

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092623\
 Data File : BF135460.D
 Acq On : 26 Sep 2023 18:58
 Operator : CG\JU
 Sample : 04566-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B102-08-1

Quant Time: Sep 27 02:16:03 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)

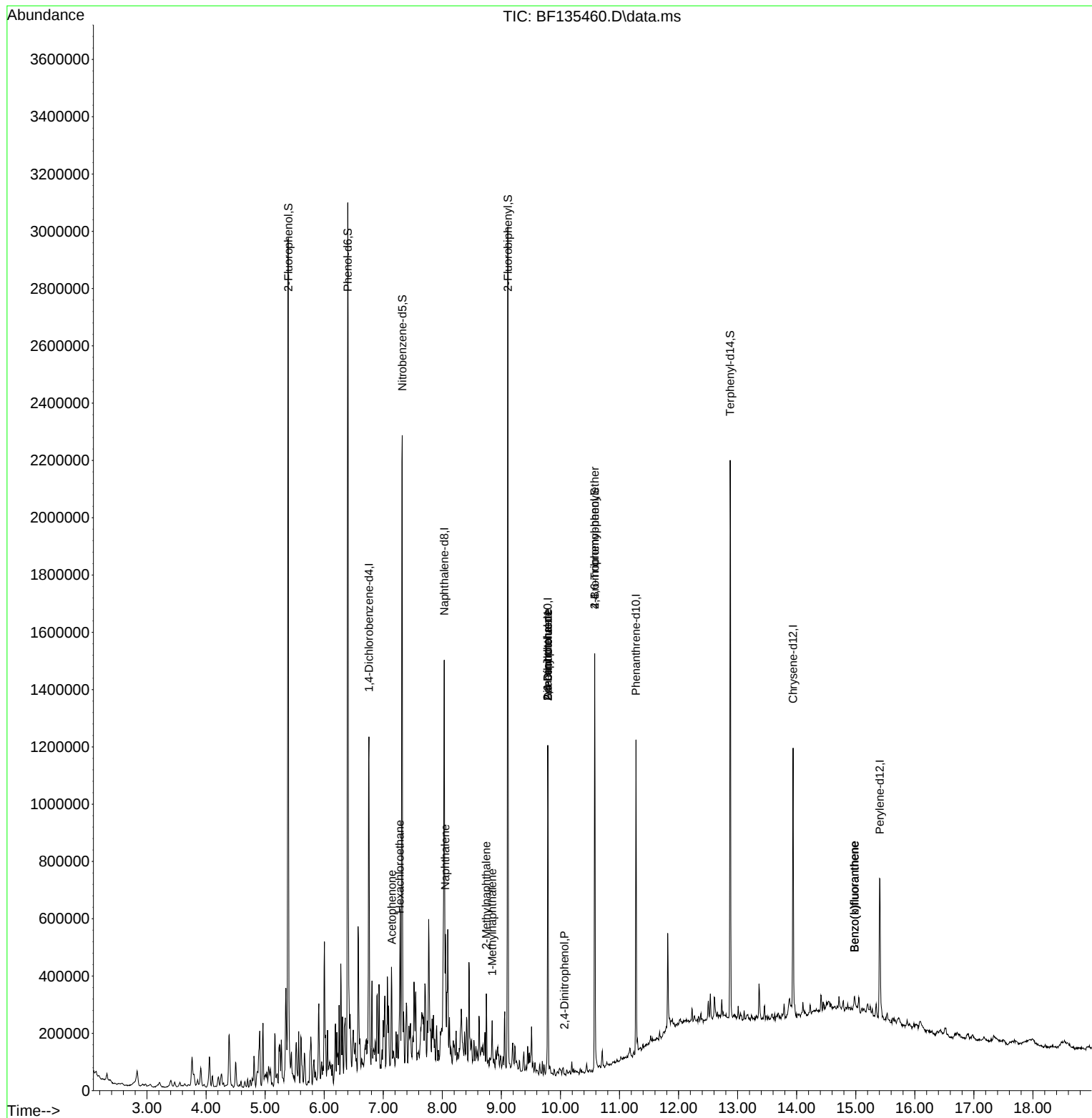
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	158075	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	560650	20.000	ng	# 0.00
39) Acenaphthene-d10	9.786	164	228996	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	380129	20.000	ng	# 0.00
76) Chrysene-d12	13.939	240	309038	20.000	ng	0.00
86) Perylene-d12	15.410	264	248664	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	890040	91.577	ng	0.01
7) Phenol-d6	6.398	99	1091679	88.336	ng	0.00
23) Nitrobenzene-d5	7.322	82	630111	61.060	ng	0.00
42) 2,4,6-Tribromophenol	10.580	330	156123	68.605	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	875368	57.673	ng	0.00
79) Terphenyl-d14	12.874	244	702016	35.214	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	7.281	117	27764	7.004	ng	# 1
22) Acetophenone	7.145	105	36907	2.879	ng	# 49
31) Naphthalene	8.051	128	124665	4.576	ng	# 96
37) 2-Methylnaphthalene	8.745	142	67871	3.707	ng	99
38) 1-Methylnaphthalene	8.845	142	39914	2.328	ng	96
50) Dimethylphthalate	9.786	163	42009	2.713	ng	# 1
51) 2,6-Dinitrotoluene	9.786	165	30140	8.886	ng	# 17
54) 2,4-Dinitrophenol	10.069	184	182	6.335	ng	# 35
57) 2,4-Dinitrotoluene	9.786	165	30140	7.098	ng	# 19
67) 4-Bromophenyl-phenylether	10.580	248	10230	2.706	ng	# 1
88) Benzo(b)fluoranthene	14.980	252	28153	2.091	ng	# 76
89) Benzo(k)fluoranthene	14.980	252	28153	2.117	ng	# 76

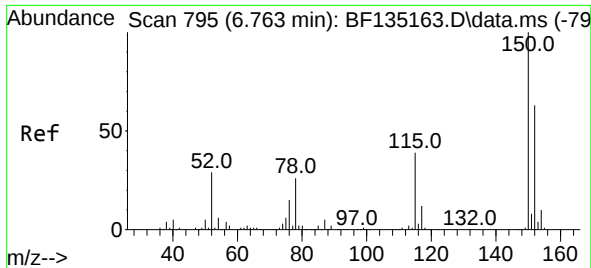
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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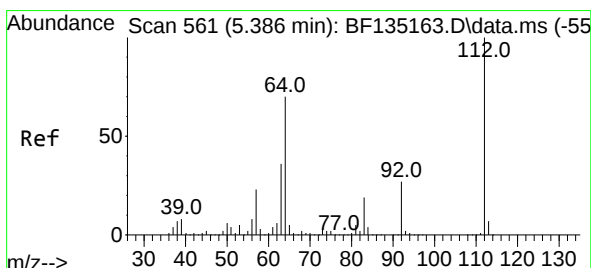
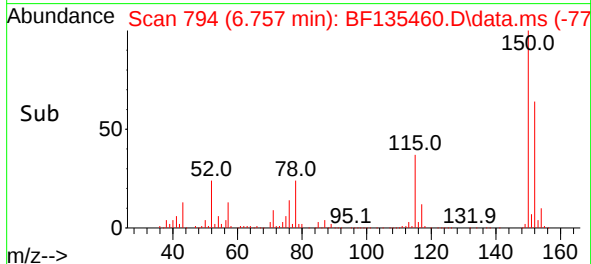
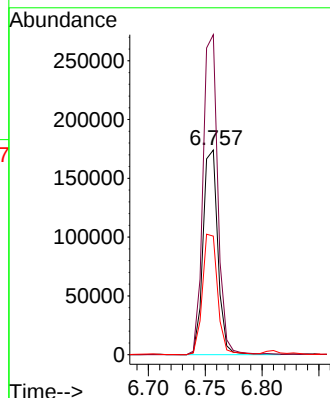
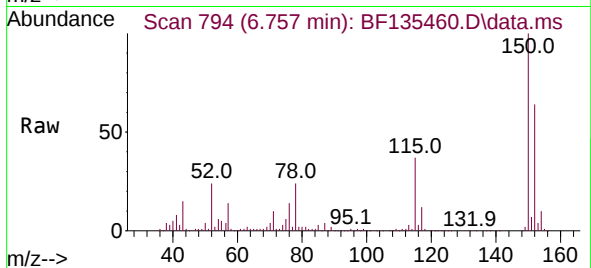




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.757 min Scan# 795
 Delta R.T. 0.006 min
 Lab File: BF135460.D
 Acq: 26 Sep 2023 18:58

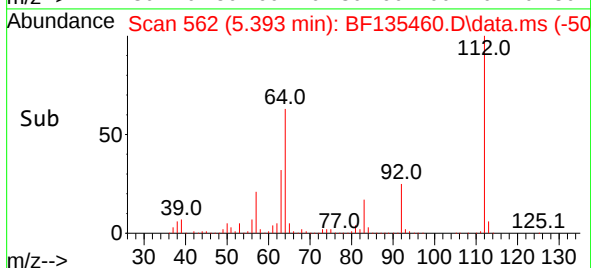
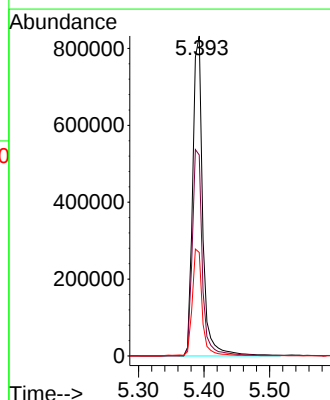
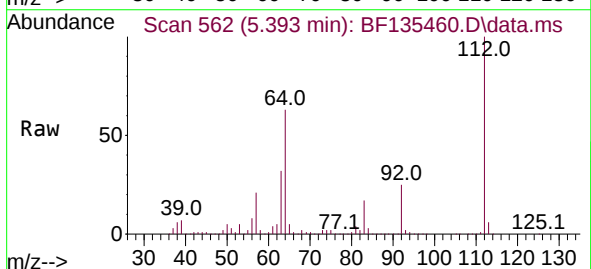
Instrument :
 BNA_F
 ClientSampleId :
 B102-08-1

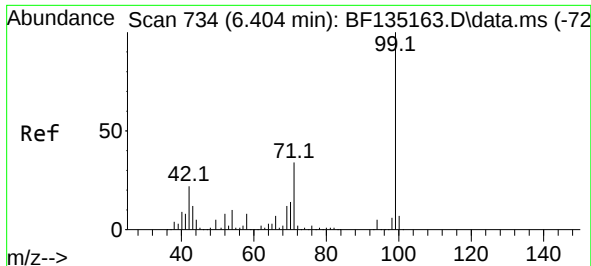
Tgt Ion:152 Resp: 158075
 Ion Ratio Lower Upper
 152 100
 150 156.4 127.8 191.6
 115 58.0 49.8 74.8



#5
 2-Fluorophenol
 Concen: 91.577 ng
 RT: 5.393 min Scan# 562
 Delta R.T. 0.012 min
 Lab File: BF135460.D
 Acq: 26 Sep 2023 18:58

Tgt Ion:112 Resp: 890040
 Ion Ratio Lower Upper
 112 100
 64 62.8 55.9 83.9
 63 32.4 29.0 43.6





#7

Phenol-d6

Concen: 88.336 ng

RT: 6.398 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF135460.D

Acq: 26 Sep 2023 18:58

Instrument :

BNA_F

ClientSampleId :

B102-08-1

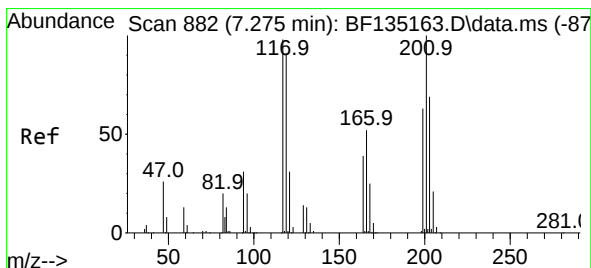
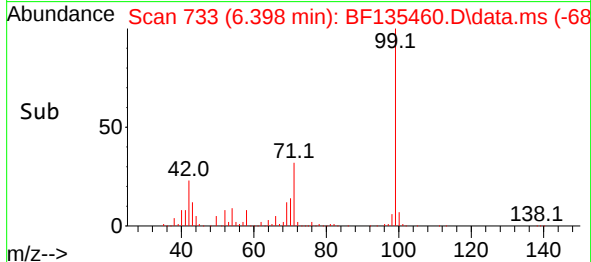
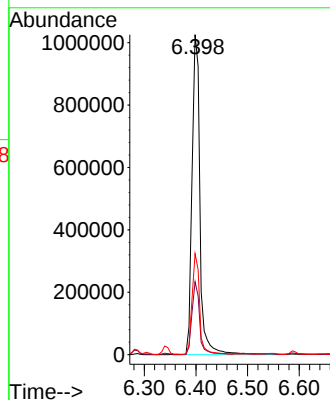
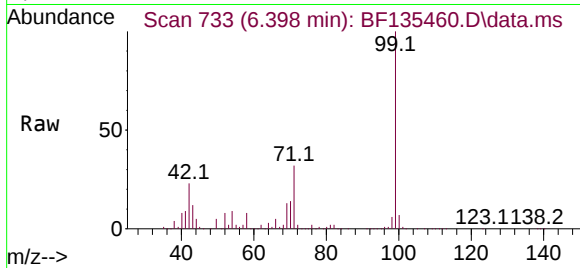
Tgt Ion: 99 Resp: 1091679

Ion Ratio Lower Upper

99 100

42 22.8 17.9 26.9

71 31.6 27.0 40.6



#18

Hexachloroethane

Concen: 7.004 ng

RT: 7.281 min Scan# 883

Delta R.T. 0.023 min

Lab File: BF135460.D

Acq: 26 Sep 2023 18:58

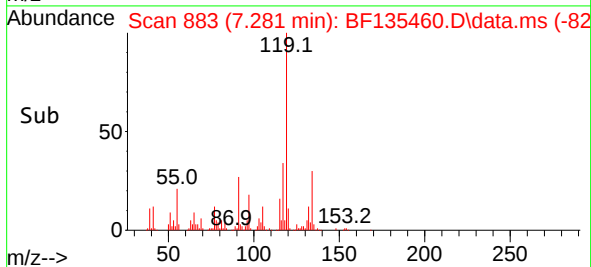
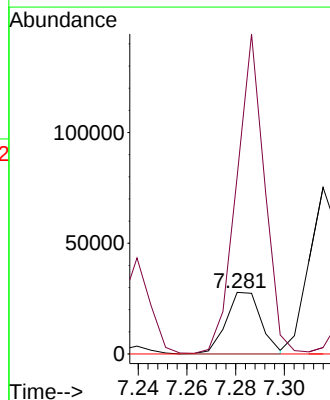
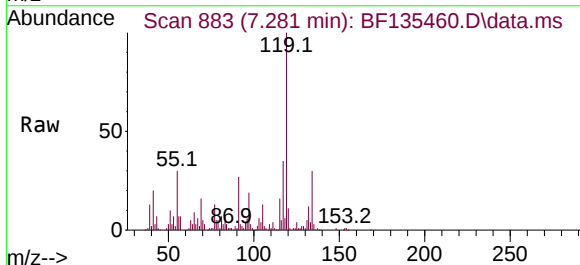
Tgt Ion: 117 Resp: 27764

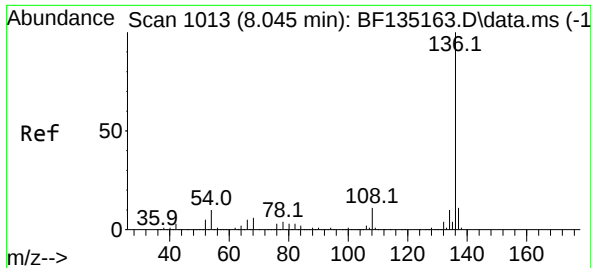
Ion Ratio Lower Upper

117 100

119 288.1 74.7 112.1#

201 0.0 81.8 122.8#

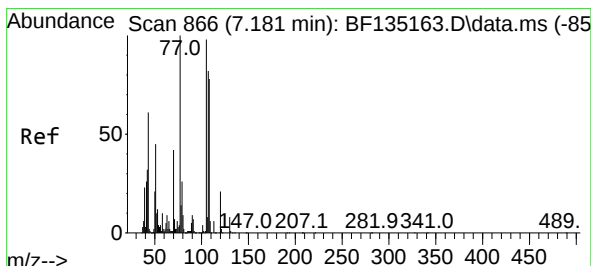
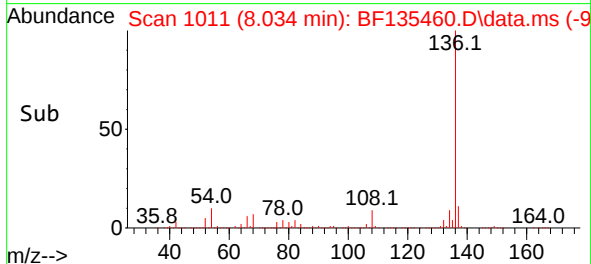
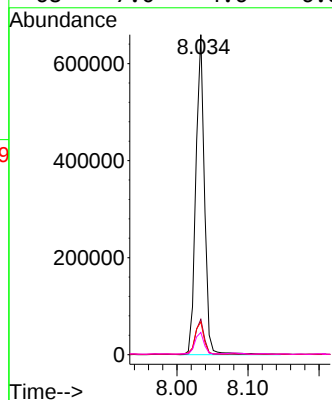
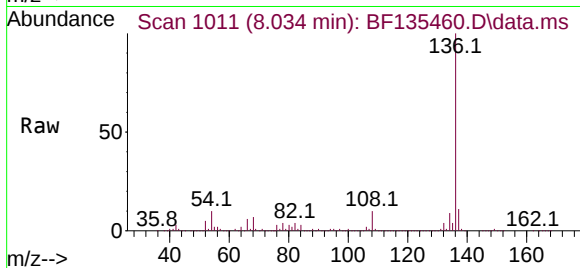




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF135460.D
Acq: 26 Sep 2023 18:58

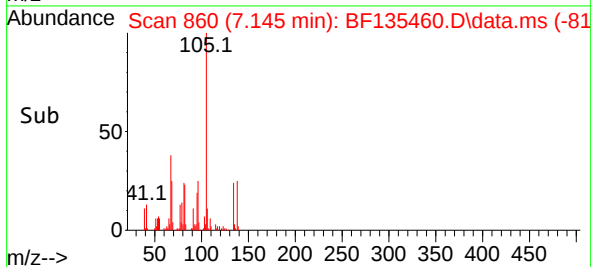
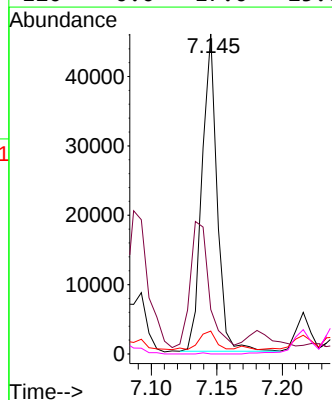
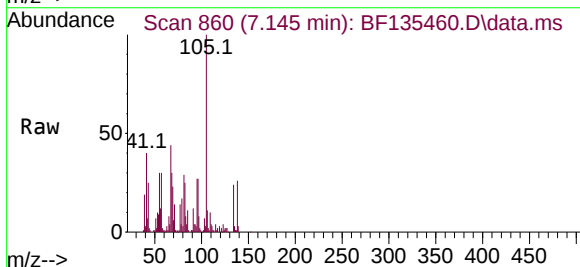
Instrument :
BNA_F
ClientSampleId :
B102-08-1

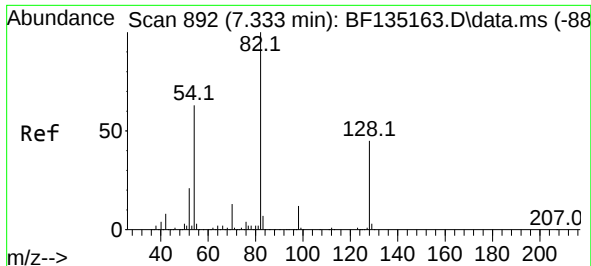
Tgt Ion:136 Resp: 560650
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 10.2 7.7 11.5
68 7.0 4.6 6.8#



#22
Acetophenone
Concen: 2.879 ng
RT: 7.145 min Scan# 860
Delta R.T. -0.024 min
Lab File: BF135460.D
Acq: 26 Sep 2023 18:58

Tgt Ion:105 Resp: 36907
Ion Ratio Lower Upper
105 100
71 13.9 5.8 8.6#
51 7.2 37.0 55.4#
120 0.0 17.0 25.6#

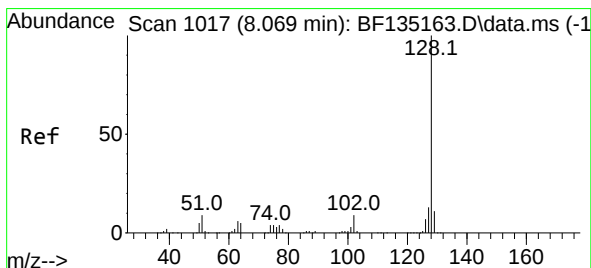
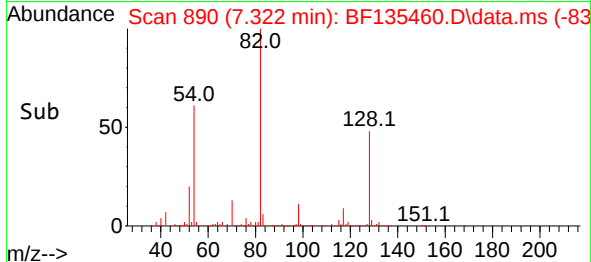
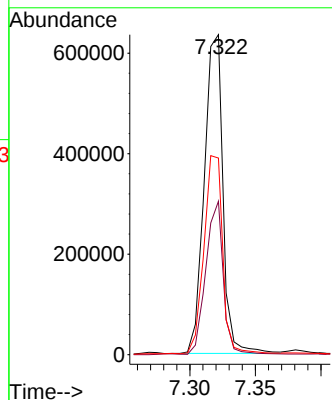
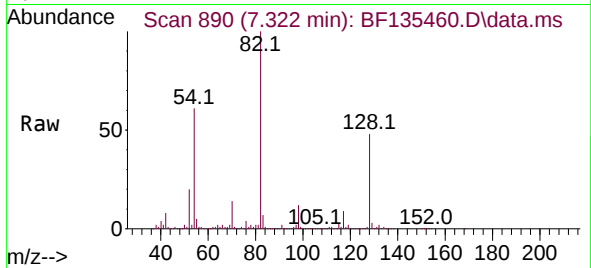




#23
Nitrobenzene-d5
Concen: 61.060 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.000 min
Lab File: BF135460.D
Acq: 26 Sep 2023 18:58

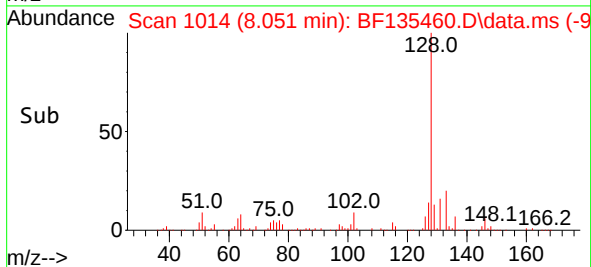
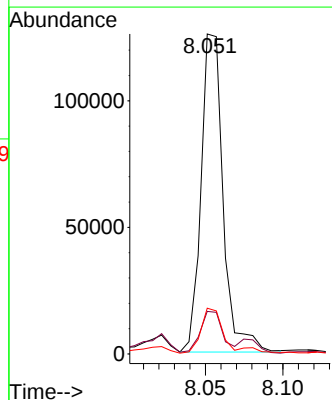
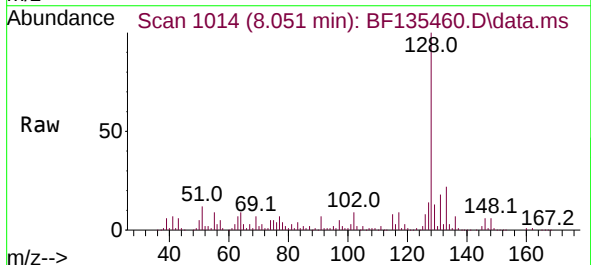
Instrument :
BNA_F
ClientSampleId :
B102-08-1

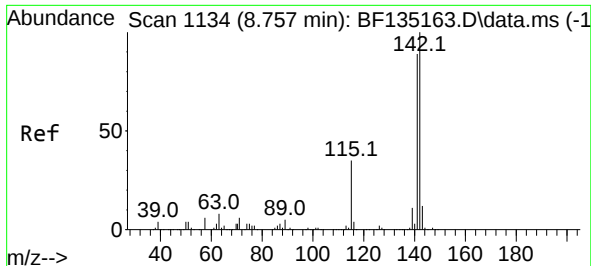
Tgt Ion: 82 Resp: 630111
Ion Ratio Lower Upper
82 100
128 47.9 35.8 53.6
54 61.5 50.6 76.0



#31
Naphthalene
Concen: 4.576 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF135460.D
Acq: 26 Sep 2023 18:58

Tgt Ion:128 Resp: 124665
Ion Ratio Lower Upper
128 100
129 13.3 8.7 13.1#
127 14.3 10.7 16.1





#37

2-Methylnaphthalene

Concen: 3.707 ng

RT: 8.745 min Scan# 1132

Delta R.T. -0.006 min

Lab File: BF135460.D

Acq: 26 Sep 2023 18:58

Instrument :

BNA_F

ClientSampleId :

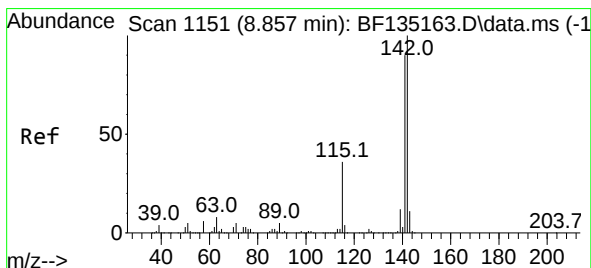
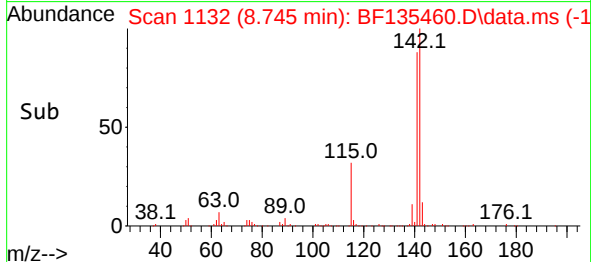
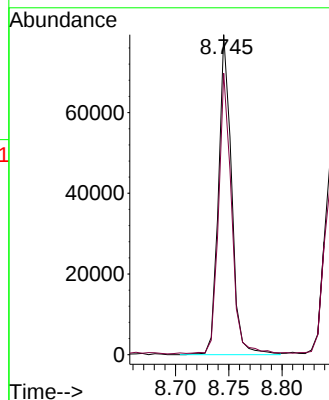
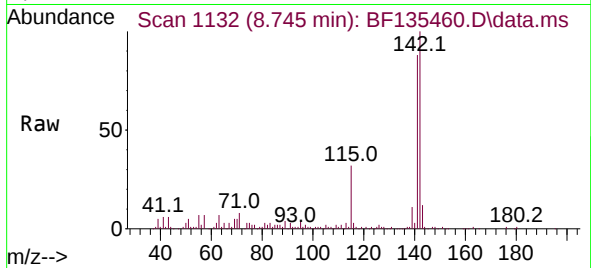
B102-08-1

Tgt Ion:142 Resp: 67871

Ion Ratio Lower Upper

142 100

141 87.9 71.0 106.6



#38

1-Methylnaphthalene

Concen: 2.328 ng

RT: 8.845 min Scan# 1149

Delta R.T. -0.000 min

Lab File: BF135460.D

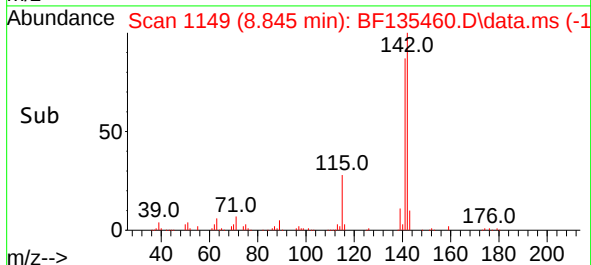
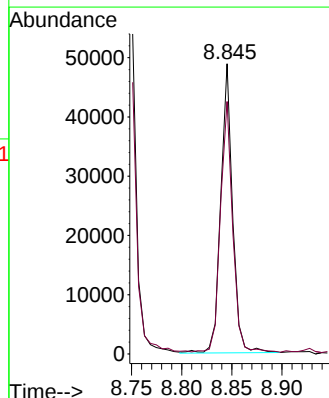
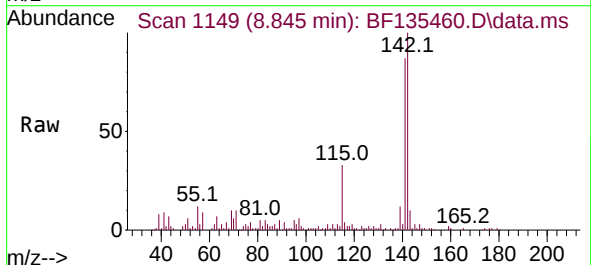
Acq: 26 Sep 2023 18:58

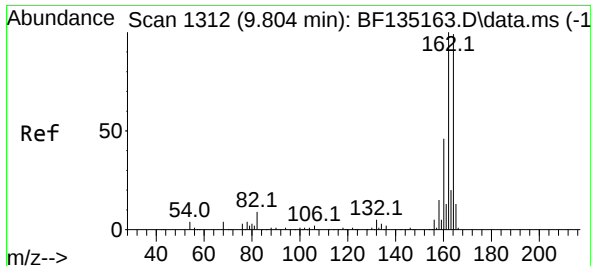
Tgt Ion:142 Resp: 39914

Ion Ratio Lower Upper

142 100

141 87.0 72.4 108.6

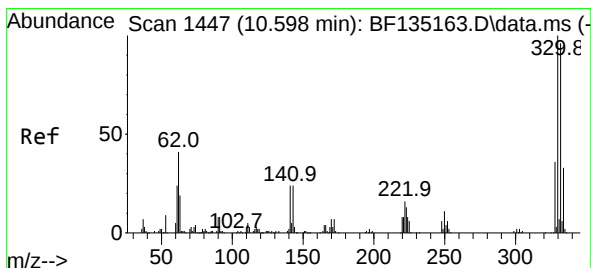
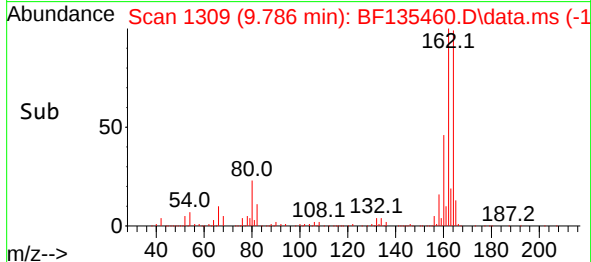
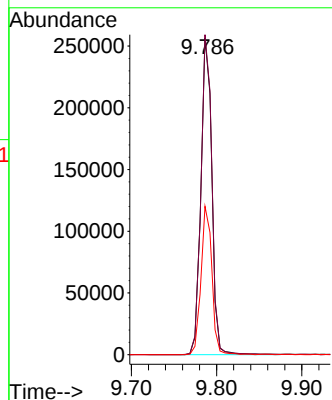
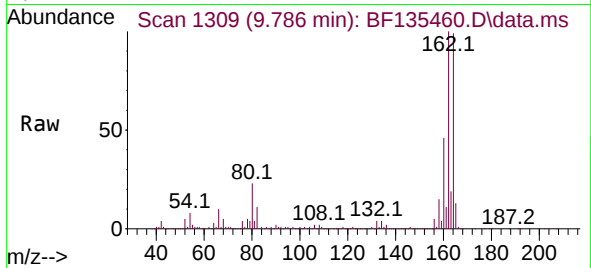




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135460.D
Acq: 26 Sep 2023 18:58

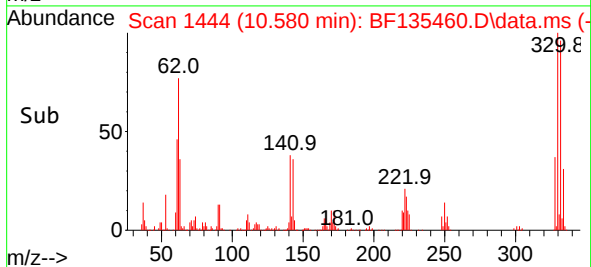
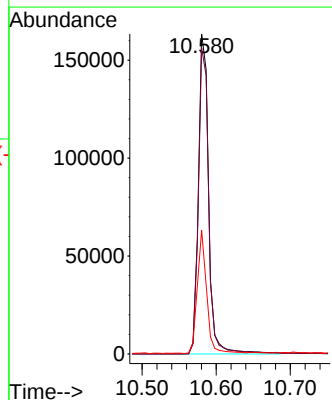
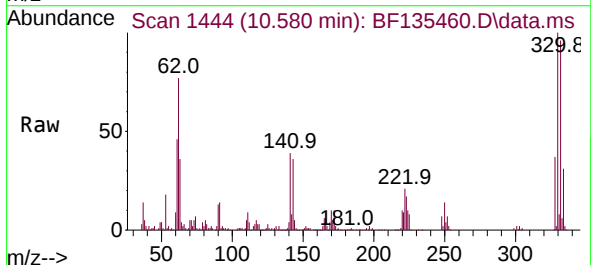
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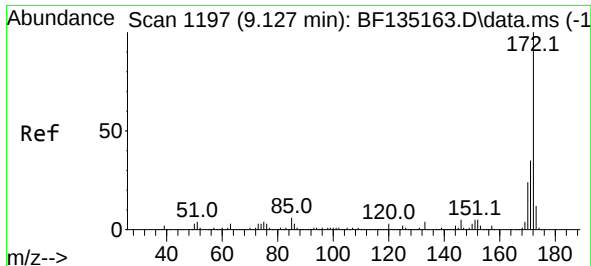
Tgt Ion:164 Resp: 228996
Ion Ratio Lower Upper
164 100
162 100.9 81.0 121.4
160 46.8 37.0 55.4



#42
2,4,6-Tribromophenol
Concen: 68.605 ng
RT: 10.580 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF135460.D
Acq: 26 Sep 2023 18:58

Tgt Ion:330 Resp: 156123
Ion Ratio Lower Upper
330 100
332 96.9 77.3 115.9
141 35.2 25.8 38.8

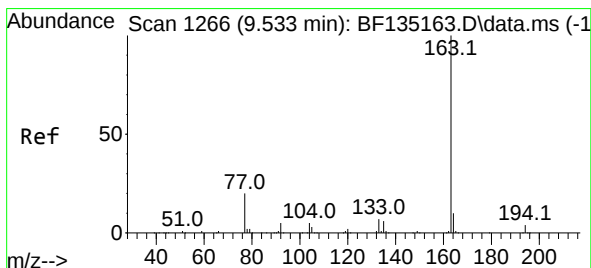
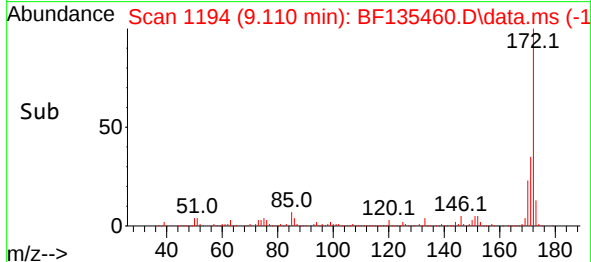
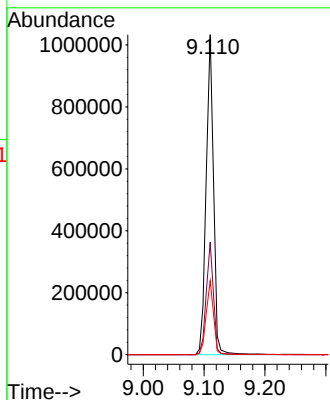
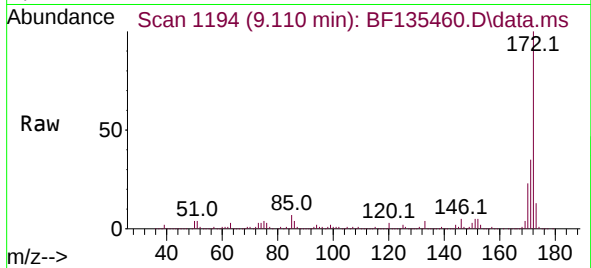




#45
2-Fluorobiphenyl
Concen: 57.673 ng
RT: 9.110 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF135460.D
Acq: 26 Sep 2023 18:58

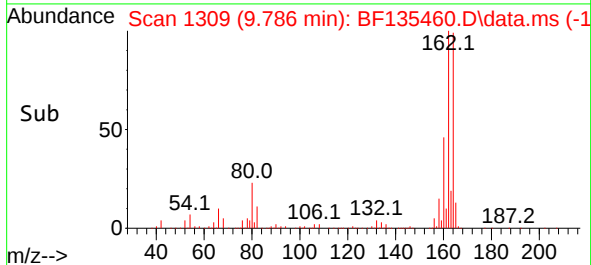
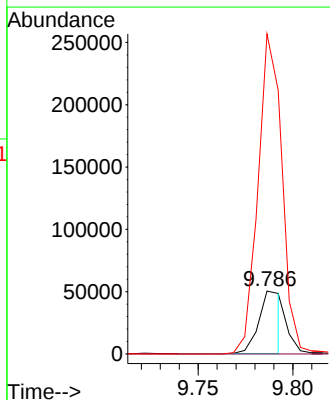
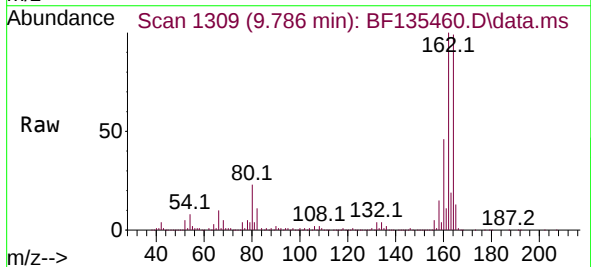
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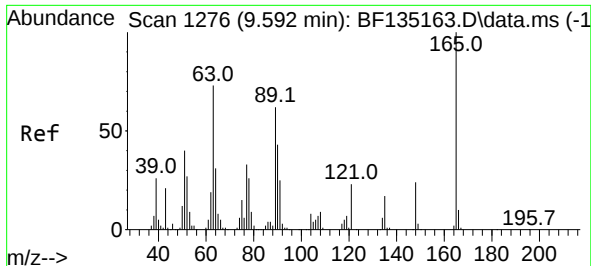
Tgt Ion:172 Resp: 875368
Ion Ratio Lower Upper
172 100
171 35.2 28.4 42.6
170 23.1 19.0 28.4



#50
Dimethylphthalate
Concen: 2.713 ng
RT: 9.786 min Scan# 1309
Delta R.T. 0.265 min
Lab File: BF135460.D
Acq: 26 Sep 2023 18:58

Tgt Ion:163 Resp: 42009
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 509.5 8.1 12.1#





#51

2,6-Dinitrotoluene

Concen: 8.886 ng

RT: 9.786 min Scan# 1

Delta R.T. 0.200 min

Lab File: BF135460.D

Acq: 26 Sep 2023 18:58

Instrument :

BNA_F

ClientSampleId :

B102-08-1

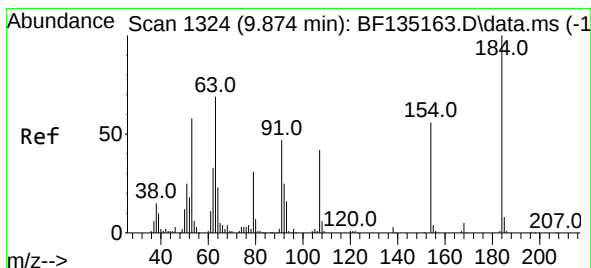
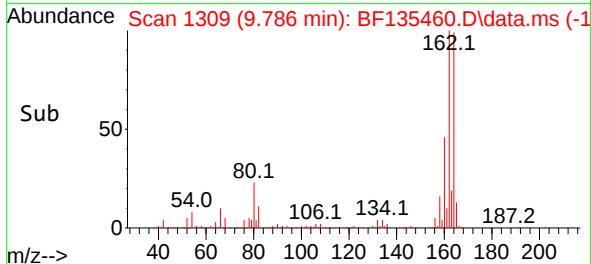
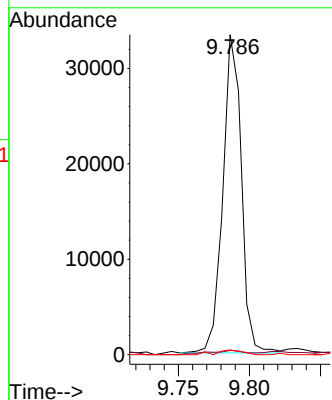
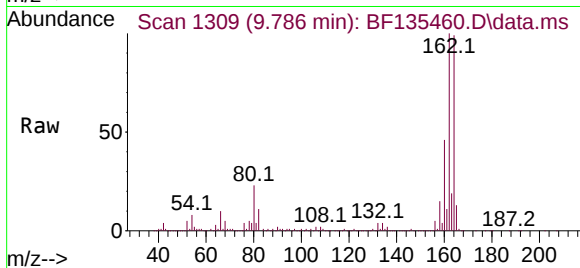
Tgt Ion:165 Resp: 30140

Ion Ratio Lower Upper

165 100

63 1.3 59.4 89.2#

89 1.5 49.8 74.8#



#54

2,4-Dinitrophenol

Concen: 6.335 ng

RT: 10.069 min Scan# 1357

Delta R.T. 0.194 min

Lab File: BF135460.D

Acq: 26 Sep 2023 18:58

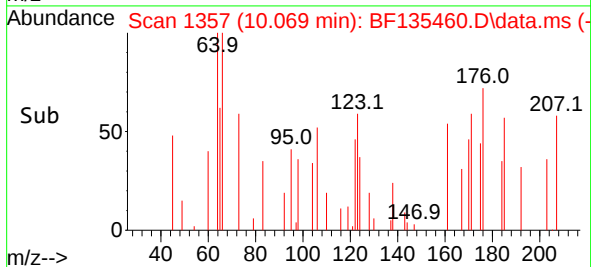
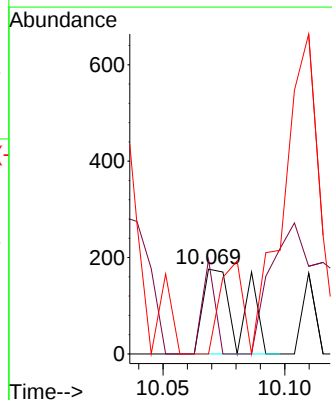
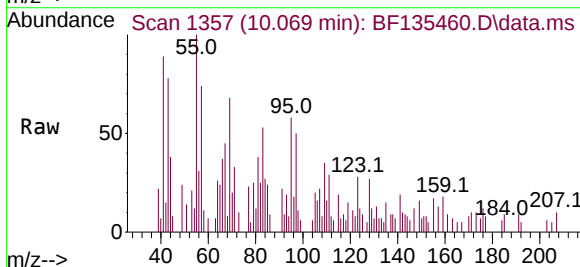
Tgt Ion:184 Resp: 182

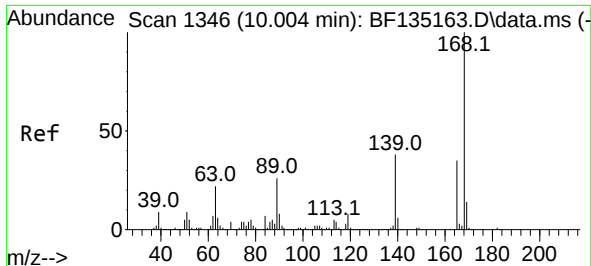
Ion Ratio Lower Upper

184 100

63 111.4 55.1 82.7#

154 0.0 48.4 72.6#

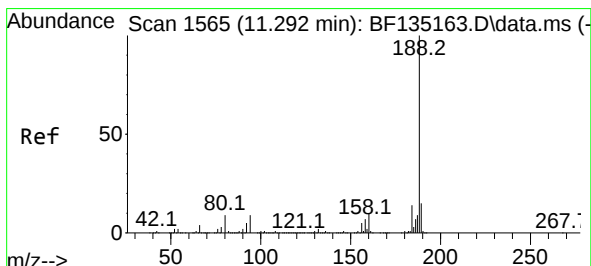
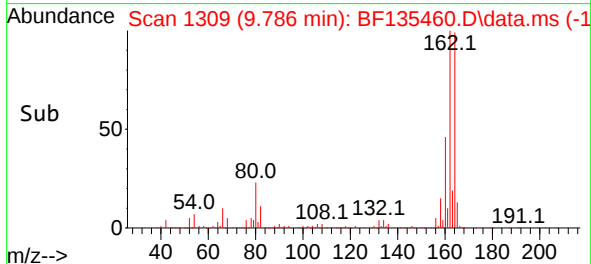
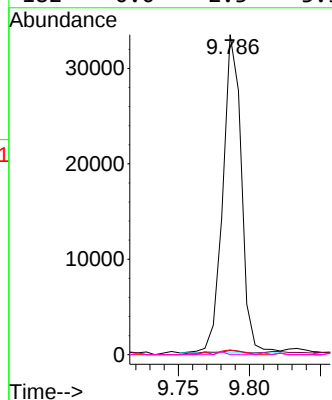
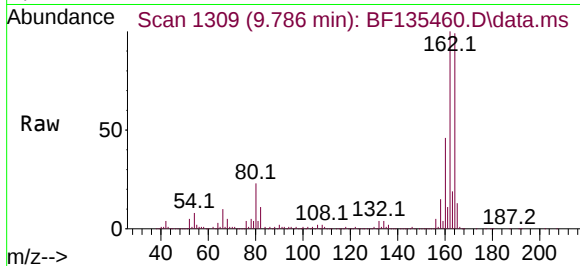




#57
2,4-Dinitrotoluene
Concen: 7.098 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF135460.D
Acq: 26 Sep 2023 18:58

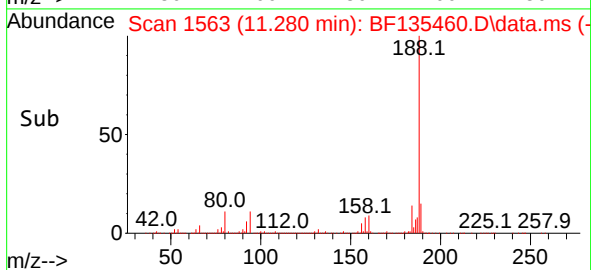
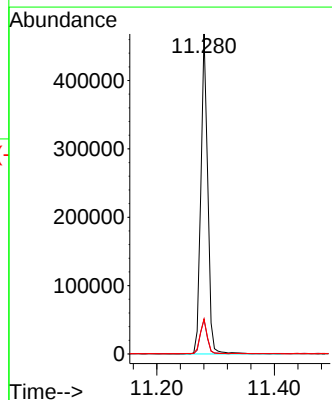
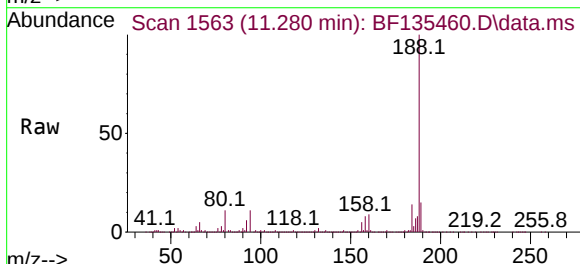
Instrument :
BNA_F
ClientSampleId :
B102-08-1

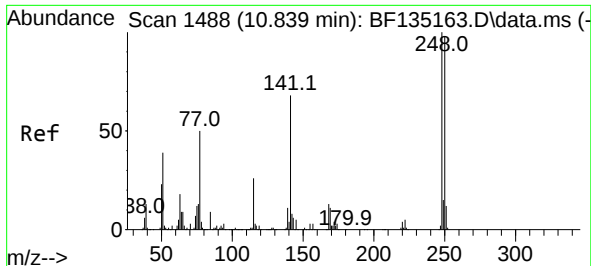
Tgt Ion:165 Resp: 30140
Ion Ratio Lower Upper
165 100
63 1.3 50.1 75.1#
89 1.5 59.3 88.9#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.280 min Scan# 1563
Delta R.T. -0.006 min
Lab File: BF135460.D
Acq: 26 Sep 2023 18:58

Tgt Ion:188 Resp: 380129
Ion Ratio Lower Upper
188 100
94 10.8 7.0 10.6#
80 10.9 7.5 11.3

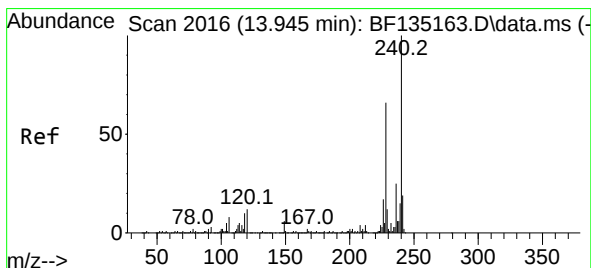
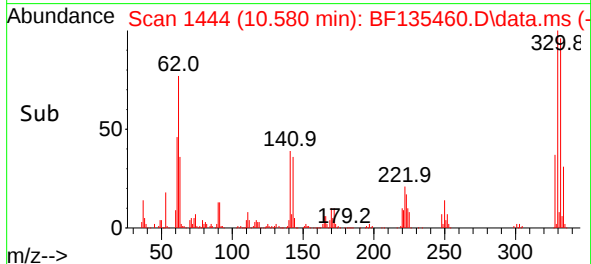
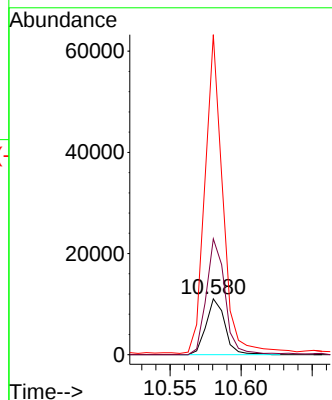
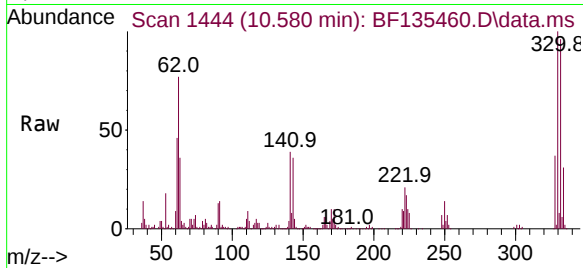




#67
4-Bromophenyl-phenylether
Concen: 2.706 ng
RT: 10.580 min Scan# 1488
Delta R.T. -0.247 min
Lab File: BF135460.D
Acq: 26 Sep 2023 18:58

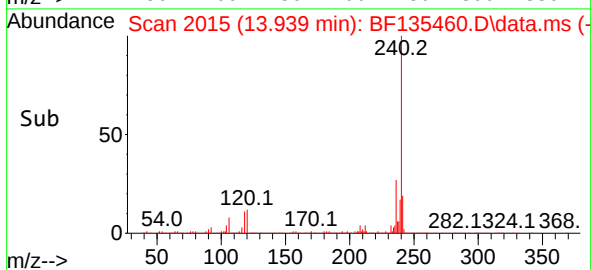
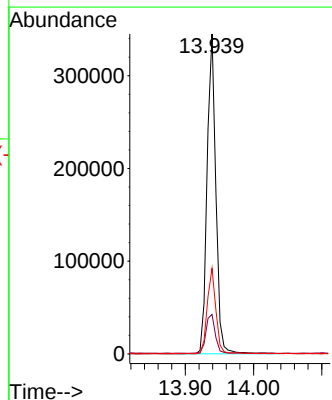
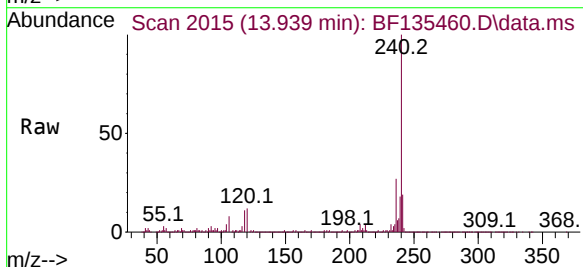
Instrument :
BNA_F
ClientSampleId :
B102-08-1

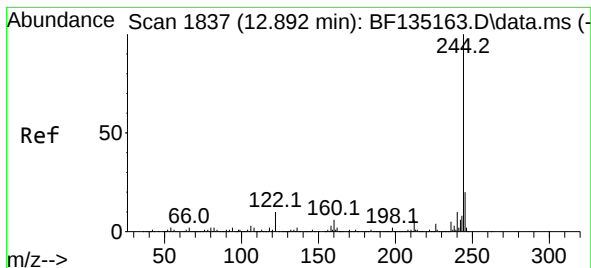
Tgt Ion:248 Resp: 10230
Ion Ratio Lower Upper
248 100
250 207.4 78.6 117.8#
141 572.5 54.2 81.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135460.D
Acq: 26 Sep 2023 18:58

Tgt Ion:240 Resp: 309038
Ion Ratio Lower Upper
240 100
120 12.3 9.4 14.2
236 26.8 19.8 29.8





#79

Terphenyl-d14

Concen: 35.214 ng

RT: 12.874 min Scan# 1834

Delta R.T. -0.006 min

Lab File: BF135460.D

Acq: 26 Sep 2023 18:58

Instrument :

BNA_F

ClientSampleId :

B102-08-1

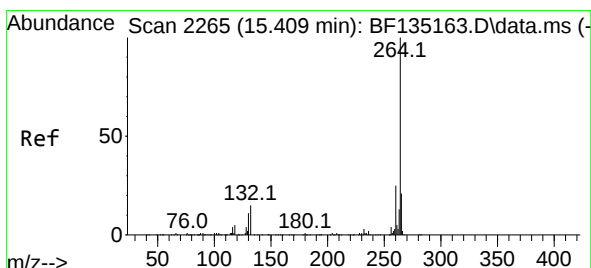
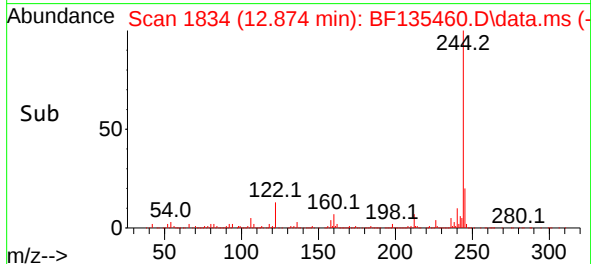
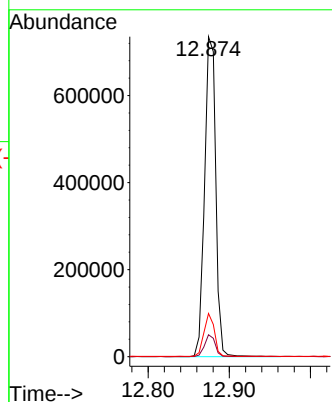
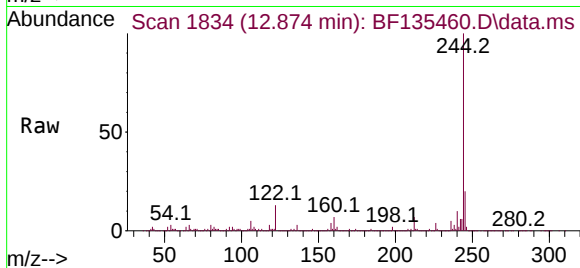
Tgt Ion:244 Resp: 702016

Ion Ratio Lower Upper

244 100

212 6.9 5.1 7.7

122 13.5 7.9 11.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 2265

Delta R.T. 0.006 min

Lab File: BF135460.D

Acq: 26 Sep 2023 18:58

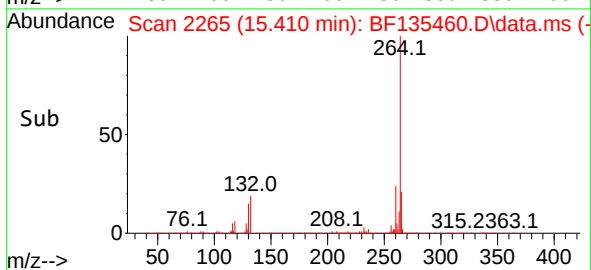
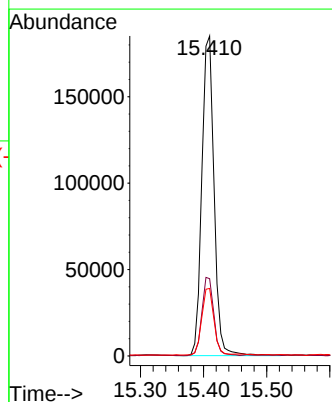
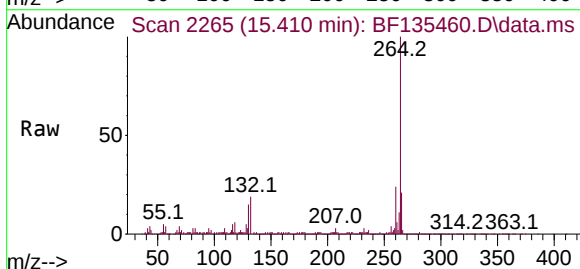
Tgt Ion:264 Resp: 248664

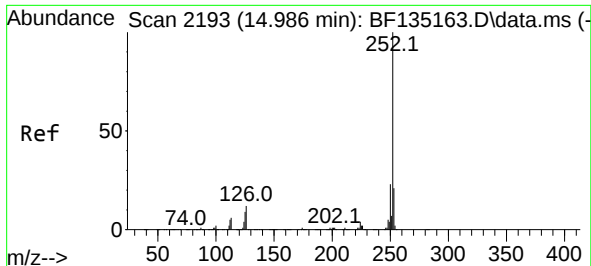
Ion Ratio Lower Upper

264 100

260 24.1 19.8 29.6

265 21.1 17.0 25.4

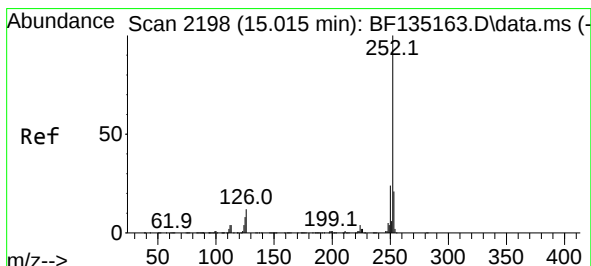
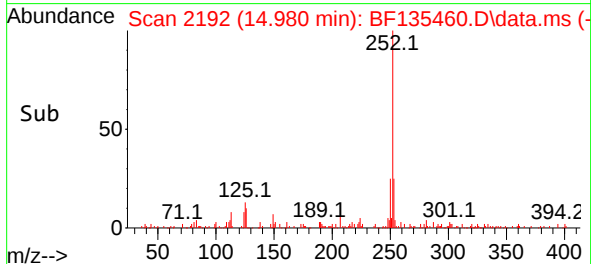
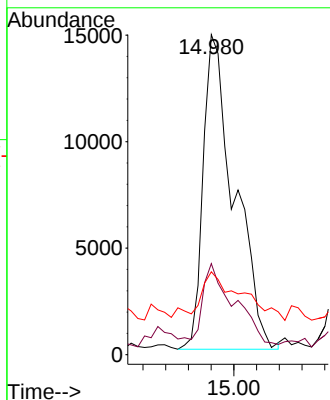
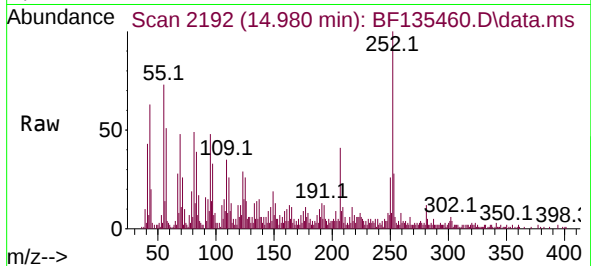




#88
Benzo(b)fluoranthene
Concen: 2.091 ng
RT: 14.980 min Scan# 2193
Delta R.T. -0.000 min
Lab File: BF135460.D
Acq: 26 Sep 2023 18:58

Instrument :
BNA_F
ClientSampleId :
B102-08-1

Tgt Ion:252 Resp: 28153
Ion Ratio Lower Upper
252 100
253 28.5 17.2 25.8#
125 25.9 7.1 10.7#



#89
Benzo(k)fluoranthene
Concen: 2.117 ng
RT: 14.980 min Scan# 2192
Delta R.T. -0.029 min
Lab File: BF135460.D
Acq: 26 Sep 2023 18:58

Tgt Ion:252 Resp: 28153
Ion Ratio Lower Upper
252 100
253 28.5 17.4 26.0#
125 25.9 7.2 10.8#

