

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091423\
 Data File : BF135270.D
 Acq On : 14 Sep 2023 23:49
 Operator : CG\JU
 Sample : 04395-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-91123

Quant Time: Sep 15 01:39:53 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)

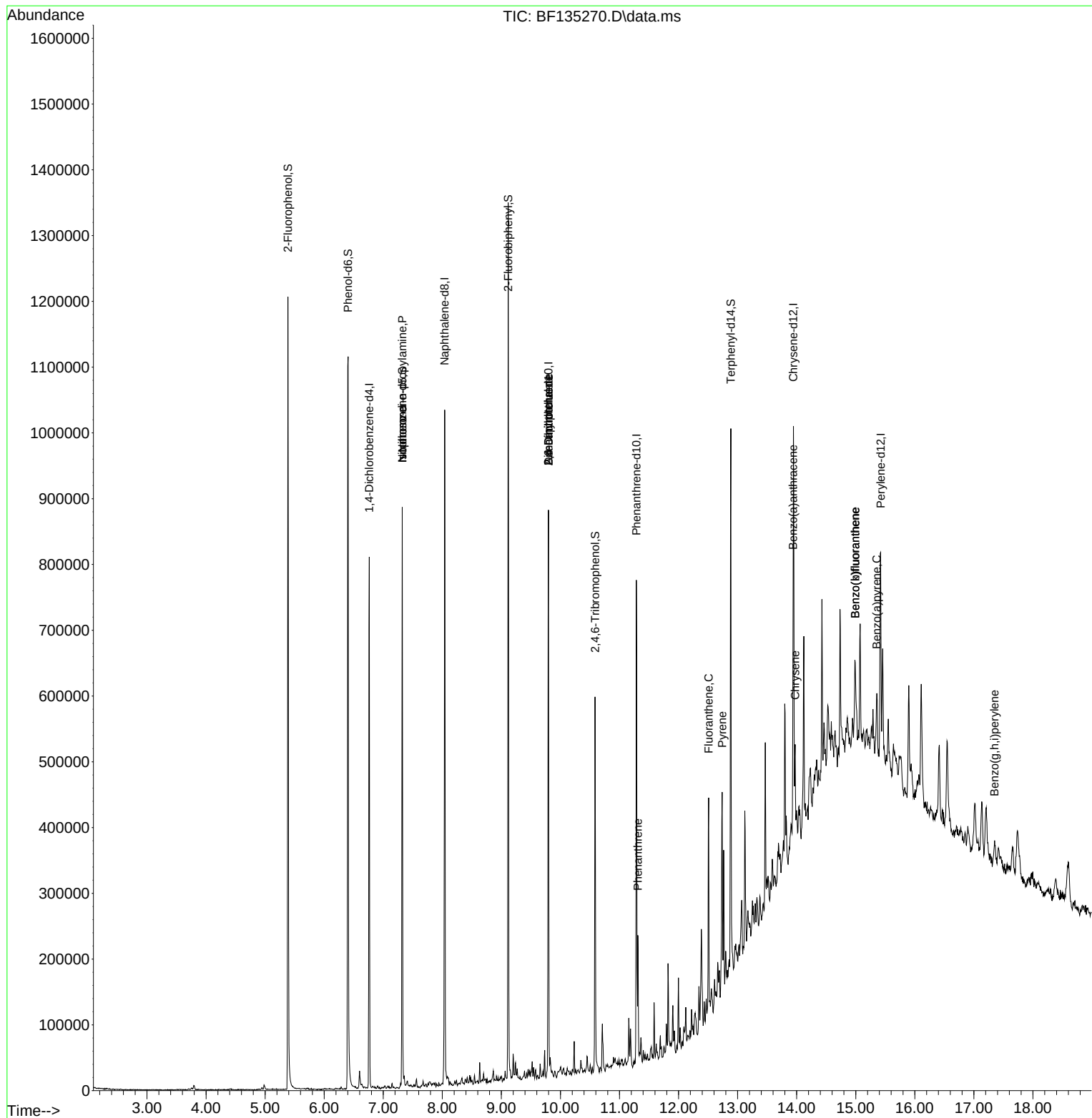
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	116584	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	403364	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	166613	20.000	ng	0.00
64) Phenanthrene-d10	11.286	188	268598	20.000	ng	0.00
76) Chrysene-d12	13.945	240	200516	20.000	ng	0.00
86) Perylene-d12	15.421	264	166307	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	298120	41.590	ng	0.00
7) Phenol-d6	6.404	99	376825	41.343	ng	0.00
23) Nitrobenzene-d5	7.322	82	229782	30.950	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	60336	36.441	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	374292	33.893	ng	-0.01
79) Terphenyl-d14	12.886	244	283256	21.899	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.322	70	31370	5.557	ng	# 77
25) Isophorone	7.322	82	229600	16.841	ng	# 65
50) Dimethylphthalate	9.798	163	33409	2.966	ng	# 1
51) 2,6-Dinitrotoluene	9.798	165	21798	8.833	ng	# 17
57) 2,4-Dinitrotoluene	9.798	165	21798	7.056	ng	# 19
71) Phenanthrene	11.310	178	69704	5.487	ng	99
75) Fluoranthene	12.510	202	135444	10.232	ng	98
78) Pyrene	12.739	202	125030	6.549	ng	99
81) Benzo(a)anthracene	13.939	228	56265	4.346	ng	# 90
83) Chrysene	13.974	228	66469	5.163	ng	# 94
88) Benzo(b)fluoranthene	14.992	252	70890	7.874	ng	# 84
89) Benzo(k)fluoranthene	14.992	252	70965	7.980	ng	# 84
90) Benzo(a)pyrene	15.357	252	33978	3.958	ng	# 82
92) Benzo(g,h,i)perylene	17.351	276	23021	2.471	ng	# 87

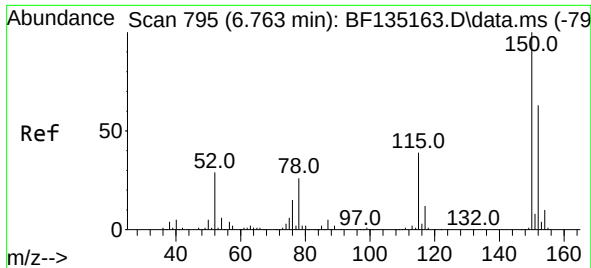
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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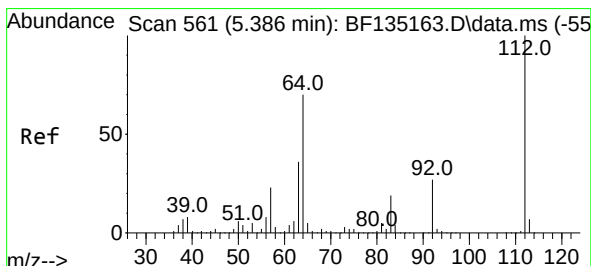
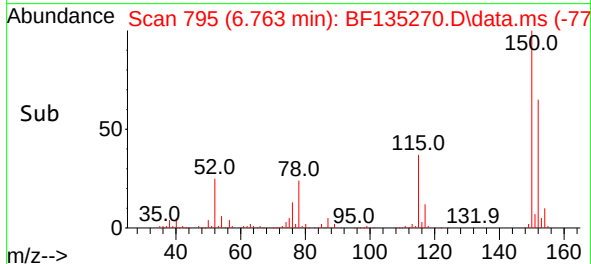
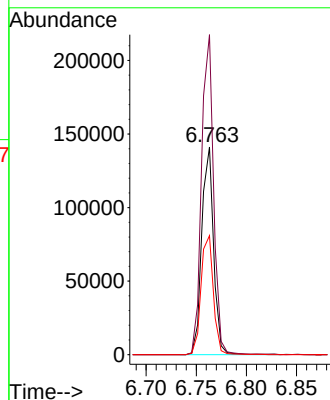
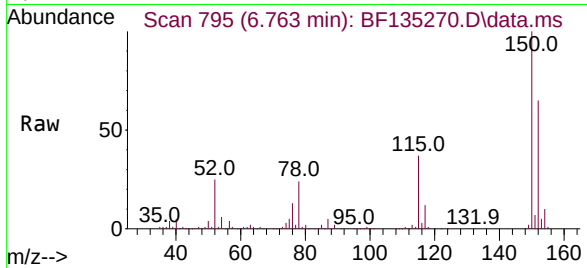




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135270.D
Acq: 14 Sep 2023 23:49

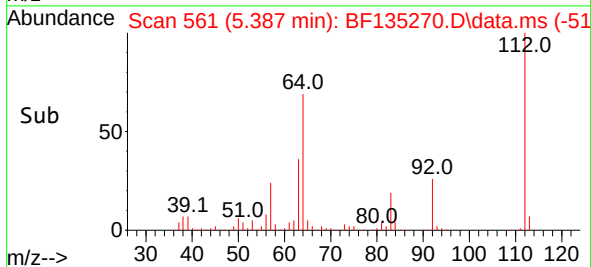
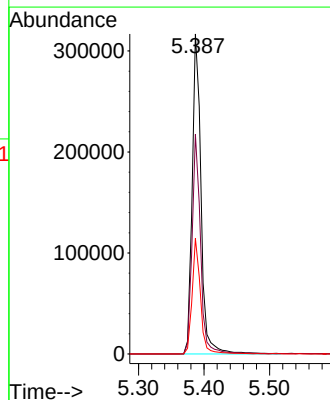
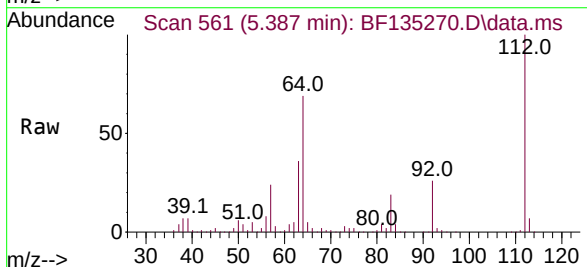
Instrument :
BNA_F
ClientSampleId :
OK-01-91123

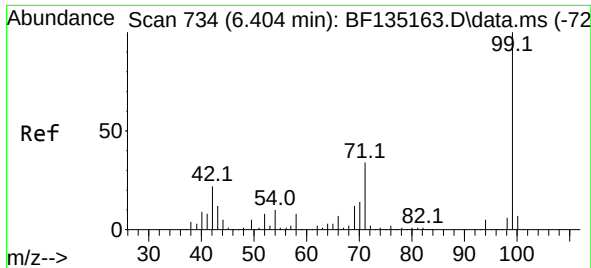
Tgt Ion:152 Resp: 116584
Ion Ratio Lower Upper
152 100
150 154.1 127.8 191.6
115 57.3 49.8 74.8



#5
2-Fluorophenol
Concen: 41.590 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF135270.D
Acq: 14 Sep 2023 23:49

Tgt Ion:112 Resp: 298120
Ion Ratio Lower Upper
112 100
64 68.6 55.9 83.9
63 36.1 29.0 43.6





#7

Phenol-d6

Concen: 41.343 ng

RT: 6.404 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF135270.D

Acq: 14 Sep 2023 23:49

Instrument :

BNA_F

ClientSampleId :

OK-01-91123

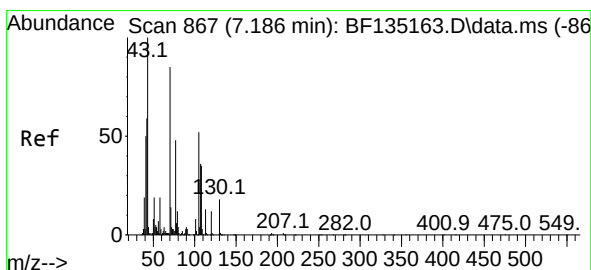
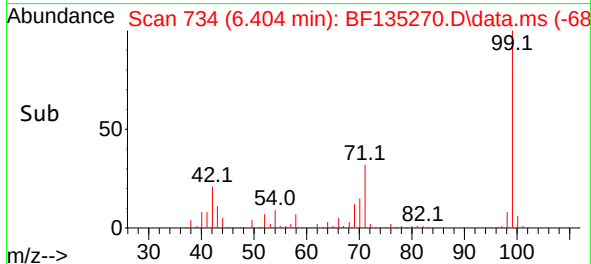
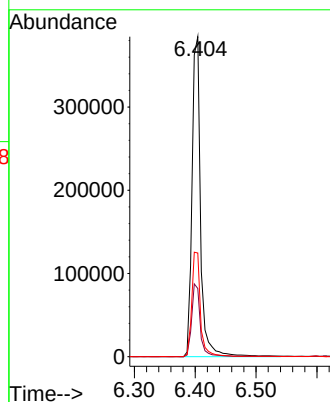
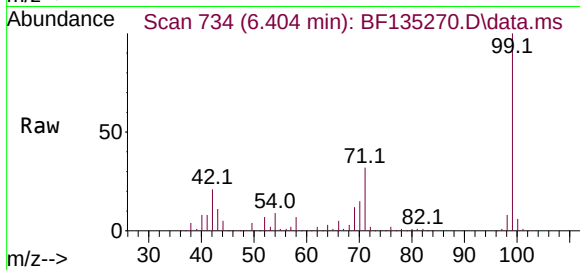
Tgt Ion: 99 Resp: 376825

Ion Ratio Lower Upper

99 100

42 21.3 17.9 26.9

71 32.4 27.0 40.6



#19

n-Nitroso-di-n-propylamine

Concen: 5.557 ng

RT: 7.322 min Scan# 890

Delta R.T. 0.135 min

Lab File: BF135270.D

Acq: 14 Sep 2023 23:49

Tgt Ion: 70 Resp: 31370

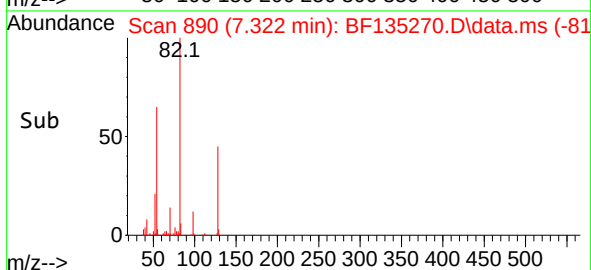
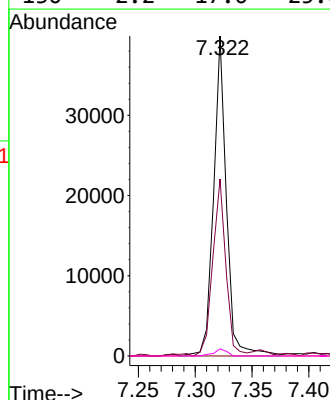
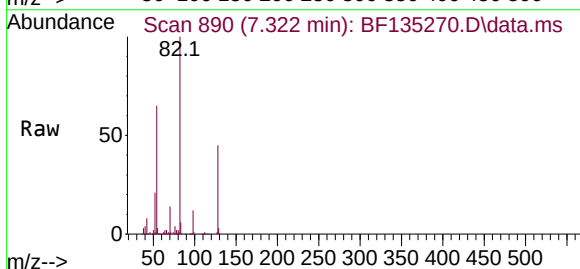
Ion Ratio Lower Upper

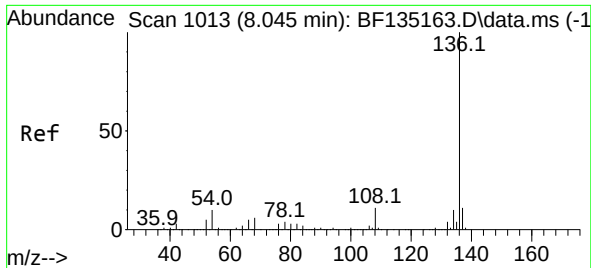
70 100

42 55.3 55.4 83.0#

101 0.0 7.7 11.5#

130 2.2 17.0 25.6#



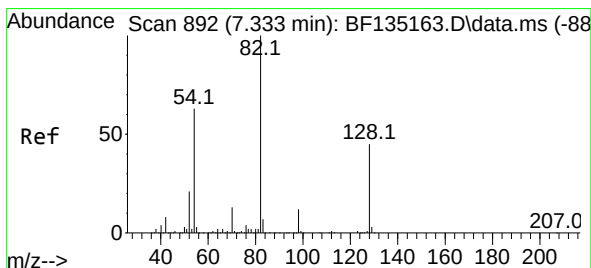
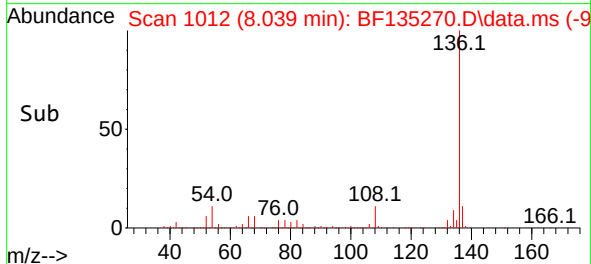
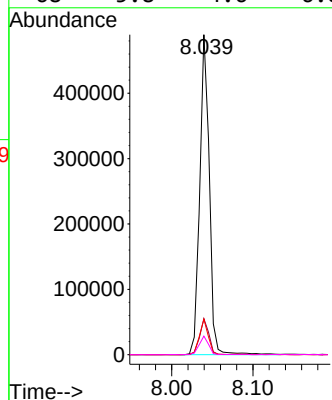
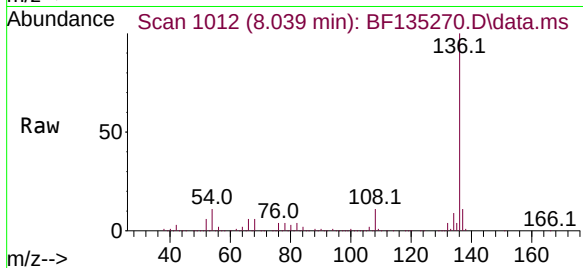


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.039 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135270.D
Acq: 14 Sep 2023 23:49

Instrument :
BNA_F
ClientSampleId :
OK-01-91123

Tgt Ion:136 Resp: 403364

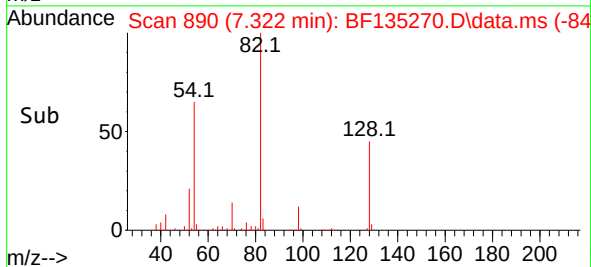
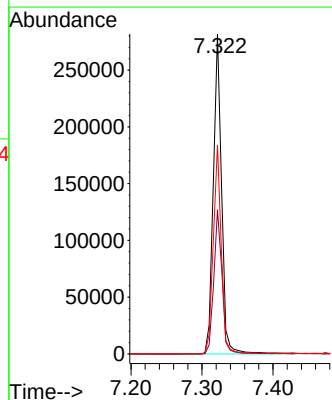
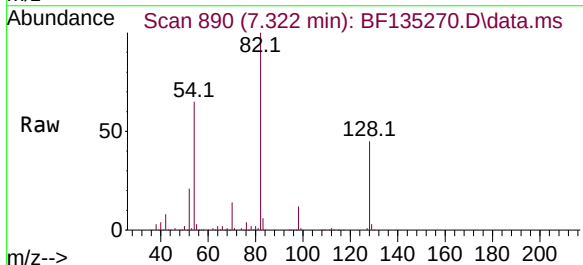
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	11.1	7.7	11.5
68	5.8	4.6	6.8

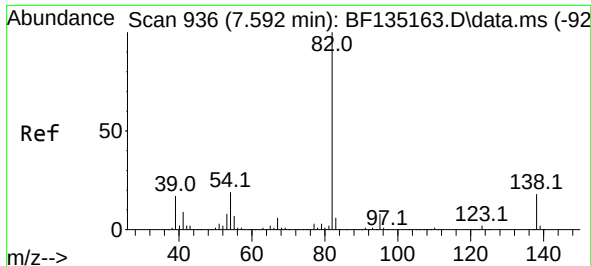


#23
Nitrobenzene-d5
Concen: 30.950 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF135270.D
Acq: 14 Sep 2023 23:49

Tgt Ion: 82 Resp: 229782

Ion	Ratio	Lower	Upper
82	100		
128	45.0	35.8	53.6
54	65.3	50.6	76.0

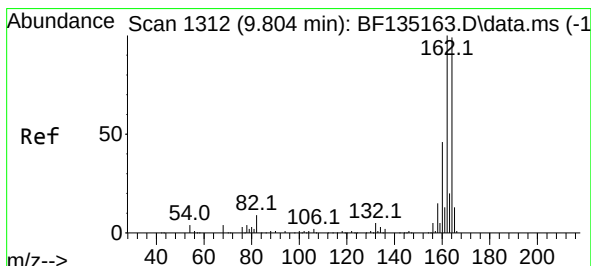
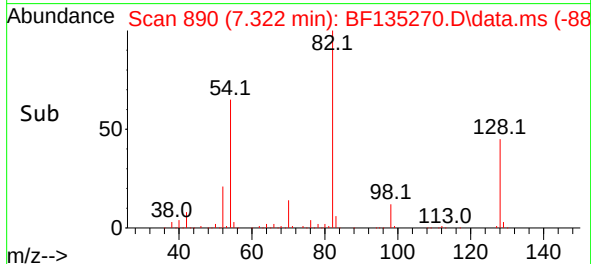
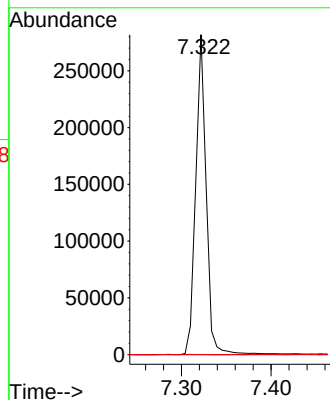
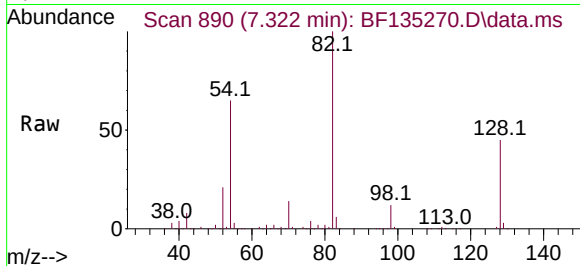




#25
Isophorone
Concen: 16.841 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF135270.D
Acq: 14 Sep 2023 23:49

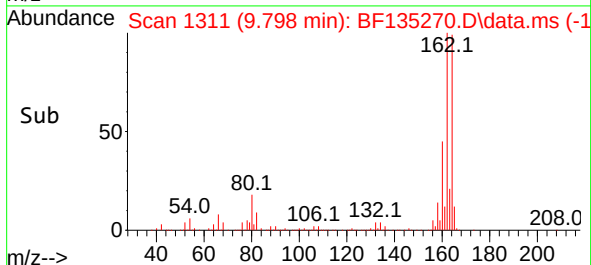
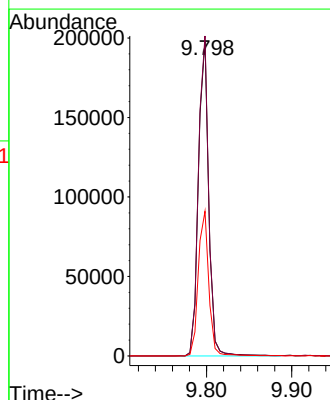
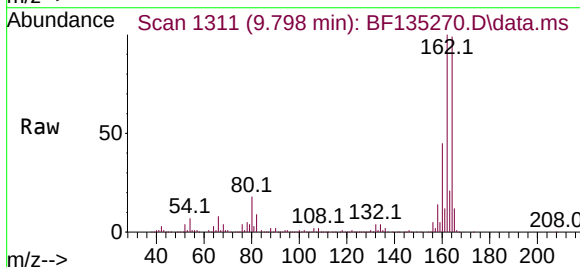
Instrument :
BNA_F
ClientSampleId :
OK-01-91123

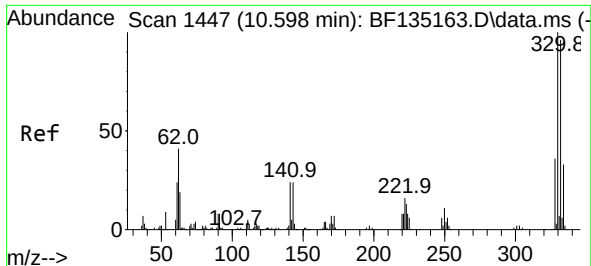
Tgt Ion: 82 Resp: 229600
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.798 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BF135270.D
Acq: 14 Sep 2023 23:49

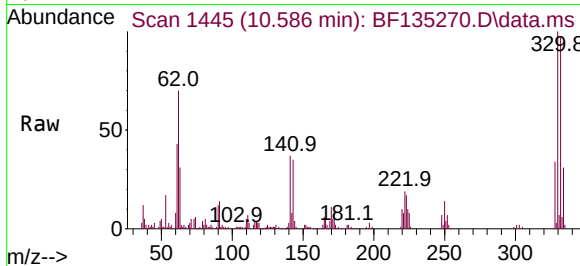
Tgt Ion:164 Resp: 166613
Ion Ratio Lower Upper
164 100
162 101.4 81.0 121.4
160 45.8 37.0 55.4



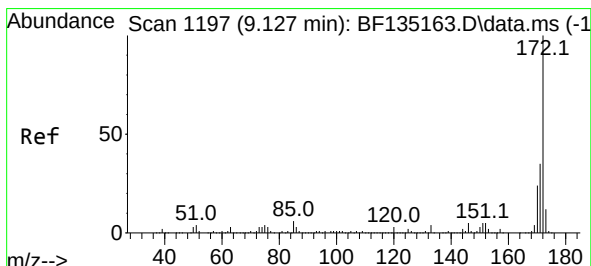
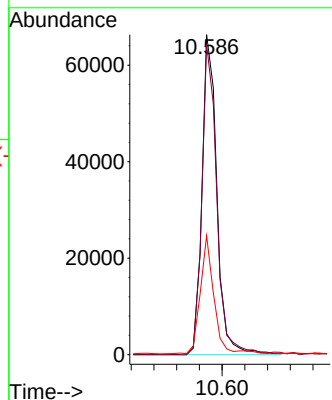
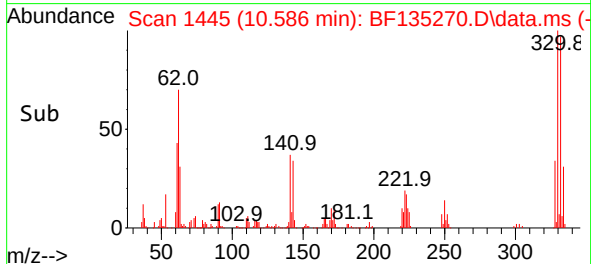


#42
2,4,6-Tribromophenol
Concen: 36.441 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF135270.D
Acq: 14 Sep 2023 23:49

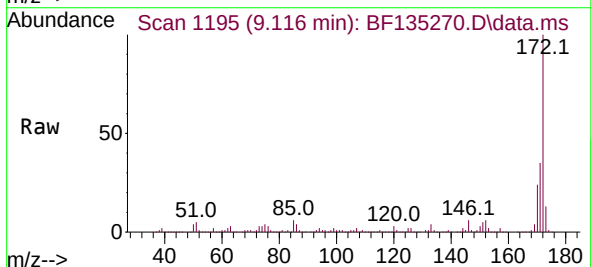
Instrument :
BNA_F
ClientSampleId :
OK-01-91123



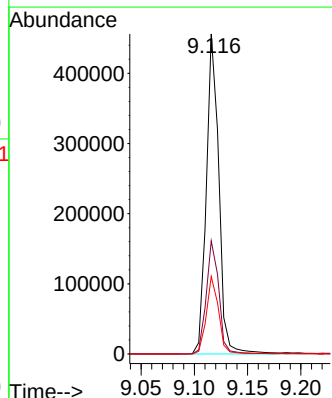
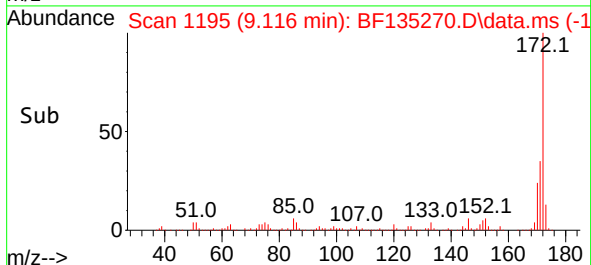
Tgt Ion:330 Resp: 60336
Ion Ratio Lower Upper
330 100
332 96.7 77.3 115.9
141 35.2 25.8 38.8

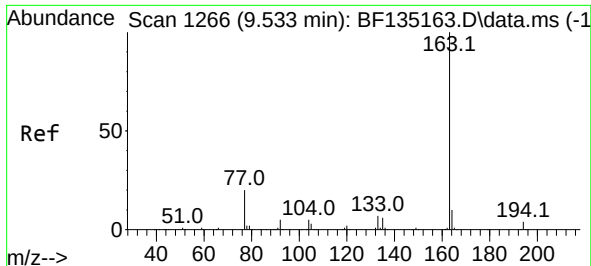


#45
2-Fluorobiphenyl
Concen: 33.893 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF135270.D
Acq: 14 Sep 2023 23:49



Tgt Ion:172 Resp: 374292
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 24.2 19.0 28.4

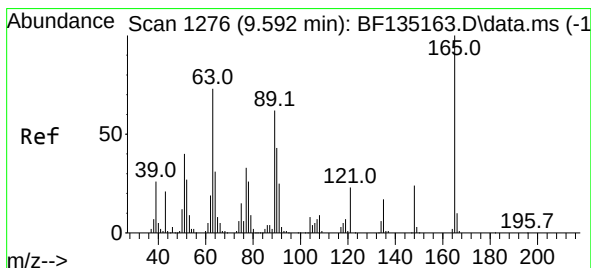
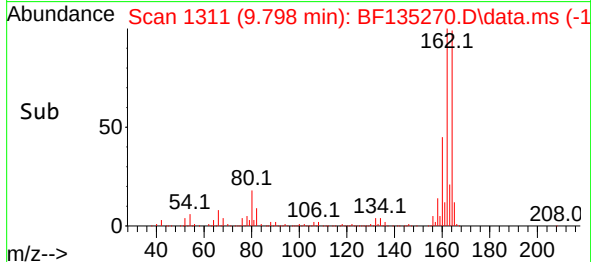
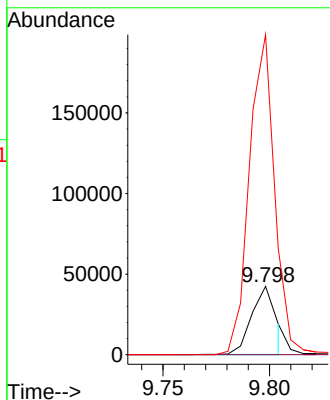
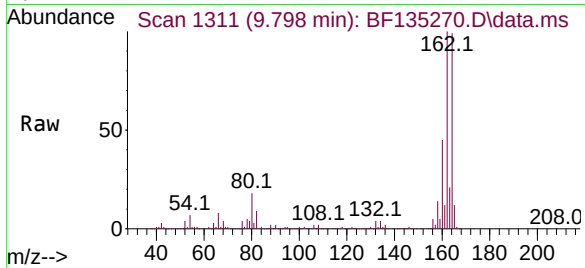




#50
Dimethylphthalate
Concen: 2.966 ng
RT: 9.798 min Scan# 1311
Delta R.T. 0.265 min
Lab File: BF135270.D
Acq: 14 Sep 2023 23:49

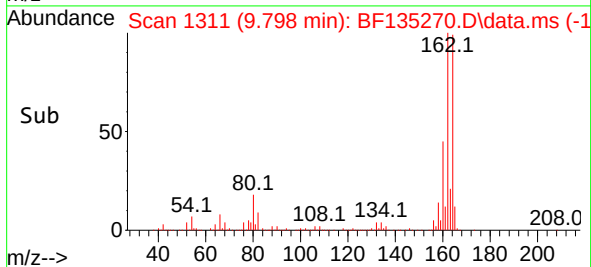
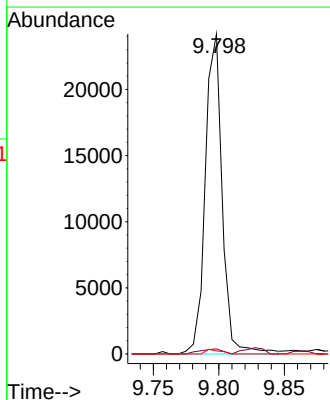
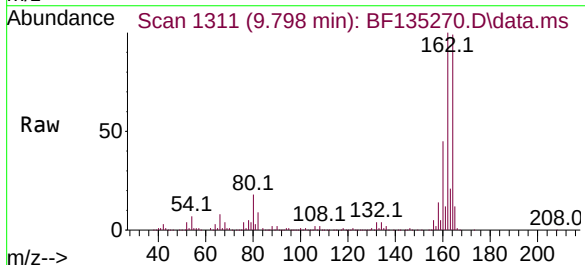
Instrument :
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ClientSampleId :
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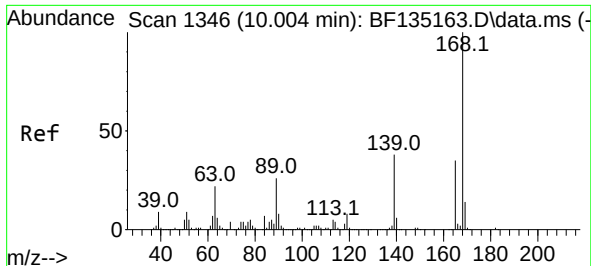
Tgt Ion:163 Resp: 33409
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 468.6 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.833 ng
RT: 9.798 min Scan# 1311
Delta R.T. 0.206 min
Lab File: BF135270.D
Acq: 14 Sep 2023 23:49

Tgt Ion:165 Resp: 21798
Ion Ratio Lower Upper
165 100
63 1.6 59.4 89.2#
89 0.9 49.8 74.8#

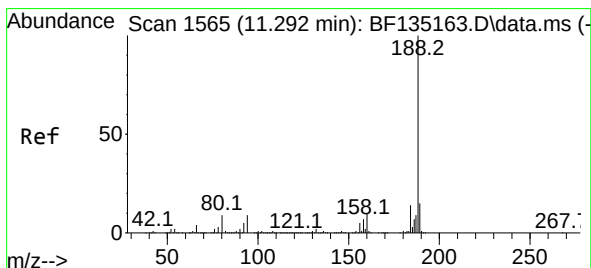
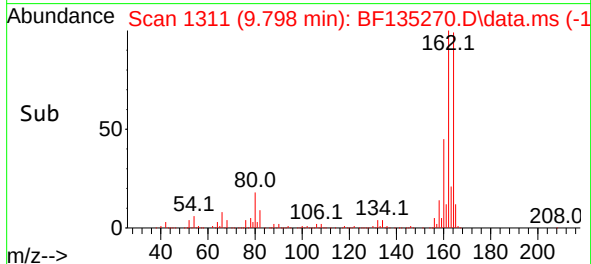
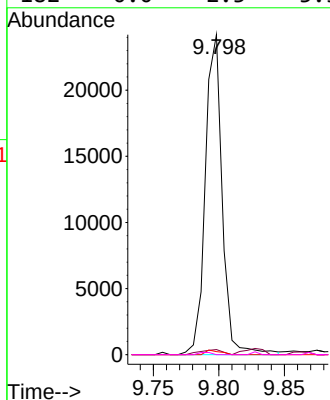
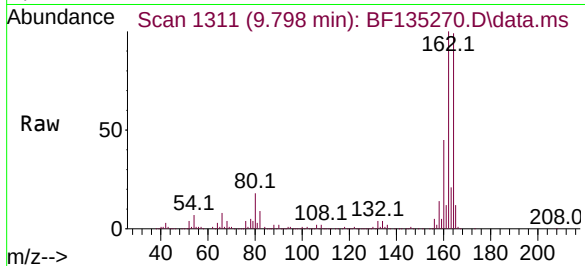




#57
2,4-Dinitrotoluene
Concen: 7.056 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF135270.D
Acq: 14 Sep 2023 23:49

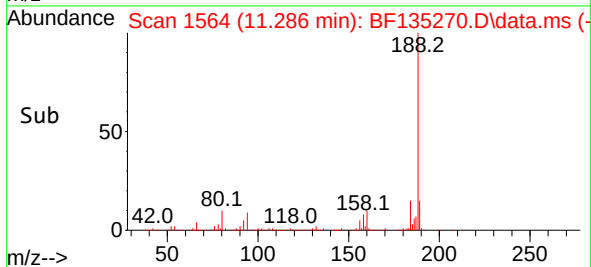
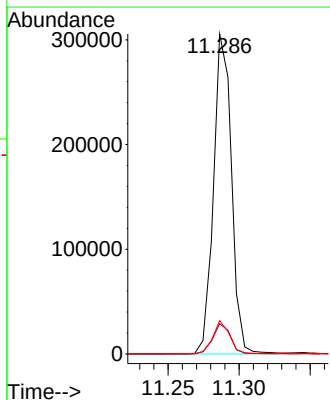
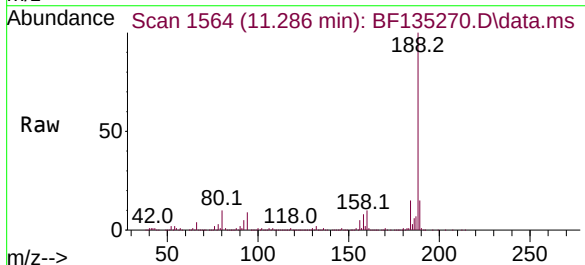
Instrument :
BNA_F
ClientSampleId :
OK-01-91123

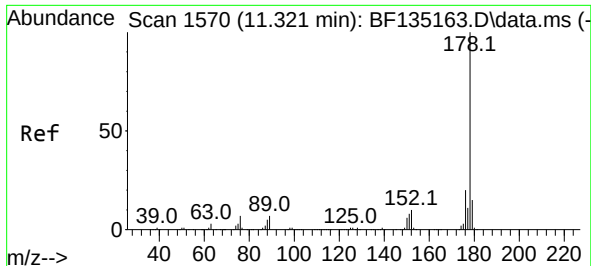
Tgt Ion:165 Resp: 21798
Ion Ratio Lower Upper
165 100
63 1.6 50.1 75.1#
89 0.9 59.3 88.9#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF135270.D
Acq: 14 Sep 2023 23:49

Tgt Ion:188 Resp: 268598
Ion Ratio Lower Upper
188 100
94 9.4 7.0 10.6
80 10.4 7.5 11.3

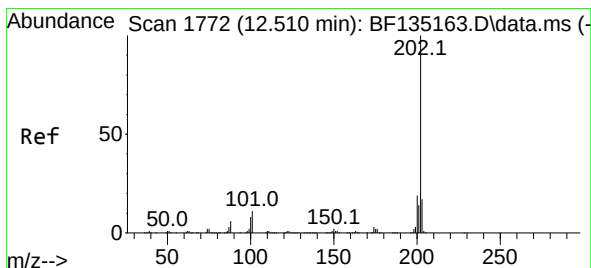
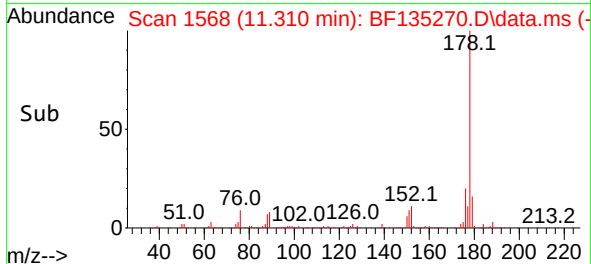
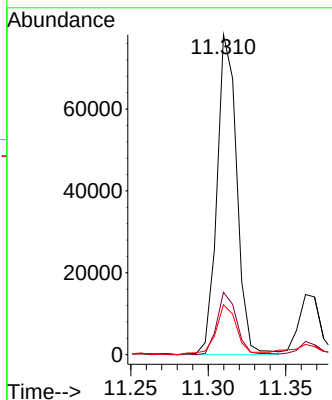
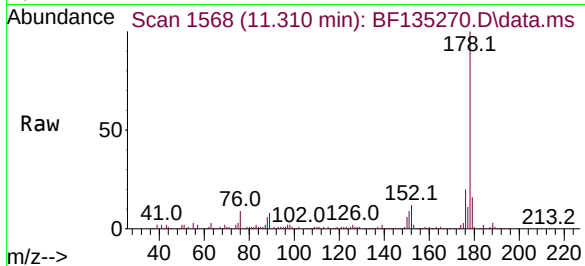




#71
Phenanthrene
Concen: 5.487 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF135270.D
Acq: 14 Sep 2023 23:49

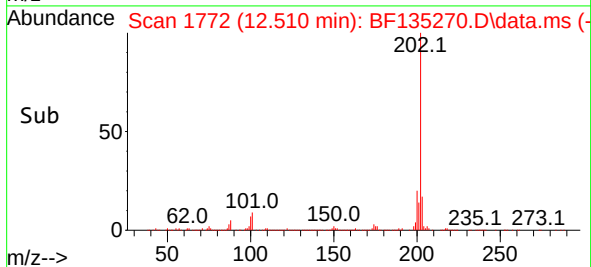
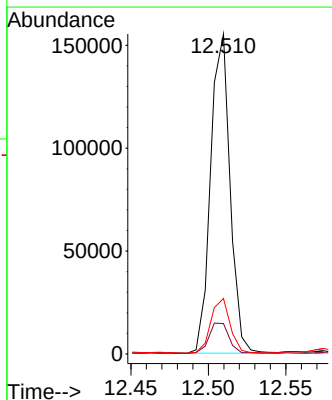
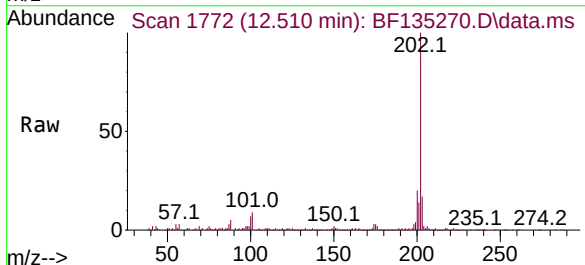
Instrument :
BNA_F
ClientSampleId :
OK-01-91123

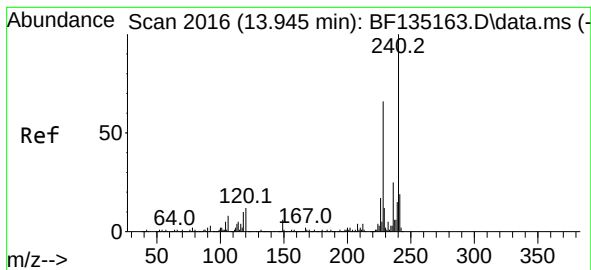
Tgt Ion:178 Resp: 69704
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.6 12.0 18.0



#75
Fluoranthene
Concen: 10.232 ng
RT: 12.510 min Scan# 1772
Delta R.T. 0.000 min
Lab File: BF135270.D
Acq: 14 Sep 2023 23:49

Tgt Ion:202 Resp: 135444
Ion Ratio Lower Upper
202 100
101 9.5 0.0 31.3
203 17.4 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: BF135270.D

Acq: 14 Sep 2023 23:49

Instrument :

BNA_F

ClientSampleId :

OK-01-91123

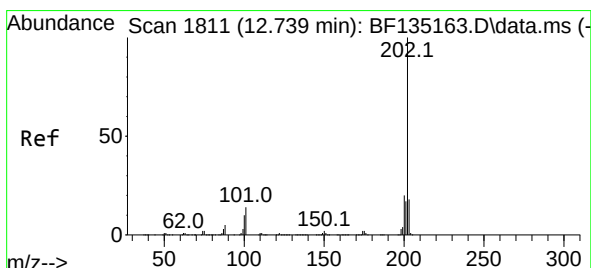
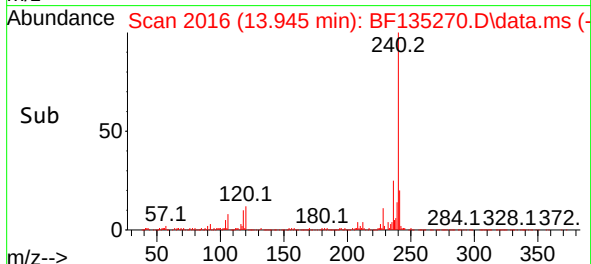
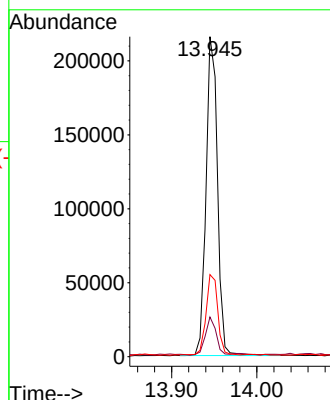
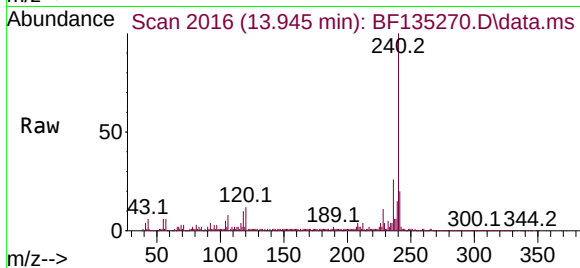
Tgt Ion:240 Resp: 200516

Ion Ratio Lower Upper

240 100

120 12.4 9.4 14.2

236 25.6 19.8 29.8



#78

Pyrene

Concen: 6.549 ng

RT: 12.739 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF135270.D

Acq: 14 Sep 2023 23:49

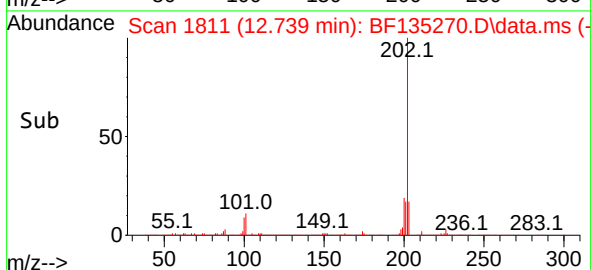
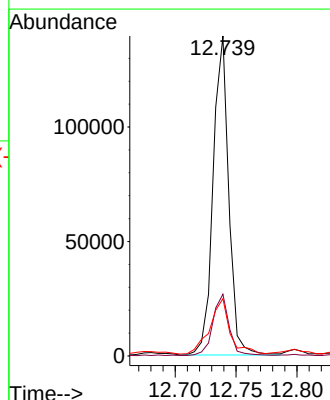
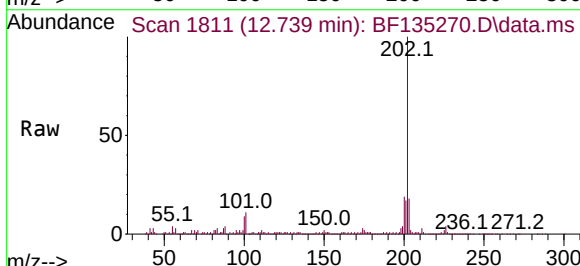
Tgt Ion:202 Resp: 125030

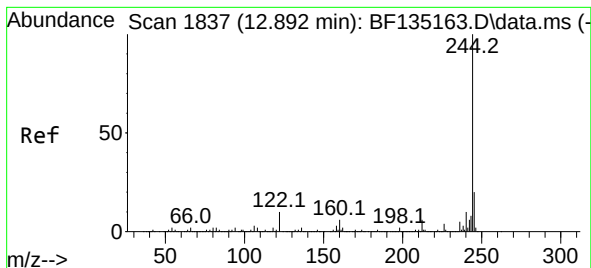
Ion Ratio Lower Upper

202 100

200 19.3 16.2 24.2

203 17.9 14.2 21.4





#79

Terphenyl-d14

Concen: 21.899 ng

RT: 12.886 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF135270.D

Acq: 14 Sep 2023 23:49

Instrument :

BNA_F

ClientSampleId :

OK-01-91123

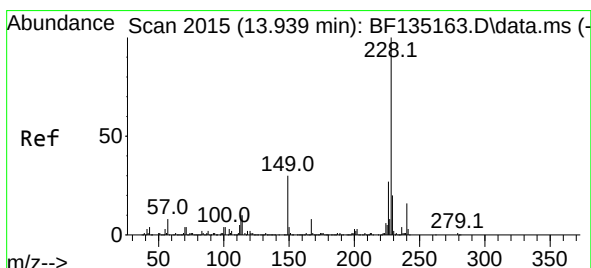
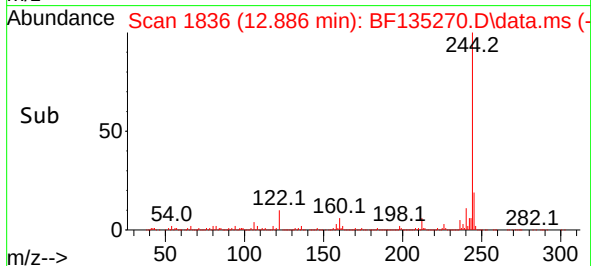
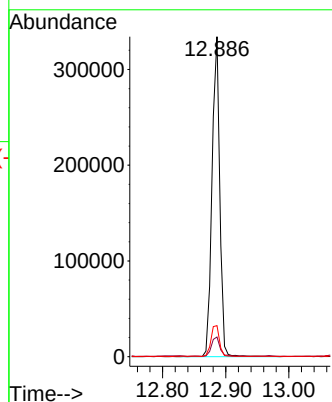
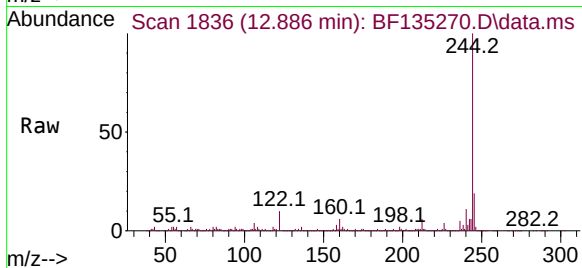
Tgt Ion:244 Resp: 283256

Ion Ratio Lower Upper

244 100

212 6.1 5.1 7.7

122 9.7 7.9 11.9



#81

Benzo(a)anthracene

Concen: 4.346 ng

RT: 13.939 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF135270.D

Acq: 14 Sep 2023 23:49

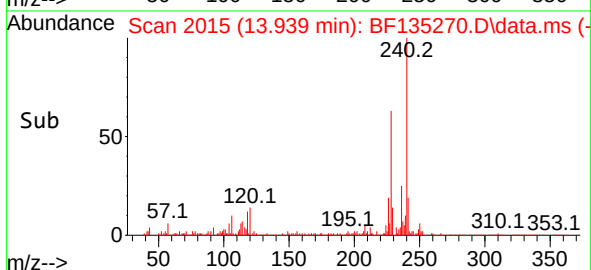
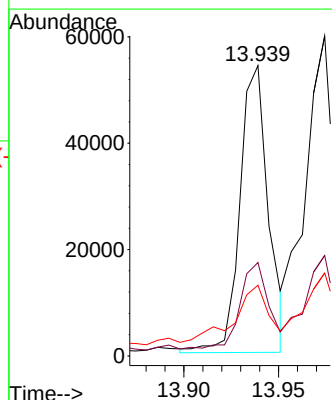
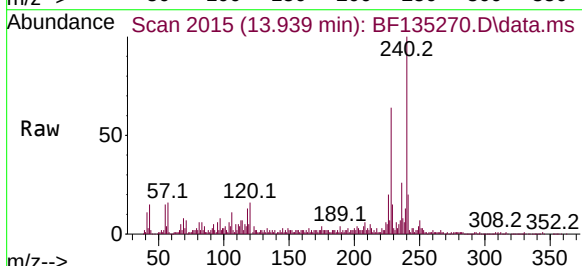
Tgt Ion:228 Resp: 56265

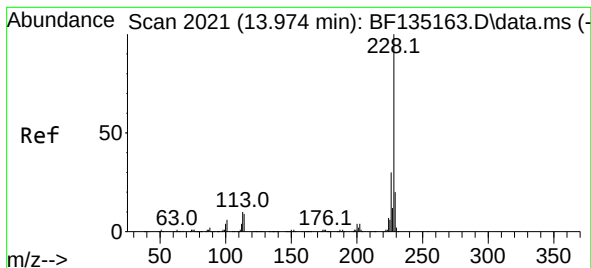
Ion Ratio Lower Upper

228 100

226 32.2 21.7 32.5

229 24.4 15.8 23.8#





#83

Chrysene

Concen: 5.163 ng

RT: 13.974 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF135270.D

Acq: 14 Sep 2023 23:49

Instrument :

BNA_F

ClientSampleId :

OK-01-91123

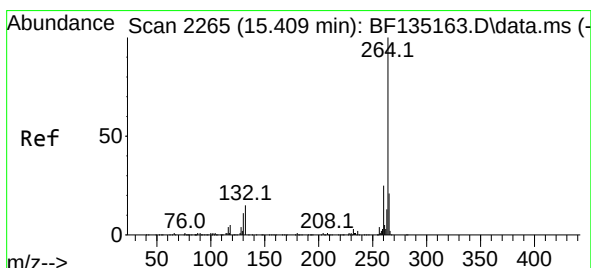
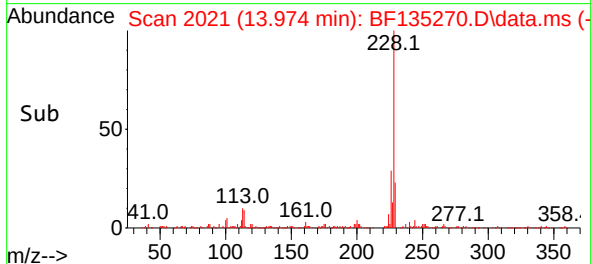
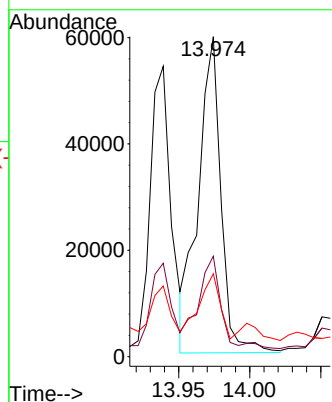
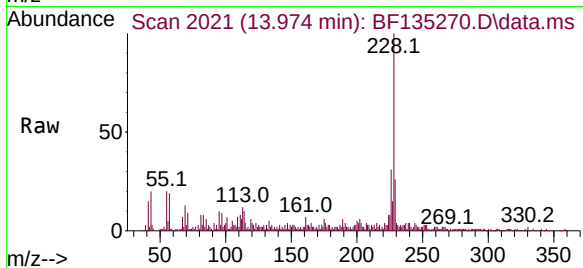
Tgt Ion:228 Resp: 66469

Ion Ratio Lower Upper

228 100

226 31.4 24.3 36.5

229 25.9 16.0 24.0#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2267

Delta R.T. 0.012 min

Lab File: BF135270.D

Acq: 14 Sep 2023 23:49

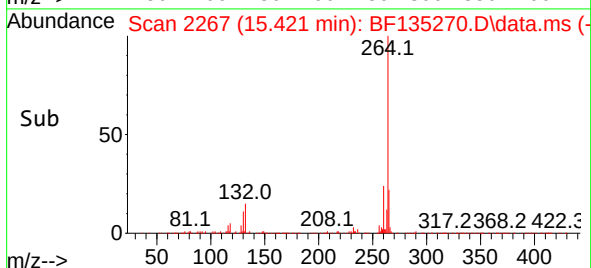
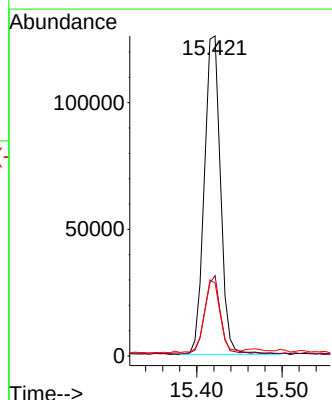
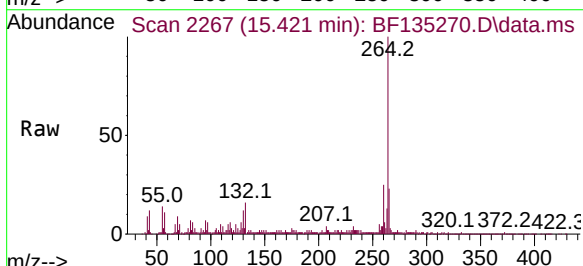
Tgt Ion:264 Resp: 166307

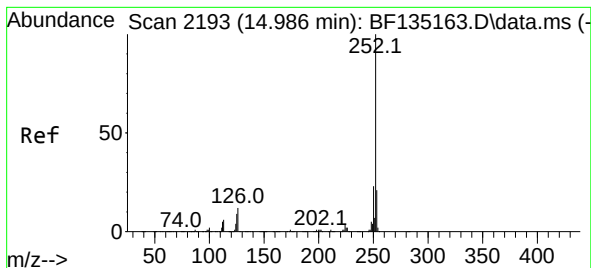
Ion Ratio Lower Upper

264 100

260 25.1 19.8 29.6

265 22.8 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 7.874 ng

RT: 14.992 min Scan# 2194

Delta R.T. 0.006 min

Lab File: BF135270.D

Acq: 14 Sep 2023 23:49

Instrument :

BNA_F

ClientSampleId :

OK-01-91123

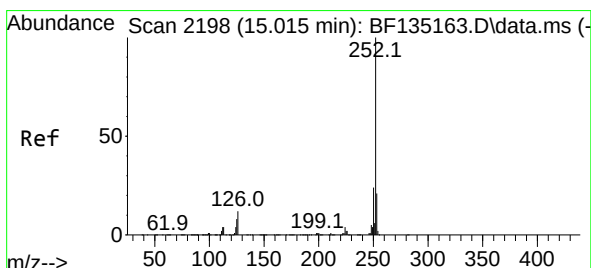
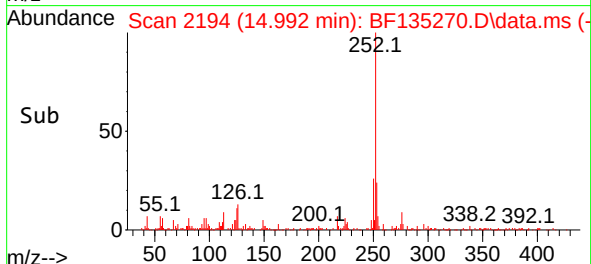
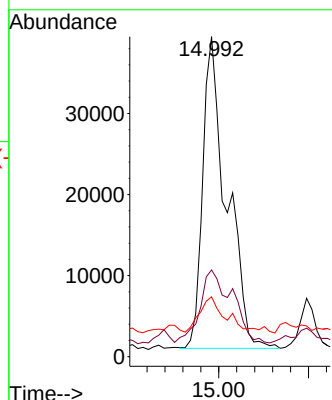
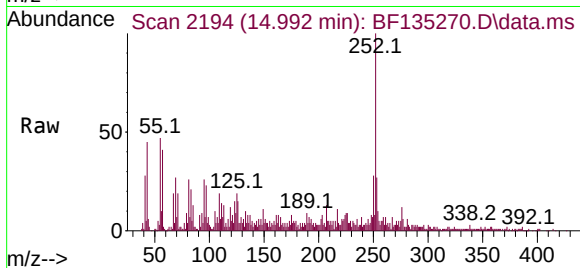
Tgt Ion:252 Resp: 70890

Ion Ratio Lower Upper

252 100

253 27.1 17.2 25.8#

125 18.7 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 7.980 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.023 min

Lab File: BF135270.D

Acq: 14 Sep 2023 23:49

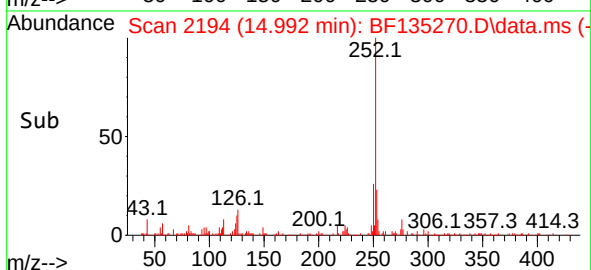
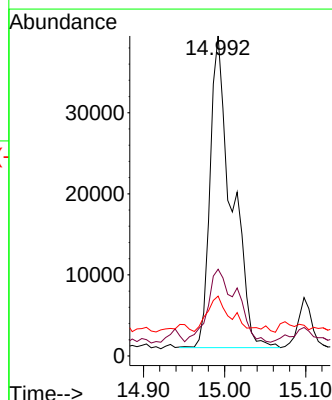
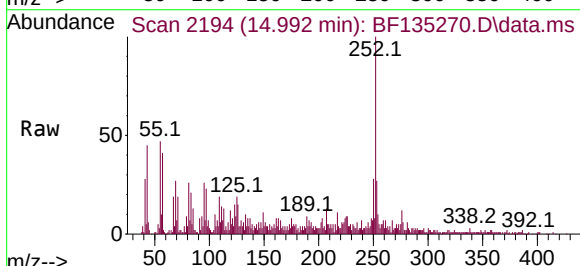
Tgt Ion:252 Resp: 70965

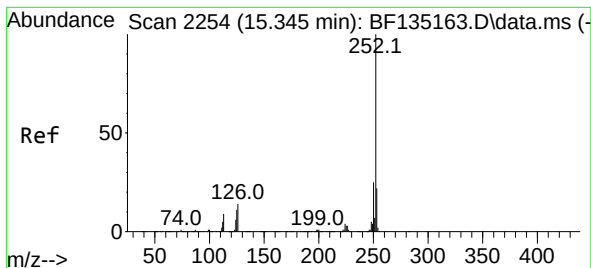
Ion Ratio Lower Upper

252 100

253 27.1 17.4 26.0#

125 18.7 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 3.958 ng

RT: 15.357 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF135270.D

Acq: 14 Sep 2023 23:49

Instrument :

BNA_F

ClientSampleId :

OK-01-91123

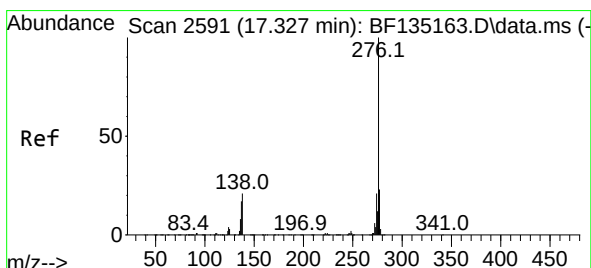
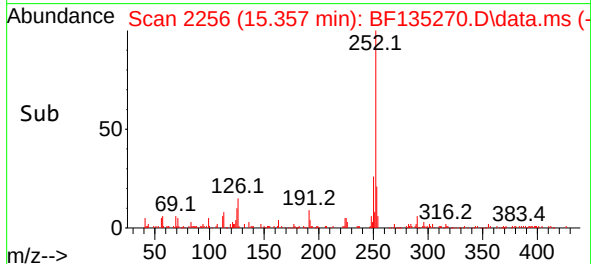
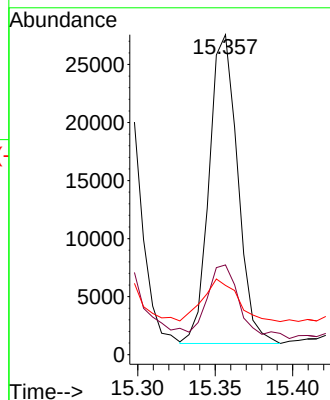
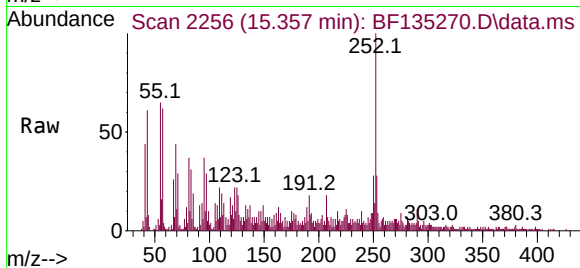
Tgt Ion:252 Resp: 33978

Ion Ratio Lower Upper

252 100

253 28.0 17.5 26.3#

125 21.6 9.2 13.8#



#92

Benzo(g,h,i)perylene

Concen: 2.471 ng

RT: 17.351 min Scan# 2595

Delta R.T. 0.024 min

Lab File: BF135270.D

Acq: 14 Sep 2023 23:49

Tgt Ion:276 Resp: 23021

Ion Ratio Lower Upper

276 100

277 28.2 18.8 28.2#

138 28.5 16.9 25.3#

