

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
 Data File : BF135382.D
 Acq On : 21 Sep 2023 16:06
 Operator : CG\JU
 Sample : 04407-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 306-TP-1-2-CS-1

Quant Time: Sep 22 05:57:19 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)

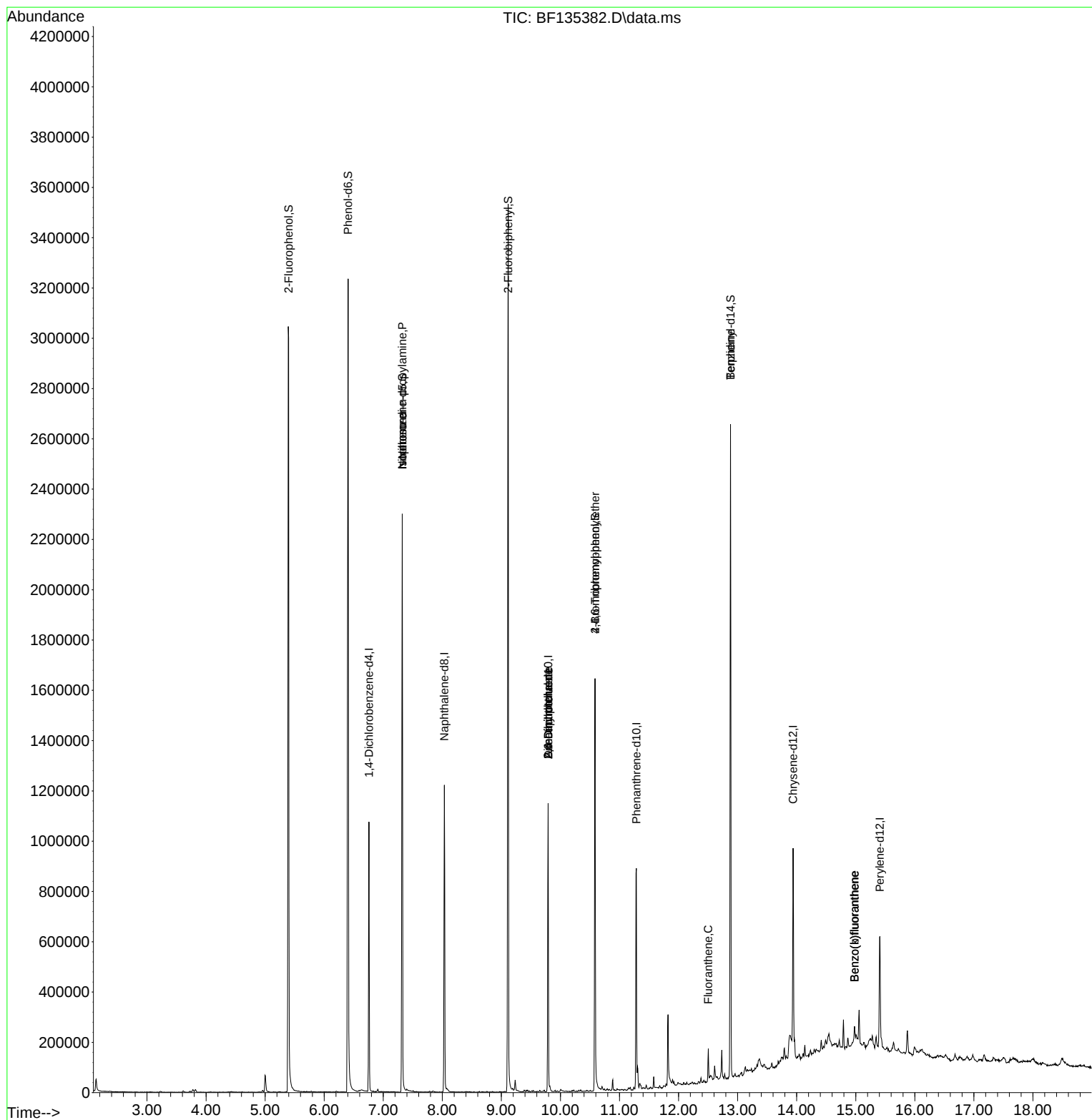
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	143162	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	530421	20.000	ng	#-0.01
39) Acenaphthene-d10	9.792	164	221893	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	346617	20.000	ng	0.00
76) Chrysene-d12	13.939	240	263267	20.000	ng	0.00
86) Perylene-d12	15.410	264	218411	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	918184	104.314	ng	0.01
7) Phenol-d6	6.404	99	1150720	102.812	ng	0.00
23) Nitrobenzene-d5	7.322	82	716731	73.413	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	182352	82.696	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	1137414	77.336	ng	-0.01
79) Terphenyl-d14	12.880	244	925381	54.489	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.322	70	93284	13.456	ng	# 82
25) Isophorone	7.322	82	716726	39.979	ng	# 65
50) Dimethylphthalate	9.792	163	43704	2.913	ng	# 1
51) 2,6-Dinitrotoluene	9.792	165	29105	8.856	ng	# 17
57) 2,4-Dinitrotoluene	9.792	165	29105	7.074	ng	# 18
67) 4-Bromophenyl-phenylether	10.586	248	12255	3.555	ng	# 1
75) Fluoranthene	12.504	202	50878	2.978	ng	100
77) Benzidine	12.880	184	12530	2.323	ng	# 96
88) Benzo(b)fluoranthene	14.980	252	39038	3.302	ng	# 91
89) Benzo(k)fluoranthene	14.980	252	39038	3.342	ng	# 91

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

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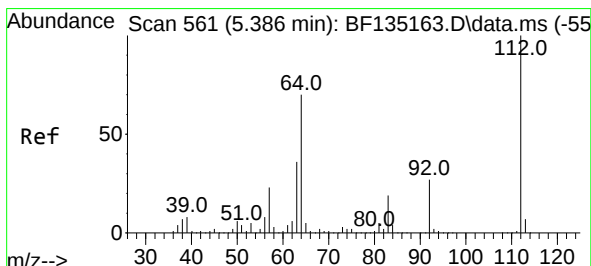
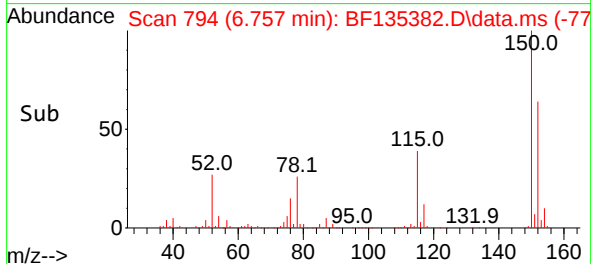
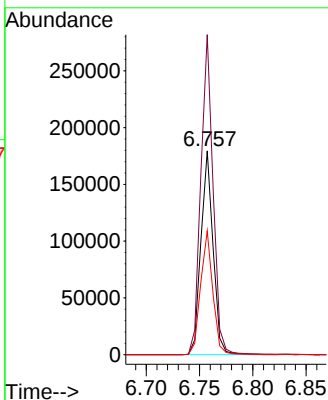
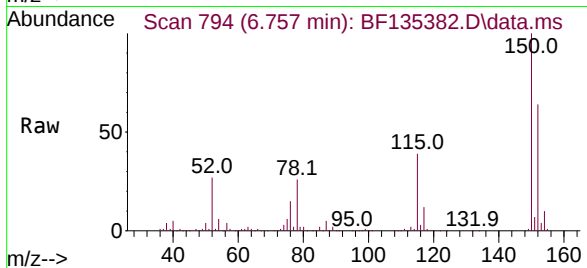




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135382.D
Acq: 21 Sep 2023 16:06

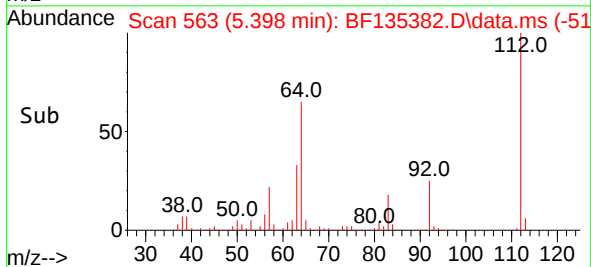
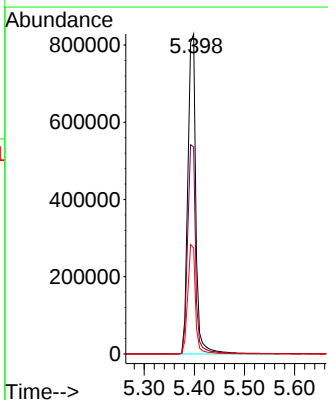
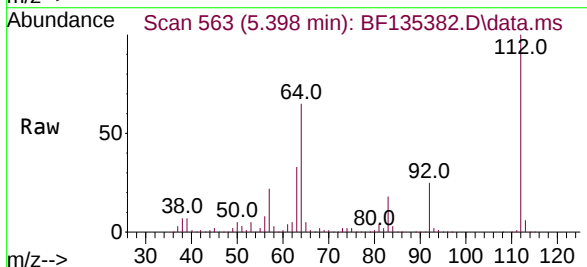
Instrument :
BNA_F
ClientSampleId :
306-TP-1-2-CS-1

Tgt Ion:152 Resp: 143162
Ion Ratio Lower Upper
152 100
150 156.9 127.8 191.6
115 60.7 49.8 74.8



#5
2-Fluorophenol
Concen: 104.314 ng
RT: 5.398 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF135382.D
Acq: 21 Sep 2023 16:06

Tgt Ion:112 Resp: 918184
Ion Ratio Lower Upper
112 100
64 64.7 55.9 83.9
63 33.1 29.0 43.6

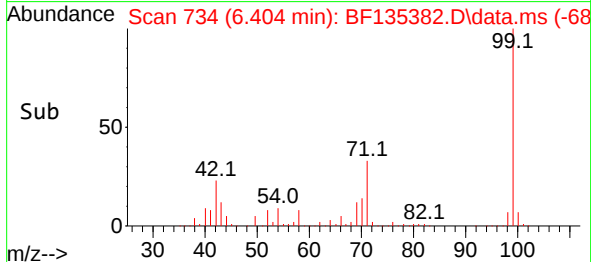
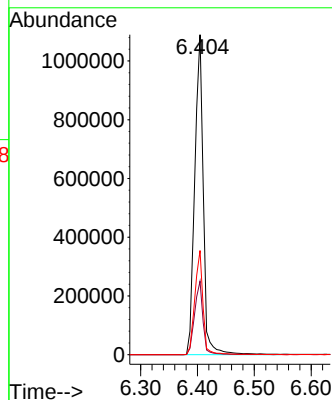
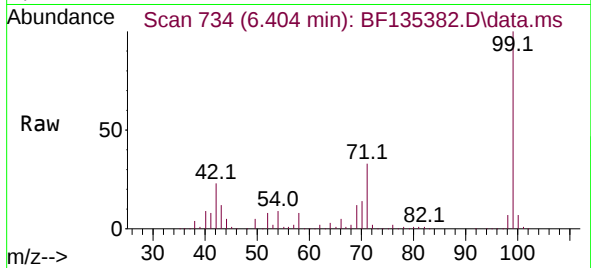




#7
Phenol-d6
Concen: 102.812 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135382.D
Acq: 21 Sep 2023 16:06

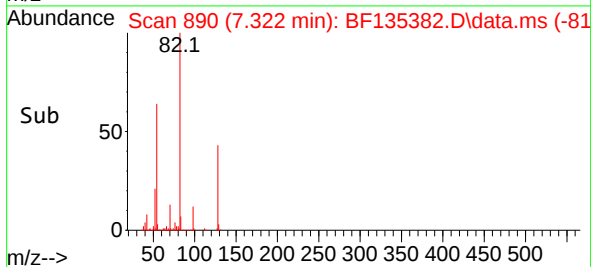
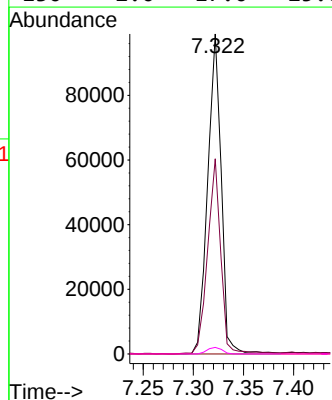
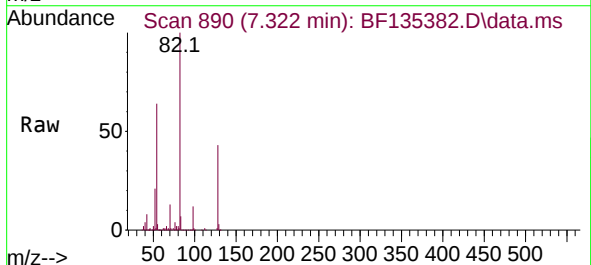
Instrument :
BNA_F
ClientSampleId :
306-TP-1-2-CS-1

Tgt Ion: 99 Resp: 1150720
Ion Ratio Lower Upper
99 100
42 23.0 17.9 26.9
71 32.6 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 13.456 ng
RT: 7.322 min Scan# 890
Delta R.T. 0.135 min
Lab File: BF135382.D
Acq: 21 Sep 2023 16:06

Tgt Ion: 70 Resp: 93284
Ion Ratio Lower Upper
70 100
42 61.0 55.4 83.0
101 0.0 7.7 11.5#
130 2.0 17.0 25.6#

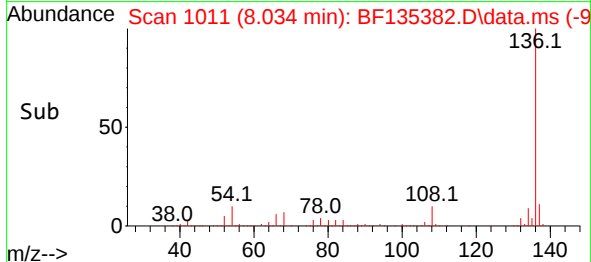
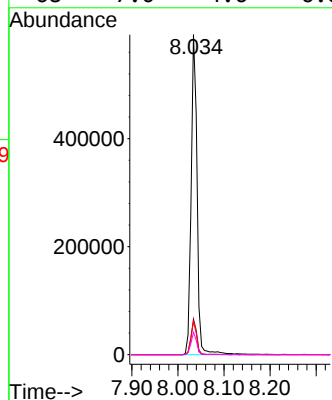
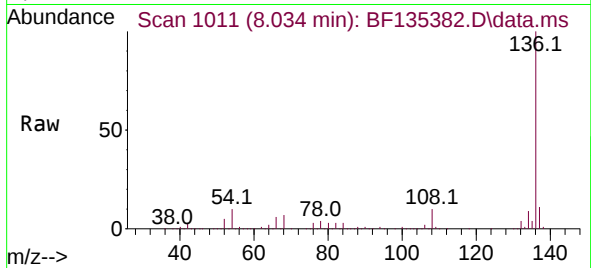




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1013
Delta R.T. -0.012 min
Lab File: BF135382.D
Acq: 21 Sep 2023 16:06

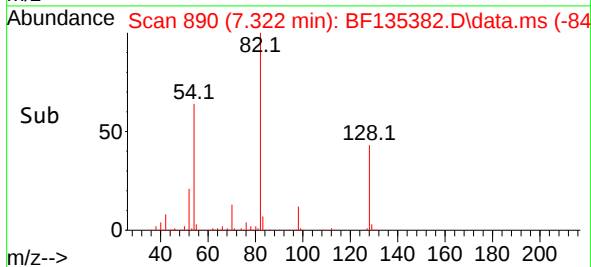
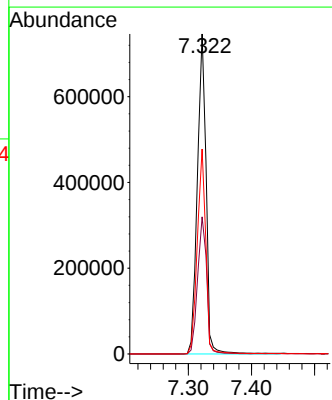
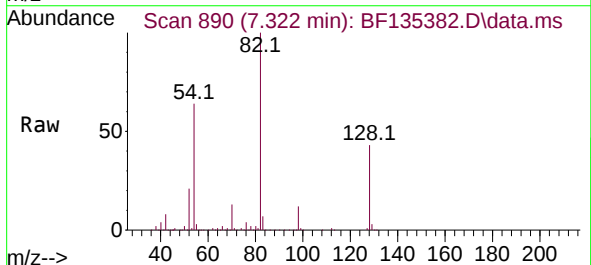
Instrument :
BNA_F
ClientSampleId :
306-TP-1-2-CS-1

Tgt Ion:136 Resp: 530421
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 10.3 7.7 11.5
68 7.0 4.6 6.8#



#23
Nitrobenzene-d5
Concen: 73.413 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF135382.D
Acq: 21 Sep 2023 16:06

Tgt Ion: 82 Resp: 716731
Ion Ratio Lower Upper
82 100
128 42.9 35.8 53.6
54 64.0 50.6 76.0

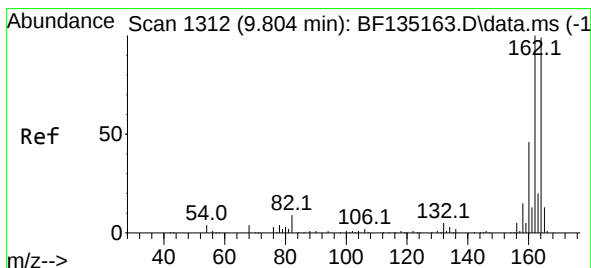
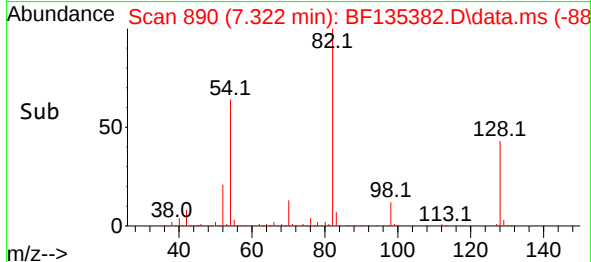
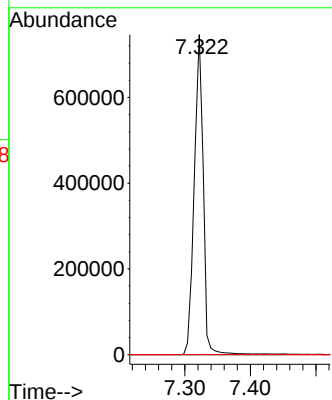
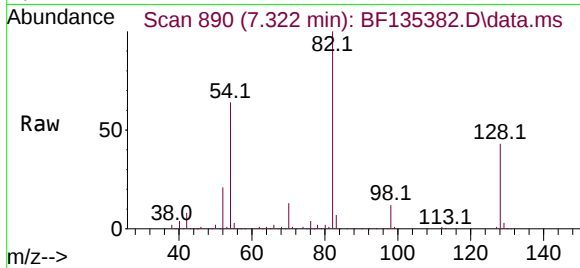




#25
Isophorone
Concen: 39.979 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF135382.D
Acq: 21 Sep 2023 16:06

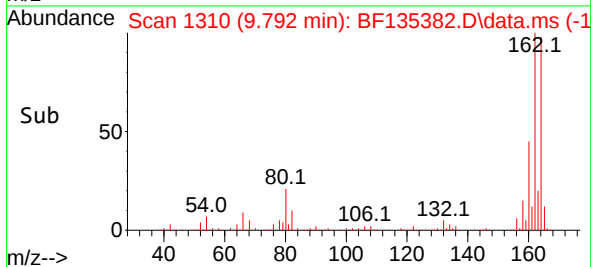
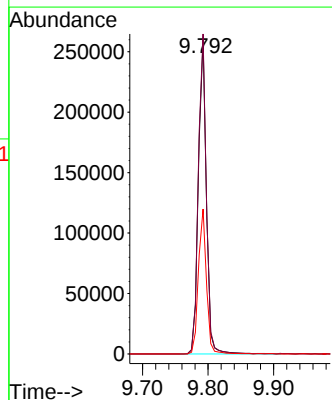
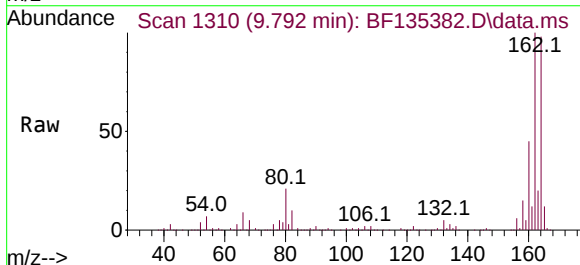
Instrument :
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ClientSampleId :
306-TP-1-2-CS-1

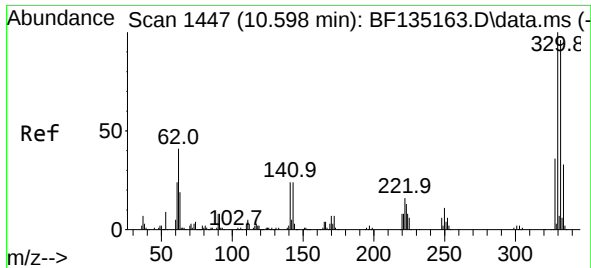
Tgt Ion: 82 Resp: 716726
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF135382.D
Acq: 21 Sep 2023 16:06

Tgt Ion: 164 Resp: 221893
Ion Ratio Lower Upper
164 100
162 101.8 81.0 121.4
160 46.1 37.0 55.4

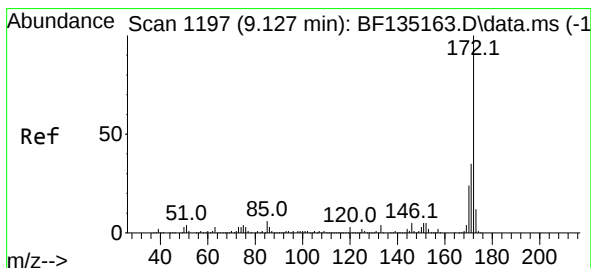
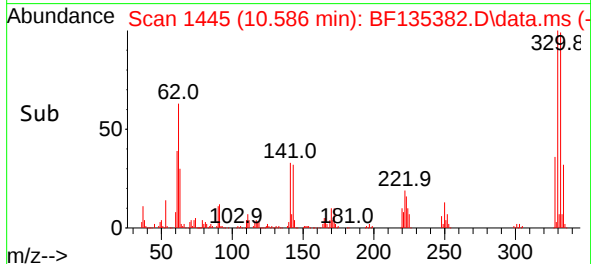
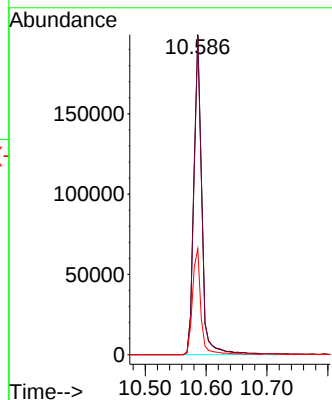
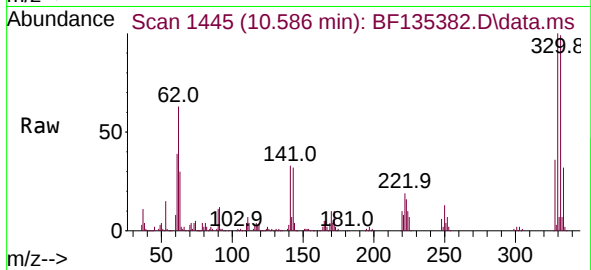




#42
2,4,6-Tribromophenol
Concen: 82.696 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF135382.D
Acq: 21 Sep 2023 16:06

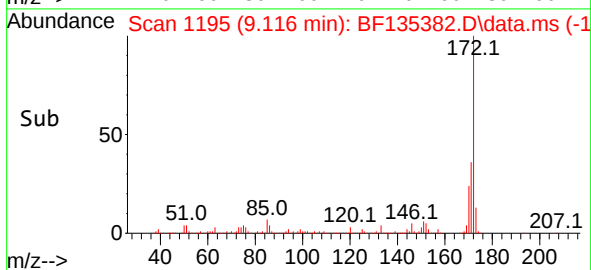
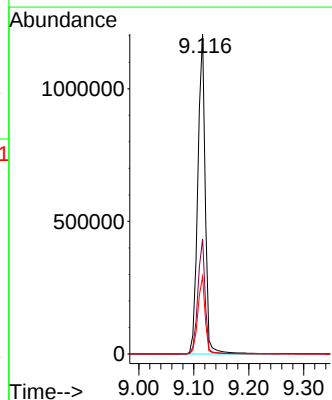
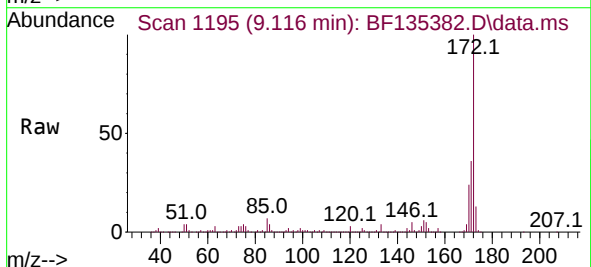
Instrument :
BNA_F
ClientSampleId :
306-TP-1-2-CS-1

Tgt Ion:330 Resp: 182352
Ion Ratio Lower Upper
330 100
332 98.0 77.3 115.9
141 35.1 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 77.336 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF135382.D
Acq: 21 Sep 2023 16:06

Tgt Ion:172 Resp: 1137414
Ion Ratio Lower Upper
172 100
171 35.9 28.4 42.6
170 24.1 19.0 28.4

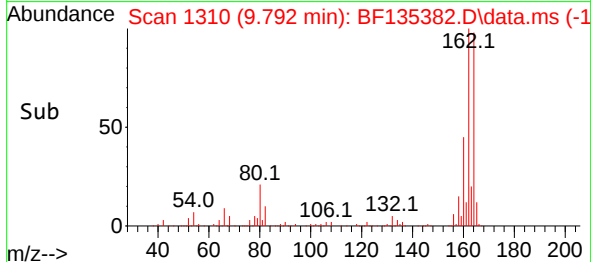
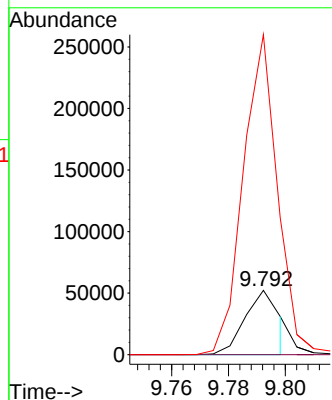
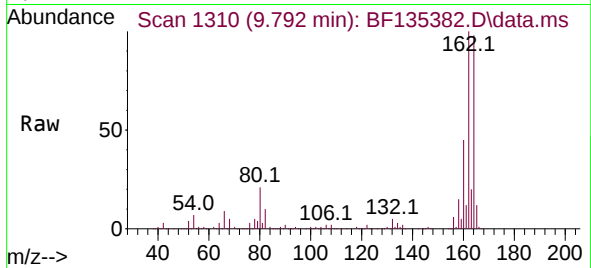




#50
Dimethylphthalate
Concen: 2.913 ng
RT: 9.792 min Scan# 11
Delta R.T. 0.259 min
Lab File: BF135382.D
Acq: 21 Sep 2023 16:06

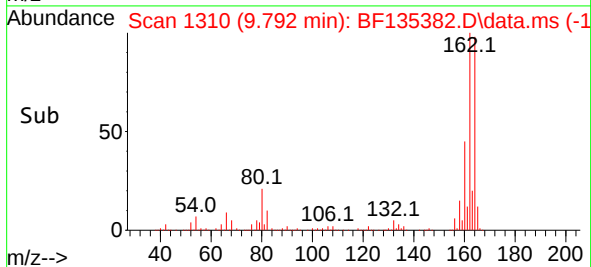
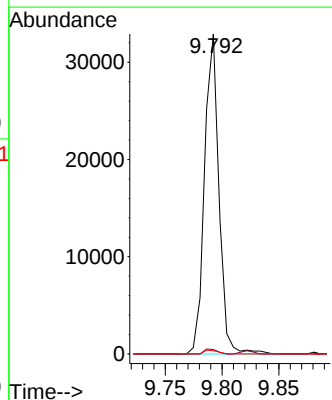
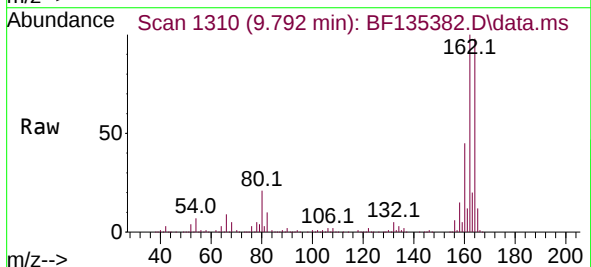
Instrument :
BNA_F
ClientSampleId :
306-TP-1-2-CS-1

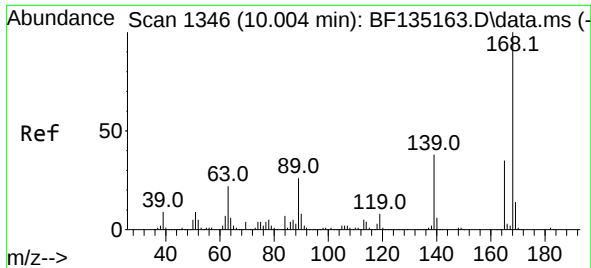
Tgt Ion:163 Resp: 43704
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 497.8 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.856 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.200 min
Lab File: BF135382.D
Acq: 21 Sep 2023 16:06

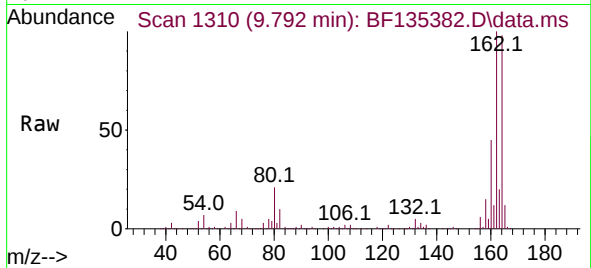
Tgt Ion:165 Resp: 29105
Ion Ratio Lower Upper
165 100
63 1.4 59.4 89.2#
89 1.0 49.8 74.8#



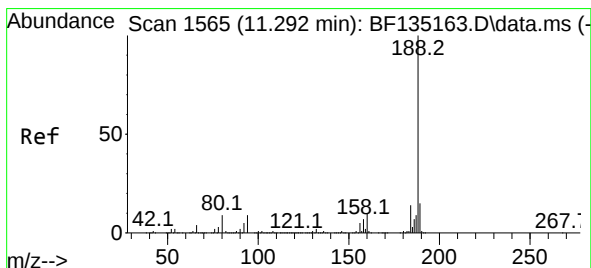
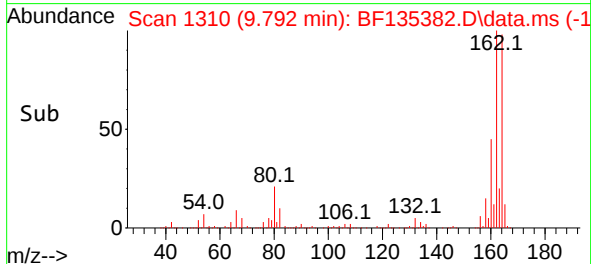
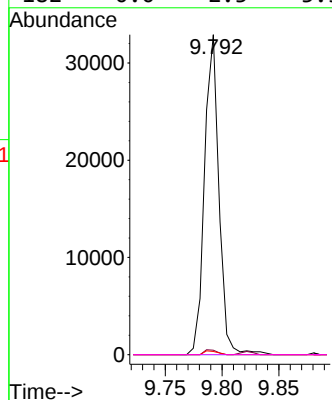


#57
2,4-Dinitrotoluene
Concen: 7.074 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF135382.D
Acq: 21 Sep 2023 16:06

Instrument :
BNA_F
ClientSampleId :
306-TP-1-2-CS-1

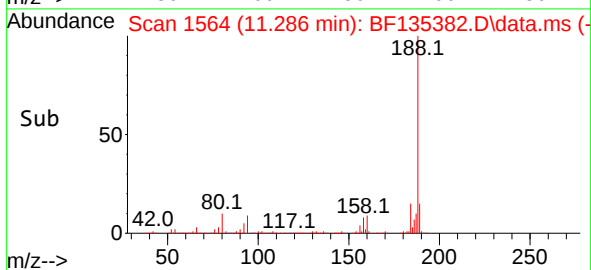
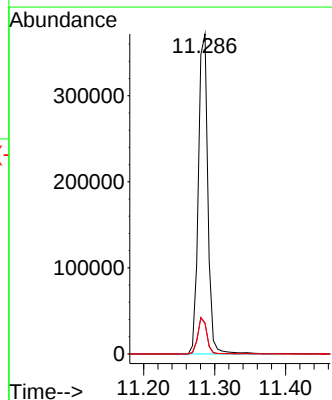
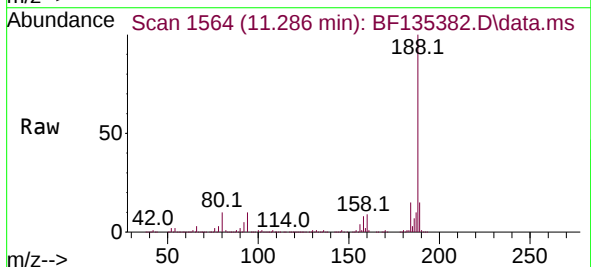


Tgt Ion:165	Resp:	29105	
Ion	Ratio	Lower	Upper
165	100		
63	1.4	50.1	75.1#
89	1.0	59.3	88.9#
182	0.0	2.3	3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF135382.D
Acq: 21 Sep 2023 16:06

Tgt Ion:188	Resp:	346617	
Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.0	10.6
80	9.8	7.5	11.3





#67

4-Bromophenyl-phenylether

Concen: 3.555 ng

RT: 10.586 min Scan# 1488

Delta R.T. -0.253 min

Lab File: BF135382.D

Acq: 21 Sep 2023 16:06

Instrument :

BNA_F

ClientSampleId :

306-TP-1-2-CS-1

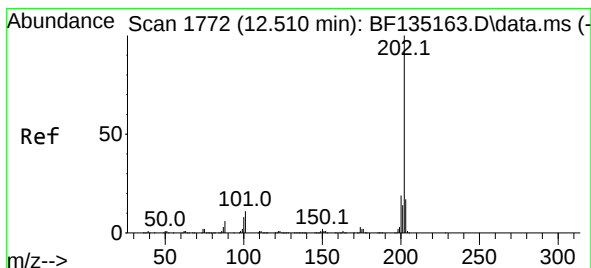
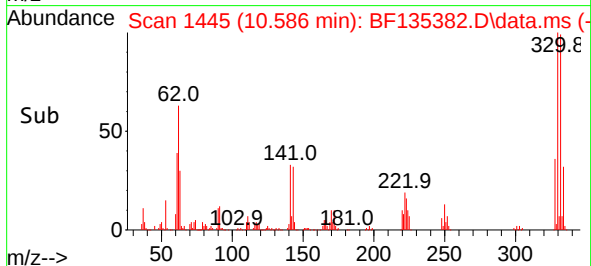
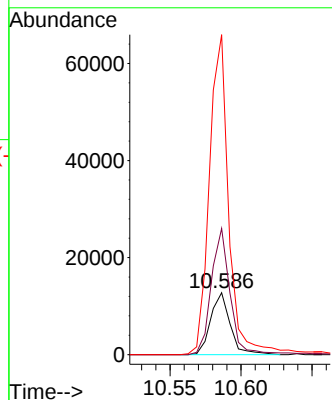
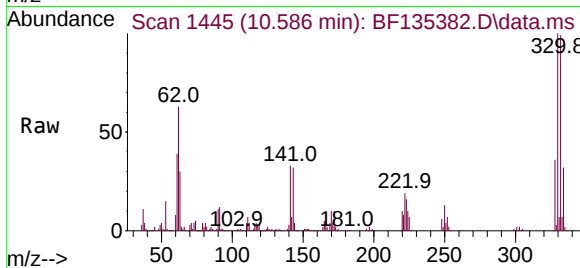
Tgt Ion:248 Resp: 12255

Ion Ratio Lower Upper

248 100

250 204.0 78.6 117.8#

141 516.9 54.2 81.2#



#75

Fluoranthene

Concen: 2.978 ng

RT: 12.504 min Scan# 1771

Delta R.T. -0.006 min

Lab File: BF135382.D

Acq: 21 Sep 2023 16:06

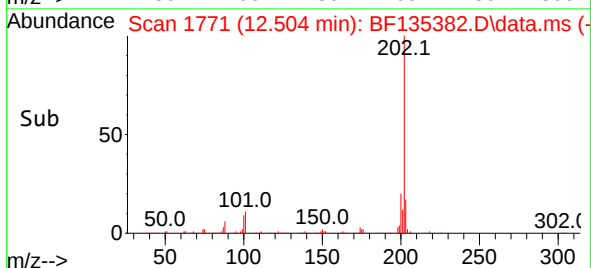
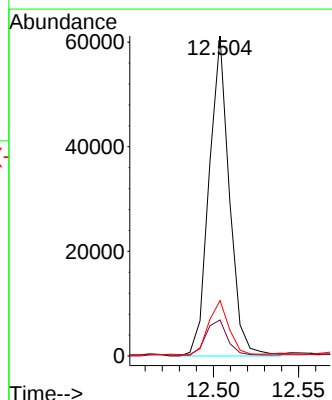
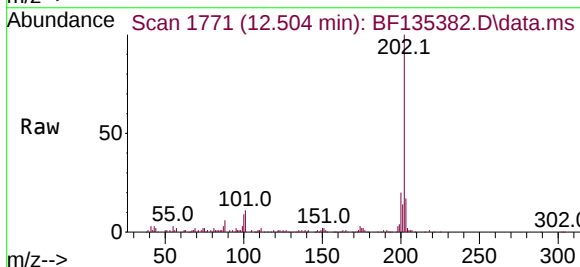
Tgt Ion:202 Resp: 50878

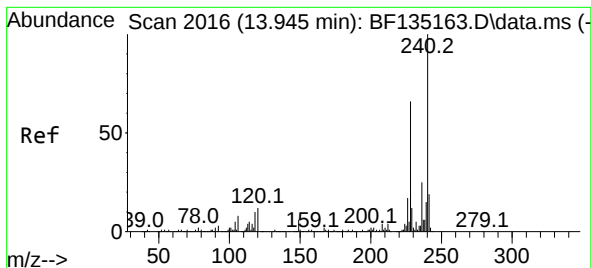
Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.3

203 17.3 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: BF135382.D

Acq: 21 Sep 2023 16:06

Instrument :

BNA_F

ClientSampleId :

306-TP-1-2-CS-1

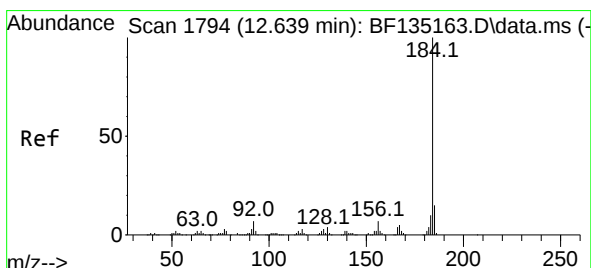
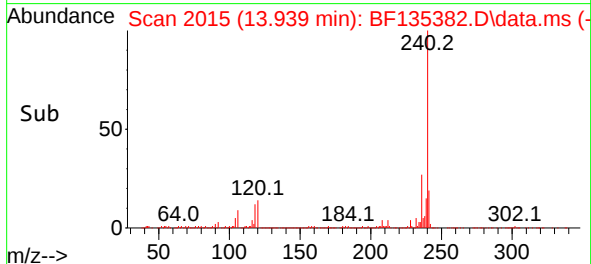
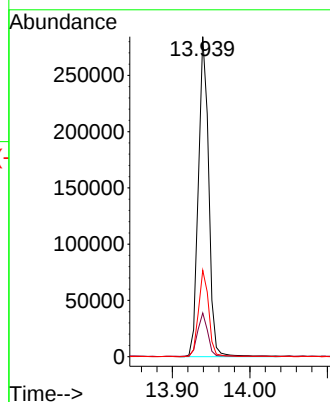
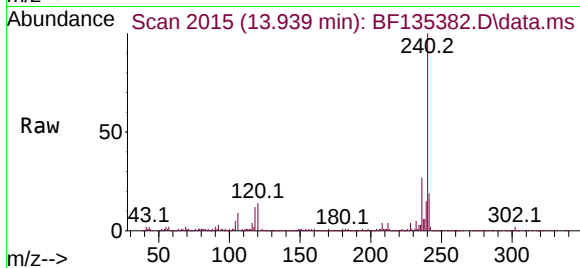
Tgt Ion:240 Resp: 263267

Ion Ratio Lower Upper

240 100

120 13.6 9.4 14.2

236 27.0 19.8 29.8



#77

Benzidine

Concen: 2.323 ng

RT: 12.880 min Scan# 1835

Delta R.T. 0.241 min

Lab File: BF135382.D

Acq: 21 Sep 2023 16:06

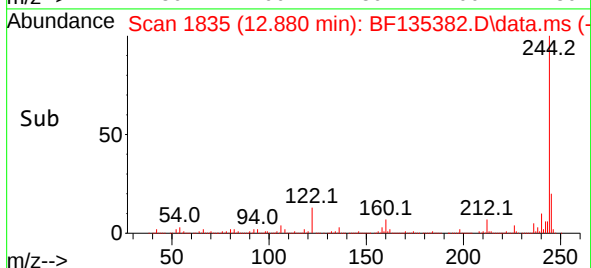
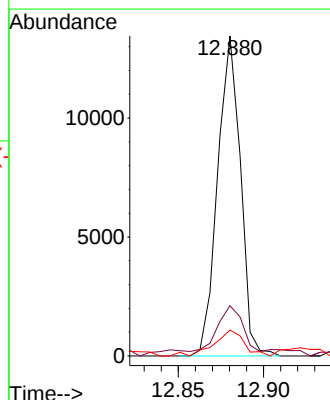
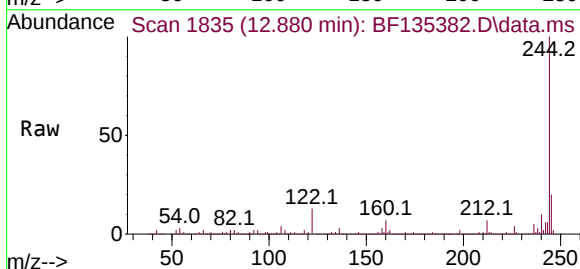
Tgt Ion:184 Resp: 12530

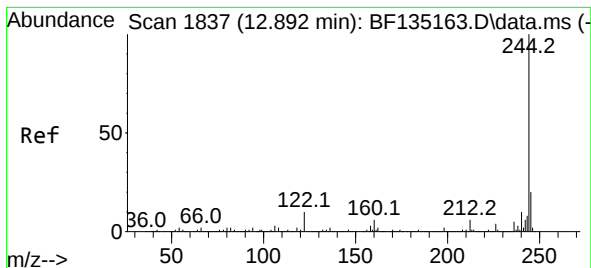
Ion Ratio Lower Upper

184 100

185 15.7 11.7 17.5

183 8.1 8.2 12.4#





#79

Terphenyl-d14

Concen: 54.489 ng

RT: 12.880 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF135382.D

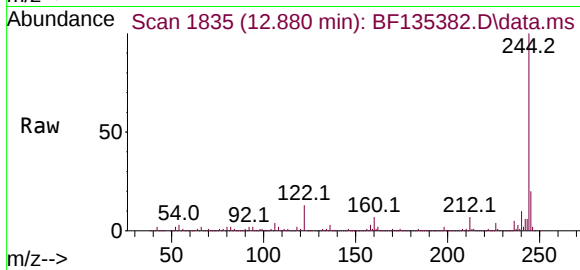
Acq: 21 Sep 2023 16:06

Instrument :

BNA_F

ClientSampleId :

306-TP-1-2-CS-1



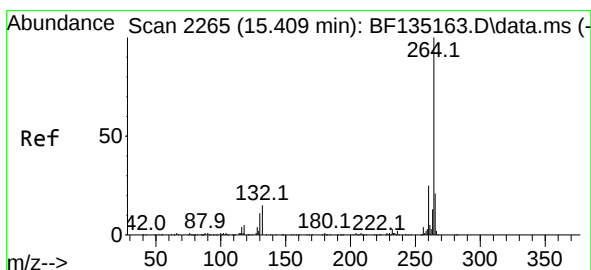
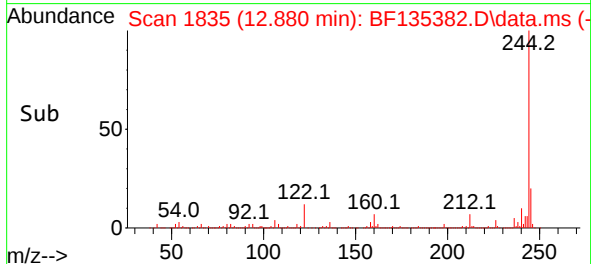
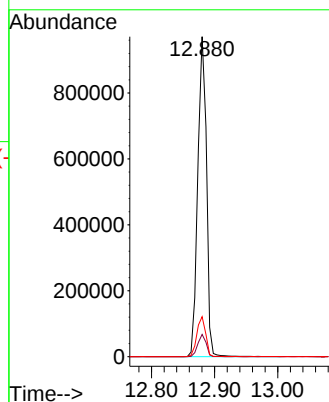
Tgt Ion:244 Resp: 925381

Ion Ratio Lower Upper

244 100

212 7.0 5.1 7.7

122 12.5 7.9 11.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 2265

Delta R.T. 0.000 min

Lab File: BF135382.D

Acq: 21 Sep 2023 16:06

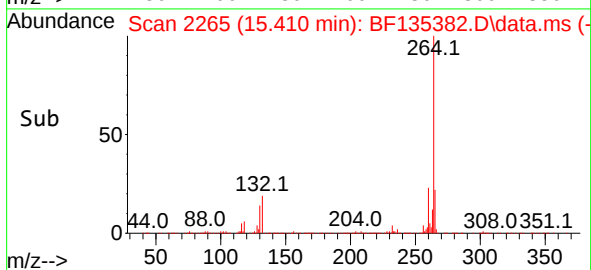
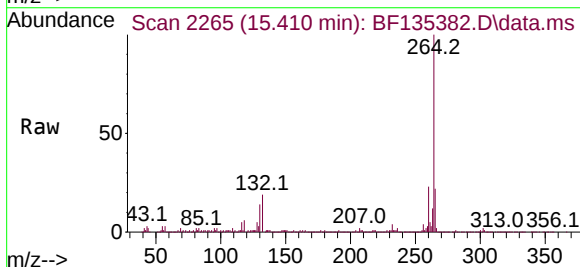
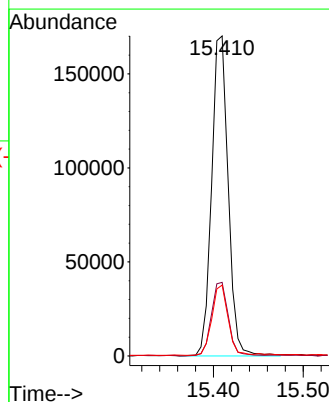
Tgt Ion:264 Resp: 218411

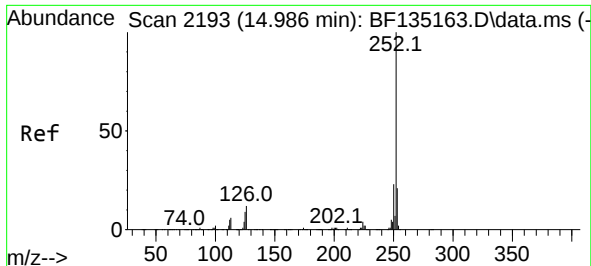
Ion Ratio Lower Upper

264 100

260 23.0 19.8 29.6

265 22.2 17.0 25.4

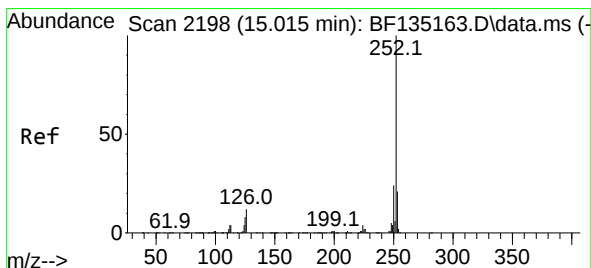
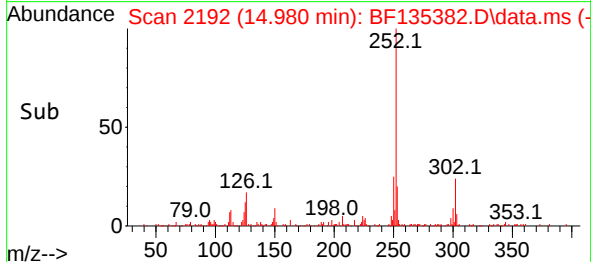
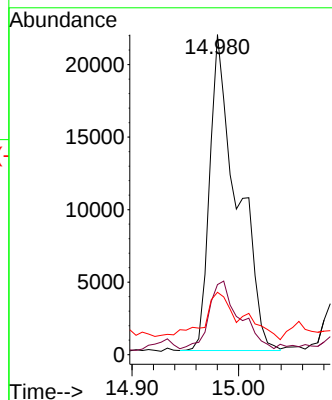
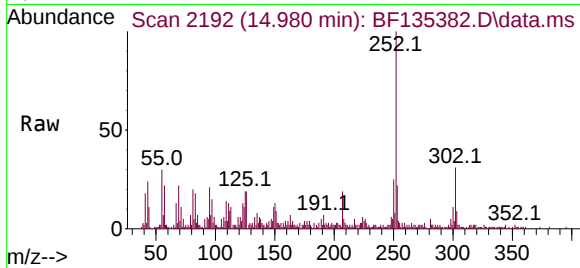




#88
Benzo(b)fluoranthene
Concen: 3.302 ng
RT: 14.980 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF135382.D
Acq: 21 Sep 2023 16:06

Instrument :
BNA_F
ClientSampleId :
306-TP-1-2-CS-1

Tgt Ion:252 Resp: 39038
Ion Ratio Lower Upper
252 100
253 21.9 17.2 25.8
125 19.5 7.1 10.7#



#89
Benzo(k)fluoranthene
Concen: 3.342 ng
RT: 14.980 min Scan# 2192
Delta R.T. -0.035 min
Lab File: BF135382.D
Acq: 21 Sep 2023 16:06

Tgt Ion:252 Resp: 39038
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.0
125 19.5 7.2 10.8#

