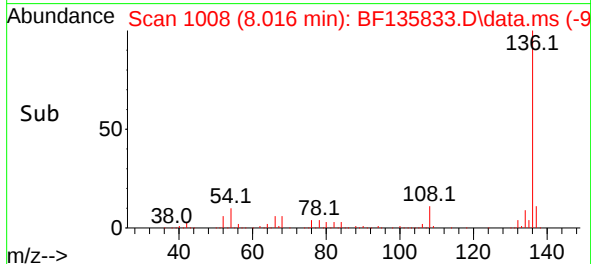
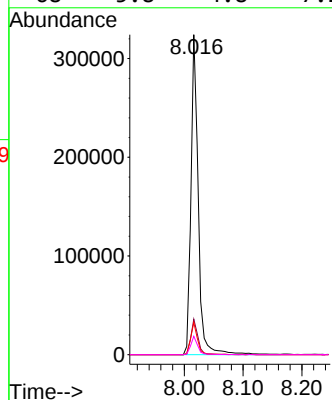
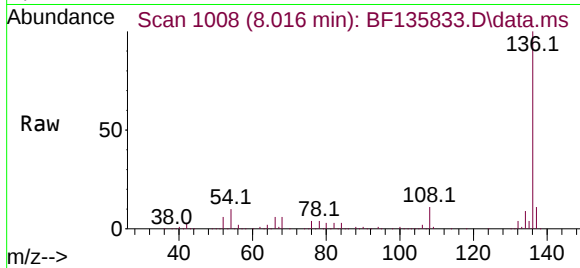


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135833.D
Acq: 18 Oct 2023 02:07

Instrument :
BNA_F
ClientSampleId :
72-11930DL

Tgt Ion:136 Resp: 279333

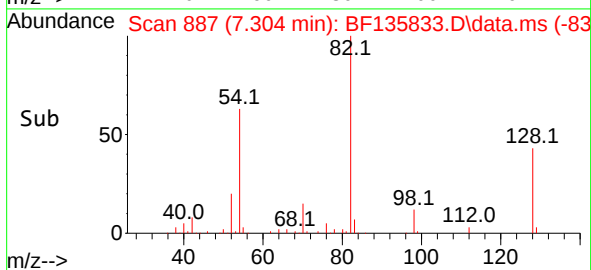
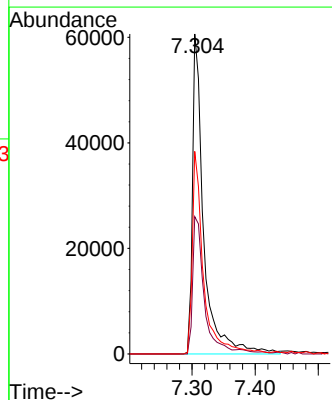
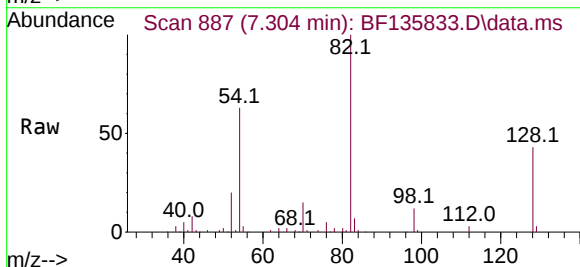
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	10.1	8.5	12.7
68	5.8	4.8	7.2

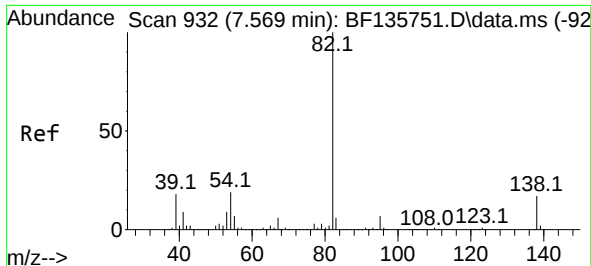


#23
Nitrobenzene-d5
Concen: 14.821 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF135833.D
Acq: 18 Oct 2023 02:07

Tgt Ion: 82 Resp: 75274

Ion	Ratio	Lower	Upper
82	100		
128	42.9	37.0	55.6
54	63.3	52.8	79.2

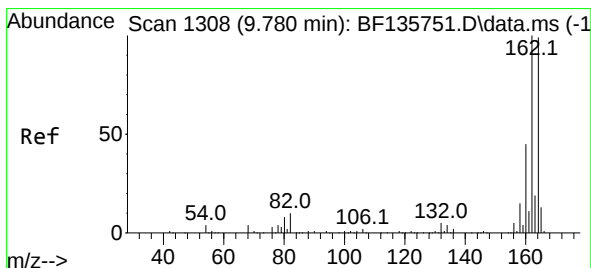
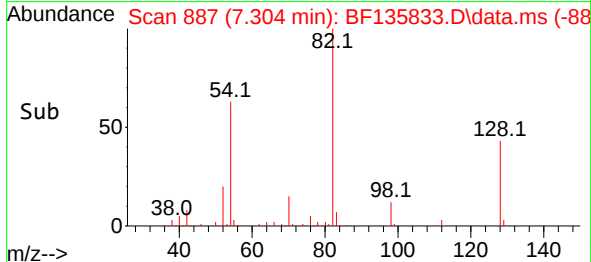
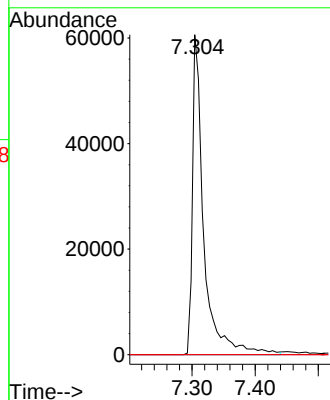
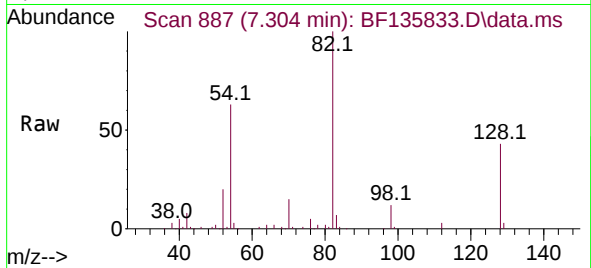




#25
Isophorone
Concen: 7.856 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135833.D
Acq: 18 Oct 2023 02:07

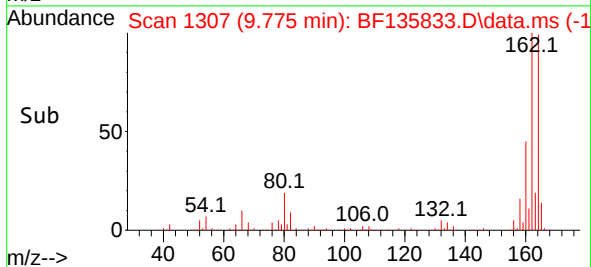
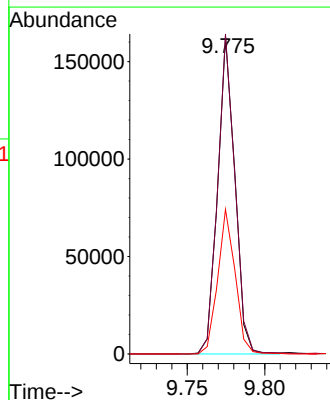
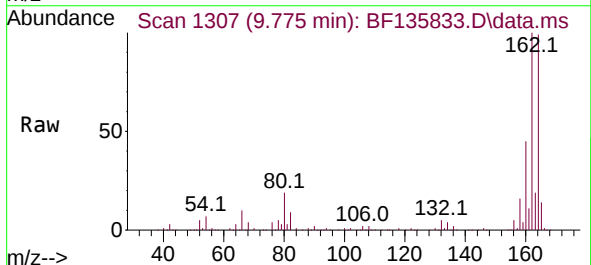
Instrument :
BNA_F
ClientSampleId :
72-11930DL

Tgt Ion: 82 Resp: 75274
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135833.D
Acq: 18 Oct 2023 02:07

Tgt Ion:164 Resp: 126045
Ion Ratio Lower Upper
164 100
162 100.7 80.8 121.2
160 45.5 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 21.158 ng

RT: 10.575 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF135833.D

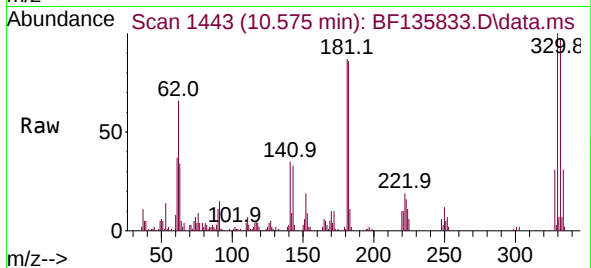
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Instrument :

BNA_F

ClientSampleId :

72-11930DL



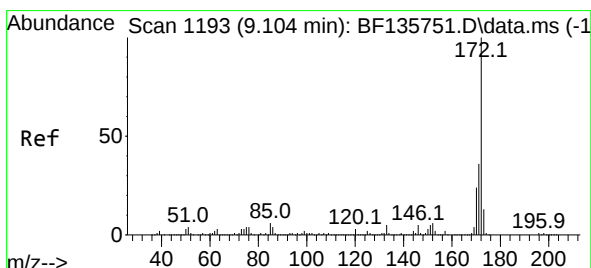
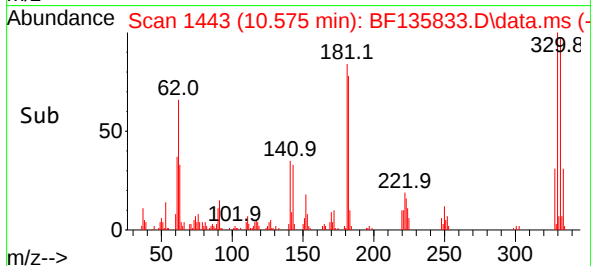
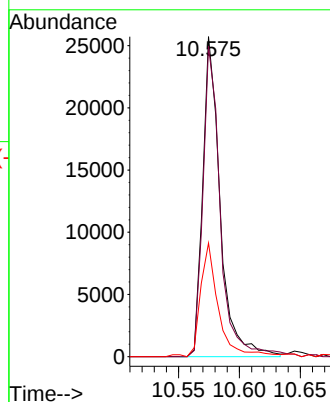
Tgt Ion:330 Resp: 25591

Ion Ratio Lower Upper

330 100

332 97.0 75.0 112.4

141 37.2 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 17.560 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135833.D

Acq: 18 Oct 2023 02:07

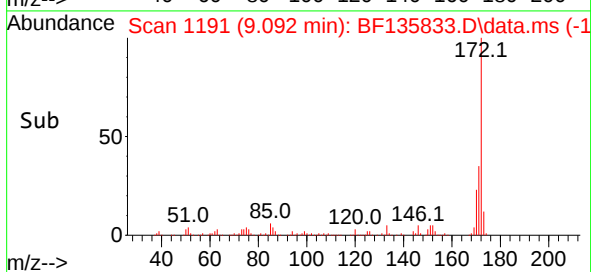
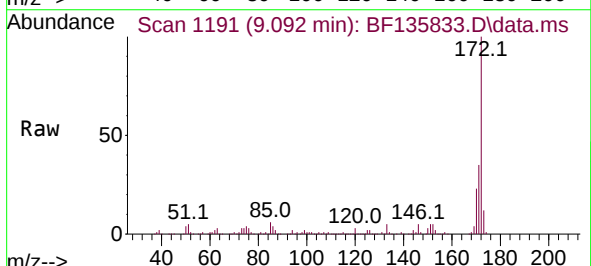
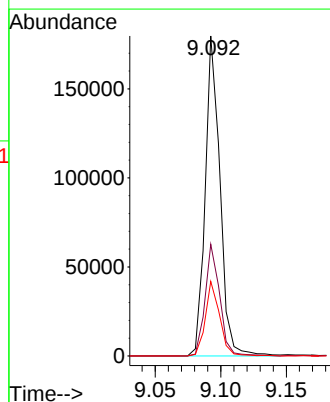
Tgt Ion:172 Resp: 141559

Ion Ratio Lower Upper

172 100

171 34.9 28.4 42.6

170 23.3 18.8 28.2

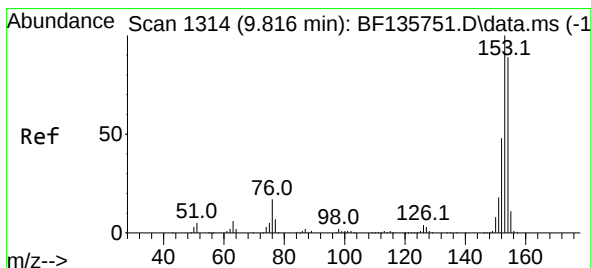
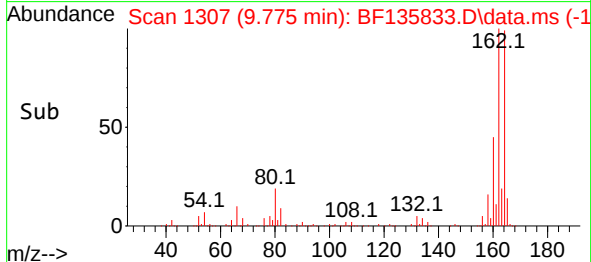
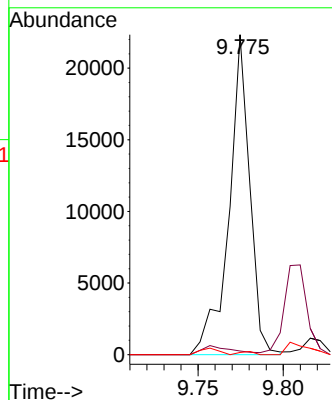
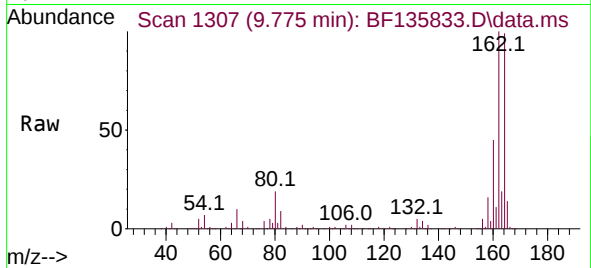




#51
2,6-Dinitrotoluene
Concen: 10.338 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF135833.D
Acq: 18 Oct 2023 02:07

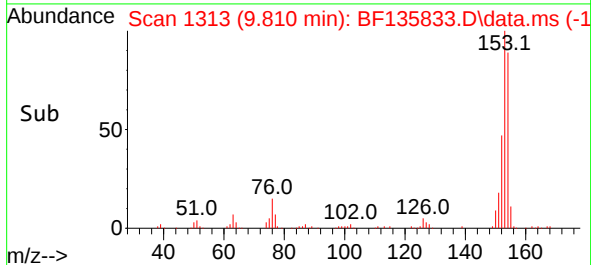
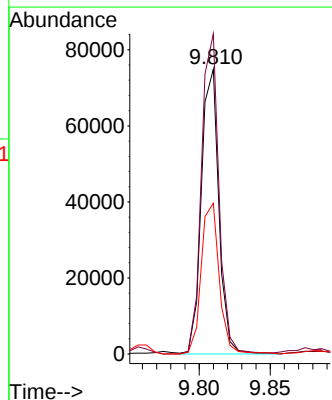
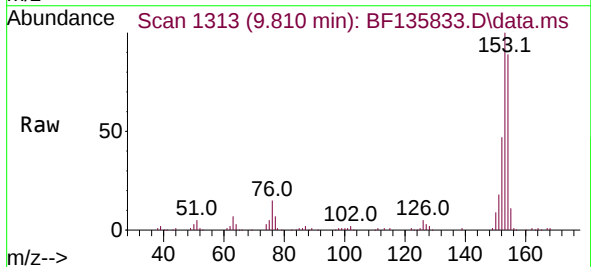
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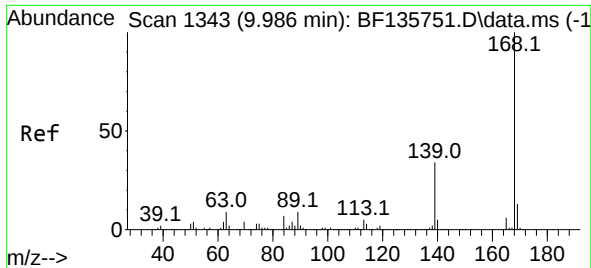
Tgt Ion:165 Resp: 18916
Ion Ratio Lower Upper
165 100
63 1.2 62.2 93.4#
89 0.7 49.6 74.4#



#52
Acenaphthene
Concen: 9.307 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF135833.D
Acq: 18 Oct 2023 02:07

Tgt Ion:154 Resp: 64236
Ion Ratio Lower Upper
154 100
153 112.3 90.1 135.1
152 52.9 43.1 64.7

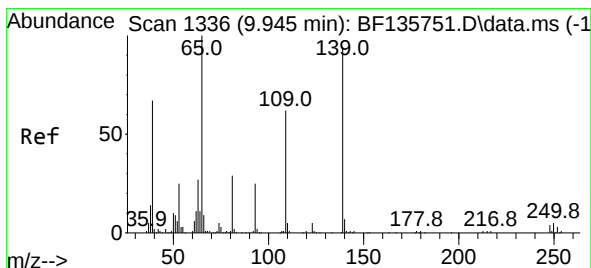
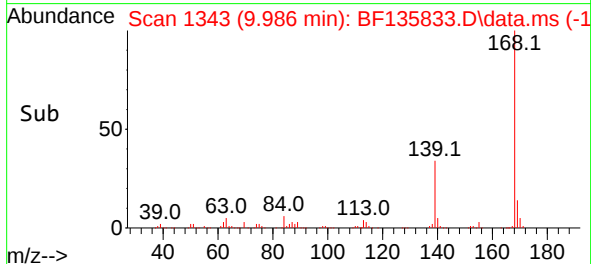
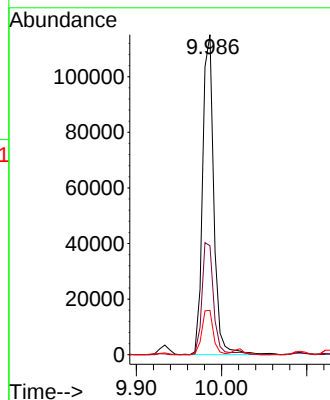
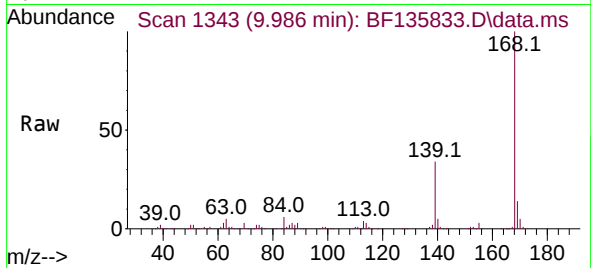




#55
Dibenzofuran
Concen: 10.143 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.006 min
Lab File: BF135833.D
Acq: 18 Oct 2023 02:07

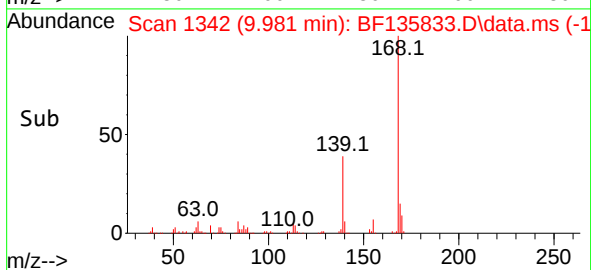
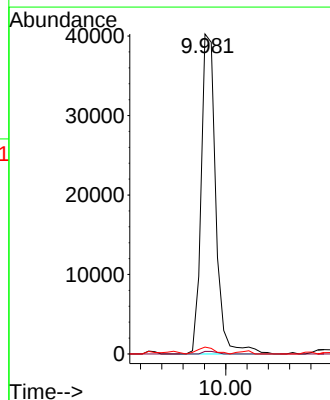
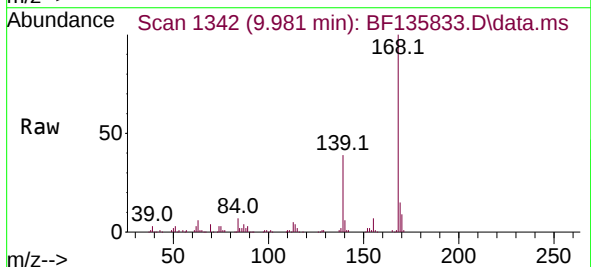
Instrument :
BNA_F
ClientSampleId :
72-11930DL

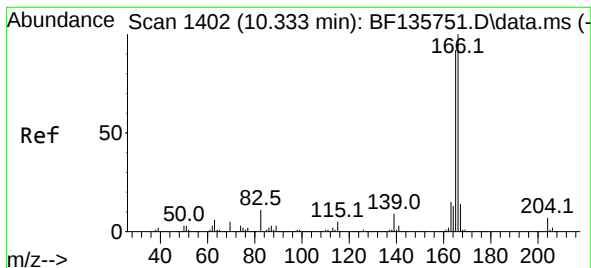
Tgt Ion:168 Resp: 105636
Ion Ratio Lower Upper
168 100
139 34.1 31.0 46.4
169 13.9 10.7 16.1



#56
4-Nitrophenol
Concen: 40.431 ng
RT: 9.981 min Scan# 1342
Delta R.T. 0.035 min
Lab File: BF135833.D
Acq: 18 Oct 2023 02:07

Tgt Ion:139 Resp: 38555
Ion Ratio Lower Upper
139 100
109 0.8 45.6 85.6#
65 2.2 87.5 127.5#





#58

Fluorene

Concen: 16.253 ng

RT: 10.328 min Scan# 1401

Delta R.T. -0.012 min

Lab File: BF135833.D

Acq: 18 Oct 2023 02:07

Instrument :

BNA_F

ClientSampleId :

72-11930DL

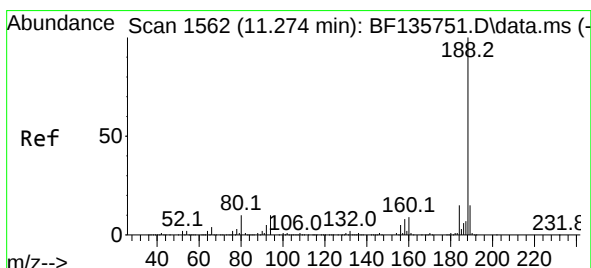
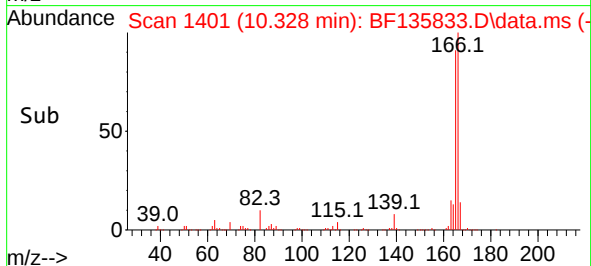
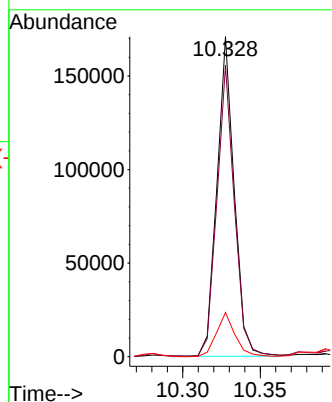
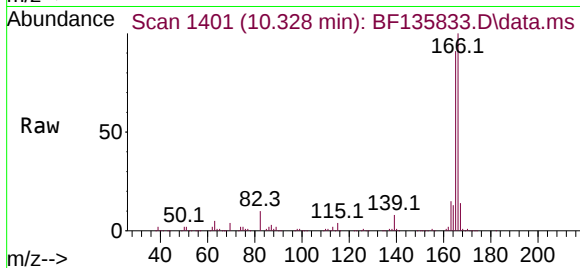
Tgt Ion:166 Resp: 132512

Ion Ratio Lower Upper

166 100

165 91.1 73.4 110.0

167 13.8 11.0 16.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.275 min Scan# 1562

Delta R.T. -0.006 min

Lab File: BF135833.D

Acq: 18 Oct 2023 02:07

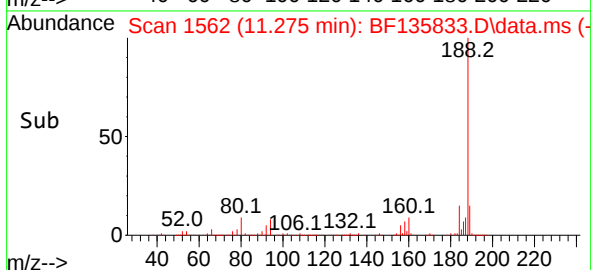
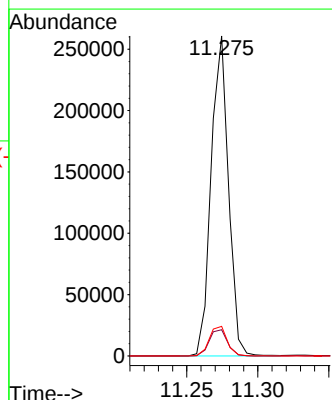
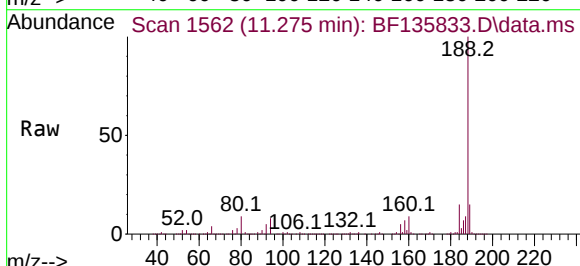
Tgt Ion:188 Resp: 221334

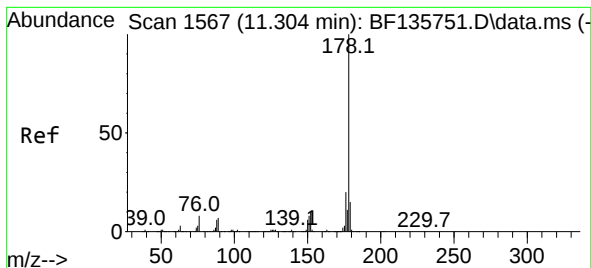
Ion Ratio Lower Upper

188 100

94 8.2 8.0 12.0

80 9.3 8.3 12.5





#71

Phenanthrene

Concen: 54.066 ng

RT: 11.298 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135833.D

Acq: 18 Oct 2023 02:07

Instrument :

BNA_F

ClientSampleId :

72-11930DL

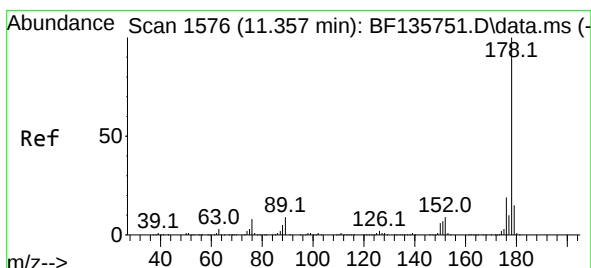
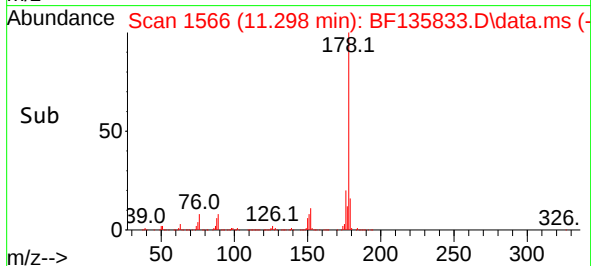
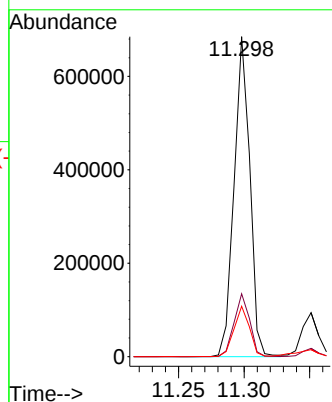
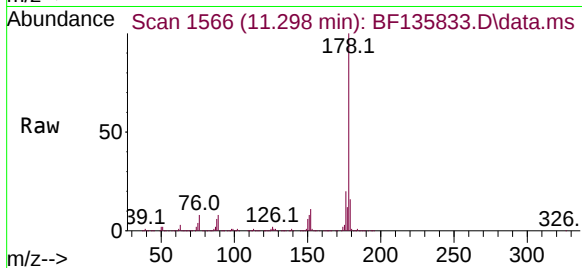
Tgt Ion:178 Resp: 573262

Ion Ratio Lower Upper

178 100

176 19.7 16.0 24.0

179 15.7 12.2 18.4



#72

Anthracene

Concen: 7.162 ng

RT: 11.351 min Scan# 1575

Delta R.T. -0.006 min

Lab File: BF135833.D

Acq: 18 Oct 2023 02:07

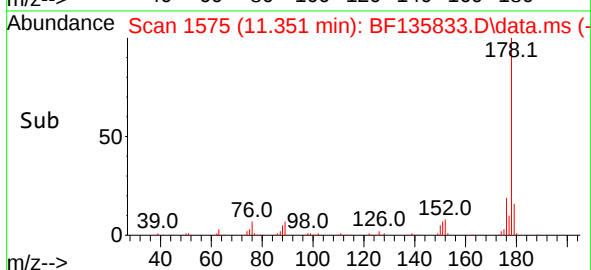
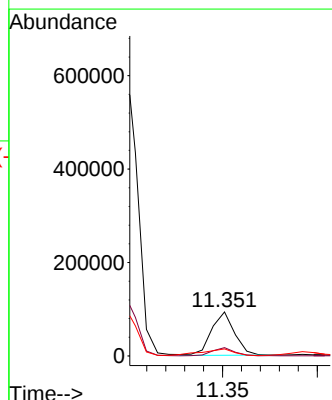
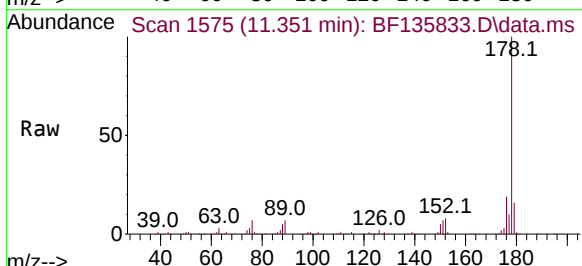
Tgt Ion:178 Resp: 78689

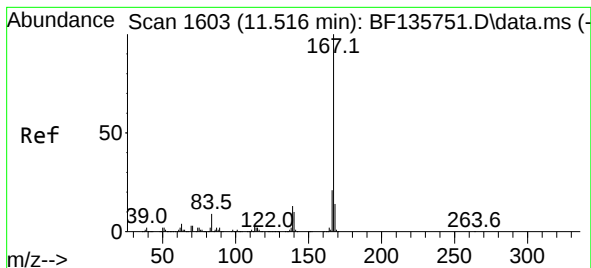
Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

179 15.9 12.3 18.5





#73

Carbazole

Concen: 3.429 ng

RT: 11.516 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135833.D

Acq: 18 Oct 2023 02:07

Instrument :

BNA_F

ClientSampleId :

72-11930DL

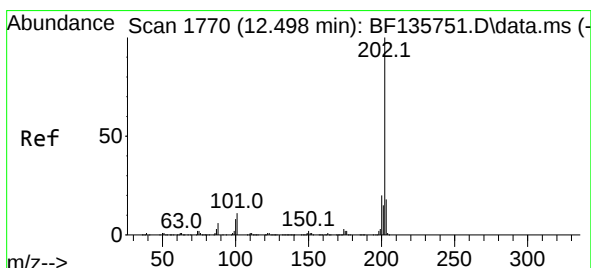
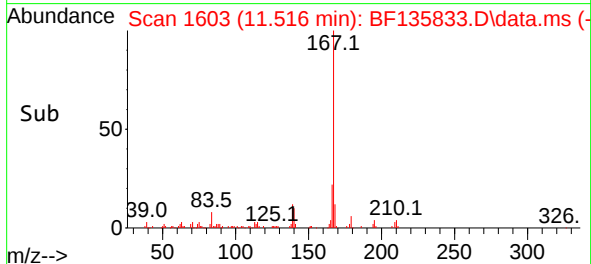
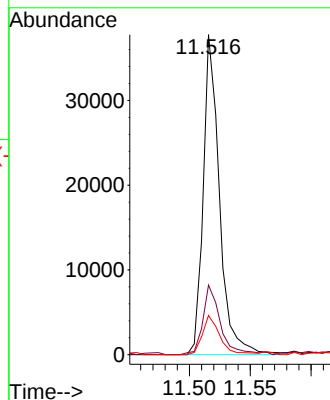
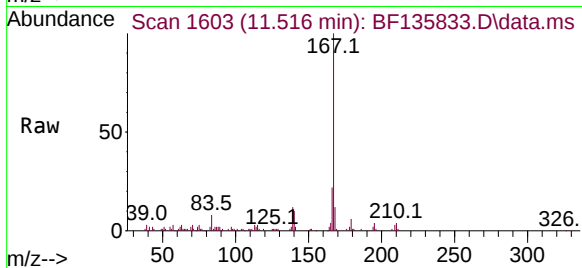
Tgt Ion:167 Resp: 35139

Ion Ratio Lower Upper

167 100

166 21.7 17.1 25.7

139 12.3 10.2 15.4



#75

Fluoranthene

Concen: 38.684 ng

RT: 12.498 min Scan# 1770

Delta R.T. -0.006 min

Lab File: BF135833.D

Acq: 18 Oct 2023 02:07

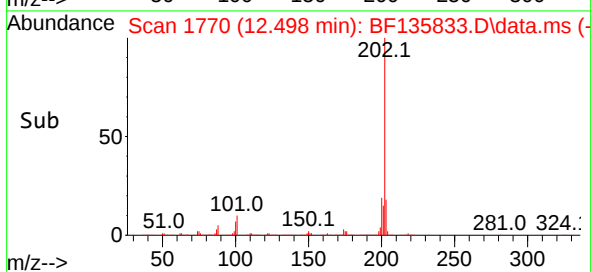
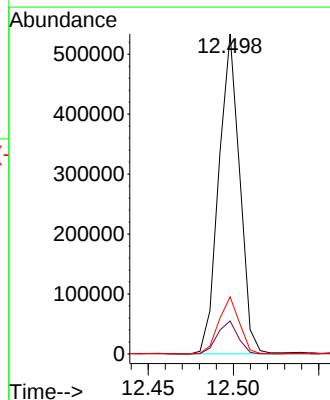
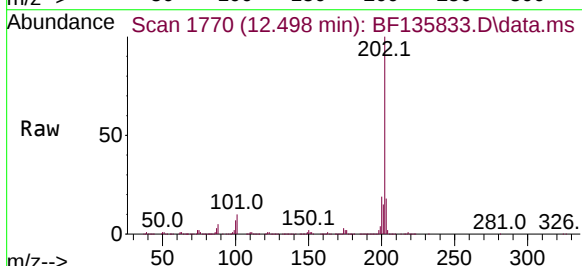
Tgt Ion:202 Resp: 455231

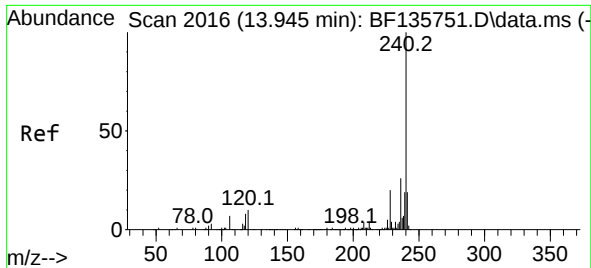
Ion Ratio Lower Upper

202 100

101 10.3 0.0 31.5

203 17.9 0.0 38.3

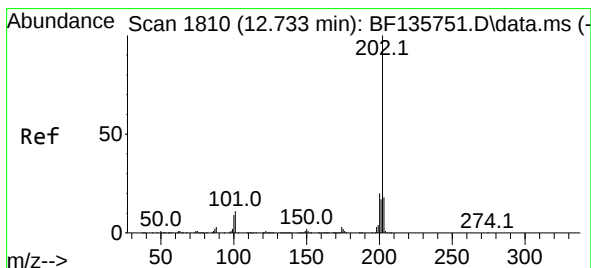
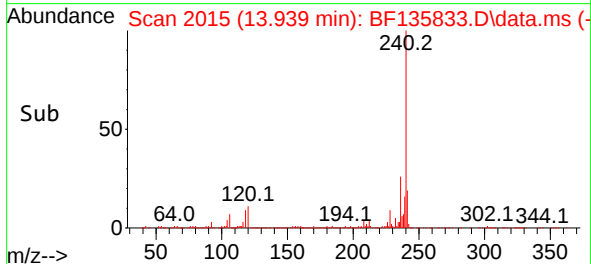
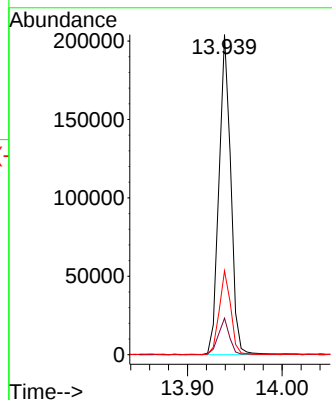
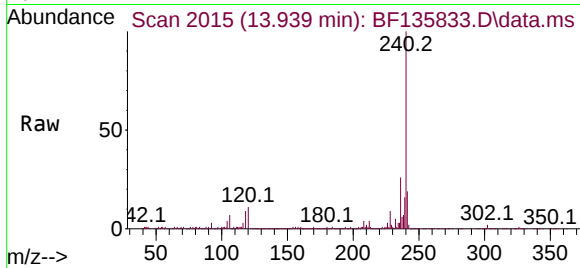




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF135833.D
Acq: 18 Oct 2023 02:07

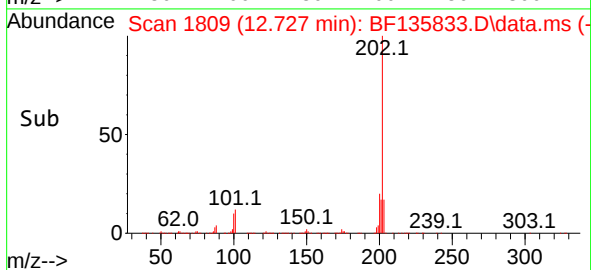
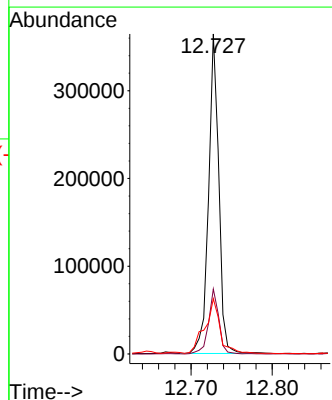
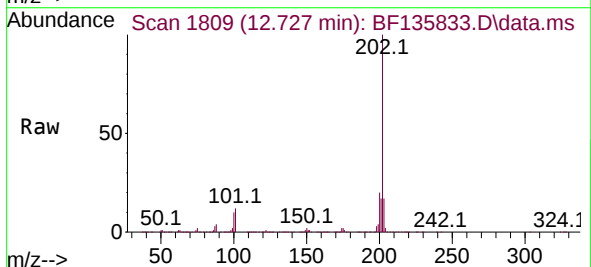
Instrument :
BNA_F
ClientSampleId :
72-11930DL

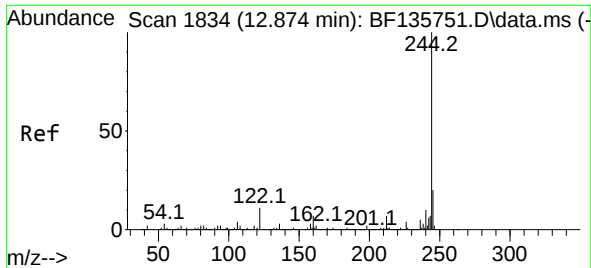
Tgt Ion:240 Resp: 176230
Ion Ratio Lower Upper
240 100
120 11.4 8.2 12.2
236 26.2 21.2 31.8



#78
Pyrene
Concen: 22.748 ng
RT: 12.727 min Scan# 1809
Delta R.T. -0.006 min
Lab File: BF135833.D
Acq: 18 Oct 2023 02:07

Tgt Ion:202 Resp: 318570
Ion Ratio Lower Upper
202 100
200 20.3 16.1 24.1
203 17.3 14.2 21.2

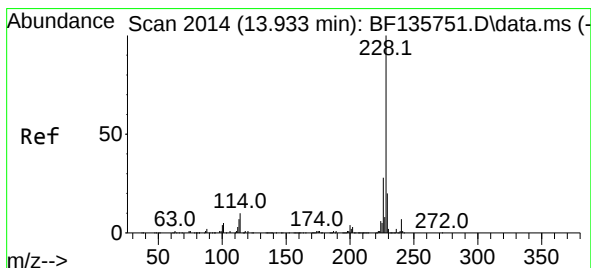
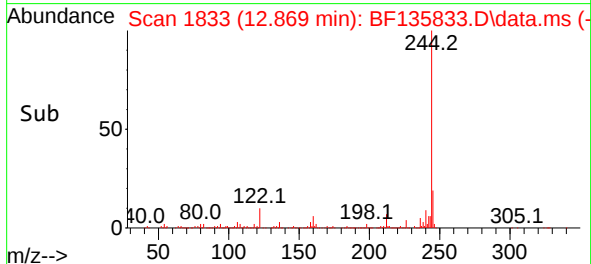
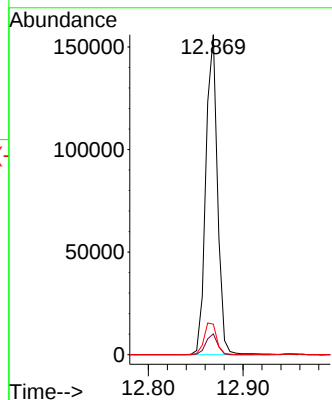
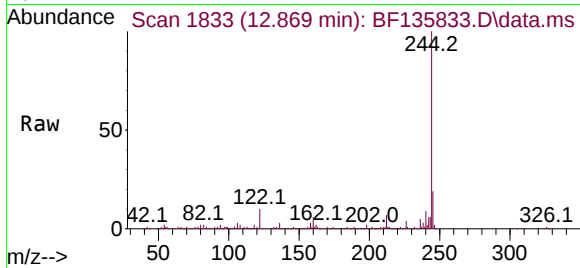




#79
 Terphenyl-d14
 Concen: 14.024 ng
 RT: 12.869 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF135833.D
 Acq: 18 Oct 2023 02:07

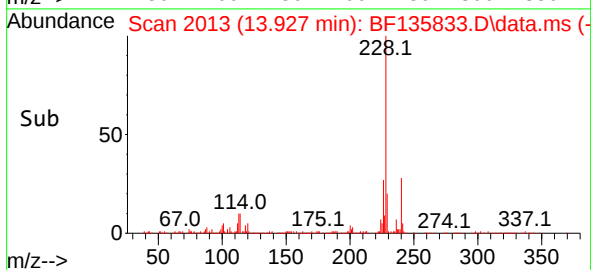
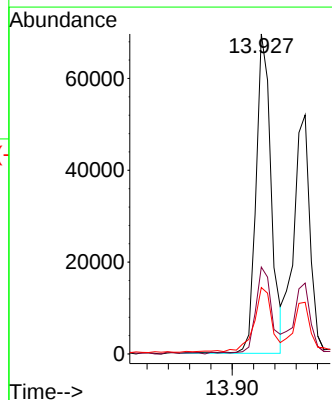
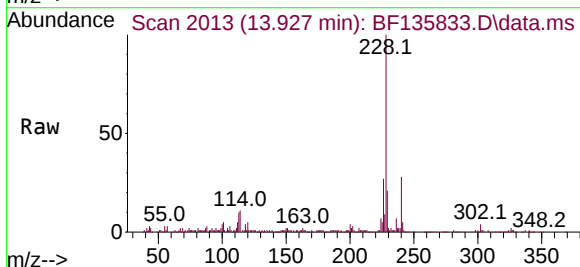
Instrument :
 BNA_F
 ClientSampleId :
 72-11930DL

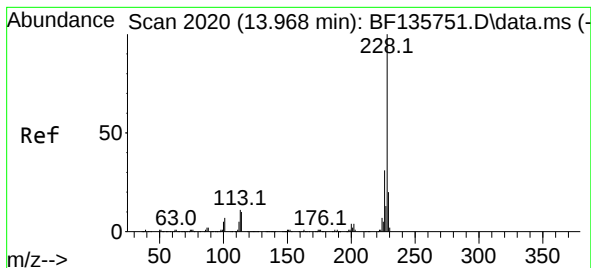
Tgt Ion:244 Resp: 133456
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.6 8.4
 122 9.6 9.0 13.6



#81
 Benzo(a)anthracene
 Concen: 5.932 ng
 RT: 13.927 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF135833.D
 Acq: 18 Oct 2023 02:07

Tgt Ion:228 Resp: 68666
 Ion Ratio Lower Upper
 228 100
 226 27.1 22.2 33.2
 229 20.7 16.1 24.1





#83

Chrysene

Concen: 4.995 ng

RT: 13.968 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135833.D

Acq: 18 Oct 2023 02:07

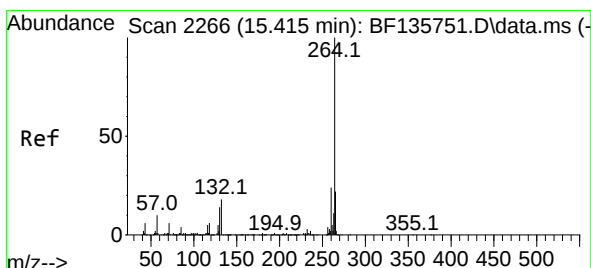
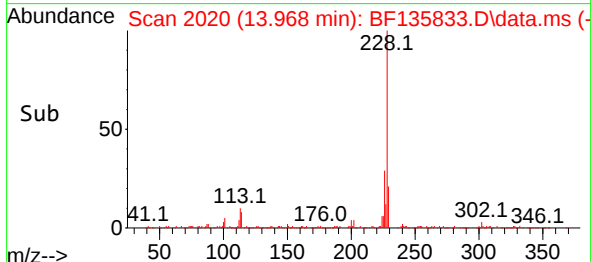
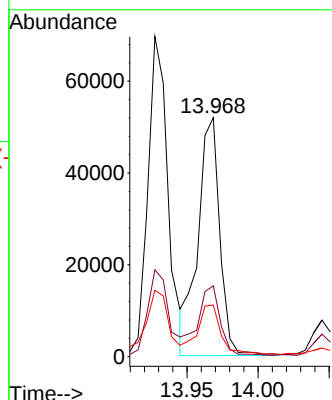
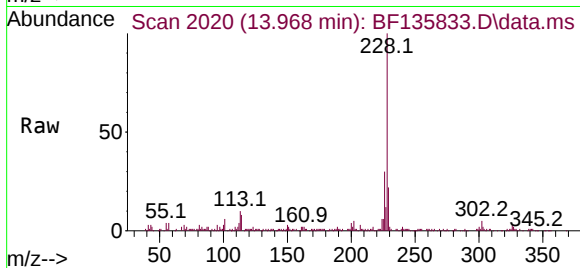
Instrument :

BNA_F

ClientSampleId :

72-11930DL

Tgt Ion:228	Resp:	55998
Ion Ratio	Lower	Upper
228	100	
226	29.7	24.4 36.6
229	21.6	15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

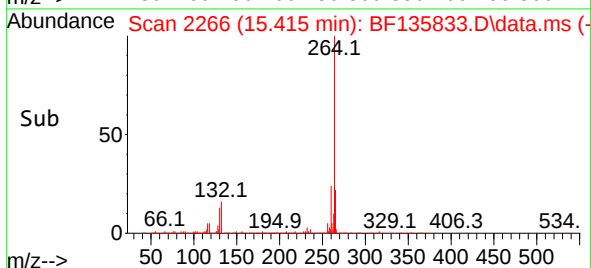
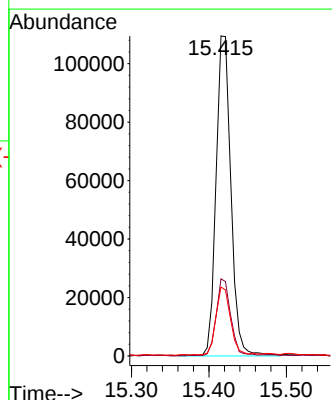
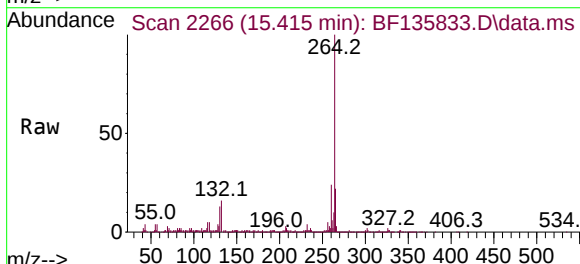
RT: 15.415 min Scan# 2266

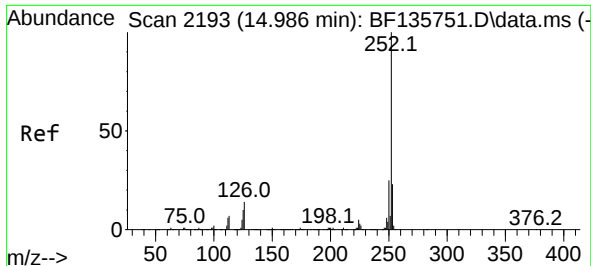
Delta R.T. -0.006 min

Lab File: BF135833.D

Acq: 18 Oct 2023 02:07

Tgt Ion:264	Resp:	146239
Ion Ratio	Lower	Upper
264	100	
260	24.1	19.2 28.8
265	21.5	17.4 26.2

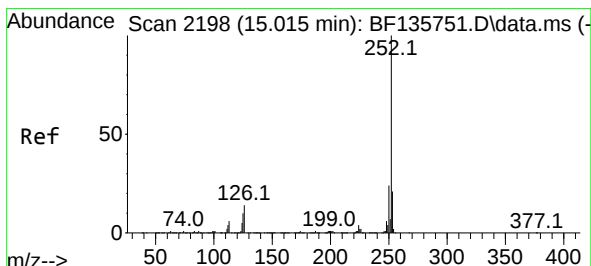
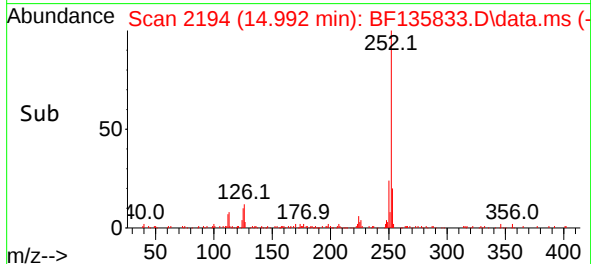
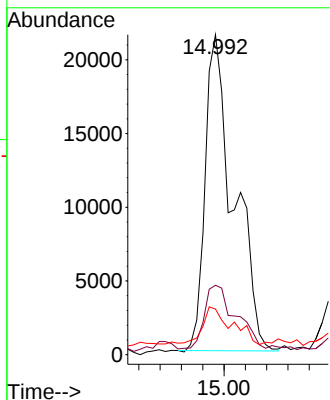
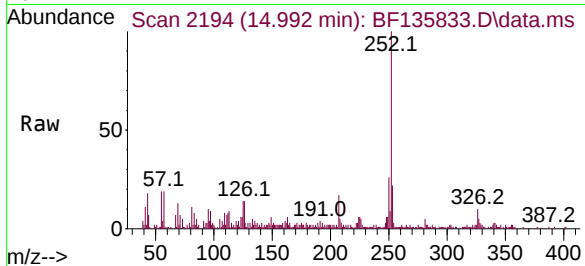




#88
Benzo(b)fluoranthene
Concen: 4.898 ng
RT: 14.992 min Scan# 2194
Delta R.T. -0.000 min
Lab File: BF135833.D
Acq: 18 Oct 2023 02:07

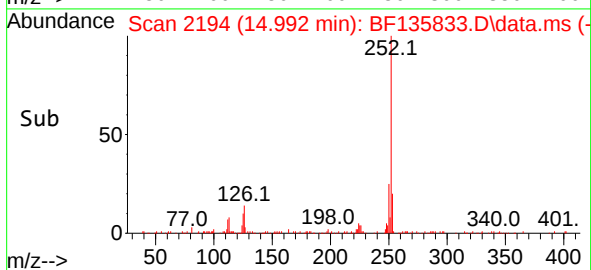
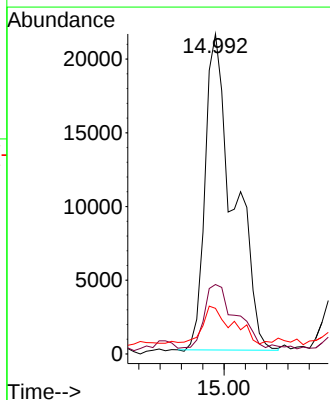
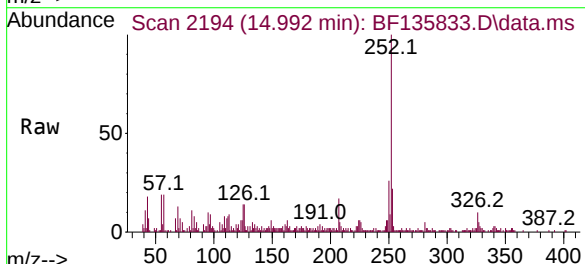
Instrument :
BNA_F
ClientSampleId :
72-11930DL

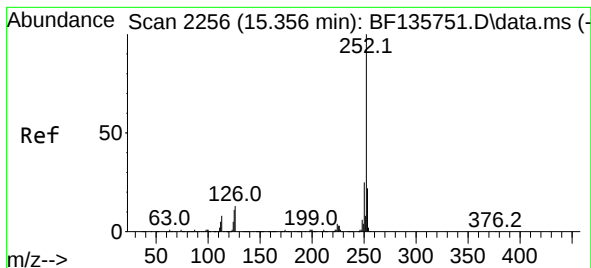
Tgt Ion:252 Resp: 40089
Ion Ratio Lower Upper
252 100
253 21.7 18.2 27.2
125 14.3 8.2 12.2#



#89
Benzo(k)fluoranthene
Concen: 5.045 ng
RT: 14.992 min Scan# 2194
Delta R.T. -0.030 min
Lab File: BF135833.D
Acq: 18 Oct 2023 02:07

Tgt Ion:252 Resp: 40089
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.0
125 14.3 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 2.083 ng

RT: 15.357 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF135833.D

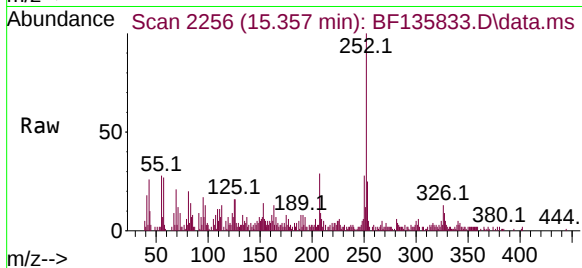
Acq: 18 Oct 2023 02:07

Instrument :

BNA_F

ClientSampleId :

72-11930DL



Tgt Ion:252 Resp: 16033

Ion Ratio Lower Upper

252 100

253 24.9 17.4 26.2

125 16.1 8.8 13.2#

