

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091523\
 Data File : BF135281.D
 Acq On : 15 Sep 2023 16:11
 Operator : CG\JU
 Sample : 04409-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2(0-2)COMP

Quant Time: Sep 15 16:51:57 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)

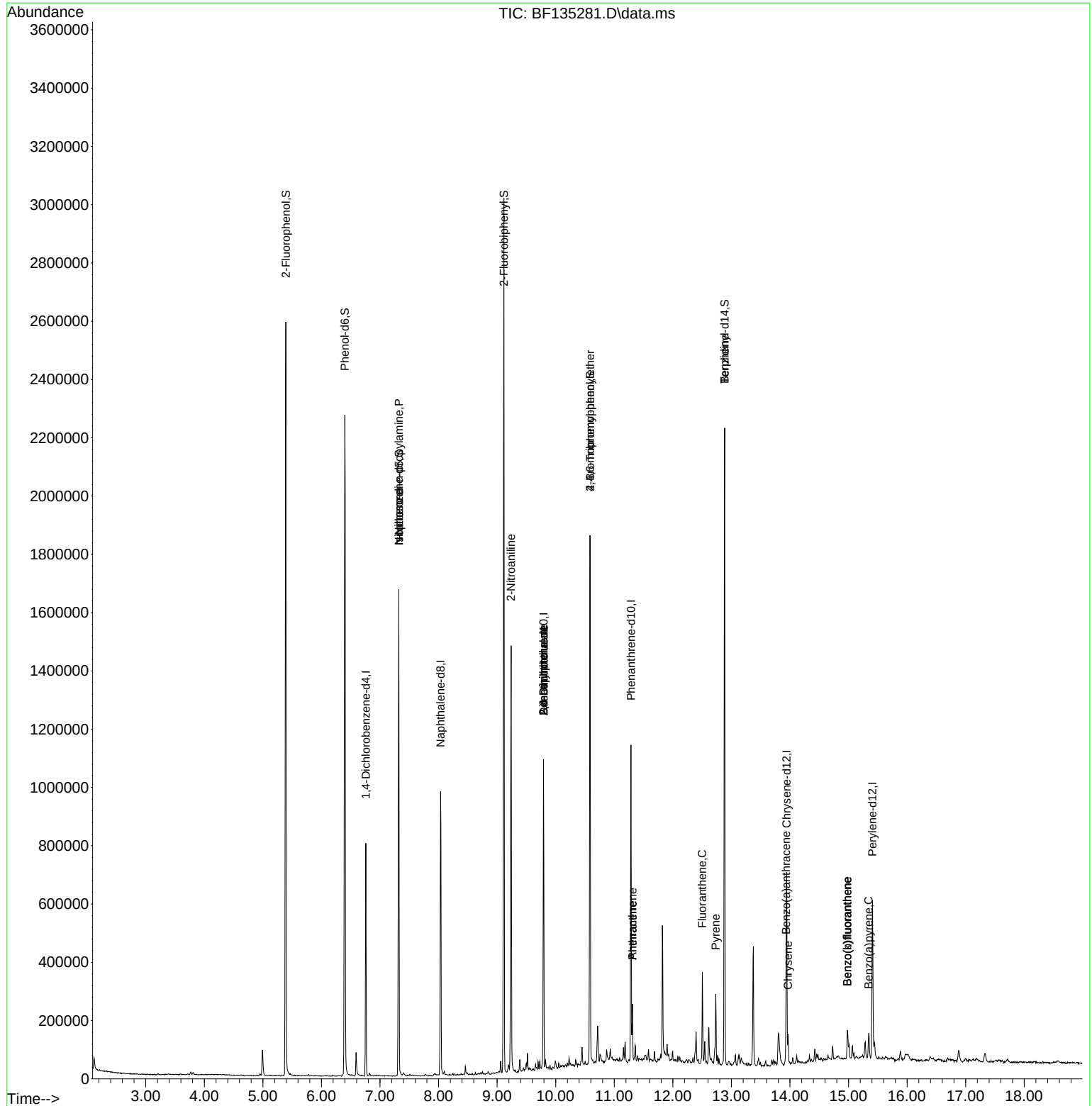
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	105558	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	435102	20.000	ng	-0.01
39) Acenaphthene-d10	9.792	164	202916	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	378169	20.000	ng	0.00
76) Chrysene-d12	13.945	240	215490	20.000	ng	# 0.00
86) Perylene-d12	15.409	264	259120	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.392	112	664324	102.360	ng	0.00
7) Phenol-d6	6.398	99	802769	97.275	ng	0.00
23) Nitrobenzene-d5	7.322	82	494714	61.773	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	198628	98.502	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	911071	67.740	ng	-0.01
79) Terphenyl-d14	12.886	244	765274	55.052	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.322	70	66047	12.921	ng	# 80
25) Isophorone	7.322	82	494707	33.640	ng	# 65
48) 2-Nitroaniline	9.239	65	15429	3.510	ng	# 16
50) Dimethylphthalate	9.792	163	39388	2.871	ng	# 1
51) 2,6-Dinitrotoluene	9.792	165	27042	8.998	ng	# 18
57) 2,4-Dinitrotoluene	9.792	165	27042	7.187	ng	# 19
67) 4-Bromophenyl-phenylether	10.586	248	12519	3.328	ng	# 1
71) Phenanthrene	11.310	178	64116	3.585	ng	99
72) Anthracene	11.310	178	64116	3.487	ng	100
75) Fluoranthene	12.504	202	113118	6.070	ng	98
77) Benzidine	12.886	184	9736	2.205	ng	# 94
78) Pyrene	12.733	202	96797	4.718	ng	98
81) Benzo(a)anthracene	13.933	228	45125	3.243	ng	98
83) Chrysene	13.968	228	37013	2.675	ng	98
88) Benzo(b)fluoranthene	14.980	252	71287	5.082	ng	# 97
89) Benzo(k)fluoranthene	14.980	252	71287	5.145	ng	# 97
90) Benzo(a)pyrene	15.345	252	38392	2.870	ng	97

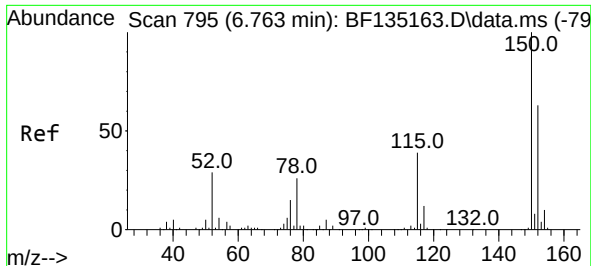
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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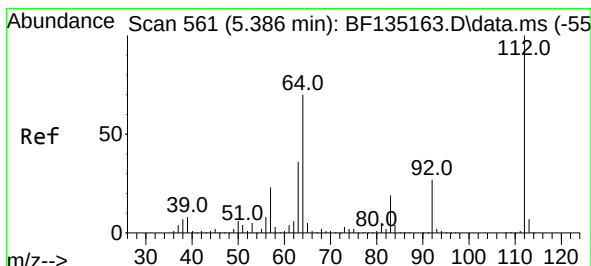
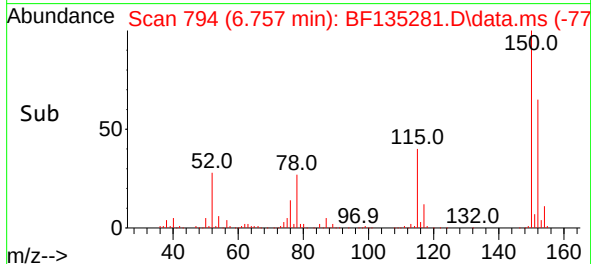
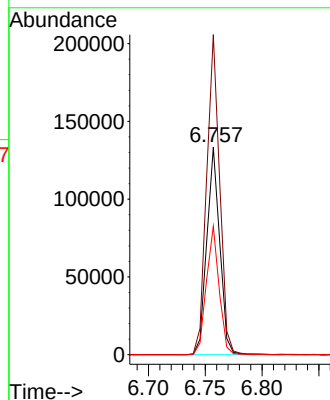
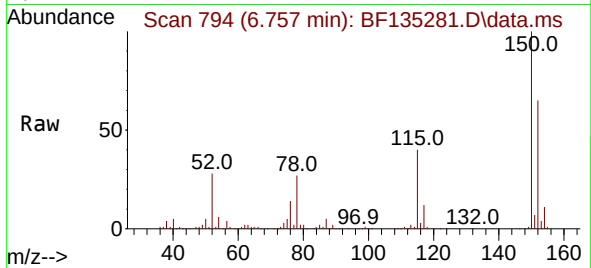




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

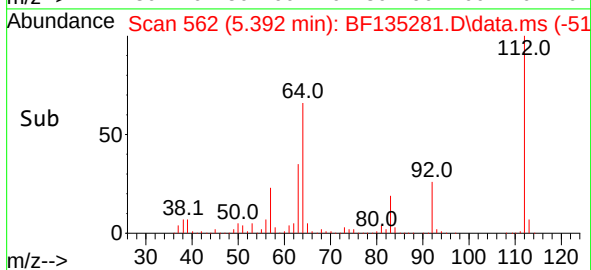
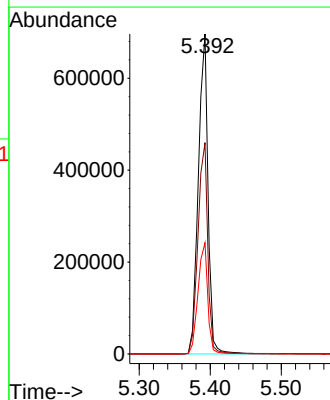
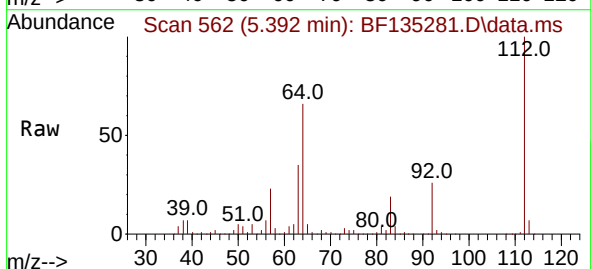
Instrument :
BNA_F
ClientSampleId :
WC-2(0-2)COMP

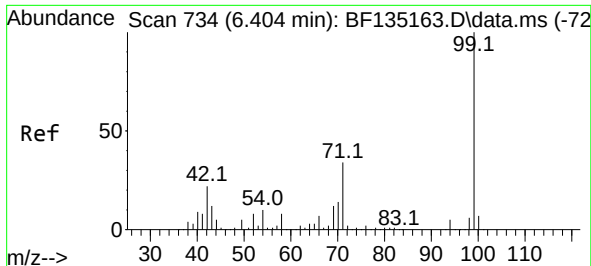
Tgt Ion:152 Resp: 105558
Ion Ratio Lower Upper
152 100
150 154.2 127.8 191.6
115 61.9 49.8 74.8



#5
2-Fluorophenol
Concen: 102.360 ng
RT: 5.392 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

Tgt Ion:112 Resp: 664324
Ion Ratio Lower Upper
112 100
64 66.1 55.9 83.9
63 34.8 29.0 43.6

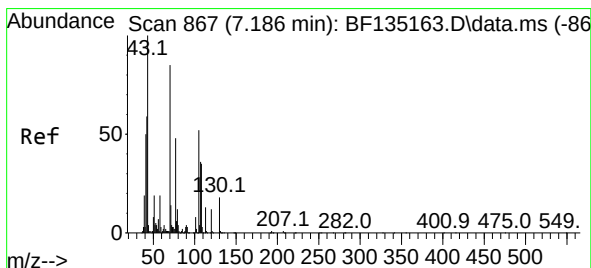
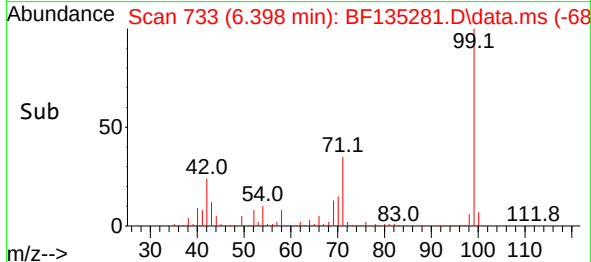
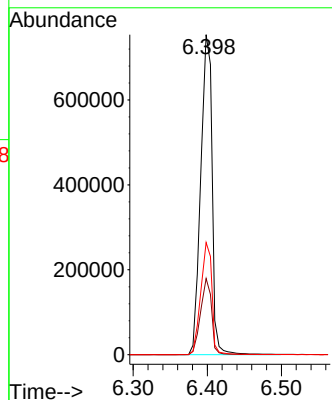
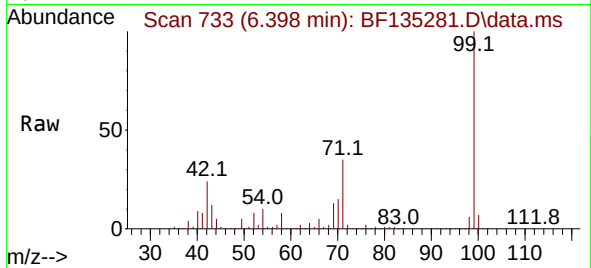




#7
Phenol-d6
Concen: 97.275 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

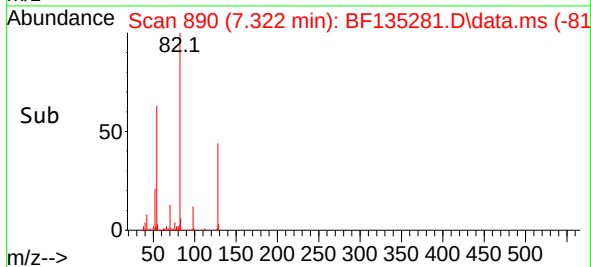
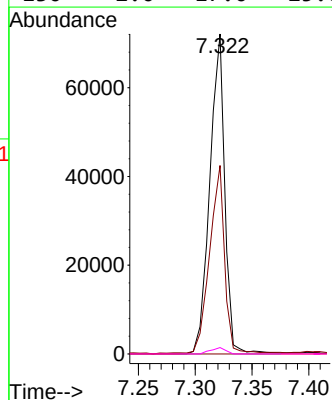
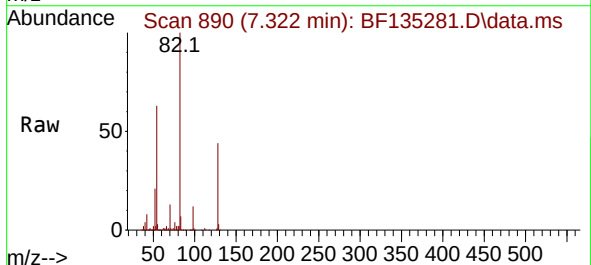
Instrument :
BNA_F
ClientSampleId :
WC-2(0-2)COMP

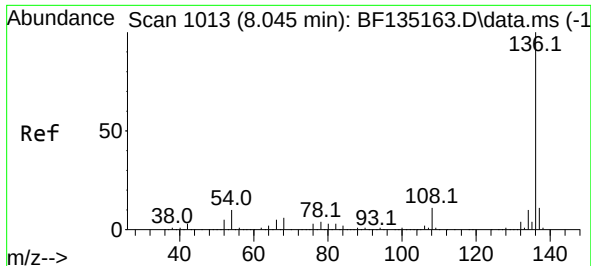
Tgt Ion: 99 Resp: 802769
Ion Ratio Lower Upper
99 100
42 23.8 17.9 26.9
71 35.1 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 12.921 ng
RT: 7.322 min Scan# 890
Delta R.T. 0.135 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

Tgt Ion: 70 Resp: 66047
Ion Ratio Lower Upper
70 100
42 58.9 55.4 83.0
101 0.0 7.7 11.5#
130 2.0 17.0 25.6#

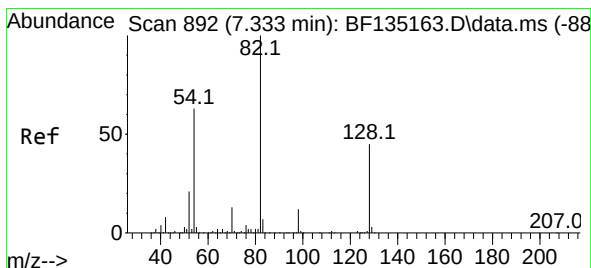
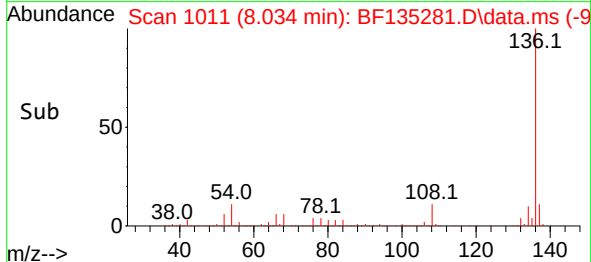
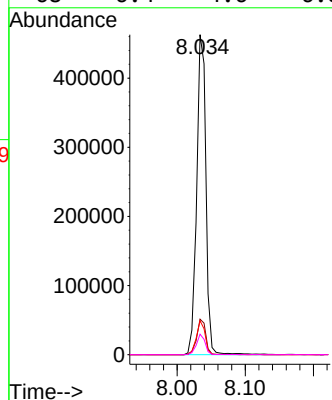
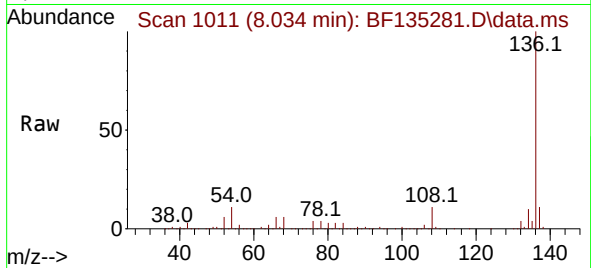




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1013
Delta R.T. -0.012 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

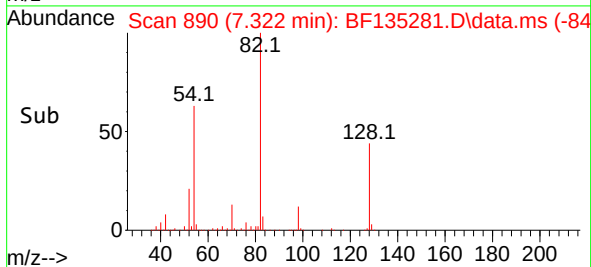
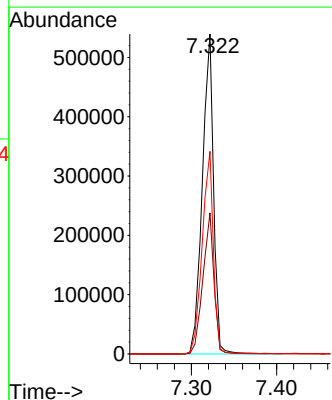
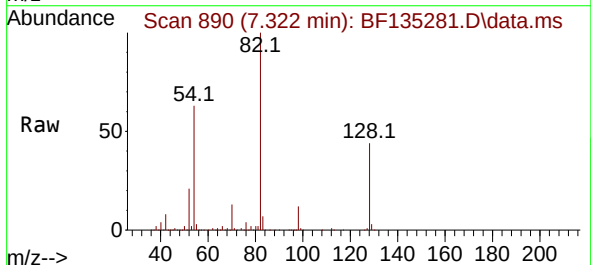
Instrument :
BNA_F
ClientSampleId :
WC-2(0-2)COMP

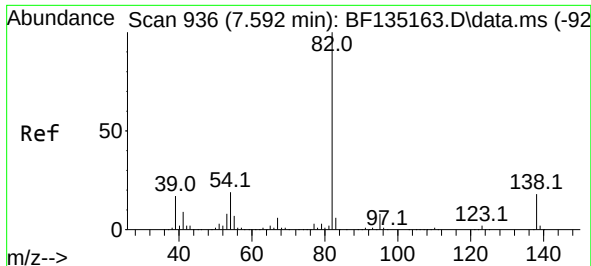
Tgt Ion:136 Resp: 435102
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 10.6 7.7 11.5
68 6.4 4.6 6.8



#23
Nitrobenzene-d5
Concen: 61.773 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

Tgt Ion: 82 Resp: 494714
Ion Ratio Lower Upper
82 100
128 44.1 35.8 53.6
54 63.3 50.6 76.0

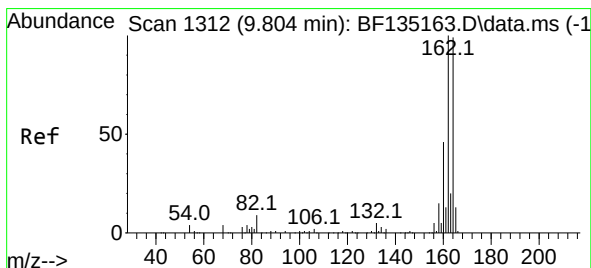
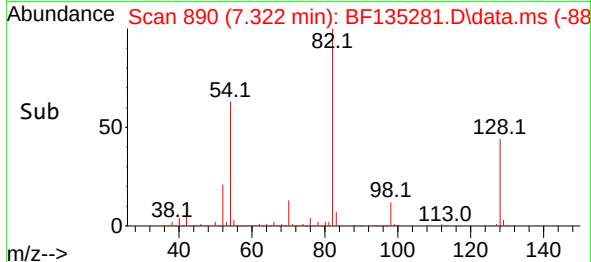
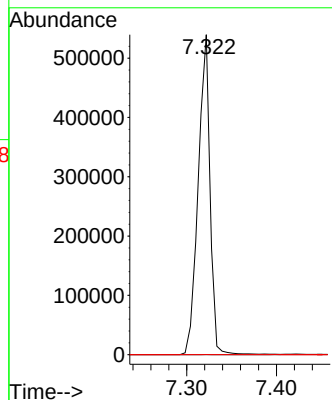
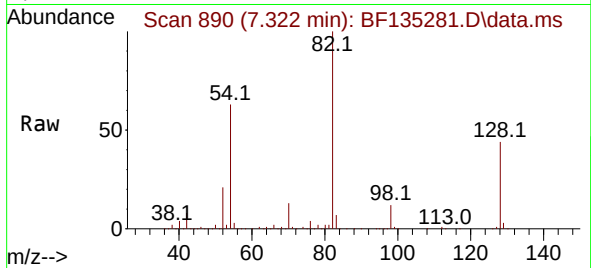




#25
Isophorone
Concen: 33.640 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

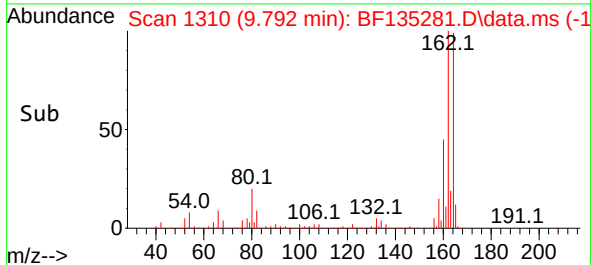
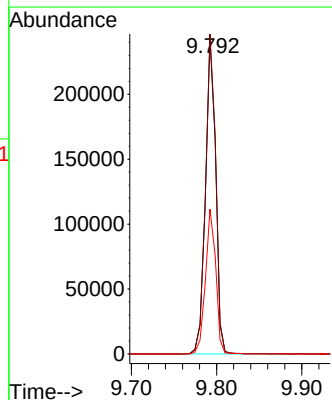
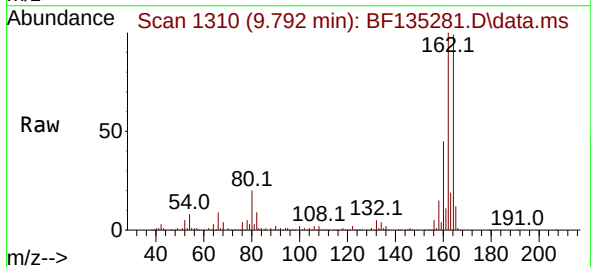
Instrument :
BNA_F
ClientSampleId :
WC-2(0-2)COMP

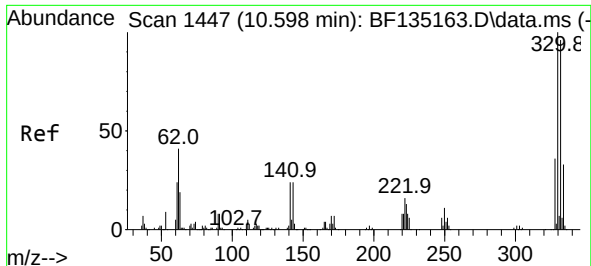
Tgt Ion: 82 Resp: 494707
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

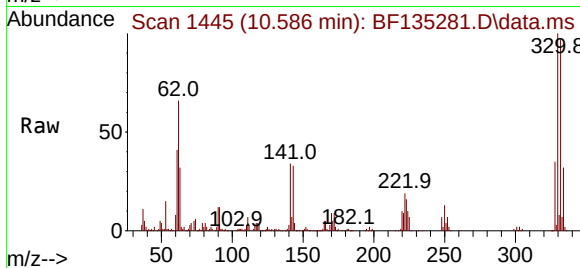
Tgt Ion: 164 Resp: 202916
Ion Ratio Lower Upper
164 100
162 101.3 81.0 121.4
160 45.8 37.0 55.4





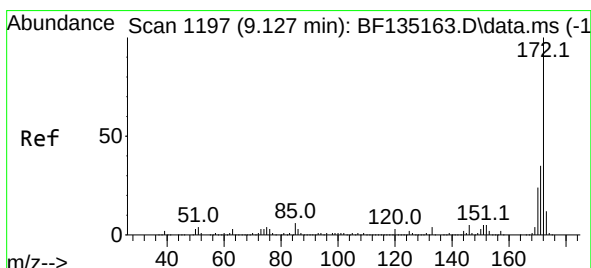
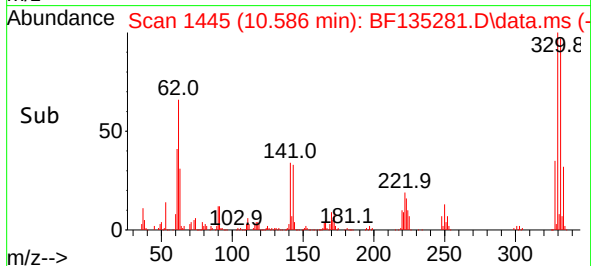
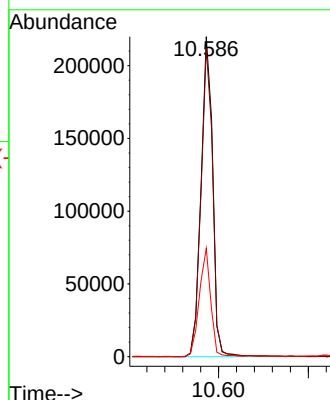
#42
 2,4,6-Tribromophenol
 Concen: 98.502 ng
 RT: 10.586 min Scan# 1445
 Delta R.T. -0.012 min
 Lab File: BF135281.D
 Acq: 15 Sep 2023 16:11

Instrument :
 BNA_F
 ClientSampleId :
 WC-2(0-2)COMP



Tgt Ion:330 Resp: 198628

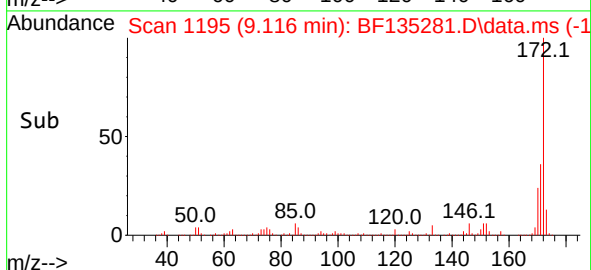
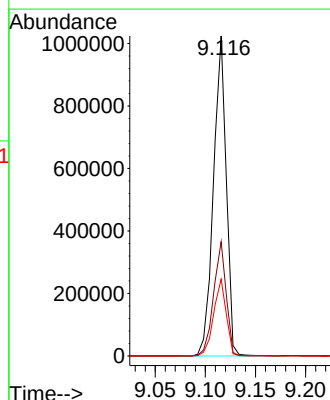
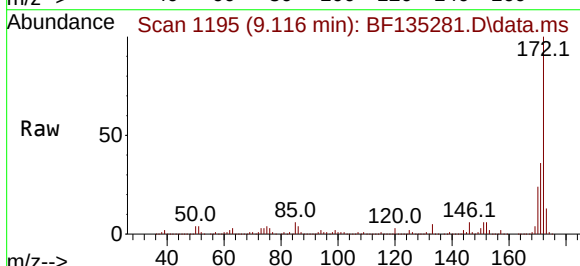
Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.3	115.9
141	33.1	25.8	38.8

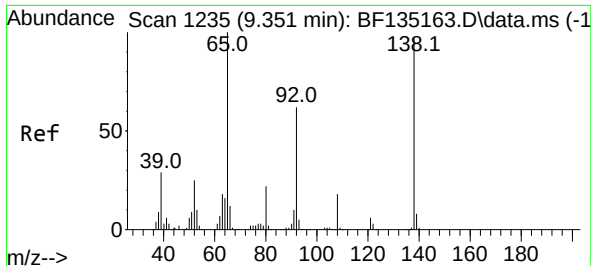


#45
 2-Fluorobiphenyl
 Concen: 67.740 ng
 RT: 9.116 min Scan# 1195
 Delta R.T. -0.012 min
 Lab File: BF135281.D
 Acq: 15 Sep 2023 16:11

Tgt Ion:172 Resp: 911071

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.4	42.6
170	24.0	19.0	28.4

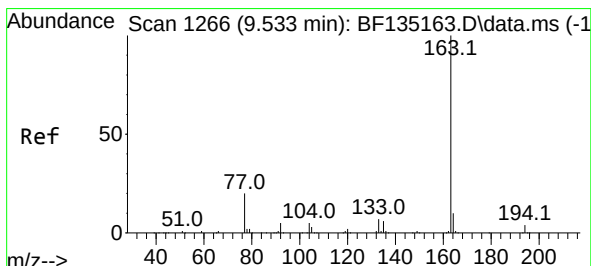
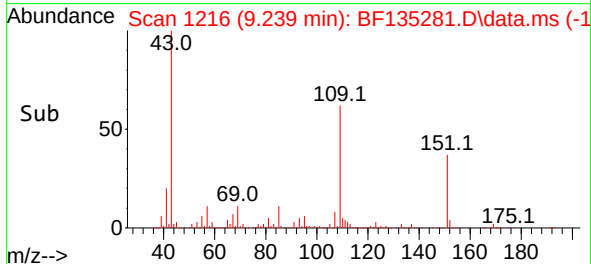
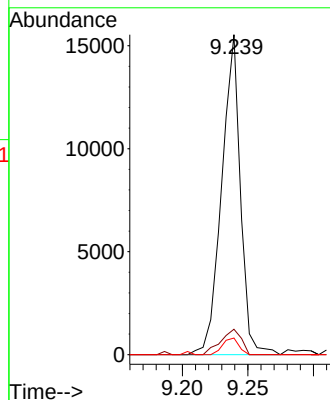
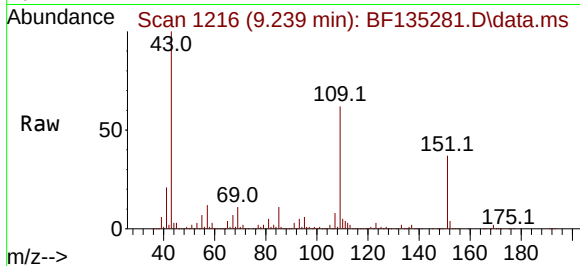




#48
2-Nitroaniline
Concen: 3.510 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.112 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

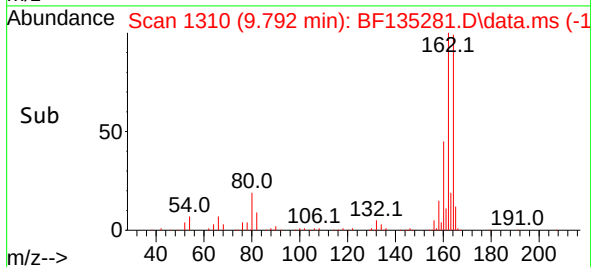
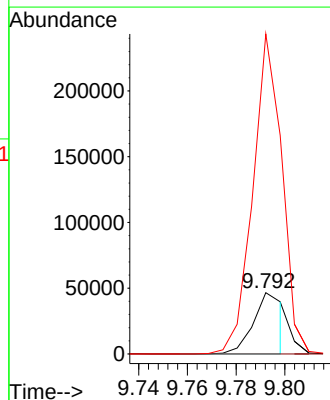
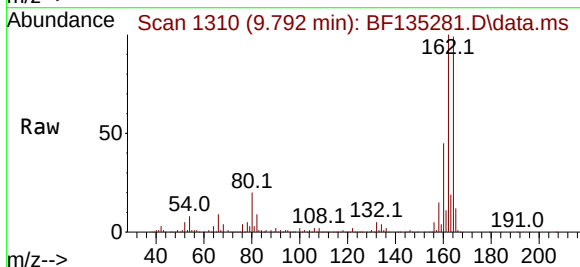
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WC-2(0-2)COMP

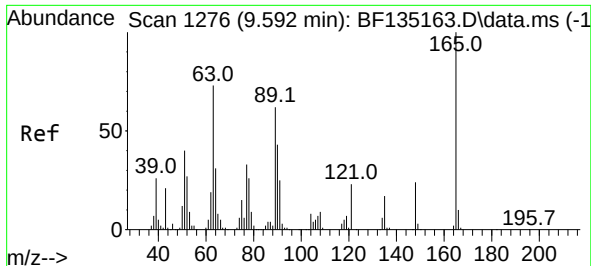
Tgt Ion: 65 Resp: 15429
Ion Ratio Lower Upper
65 100
92 8.0 49.4 74.0#
138 5.2 77.4 116.0#



#50
Dimethylphthalate
Concen: 2.871 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.259 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

Tgt Ion:163 Resp: 39388
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 521.4 8.1 12.1#

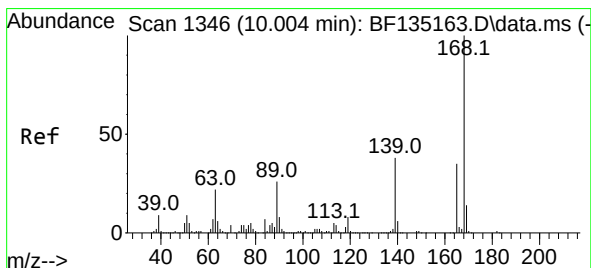
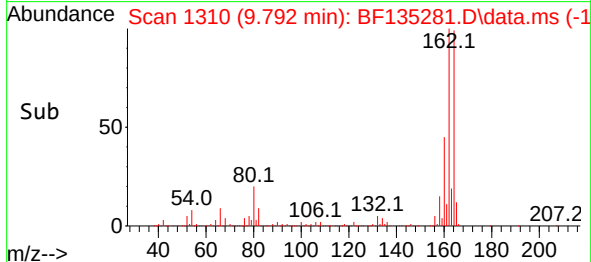
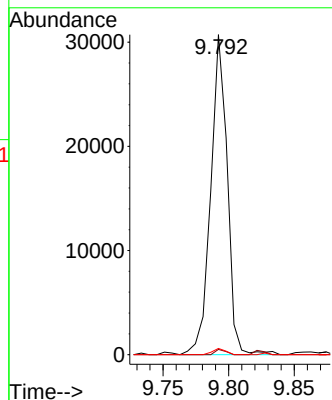
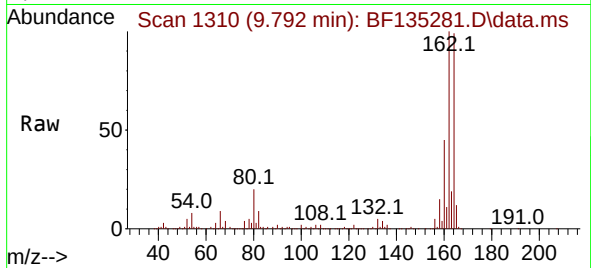




#51
2,6-Dinitrotoluene
Concen: 8.998 ng
RT: 9.792 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

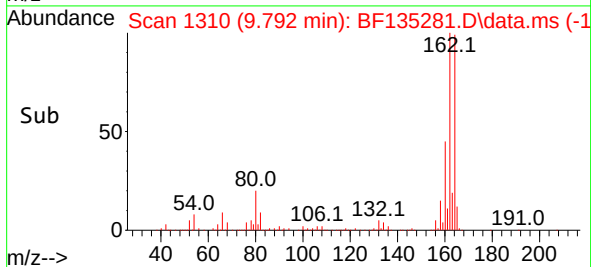
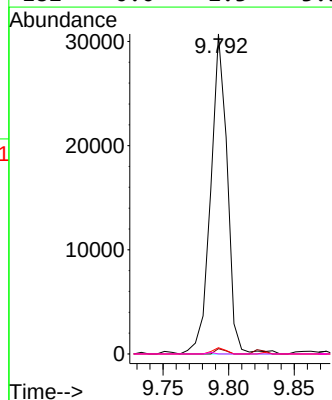
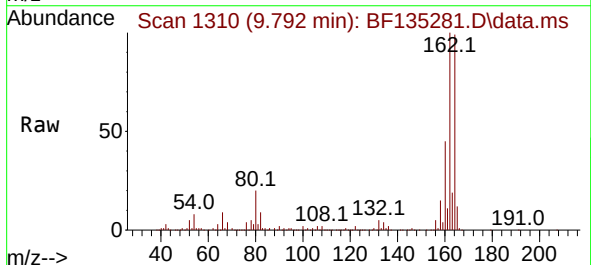
Instrument :
BNA_F
ClientSampleId :
WC-2(0-2)COMP

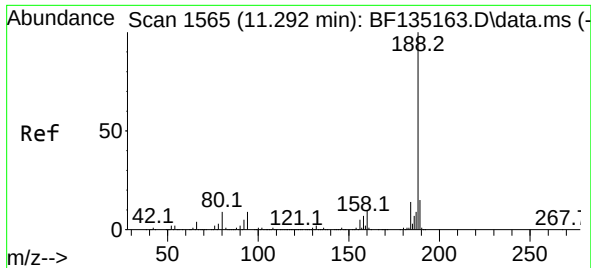
Tgt Ion:165 Resp: 27042
Ion Ratio Lower Upper
165 100
63 1.7 59.4 89.2#
89 1.9 49.8 74.8#



#57
2,4-Dinitrotoluene
Concen: 7.187 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.212 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

Tgt Ion:165 Resp: 27042
Ion Ratio Lower Upper
165 100
63 1.7 50.1 75.1#
89 1.9 59.3 88.9#
182 0.0 2.3 3.5#

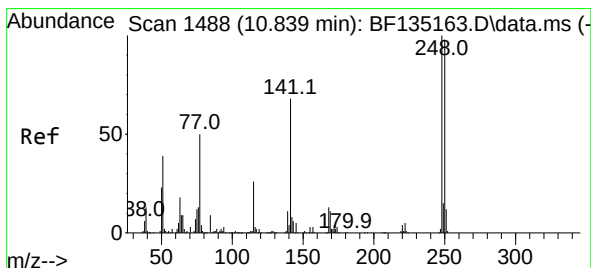
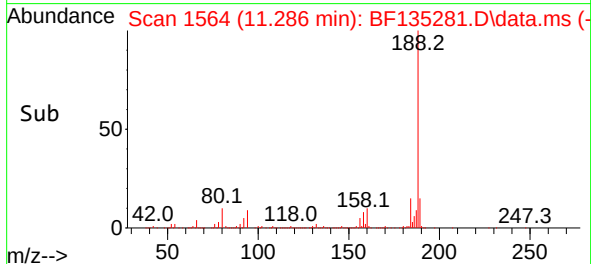
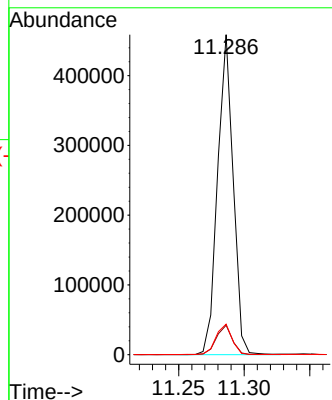
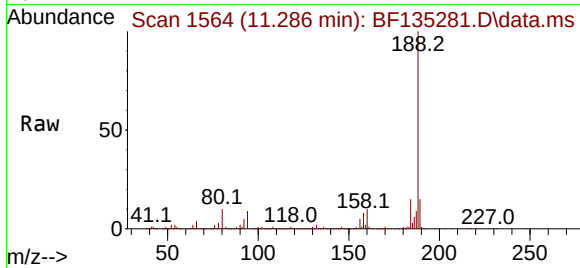




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

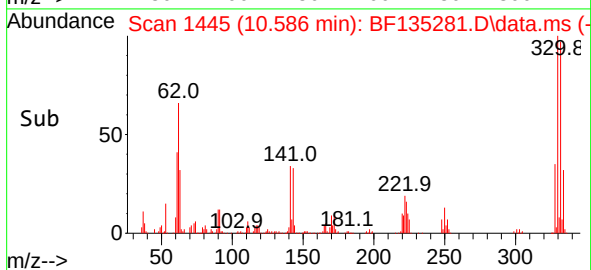
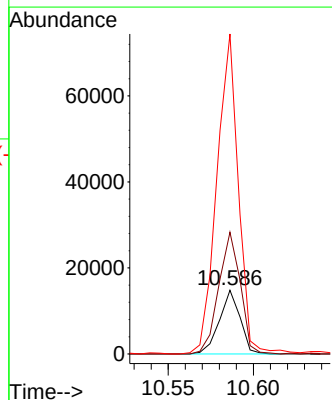
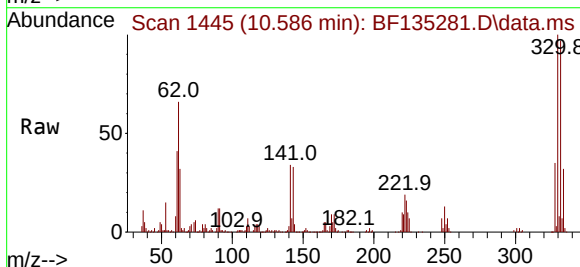
Instrument :
BNA_F
ClientSampleId :
WC-2(0-2)COMP

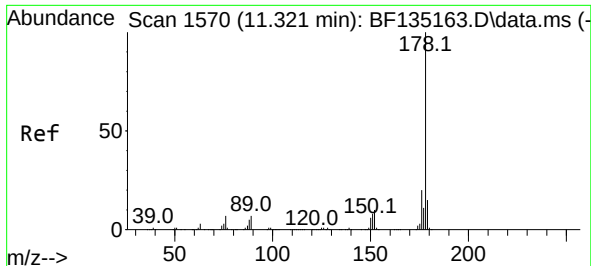
Tgt Ion:188 Resp: 378169
Ion Ratio Lower Upper
188 100
94 9.2 7.0 10.6
80 9.6 7.5 11.3



#67
4-Bromophenyl-phenylether
Concen: 3.328 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.253 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

Tgt Ion:248 Resp: 12519
Ion Ratio Lower Upper
248 100
250 191.3 78.6 117.8#
141 502.7 54.2 81.2#

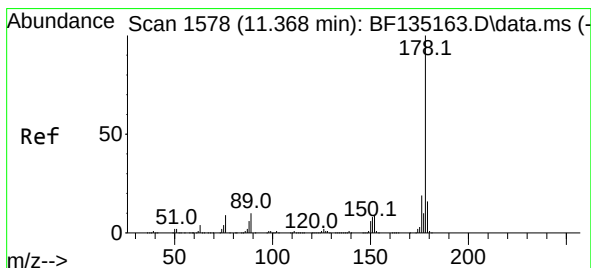
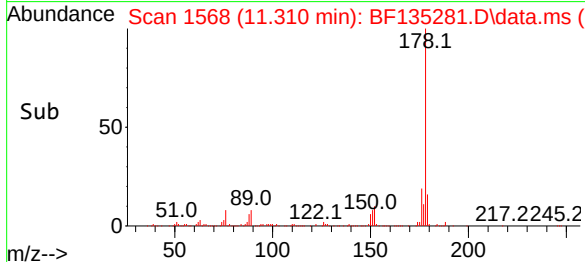
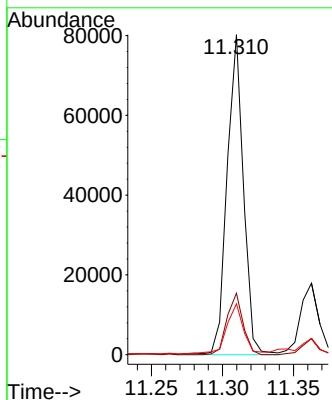
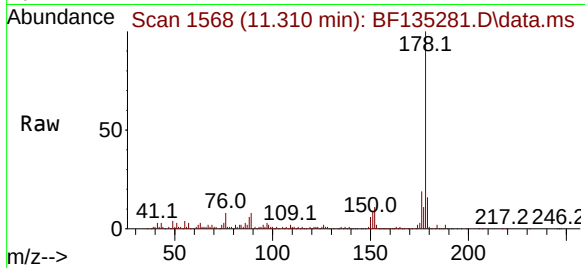




#71
Phenanthrene
Concen: 3.585 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

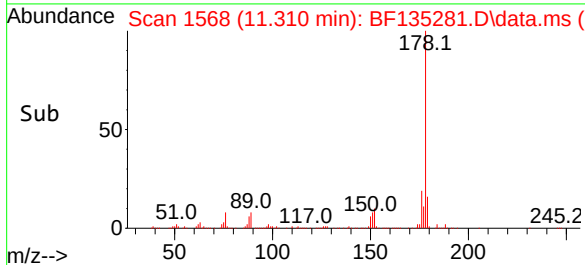
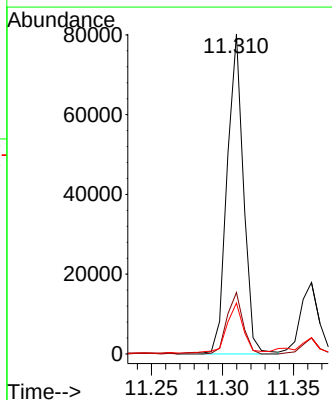
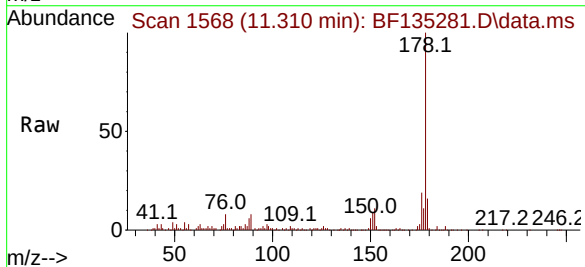
Instrument :
BNA_F
ClientSampleId :
WC-2(0-2)COMP

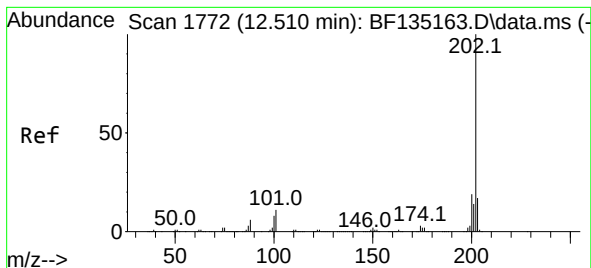
Tgt Ion:178 Resp: 64116
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.9 12.0 18.0



#72
Anthracene
Concen: 3.487 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.059 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

Tgt Ion:178 Resp: 64116
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.9 12.6 19.0





#75

Fluoranthene

Concen: 6.070 ng

RT: 12.504 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135281.D

Acq: 15 Sep 2023 16:11

Instrument :

BNA_F

ClientSampleId :

WC-2(0-2)COMP

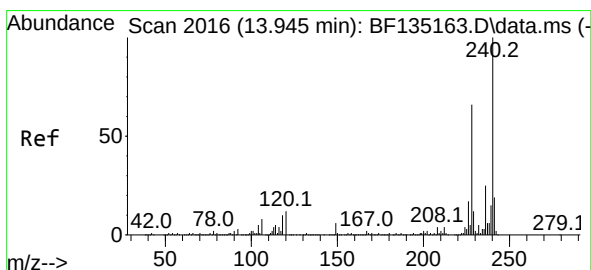
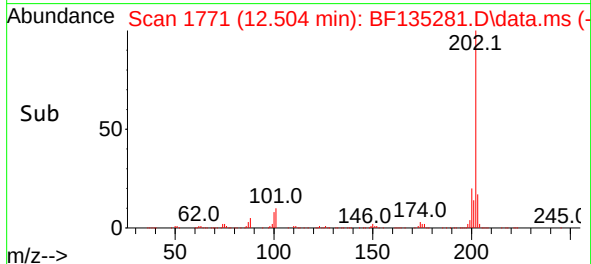
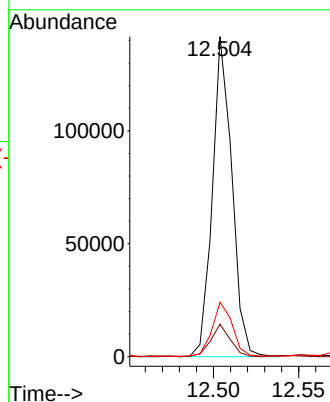
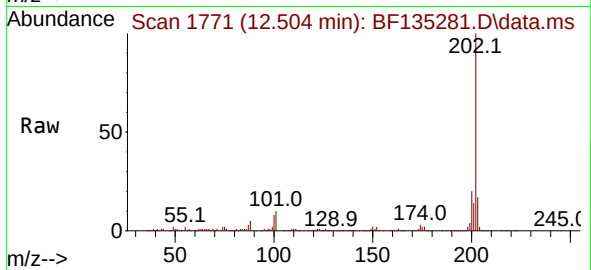
Tgt Ion:202 Resp: 113118

Ion Ratio Lower Upper

202 100

101 10.2 0.0 31.3

203 17.0 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: BF135281.D

Acq: 15 Sep 2023 16:11

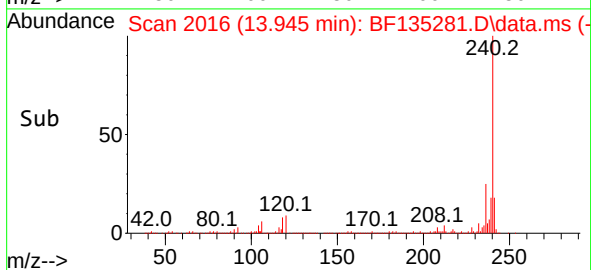
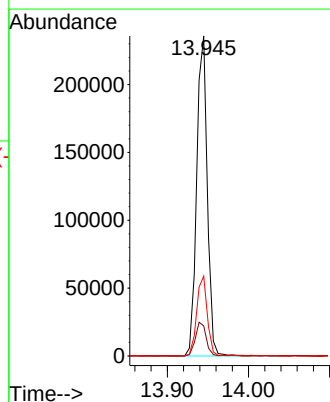
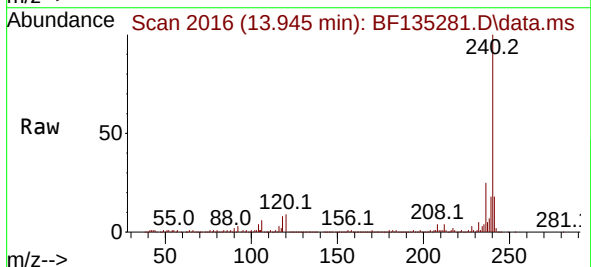
Tgt Ion:240 Resp: 215490

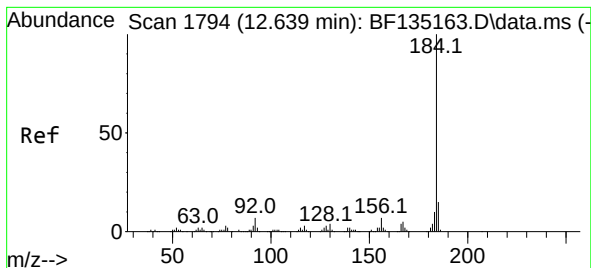
Ion Ratio Lower Upper

240 100

120 9.4 9.4 14.2#

236 24.9 19.8 29.8





#77

Benzidine

Concen: 2.205 ng

RT: 12.886 min Scan# 1836

Delta R.T. 0.247 min

Lab File: BF135281.D

Acq: 15 Sep 2023 16:11

Instrument :

BNA_F

ClientSampleId :

WC-2(0-2)COMP

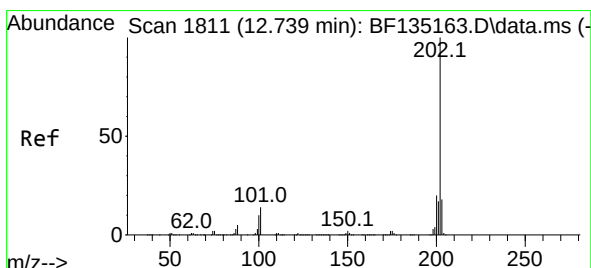
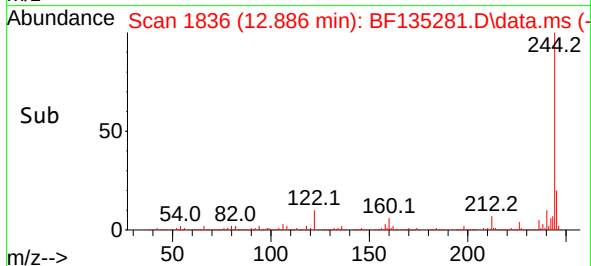
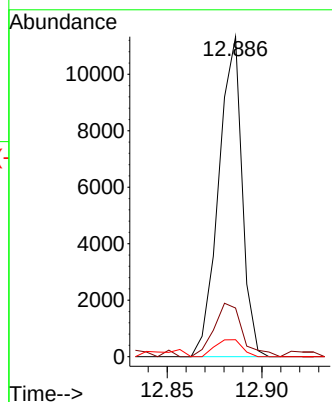
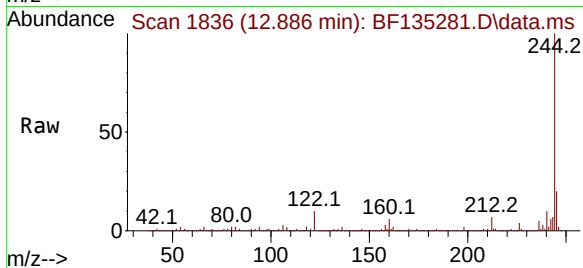
Tgt Ion:184 Resp: 9736

Ion Ratio Lower Upper

184 100

185 15.2 11.7 17.5

183 5.3 8.2 12.4#



#78

Pyrene

Concen: 4.718 ng

RT: 12.733 min Scan# 1810

Delta R.T. -0.006 min

Lab File: BF135281.D

Acq: 15 Sep 2023 16:11

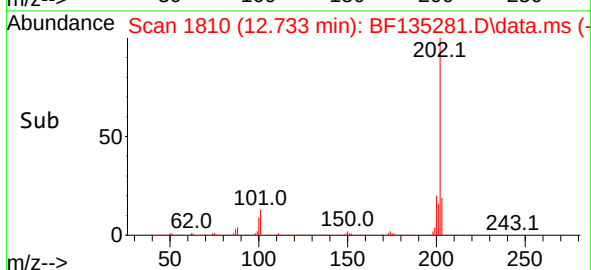
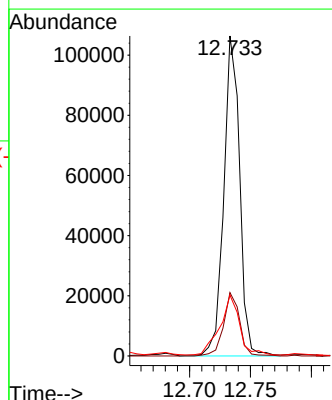
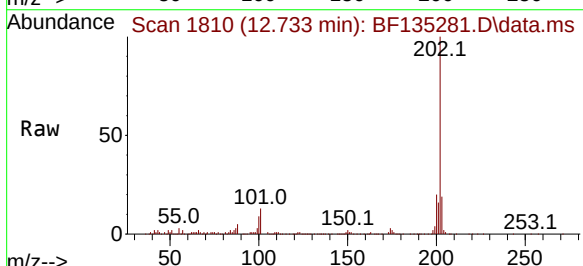
Tgt Ion:202 Resp: 96797

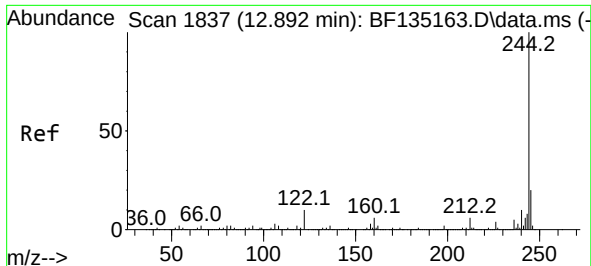
Ion Ratio Lower Upper

202 100

200 19.8 16.2 24.2

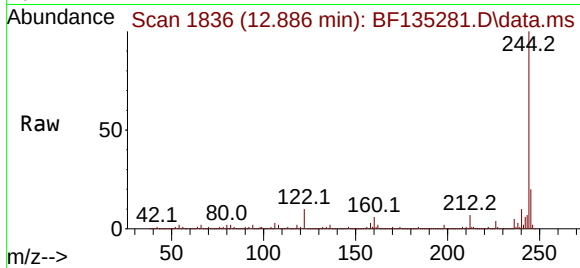
203 19.0 14.2 21.4



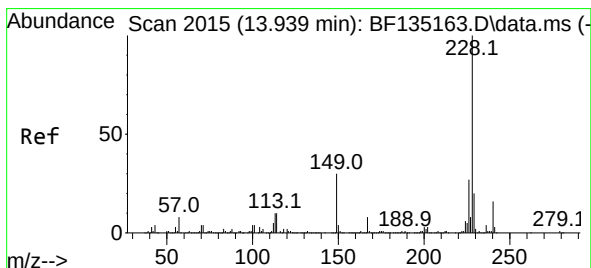
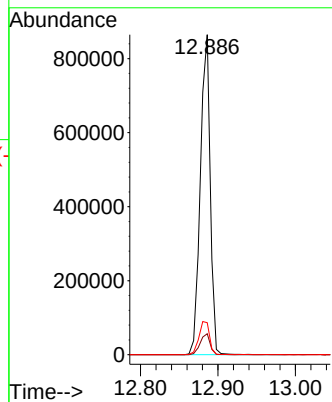
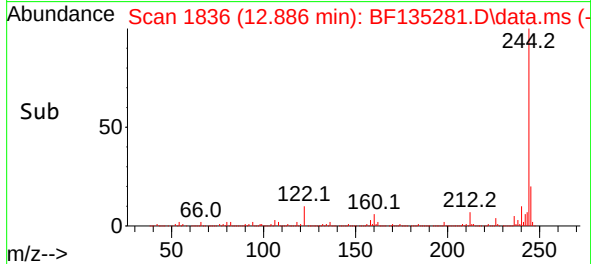


#79
 Terphenyl-d14
 Concen: 55.052 ng
 RT: 12.886 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF135281.D
 Acq: 15 Sep 2023 16:11

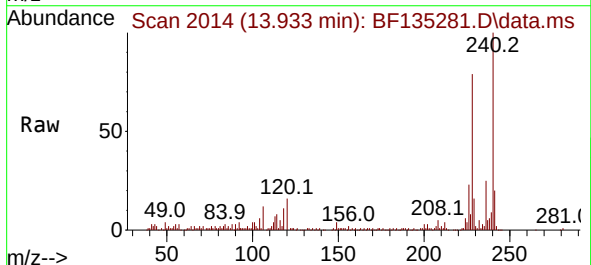
Instrument :
 BNA_F
 ClientSampleId :
 WC-2(0-2)COMP



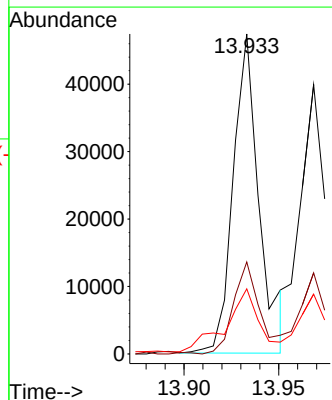
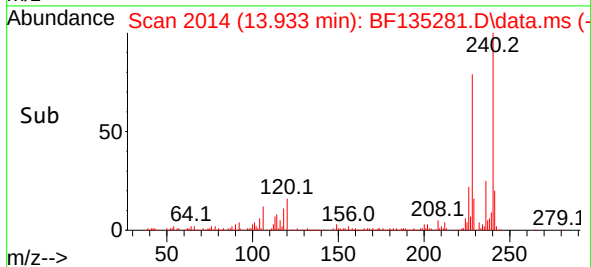
Tgt Ion:244 Resp: 765274
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.1 7.7
 122 10.0 7.9 11.9

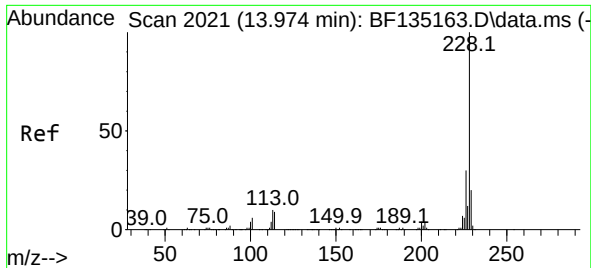


#81
 Benzo(a)anthracene
 Concen: 3.243 ng
 RT: 13.933 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF135281.D
 Acq: 15 Sep 2023 16:11



Tgt Ion:228 Resp: 45125
 Ion Ratio Lower Upper
 228 100
 226 28.7 21.7 32.5
 229 20.3 15.8 23.8

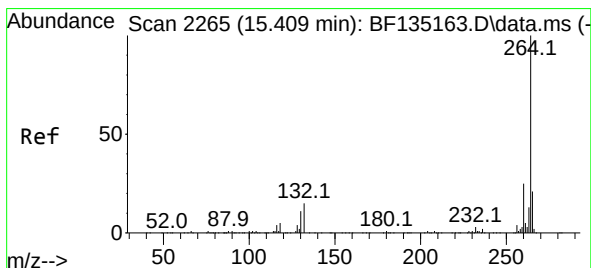
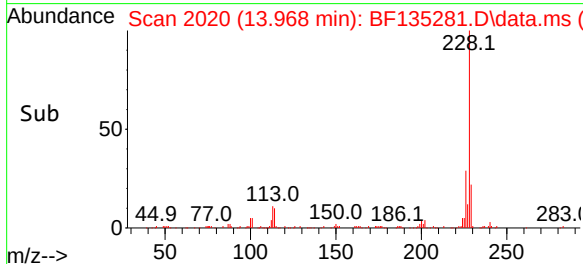
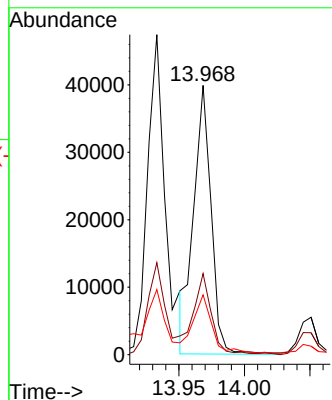
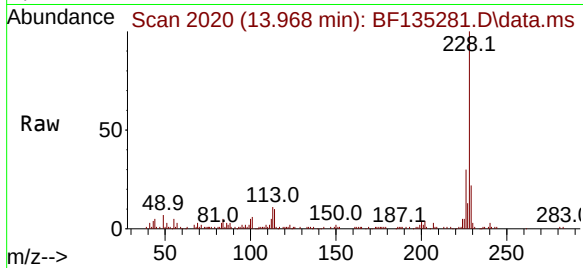




#83
Chrysene
Concen: 2.675 ng
RT: 13.968 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

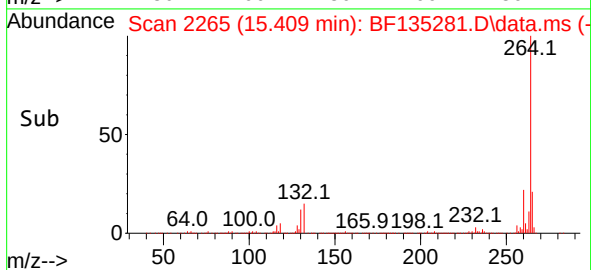
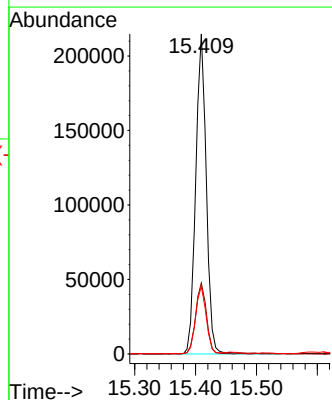
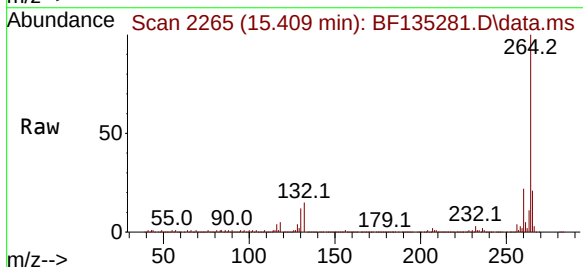
Instrument :
BNA_F
ClientSampleId :
WC-2(0-2)COMP

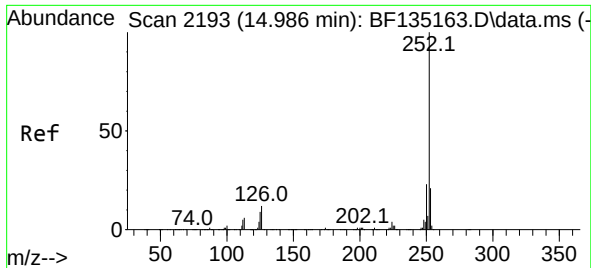
Tgt Ion:228	Resp:	37013
Ion Ratio	Lower	Upper
228	100	
226	30.1	24.3 36.5
229	22.2	16.0 24.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.409 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

Tgt Ion:264	Resp:	259120
Ion Ratio	Lower	Upper
264	100	
260	22.2	19.8 29.6
265	21.2	17.0 25.4

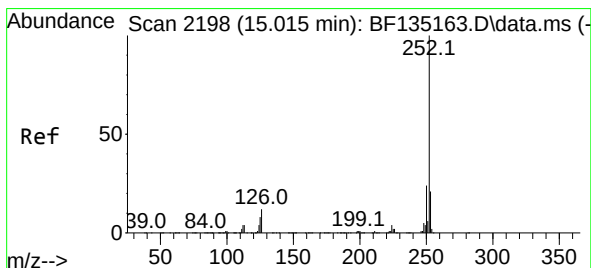
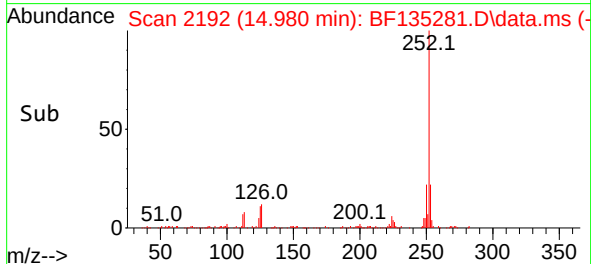
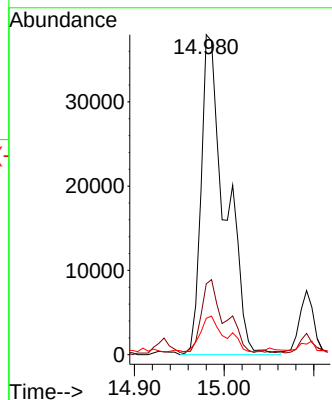
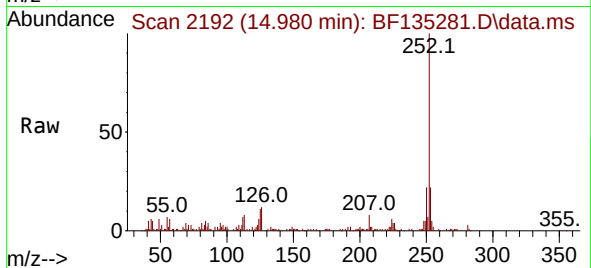




#88
Benzo(b)fluoranthene
Concen: 5.082 ng
RT: 14.980 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

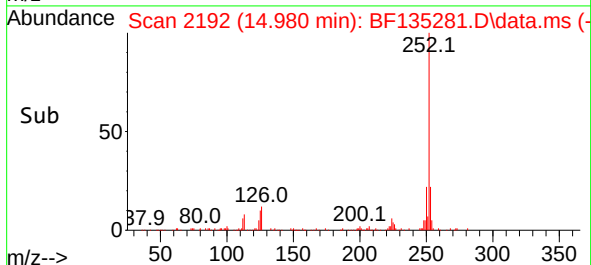
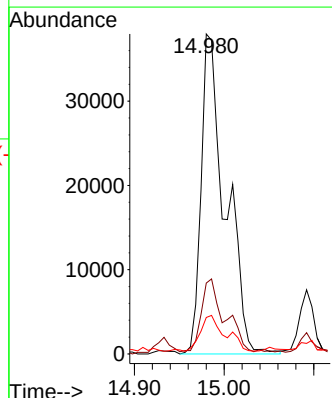
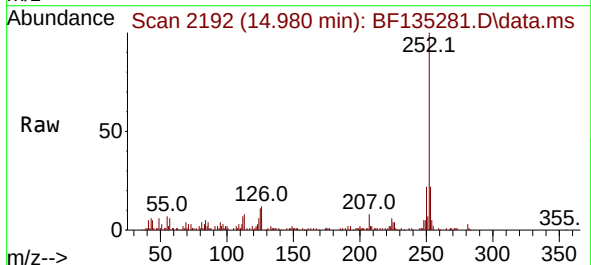
Instrument :
BNA_F
ClientSampleId :
WC-2(0-2)COMP

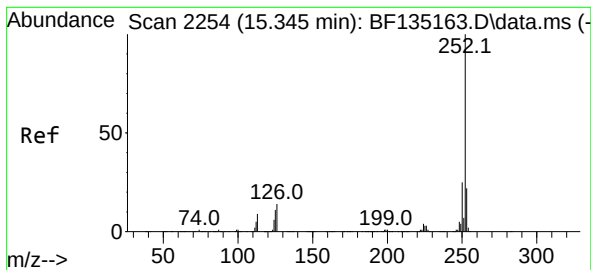
Tgt Ion:252 Resp: 71287
Ion Ratio Lower Upper
252 100
253 22.1 17.2 25.8
125 11.4 7.1 10.7#



#89
Benzo(k)fluoranthene
Concen: 5.145 ng
RT: 14.980 min Scan# 2192
Delta R.T. -0.035 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

Tgt Ion:252 Resp: 71287
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.0
125 11.4 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 2.870 ng

RT: 15.345 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135281.D

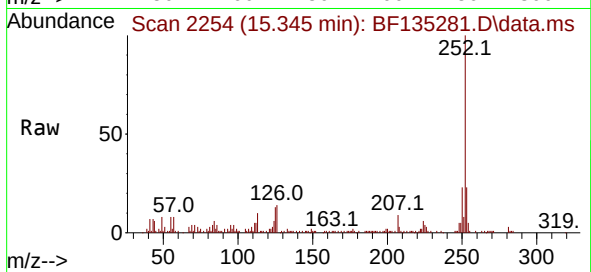
Acq: 15 Sep 2023 16:11

Instrument :

BNA_F

ClientSampleId :

WC-2(0-2)COMP



Tgt Ion:	252	Resp:	38392
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.5	26.3
125	12.6	9.2	13.8

