

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091423\
 Data File : BF135266.D
 Acq On : 14 Sep 2023 21:42
 Operator : CG\JU
 Sample : 04399-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11985

Quant Time: Sep 15 01:37:33 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 12 00:19:07 2023
 Response via : Initial Calibration

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

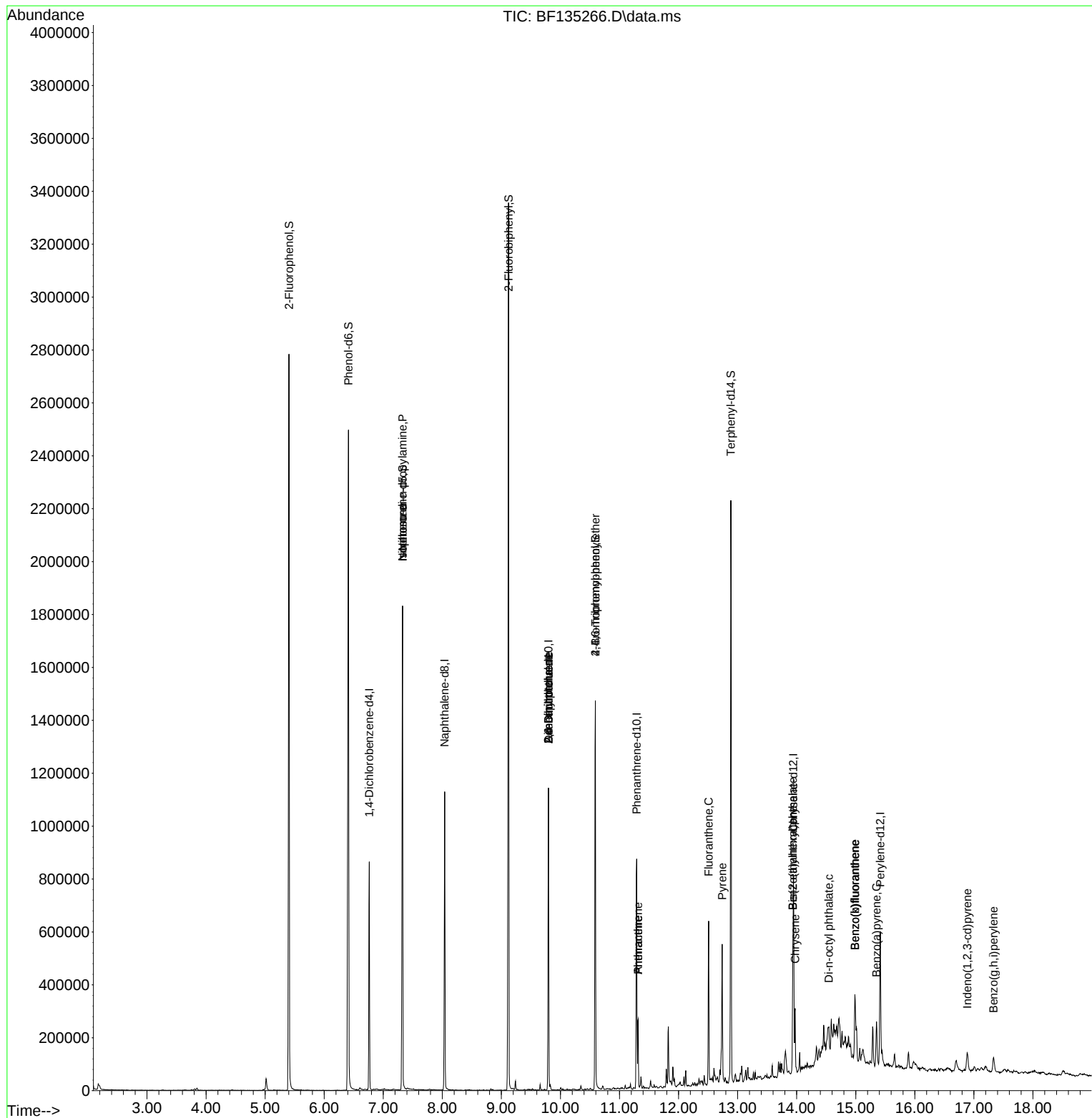
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	121178	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	455602	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	215424	20.000	ng	0.00
64) Phenanthrene-d10	11.292	188	334166	20.000	ng	0.00
76) Chrysene-d12	13.945	240	219608	20.000	ng	0.00
86) Perylene-d12	15.415	264	239994	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	726134	97.461	ng	0.02
7) Phenol-d6	6.410	99	903574	95.377	ng	0.00
23) Nitrobenzene-d5	7.328	82	566642	67.571	ng	0.00
42) 2,4,6-Tribromophenol	10.592	330	174827	81.665	ng	0.00
45) 2-Fluorobiphenyl	9.122	172	1012847	70.935	ng	0.00
79) Terphenyl-d14	12.886	244	800791	56.527	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.328	70	76552	13.046	ng	# 75
25) Isophorone	7.328	82	564145	36.636	ng	# 65
50) Dimethylphthalate	9.798	163	42556	2.922	ng	# 1
51) 2,6-Dinitrotoluene	9.798	165	27294	8.554	ng	# 18
57) 2,4-Dinitrotoluene	9.798	165	27294	6.833	ng	# 19
67) 4-Bromophenyl-phenylether	10.592	248	11022	3.316	ng	# 1
71) Phenanthrene	11.316	178	97906	6.195	ng	99
72) Anthracene	11.316	178	97906	6.027	ng	98
75) Fluoranthene	12.510	202	241945	14.692	ng	98
78) Pyrene	12.739	202	207788	9.938	ng	97
81) Benzo(a)anthracene	13.933	228	85374	6.020	ng	98
83) Chrysene	13.974	228	104814	7.434	ng	99
84) Bis(2-ethylhexyl)phtha...	13.933	149	51052	6.758	ng	100
85) Di-n-octyl phthalate	14.545	149	57041	4.751	ng	# 66
87) Indeno(1,2,3-cd)pyrene	16.886	276	48298	3.069	ng	98
88) Benzo(b)fluoranthene	14.986	252	189513	14.587	ng	# 98
89) Benzo(k)fluoranthene	14.986	252	189513	14.767	ng	# 97
90) Benzo(a)pyrene	15.351	252	81733	6.597	ng	96
92) Benzo(g,h,i)perylene	17.333	276	47677	3.546	ng	97

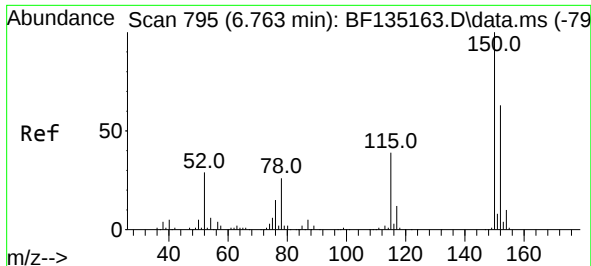
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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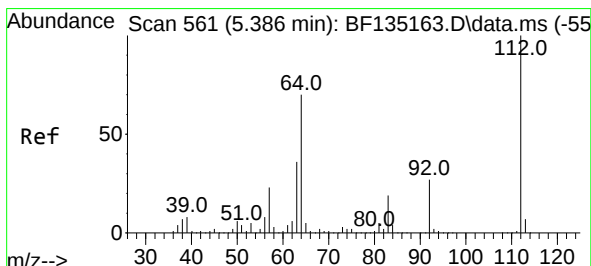
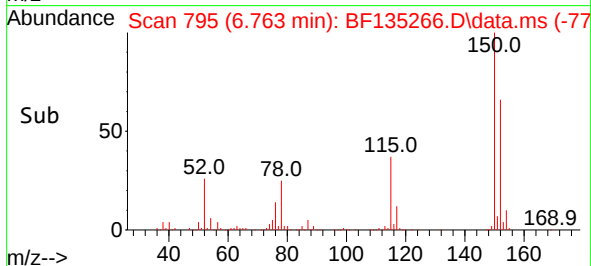
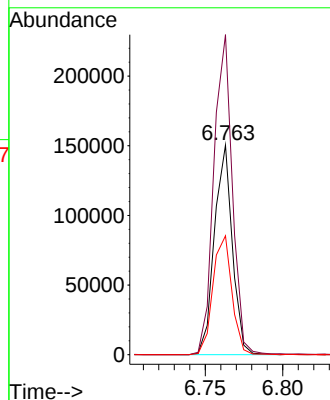
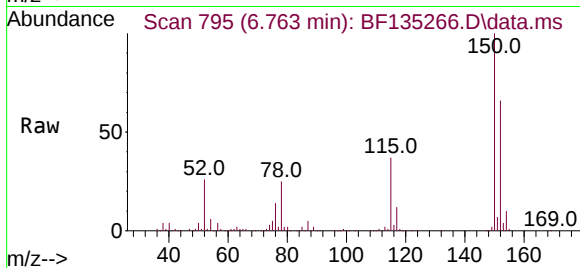




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135266.D
Acq: 14 Sep 2023 21:42

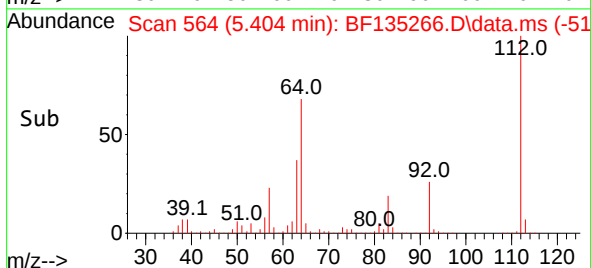
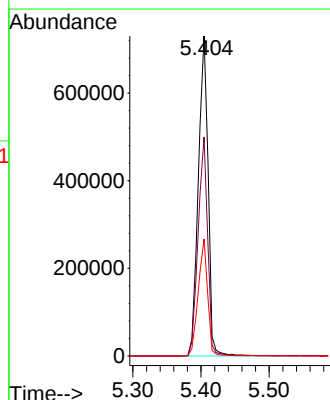
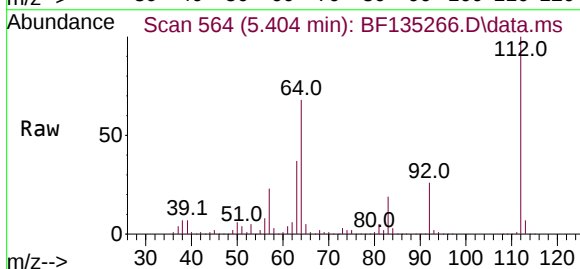
Instrument :
BNA_F
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72-11985

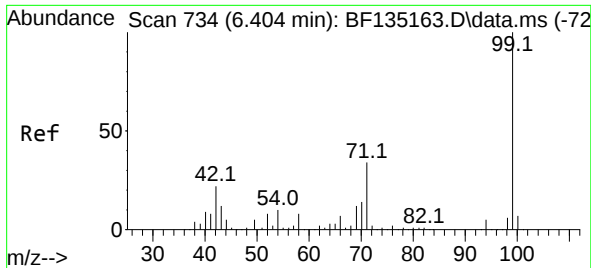
Tgt Ion:152 Resp: 121178
Ion Ratio Lower Upper
152 100
150 152.6 127.8 191.6
115 56.7 49.8 74.8



#5
2-Fluorophenol
Concen: 97.461 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.018 min
Lab File: BF135266.D
Acq: 14 Sep 2023 21:42

Tgt Ion:112 Resp: 726134
Ion Ratio Lower Upper
112 100
64 68.4 55.9 83.9
63 36.6 29.0 43.6

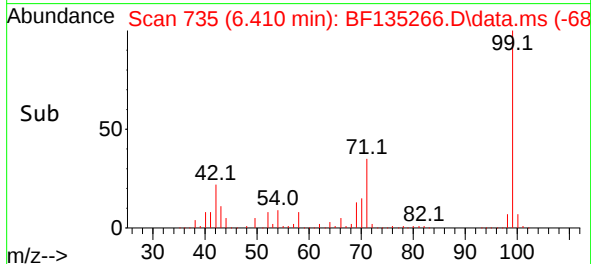
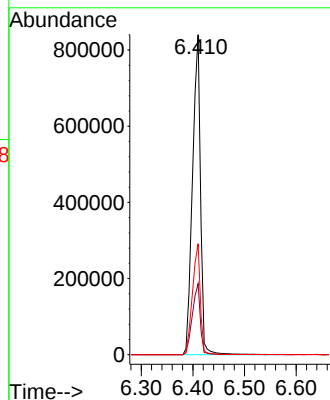
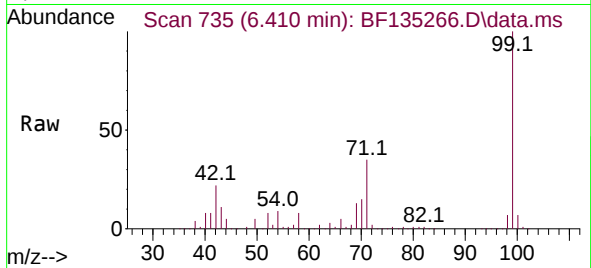




#7
Phenol-d6
Concen: 95.377 ng
RT: 6.410 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF135266.D
Acq: 14 Sep 2023 21:42

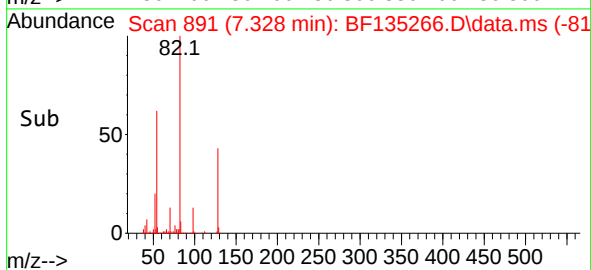
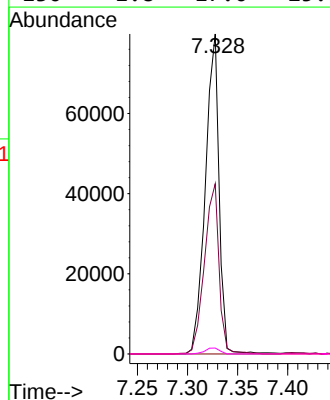
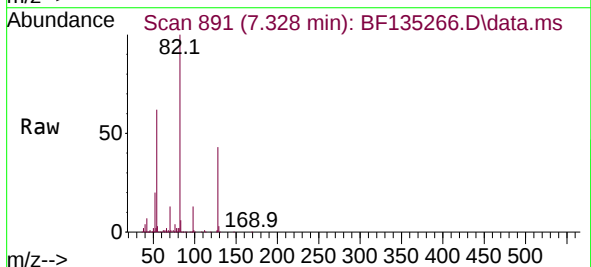
Instrument :
BNA_F
ClientSampleId :
72-11985

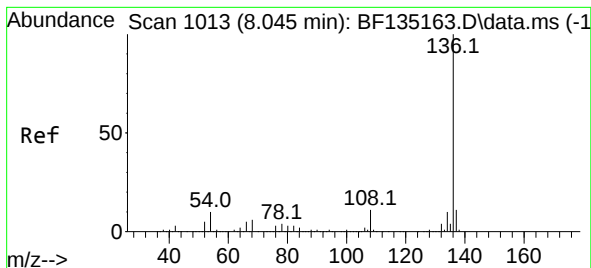
Tgt Ion: 99 Resp: 903574
Ion Ratio Lower Upper
99 100
42 22.2 17.9 26.9
71 34.7 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 13.046 ng
RT: 7.328 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF135266.D
Acq: 14 Sep 2023 21:42

Tgt Ion: 70 Resp: 76552
Ion Ratio Lower Upper
70 100
42 53.2 55.4 83.0#
101 0.0 7.7 11.5#
130 1.8 17.0 25.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.039 min Scan# 1012

Delta R.T. -0.006 min

Lab File: BF135266.D

Acq: 14 Sep 2023 21:42

Instrument :

BNA_F

ClientSampleId :

72-11985

Tgt Ion:136 Resp: 455602

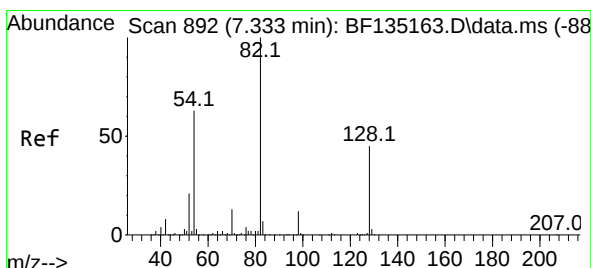
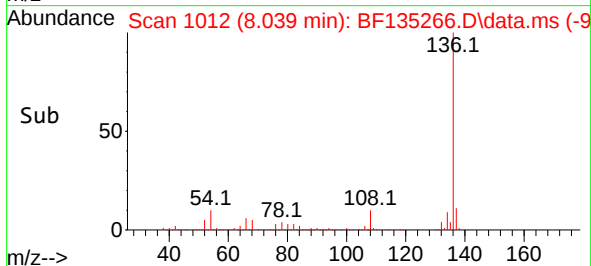
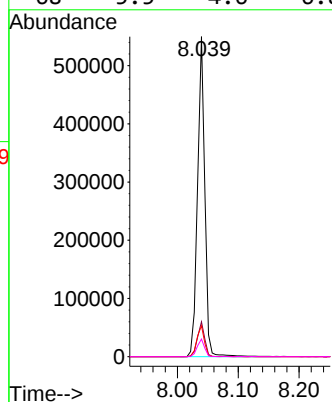
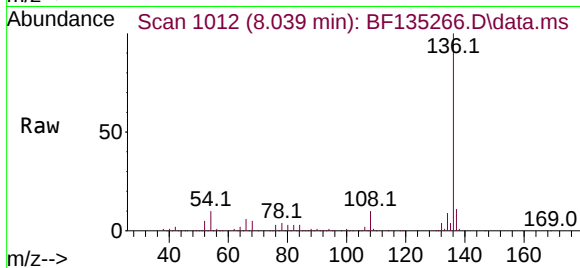
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 9.7 7.7 11.5

68 5.5 4.6 6.8



#23

Nitrobenzene-d5

Concen: 67.571 ng

RT: 7.328 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF135266.D

Acq: 14 Sep 2023 21:42

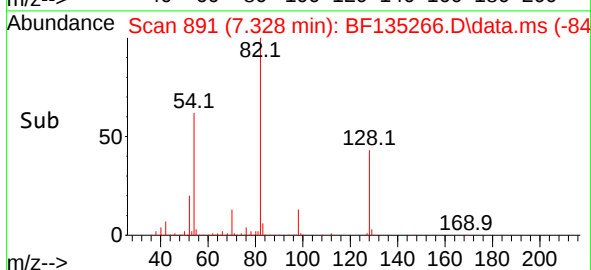
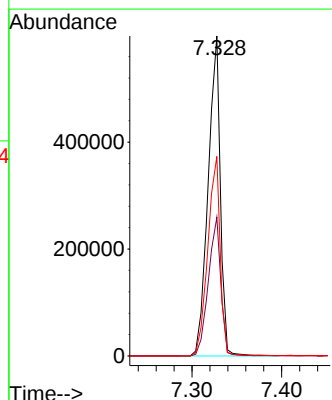
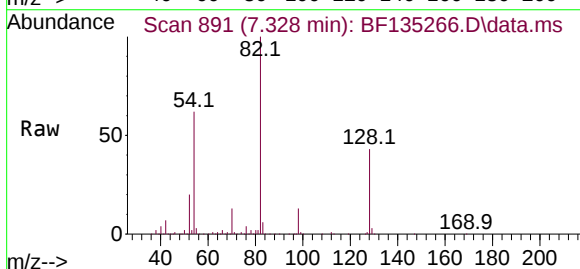
Tgt Ion: 82 Resp: 566642

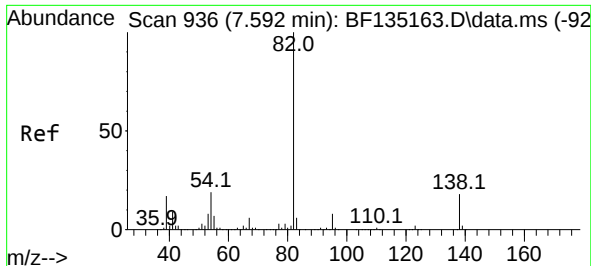
Ion Ratio Lower Upper

82 100

128 43.4 35.8 53.6

54 62.3 50.6 76.0

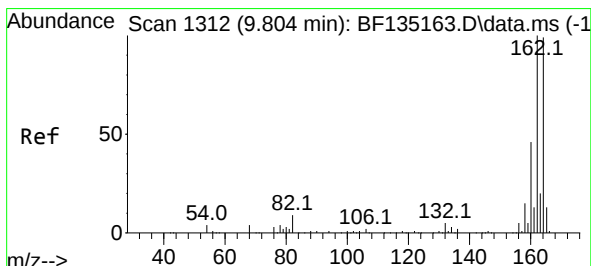
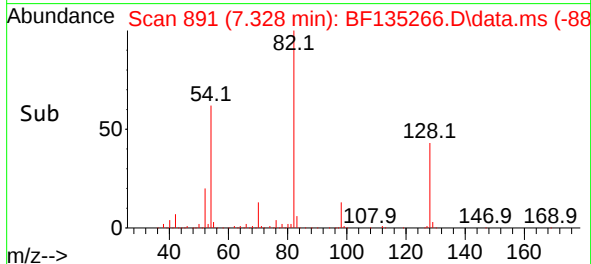
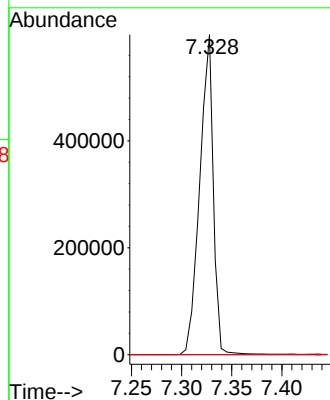
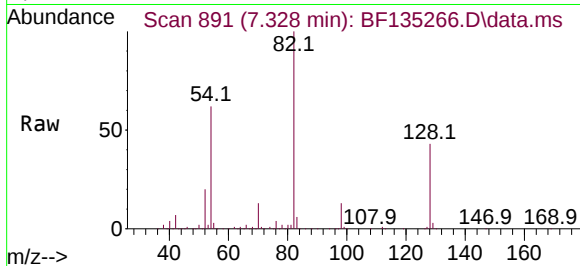




#25
Isophorone
Concen: 36.636 ng
RT: 7.328 min Scan# 891
Delta R.T. -0.265 min
Lab File: BF135266.D
Acq: 14 Sep 2023 21:42

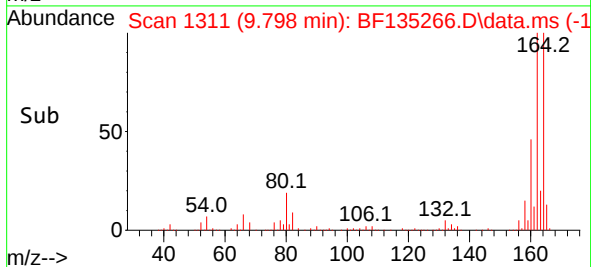
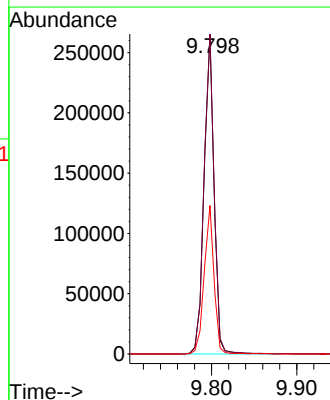
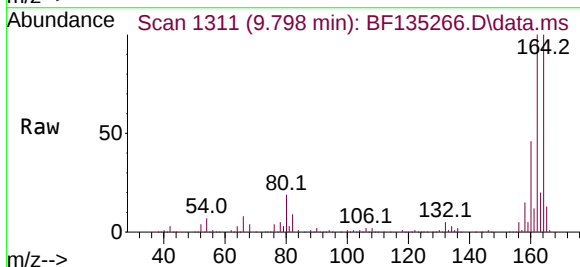
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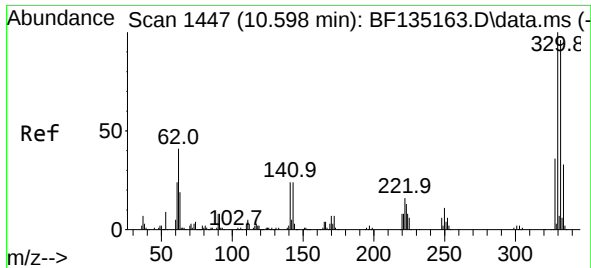
Tgt Ion: 82 Resp: 564145
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.798 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BF135266.D
Acq: 14 Sep 2023 21:42

Tgt Ion: 164 Resp: 215424
Ion Ratio Lower Upper
164 100
162 100.3 81.0 121.4
160 46.5 37.0 55.4

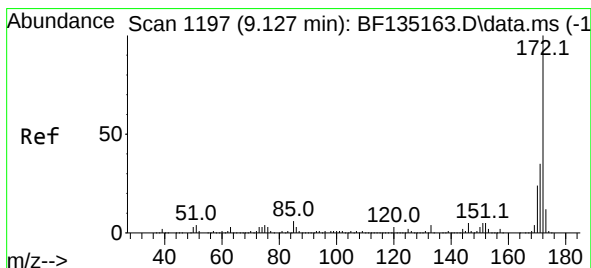
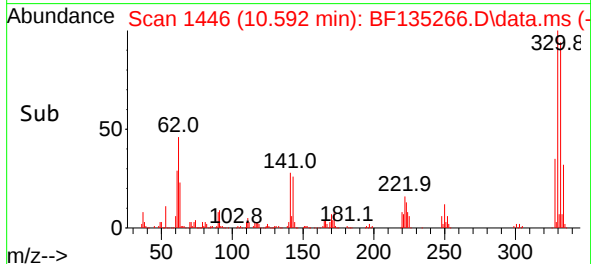
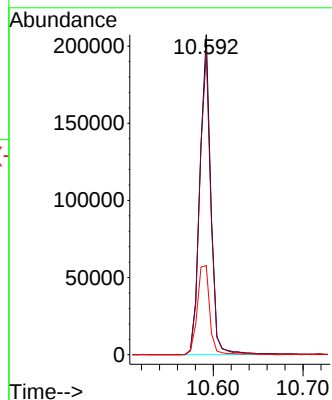
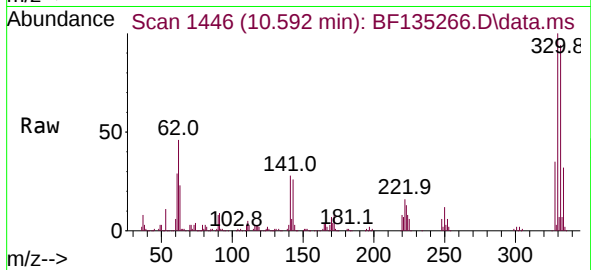




#42
2,4,6-Tribromophenol
Concen: 81.665 ng
RT: 10.592 min Scan# 1447
Delta R.T. -0.006 min
Lab File: BF135266.D
Acq: 14 Sep 2023 21:42

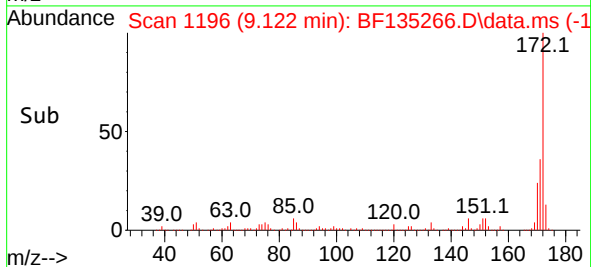
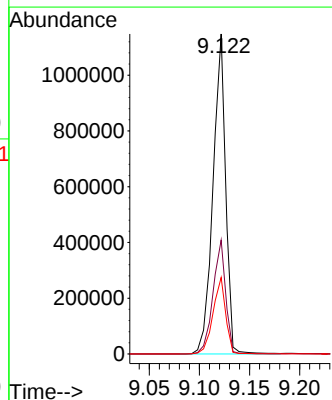
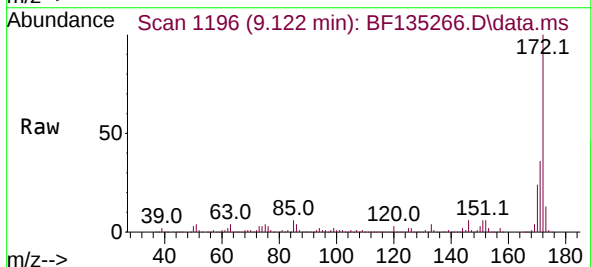
Instrument :
BNA_F
ClientSampleId :
72-11985

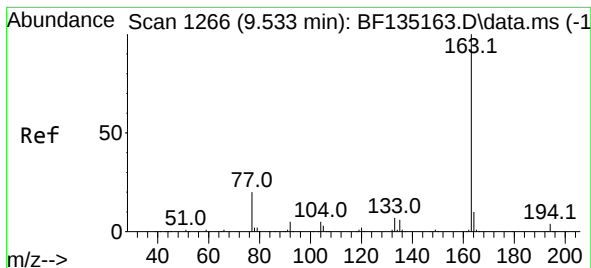
Tgt Ion:330 Resp: 174827
Ion Ratio Lower Upper
330 100
332 96.9 77.3 115.9
141 31.9 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 70.935 ng
RT: 9.122 min Scan# 1196
Delta R.T. -0.006 min
Lab File: BF135266.D
Acq: 14 Sep 2023 21:42

Tgt Ion:172 Resp: 1012847
Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 23.9 19.0 28.4





#50

Dimethylphthalate

Concen: 2.922 ng

RT: 9.798 min Scan# 1311

Delta R.T. 0.265 min

Lab File: BF135266.D

Acq: 14 Sep 2023 21:42

Instrument :

BNA_F

ClientSampleId :

72-11985

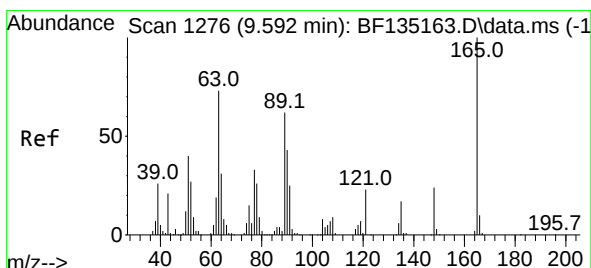
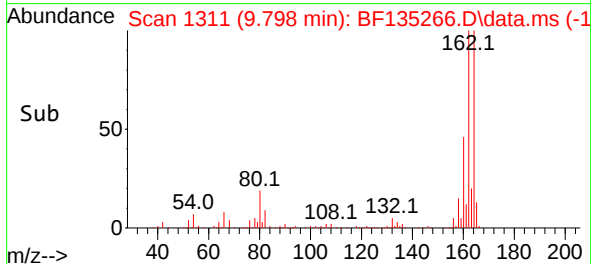
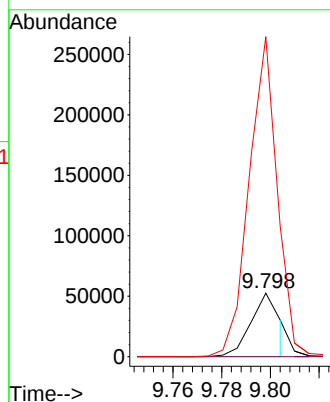
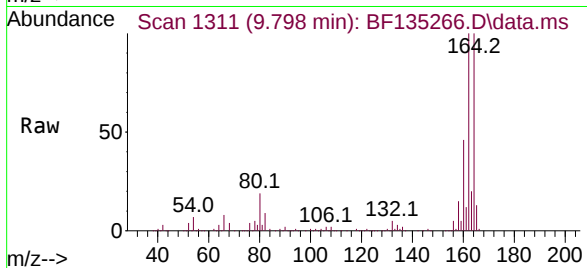
Tgt Ion:163 Resp: 42556

Ion Ratio Lower Upper

163 100

194 0.0 3.1 4.7#

164 503.9 8.1 12.1#



#51

2,6-Dinitrotoluene

Concen: 8.554 ng

RT: 9.798 min Scan# 1311

Delta R.T. 0.206 min

Lab File: BF135266.D

Acq: 14 Sep 2023 21:42

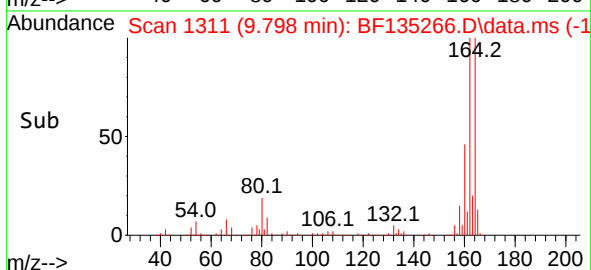
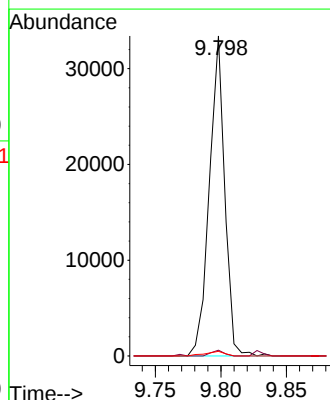
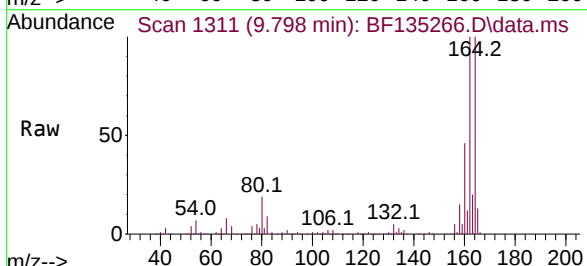
Tgt Ion:165 Resp: 27294

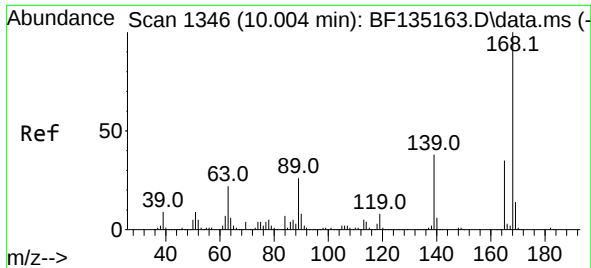
Ion Ratio Lower Upper

165 100

63 1.8 59.4 89.2#

89 1.5 49.8 74.8#

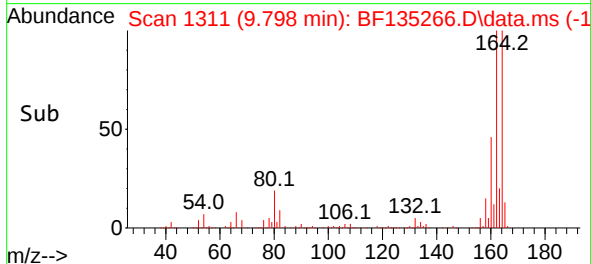
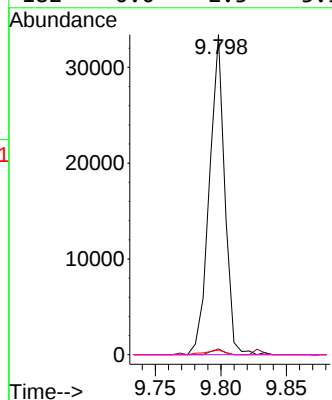
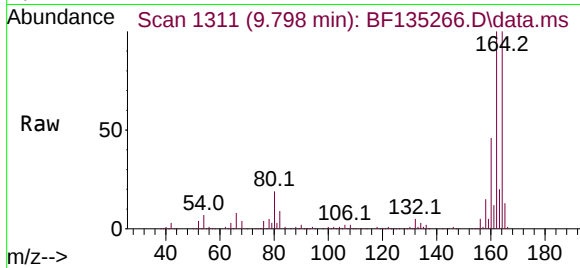




#57
2,4-Dinitrotoluene
Concen: 6.833 ng
RT: 9.798 min Scan# 1311
Delta R.T. -0.206 min
Lab File: BF135266.D
Acq: 14 Sep 2023 21:42

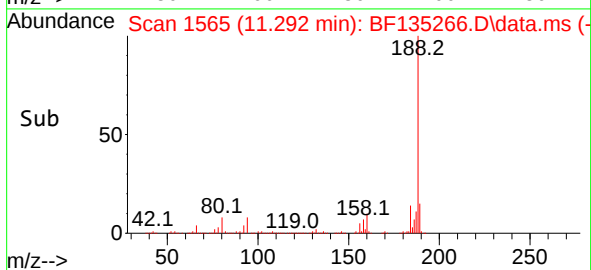
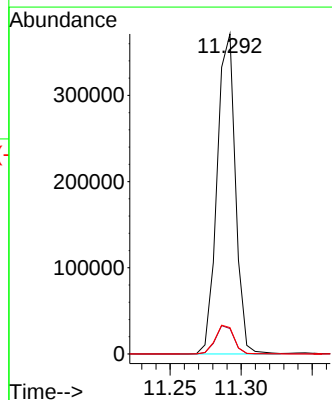
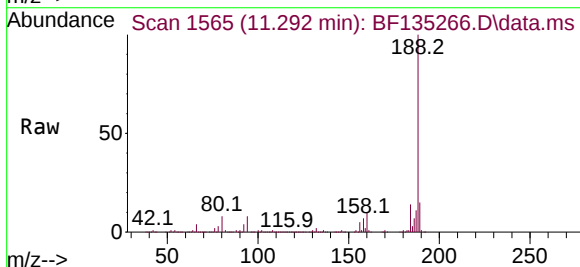
Instrument :
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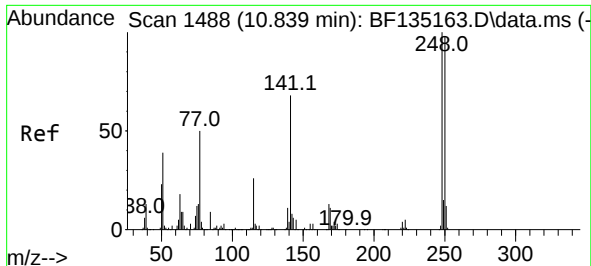
Tgt Ion:165 Resp: 27294
Ion Ratio Lower Upper
165 100
63 1.8 50.1 75.1#
89 1.5 59.3 88.9#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.292 min Scan# 1565
Delta R.T. 0.000 min
Lab File: BF135266.D
Acq: 14 Sep 2023 21:42

Tgt Ion:188 Resp: 334166
Ion Ratio Lower Upper
188 100
94 7.9 7.0 10.6
80 8.2 7.5 11.3

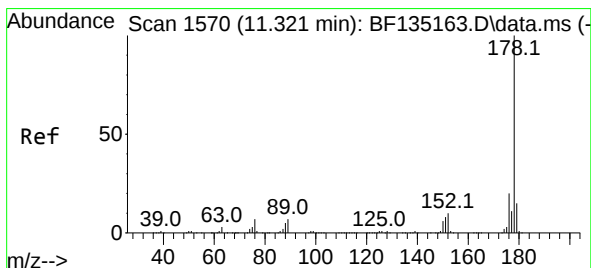
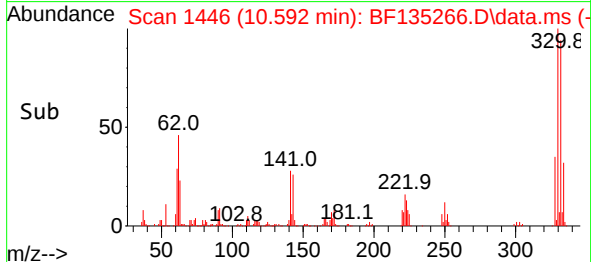
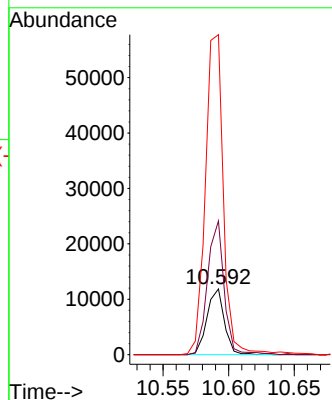
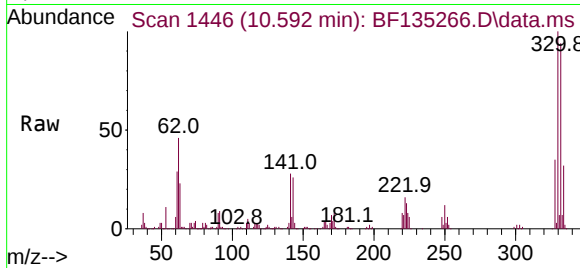




#67
4-Bromophenyl-phenylether
Concen: 3.316 ng
RT: 10.592 min Scan# 1488
Delta R.T. -0.247 min
Lab File: BF135266.D
Acq: 14 Sep 2023 21:42

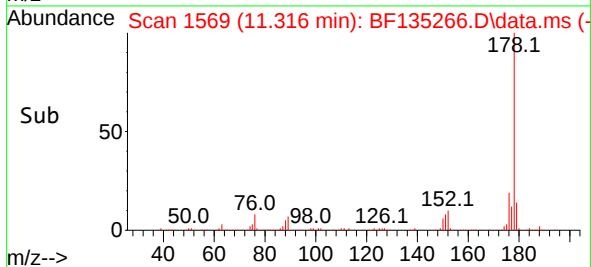
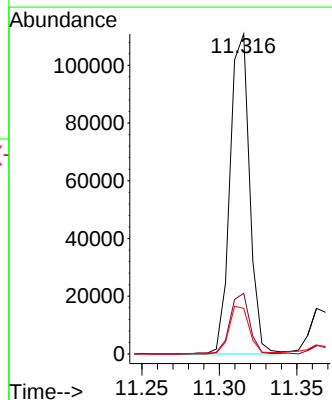
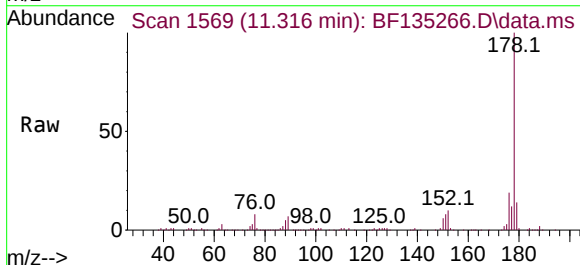
Instrument :
BNA_F
ClientSampleId :
72-11985

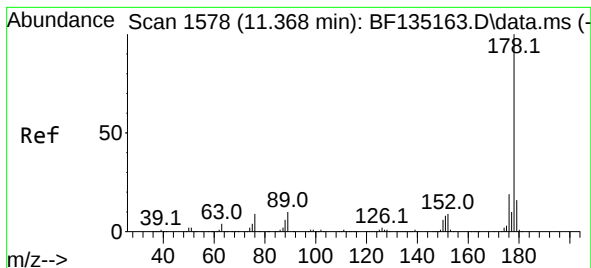
Tgt Ion:248 Resp: 11022
Ion Ratio Lower Upper
248 100
250 203.2 78.6 117.8#
141 486.1 54.2 81.2#



#71
Phenanthrene
Concen: 6.195 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF135266.D
Acq: 14 Sep 2023 21:42

Tgt Ion:178 Resp: 97906
Ion Ratio Lower Upper
178 100
176 19.0 15.6 23.4
179 14.3 12.0 18.0





#72

Anthracene

Concen: 6.027 ng

RT: 11.316 min Scan# 1569

Delta R.T. -0.053 min

Lab File: BF135266.D

Acq: 14 Sep 2023 21:42

Instrument :

BNA_F

ClientSampleId :

72-11985

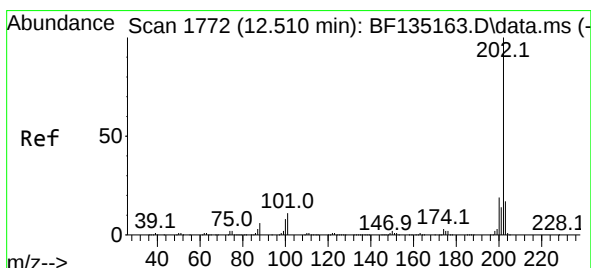
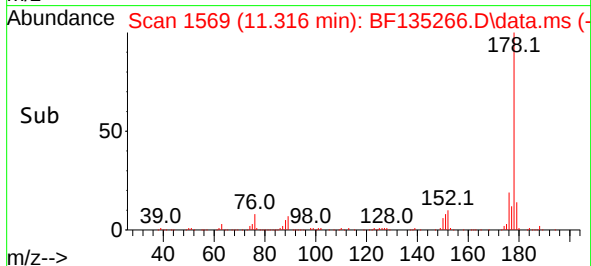
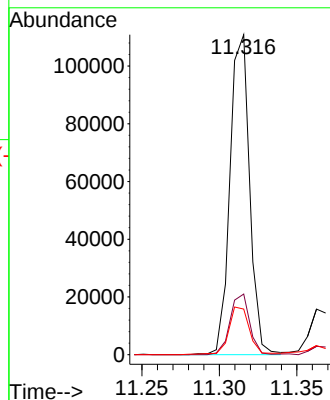
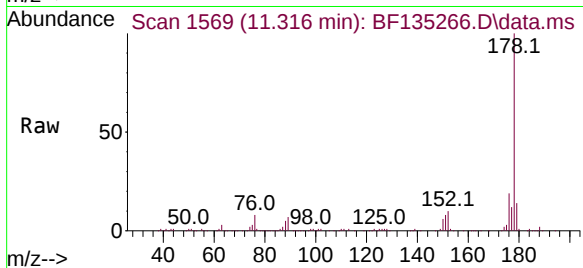
Tgt Ion:178 Resp: 97906

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

179 14.3 12.6 19.0



#75

Fluoranthene

Concen: 14.692 ng

RT: 12.510 min Scan# 1772

Delta R.T. 0.000 min

Lab File: BF135266.D

Acq: 14 Sep 2023 21:42

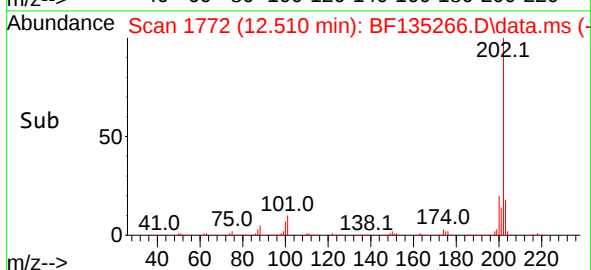
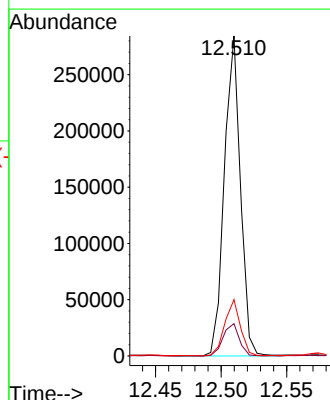
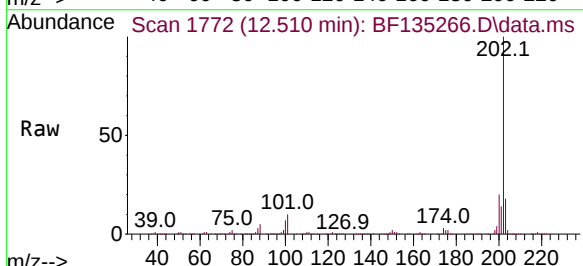
Tgt Ion:202 Resp: 241945

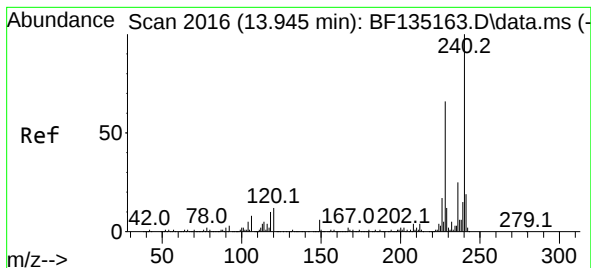
Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.3

203 17.6 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.945 min Scan# 2016

Delta R.T. 0.000 min

Lab File: BF135266.D

Acq: 14 Sep 2023 21:42

Instrument :

BNA_F

ClientSampleId :

72-11985

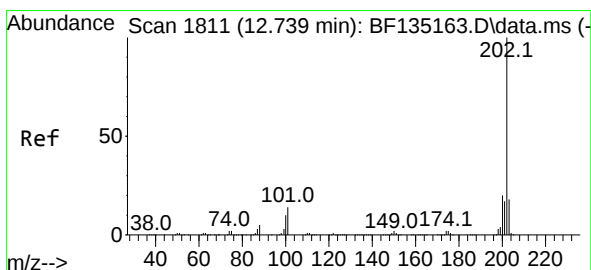
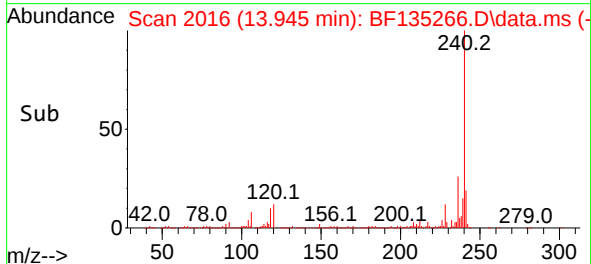
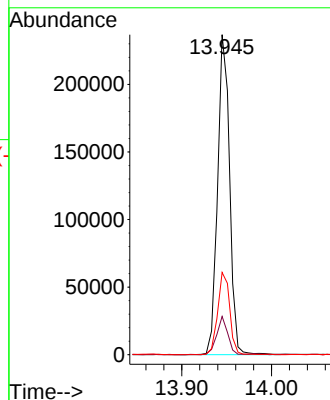
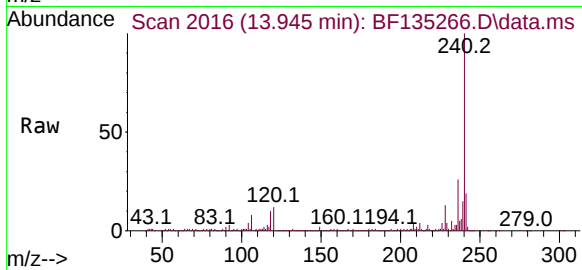
Tgt Ion:240 Resp: 219608

Ion Ratio Lower Upper

240 100

120 11.9 9.4 14.2

236 25.7 19.8 29.8



#78

Pyrene

Concen: 9.938 ng

RT: 12.739 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF135266.D

Acq: 14 Sep 2023 21:42

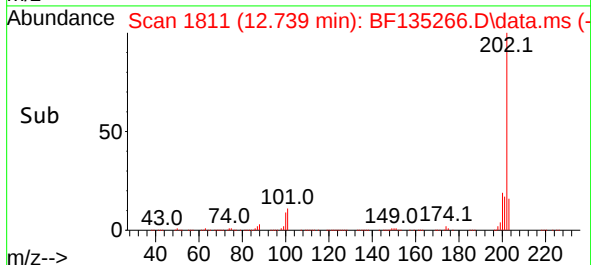
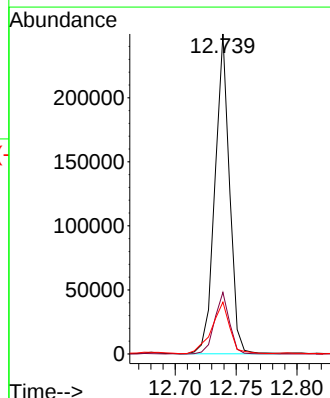
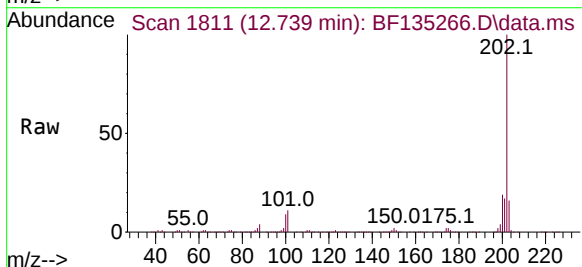
Tgt Ion:202 Resp: 207788

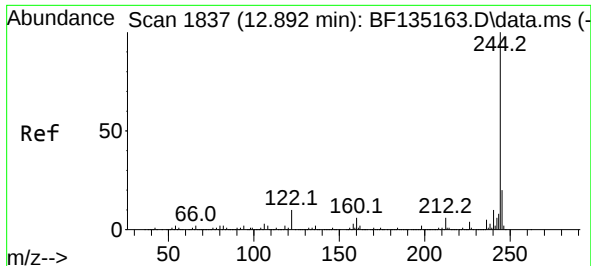
Ion Ratio Lower Upper

202 100

200 19.2 16.2 24.2

203 16.2 14.2 21.4

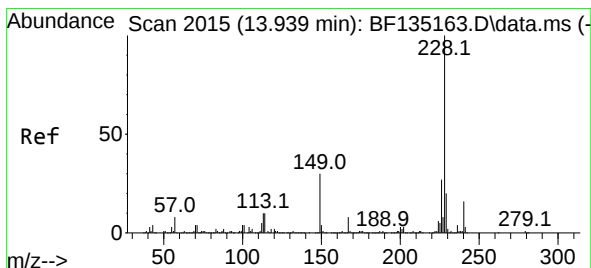
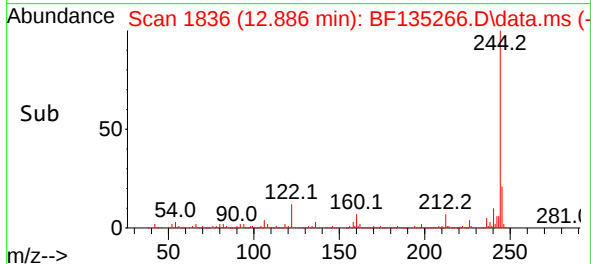
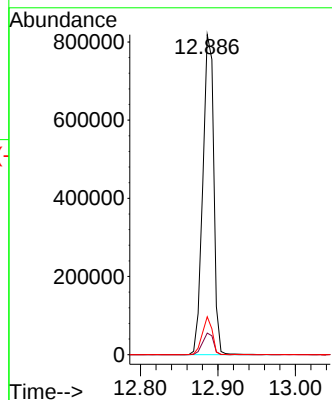
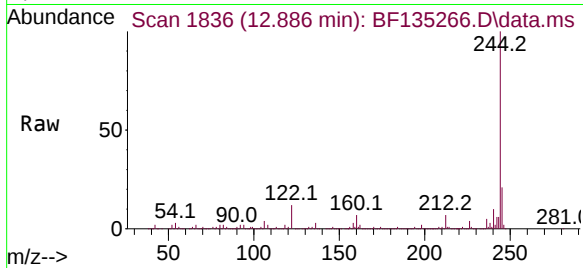




#79
 Terphenyl-d14
 Concen: 56.527 ng
 RT: 12.886 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF135266.D
 Acq: 14 Sep 2023 21:42

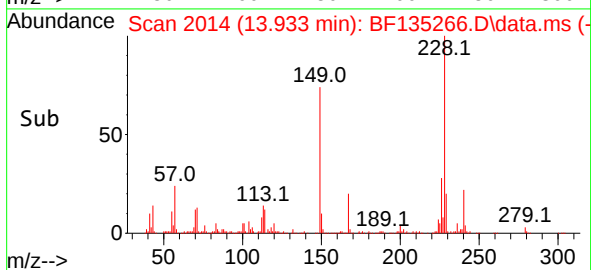
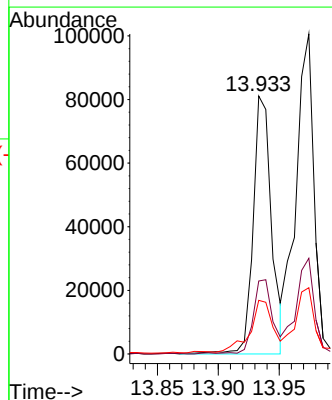
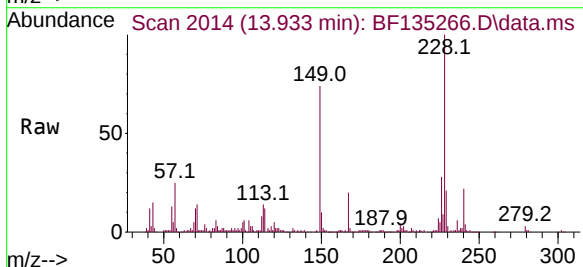
Instrument :
 BNA_F
 ClientSampleId :
 72-11985

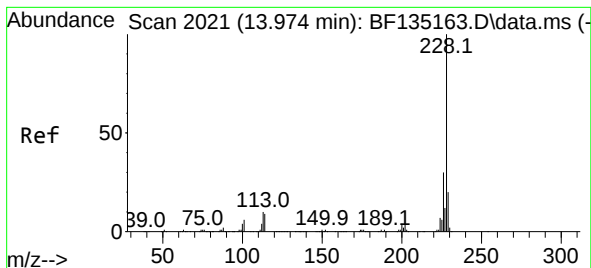
Tgt Ion:244 Resp: 800791
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.1 7.7
 122 11.8 7.9 11.9



#81
 Benzo(a)anthracene
 Concen: 6.020 ng
 RT: 13.933 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF135266.D
 Acq: 14 Sep 2023 21:42

Tgt Ion:228 Resp: 85374
 Ion Ratio Lower Upper
 228 100
 226 28.3 21.7 32.5
 229 20.8 15.8 23.8





#83

Chrysene

Concen: 7.434 ng

RT: 13.974 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF135266.D

Acq: 14 Sep 2023 21:42

Instrument :

BNA_F

ClientSampleId :

72-11985

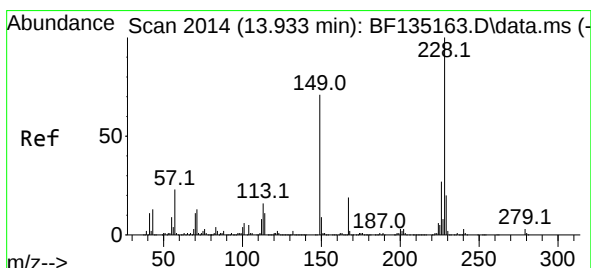
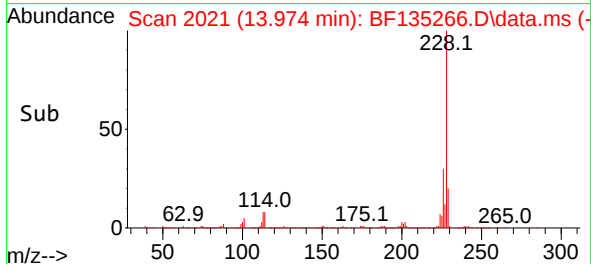
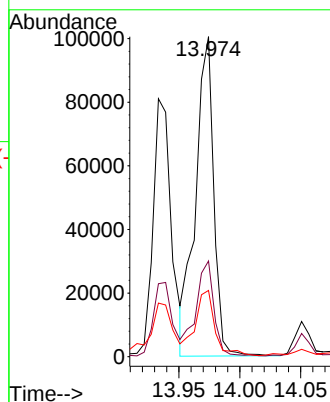
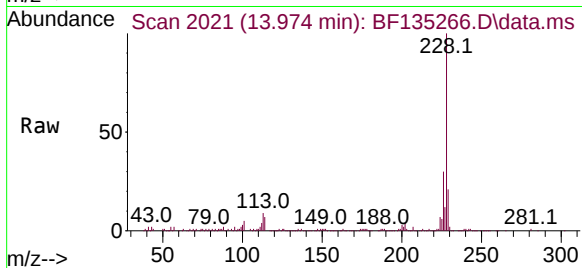
Tgt Ion:228 Resp: 104814

Ion Ratio Lower Upper

228 100

226 29.9 24.3 36.5

229 20.7 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.758 ng

RT: 13.933 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF135266.D

Acq: 14 Sep 2023 21:42

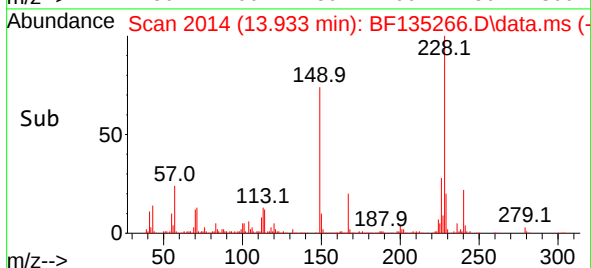
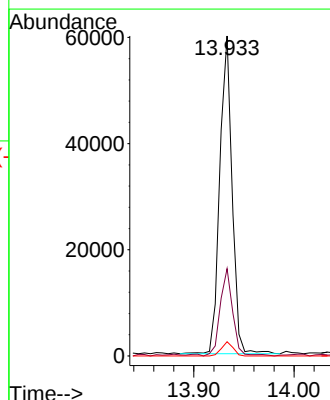
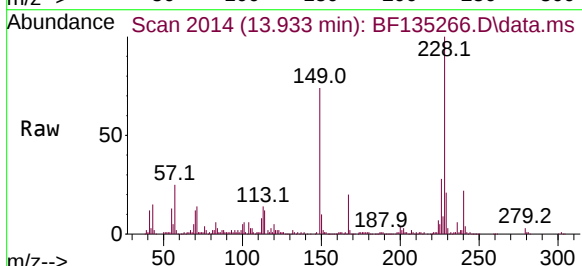
Tgt Ion:149 Resp: 51052

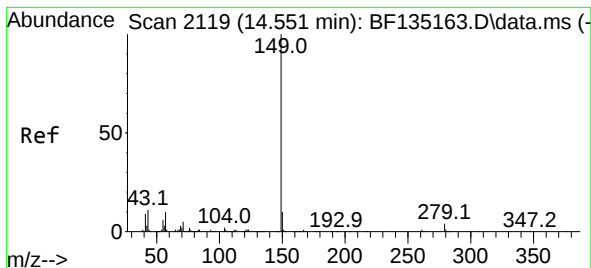
Ion Ratio Lower Upper

149 100

167 27.3 21.9 32.9

279 4.5 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 4.751 ng

RT: 14.545 min Scan# 2119

Delta R.T. -0.006 min

Lab File: BF135266.D

Acq: 14 Sep 2023 21:42

Instrument :

BNA_F

ClientSampleId :

72-11985

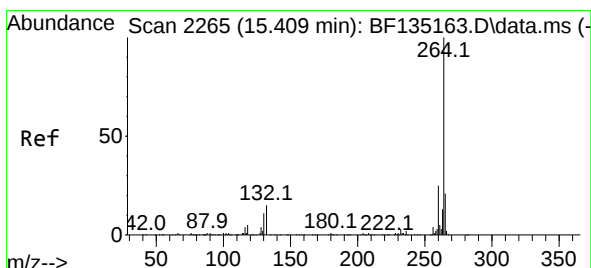
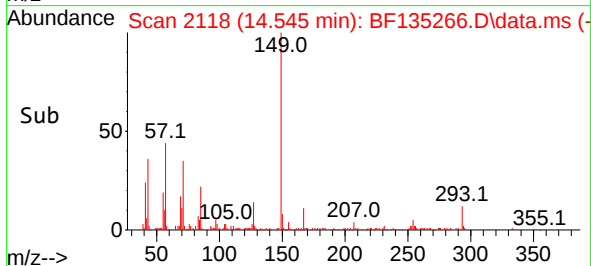
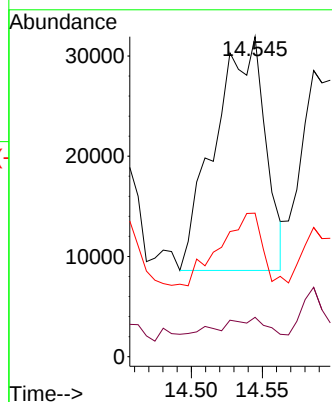
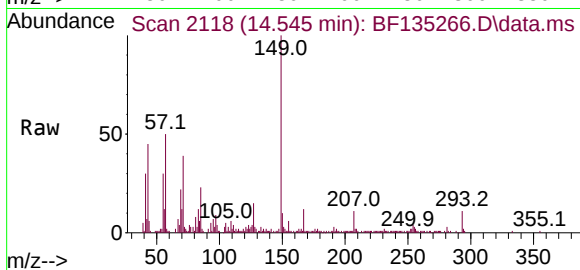
Tgt Ion:149 Resp: 57041

Ion Ratio Lower Upper

149 100

167 6.0 1.1 1.7#

43 26.4 9.8 14.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 2266

Delta R.T. 0.006 min

Lab File: BF135266.D

Acq: 14 Sep 2023 21:42

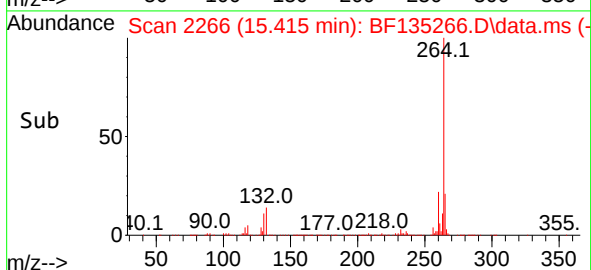
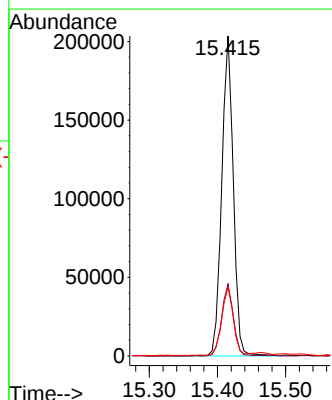
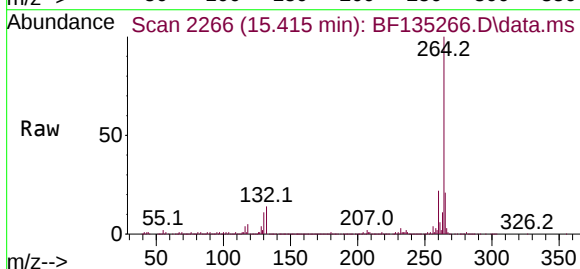
Tgt Ion:264 Resp: 239994

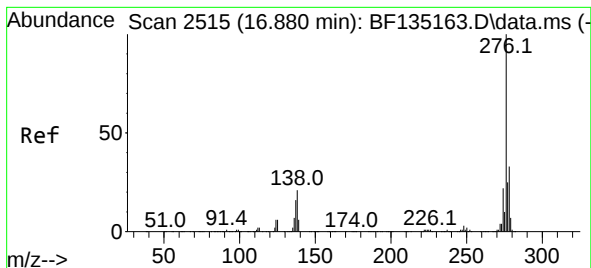
Ion Ratio Lower Upper

264 100

260 22.5 19.8 29.6

265 21.5 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.069 ng

RT: 16.886 min Scan# 2515

Delta R.T. 0.006 min

Lab File: BF135266.D

Acq: 14 Sep 2023 21:42

Instrument :

BNA_F

ClientSampleId :

72-11985

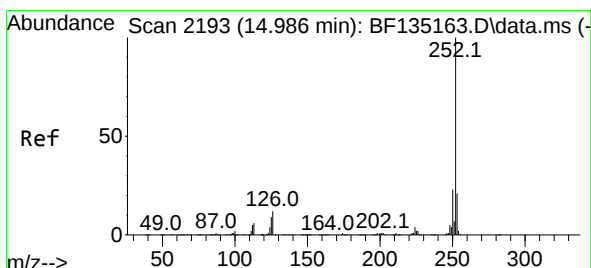
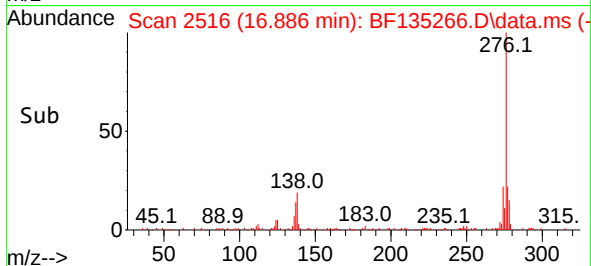
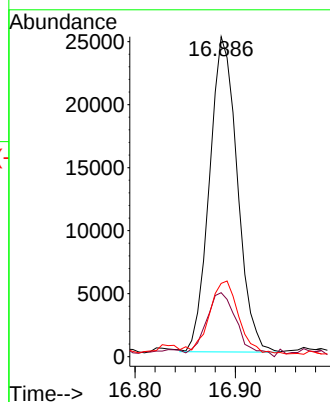
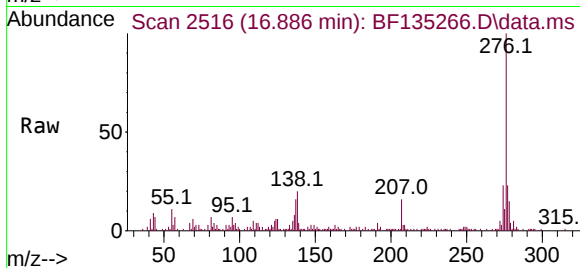
Tgt Ion:276 Resp: 48298

Ion Ratio Lower Upper

276 100

138 22.6 19.2 28.8

277 24.8 19.7 29.5



#88

Benzo(b)fluoranthene

Concen: 14.587 ng

RT: 14.986 min Scan# 2193

Delta R.T. 0.000 min

Lab File: BF135266.D

Acq: 14 Sep 2023 21:42

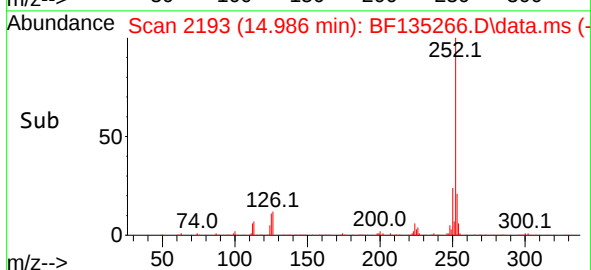
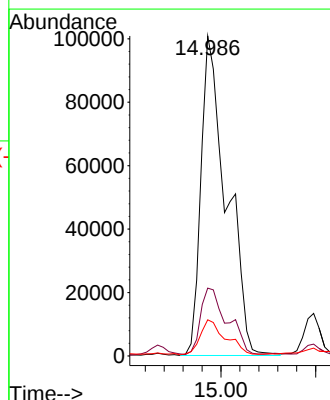
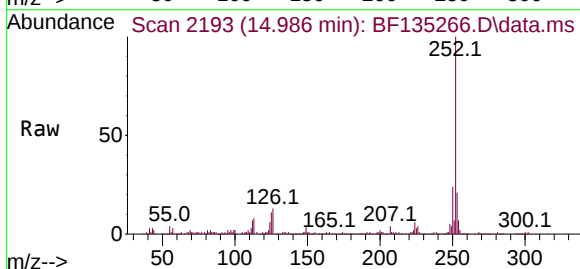
Tgt Ion:252 Resp: 189513

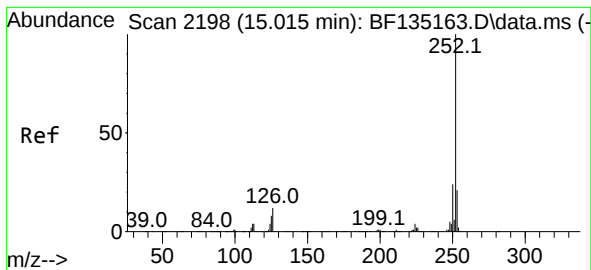
Ion Ratio Lower Upper

252 100

253 21.2 17.2 25.8

125 11.3 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 14.767 ng

RT: 14.986 min Scan# 2193

Delta R.T. -0.029 min

Lab File: BF135266.D

Acq: 14 Sep 2023 21:42

Instrument :

BNA_F

ClientSampleId :

72-11985

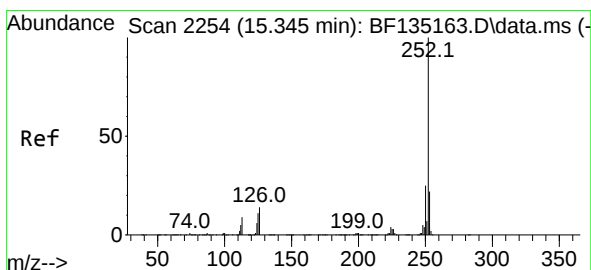
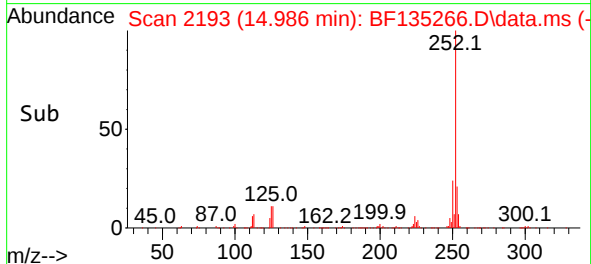
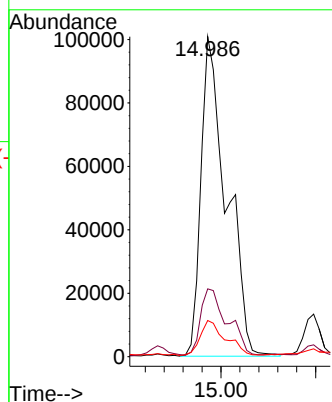
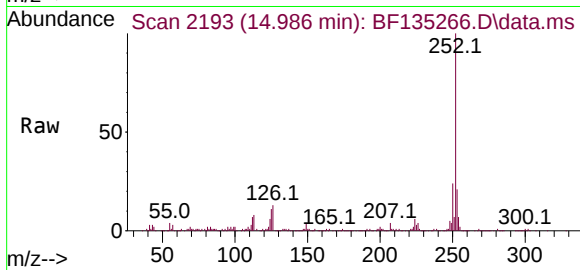
Tgt Ion:252 Resp: 189513

Ion Ratio Lower Upper

252 100

253 21.2 17.4 26.0

125 11.3 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 6.597 ng

RT: 15.351 min Scan# 2255

Delta R.T. 0.006 min

Lab File: BF135266.D

Acq: 14 Sep 2023 21:42

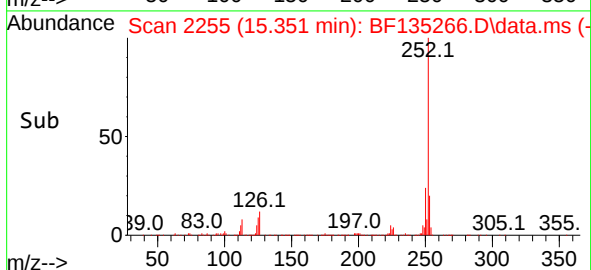
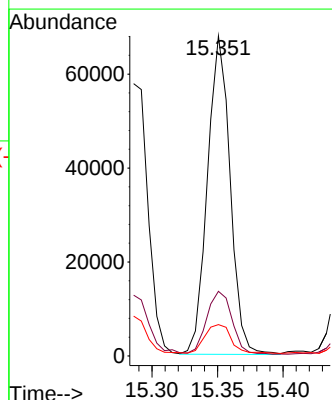
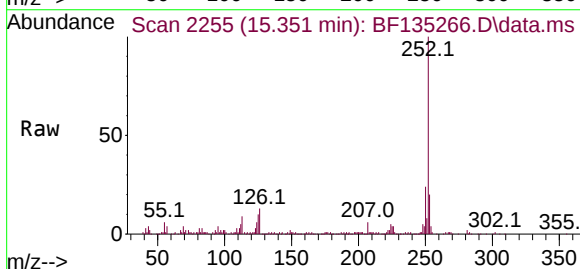
Tgt Ion:252 Resp: 81733

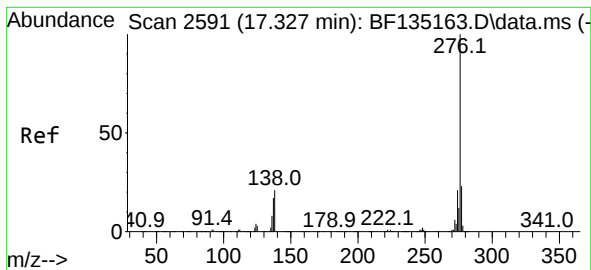
Ion Ratio Lower Upper

252 100

253 20.2 17.5 26.3

125 9.8 9.2 13.8





#92

Benzo(g,h,i)perylene

Concen: 3.546 ng

RT: 17.333 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135266.D

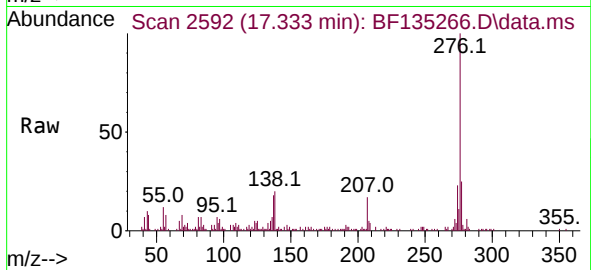
Acq: 14 Sep 2023 21:42

Instrument :

BNA_F

ClientSampleId :

72-11985



Tgt Ion:276 Resp: 47677

Ion Ratio Lower Upper

276 100

277 25.0 18.8 28.2

138 19.7 16.9 25.3

