

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091223\
 Data File : BF135206.D
 Acq On : 13 Sep 2023 05:00
 Operator : CG\JU
 Sample : 04371-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 289

Quant Time: Sep 13 07:42:38 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)

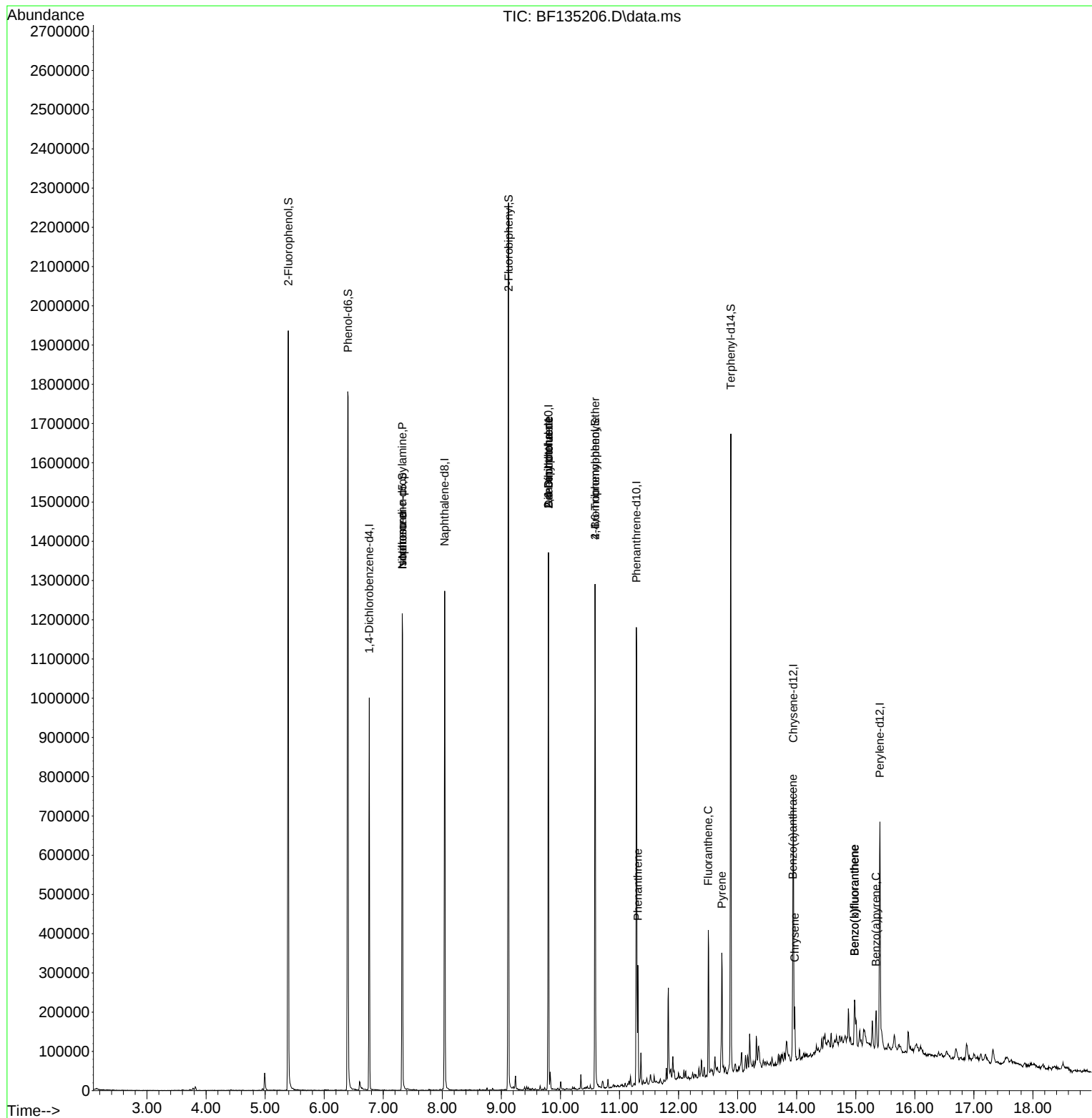
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	134939	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	513557	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	255284	20.000	ng	0.00
64) Phenanthrene-d10	11.286	188	442011	20.000	ng	0.00
76) Chrysene-d12	13.945	240	230375	20.000	ng	0.00
86) Perylene-d12	15.409	264	277361	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.392	112	488465	58.876	ng	0.00
7) Phenol-d6	6.404	99	626344	59.372	ng	0.00
23) Nitrobenzene-d5	7.322	82	384264	40.651	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	147718	58.228	ng	-0.01
45) 2-Fluorobiphenyl	9.122	172	713024	42.140	ng	0.00
79) Terphenyl-d14	12.886	244	557565	37.519	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.322	70	52174	7.985	ng	# 76
25) Isophorone	7.322	82	384260	22.138	ng	# 65
50) Dimethylphthalate	9.798	163	51763	2.999	ng	# 1
51) 2,6-Dinitrotoluene	9.798	165	32871	8.694	ng	# 17
57) 2,4-Dinitrotoluene	9.798	165	32871	6.944	ng	# 18
67) 4-Bromophenyl-phenylether	10.586	248	9182	2.089	ng	# 1
71) Phenanthrene	11.310	178	101374	4.849	ng	99
75) Fluoranthene	12.504	202	152387	6.996	ng	99
78) Pyrene	12.733	202	129355	5.898	ng	98
81) Benzo(a)anthracene	13.933	228	52287	3.515	ng	97
83) Chrysene	13.968	228	54057	3.655	ng	98
88) Benzo(b)fluoranthene	14.980	252	87956	5.858	ng	# 94
89) Benzo(k)fluoranthene	14.980	252	87956	5.930	ng	# 94
90) Benzo(a)pyrene	15.345	252	44256	3.091	ng	99

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

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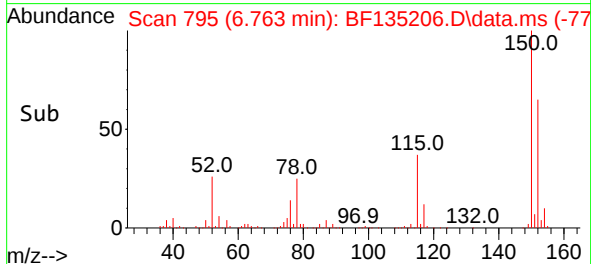
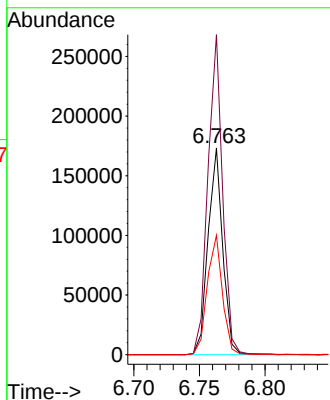
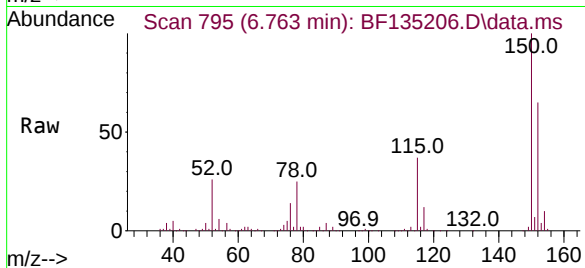




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF135206.D
Acq: 13 Sep 2023 05:00

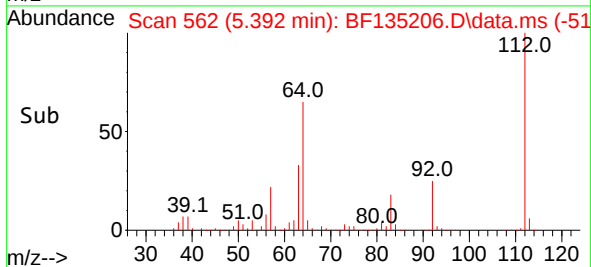
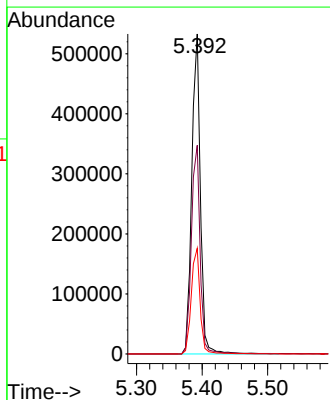
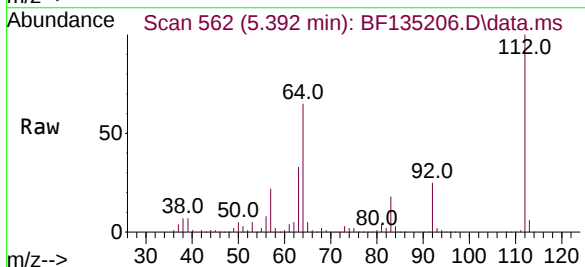
Instrument :
BNA_F
ClientSampleId :
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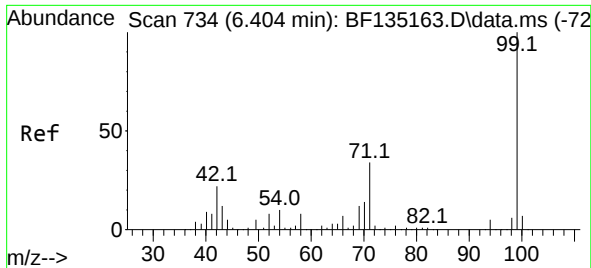
Tgt Ion:152 Resp: 134939
Ion Ratio Lower Upper
152 100
150 154.7 127.8 191.6
115 57.7 49.8 74.8



#5
2-Fluorophenol
Concen: 58.876 ng
RT: 5.392 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF135206.D
Acq: 13 Sep 2023 05:00

Tgt Ion:112 Resp: 488465
Ion Ratio Lower Upper
112 100
64 65.2 55.9 83.9
63 33.0 29.0 43.6

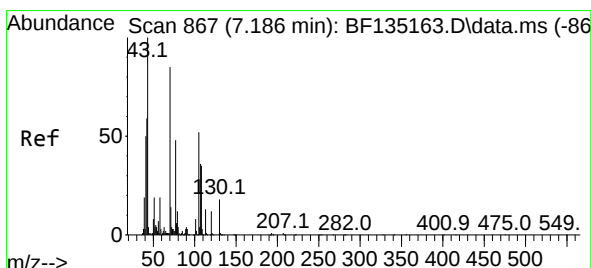
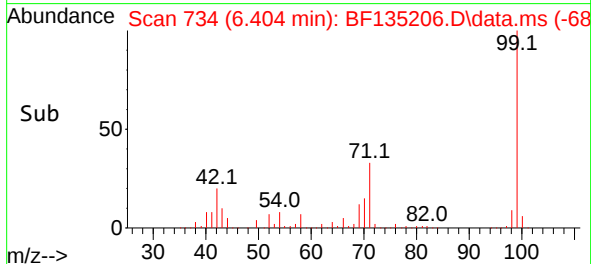
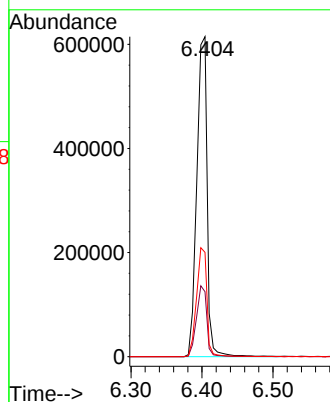
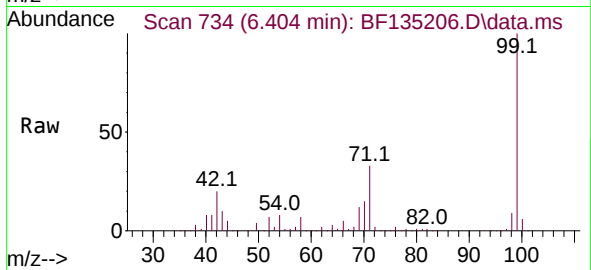




#7
Phenol-d6
Concen: 59.372 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135206.D
Acq: 13 Sep 2023 05:00

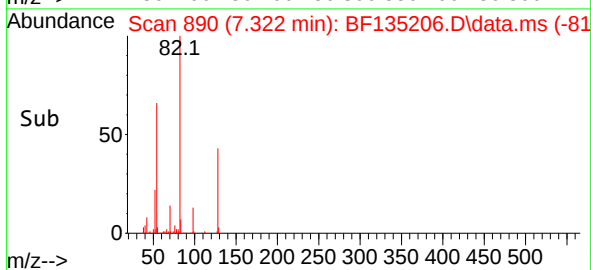
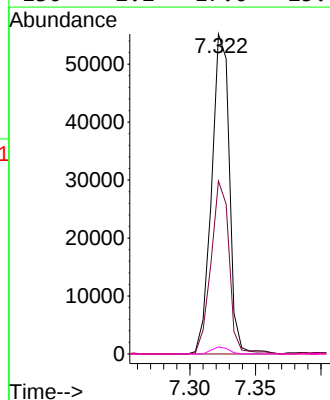
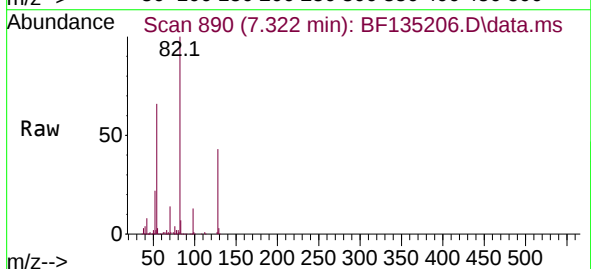
Instrument :
BNA_F
ClientSampleId :
289

Tgt Ion: 99 Resp: 626344
Ion Ratio Lower Upper
99 100
42 20.3 17.9 26.9
71 32.6 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 7.985 ng
RT: 7.322 min Scan# 890
Delta R.T. 0.135 min
Lab File: BF135206.D
Acq: 13 Sep 2023 05:00

Tgt Ion: 70 Resp: 52174
Ion Ratio Lower Upper
70 100
42 54.0 55.4 83.0#
101 0.0 7.7 11.5#
130 2.2 17.0 25.6#

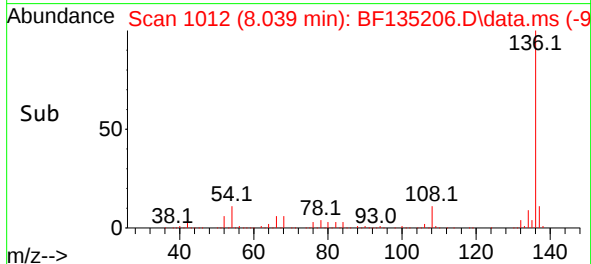
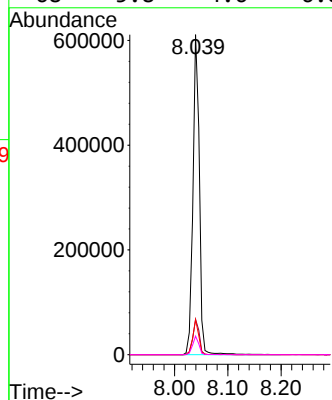
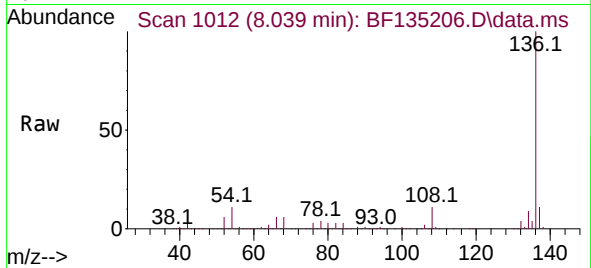




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.039 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135206.D
Acq: 13 Sep 2023 05:00

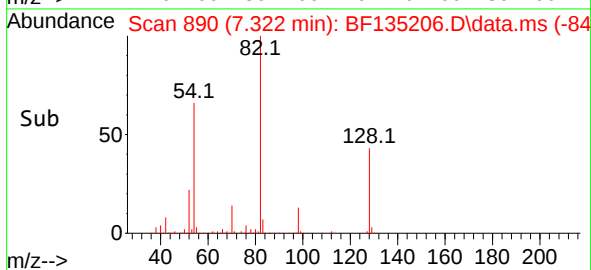
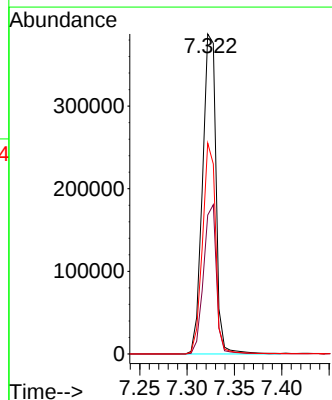
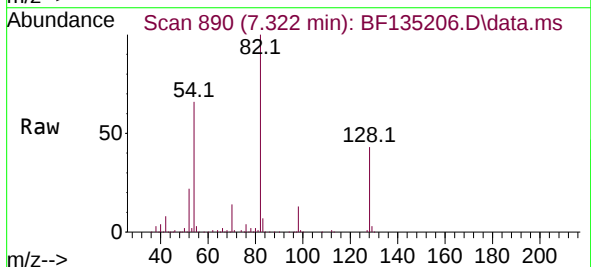
Instrument :
BNA_F
ClientSampleId :
289

Tgt Ion:136 Resp: 513557
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 10.9 7.7 11.5
68 5.8 4.6 6.8



#23
Nitrobenzene-d5
Concen: 40.651 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF135206.D
Acq: 13 Sep 2023 05:00

Tgt Ion: 82 Resp: 384264
Ion Ratio Lower Upper
82 100
128 43.4 35.8 53.6
54 65.9 50.6 76.0

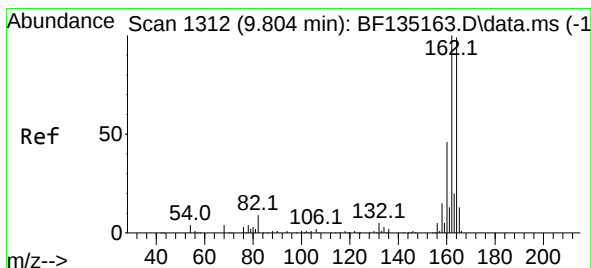
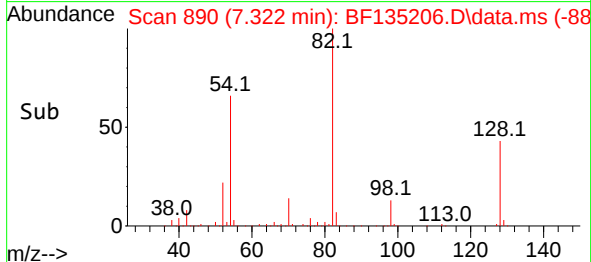
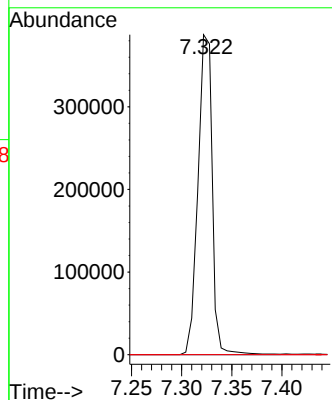
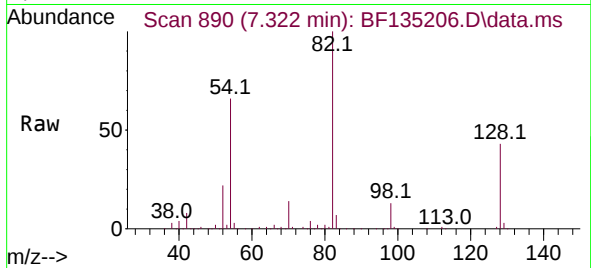




#25
Isophorone
Concen: 22.138 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF135206.D
Acq: 13 Sep 2023 05:00

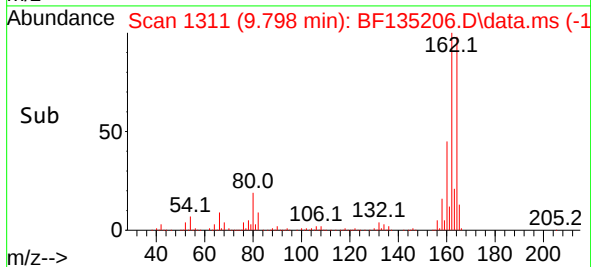
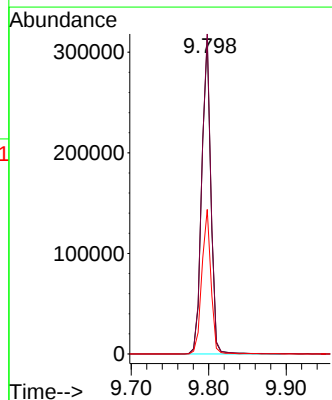
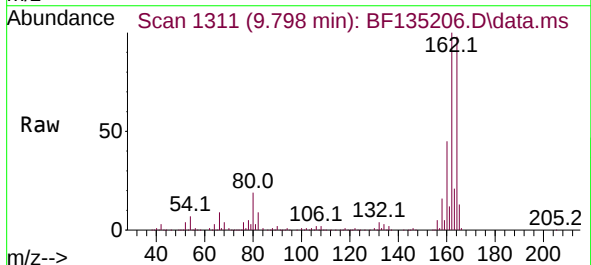
Instrument :
BNA_F
ClientSampleId :
289

Tgt Ion: 82 Resp: 384260
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: BF135206.D
Acq: 13 Sep 2023 05:00

Tgt Ion: 164 Resp: 255284
Ion Ratio Lower Upper
164 100
162 101.7 81.0 121.4
160 45.9 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 58.228 ng

RT: 10.586 min Scan# 1445

Delta R.T. -0.012 min

Lab File: BF135206.D

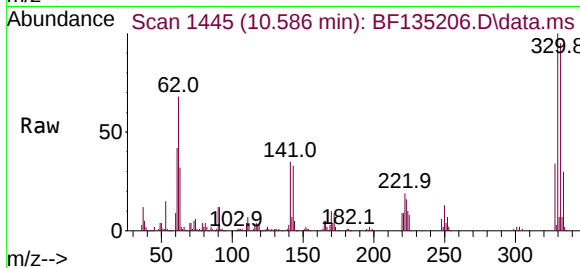
Acq: 13 Sep 2023 05:00

Instrument :

BNA_F

ClientSampleId :

289



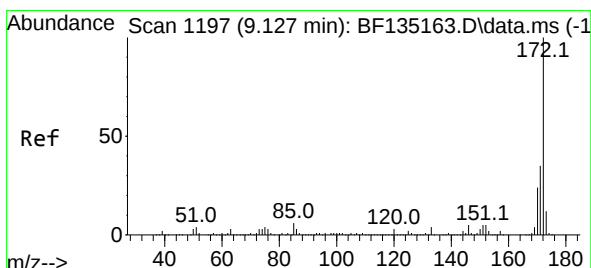
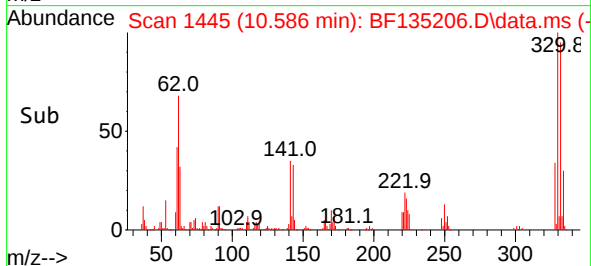
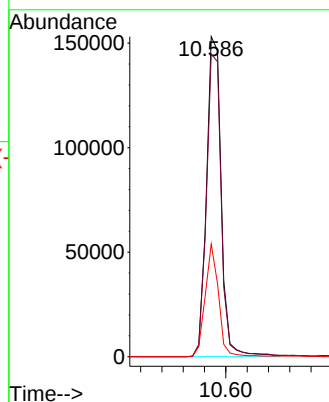
Tgt Ion:330 Resp: 147718

Ion Ratio Lower Upper

330 100

332 95.9 77.3 115.9

141 32.1 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 42.140 ng

RT: 9.122 min Scan# 1196

Delta R.T. -0.006 min

Lab File: BF135206.D

Acq: 13 Sep 2023 05:00

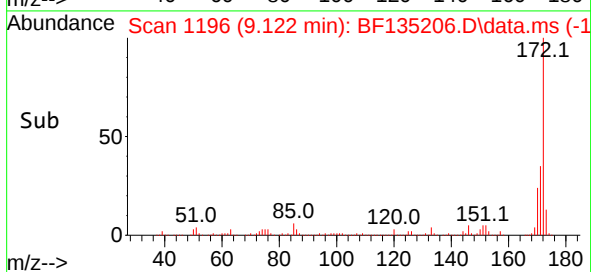
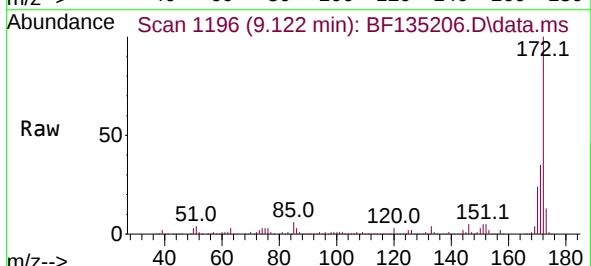
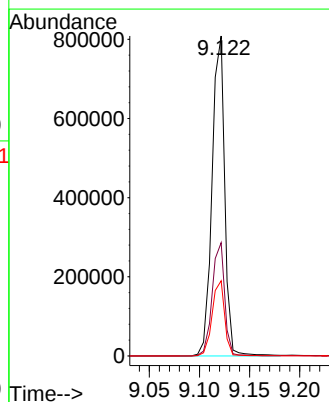
Tgt Ion:172 Resp: 713024

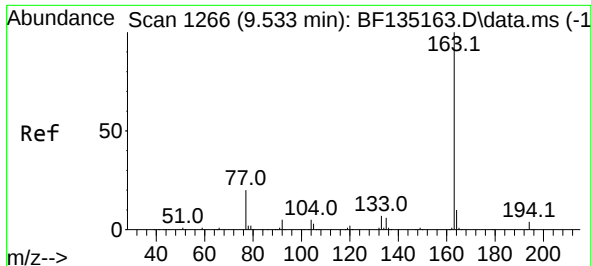
Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 23.5 19.0 28.4

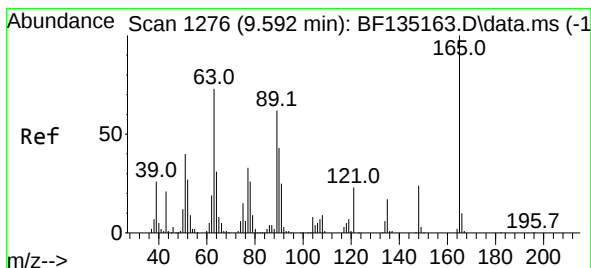
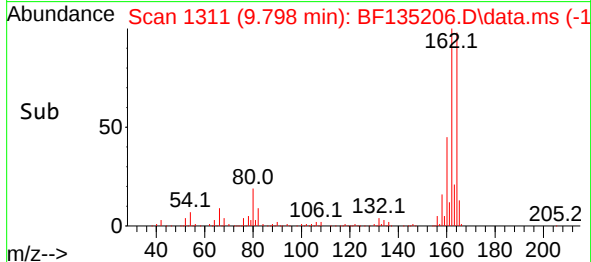
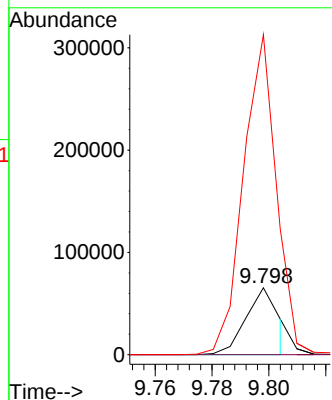
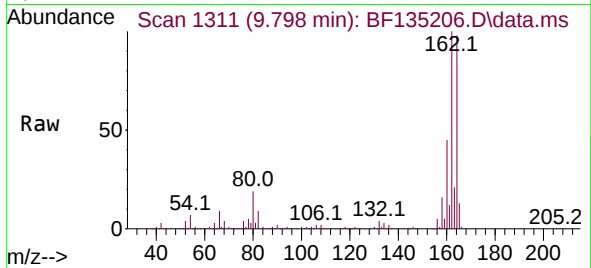




#50
Dimethylphthalate
Concen: 2.999 ng
RT: 9.798 min Scan# 1311
Delta R.T. 0.265 min
Lab File: BF135206.D
Acq: 13 Sep 2023 05:00

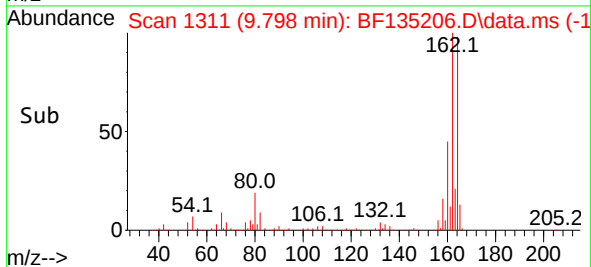
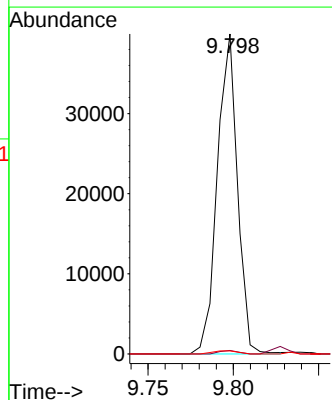
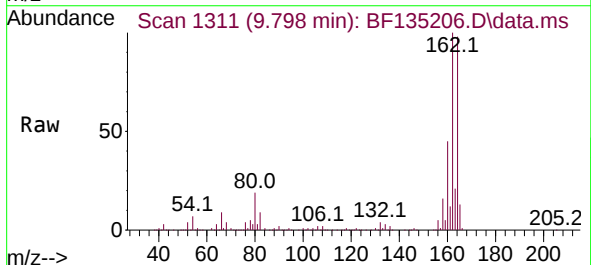
Instrument :
BNA_F
ClientSampleId :
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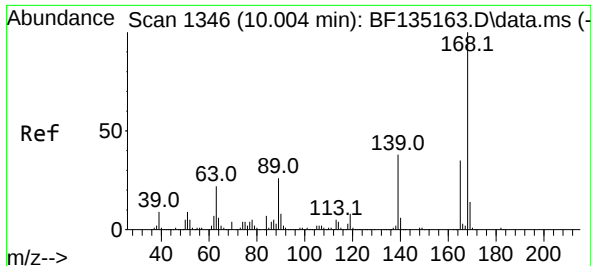
Tgt Ion:163 Resp: 51763
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 478.8 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.694 ng
RT: 9.798 min Scan# 1311
Delta R.T. 0.206 min
Lab File: BF135206.D
Acq: 13 Sep 2023 05:00

Tgt Ion:165 Resp: 32871
Ion Ratio Lower Upper
165 100
63 1.1 59.4 89.2#
89 1.0 49.8 74.8#

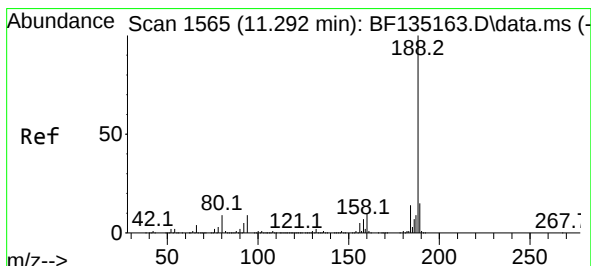
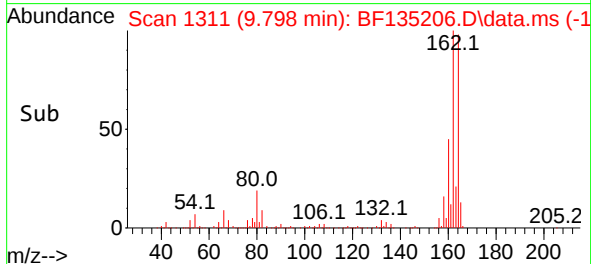
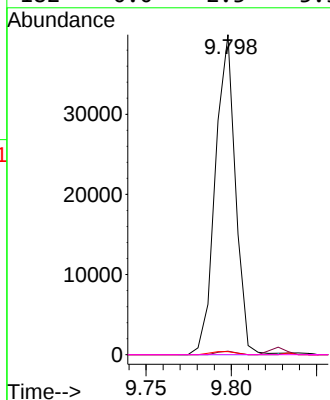
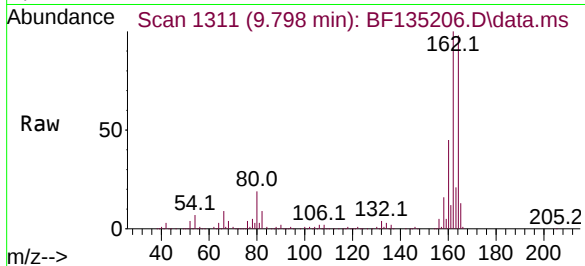




#57
2,4-Dinitrotoluene
Concen: 6.944 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF135206.D
Acq: 13 Sep 2023 05:00

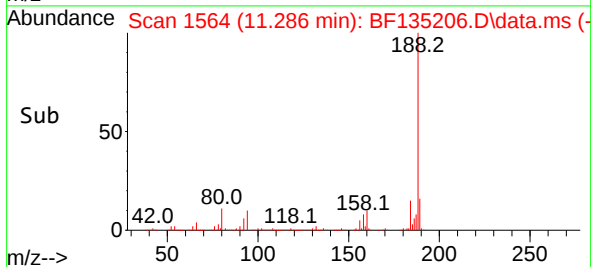
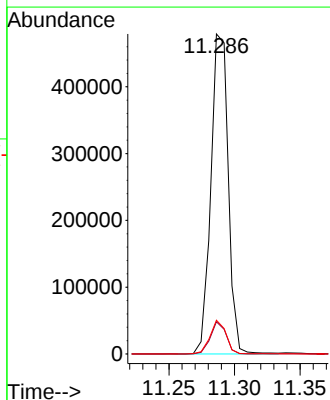
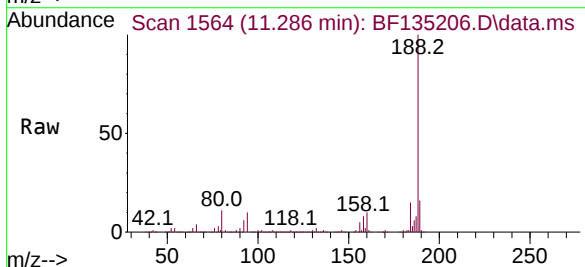
Instrument :
BNA_F
ClientSampleId :
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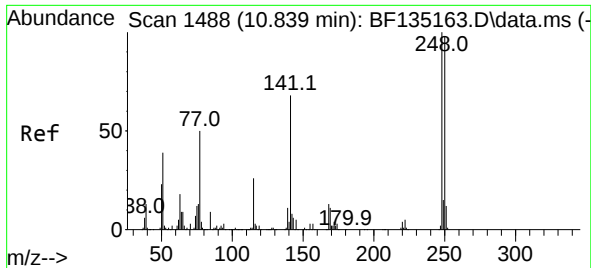
Tgt Ion:165 Resp: 32871
Ion Ratio Lower Upper
165 100
63 1.1 50.1 75.1#
89 1.0 59.3 88.9#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF135206.D
Acq: 13 Sep 2023 05:00

Tgt Ion:188 Resp: 442011
Ion Ratio Lower Upper
188 100
94 10.1 7.0 10.6
80 10.6 7.5 11.3

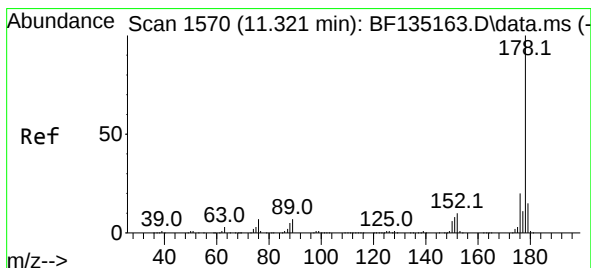
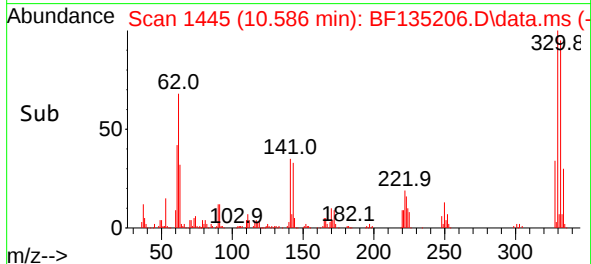
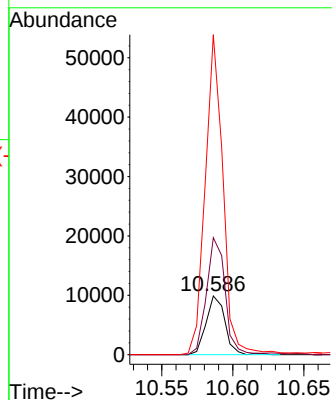
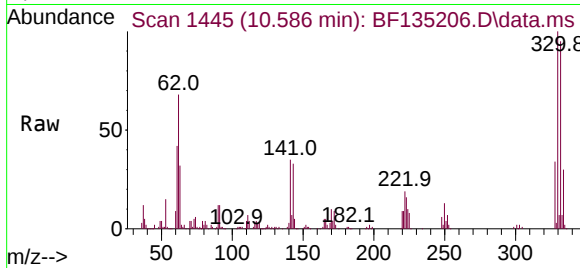




#67
4-Bromophenyl-phenylether
Concen: 2.089 ng
RT: 10.586 min Scan# 1488
Delta R.T. -0.253 min
Lab File: BF135206.D
Acq: 13 Sep 2023 05:00

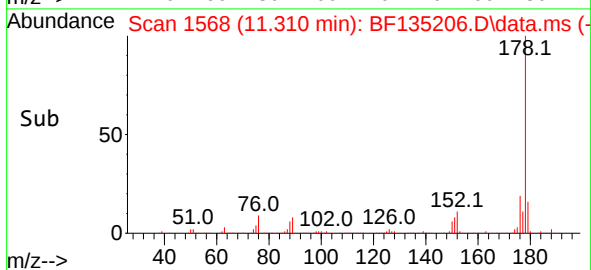
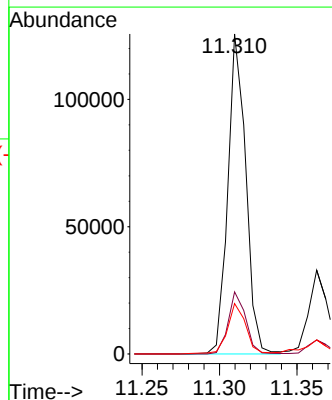
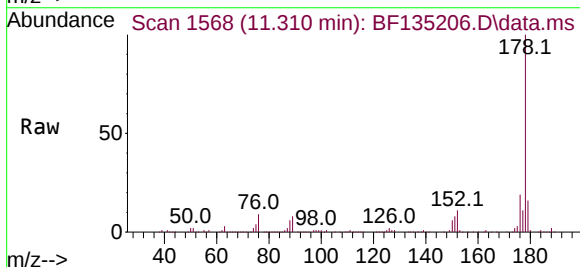
Instrument :
BNA_F
ClientSampleId :
289

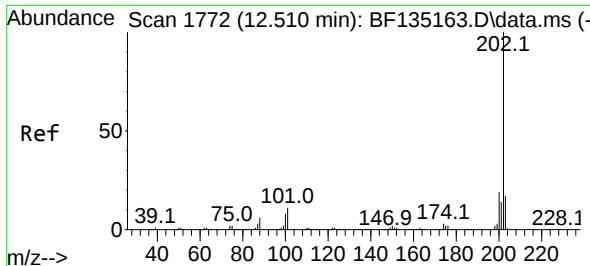
Tgt Ion:248 Resp: 9182
Ion Ratio Lower Upper
248 100
250 199.3 78.6 117.8#
141 545.3 54.2 81.2#



#71
Phenanthrene
Concen: 4.849 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF135206.D
Acq: 13 Sep 2023 05:00

Tgt Ion:178 Resp: 101374
Ion Ratio Lower Upper
178 100
176 19.4 15.6 23.4
179 15.8 12.0 18.0

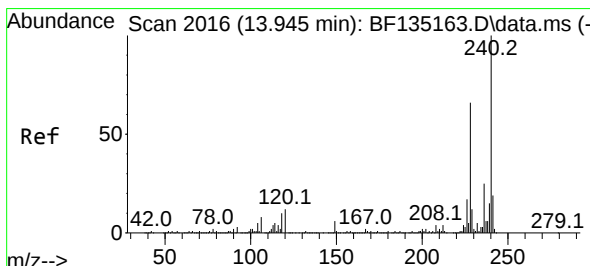
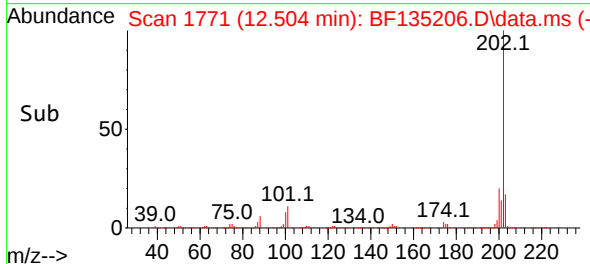
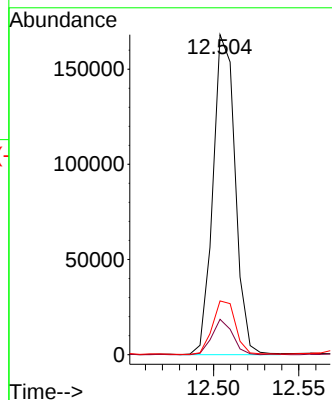
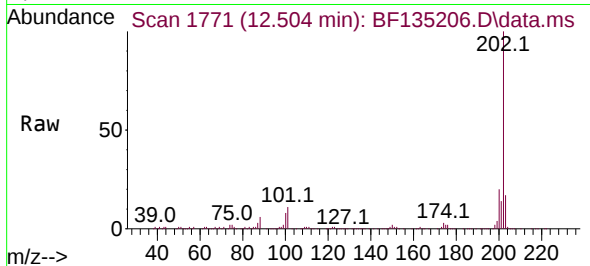




#75
Fluoranthene
Concen: 6.996 ng
RT: 12.504 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135206.D
Acq: 13 Sep 2023 05:00

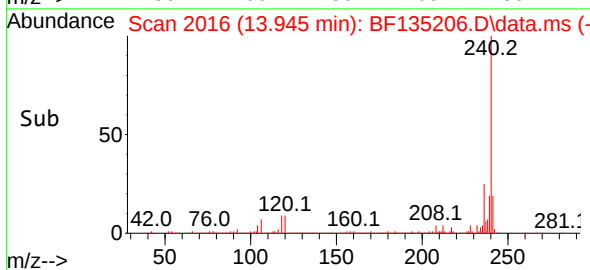
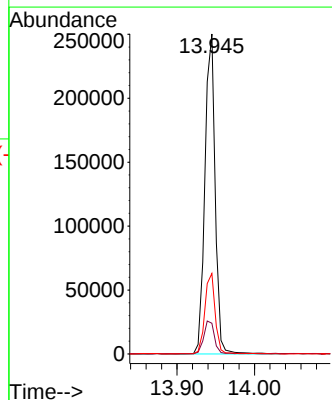
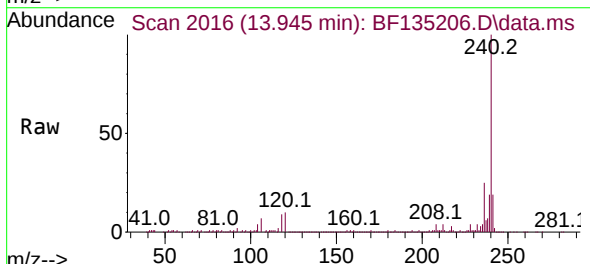
Instrument :
BNA_F
ClientSampleId :
289

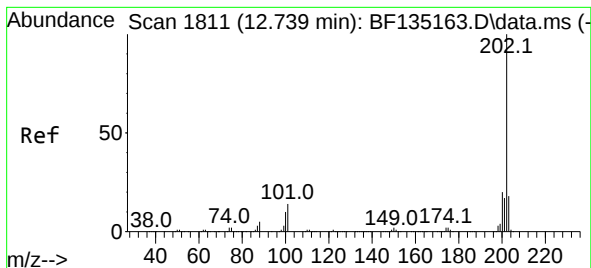
Tgt Ion:202 Resp: 152387
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.3
203 16.8 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF135206.D
Acq: 13 Sep 2023 05:00

Tgt Ion:240 Resp: 230375
Ion Ratio Lower Upper
240 100
120 9.6 9.4 14.2
236 25.2 19.8 29.8





#78

Pyrene

Concen: 5.898 ng

RT: 12.733 min Scan# 1811

Delta R.T. -0.006 min

Lab File: BF135206.D

Acq: 13 Sep 2023 05:00

Instrument :

BNA_F

ClientSampleId :

289

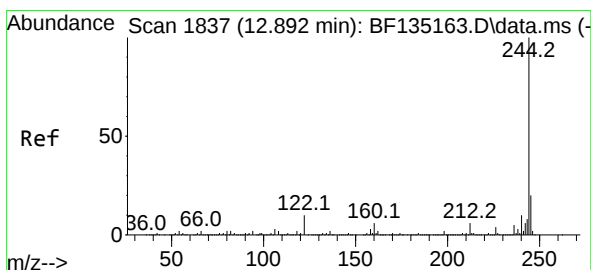
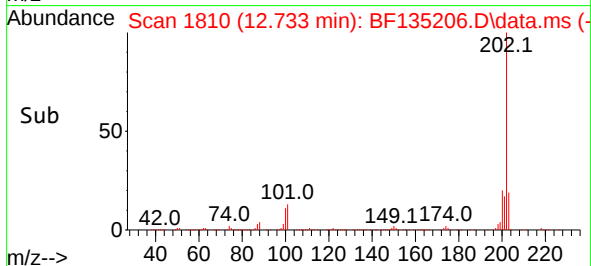
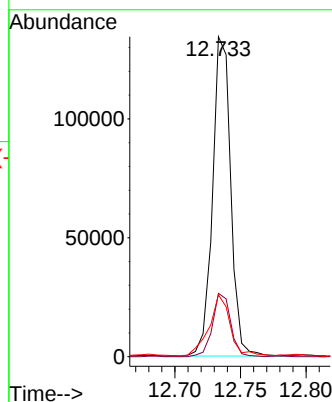
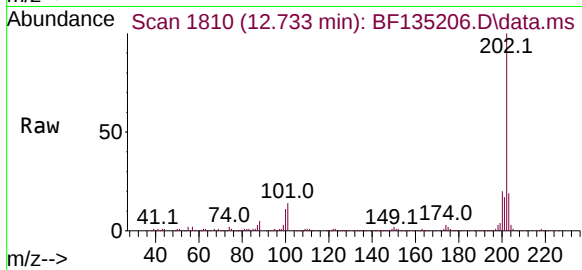
Tgt Ion:202 Resp: 129355

Ion Ratio Lower Upper

202 100

200 19.8 16.2 24.2

203 19.3 14.2 21.4



#79

Terphenyl-d14

Concen: 37.519 ng

RT: 12.886 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF135206.D

Acq: 13 Sep 2023 05:00

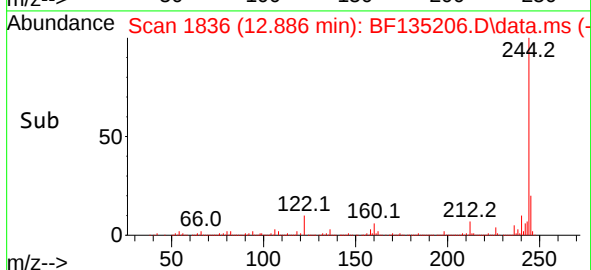
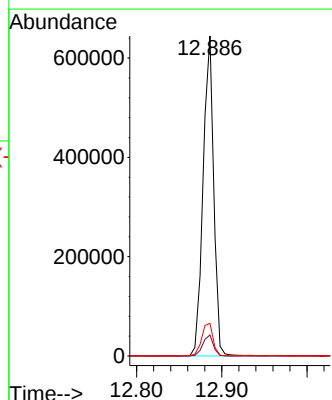
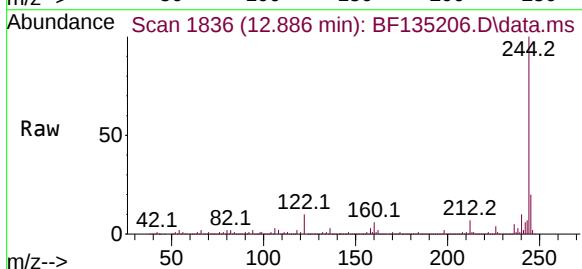
Tgt Ion:244 Resp: 557565

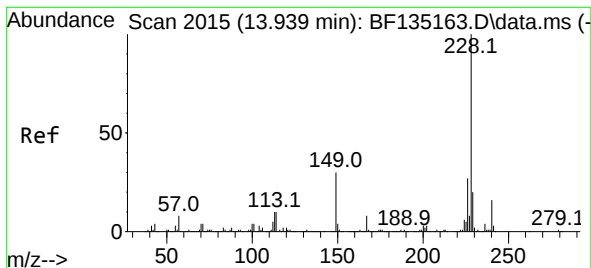
Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

122 10.2 7.9 11.9





#81

Benzo(a)anthracene

Concen: 3.515 ng

RT: 13.933 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF135206.D

Acq: 13 Sep 2023 05:00

Instrument :

BNA_F

ClientSampleId :

289

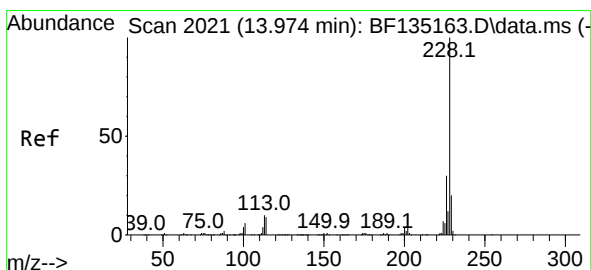
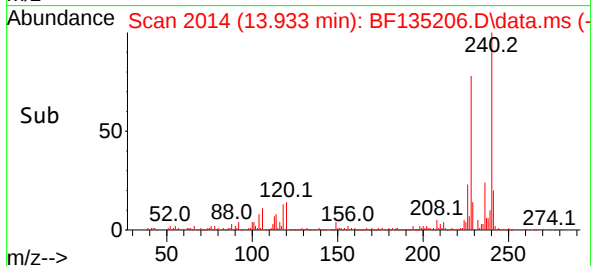
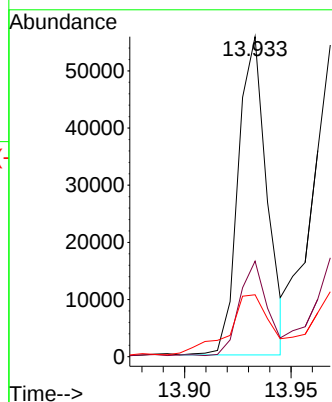
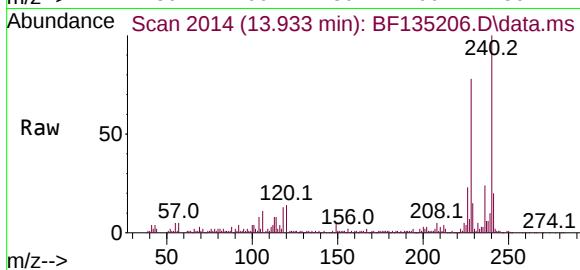
Tgt Ion:228 Resp: 52287

Ion Ratio Lower Upper

228 100

226 29.9 21.7 32.5

229 19.3 15.8 23.8



#83

Chrysene

Concen: 3.655 ng

RT: 13.968 min Scan# 2020

Delta R.T. -0.006 min

Lab File: BF135206.D

Acq: 13 Sep 2023 05:00

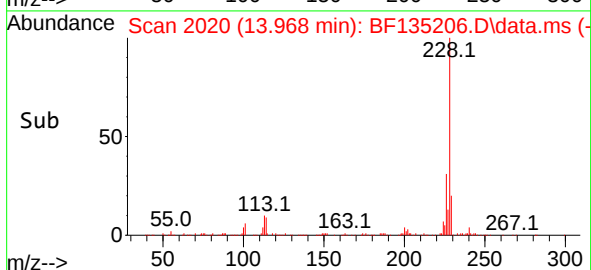
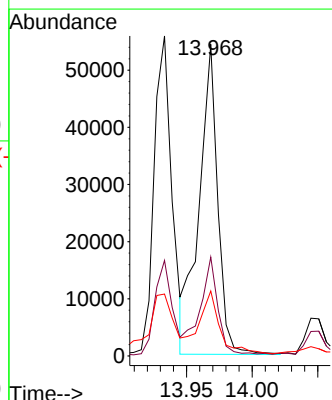
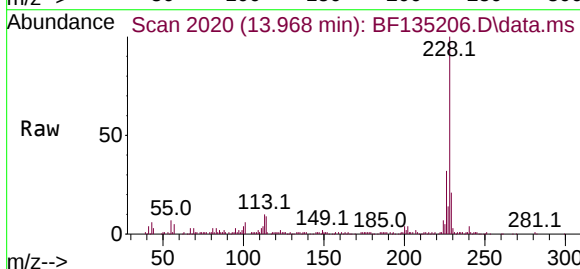
Tgt Ion:228 Resp: 54057

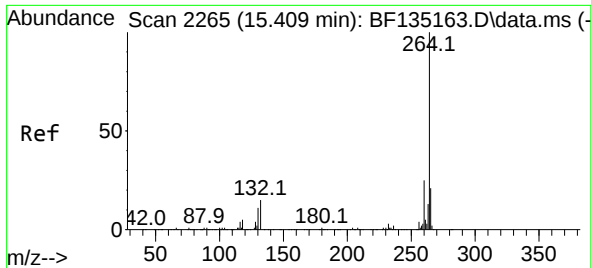
Ion Ratio Lower Upper

228 100

226 31.7 24.3 36.5

229 20.8 16.0 24.0

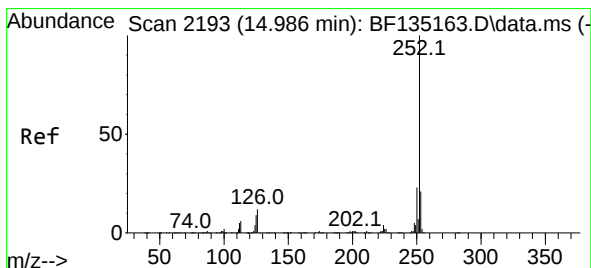
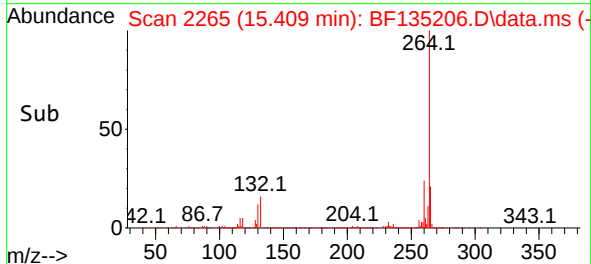
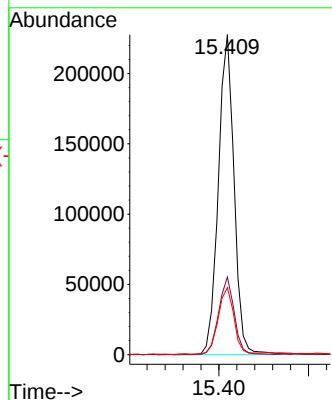
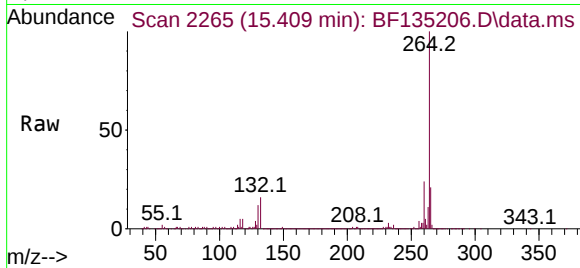




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.409 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF135206.D
Acq: 13 Sep 2023 05:00

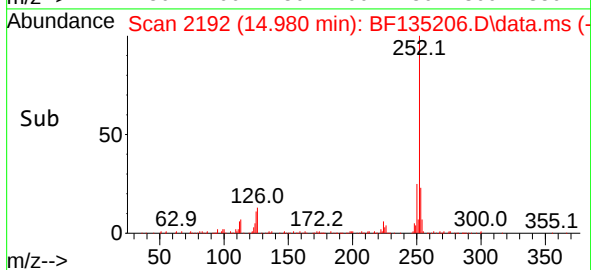
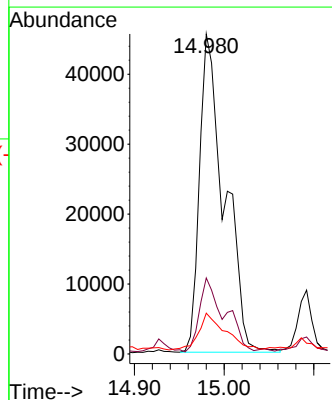
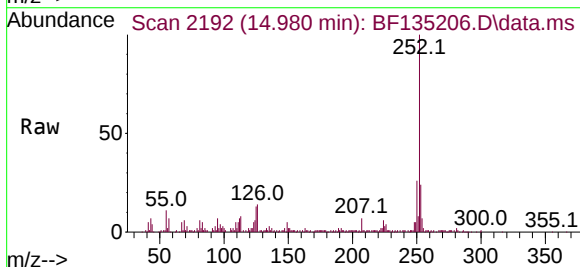
Instrument :
BNA_F
ClientSampleId :
289

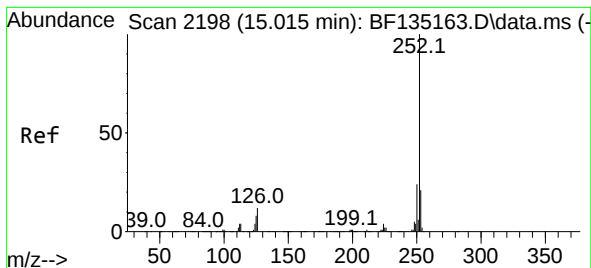
Tgt Ion:264 Resp: 277361
Ion Ratio Lower Upper
264 100
260 24.3 19.8 29.6
265 21.0 17.0 25.4



#88
Benzo(b)fluoranthene
Concen: 5.858 ng
RT: 14.980 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BF135206.D
Acq: 13 Sep 2023 05:00

Tgt Ion:252 Resp: 87956
Ion Ratio Lower Upper
252 100
253 23.7 17.2 25.8
125 12.8 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 5.930 ng

RT: 14.980 min Scan# 2198

Delta R.T. -0.035 min

Lab File: BF135206.D

Acq: 13 Sep 2023 05:00

Instrument :

BNA_F

ClientSampleId :

289

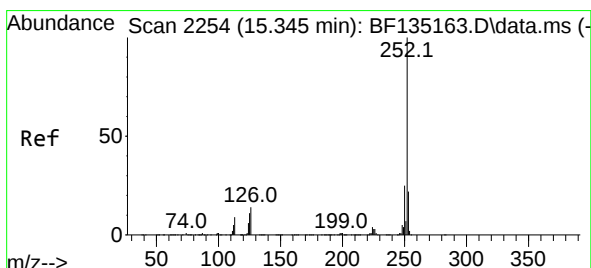
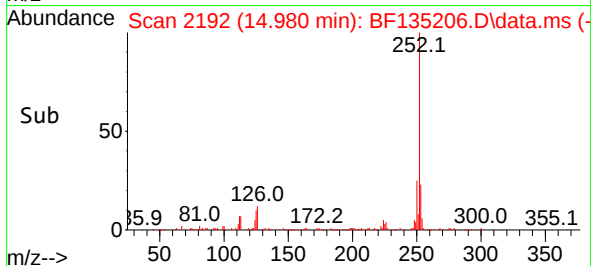
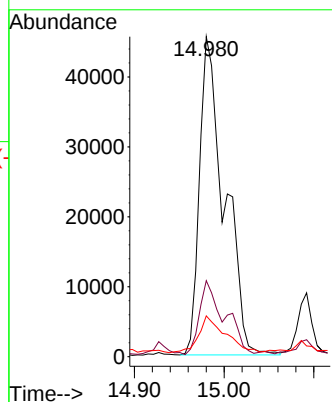
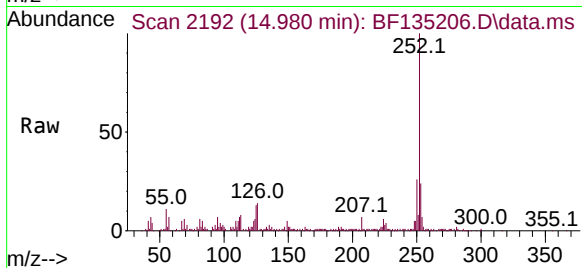
Tgt Ion:252 Resp: 87956

Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.0

125 12.8 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 3.091 ng

RT: 15.345 min Scan# 2254

Delta R.T. 0.000 min

Lab File: BF135206.D

Acq: 13 Sep 2023 05:00

Tgt Ion:252 Resp: 44256

Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

125 10.7 9.2 13.8

