

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092223\
 Data File : BF135413.D
 Acq On : 22 Sep 2023 22:19
 Operator : CG\JU
 Sample : 04491-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B102-04

Quant Time: Sep 23 04:59:50 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)

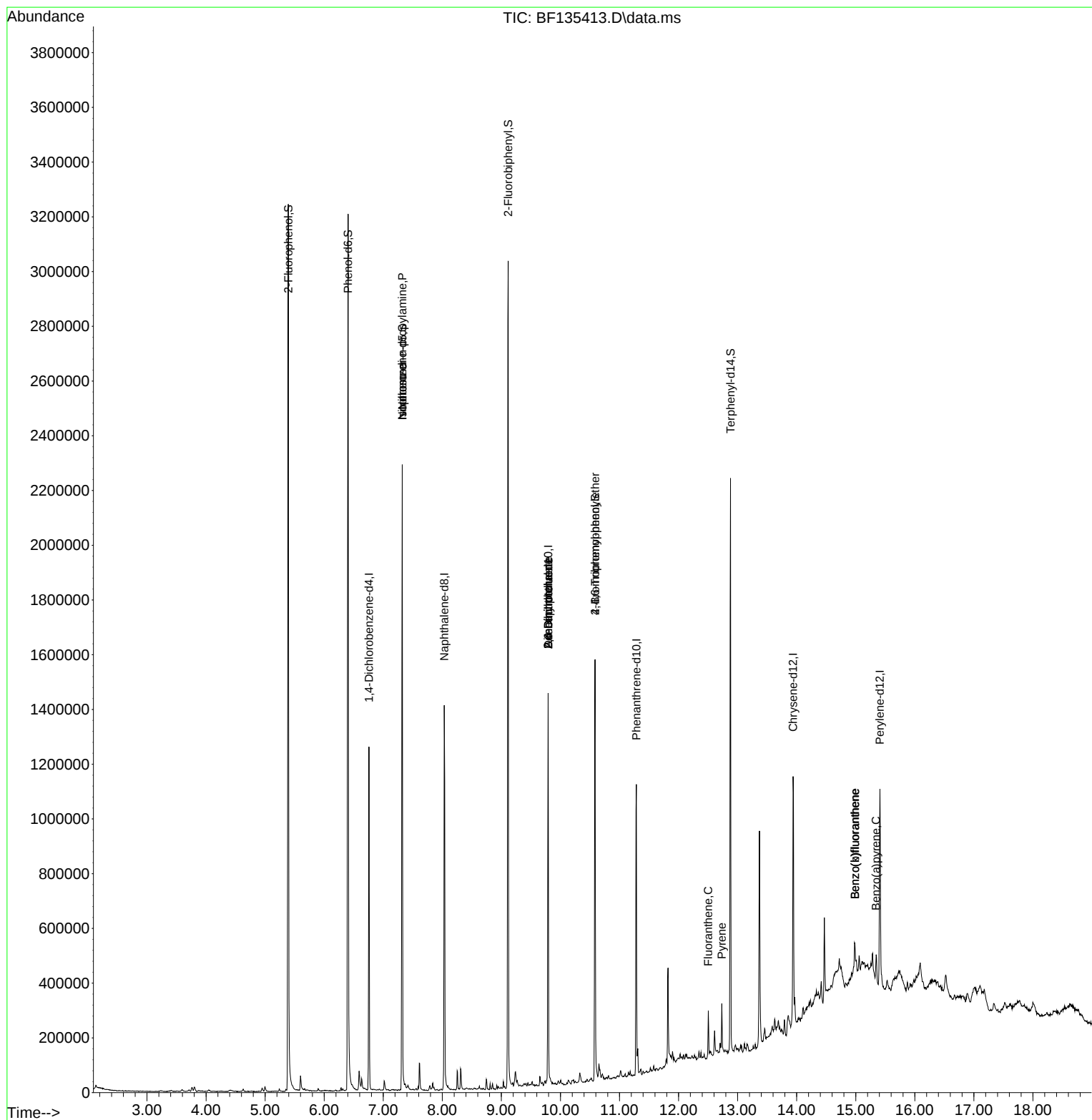
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	166772	20.000	ng	0.00
21) Naphthalene-d8	8.033	136	594673	20.000	ng	#-0.01
39) Acenaphthene-d10	9.792	164	269292	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	410106	20.000	ng	0.00
76) Chrysene-d12	13.939	240	318544	20.000	ng	# 0.00
86) Perylene-d12	15.409	264	350308	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.392	112	896834	87.464	ng	0.00
7) Phenol-d6	6.404	99	1092214	83.770	ng	0.00
23) Nitrobenzene-d5	7.322	82	662231	60.502	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	177634	66.378	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	1007072	56.422	ng	-0.01
79) Terphenyl-d14	12.880	244	686236	33.396	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.322	70	86195	10.673	ng	# 78
25) Isophorone	7.322	82	662329	32.953	ng	# 65
50) Dimethylphthalate	9.792	163	51089	2.806	ng	# 1
51) 2,6-Dinitrotoluene	9.792	165	35187	8.822	ng	# 17
57) 2,4-Dinitrotoluene	9.792	165	35256	7.061	ng	# 19
67) 4-Bromophenyl-phenylether	10.586	248	11502	2.820	ng	# 1
75) Fluoranthene	12.504	202	65568	3.244	ng	98
78) Pyrene	12.733	202	66752	2.201	ng	99
88) Benzo(b)fluoranthene	14.986	252	79180	4.175	ng	# 83
89) Benzo(k)fluoranthene	14.986	252	79180	4.227	ng	# 83
90) Benzo(a)pyrene	15.345	252	39665	2.193	ng	# 83

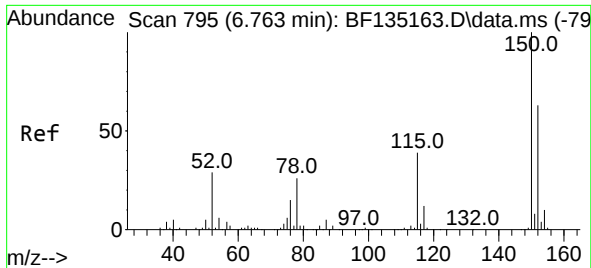
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092223\
Data File : BF135413.D
Acq On : 22 Sep 2023 22:19
Operator : CG\JU
Sample : 04491-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B102-04

Quant Time: Sep 23 04:59:50 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

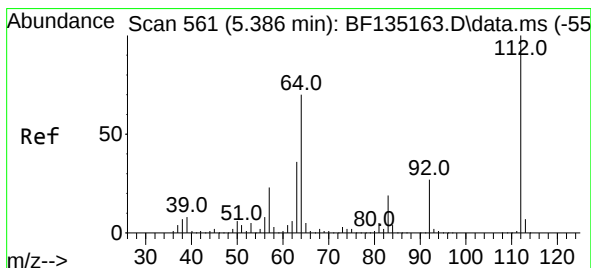
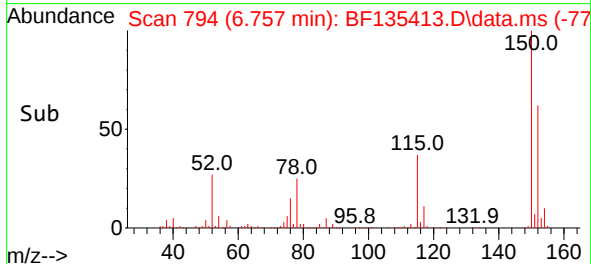
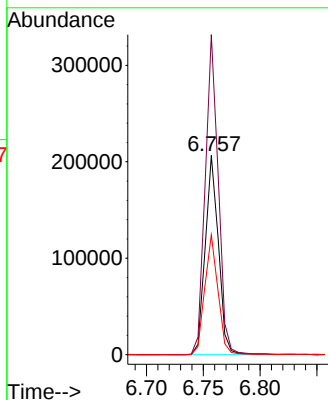
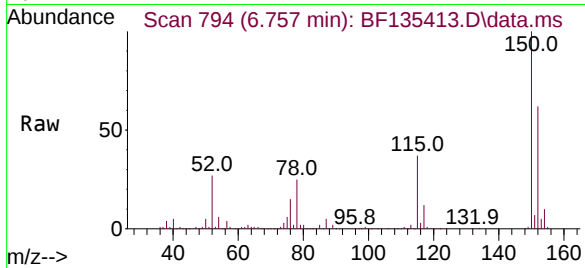




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135413.D
Acq: 22 Sep 2023 22:19

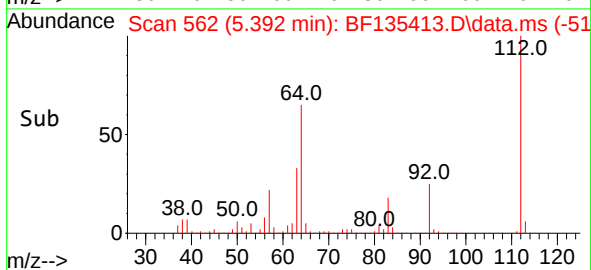
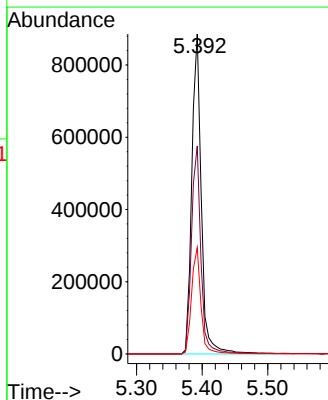
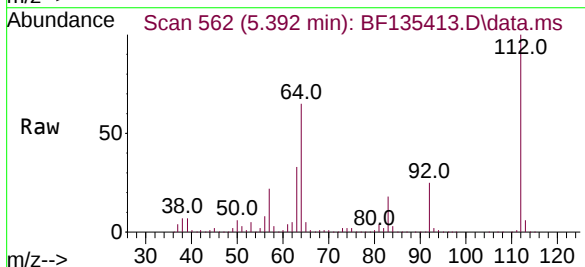
Instrument :
BNA_F
ClientSampleId :
B102-04

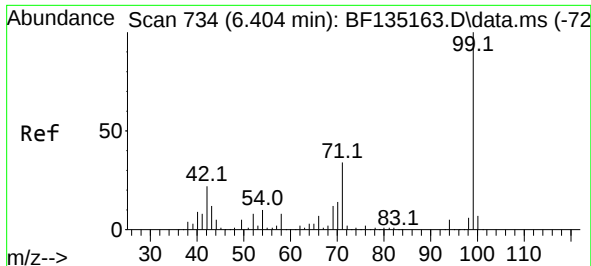
Tgt Ion:152 Resp: 166772
Ion Ratio Lower Upper
152 100
150 160.6 127.8 191.6
115 60.2 49.8 74.8



#5
2-Fluorophenol
Concen: 87.464 ng
RT: 5.392 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF135413.D
Acq: 22 Sep 2023 22:19

Tgt Ion:112 Resp: 896834
Ion Ratio Lower Upper
112 100
64 65.0 55.9 83.9
63 33.2 29.0 43.6





#7

Phenol-d6

Concen: 83.770 ng

RT: 6.404 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF135413.D

Acq: 22 Sep 2023 22:19

Instrument :

BNA_F

ClientSampleId :

B102-04

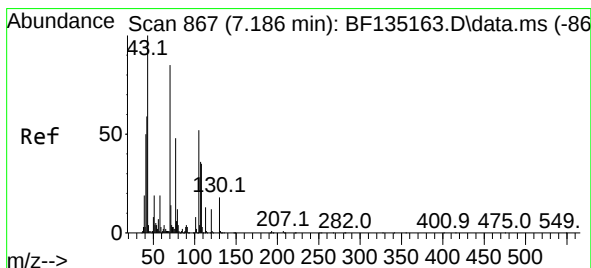
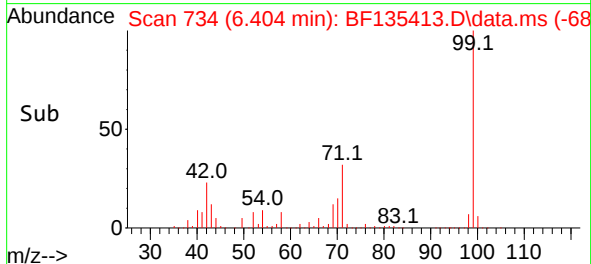
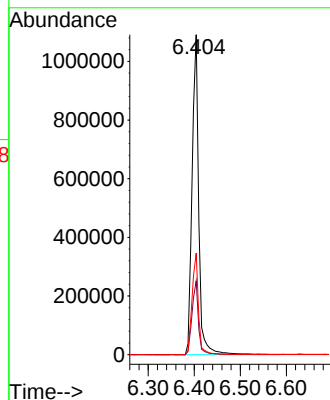
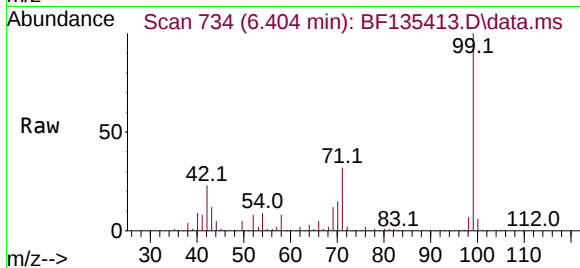
Tgt Ion: 99 Resp: 1092214

Ion Ratio Lower Upper

99 100

42 23.0 17.9 26.9

71 31.7 27.0 40.6



#19

n-Nitroso-di-n-propylamine

Concen: 10.673 ng

RT: 7.322 min Scan# 890

Delta R.T. 0.135 min

Lab File: BF135413.D

Acq: 22 Sep 2023 22:19

Tgt Ion: 70 Resp: 86195

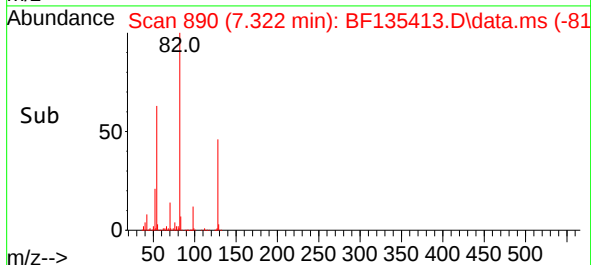
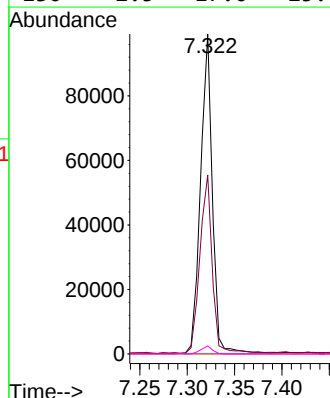
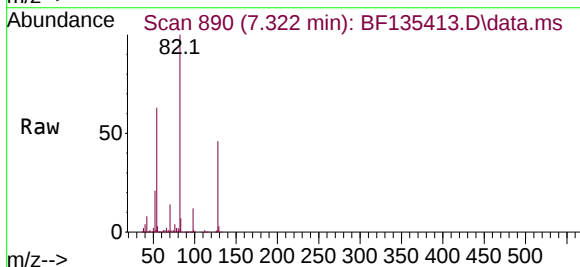
Ion Ratio Lower Upper

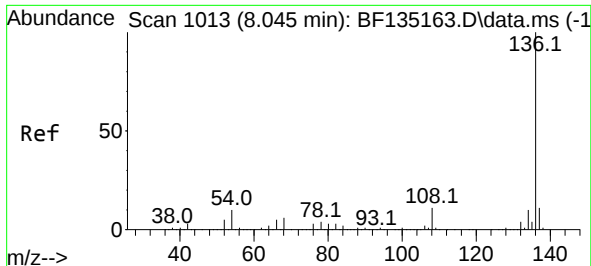
70 100

42 56.0 55.4 83.0

101 0.0 7.7 11.5#

130 2.5 17.0 25.6#

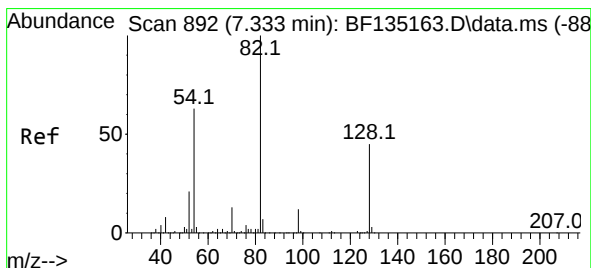
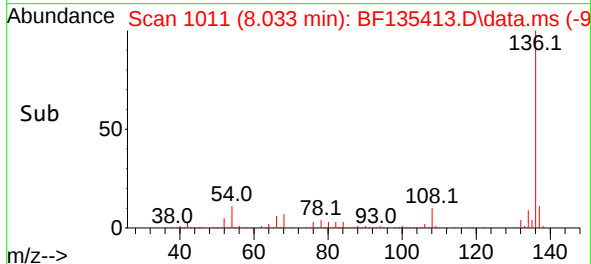
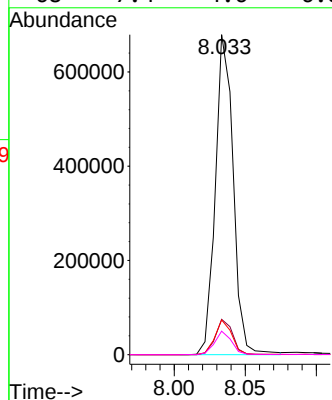
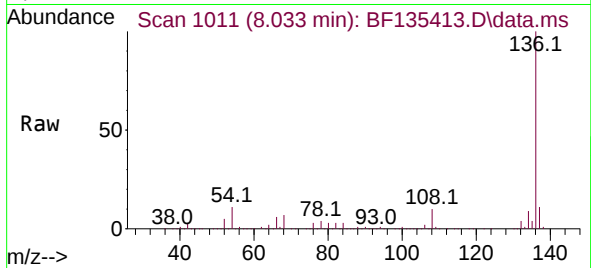




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.033 min Scan# 1013
Delta R.T. -0.012 min
Lab File: BF135413.D
Acq: 22 Sep 2023 22:19

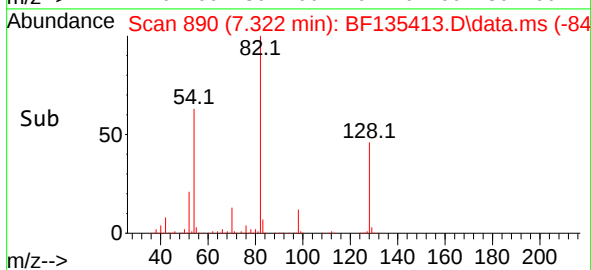
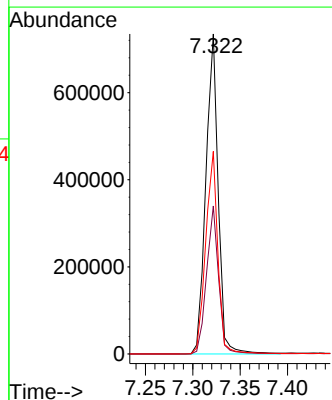
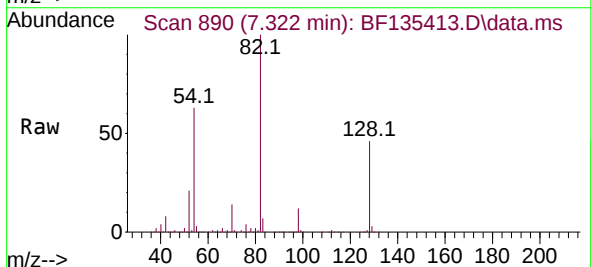
Instrument :
BNA_F
ClientSampleId :
B102-04

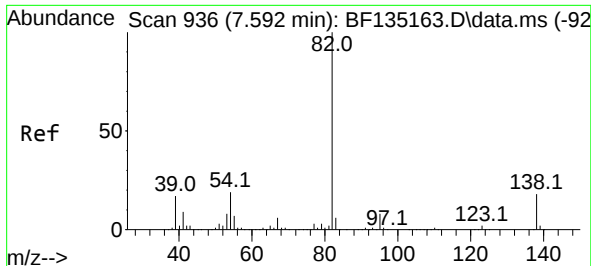
Tgt Ion:136	Resp: 594673
Ion Ratio	Lower Upper
136	100
137	11.0 8.8 13.2
54	10.8 7.7 11.5
68	7.4 4.6 6.8



#23
Nitrobenzene-d5
Concen: 60.502 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF135413.D
Acq: 22 Sep 2023 22:19

Tgt Ion: 82	Resp: 662231
Ion Ratio	Lower Upper
82	100
128	46.2 35.8 53.6
54	63.3 50.6 76.0

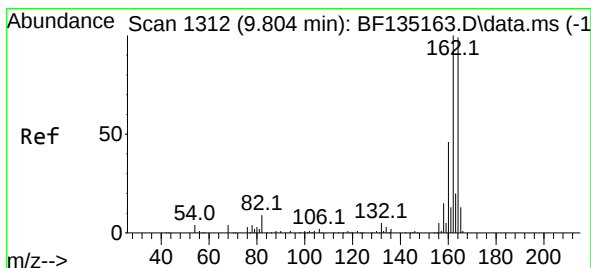
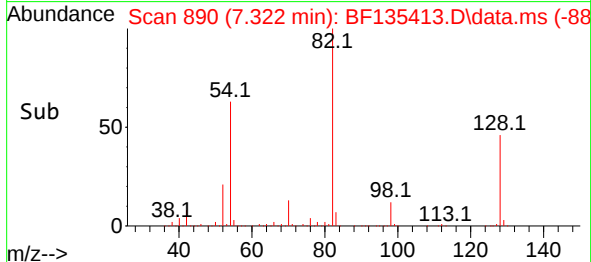
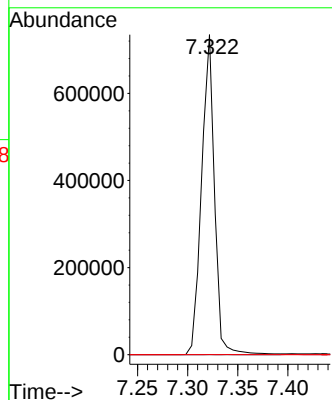
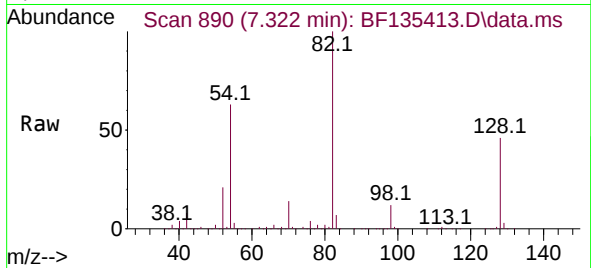




#25
Isophorone
Concen: 32.953 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF135413.D
Acq: 22 Sep 2023 22:19

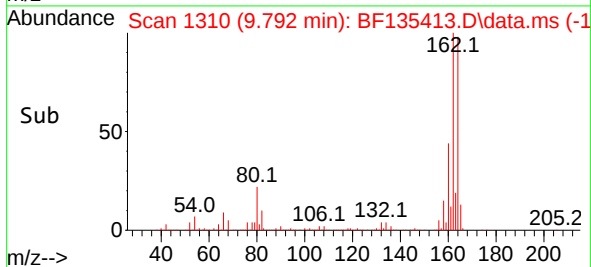
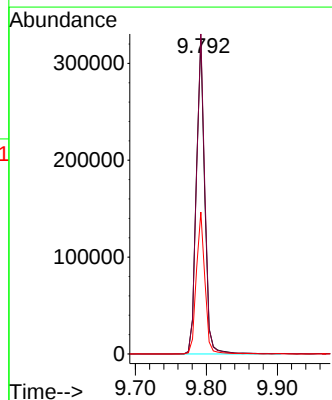
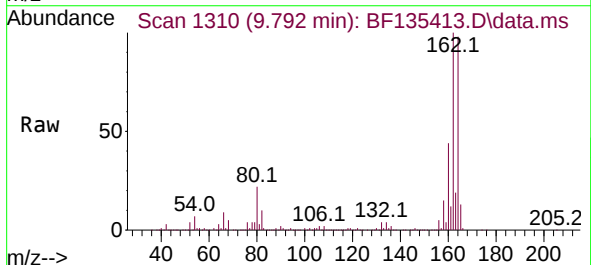
Instrument :
BNA_F
ClientSampleId :
B102-04

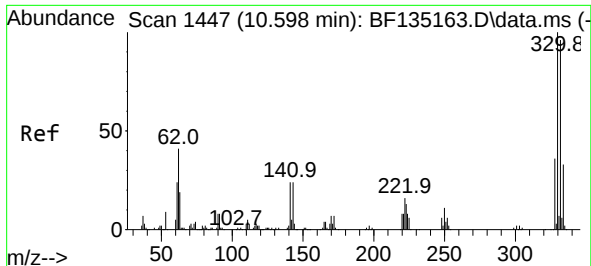
Tgt Ion: 82 Resp: 662329
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF135413.D
Acq: 22 Sep 2023 22:19

Tgt Ion: 164 Resp: 269292
Ion Ratio Lower Upper
164 100
162 101.6 81.0 121.4
160 45.1 37.0 55.4

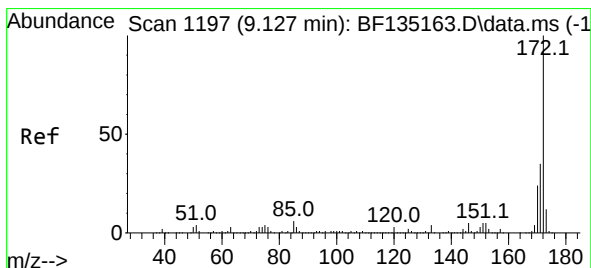
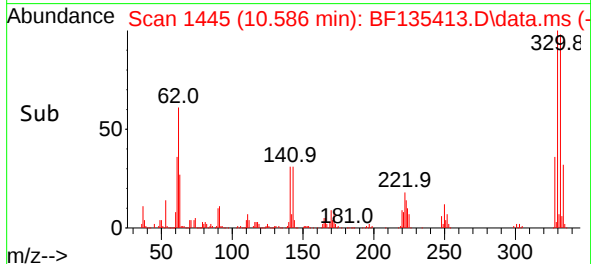
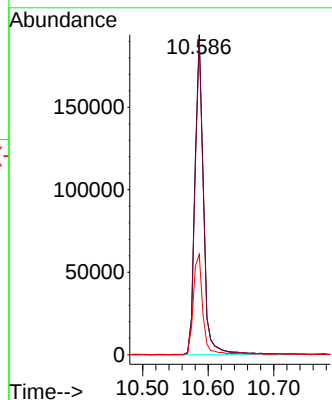
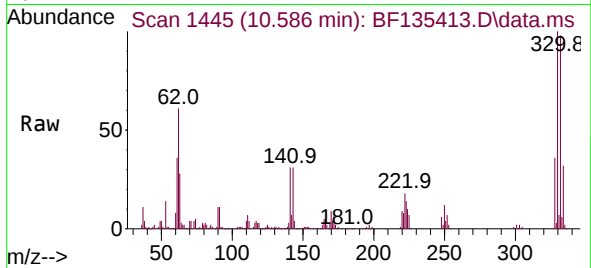




#42
2,4,6-Tribromophenol
Concen: 66.378 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF135413.D
Acq: 22 Sep 2023 22:19

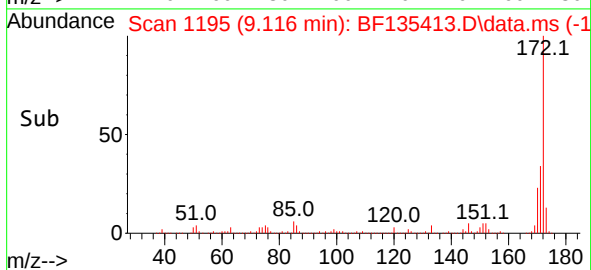
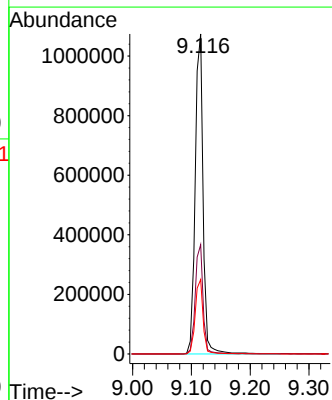
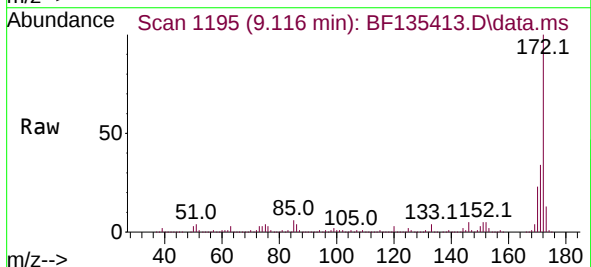
Instrument :
BNA_F
ClientSampleId :
B102-04

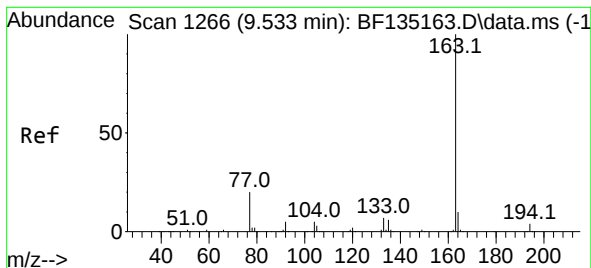
Tgt Ion:330 Resp: 177634
Ion Ratio Lower Upper
330 100
332 97.4 77.3 115.9
141 34.5 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 56.422 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF135413.D
Acq: 22 Sep 2023 22:19

Tgt Ion:172 Resp: 1007072
Ion Ratio Lower Upper
172 100
171 34.2 28.4 42.6
170 23.2 19.0 28.4





#50

Dimethylphthalate

Concen: 2.806 ng

RT: 9.792 min Scan# 1310

Delta R.T. 0.259 min

Lab File: BF135413.D

Acq: 22 Sep 2023 22:19

Instrument :

BNA_F

ClientSampleId :

B102-04

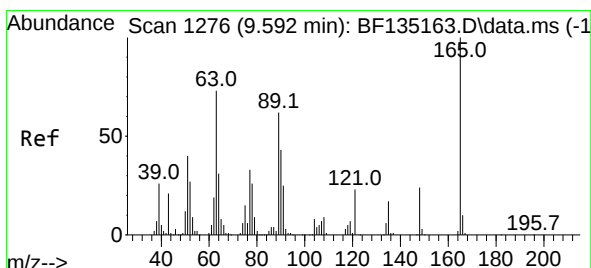
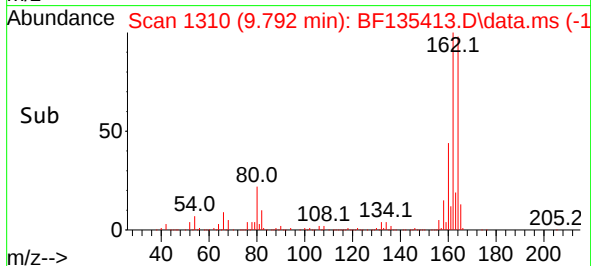
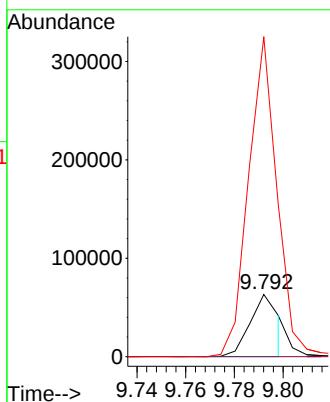
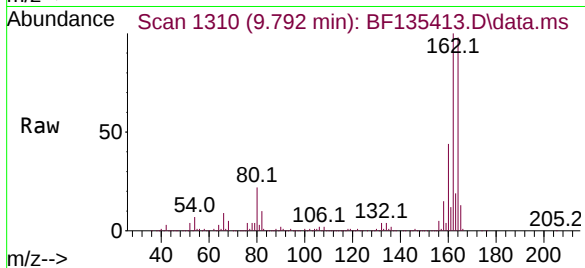
Tgt Ion:163 Resp: 51089

Ion Ratio Lower Upper

163 100

194 0.0 3.1 4.7#

164 514.0 8.1 12.1#



#51

2,6-Dinitrotoluene

Concen: 8.822 ng

RT: 9.792 min Scan# 1310

Delta R.T. 0.200 min

Lab File: BF135413.D

Acq: 22 Sep 2023 22:19

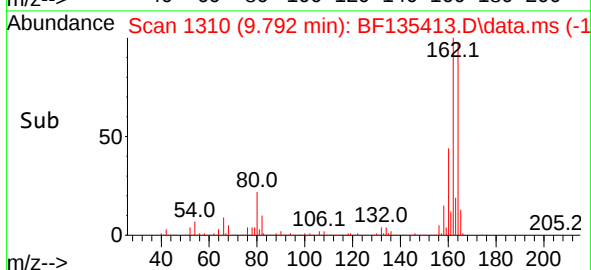
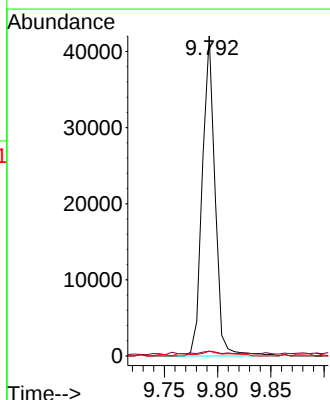
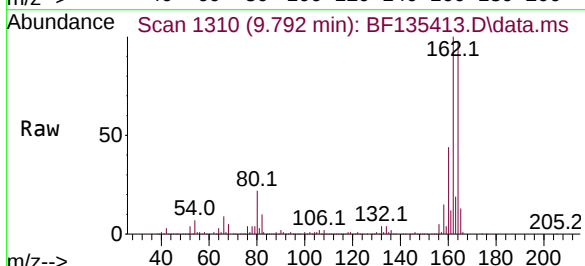
Tgt Ion:165 Resp: 35187

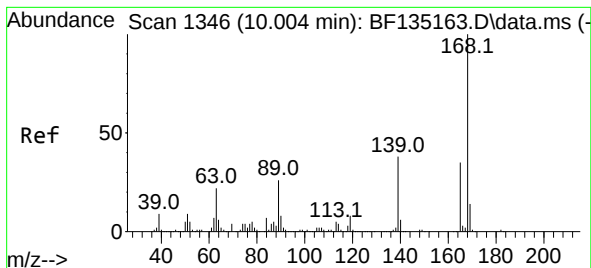
Ion Ratio Lower Upper

165 100

63 1.5 59.4 89.2#

89 1.5 49.8 74.8#

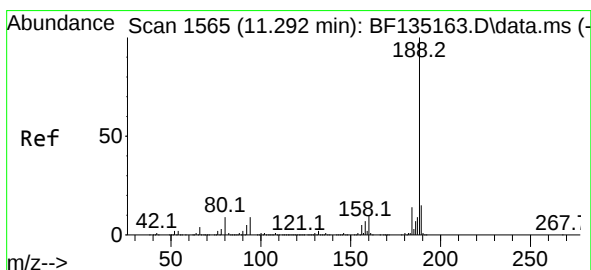
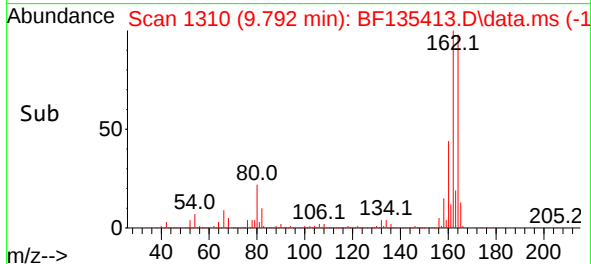
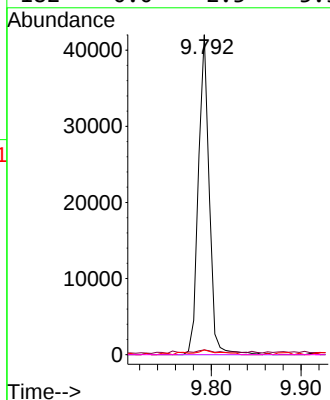
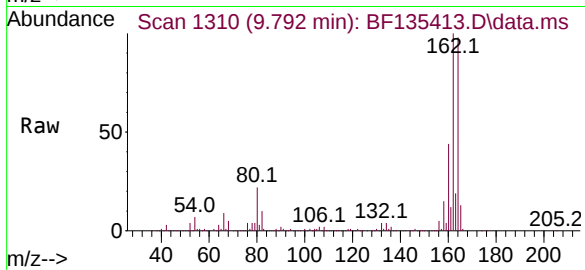




#57
2,4-Dinitrotoluene
Concen: 7.061 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF135413.D
Acq: 22 Sep 2023 22:19

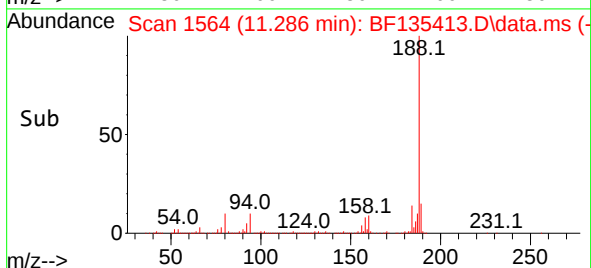
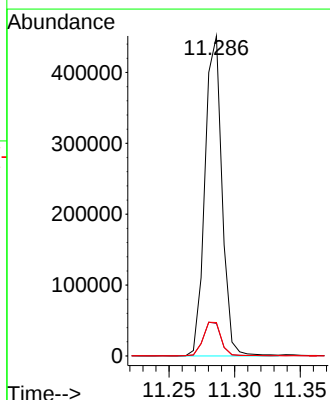
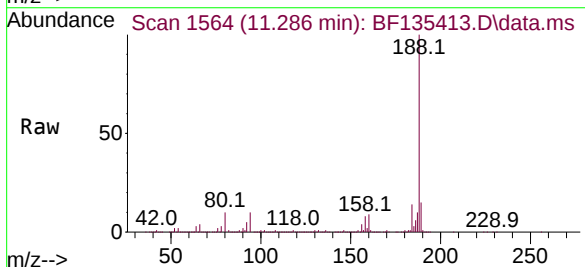
Instrument :
BNA_F
ClientSampleId :
B102-04

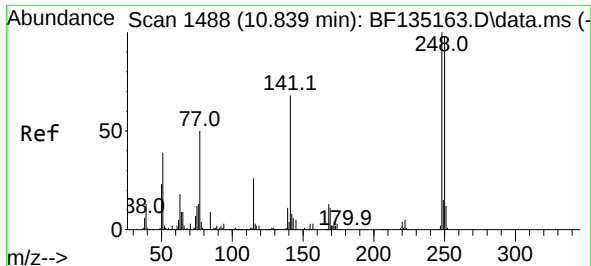
Tgt Ion:165 Resp: 35256
Ion Ratio Lower Upper
165 100
63 1.5 50.1 75.1#
89 1.5 59.3 88.9#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF135413.D
Acq: 22 Sep 2023 22:19

Tgt Ion:188 Resp: 410106
Ion Ratio Lower Upper
188 100
94 10.2 7.0 10.6
80 10.5 7.5 11.3





#67

4-Bromophenyl-phenylether

Concen: 2.820 ng

RT: 10.586 min Scan# 1445

Delta R.T. -0.253 min

Lab File: BF135413.D

Acq: 22 Sep 2023 22:19

Instrument :

BNA_F

ClientSampleId :

B102-04

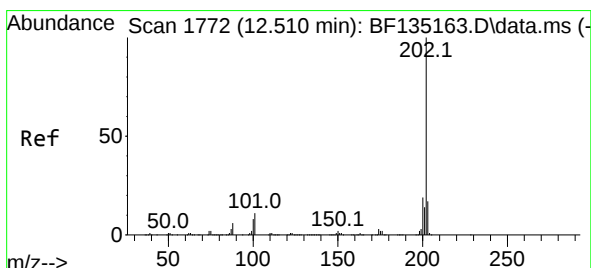
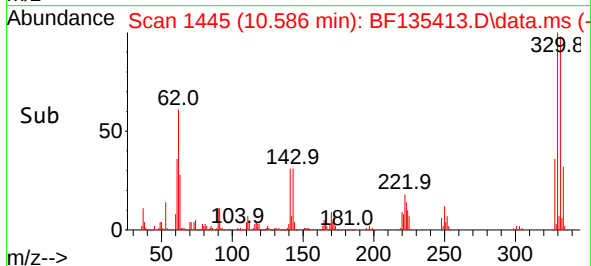
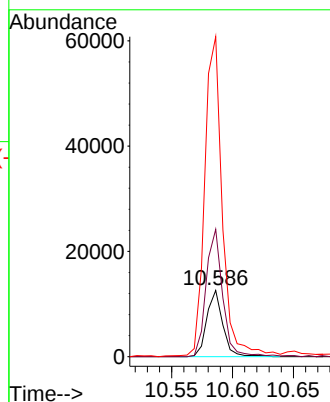
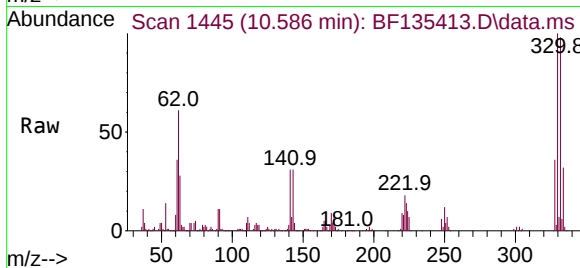
Tgt Ion:248 Resp: 11502

Ion Ratio Lower Upper

248 100

250 192.2 78.6 117.8#

141 482.8 54.2 81.2#



#75

Fluoranthene

Concen: 3.244 ng

RT: 12.504 min Scan# 1771

Delta R.T. -0.006 min

Lab File: BF135413.D

Acq: 22 Sep 2023 22:19

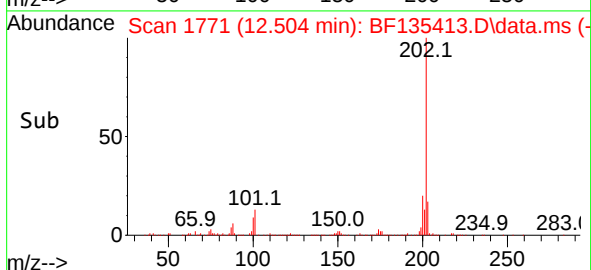
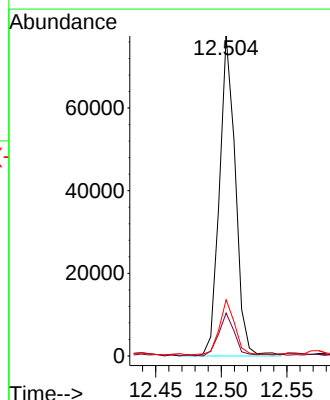
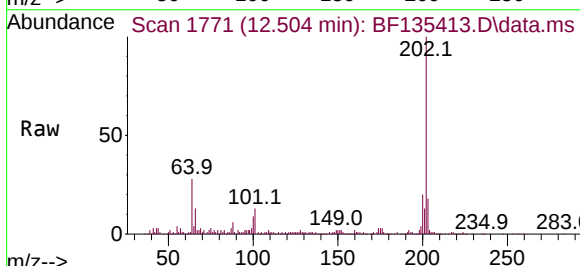
Tgt Ion:202 Resp: 65568

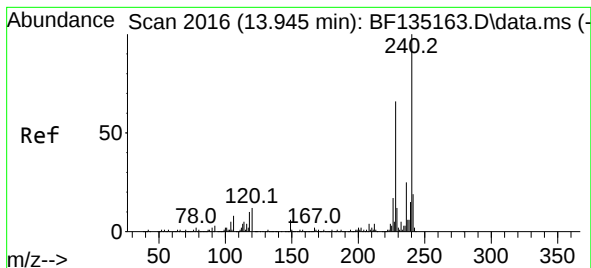
Ion Ratio Lower Upper

202 100

101 13.4 0.0 31.3

203 17.6 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135413.D

Acq: 22 Sep 2023 22:19

Instrument :

BNA_F

ClientSampleId :

B102-04

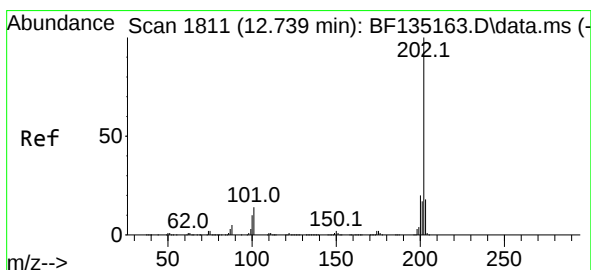
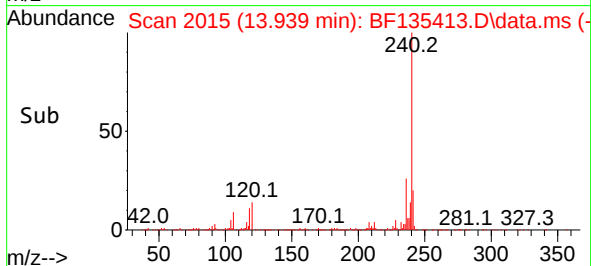
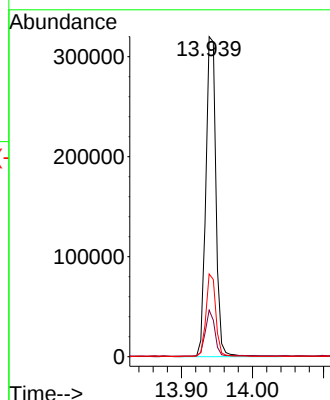
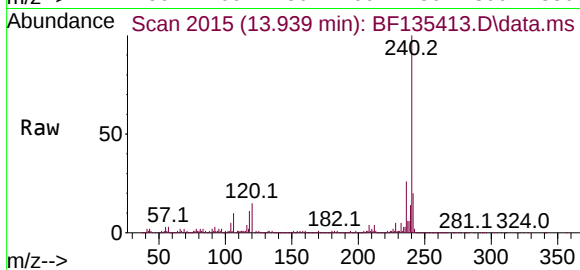
Tgt Ion:240 Resp: 318544

Ion Ratio Lower Upper

240 100

120 14.6 9.4 14.2#

236 25.9 19.8 29.8



#78

Pyrene

Concen: 2.201 ng

RT: 12.733 min Scan# 1810

Delta R.T. -0.006 min

Lab File: BF135413.D

Acq: 22 Sep 2023 22:19

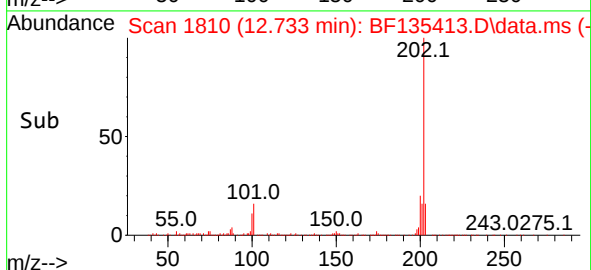
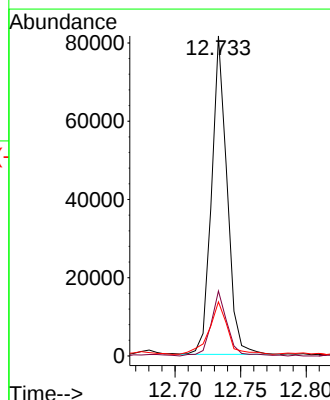
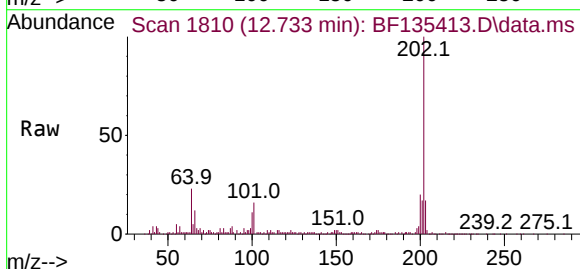
Tgt Ion:202 Resp: 66752

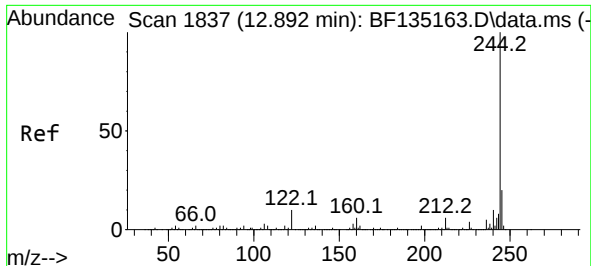
Ion Ratio Lower Upper

202 100

200 20.3 16.2 24.2

203 16.9 14.2 21.4

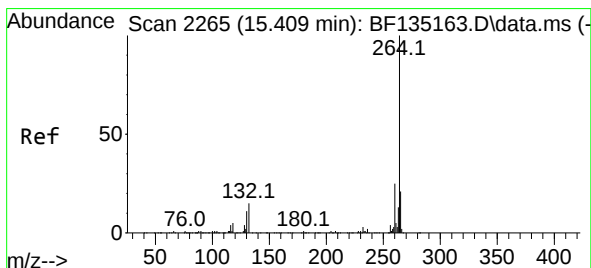
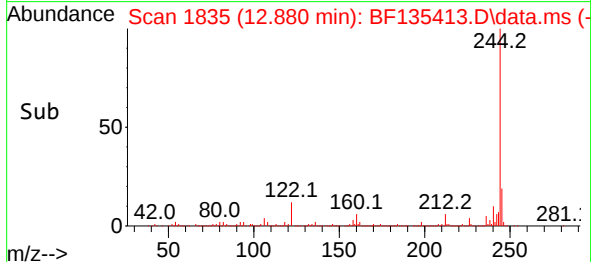
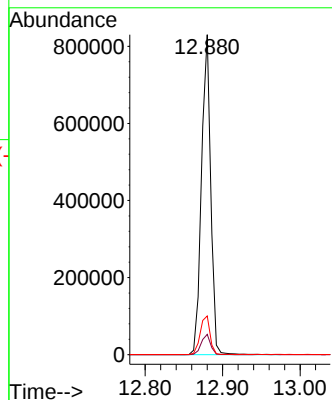
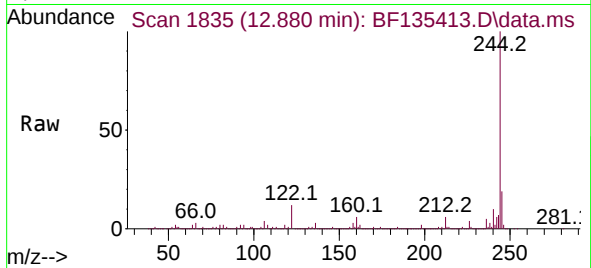




#79
 Terphenyl-d14
 Concen: 33.396 ng
 RT: 12.880 min Scan# 1835
 Delta R.T. -0.012 min
 Lab File: BF135413.D
 Acq: 22 Sep 2023 22:19

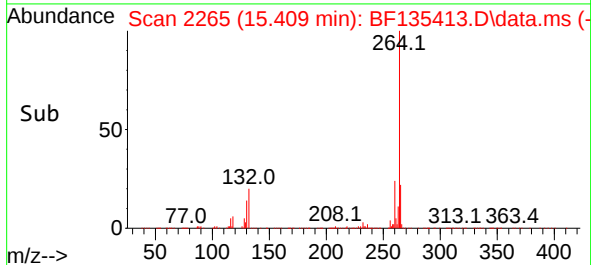
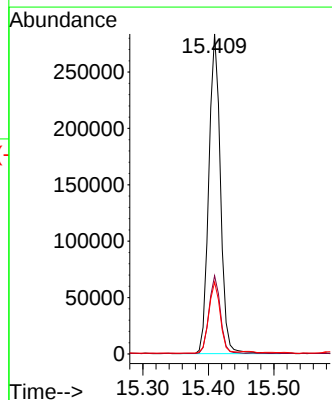
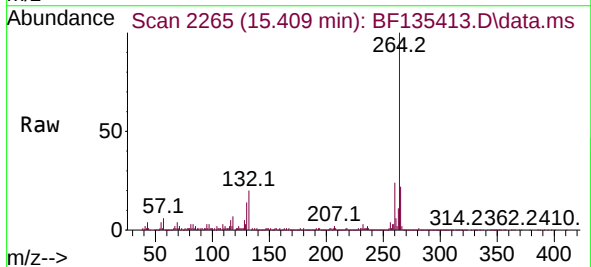
Instrument :
 BNA_F
 ClientSampleId :
 B102-04

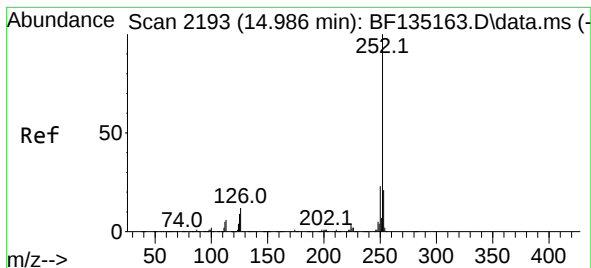
Tgt Ion:244 Resp: 686236
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.1 7.7
 122 12.1 7.9 11.9#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.409 min Scan# 2265
 Delta R.T. 0.000 min
 Lab File: BF135413.D
 Acq: 22 Sep 2023 22:19

Tgt Ion:264 Resp: 350308
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.8 29.6
 265 22.4 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 4.175 ng

RT: 14.986 min Scan# 2193

Delta R.T. 0.000 min

Lab File: BF135413.D

Acq: 22 Sep 2023 22:19

Instrument :

BNA_F

ClientSampleId :

B102-04

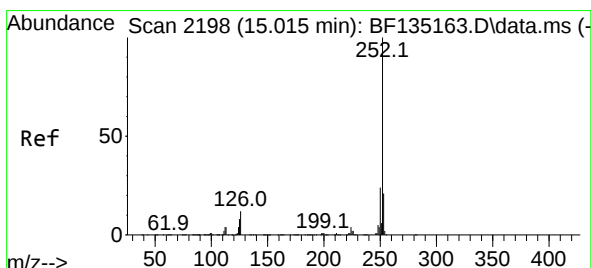
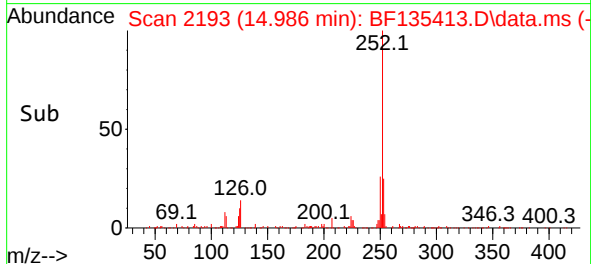
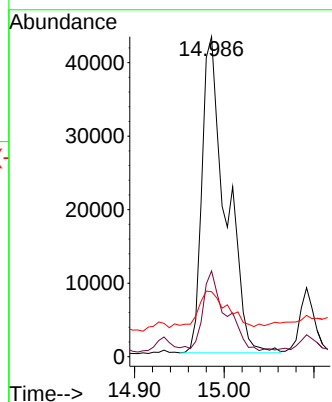
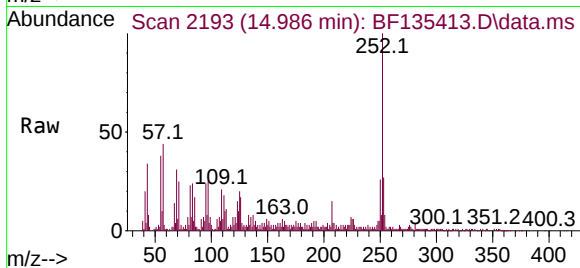
Tgt Ion:252 Resp: 79180

Ion Ratio Lower Upper

252 100

253 26.8 17.2 25.8#

125 20.3 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 4.227 ng

RT: 14.986 min Scan# 2193

Delta R.T. -0.029 min

Lab File: BF135413.D

Acq: 22 Sep 2023 22:19

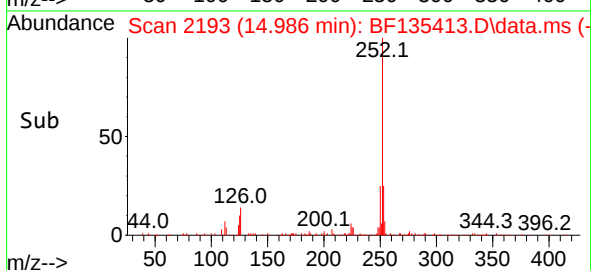
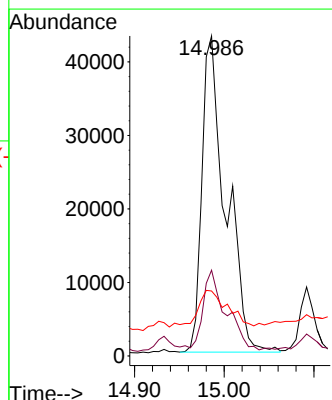
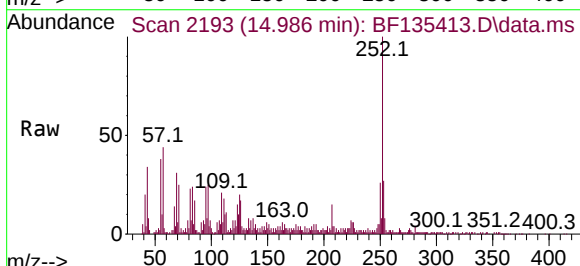
Tgt Ion:252 Resp: 79180

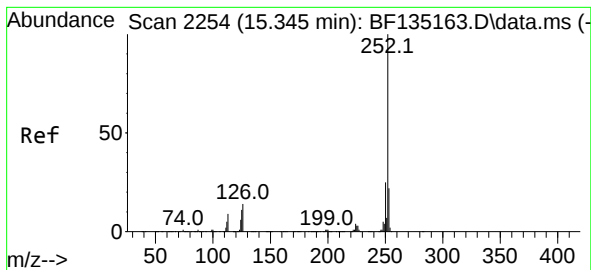
Ion Ratio Lower Upper

252 100

253 26.8 17.4 26.0#

125 20.3 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 2.193 ng

RT: 15.345 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135413.D

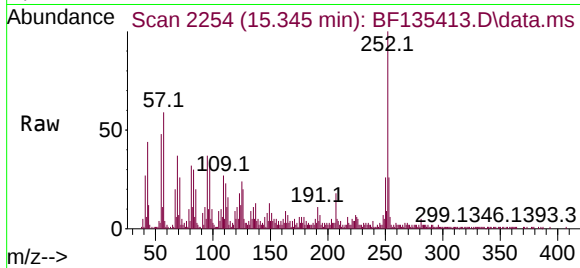
Acq: 22 Sep 2023 22:19

Instrument :

BNA_F

ClientSampleId :

B102-04



Tgt Ion:252 Resp: 39665

Ion Ratio Lower Upper

252 100

253 26.1 17.5 26.3

125 23.6 9.2 13.8#

