

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101223\
 Data File : BF135736.D
 Acq On : 12 Oct 2023 15:57
 Operator : CG\JU
 Sample : 04685-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PP-20230928-B13-7.5-15

Quant Time: Oct 13 00:55:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 02:43:17 2023
 Response via : Initial Calibration

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

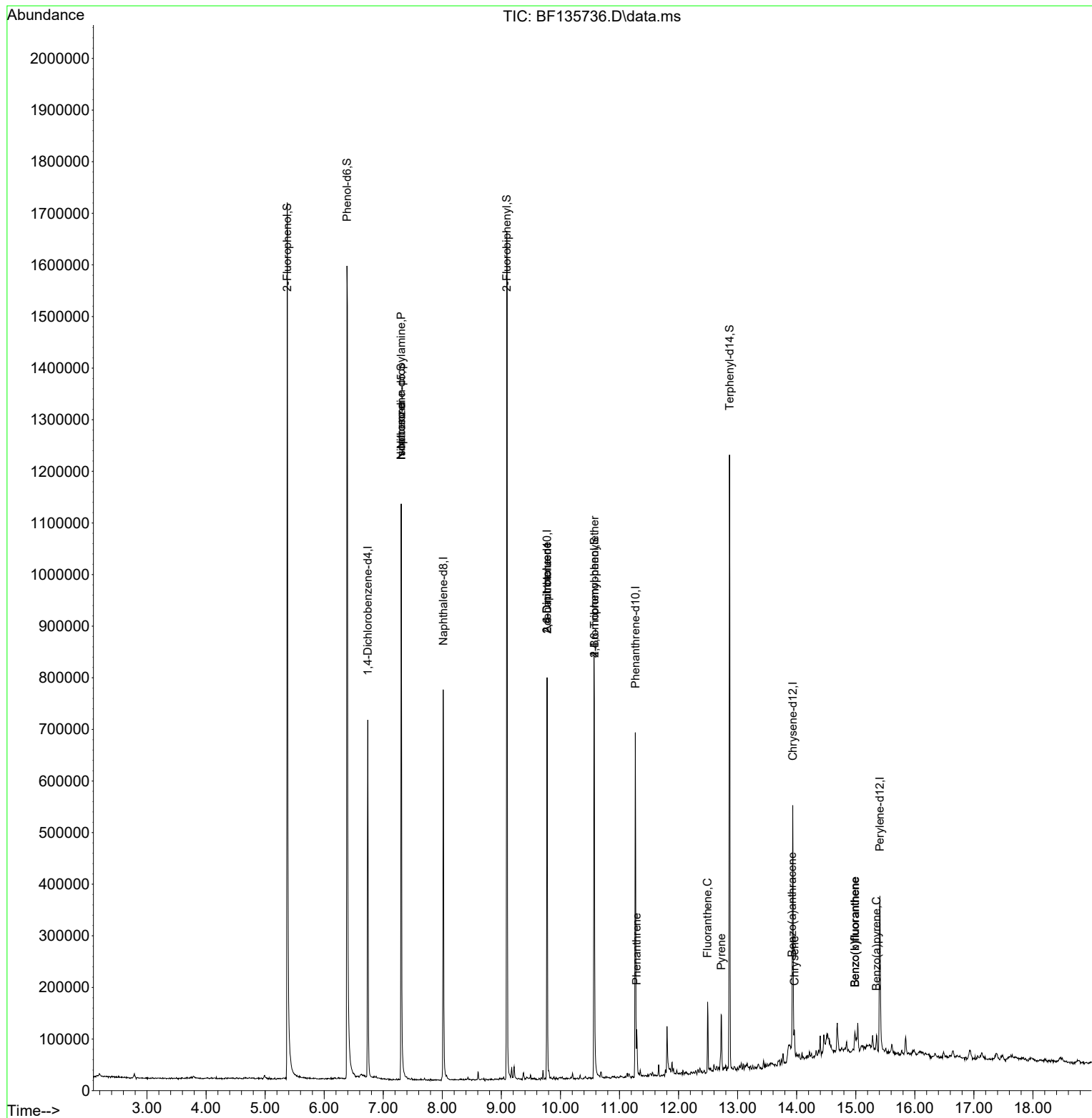
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	98544	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	324867	20.000	ng	0.00
39) Acenaphthene-d10	9.774	164	149196	20.000	ng	0.00
64) Phenanthrene-d10	11.268	188	242981	20.000	ng	0.00
76) Chrysene-d12	13.933	240	155136	20.000	ng	0.00
86) Perylene-d12	15.409	264	152458	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	496165	81.891	ng	0.00
7) Phenol-d6	6.386	99	597440	77.547	ng	0.00
23) Nitrobenzene-d5	7.304	82	327115	54.705	ng	0.00
42) 2,4,6-Tribromophenol	10.574	330	107106	72.240	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	537077	54.311	ng	0.00
79) Terphenyl-d14	12.863	244	418787	41.847	ng	0.00
Target Compounds					Qvalue	
19) n-Nitroso-di-n-propyla...	7.304	70	43966	9.213	ng	# 80
25) Isophorone	7.304	82	327115	29.792	ng	# 65
51) 2,6-Dinitrotoluene	9.774	165	18881	8.544	ng	# 16
57) 2,4-Dinitrotoluene	9.774	165	18881	6.825	ng	# 18
67) 4-Bromophenyl-phenylether	10.574	248	6611	2.736	ng	# 1
71) Phenanthrene	11.292	178	32143	2.797	ng	99
75) Fluoranthene	12.492	202	54222	4.528	ng	99
78) Pyrene	12.721	202	49799	3.372	ng	97
81) Benzo(a)anthracene	13.921	228	20870	2.083	ng	97
83) Chrysene	13.962	228	19989	2.007	ng	98
88) Benzo(b)fluoranthene	14.986	252	29596	3.586	ng	# 92
89) Benzo(k)fluoranthene	14.986	252	29596	3.630	ng	# 92
90) Benzo(a)pyrene	15.351	252	16116	2.048	ng	96

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

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QLast Update : Wed Oct 11 02:43:17 2023
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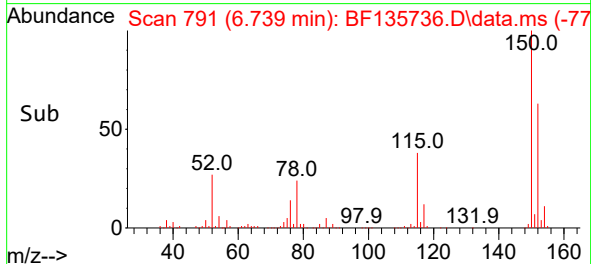
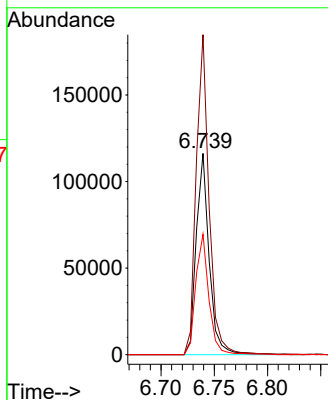
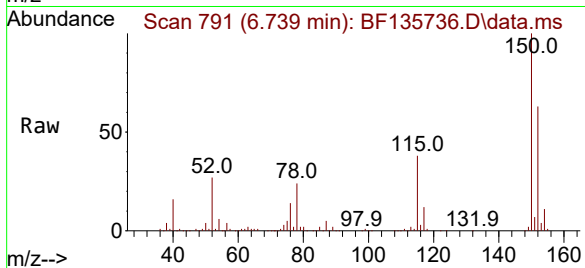




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57

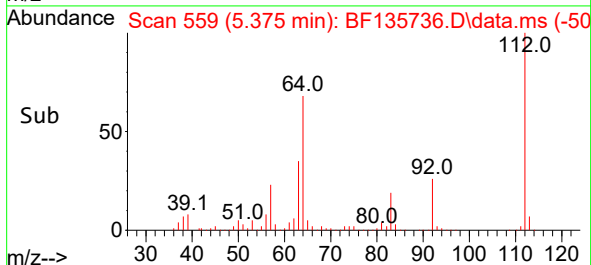
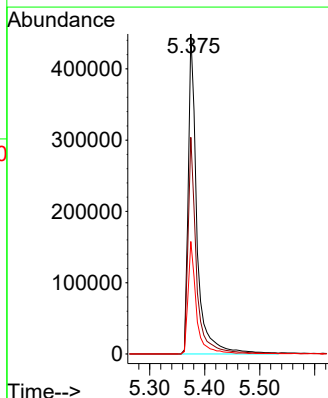
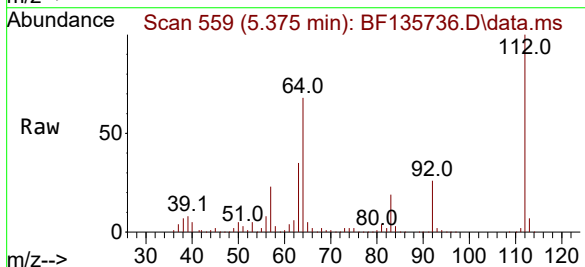
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B13-7.5-15

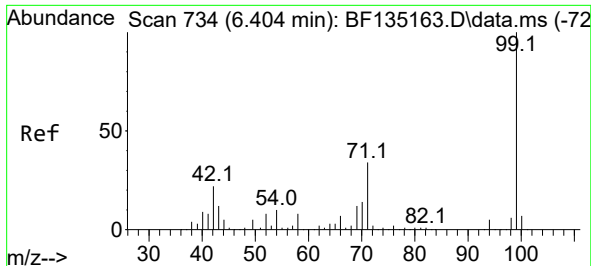
Tgt Ion:152 Resp: 98544
Ion Ratio Lower Upper
152 100
150 159.0 127.8 191.6
115 59.9 49.8 74.8



#5
2-Fluorophenol
Concen: 81.891 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57

Tgt Ion:112 Resp: 496165
Ion Ratio Lower Upper
112 100
64 67.7 55.9 83.9
63 35.2 29.0 43.6

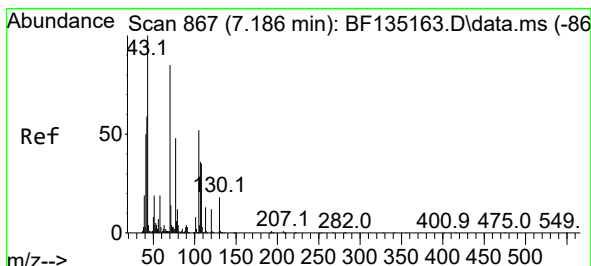
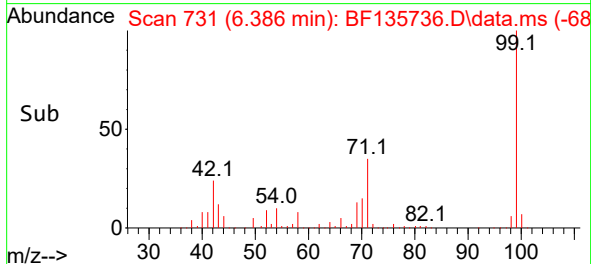
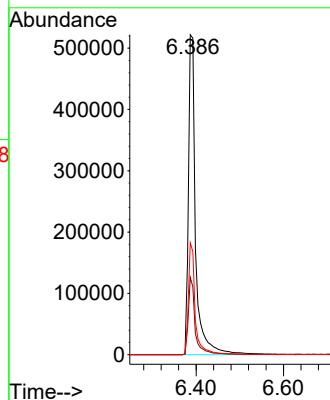
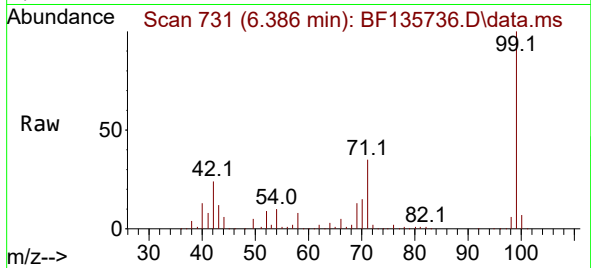




#7
Phenol-d6
Concen: 77.547 ng
RT: 6.386 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57

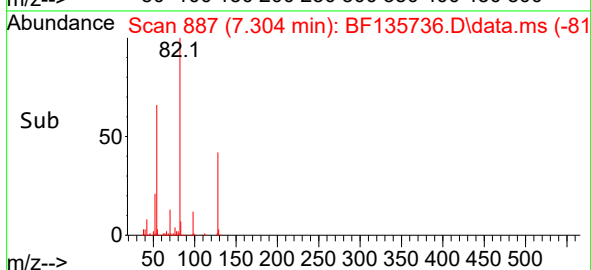
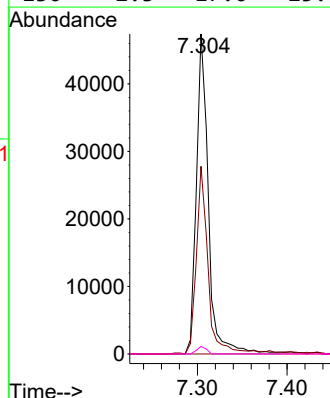
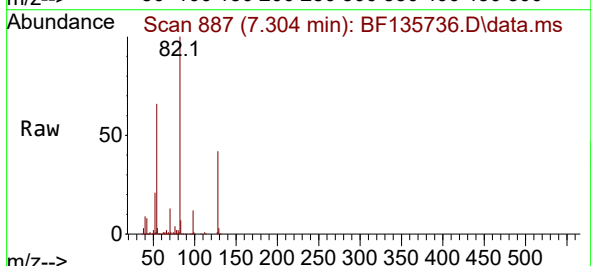
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B13-7.5-15

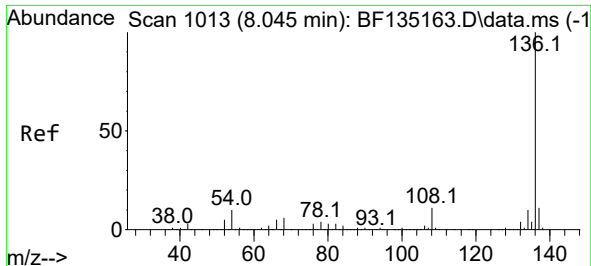
Tgt Ion: 99 Resp: 597440
Ion Ratio Lower Upper
99 100
42 24.2 17.9 26.9
71 35.0 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 9.213 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57

Tgt Ion: 70 Resp: 43966
Ion Ratio Lower Upper
70 100
42 58.7 55.4 83.0
101 0.0 7.7 11.5#
130 2.3 17.0 25.6#

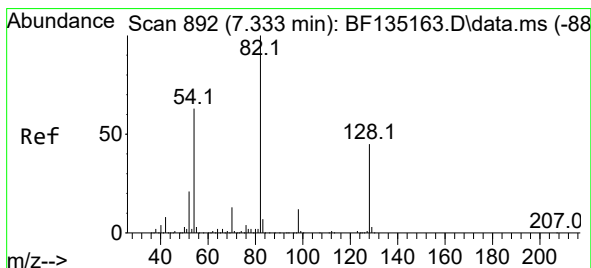
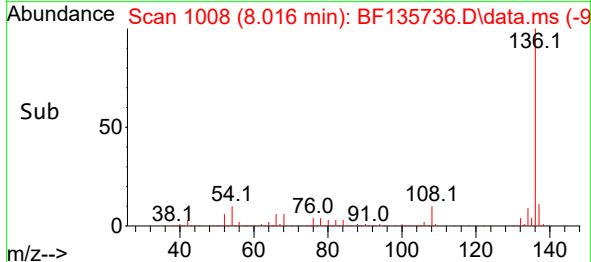
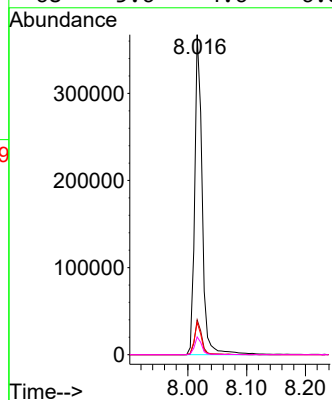
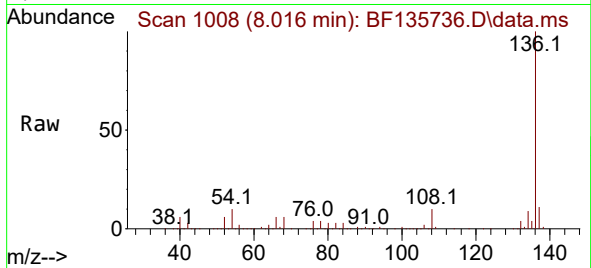




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57

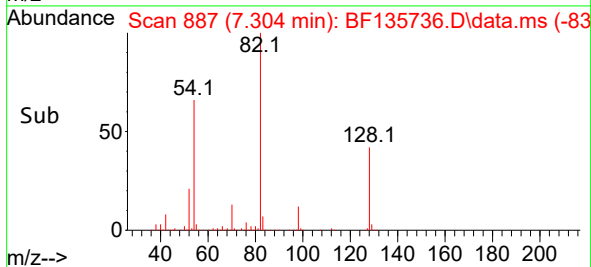
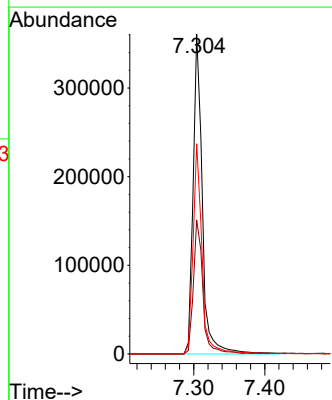
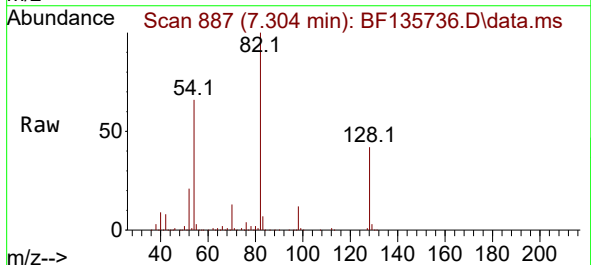
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B13-7.5-15

Tgt Ion:136 Resp: 324867
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 10.1 7.7 11.5
68 5.6 4.6 6.8



#23
Nitrobenzene-d5
Concen: 54.705 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57

Tgt Ion: 82 Resp: 327115
Ion Ratio Lower Upper
82 100
128 41.9 35.8 53.6
54 65.7 50.6 76.0

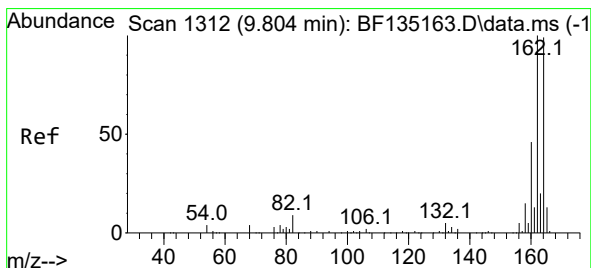
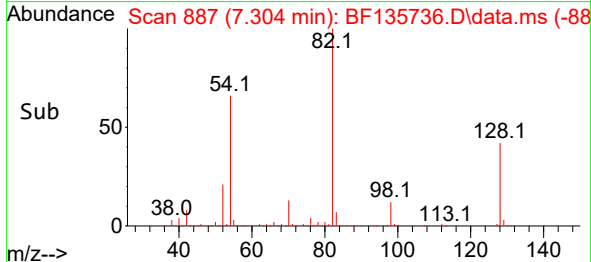
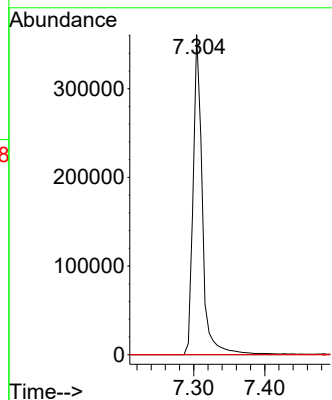
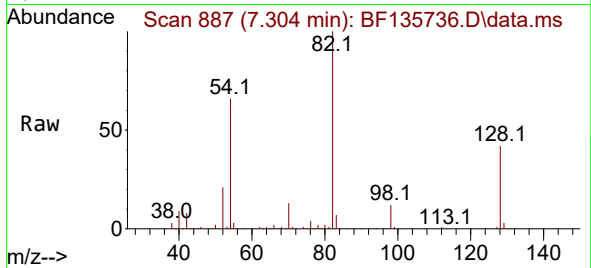




#25
Isophorone
Concen: 29.792 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57

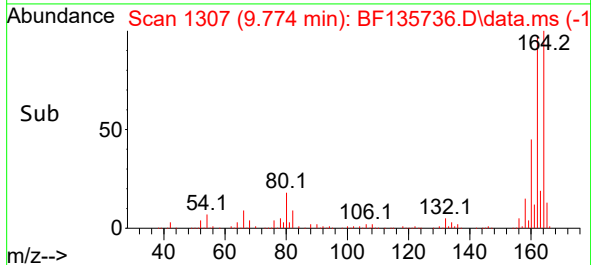
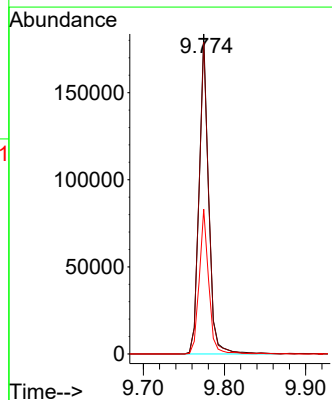
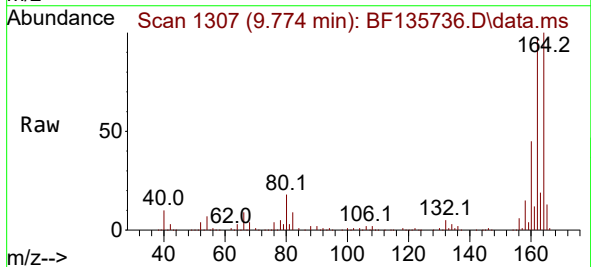
Instrument :
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ClientSampleId :
PP-20230928-B13-7.5-15

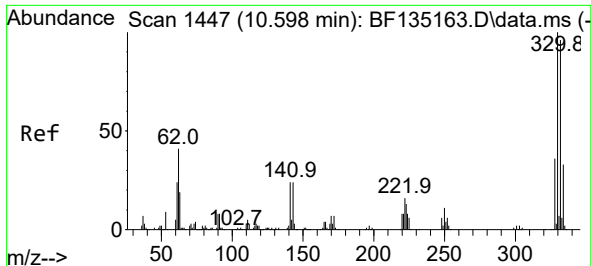
Tgt Ion: 82 Resp: 327115
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.774 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57

Tgt Ion:164 Resp: 149196
Ion Ratio Lower Upper
164 100
162 97.5 81.0 121.4
160 45.2 37.0 55.4

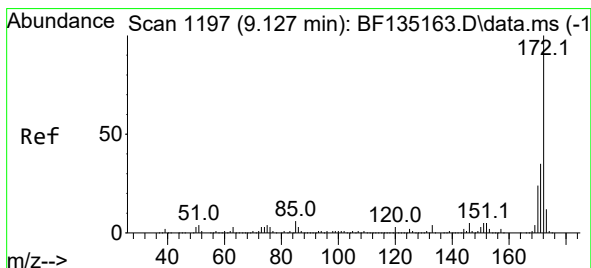
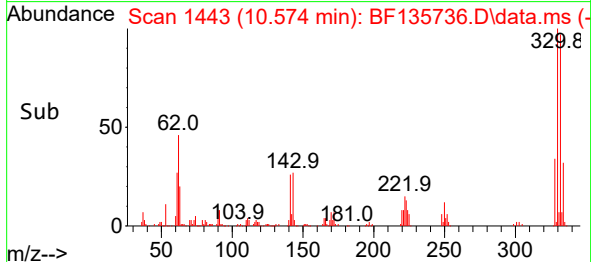
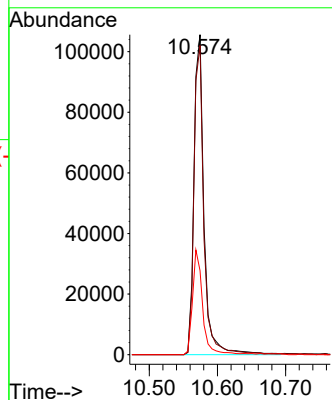
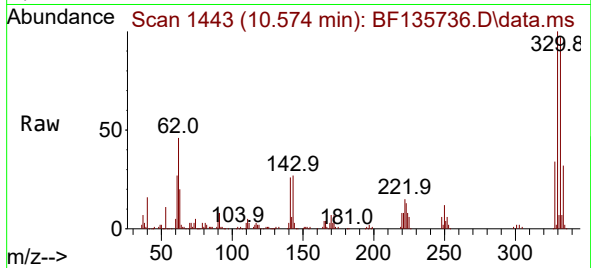




#42
2,4,6-Tribromophenol
Concen: 72.240 ng
RT: 10.574 min Scan# 1443
Delta R.T. -0.000 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57

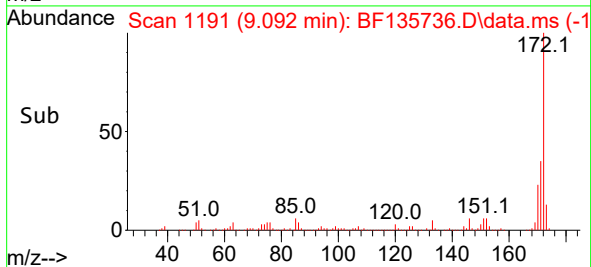
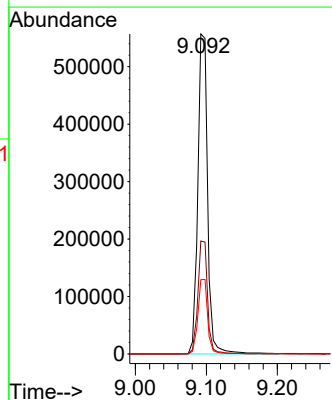
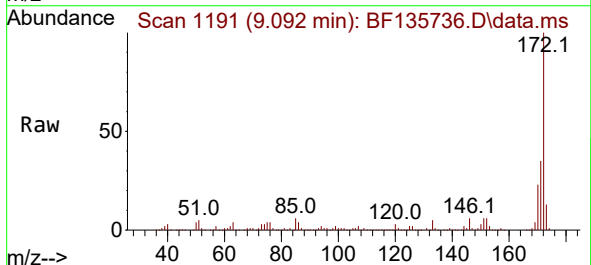
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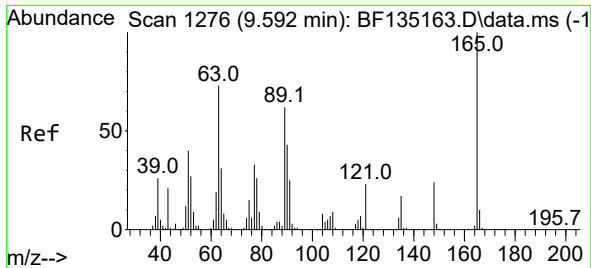
Tgt Ion:330 Resp: 107106
Ion Ratio Lower Upper
330 100
332 95.4 77.3 115.9
141 33.0 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 54.311 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57

Tgt Ion:172 Resp: 537077
Ion Ratio Lower Upper
172 100
171 35.3 28.4 42.6
170 23.2 19.0 28.4

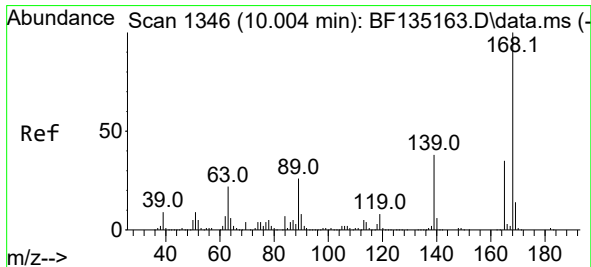
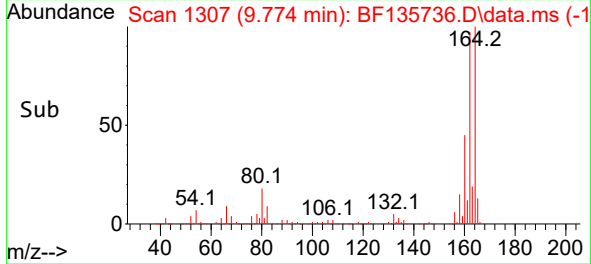
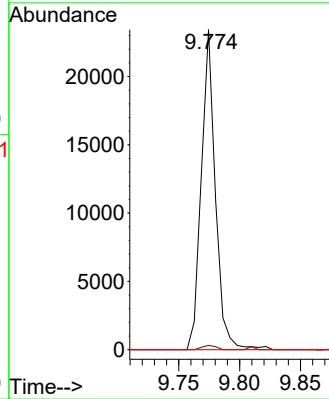
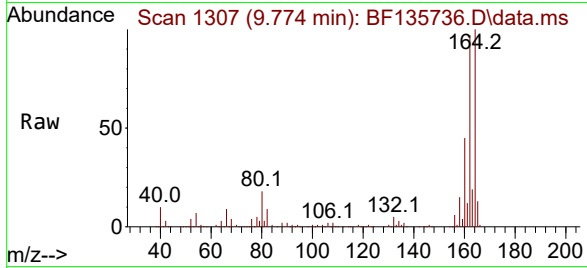




#51
2,6-Dinitrotoluene
Concen: 8.544 ng
RT: 9.774 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57

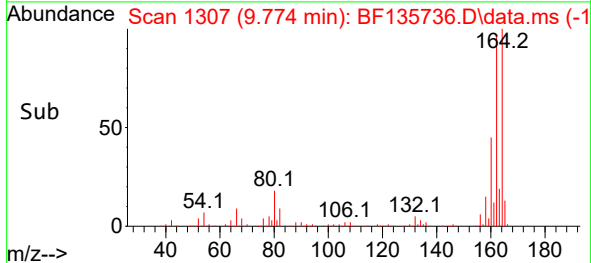
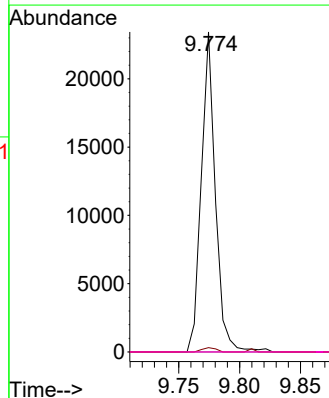
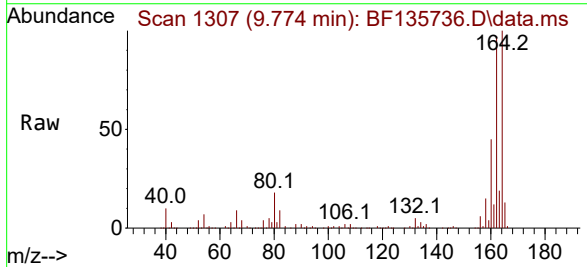
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PP-20230928-B13-7.5-15

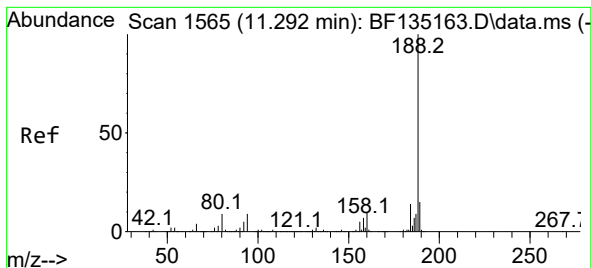
Tgt Ion:165 Resp: 18881
Ion Ratio Lower Upper
165 100
63 1.4 59.4 89.2#
89 0.0 49.8 74.8#



#57
2,4-Dinitrotoluene
Concen: 6.825 ng
RT: 9.774 min Scan# 1307
Delta R.T. -0.218 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57

Tgt Ion:165 Resp: 18881
Ion Ratio Lower Upper
165 100
63 1.4 50.1 75.1#
89 0.0 59.3 88.9#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.268 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135736.D

Acq: 12 Oct 2023 15:57

Instrument :

BNA_F

ClientSampleId :

PP-20230928-B13-7.5-15

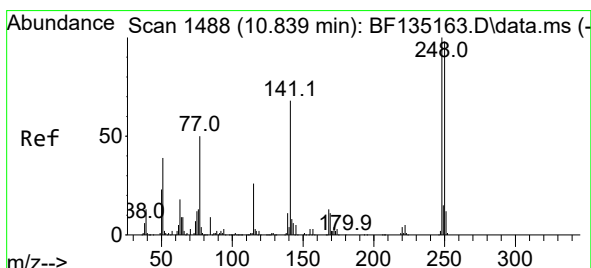
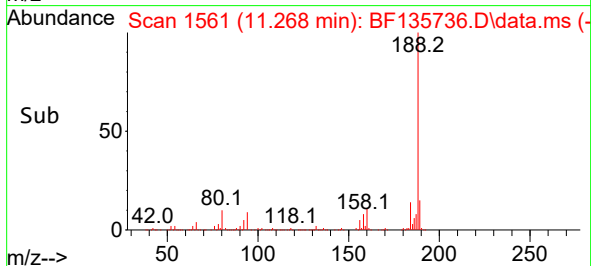
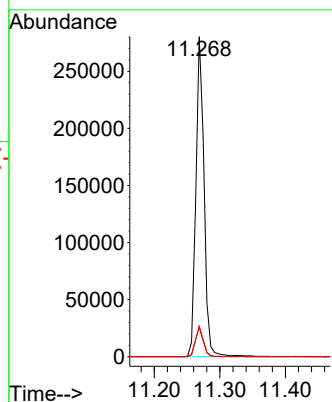
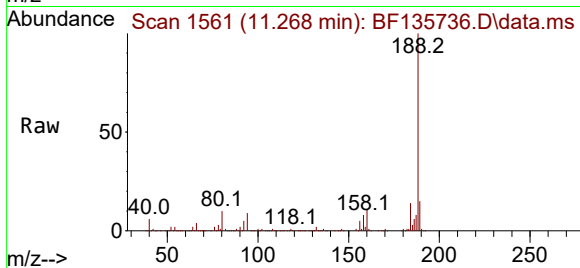
Tgt Ion:188 Resp: 242981

Ion Ratio Lower Upper

188 100

94 9.3 7.0 10.6

80 9.6 7.5 11.3



#67

4-Bromophenyl-phenylether

Concen: 2.736 ng

RT: 10.574 min Scan# 1443

Delta R.T. -0.241 min

Lab File: BF135736.D

Acq: 12 Oct 2023 15:57

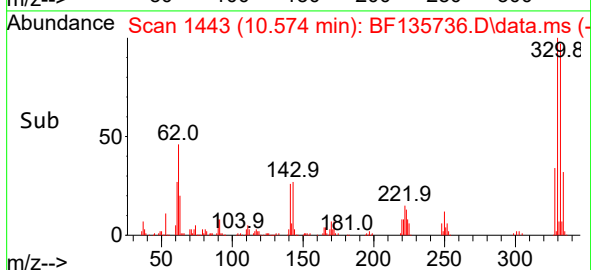
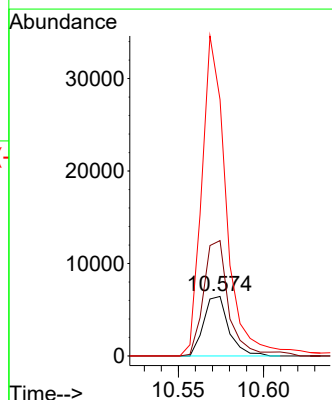
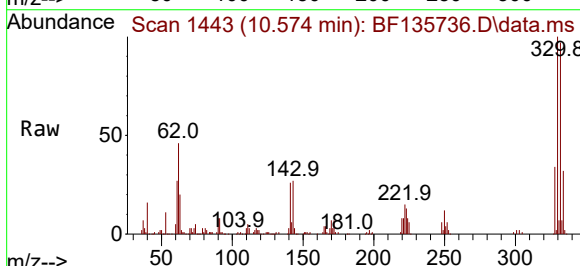
Tgt Ion:248 Resp: 6611

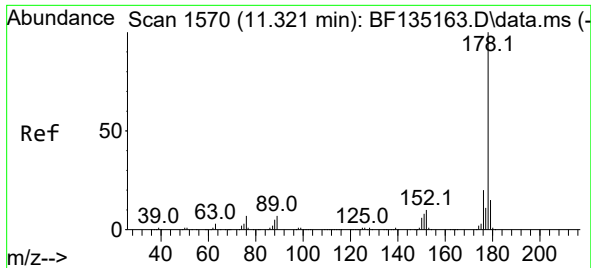
Ion Ratio Lower Upper

248 100

250 193.6 78.6 117.8#

141 430.1 54.2 81.2#

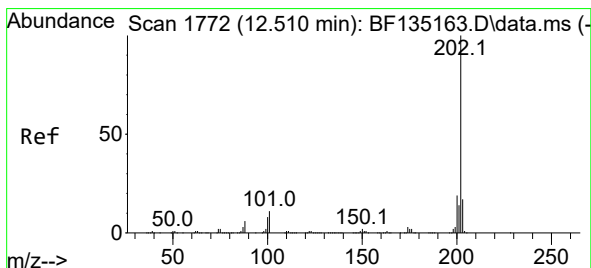
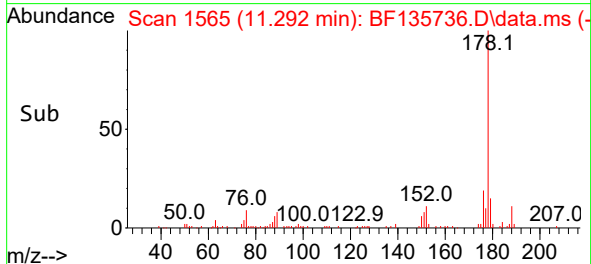
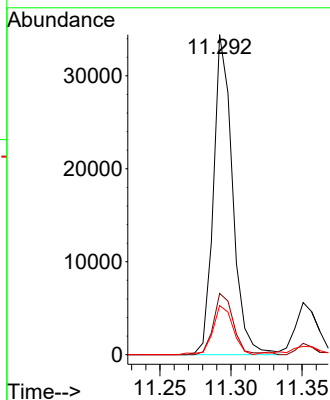
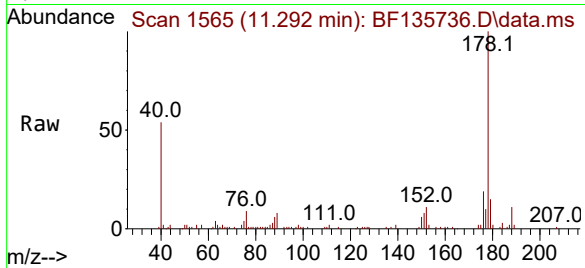




#71
Phenanthrene
Concen: 2.797 ng
RT: 11.292 min Scan# 1769
Delta R.T. -0.006 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57

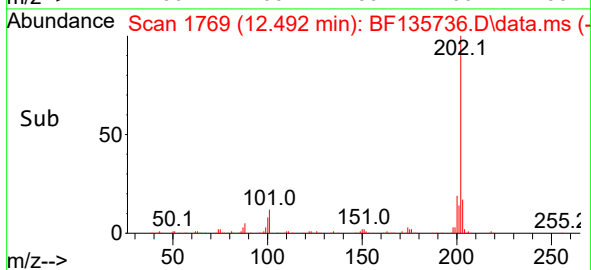
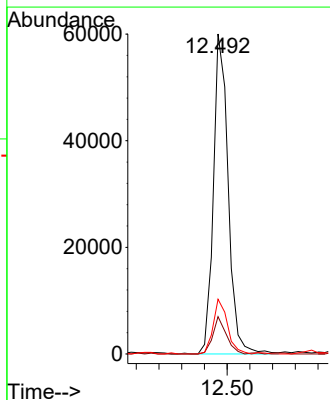
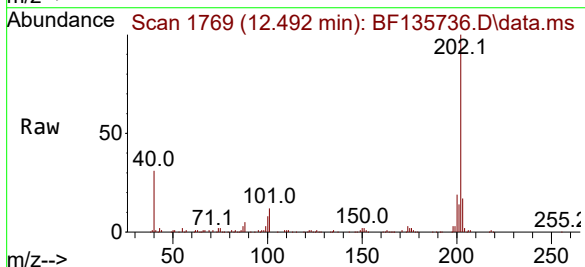
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B13-7.5-15

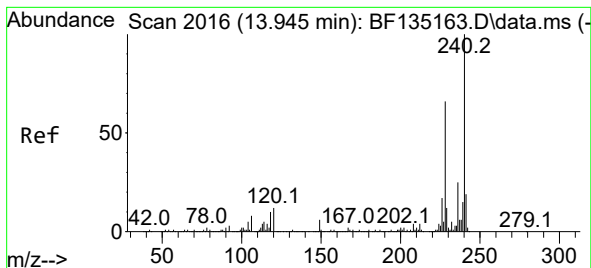
Tgt Ion:178 Resp: 32143
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.4 12.0 18.0



#75
Fluoranthene
Concen: 4.528 ng
RT: 12.492 min Scan# 1769
Delta R.T. -0.006 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57

Tgt Ion:202 Resp: 54222
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.3
203 17.1 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135736.D

Acq: 12 Oct 2023 15:57

Instrument :

BNA_F

ClientSampleId :

PP-20230928-B13-7.5-15

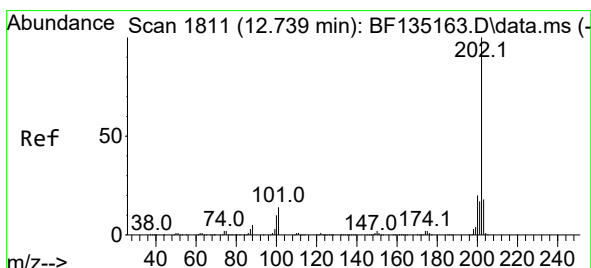
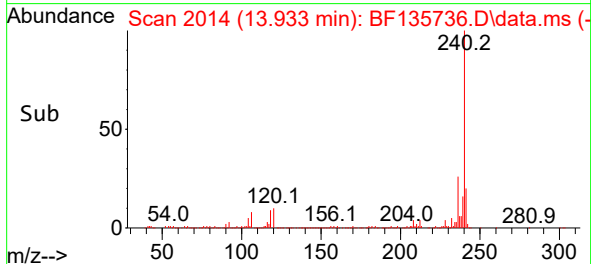
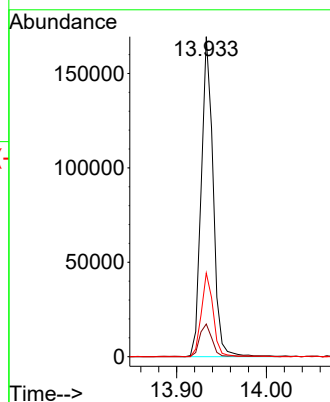
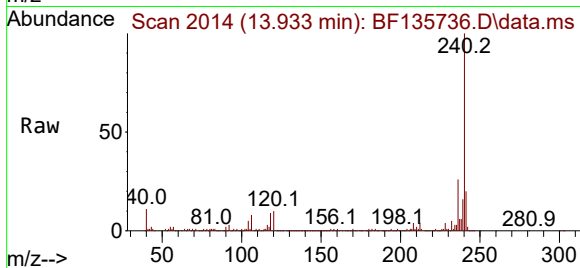
Tgt Ion:240 Resp: 155136

Ion Ratio Lower Upper

240 100

120 10.2 9.4 14.2

236 26.2 19.8 29.8



#78

Pyrene

Concen: 3.372 ng

RT: 12.721 min Scan# 1808

Delta R.T. -0.006 min

Lab File: BF135736.D

Acq: 12 Oct 2023 15:57

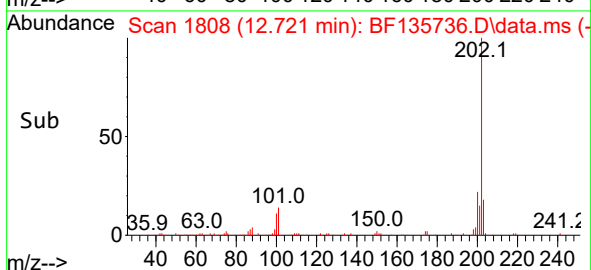
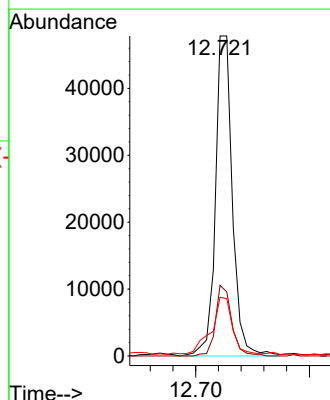
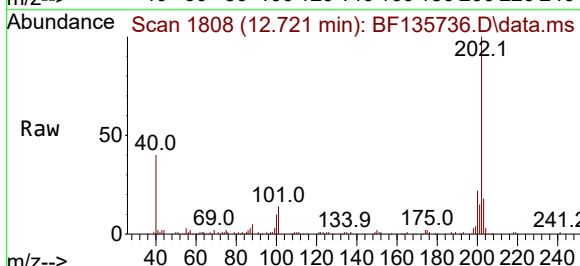
Tgt Ion:202 Resp: 49799

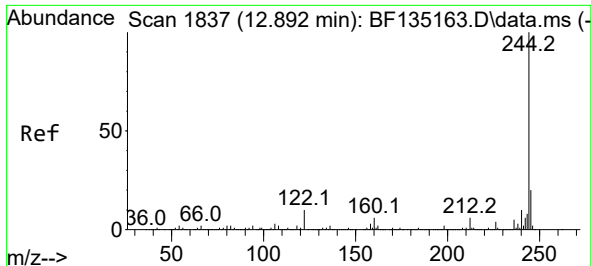
Ion Ratio Lower Upper

202 100

200 22.0 16.2 24.2

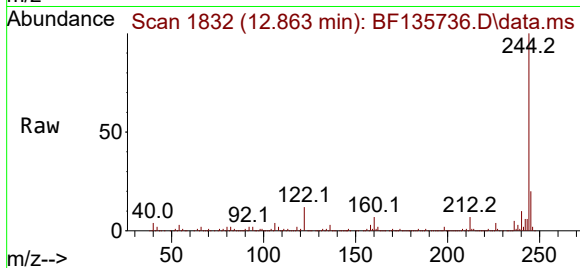
203 18.4 14.2 21.4



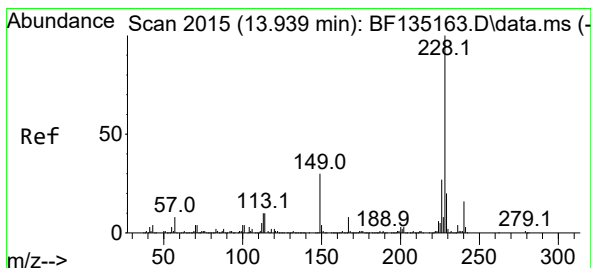
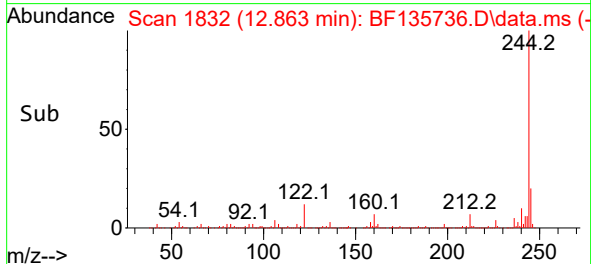
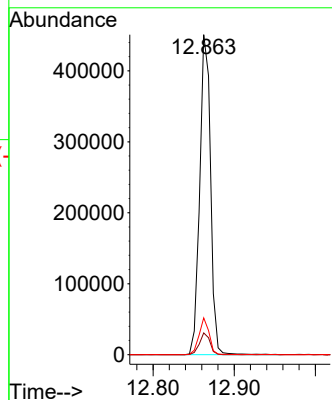


#79
 Terphenyl-d14
 Concen: 41.847 ng
 RT: 12.863 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF135736.D
 Acq: 12 Oct 2023 15:57

Instrument :
 BNA_F
 ClientSampleId :
 PP-20230928-B13-7.5-15

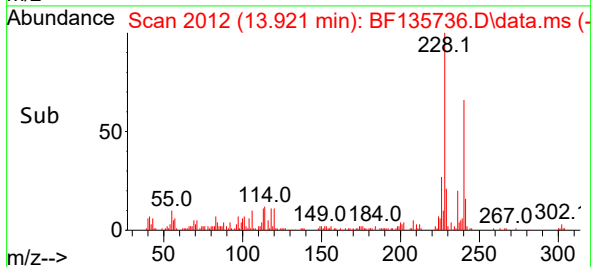
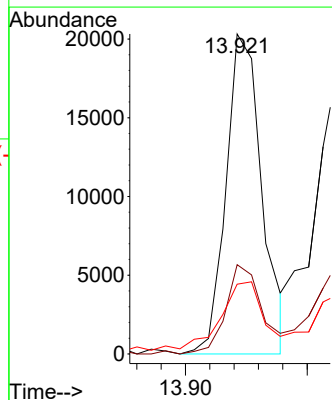
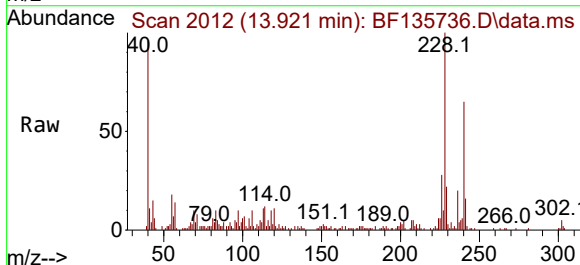


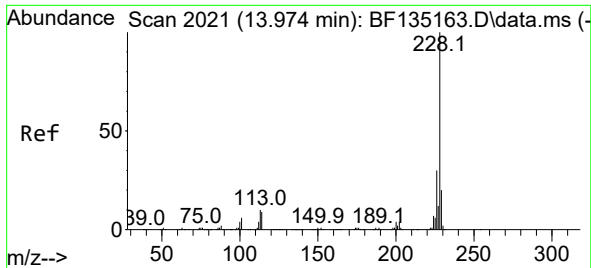
Tgt Ion:244 Resp: 418787
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.1 7.7
 122 11.5 7.9 11.9



#81
 Benzo(a)anthracene
 Concen: 2.083 ng
 RT: 13.921 min Scan# 2012
 Delta R.T. -0.006 min
 Lab File: BF135736.D
 Acq: 12 Oct 2023 15:57

Tgt Ion:228 Resp: 20870
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.7 32.5
 229 21.8 15.8 23.8

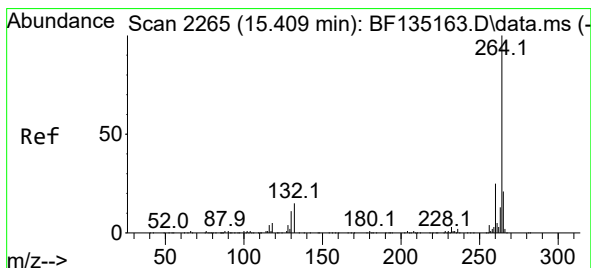
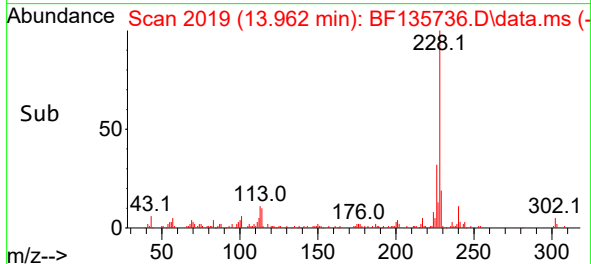
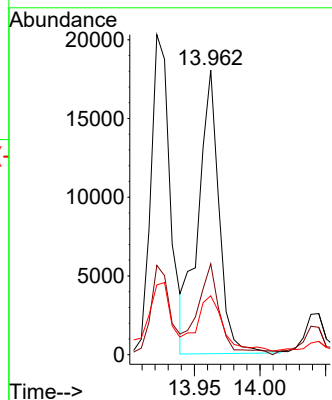
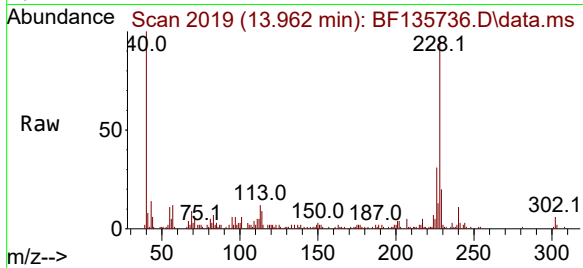




#83
Chrysene
Concen: 2.007 ng
RT: 13.962 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57

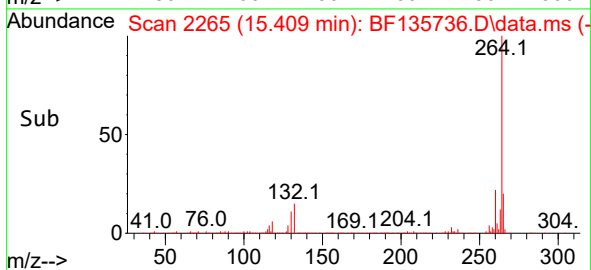
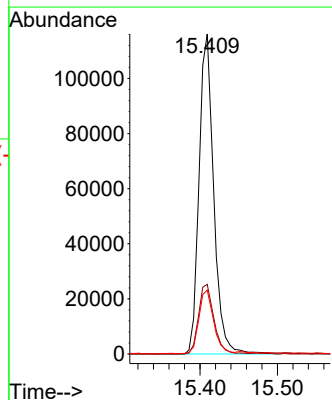
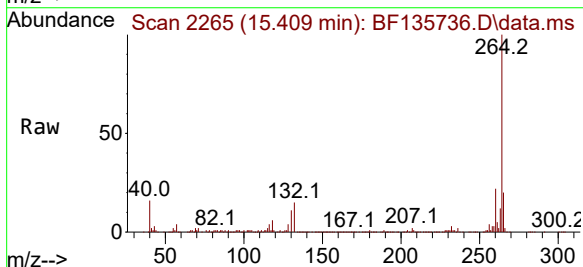
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B13-7.5-15

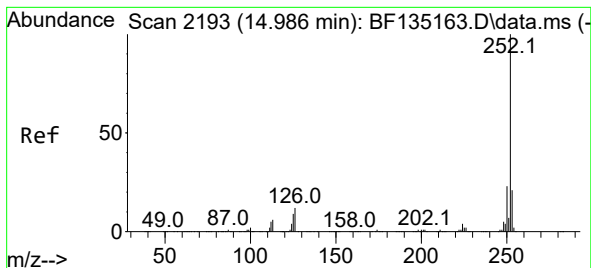
Tgt Ion:228	Resp:	19989
Ion Ratio	Lower	Upper
228	100	
226	31.9	24.3 36.5
229	20.7	16.0 24.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.409 min Scan# 2265
Delta R.T. 0.006 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57

Tgt Ion:264	Resp:	152458
Ion Ratio	Lower	Upper
264	100	
260	21.8	19.8 29.6
265	20.0	17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 3.586 ng

RT: 14.986 min Scan# 2193

Delta R.T. 0.006 min

Lab File: BF135736.D

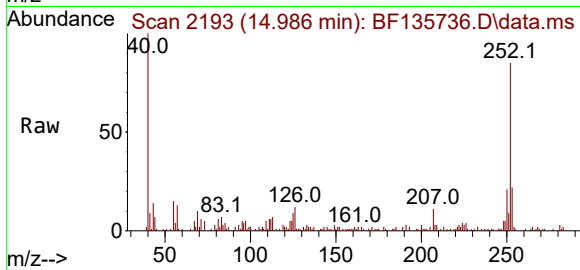
Acq: 12 Oct 2023 15:57

Instrument :

BNA_F

ClientSampleId :

PP-20230928-B13-7.5-15



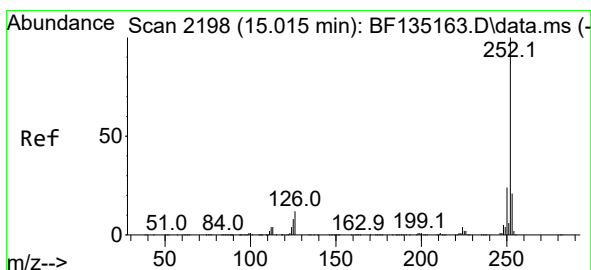
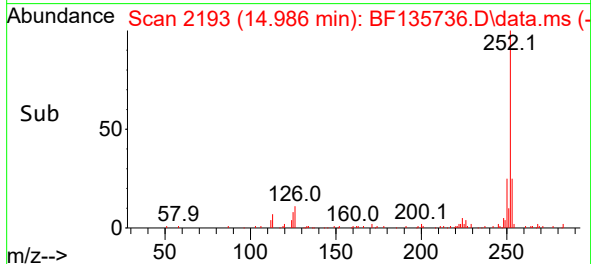
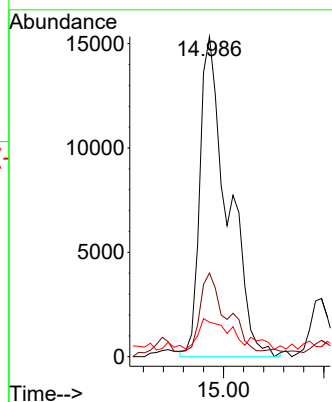
Tgt Ion:252 Resp: 29596

Ion Ratio Lower Upper

252 100

253 26.1 17.2 25.8#

125 10.7 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 3.630 ng

RT: 14.986 min Scan# 2193

Delta R.T. -0.018 min

Lab File: BF135736.D

Acq: 12 Oct 2023 15:57

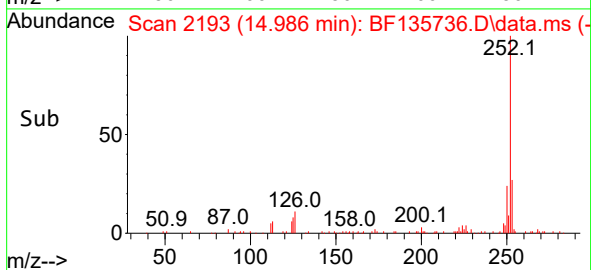
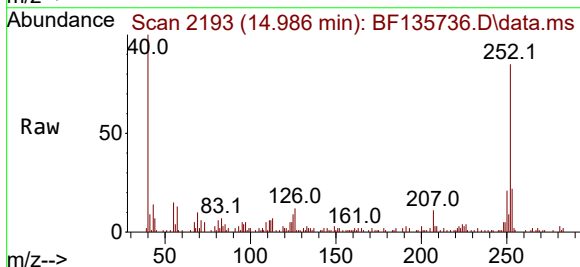
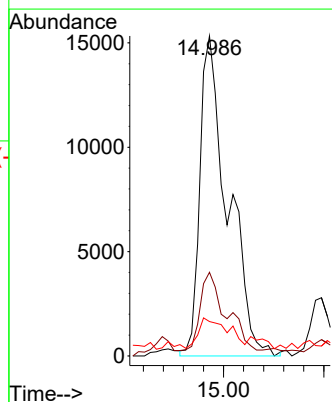
Tgt Ion:252 Resp: 29596

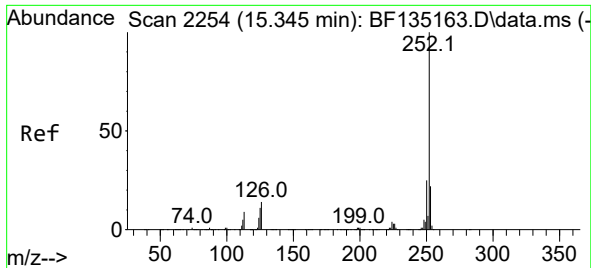
Ion Ratio Lower Upper

252 100

253 26.1 17.4 26.0#

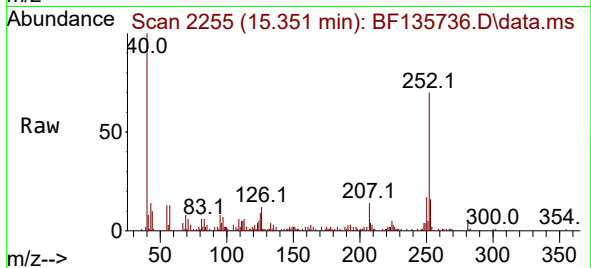
125 10.7 7.2 10.8





#90
Benzo(a)pyrene
Concen: 2.048 ng
RT: 15.351 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57

Instrument :
BNA_F
ClientSampleId :
PP-20230928-B13-7.5-15



Tgt Ion:	252	Resp:	16116
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.5	26.3
125	13.4	9.2	13.8

