

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092523\
 Data File : BF135433.D
 Acq On : 25 Sep 2023 18:22
 Operator : CG\JU
 Sample : 04582-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 01:43:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 26 01:36:36 2023
 Response via : Initial Calibration

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

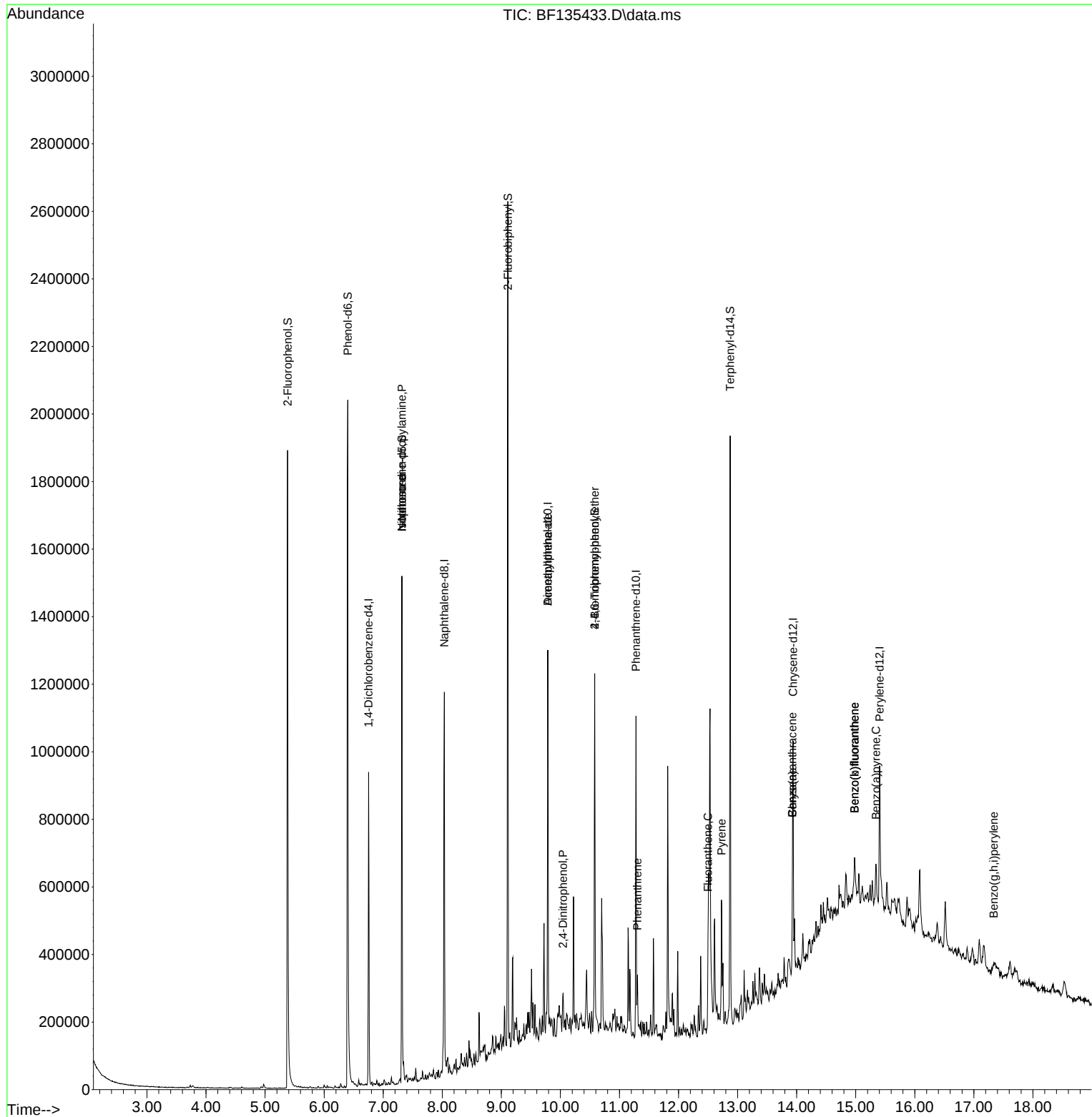
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.751	152	126933	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	482609	20.000	ng	0.00
39) Acenaphthene-d10	9.786	164	203357	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	311181	20.000	ng	0.00
76) Chrysene-d12	13.939	240	228319	20.000	ng	0.00
86) Perylene-d12	15.404	264	194631	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	562277	72.047	ng	0.00
7) Phenol-d6	6.398	99	728904	73.451	ng	0.00
23) Nitrobenzene-d5	7.316	82	413815	46.585	ng	0.00
42) 2,4,6-Tribromophenol	10.581	330	114876	56.845	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	732220	54.324	ng	0.00
79) Terphenyl-d14	12.874	244	571569	38.807	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.316	70	52452	8.533	ng	# 78
25) Isophorone	7.316	82	412067	25.262	ng	# 65
50) Dimethylphthalate	9.786	163	39240	2.854	ng	# 1
54) 2,4-Dinitrophenol	10.045	184	55	6.277	ng	# 1
67) 4-Bromophenyl-phenylether	10.581	248	7311	2.362	ng	# 1
71) Phenanthrene	11.304	178	60165	4.088	ng	97
75) Fluoranthene	12.498	202	107116	6.985	ng	96
78) Pyrene	12.727	202	152584	7.019	ng	98
81) Benzo(a)anthracene	13.927	228	59223	4.017	ng	94
83) Chrysene	13.927	228	59223	4.040	ng	97
88) Benzo(b)fluoranthene	14.980	252	74280	7.050	ng	# 78
89) Benzo(k)fluoranthene	14.980	252	74280	7.137	ng	# 79
90) Benzo(a)pyrene	15.345	252	42693	4.249	ng	# 84
92) Benzo(g,h,i)perylene	17.339	276	24016	2.202	ng	# 83

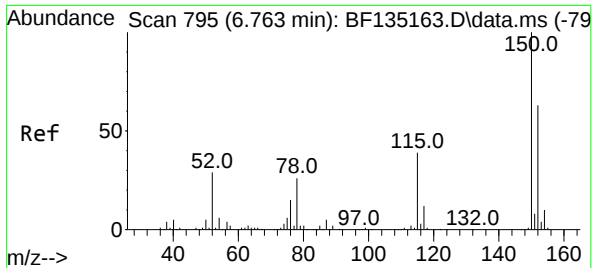
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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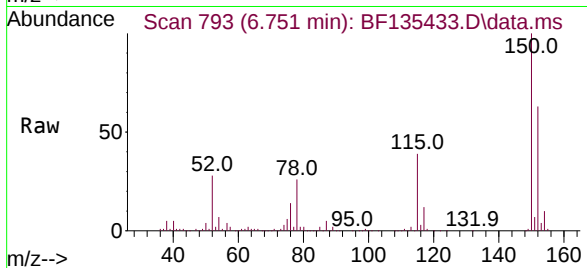
Quant Time: Sep 26 01:43:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
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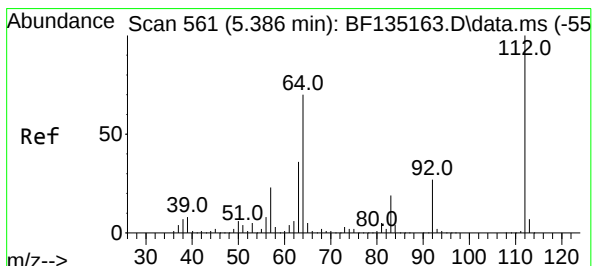
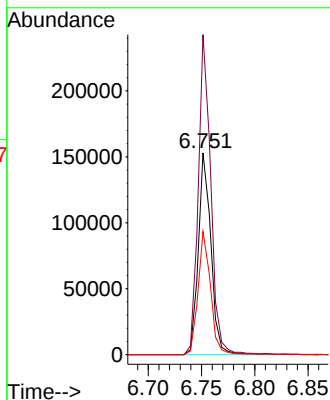
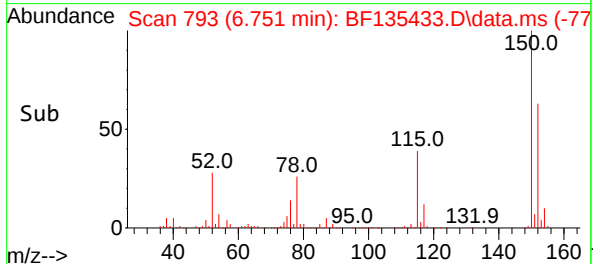


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.751 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135433.D
Acq: 25 Sep 2023 18:22

Instrument :
BNA_F
ClientSampleId :

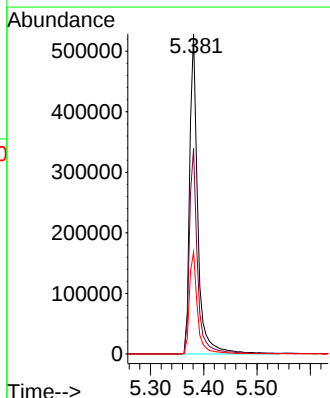
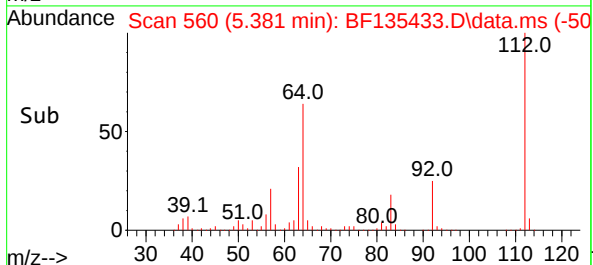
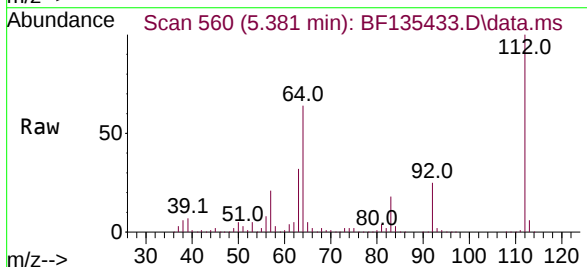


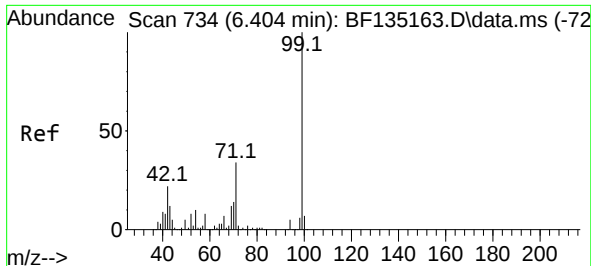
Tgt Ion:152 Resp: 126933
Ion Ratio Lower Upper
152 100
150 158.6 127.8 191.6
115 61.1 49.8 74.8



#5
2-Fluorophenol
Concen: 72.047 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.000 min
Lab File: BF135433.D
Acq: 25 Sep 2023 18:22

Tgt Ion:112 Resp: 562277
Ion Ratio Lower Upper
112 100
64 64.2 55.9 83.9
63 31.8 29.0 43.6

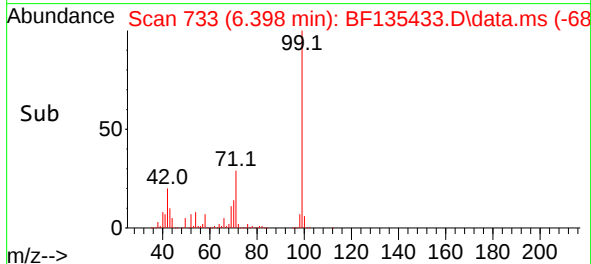
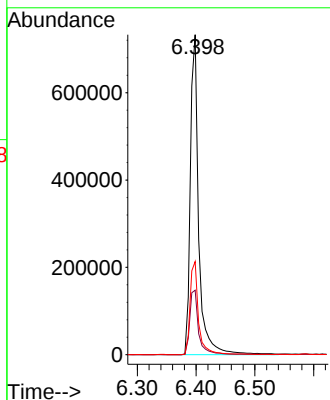
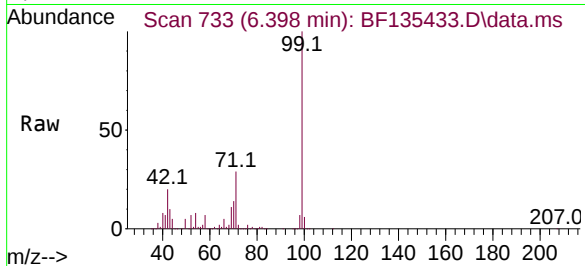




#7
Phenol-d6
Concen: 73.451 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135433.D
Acq: 25 Sep 2023 18:22

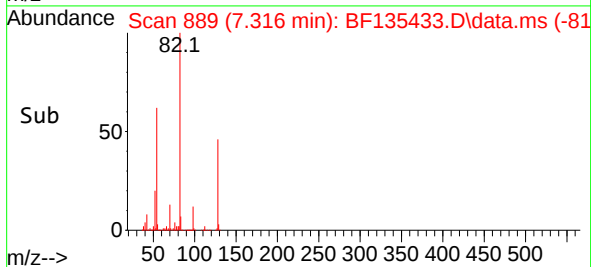
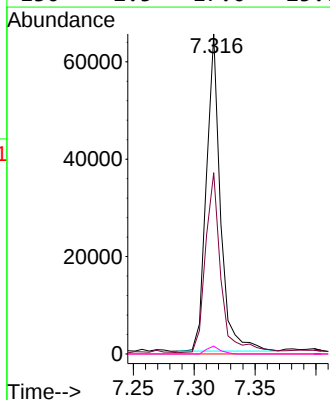
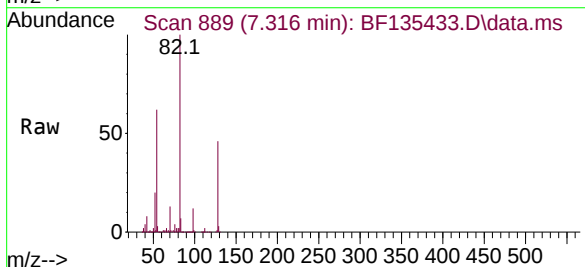
Instrument :
BNA_F
ClientSampleId :

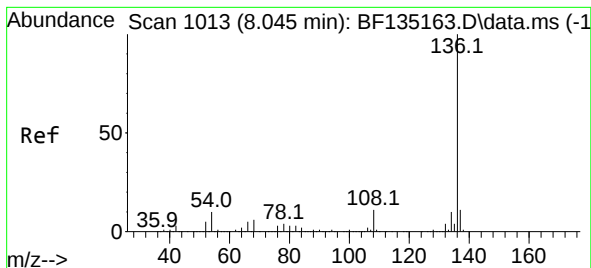
Tgt Ion: 99 Resp: 728904
Ion Ratio Lower Upper
99 100
42 20.2 17.9 26.9
71 29.1 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 8.533 ng
RT: 7.316 min Scan# 889
Delta R.T. 0.141 min
Lab File: BF135433.D
Acq: 25 Sep 2023 18:22

Tgt Ion: 70 Resp: 52452
Ion Ratio Lower Upper
70 100
42 56.6 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: 8.034 min Scan# 1013

Delta R.T. 0.000 min

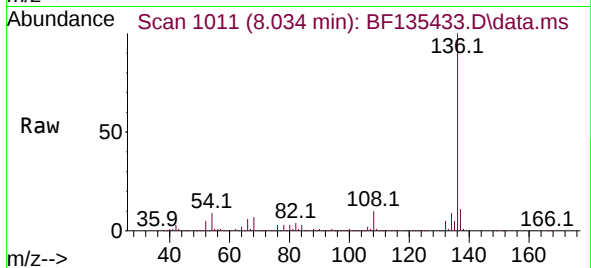
Lab File: BF135433.D

Acq: 25 Sep 2023 18:22

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:136 Resp: 482609

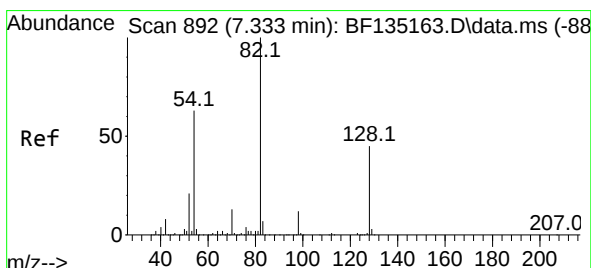
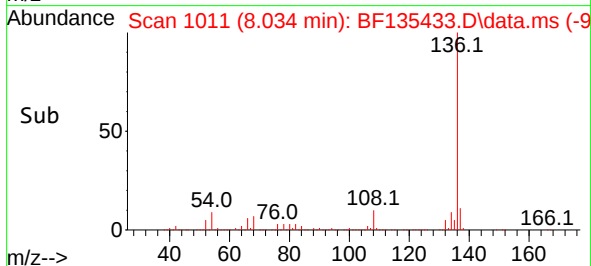
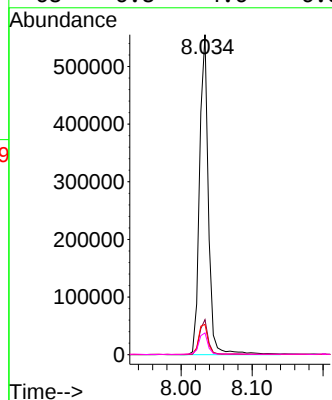
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 9.4 7.7 11.5

68 6.8 4.6 6.8



#23

Nitrobenzene-d5

Concen: 46.585 ng

RT: 7.316 min Scan# 889

Delta R.T. -0.006 min

Lab File: BF135433.D

Acq: 25 Sep 2023 18:22

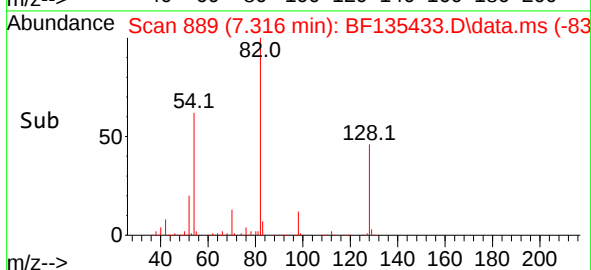
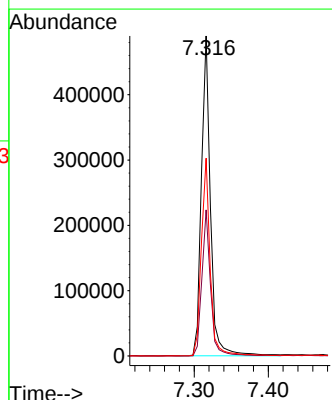
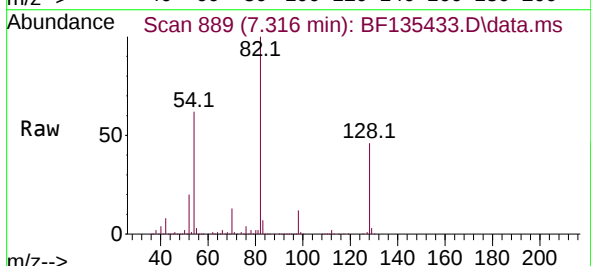
Tgt Ion: 82 Resp: 413815

Ion Ratio Lower Upper

82 100

128 45.7 35.8 53.6

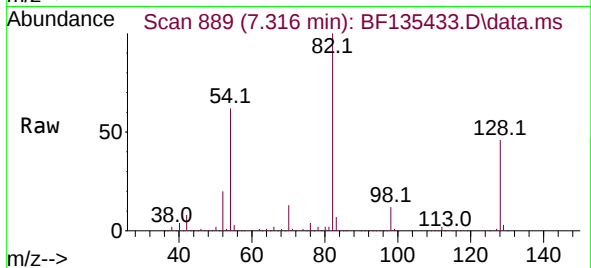
54 61.8 50.6 76.0



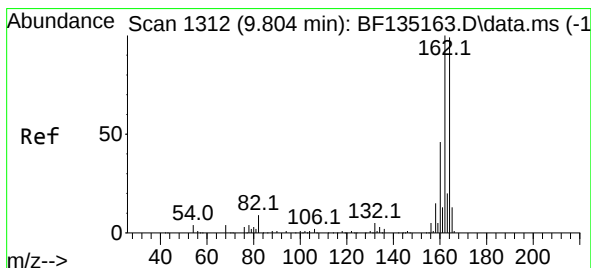
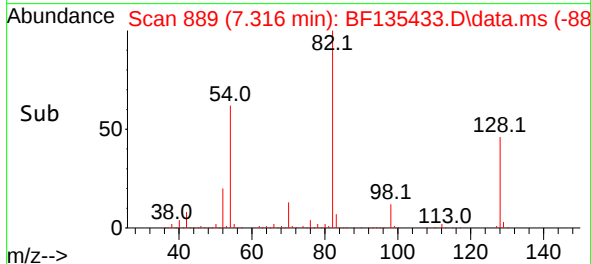
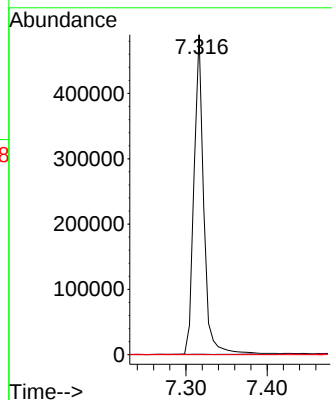


#25
Isophorone
Concen: 25.262 ng
RT: 7.316 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135433.D
Acq: 25 Sep 2023 18:22

Instrument :
BNA_F
ClientSampleId :

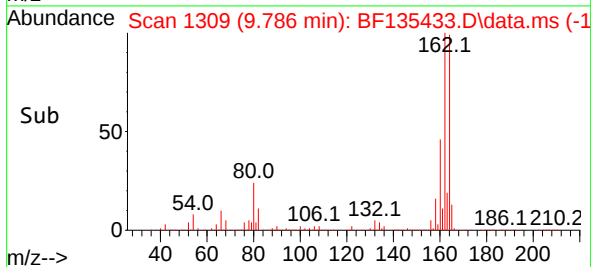
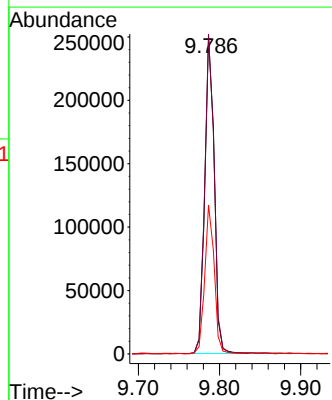
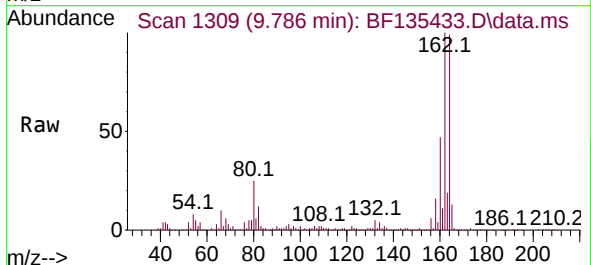


Tgt Ion: 82 Resp: 412067
Ion Ratio Lower Upper
82 100
95 0.2 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.786 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF135433.D
Acq: 25 Sep 2023 18:22

Tgt Ion:164 Resp: 203357
Ion Ratio Lower Upper
164 100
162 101.2 81.0 121.4
160 47.1 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 56.845 ng

RT: 10.581 min Scan# 1444

Delta R.T. -0.006 min

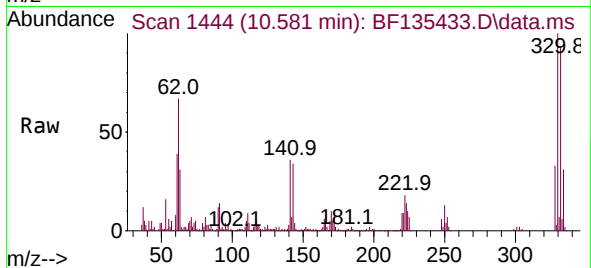
Lab File: BF135433.D

Acq: 25 Sep 2023 18:22

Instrument :

BNA_F

ClientSampleId :



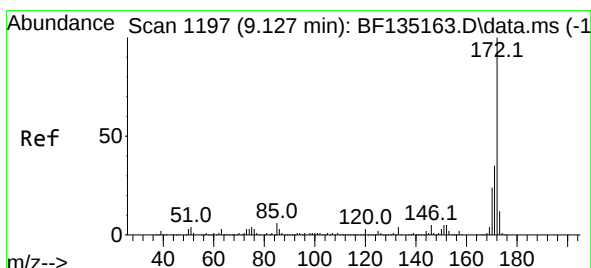
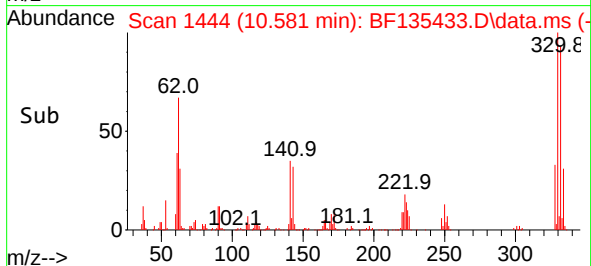
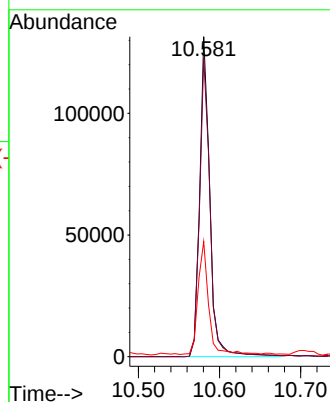
Tgt Ion:330 Resp: 114876

Ion Ratio Lower Upper

330 100

332 96.3 77.3 115.9

141 36.4 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 54.324 ng

RT: 9.110 min Scan# 1194

Delta R.T. -0.006 min

Lab File: BF135433.D

Acq: 25 Sep 2023 18:22

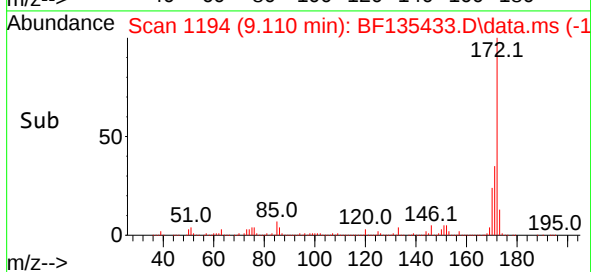
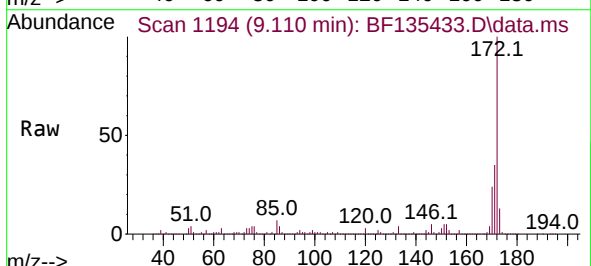
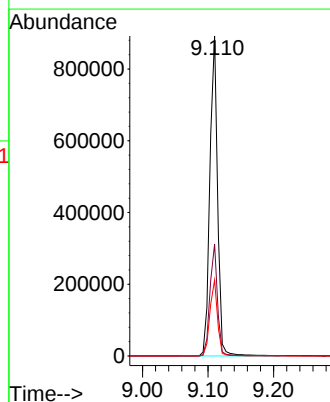
Tgt Ion:172 Resp: 732220

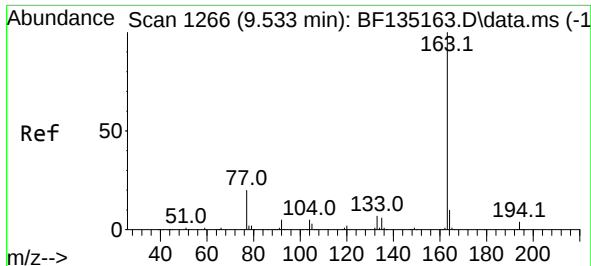
Ion Ratio Lower Upper

172 100

171 35.0 28.4 42.6

170 23.7 19.0 28.4

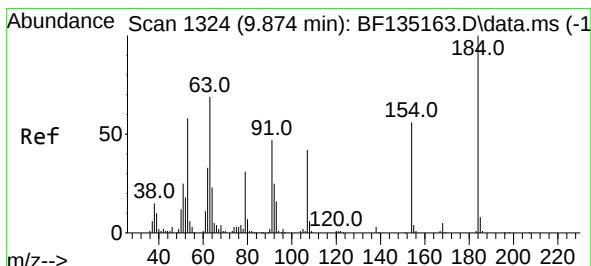
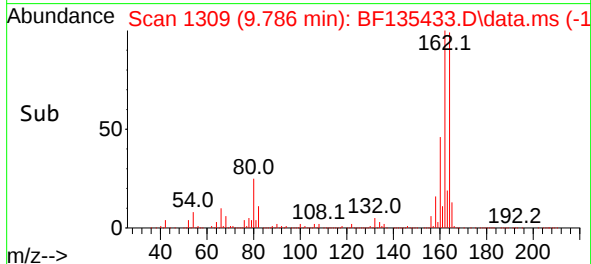
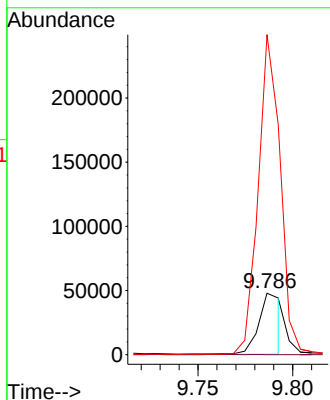
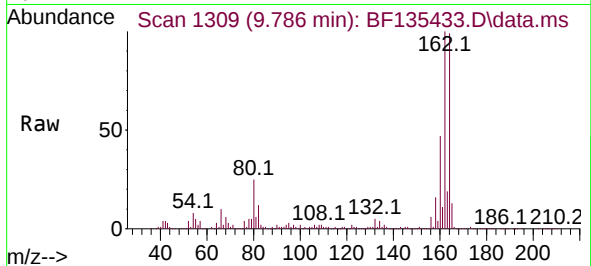




#50
Dimethylphthalate
Concen: 2.854 ng
RT: 9.786 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF135433.D
Acq: 25 Sep 2023 18:22

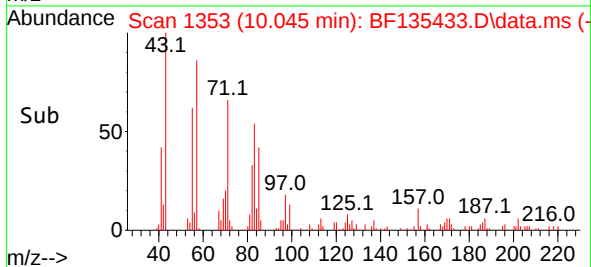
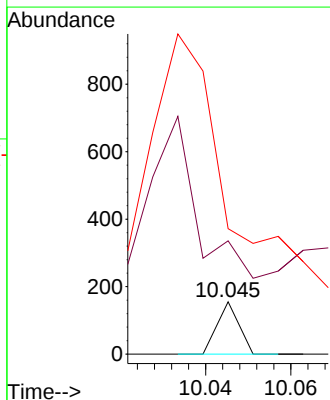
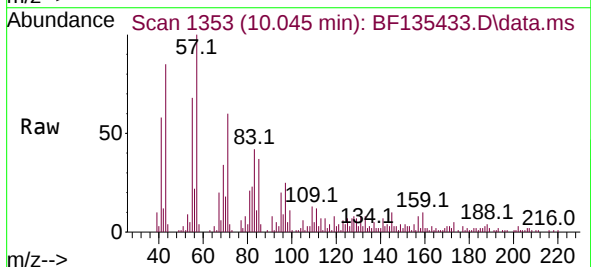
Instrument :
BNA_F
ClientSampleId :

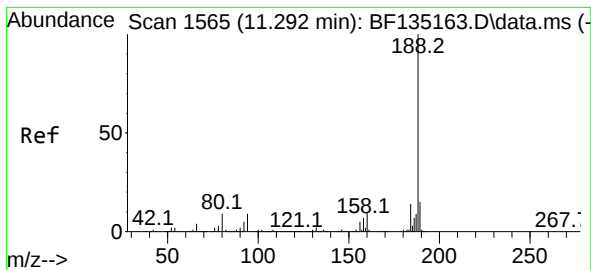
Tgt Ion:163 Resp: 39240
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 520.4 8.1 12.1#



#54
2,4-Dinitrophenol
Concen: 6.277 ng
RT: 10.045 min Scan# 1353
Delta R.T. 0.171 min
Lab File: BF135433.D
Acq: 25 Sep 2023 18:22

Tgt Ion:184 Resp: 55
Ion Ratio Lower Upper
184 100
63 216.8 55.1 82.7#
154 240.0 48.4 72.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.280 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135433.D

Acq: 25 Sep 2023 18:22

Instrument :

BNA_F

ClientSampleId :

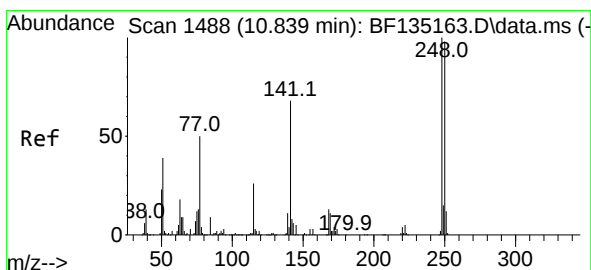
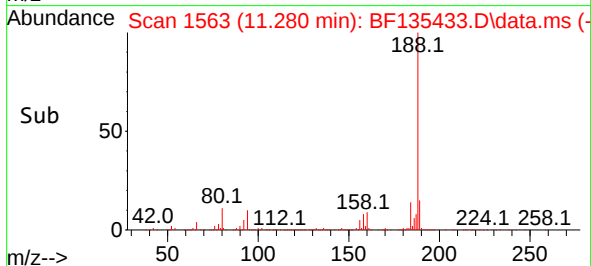
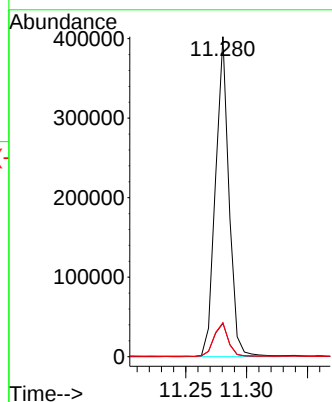
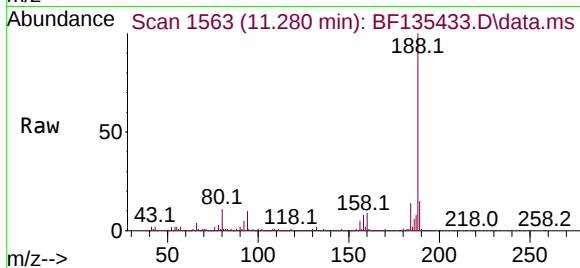
Tgt Ion:188 Resp: 311181

Ion Ratio Lower Upper

188 100

94 10.4 7.0 10.6

80 10.7 7.5 11.3



#67

4-Bromophenyl-phenylether

Concen: 2.362 ng

RT: 10.581 min Scan# 1444

Delta R.T. -0.247 min

Lab File: BF135433.D

Acq: 25 Sep 2023 18:22

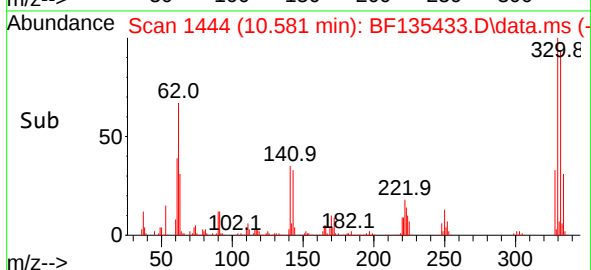
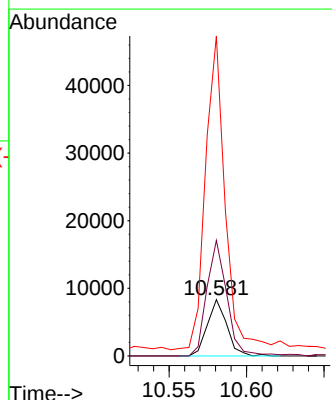
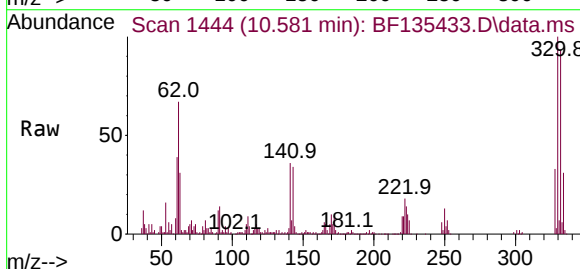
Tgt Ion:248 Resp: 7311

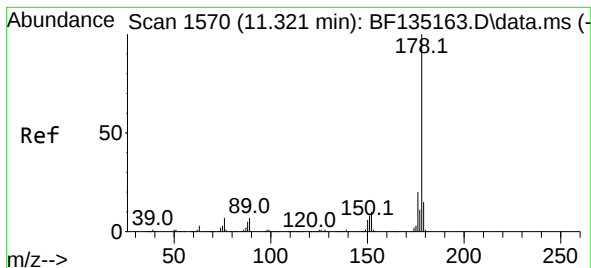
Ion Ratio Lower Upper

248 100

250 205.0 78.6 117.8#

141 568.3 54.2 81.2#





#71

Phenanthrene

Concen: 4.088 ng

RT: 11.304 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135433.D

Acq: 25 Sep 2023 18:22

Instrument :

BNA_F

ClientSampleId :

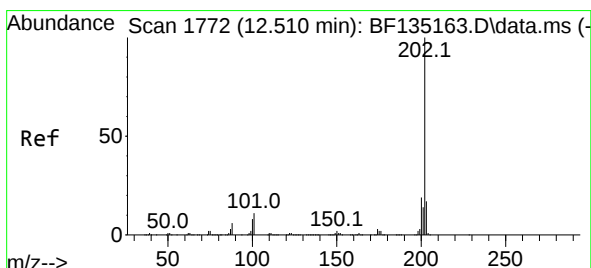
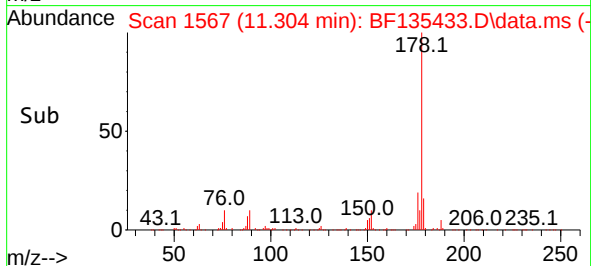
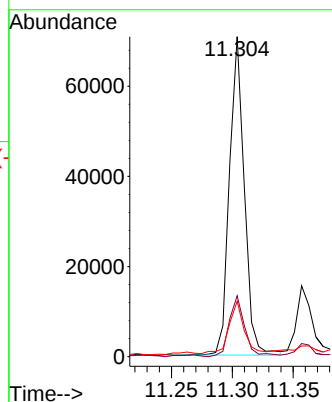
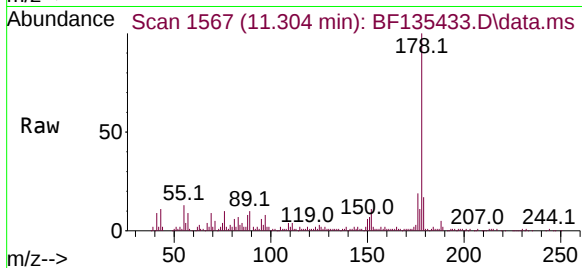
Tgt Ion:178 Resp: 60165

Ion Ratio Lower Upper

178 100

176 19.1 15.6 23.4

179 17.3 12.0 18.0



#75

Fluoranthene

Concen: 6.985 ng

RT: 12.498 min Scan# 1770

Delta R.T. -0.006 min

Lab File: BF135433.D

Acq: 25 Sep 2023 18:22

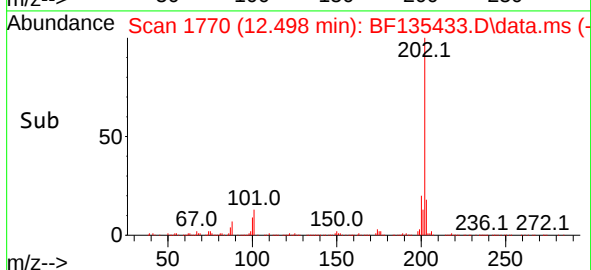
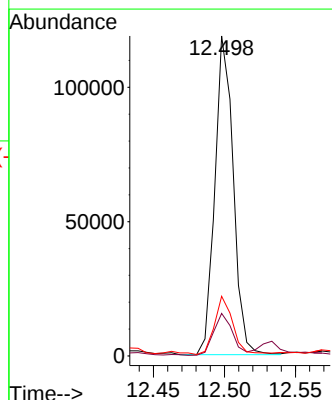
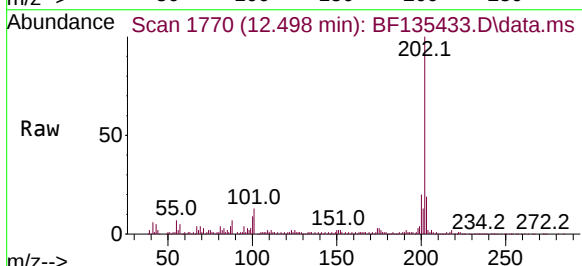
Tgt Ion:202 Resp: 107116

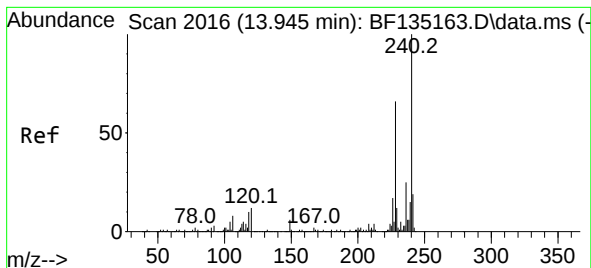
Ion Ratio Lower Upper

202 100

101 13.3 0.0 31.3

203 18.6 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135433.D

Acq: 25 Sep 2023 18:22

Instrument :

BNA_F

ClientSampleId :

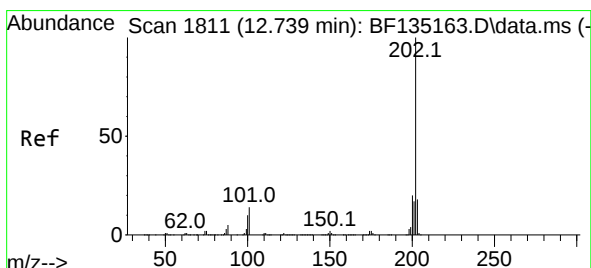
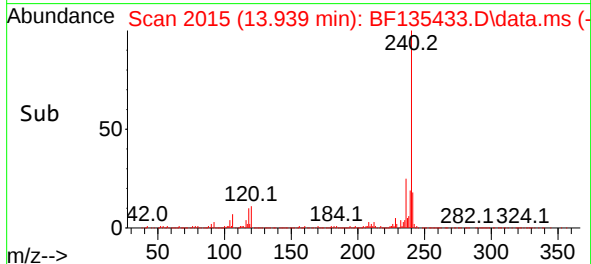
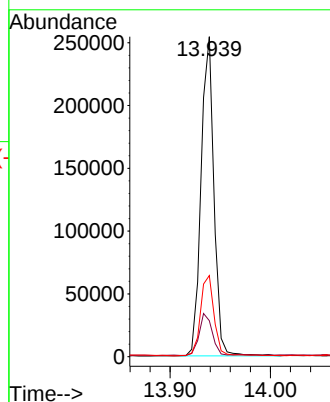
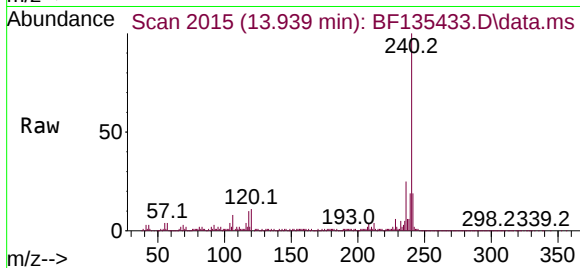
Tgt Ion:240 Resp: 228319

Ion Ratio Lower Upper

240 100

120 11.3 9.4 14.2

236 25.3 19.8 29.8



#78

Pyrene

Concen: 7.019 ng

RT: 12.727 min Scan# 1809

Delta R.T. -0.006 min

Lab File: BF135433.D

Acq: 25 Sep 2023 18:22

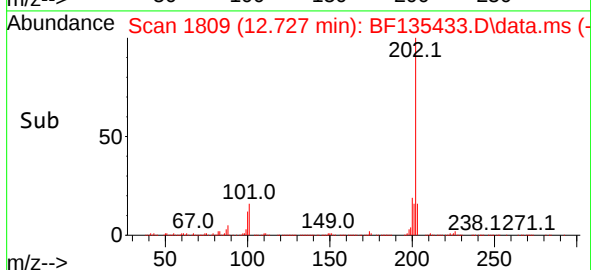
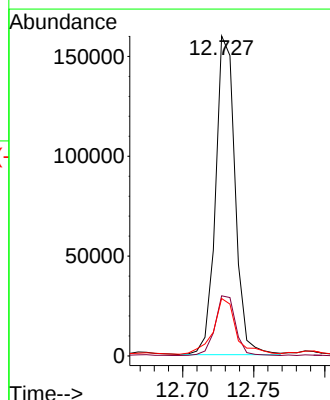
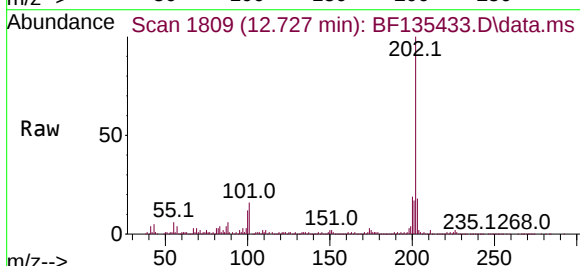
Tgt Ion:202 Resp: 152584

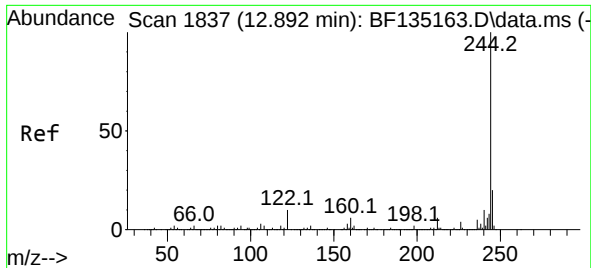
Ion Ratio Lower Upper

202 100

200 18.8 16.2 24.2

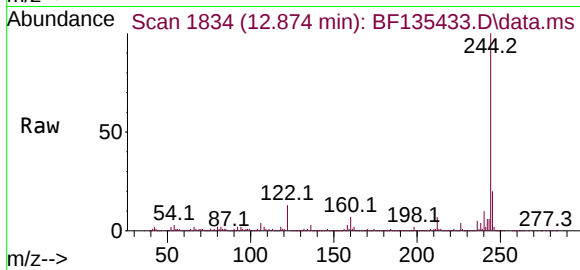
203 18.0 14.2 21.4



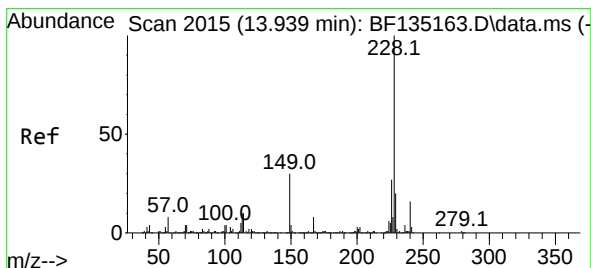
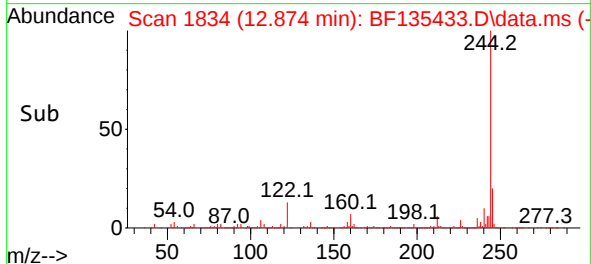
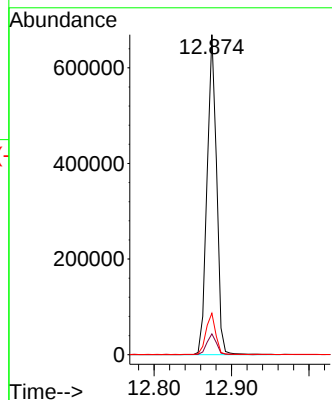


#79
 Terphenyl-d14
 Concen: 38.807 ng
 RT: 12.874 min Scan# 1834
 Delta R.T. -0.006 min
 Lab File: BF135433.D
 Acq: 25 Sep 2023 18:22

Instrument :
 BNA_F
 ClientSampleId :

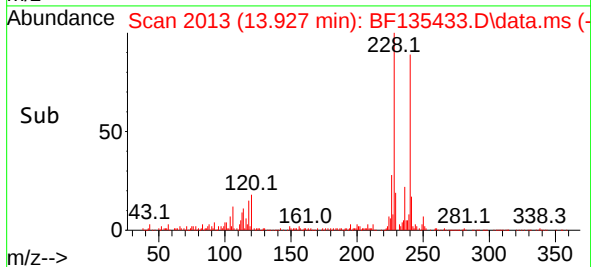
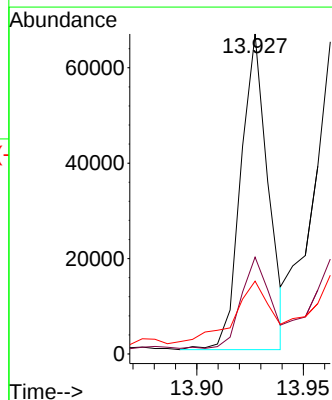
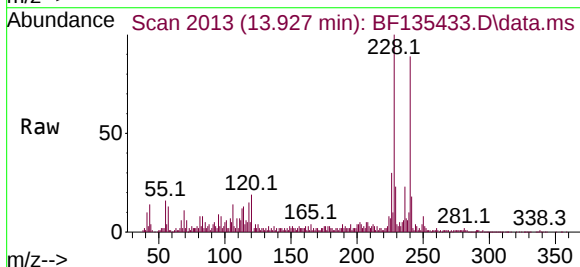


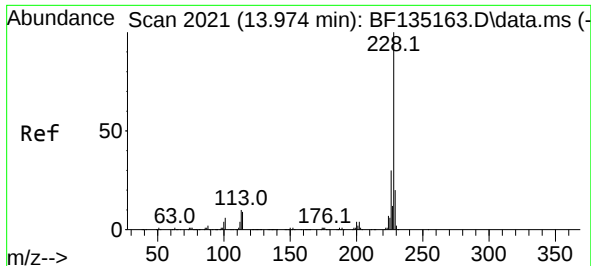
Tgt Ion:244 Resp: 571569
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.1 7.7
 122 12.9 7.9 11.9#



#81
 Benzo(a)anthracene
 Concen: 4.017 ng
 RT: 13.927 min Scan# 2013
 Delta R.T. -0.006 min
 Lab File: BF135433.D
 Acq: 25 Sep 2023 18:22

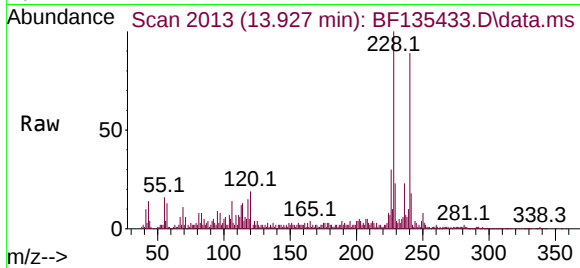
Tgt Ion:228 Resp: 59223
 Ion Ratio Lower Upper
 228 100
 226 30.2 21.7 32.5
 229 22.8 15.8 23.8



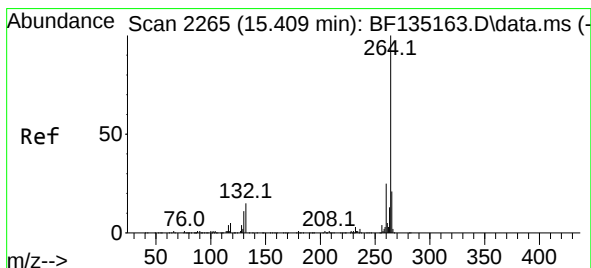
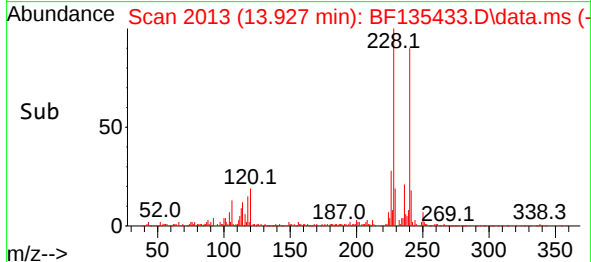
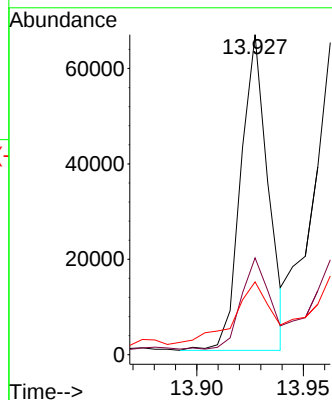


#83
Chrysene
Concen: 4.040 ng
RT: 13.927 min Scan# 2021
Delta R.T. -0.041 min
Lab File: BF135433.D
Acq: 25 Sep 2023 18:22

Instrument :
BNA_F
ClientSampleId :

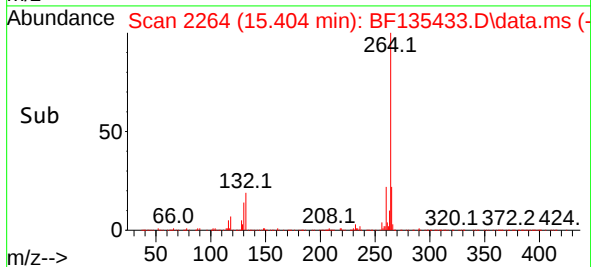
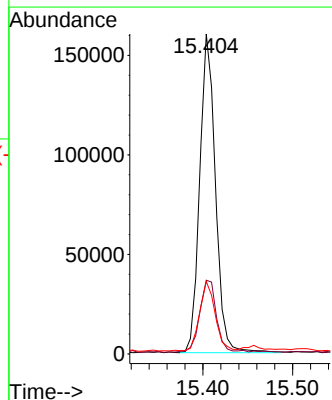
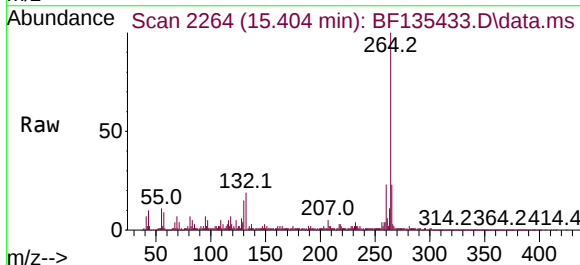


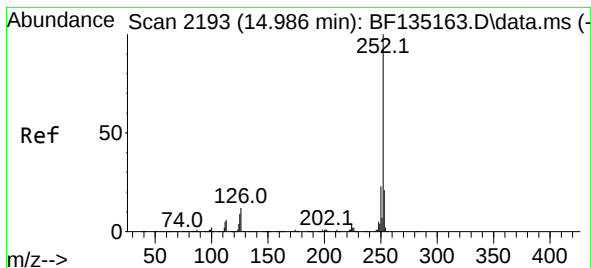
Tgt Ion:228 Resp: 59223
Ion Ratio Lower Upper
228 100
226 30.2 24.3 36.5
229 22.8 16.0 24.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 2264
Delta R.T. 0.000 min
Lab File: BF135433.D
Acq: 25 Sep 2023 18:22

Tgt Ion:264 Resp: 194631
Ion Ratio Lower Upper
264 100
260 23.0 19.8 29.6
265 22.6 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 7.050 ng

RT: 14.980 min Scan# 2192

Delta R.T. 0.000 min

Lab File: BF135433.D

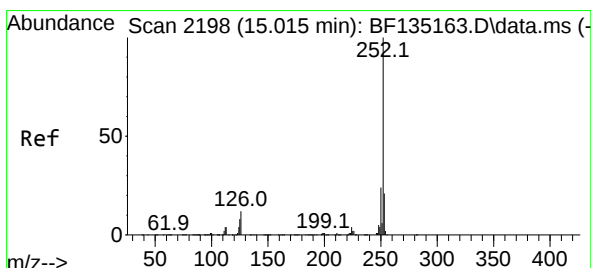
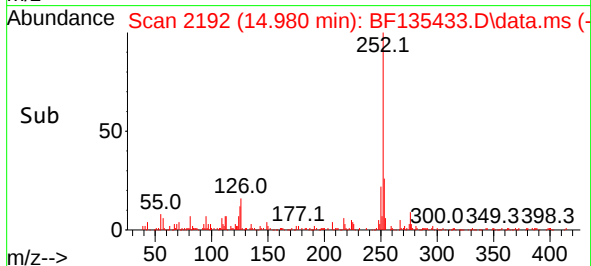
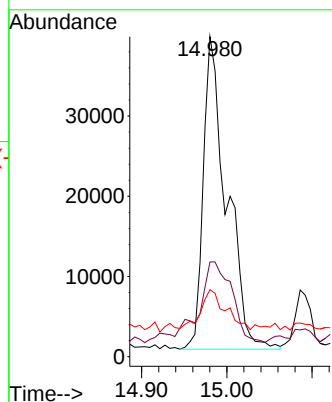
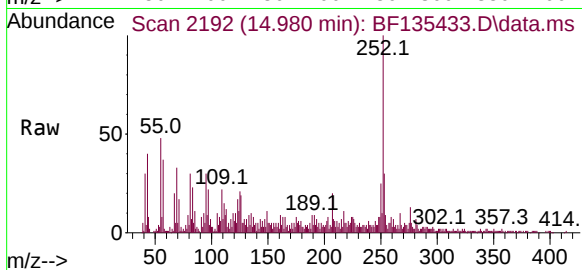
Acq: 25 Sep 2023 18:22

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	252	Resp:	74280
Ion Ratio	Lower	Upper	
252	100		
253	29.6	17.2	25.8#
125	20.9	7.1	10.7#



#89

Benzo(k)fluoranthene

Concen: 7.137 ng

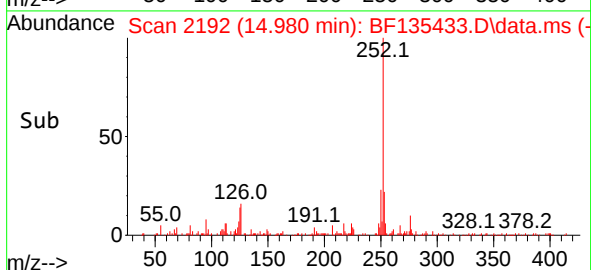
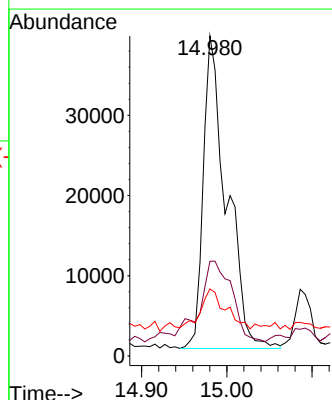
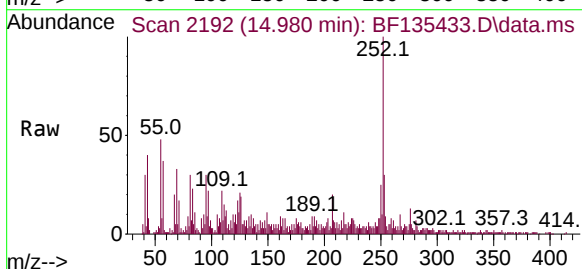
RT: 14.980 min Scan# 2192

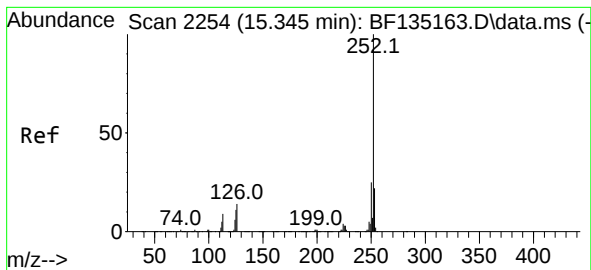
Delta R.T. -0.029 min

Lab File: BF135433.D

Acq: 25 Sep 2023 18:22

Tgt Ion:	252	Resp:	74280
Ion Ratio	Lower	Upper	
252	100		
253	29.6	17.4	26.0#
125	20.9	7.2	10.8#





#90

Benzo(a)pyrene

Concen: 4.249 ng

RT: 15.345 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135433.D

Acq: 25 Sep 2023 18:22

Instrument :

BNA_F

ClientSampleId :

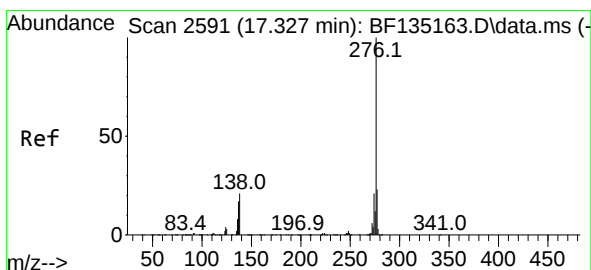
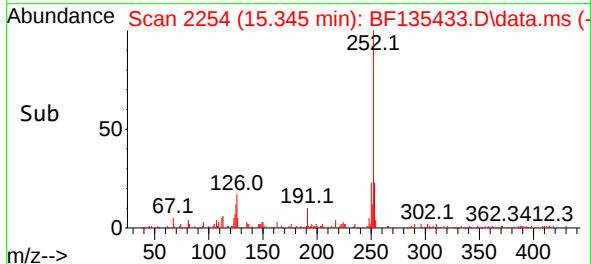
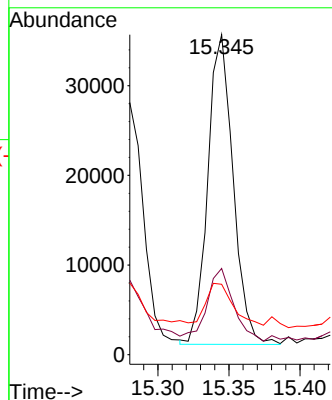
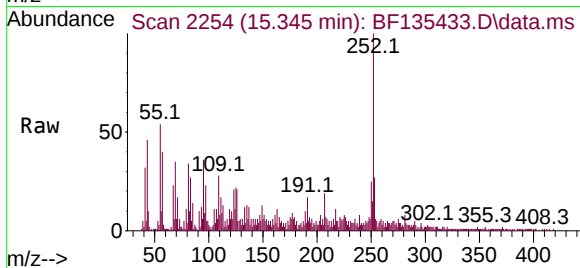
Tgt Ion:252 Resp: 42693

Ion Ratio Lower Upper

252 100

253 27.0 17.5 26.3#

125 22.0 9.2 13.8#



#92

Benzo(g,h,i)perylene

Concen: 2.202 ng

RT: 17.339 min Scan# 2593

Delta R.T. 0.006 min

Lab File: BF135433.D

Acq: 25 Sep 2023 18:22

Tgt Ion:276 Resp: 24016

Ion Ratio Lower Upper

276 100

277 29.3 18.8 28.2#

138 31.3 16.9 25.3#

