

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
 Data File : BF128001.D
 Acq On : 29 Apr 2022 18:13
 Operator : CG\JU
 Sample : N2609-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4

Quant Time: May 02 00:58:03 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 28 05:13:03 2022
 Response via : Initial Calibration

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

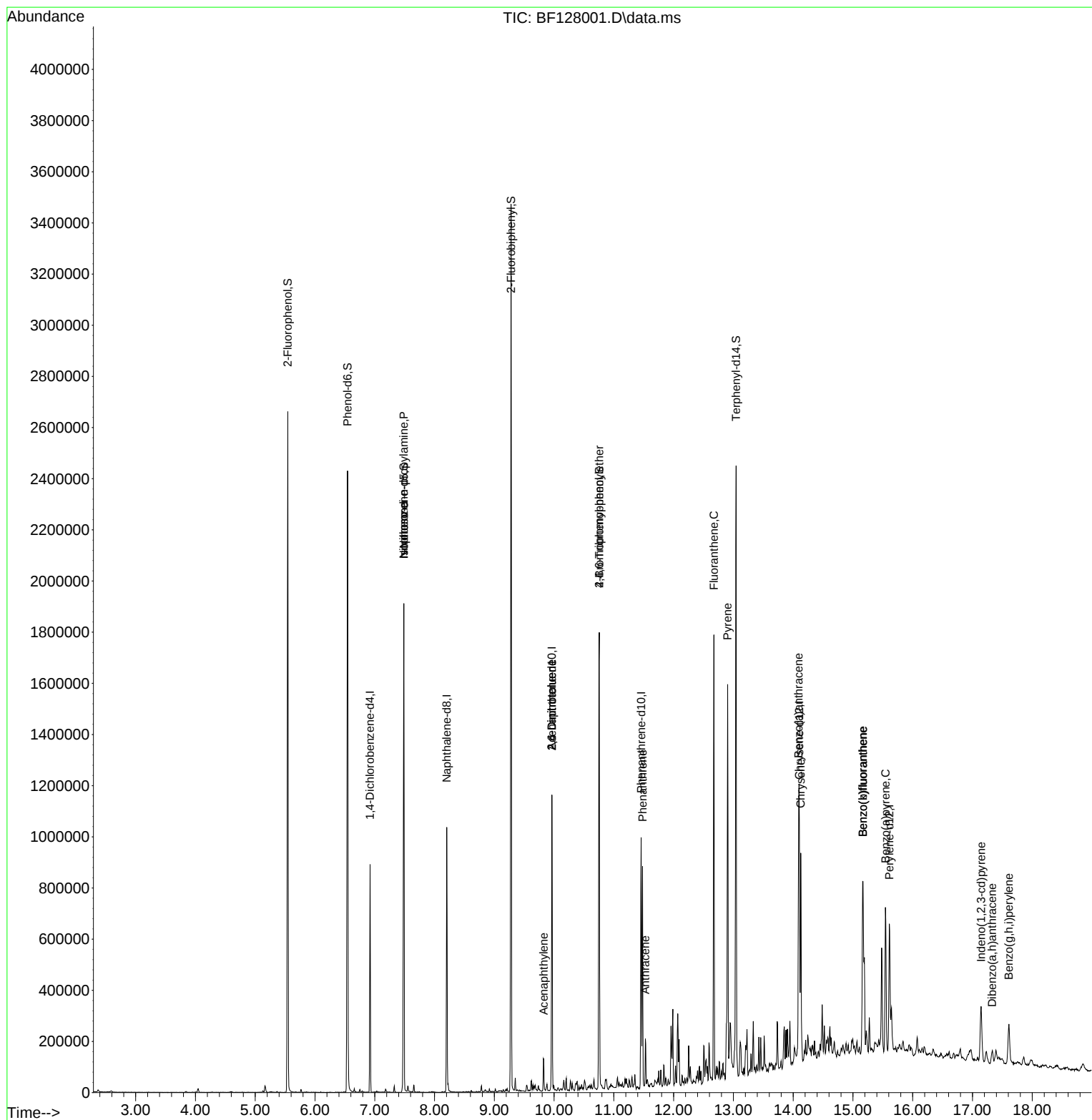
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	110240	20.000	ng	-0.01
21) Naphthalene-d8	8.204	136	417523	20.000	ng	-0.01
39) Acenaphthene-d10	9.963	164	224956	20.000	ng	-0.01
64) Phenanthrene-d10	11.457	188	352984	20.000	ng	-0.01
76) Chrysene-d12	14.104	240	222932	20.000	ng	-0.01
86) Perylene-d12	15.609	264	221275	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.545	112	661979	95.645	ng	0.00
7) Phenol-d6	6.545	99	870765	96.959	ng	-0.02
23) Nitrobenzene-d5	7.486	82	612244	68.955	ng	-0.02
42) 2,4,6-Tribromophenol	10.757	330	206622	91.241	ng	-0.01
45) 2-Fluorobiphenyl	9.280	172	996464	74.937	ng	-0.01
79) Terphenyl-d14	13.045	244	808781	66.339	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.486	70	82585	15.022	ng	# 81
25) Isophorone	7.486	82	610626	40.861	ng	# 68
49) Acenaphthylene	9.827	152	51266	2.642	ng	98
51) 2,6-Dinitrotoluene	9.963	165	28682	8.781	ng	# 22
57) 2,4-Dinitrotoluene	9.963	165	28682	6.629	ng	# 26
67) 4-Bromophenyl-phenylether	10.757	248	13102	3.348	ng	# 1
71) Phenanthrene	11.480	178	292089	15.808	ng	99
72) Anthracene	11.527	178	77725	4.223	ng	99
75) Fluoranthene	12.674	202	642471	33.038	ng	97
78) Pyrene	12.904	202	609358	33.860	ng	99
81) Benzo(a)anthracene	14.092	228	355287	23.910	ng	96
83) Chrysene	14.127	228	303529	21.389	ng	98
87) Indeno(1,2,3-cd)pyrene	17.145	276	153247	10.376	ng	94
88) Benzo(b)fluoranthene	15.168	252	546160	39.298	ng	99
89) Benzo(k)fluoranthene	15.168	252	546160	39.006	ng	97
90) Benzo(a)pyrene	15.545	252	277369	24.060	ng	98
91) Dibenzo(a,h)anthracene	17.327	278	31443	2.654	ng	95
92) Benzo(g,h,i)perylene	17.609	276	132587	10.621	ng	98

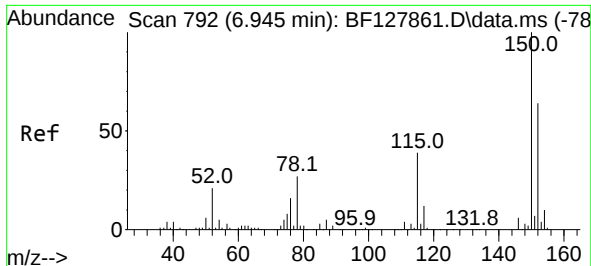
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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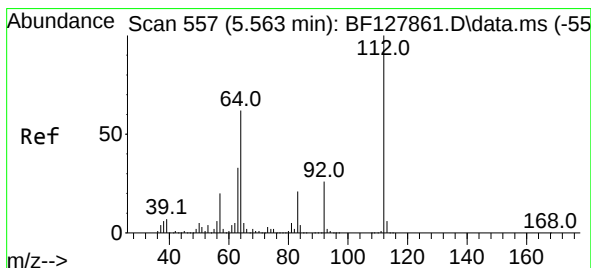
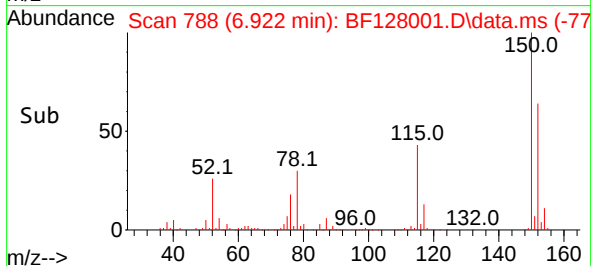
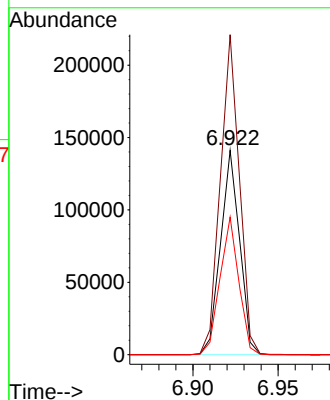
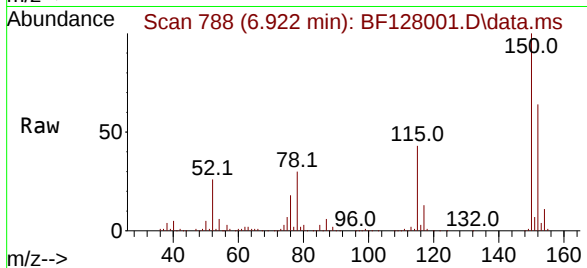




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 792
Delta R.T. -0.012 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

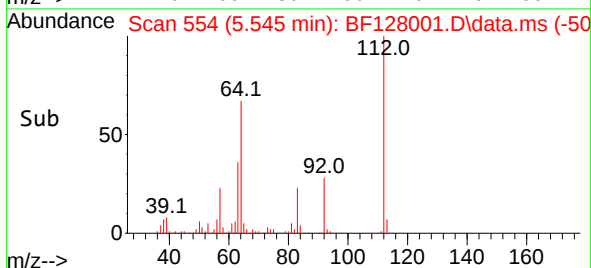
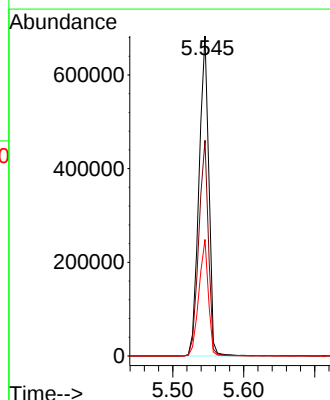
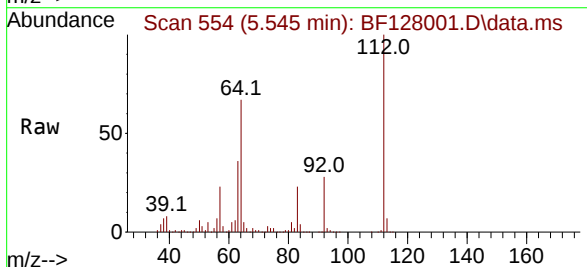
Instrument :
BNA_F
ClientSampleId :
WC-4

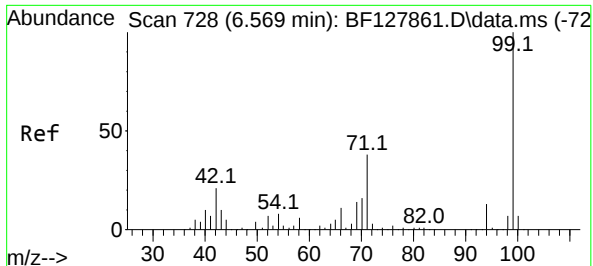
Tgt Ion:152 Resp: 110240
Ion Ratio Lower Upper
152 100
150 156.6 125.3 187.9
115 67.3 48.8 73.2



#5
2-Fluorophenol
Concen: 95.645 ng
RT: 5.545 min Scan# 554
Delta R.T. -0.006 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

Tgt Ion:112 Resp: 661979
Ion Ratio Lower Upper
112 100
64 67.4 49.5 74.3
63 36.4 26.3 39.5

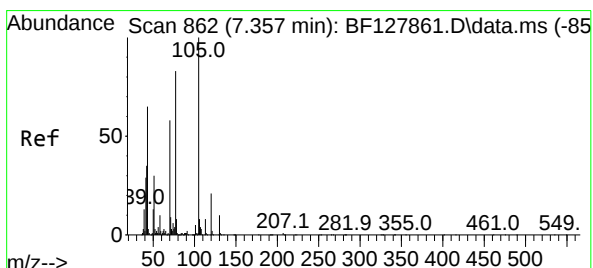
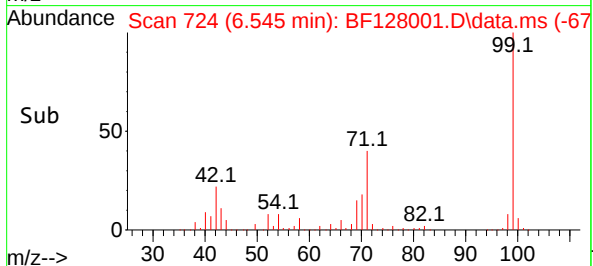
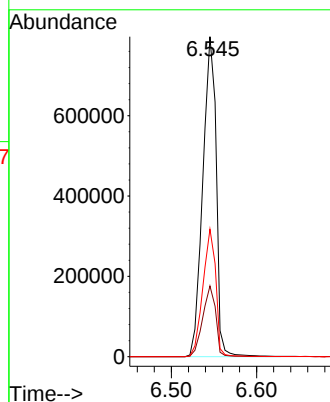
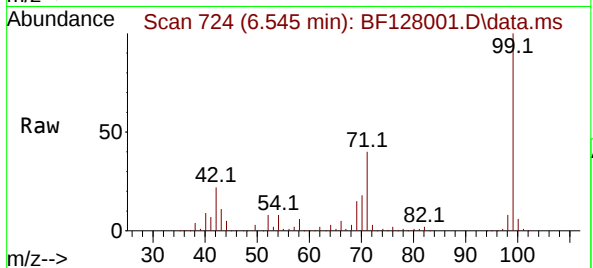




#7
Phenol-d6
Concen: 96.959 ng
RT: 6.545 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

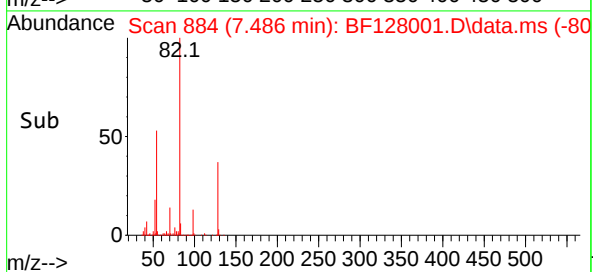
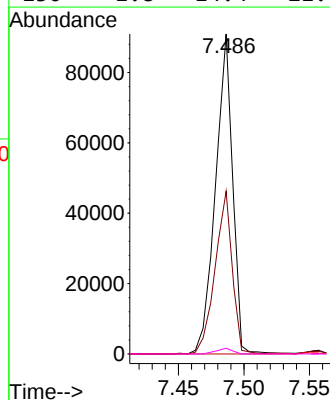
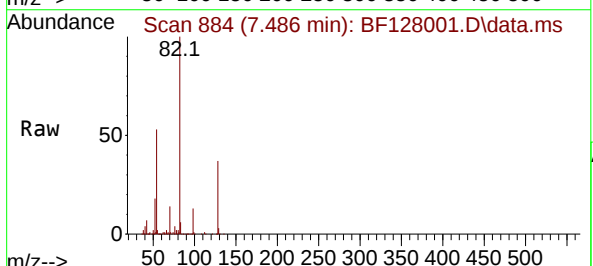
Instrument :
BNA_F
ClientSampleId :
WC-4

Tgt Ion: 99 Resp: 870765
Ion Ratio Lower Upper
99 100
42 22.1 16.6 24.8
71 39.9 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 15.022 ng
RT: 7.486 min Scan# 884
Delta R.T. 0.141 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

Tgt Ion: 70 Resp: 82585
Ion Ratio Lower Upper
70 100
42 50.8 48.7 73.1
101 0.0 7.2 10.8#
130 1.8 14.4 21.6#

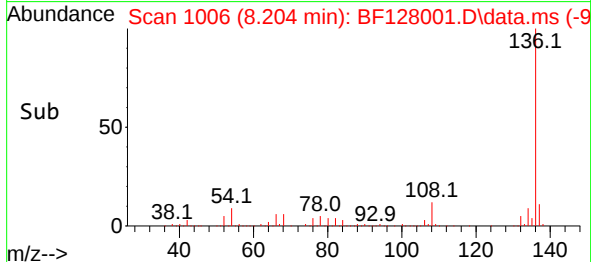
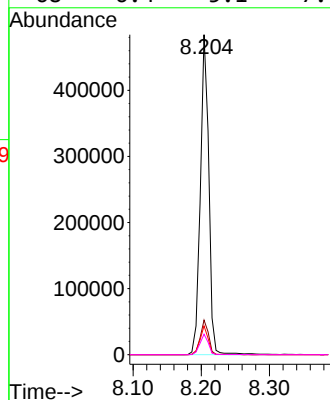
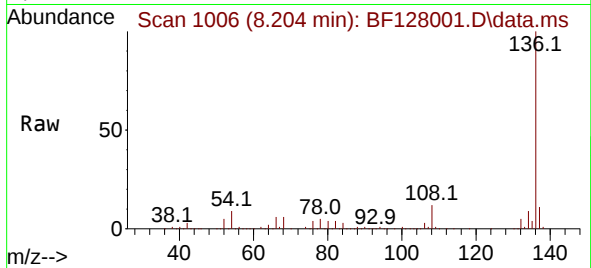




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1006
Delta R.T. -0.012 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

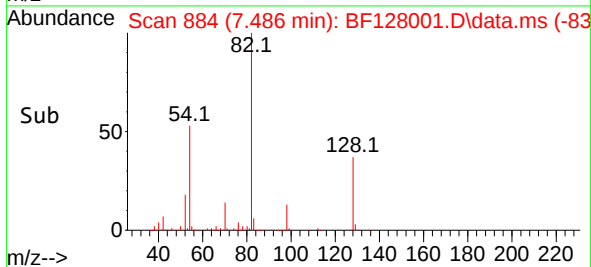
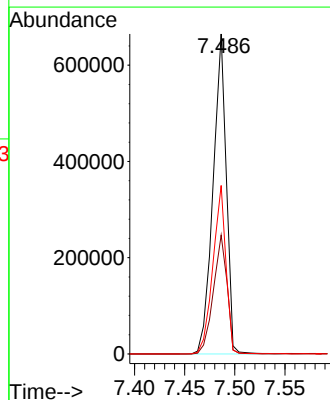
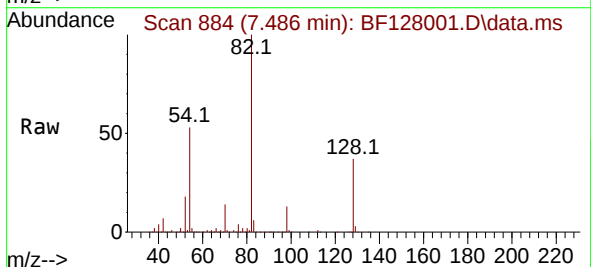
Instrument :
BNA_F
ClientSampleId :
WC-4

Tgt Ion:	136	Resp:	417523
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.0	6.8	10.2
68	6.4	5.1	7.7



#23
Nitrobenzene-d5
Concen: 68.955 ng
RT: 7.486 min Scan# 884
Delta R.T. -0.018 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

Tgt Ion:	82	Resp:	612244
Ion	Ratio	Lower	Upper
82	100		
128	37.1	30.0	45.0
54	52.6	41.3	61.9

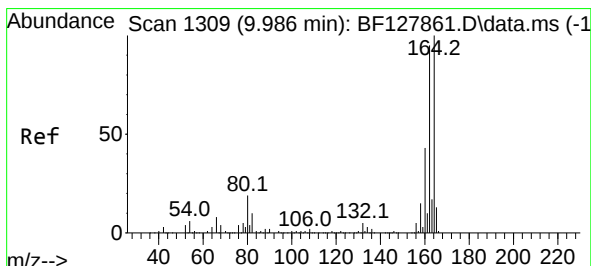
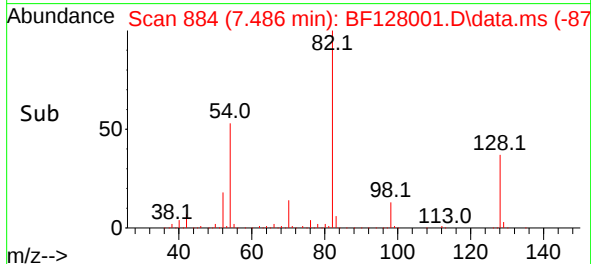
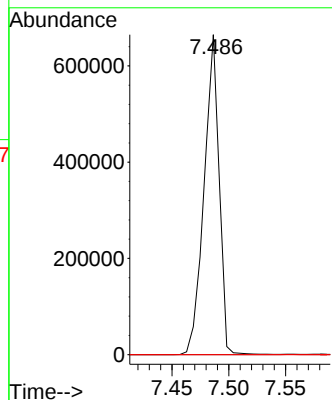
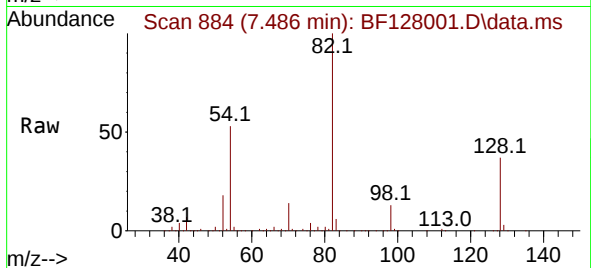




#25
Isophorone
Concen: 40.861 ng
RT: 7.486 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

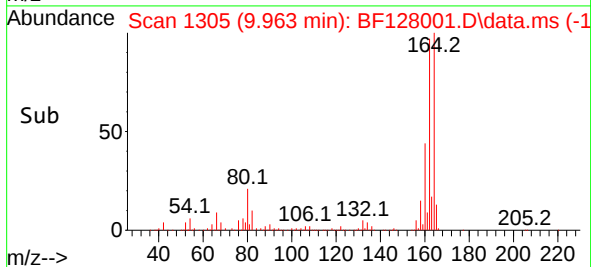
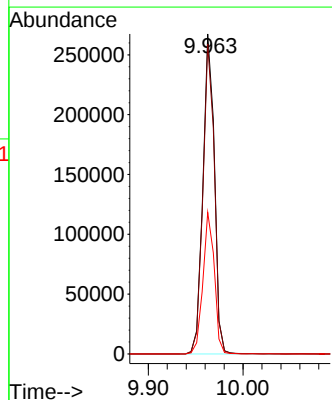
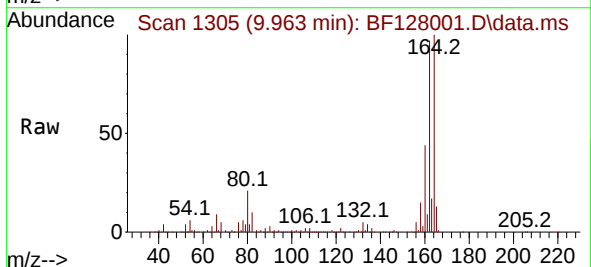
Instrument :
BNA_F
ClientSampleId :
WC-4

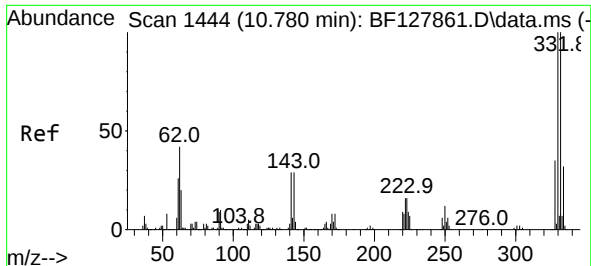
Tgt Ion: 82 Resp: 610626
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1305
Delta R.T. -0.012 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

Tgt Ion: 164 Resp: 224956
Ion Ratio Lower Upper
164 100
162 96.8 76.0 114.0
160 44.2 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 91.241 ng

RT: 10.757 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF128001.D

Acq: 29 Apr 2022 18:13

Instrument :

BNA_F

ClientSampleId :

WC-4

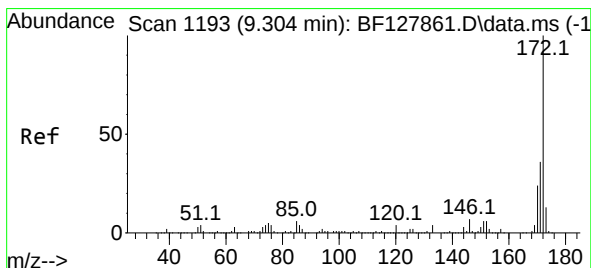
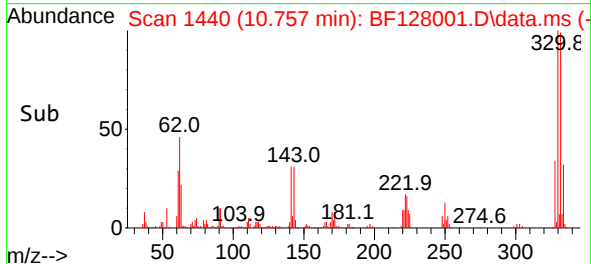
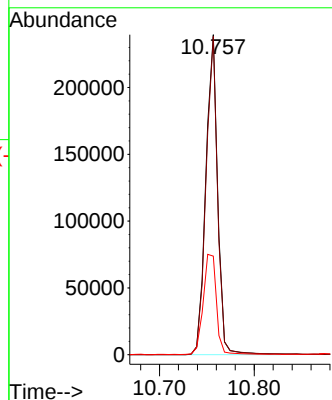
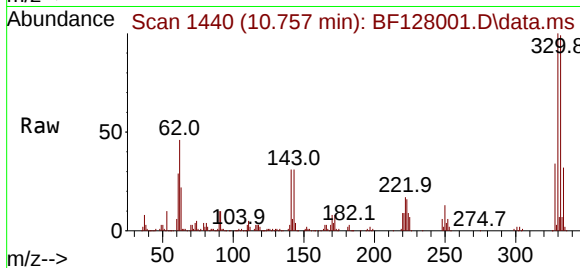
Tgt Ion:330 Resp: 206622

Ion Ratio Lower Upper

330 100

332 98.0 79.0 118.4

141 35.1 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 74.937 ng

RT: 9.280 min Scan# 1189

Delta R.T. -0.012 min

Lab File: BF128001.D

Acq: 29 Apr 2022 18:13

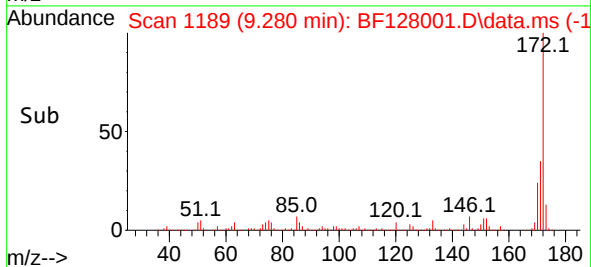
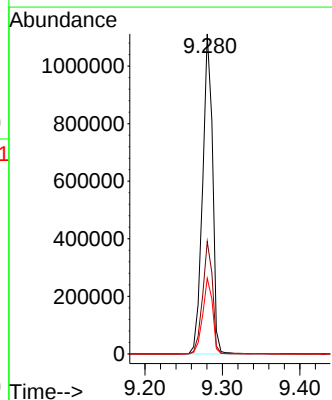
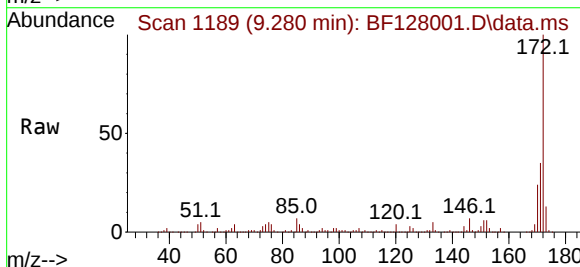
Tgt Ion:172 Resp: 996464

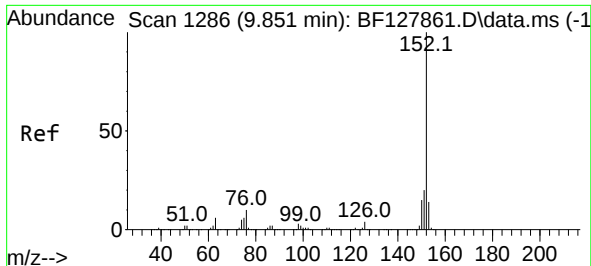
Ion Ratio Lower Upper

172 100

171 35.2 28.6 42.8

170 23.6 19.1 28.7





#49

Acenaphthylene

Concen: 2.642 ng

RT: 9.827 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF128001.D

Acq: 29 Apr 2022 18:13

Instrument :

BNA_F

ClientSampleId :

WC-4

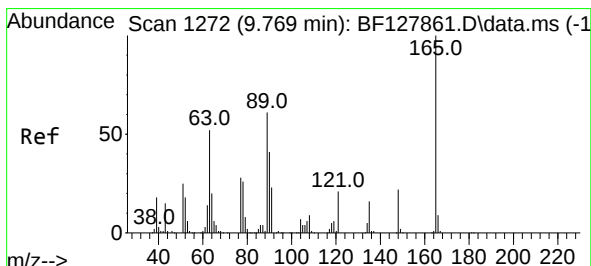
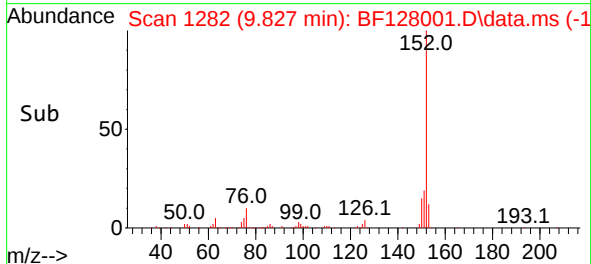
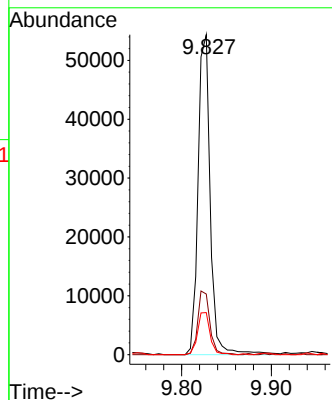
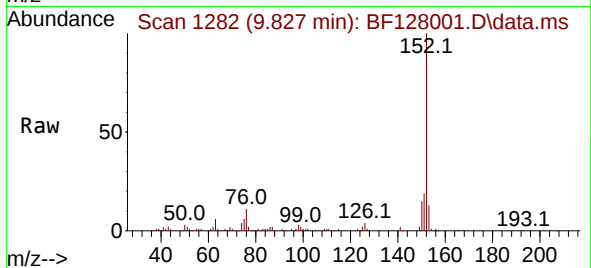
Tgt Ion:152 Resp: 51266

Ion Ratio Lower Upper

152 100

151 19.0 16.2 24.2

153 13.2 11.2 16.8



#51

2,6-Dinitrotoluene

Concen: 8.781 ng

RT: 9.963 min Scan# 1305

Delta R.T. 0.200 min

Lab File: BF128001.D

Acq: 29 Apr 2022 18:13

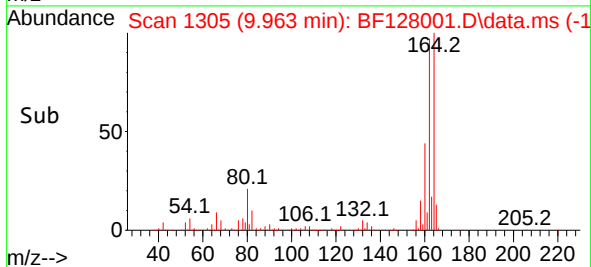
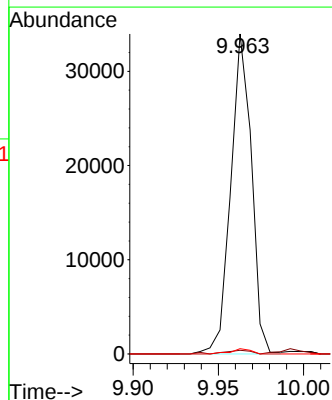
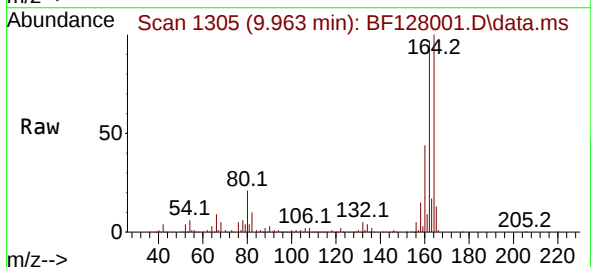
Tgt Ion:165 Resp: 28682

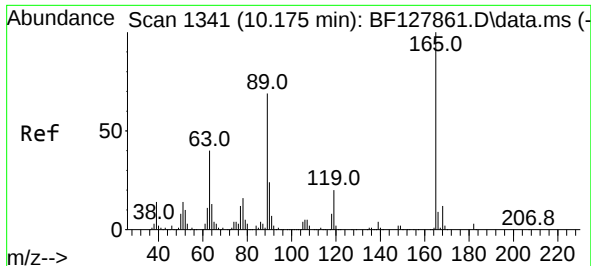
Ion Ratio Lower Upper

165 100

63 1.2 49.5 74.3#

89 1.7 49.0 73.4#

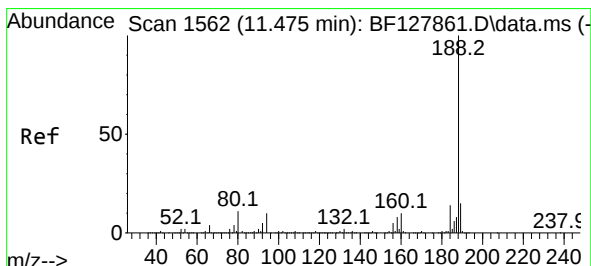
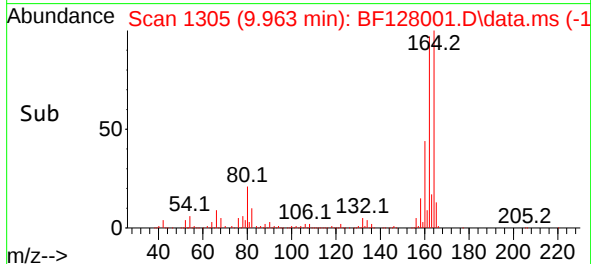
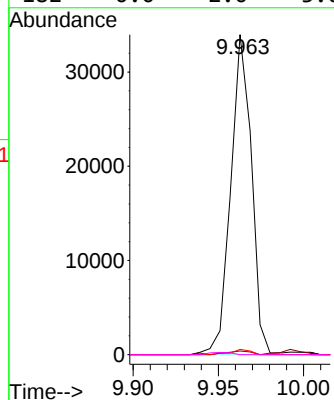
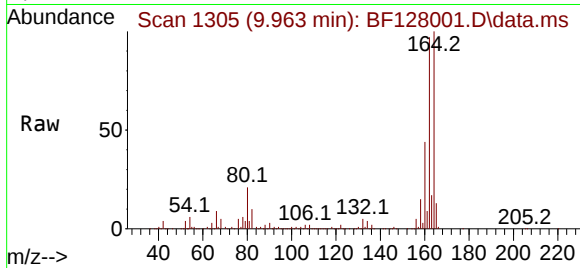




#57
2,4-Dinitrotoluene
Concen: 6.629 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

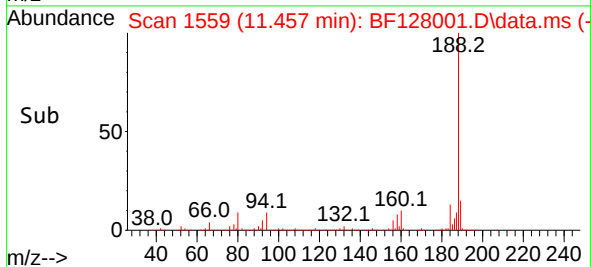
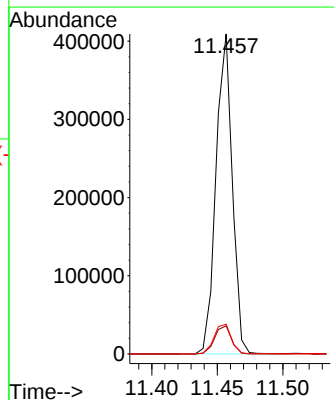
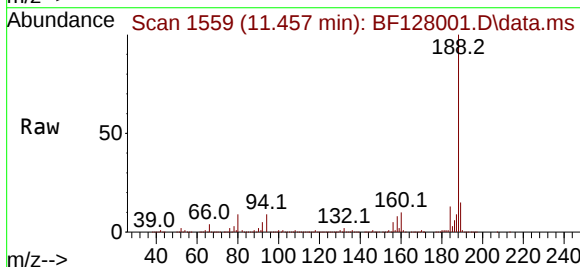
Instrument :
BNA_F
ClientSampleId :
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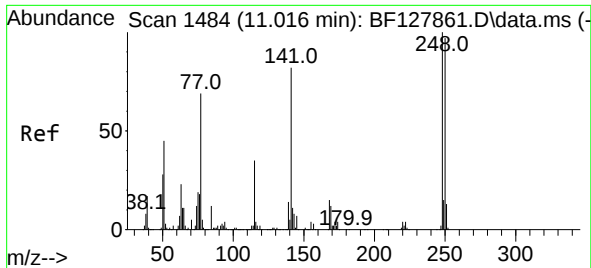
Tgt Ion:165 Resp: 28682
Ion Ratio Lower Upper
165 100
63 1.2 32.6 49.0#
89 1.7 55.2 82.8#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

Tgt Ion:188 Resp: 352984
Ion Ratio Lower Upper
188 100
94 8.8 8.0 12.0
80 9.3 8.9 13.3

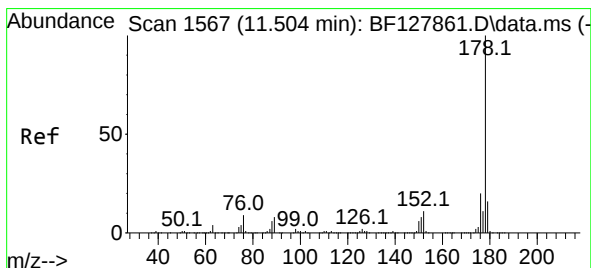
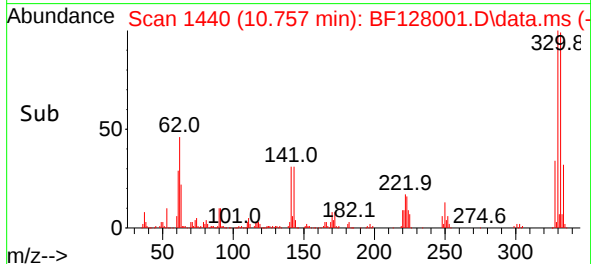
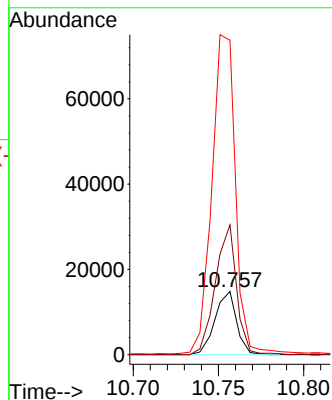
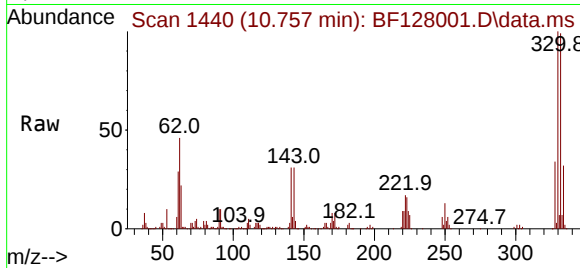




#67
4-Bromophenyl-phenylether
Concen: 3.348 ng
RT: 10.757 min Scan# 1484
Delta R.T. -0.253 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

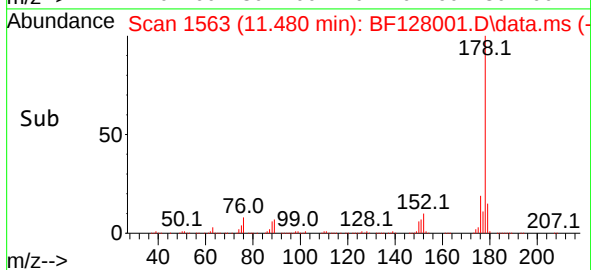
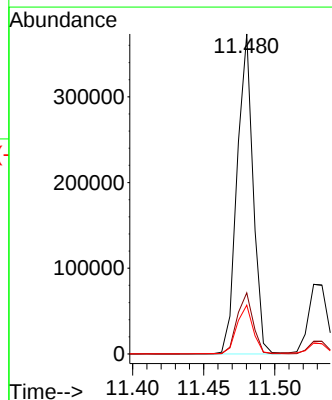
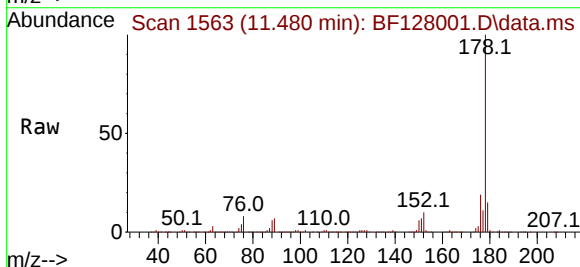
Instrument :
BNA_F
ClientSampleId :
WC-4

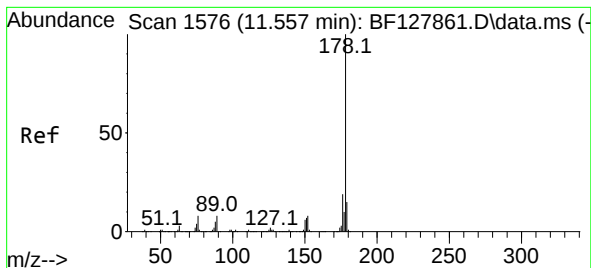
Tgt Ion:248 Resp: 13102
Ion Ratio Lower Upper
248 100
250 205.3 77.7 116.5#
141 496.6 65.6 98.4#



#71
Phenanthrene
Concen: 15.808 ng
RT: 11.480 min Scan# 1563
Delta R.T. -0.012 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

Tgt Ion:178 Resp: 292089
Ion Ratio Lower Upper
178 100
176 19.1 15.7 23.5
179 15.3 12.6 19.0





#72

Anthracene

Concen: 4.223 ng

RT: 11.527 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF128001.D

Acq: 29 Apr 2022 18:13

Instrument :

BNA_F

ClientSampleId :

WC-4

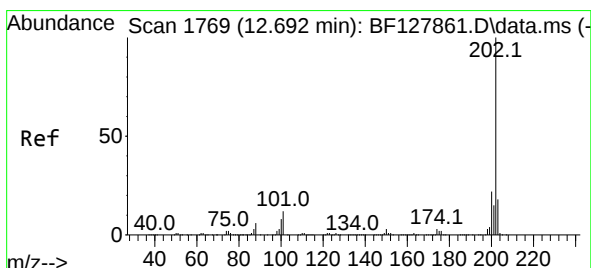
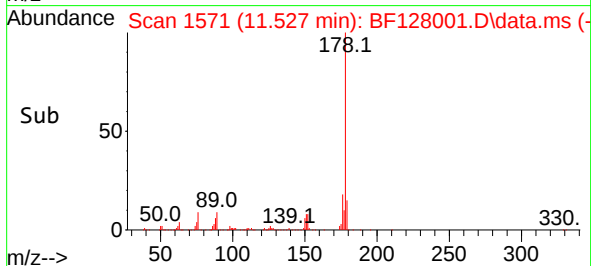
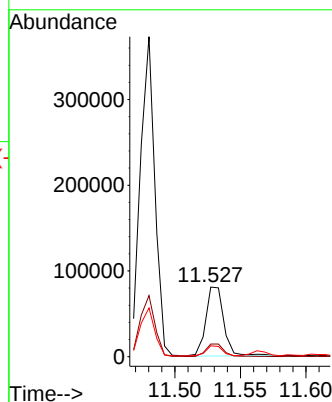
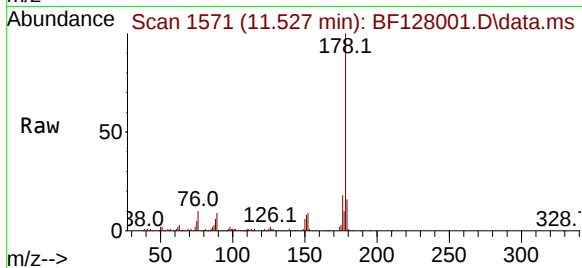
Tgt Ion:178 Resp: 77725

Ion Ratio Lower Upper

178 100

176 18.2 15.0 22.6

179 15.6 12.4 18.6



#75

Fluoranthene

Concen: 33.038 ng

RT: 12.674 min Scan# 1766

Delta R.T. -0.012 min

Lab File: BF128001.D

Acq: 29 Apr 2022 18:13

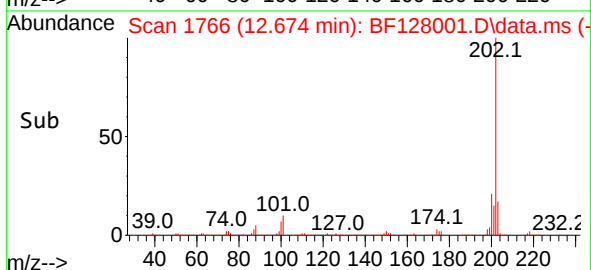
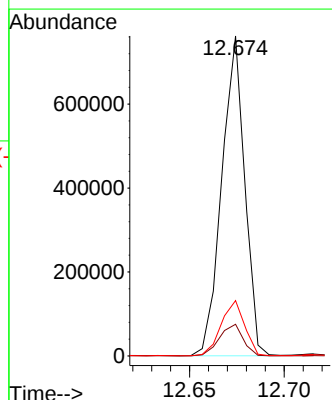
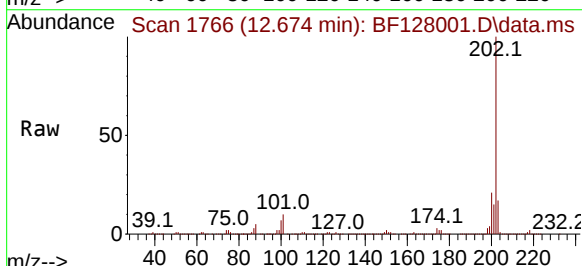
Tgt Ion:202 Resp: 642471

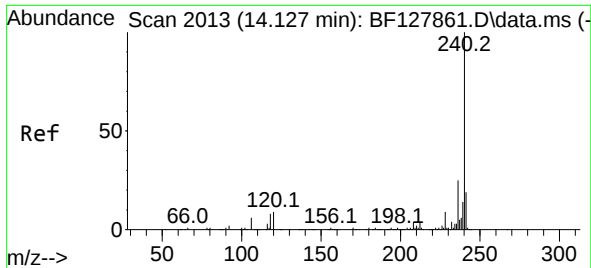
Ion Ratio Lower Upper

202 100

101 9.9 0.0 31.6

203 17.3 0.0 38.1

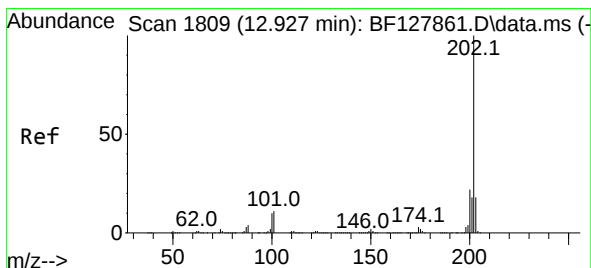
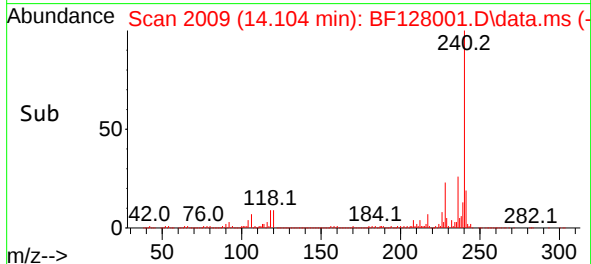
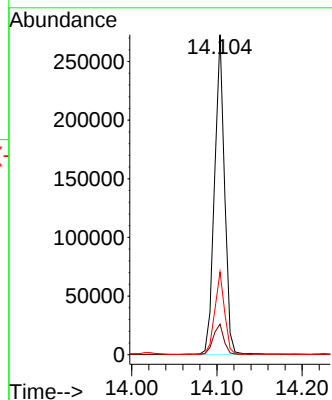
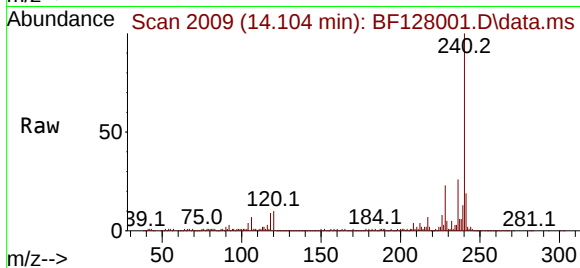




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.104 min Scan# 2013
Delta R.T. -0.012 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

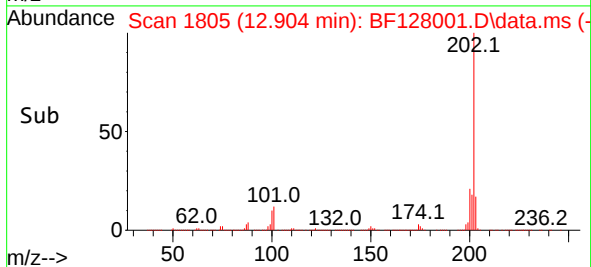
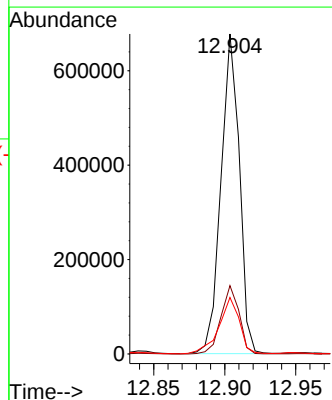
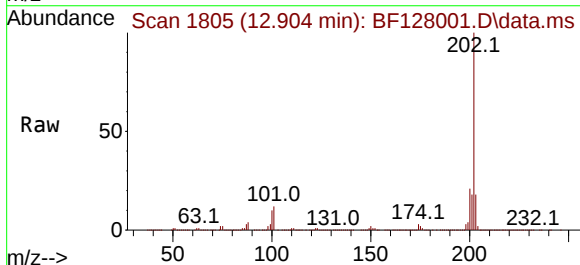
Instrument :
BNA_F
ClientSampleId :
WC-4

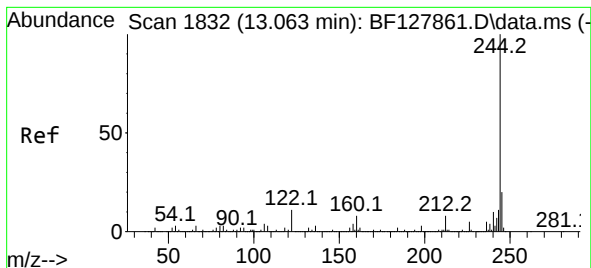
Tgt Ion:240 Resp: 222932
Ion Ratio Lower Upper
240 100
120 9.6 7.0 10.6
236 25.9 20.3 30.5



#78
Pyrene
Concen: 33.860 ng
RT: 12.904 min Scan# 1805
Delta R.T. -0.012 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

Tgt Ion:202 Resp: 609358
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 17.6 14.0 21.0





#79

Terphenyl-d14

Concen: 66.339 ng

RT: 13.045 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF128001.D

Acq: 29 Apr 2022 18:13

Instrument :

BNA_F

ClientSampleId :

WC-4

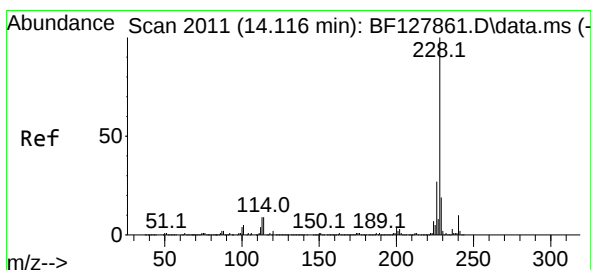
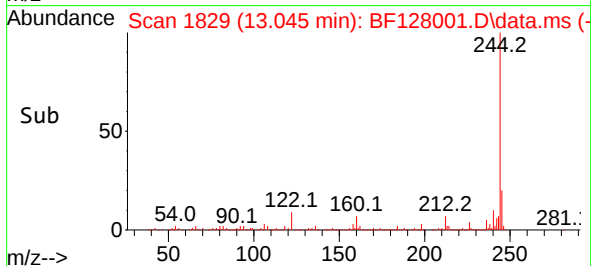
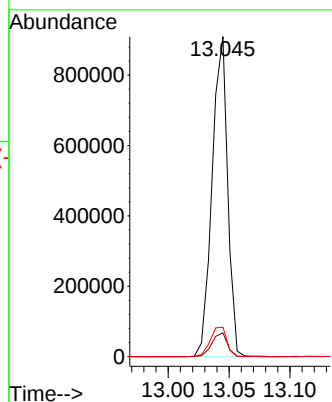
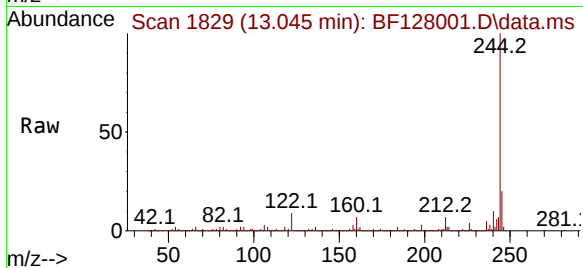
Tgt Ion:244 Resp: 808781

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.4

122 9.2 8.6 12.8



#81

Benzo(a)anthracene

Concen: 23.910 ng

RT: 14.092 min Scan# 2007

Delta R.T. -0.012 min

Lab File: BF128001.D

Acq: 29 Apr 2022 18:13

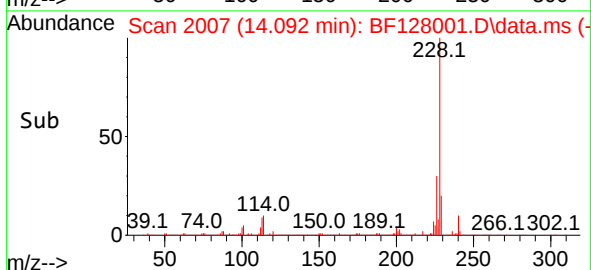
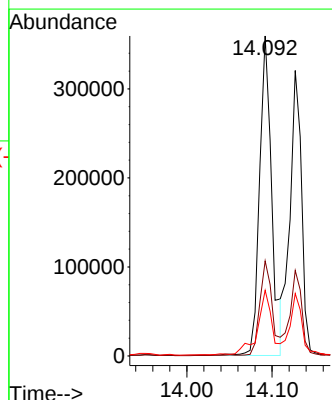
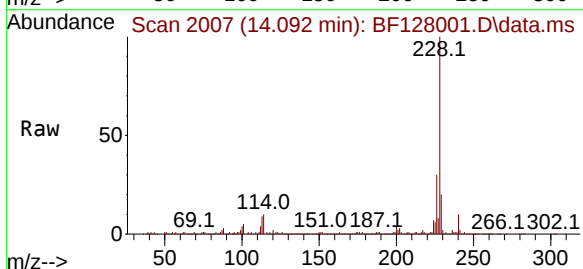
Tgt Ion:228 Resp: 355287

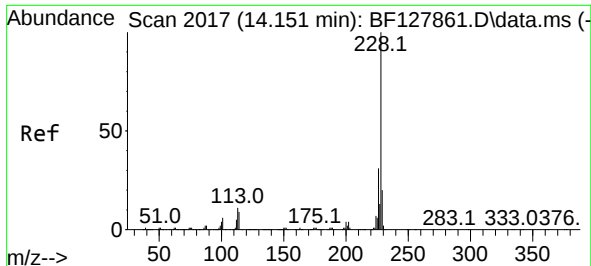
Ion Ratio Lower Upper

228 100

226 29.7 21.7 32.5

229 20.5 15.4 23.2

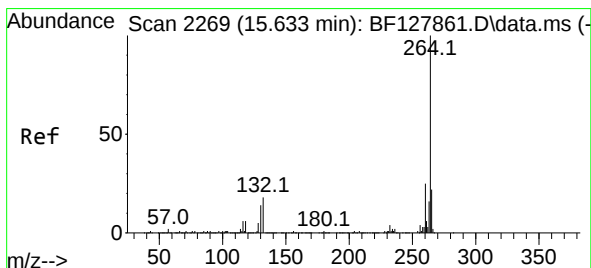
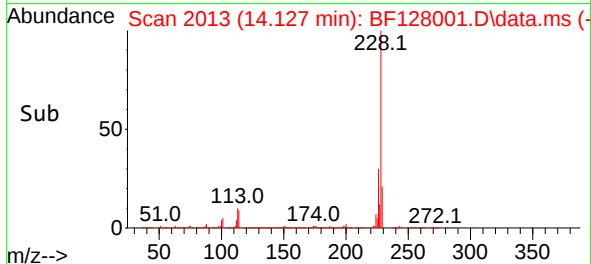
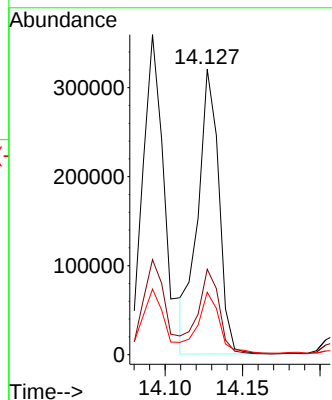
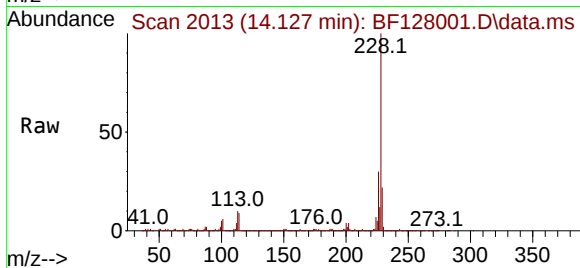




#83
Chrysene
Concen: 21.389 ng
RT: 14.127 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

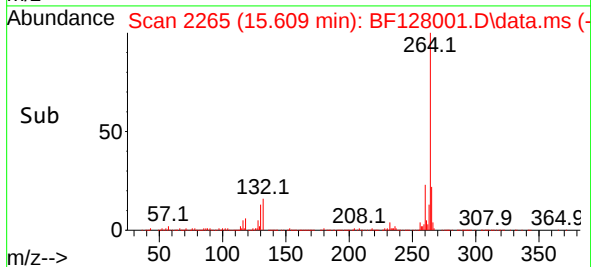
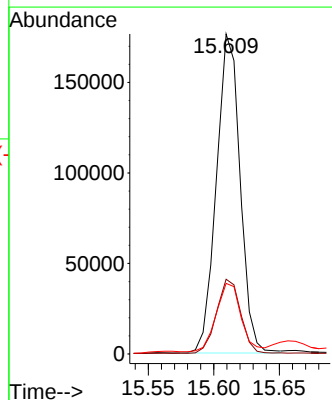
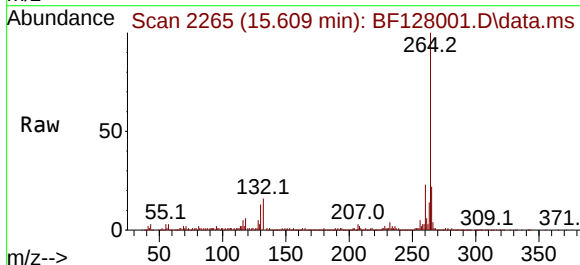
Instrument :
BNA_F
ClientSampleId :
WC-4

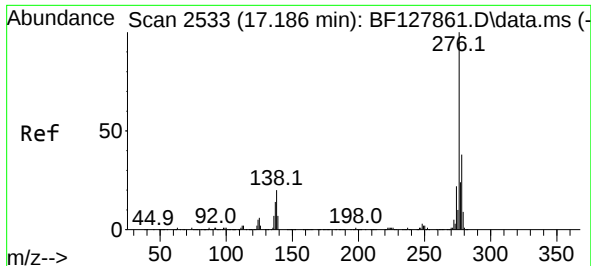
Tgt Ion:228 Resp: 303529
Ion Ratio Lower Upper
228 100
226 29.9 24.4 36.6
229 21.8 15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.609 min Scan# 2265
Delta R.T. -0.012 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

Tgt Ion:264 Resp: 221275
Ion Ratio Lower Upper
264 100
260 23.4 20.1 30.1
265 22.1 17.5 26.3

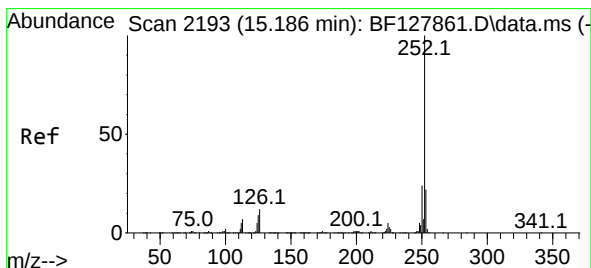
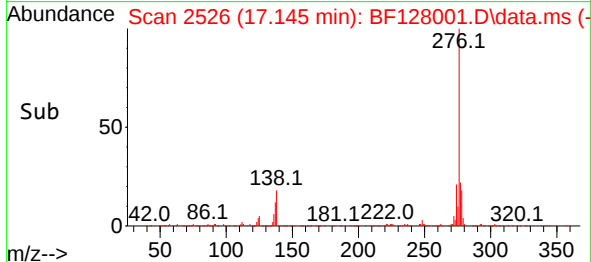
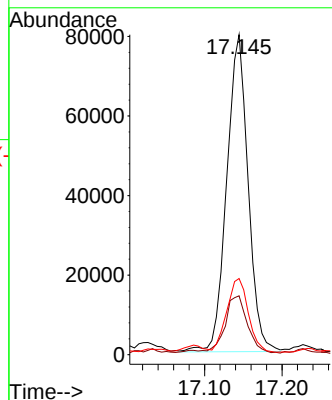
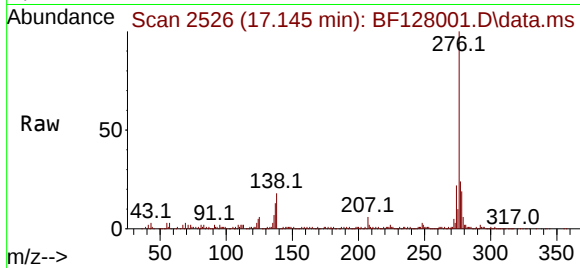




#87
Indeno(1,2,3-cd)pyrene
Concen: 10.376 ng
RT: 17.145 min Scan# 2190
Delta R.T. -0.024 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

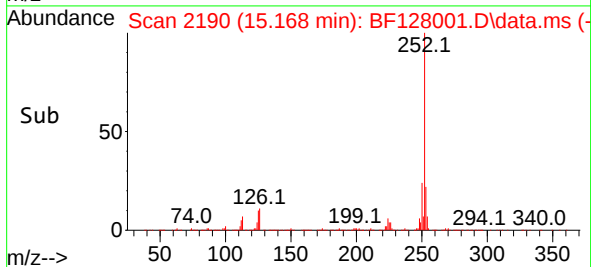
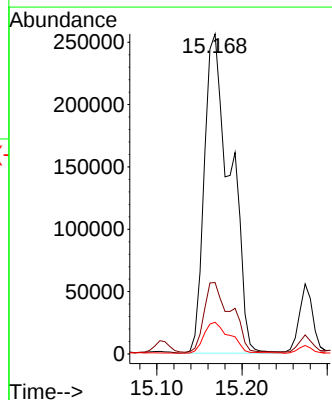
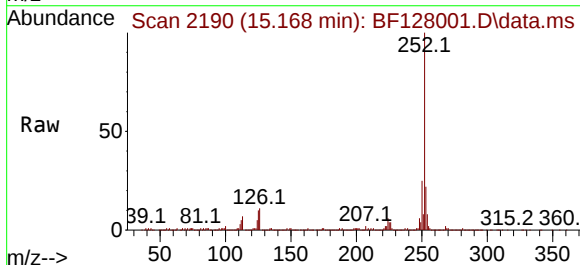
Instrument :
BNA_F
ClientSampleId :
WC-4

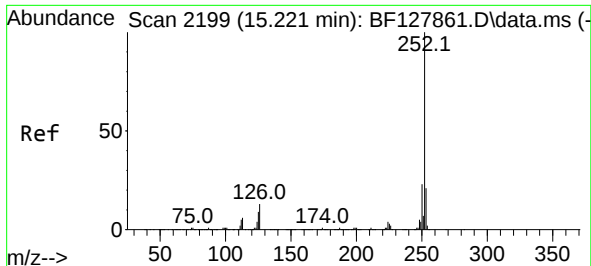
Tgt Ion:276 Resp: 153247
Ion Ratio Lower Upper
276 100
138 19.2 19.0 28.4
277 23.2 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 39.298 ng
RT: 15.168 min Scan# 2190
Delta R.T. -0.006 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

Tgt Ion:252 Resp: 546160
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 9.9 7.4 11.2

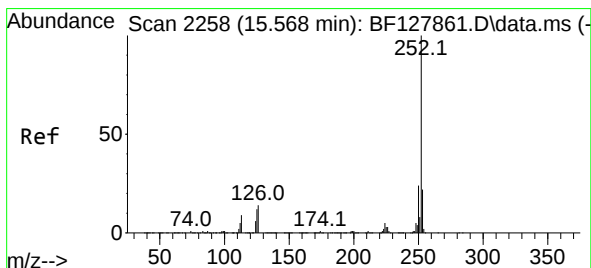
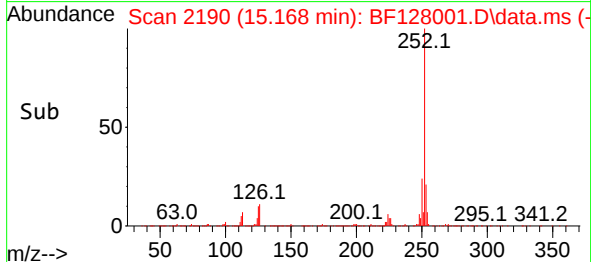
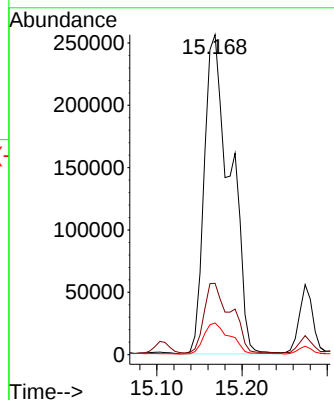
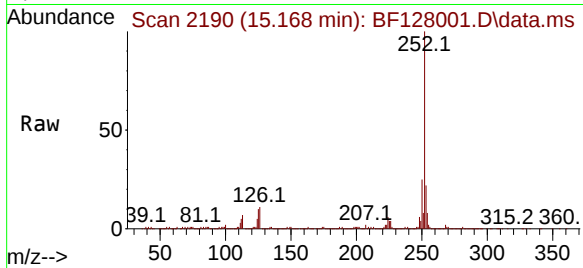




#89
Benzo(k)fluoranthene
Concen: 39.006 ng
RT: 15.168 min Scan# 2199
Delta R.T. -0.041 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

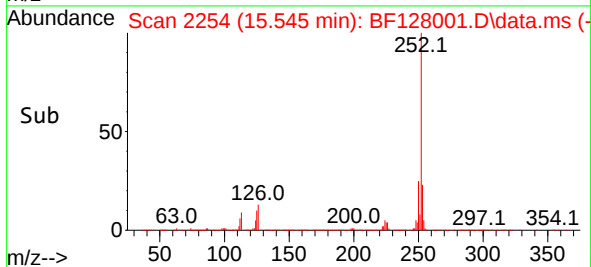
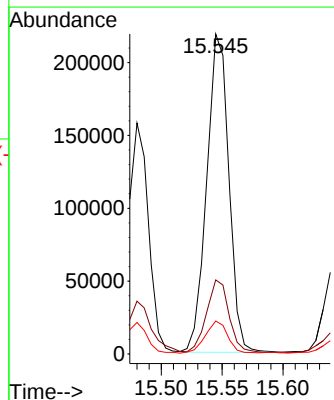
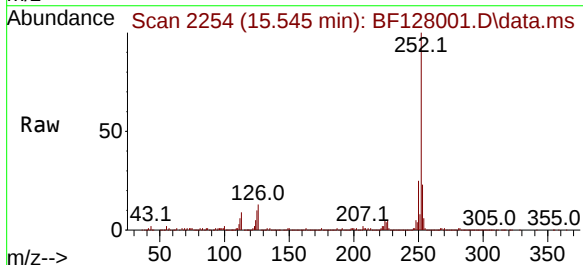
Instrument :
BNA_F
ClientSampleId :
WC-4

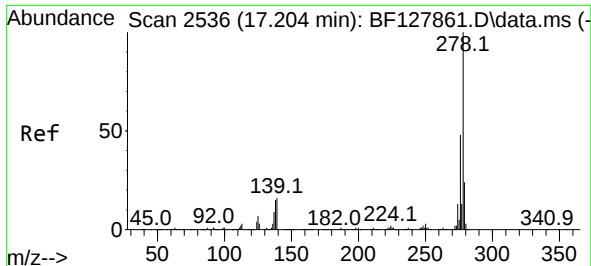
Tgt Ion:252 Resp: 546160
Ion Ratio Lower Upper
252 100
253 22.3 17.0 25.4
125 9.9 6.8 10.2



#90
Benzo(a)pyrene
Concen: 24.060 ng
RT: 15.545 min Scan# 2254
Delta R.T. -0.012 min
Lab File: BF128001.D
Acq: 29 Apr 2022 18:13

Tgt Ion:252 Resp: 277369
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 10.3 9.2 13.8

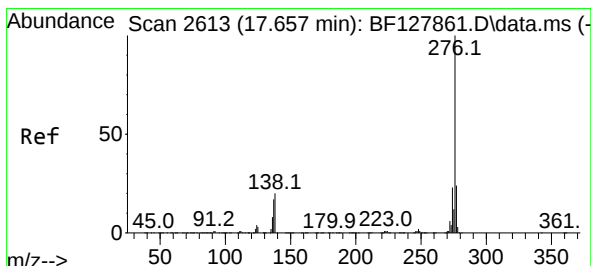
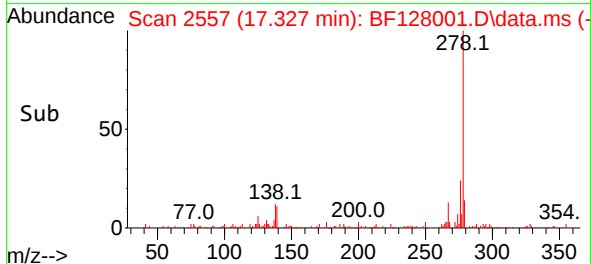
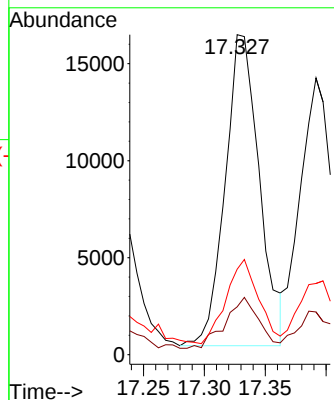
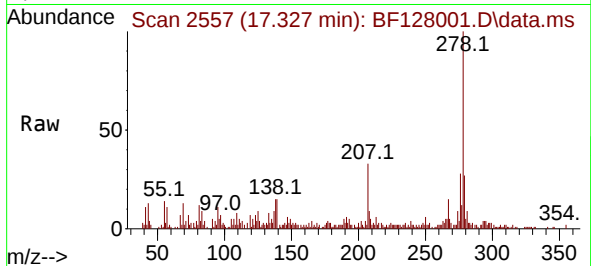




#91
 Dibenzo(a,h)anthracene
 Concen: 2.654 ng
 RT: 17.327 min Scan# 21
 Delta R.T. 0.141 min
 Lab File: BF128001.D
 Acq: 29 Apr 2022 18:13

Instrument :
 BNA_F
 ClientSampleId :
 WC-4

Tgt Ion:278 Resp: 31443
 Ion Ratio Lower Upper
 278 100
 139 14.9 12.6 19.0
 279 26.7 18.9 28.3



#92
 Benzo(g,h,i)perylene
 Concen: 10.621 ng
 RT: 17.609 min Scan# 2605
 Delta R.T. -0.029 min
 Lab File: BF128001.D
 Acq: 29 Apr 2022 18:13

Tgt Ion:276 Resp: 132587
 Ion Ratio Lower Upper
 276 100
 277 24.8 18.8 28.2
 138 19.8 16.2 24.2

