

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051222\
 Data File : BF128219.D
 Acq On : 12 May 2022 15:11
 Operator : CG\JU
 Sample : N2802-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SHALLOW-WC-1

Quant Time: May 13 05:15:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 15:30:11 2022
 Response via : Initial Calibration

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

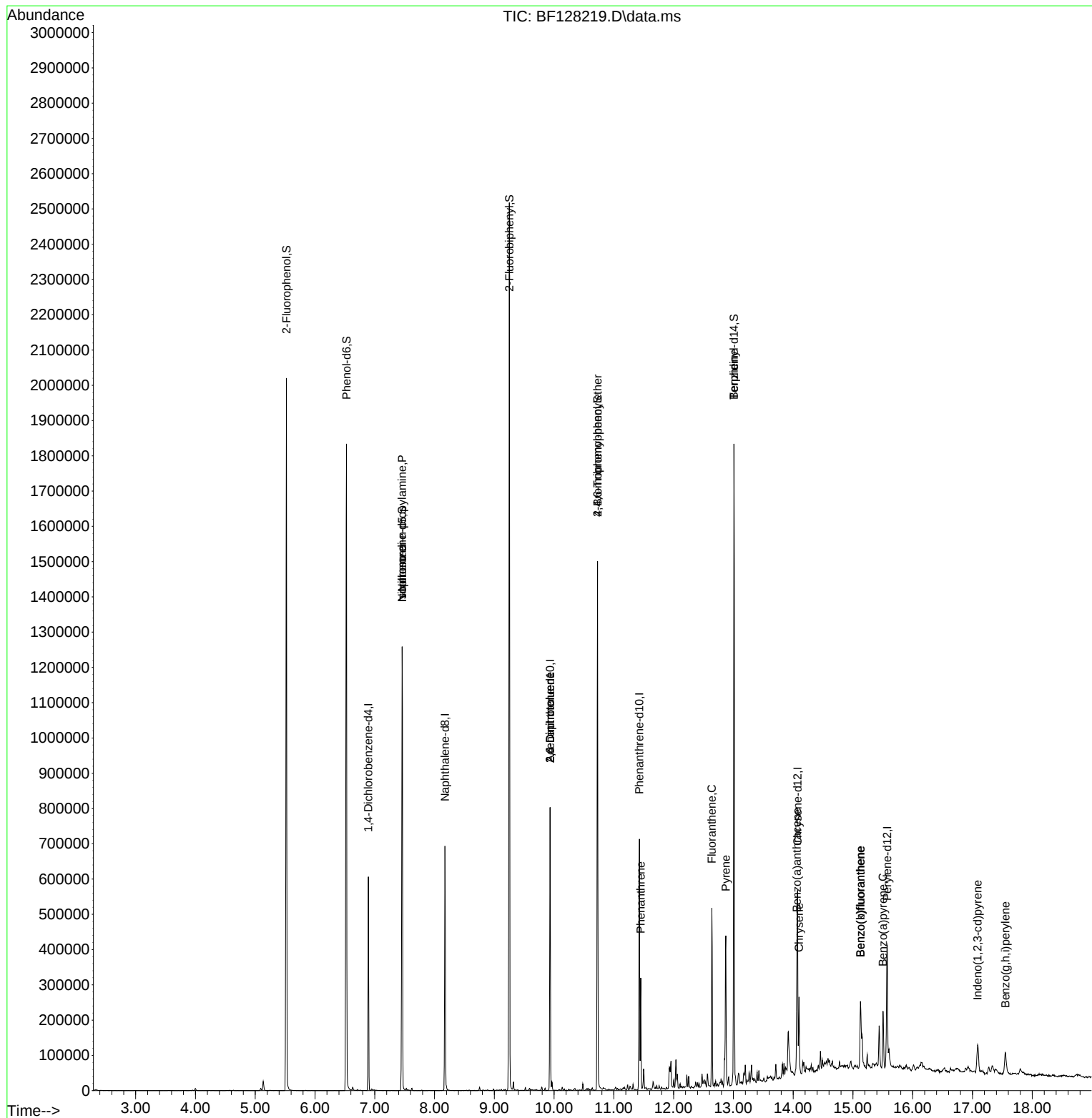
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	72739	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	275753	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	153082	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	249332	20.000	ng	# 0.00
76) Chrysene-d12	14.074	240	153449	20.000	ng	0.00
86) Perylene-d12	15.574	264	166620	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	479711	105.133	ng	0.00
7) Phenol-d6	6.528	99	622708	103.180	ng	0.00
23) Nitrobenzene-d5	7.457	82	452179	73.785	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	168434	95.937	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	715933	73.177	ng	0.00
79) Terphenyl-d14	13.010	244	611676	74.797	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.528	77	983	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.457	70	61636	16.584	ng	# 79
25) Isophorone	7.457	82	452173	47.063	ng	# 68
51) 2,6-Dinitrotoluene	9.933	165	19330	8.920	ng	# 22
57) 2,4-Dinitrotoluene	9.933	165	19330	6.671	ng	# 26
67) 4-Bromophenyl-phenylether	10.728	248	9791	3.650	ng	# 1
71) Phenanthrene	11.451	178	108745	8.759	ng	99
75) Fluoranthene	12.639	202	183589	13.640	ng	97
77) Benzidine	13.010	184	9160	2.756	ng	# 94
78) Pyrene	12.874	202	174483	15.682	ng	98
81) Benzo(a)anthracene	14.063	228	89012	9.082	ng	98
83) Chrysene	14.098	228	72173	7.717	ng	98
87) Indeno(1,2,3-cd)pyrene	17.086	276	52609	5.220	ng	# 93
88) Benzo(b)fluoranthene	15.127	252	136129	13.180	ng	97
89) Benzo(k)fluoranthene	15.127	252	136129	13.352	ng	96
90) Benzo(a)pyrene	15.504	252	79209	9.499	ng	98
92) Benzo(g,h,i)perylene	17.551	276	50041	6.057	ng	93

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

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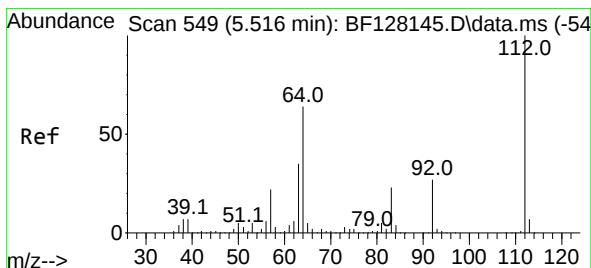
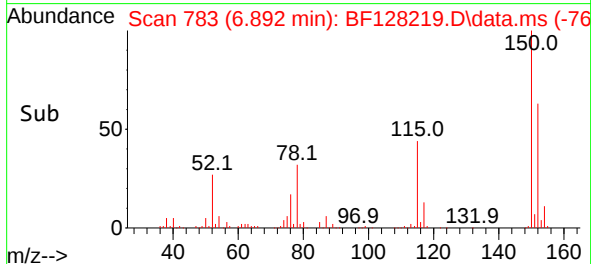
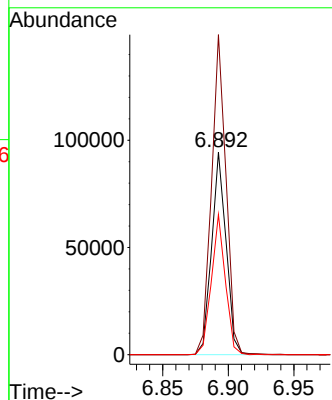
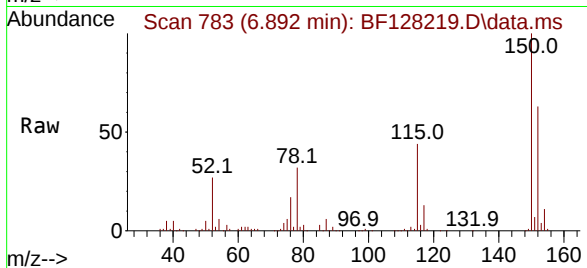




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11

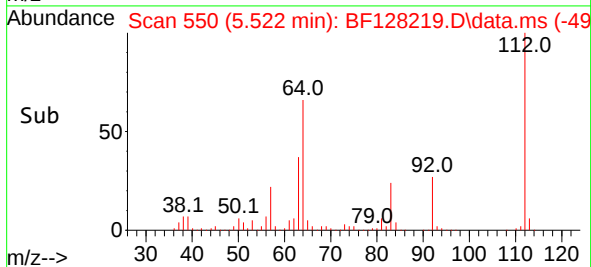
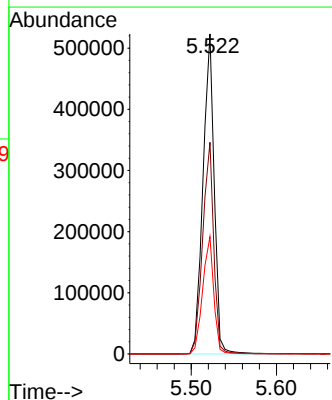
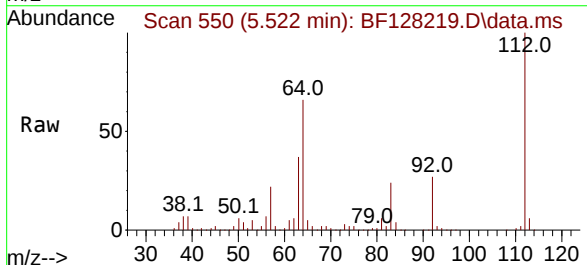
Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1

Tgt Ion:152 Resp: 72739
Ion Ratio Lower Upper
152 100
150 157.9 125.3 187.9
115 69.2 48.8 73.2



#5
2-Fluorophenol
Concen: 105.133 ng
RT: 5.522 min Scan# 550
Delta R.T. 0.006 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11

Tgt Ion:112 Resp: 479711
Ion Ratio Lower Upper
112 100
64 66.2 49.5 74.3
63 36.6 26.3 39.5

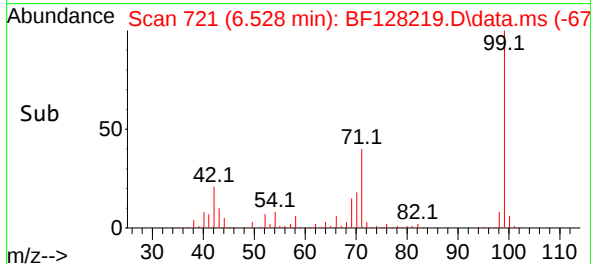
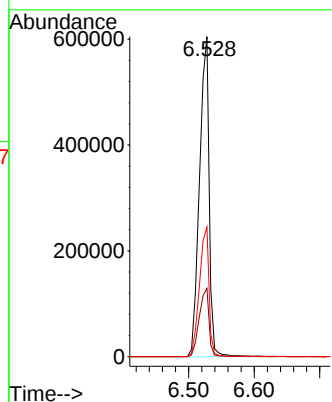
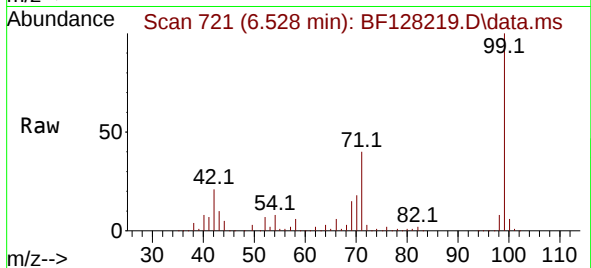




#7
Phenol-d6
Concen: 103.180 ng
RT: 6.528 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11

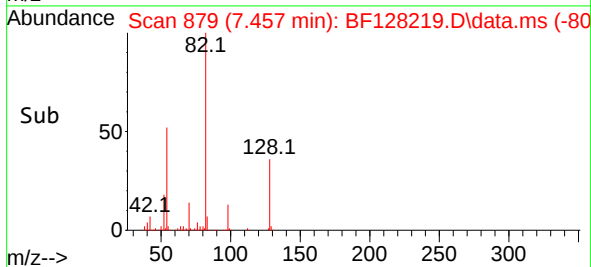
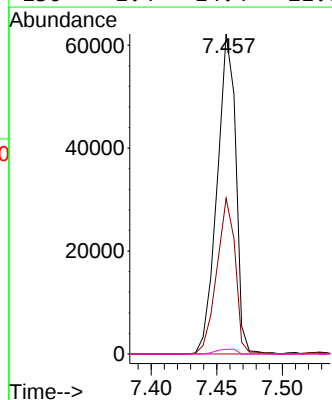
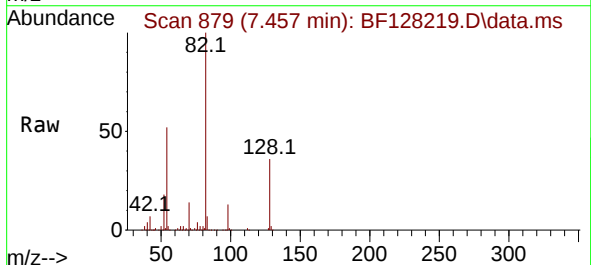
Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1

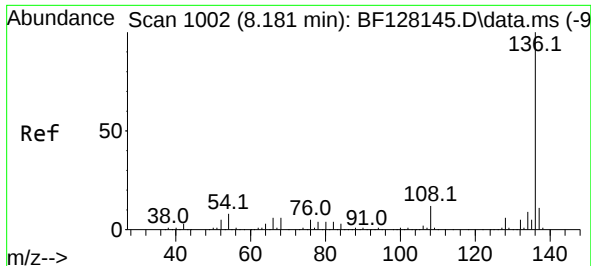
Tgt Ion: 99 Resp: 622708
Ion Ratio Lower Upper
99 100
42 21.3 16.6 24.8
71 40.4 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 16.584 ng
RT: 7.457 min Scan# 879
Delta R.T. 0.147 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11

Tgt Ion: 70 Resp: 61636
Ion Ratio Lower Upper
70 100
42 48.6 48.7 73.1#
101 0.0 7.2 10.8#
130 1.4 14.4 21.6#



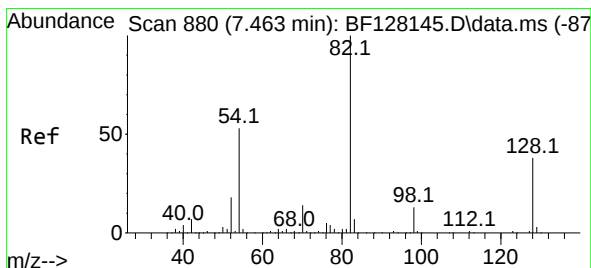
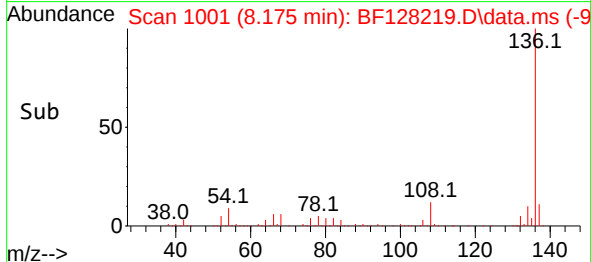
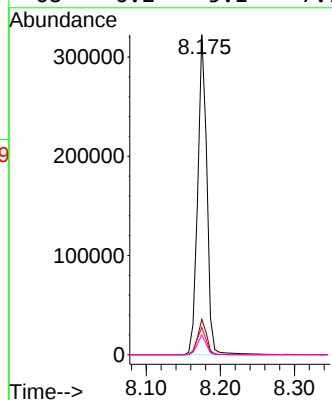
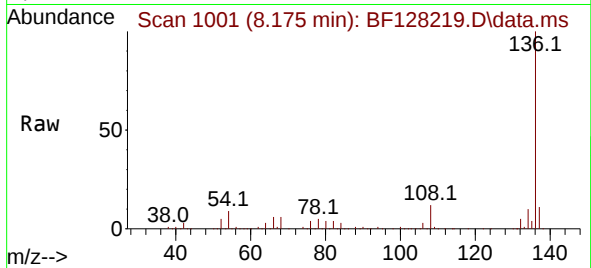


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11

Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1

Tgt Ion:136 Resp: 275753

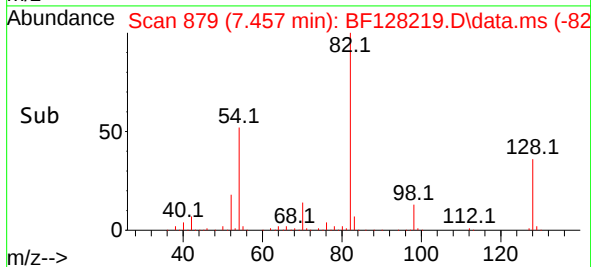
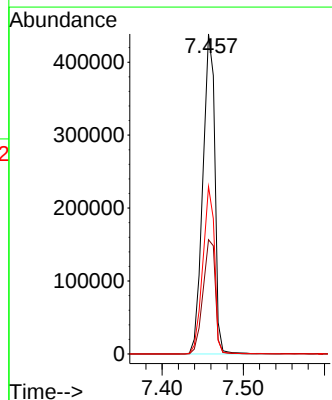
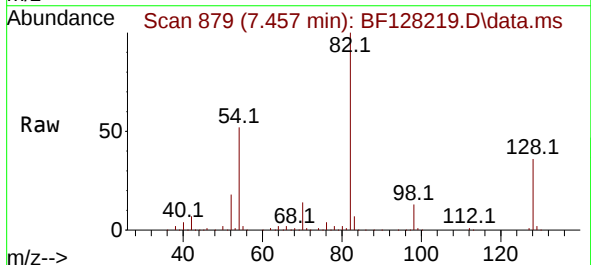
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.6	6.8	10.2
68	6.2	5.1	7.7



#23
Nitrobenzene-d5
Concen: 73.785 ng
RT: 7.457 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11

Tgt Ion: 82 Resp: 452179

Ion	Ratio	Lower	Upper
82	100		
128	35.7	30.0	45.0
54	52.3	41.3	61.9

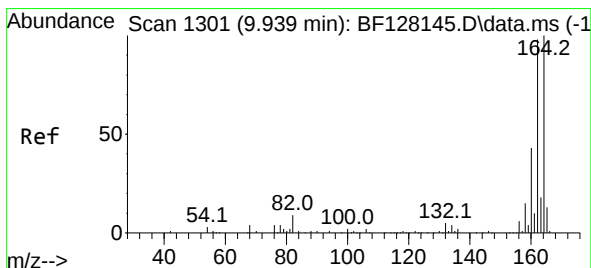
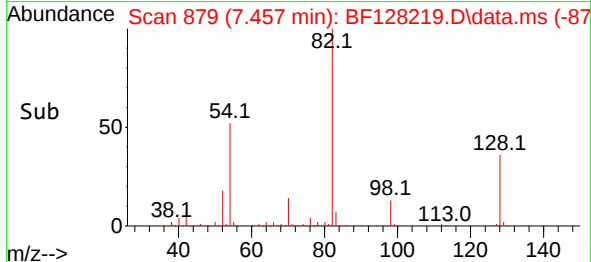
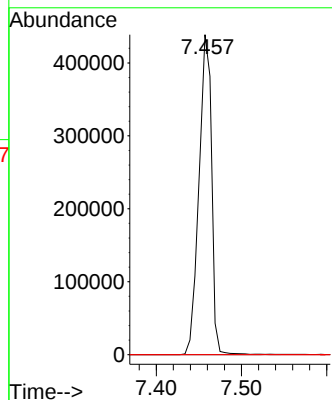
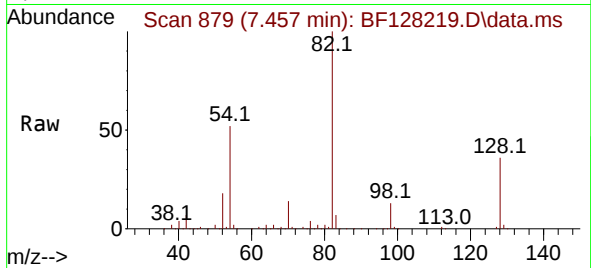




#25
Isophorone
Concen: 47.063 ng
RT: 7.457 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11

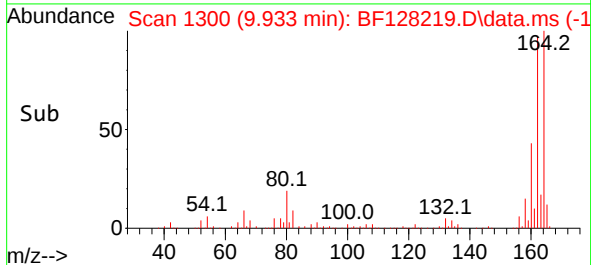
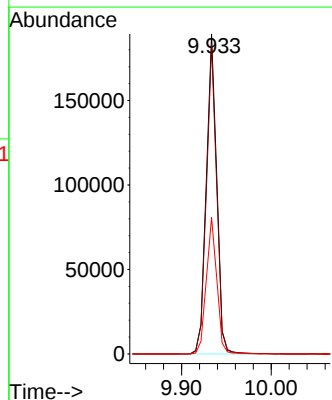
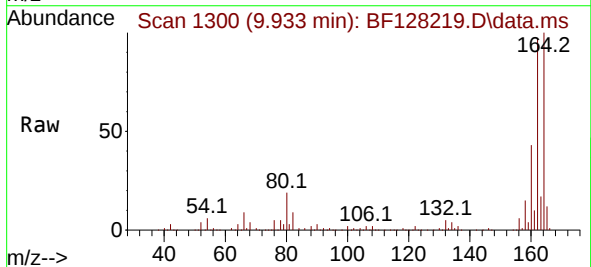
Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1

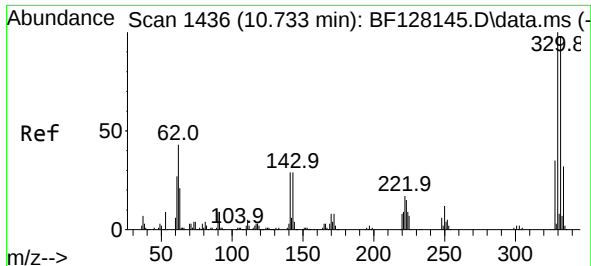
Tgt Ion: 82 Resp: 452173
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11

Tgt Ion:164 Resp: 153082
Ion Ratio Lower Upper
164 100
162 96.8 76.0 114.0
160 42.7 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 95.937 ng

RT: 10.728 min Scan# 1435

Delta R.T. -0.006 min

Lab File: BF128219.D

Acq: 12 May 2022 15:11

Instrument :

BNA_F

ClientSampleId :

SHALLOW-WC-1

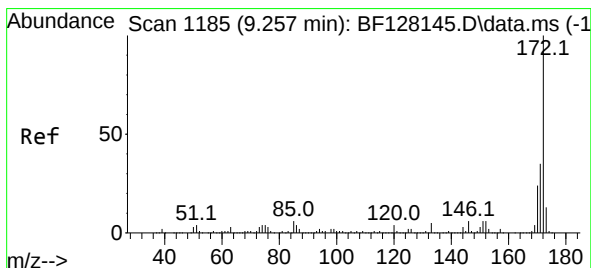
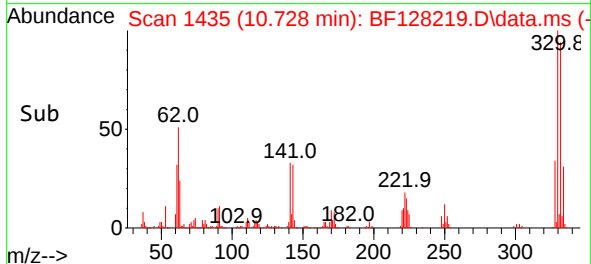
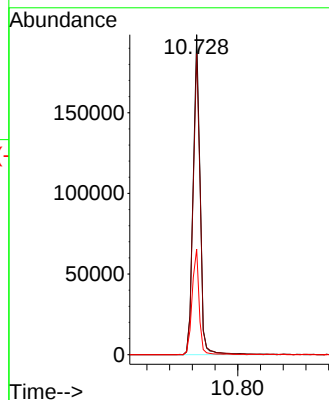
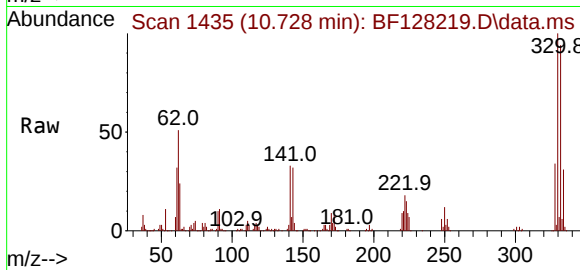
Tgt Ion:330 Resp: 168434

Ion Ratio Lower Upper

330 100

332 95.0 79.0 118.4

141 33.3 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 73.177 ng

RT: 9.251 min Scan# 1184

Delta R.T. -0.006 min

Lab File: BF128219.D

Acq: 12 May 2022 15:11

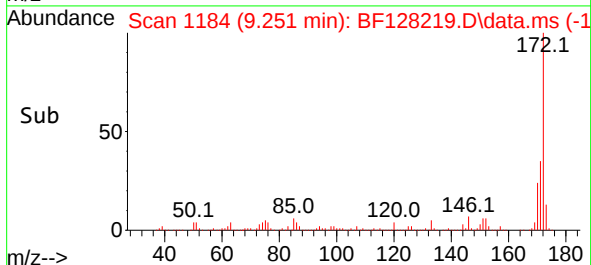
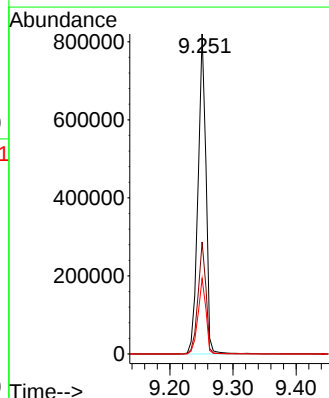
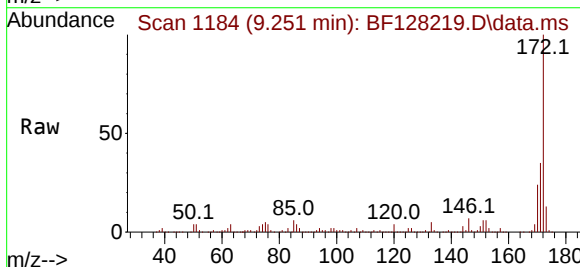
Tgt Ion:172 Resp: 715933

Ion Ratio Lower Upper

172 100

171 35.0 28.6 42.8

170 23.6 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 8.920 ng

RT: 9.933 min Scan# 1300

Delta R.T. 0.206 min

Lab File: BF128219.D

Acq: 12 May 2022 15:11

Instrument :

BNA_F

ClientSampleId :

SHALLOW-WC-1

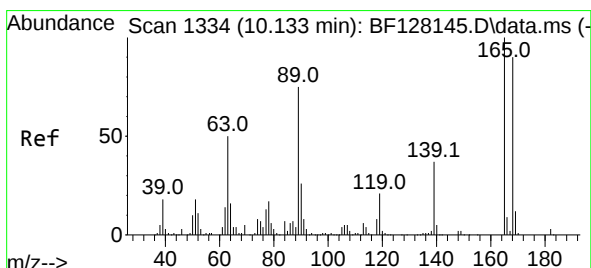
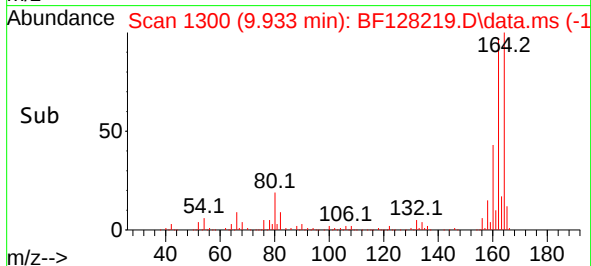
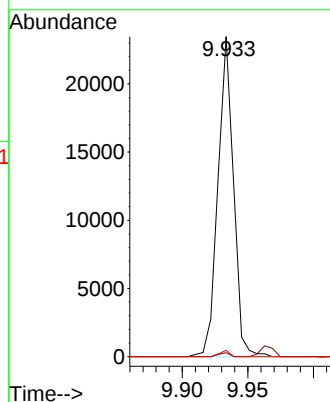
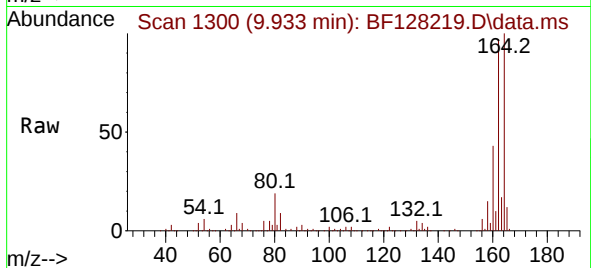
Tgt Ion:165 Resp: 19330

Ion Ratio Lower Upper

165 100

63 1.3 49.5 74.3#

89 1.9 49.0 73.4#



#57

2,4-Dinitrotoluene

Concen: 6.671 ng

RT: 9.933 min Scan# 1300

Delta R.T. -0.200 min

Lab File: BF128219.D

Acq: 12 May 2022 15:11

Tgt Ion:165 Resp: 19330

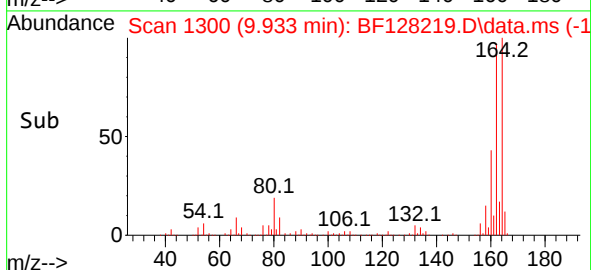
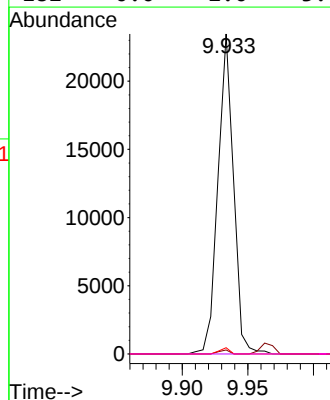
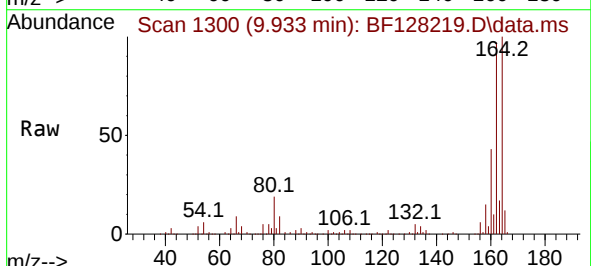
Ion Ratio Lower Upper

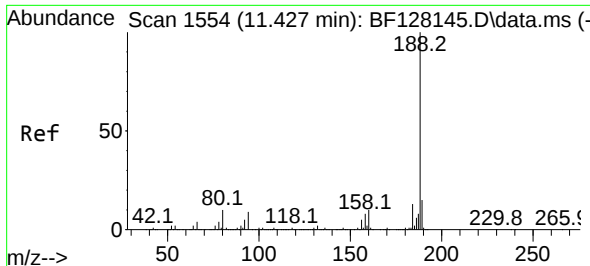
165 100

63 1.3 32.6 49.0#

89 1.9 55.2 82.8#

182 0.0 2.0 3.0#

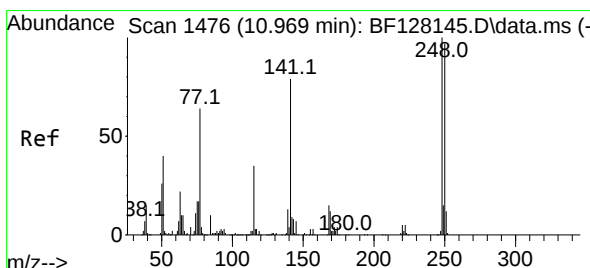
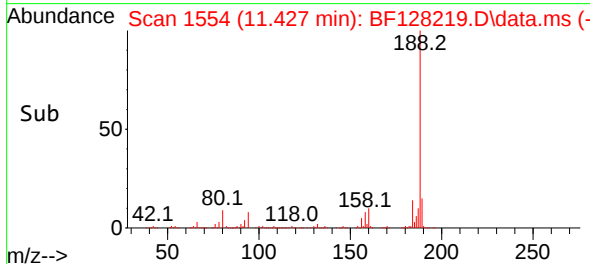
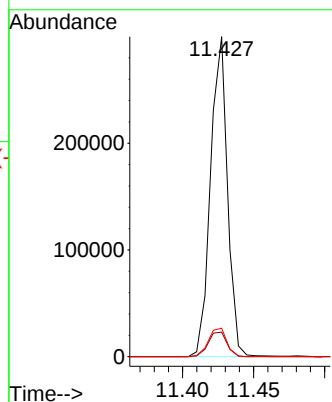
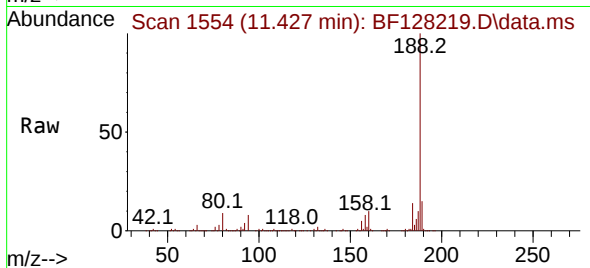




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11

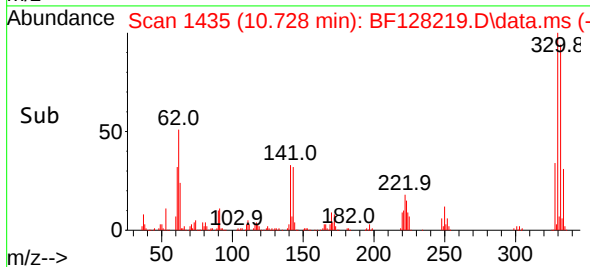
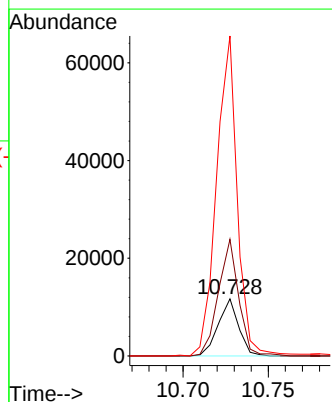
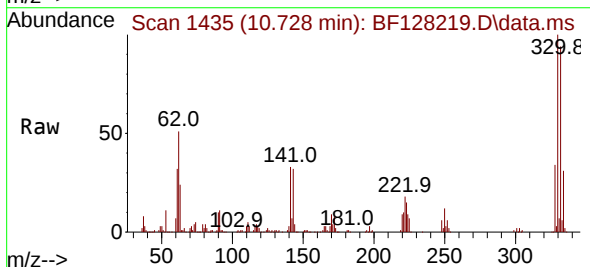
Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1

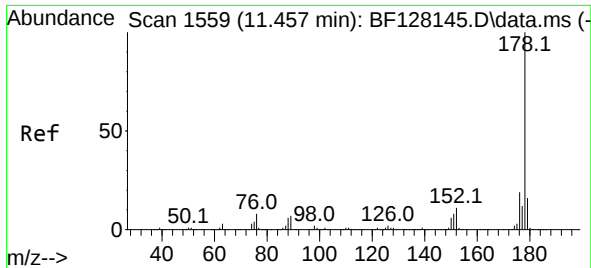
Tgt Ion:188 Resp: 249332
Ion Ratio Lower Upper
188 100
94 7.7 8.0 12.0#
80 8.9 8.9 13.3



#67
4-Bromophenyl-phenylether
Concen: 3.650 ng
RT: 10.728 min Scan# 1435
Delta R.T. -0.241 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11

Tgt Ion:248 Resp: 9791
Ion Ratio Lower Upper
248 100
250 204.3 77.7 116.5#
141 560.3 65.6 98.4#

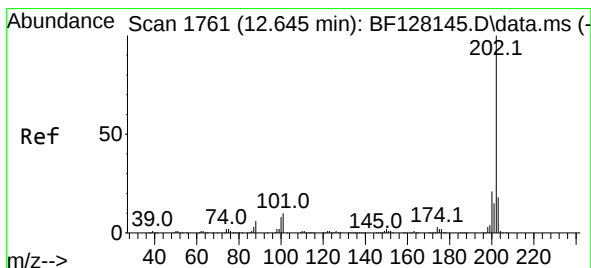
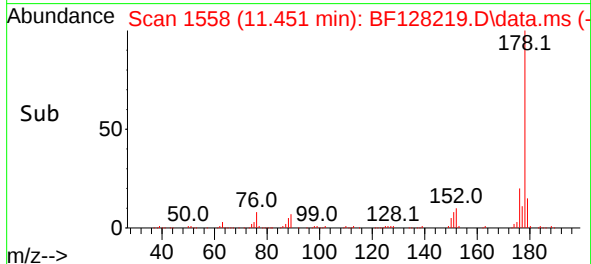
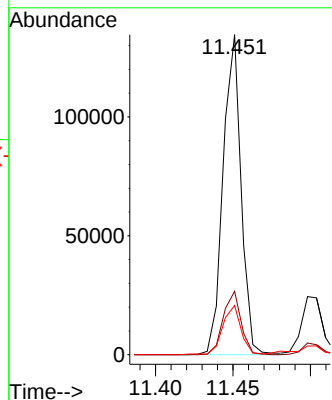
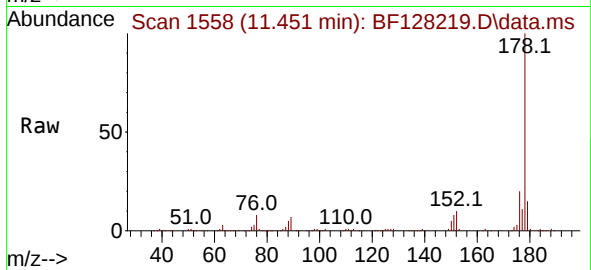




#71
Phenanthrene
Concen: 8.759 ng
RT: 11.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11

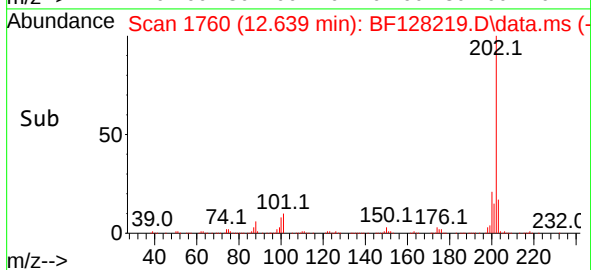
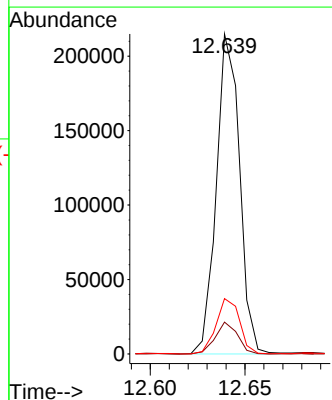
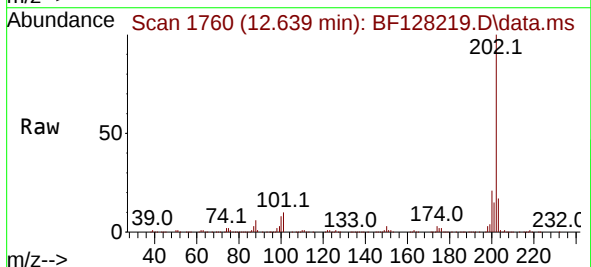
Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1

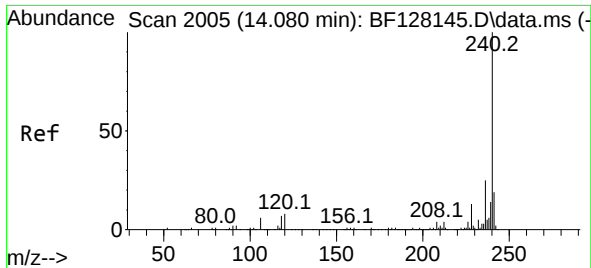
Tgt Ion:178 Resp: 108745
Ion Ratio Lower Upper
178 100
176 19.8 15.7 23.5
179 15.4 12.6 19.0



#75
Fluoranthene
Concen: 13.640 ng
RT: 12.639 min Scan# 1760
Delta R.T. -0.006 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11

Tgt Ion:202 Resp: 183589
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.6
203 17.3 0.0 38.1

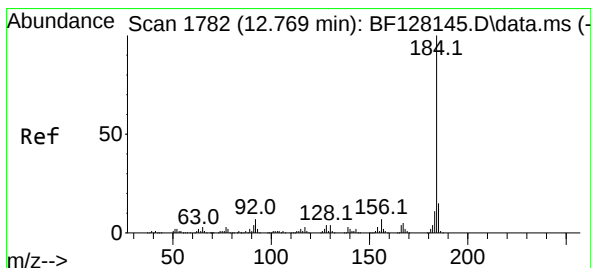
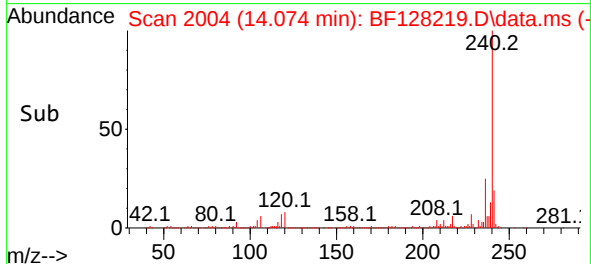
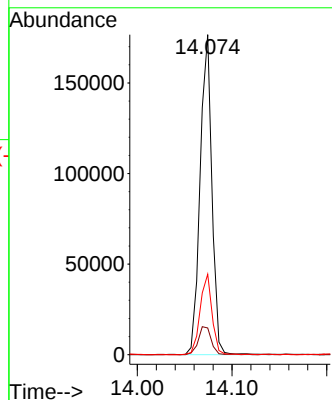
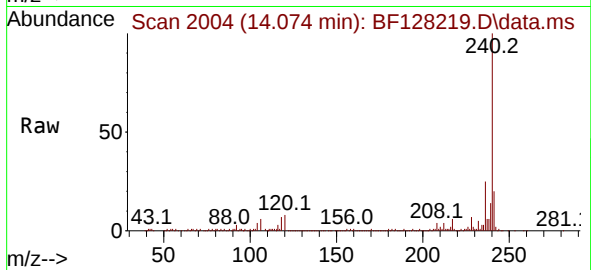




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11

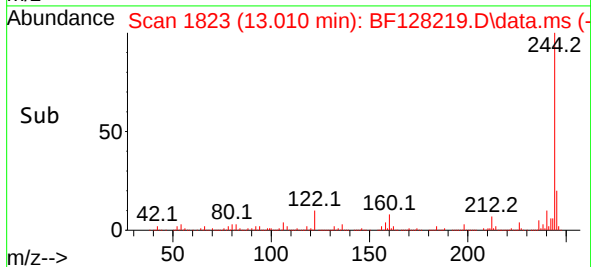
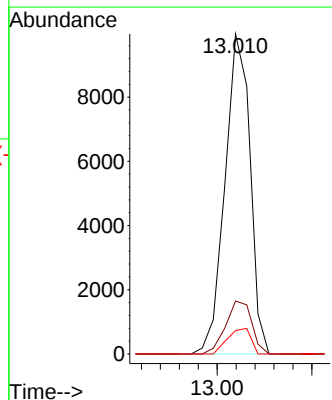
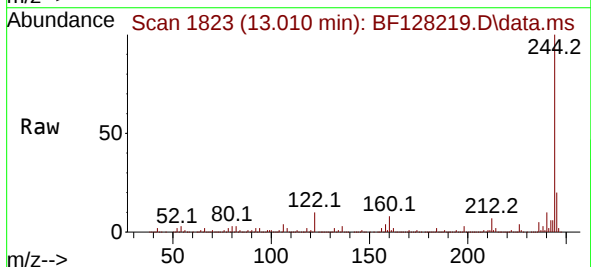
Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1

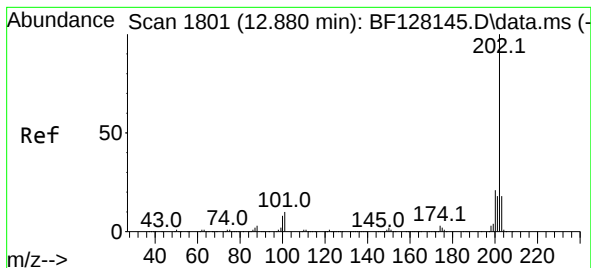
Tgt Ion:240 Resp: 153449
Ion Ratio Lower Upper
240 100
120 8.3 7.0 10.6
236 25.2 20.3 30.5



#77
Benzidine
Concen: 2.756 ng
RT: 13.010 min Scan# 1823
Delta R.T. 0.241 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11

Tgt Ion:184 Resp: 9160
Ion Ratio Lower Upper
184 100
185 16.6 12.1 18.1
183 7.3 9.0 13.4#





#78

Pyrene

Concen: 15.682 ng

RT: 12.874 min Scan# 1800

Delta R.T. -0.006 min

Lab File: BF128219.D

Acq: 12 May 2022 15:11

Instrument :

BNA_F

ClientSampleId :

SHALLOW-WC-1

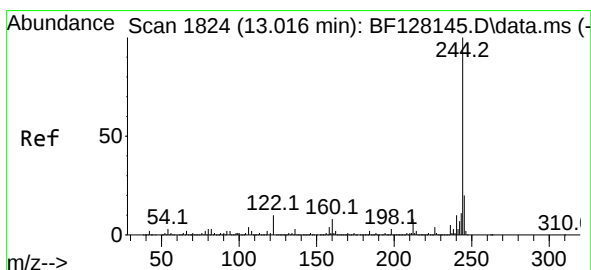
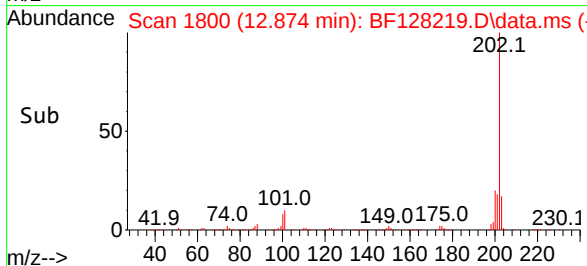
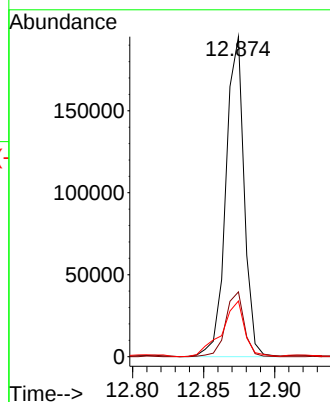
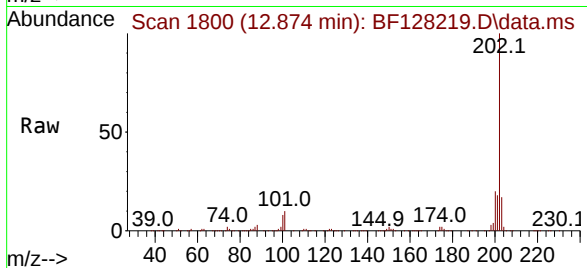
Tgt Ion:202 Resp: 174483

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

203 17.4 14.0 21.0



#79

Terphenyl-d14

Concen: 74.797 ng

RT: 13.010 min Scan# 1823

Delta R.T. -0.006 min

Lab File: BF128219.D

Acq: 12 May 2022 15:11

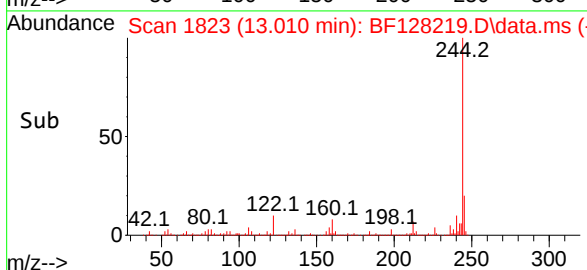
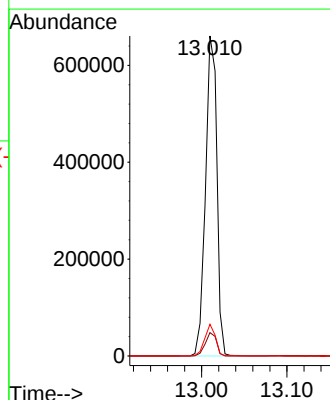
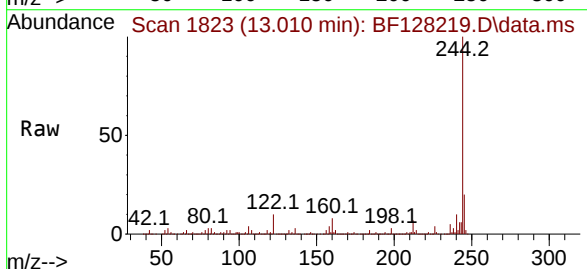
Tgt Ion:244 Resp: 611676

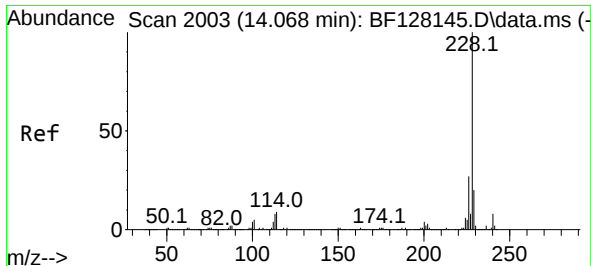
Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.4

122 9.9 8.6 12.8

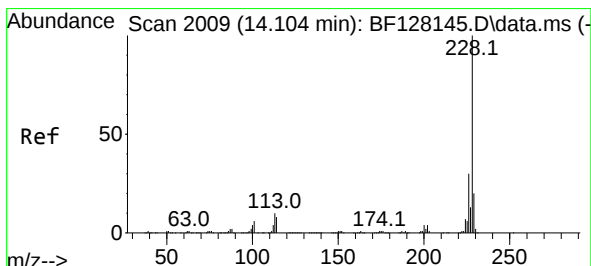
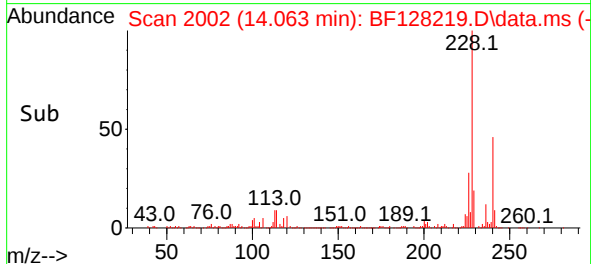
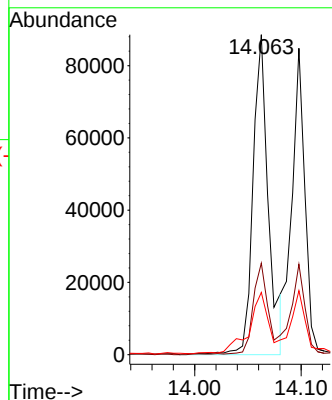
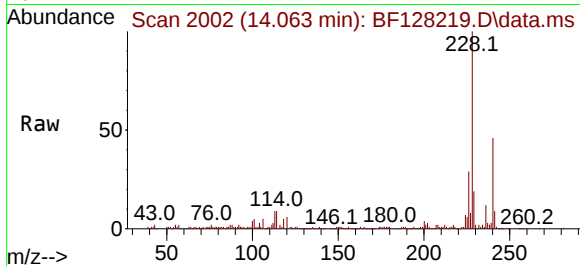




#81
Benzo(a)anthracene
Concen: 9.082 ng
RT: 14.063 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11

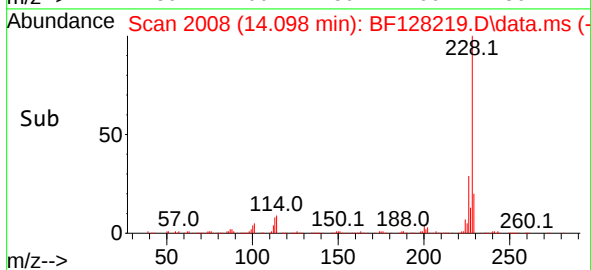
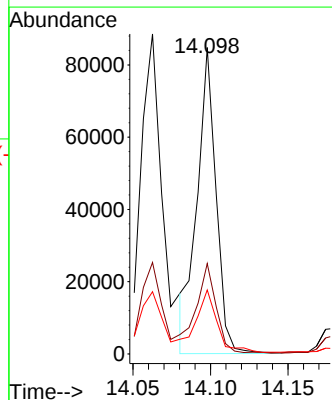
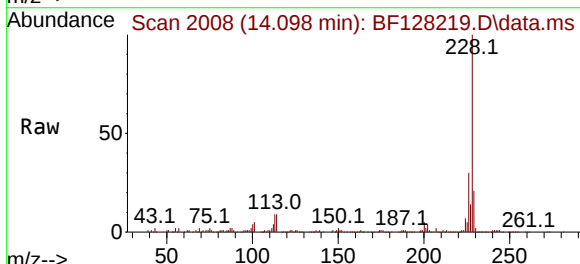
Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1

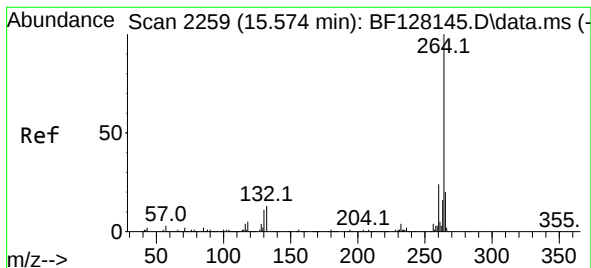
Tgt Ion:228 Resp: 89012
Ion Ratio Lower Upper
228 100
226 28.6 21.7 32.5
229 19.5 15.4 23.2



#83
Chrysene
Concen: 7.717 ng
RT: 14.098 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11

Tgt Ion:228 Resp: 72173
Ion Ratio Lower Upper
228 100
226 29.5 24.4 36.6
229 20.9 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.574 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF128219.D

Acq: 12 May 2022 15:11

Instrument :

BNA_F

ClientSampleId :

SHALLOW-WC-1

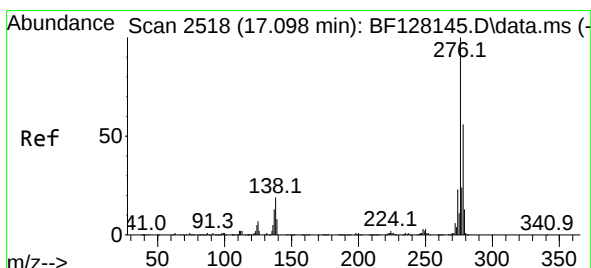
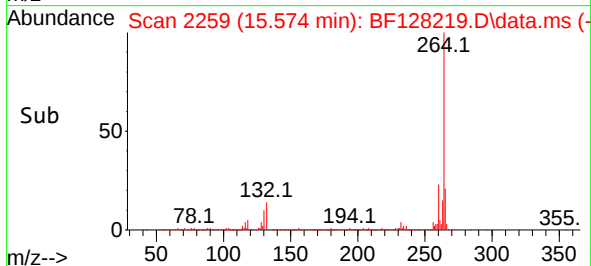
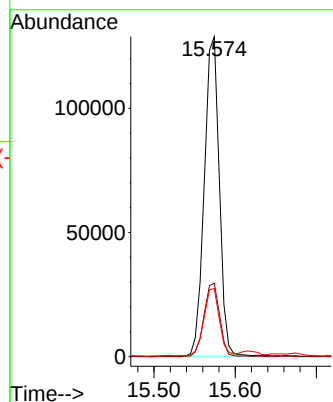
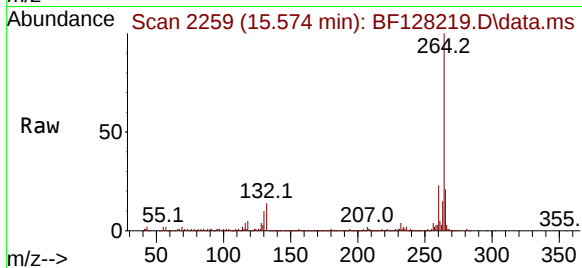
Tgt Ion:264 Resp: 166620

Ion Ratio Lower Upper

264 100

260 22.9 20.1 30.1

265 21.3 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.220 ng

RT: 17.086 min Scan# 2516

Delta R.T. -0.012 min

Lab File: BF128219.D

Acq: 12 May 2022 15:11

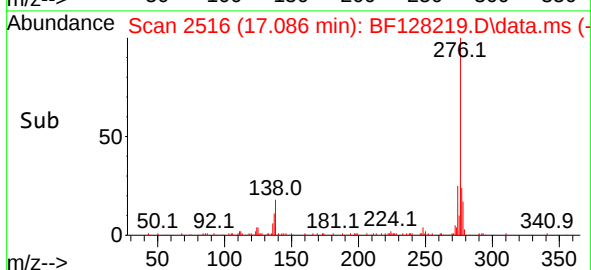
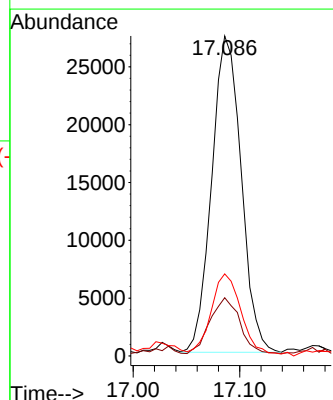
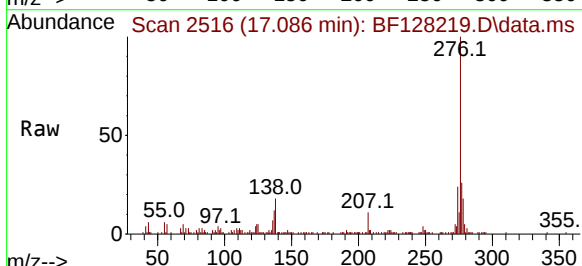
Tgt Ion:276 Resp: 52609

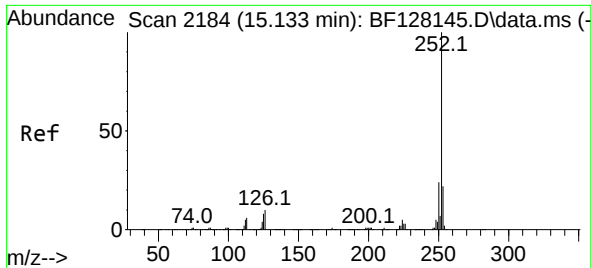
Ion Ratio Lower Upper

276 100

138 18.4 19.0 28.4#

277 27.1 20.1 30.1

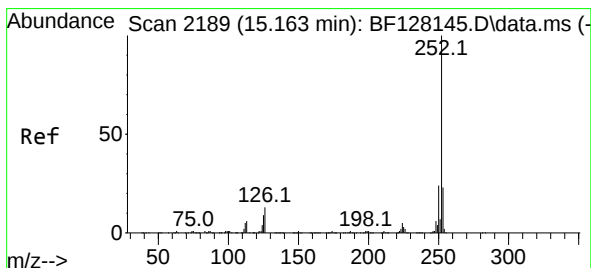
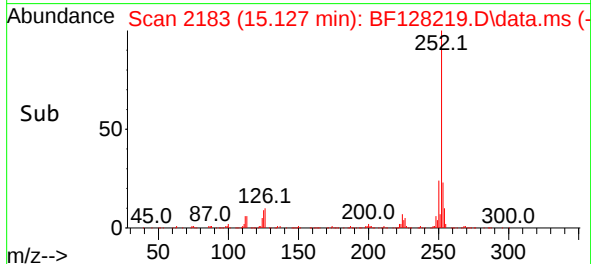
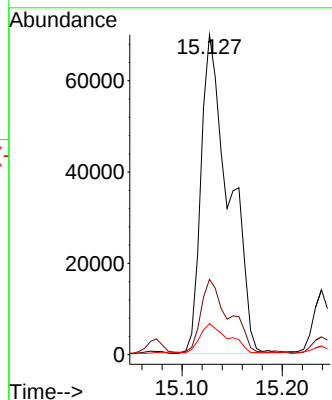
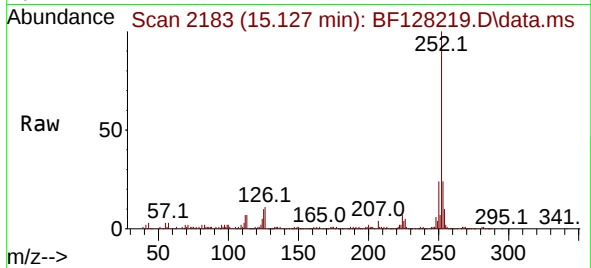




#88
Benzo(b)fluoranthene
Concen: 13.180 ng
RT: 15.127 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11

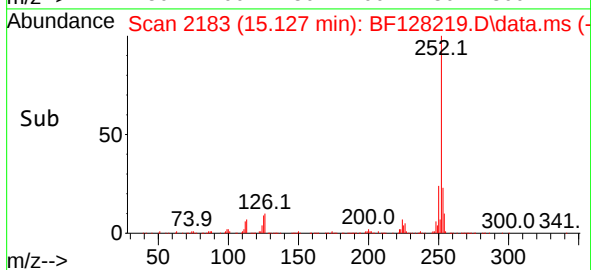
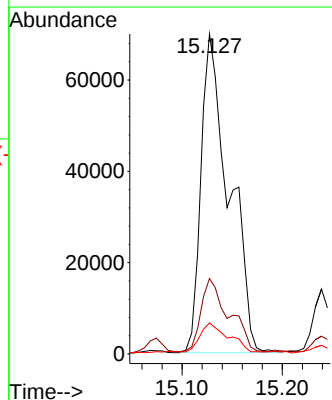
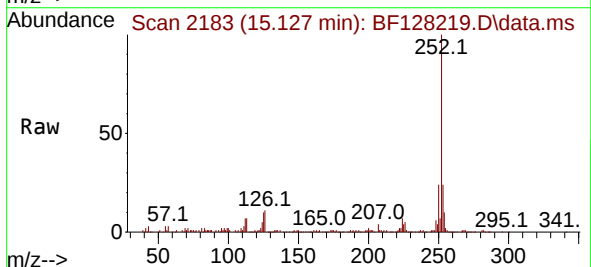
Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1

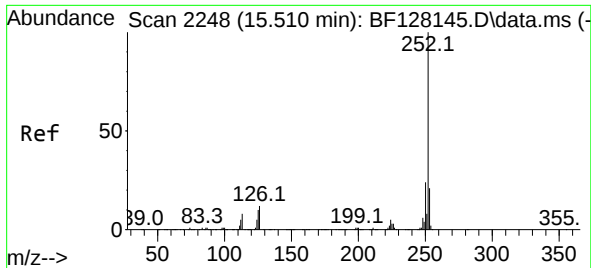
Tgt Ion:252 Resp: 136129
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 9.7 7.4 11.2



#89
Benzo(k)fluoranthene
Concen: 13.352 ng
RT: 15.127 min Scan# 2183
Delta R.T. -0.035 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11

Tgt Ion:252 Resp: 136129
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.4
125 9.7 6.8 10.2

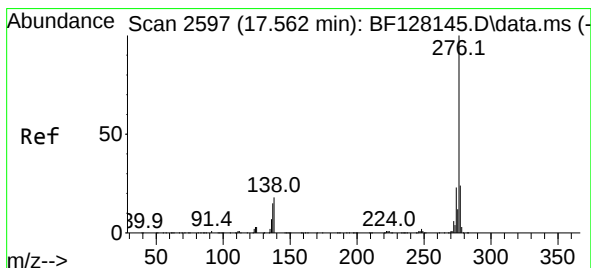
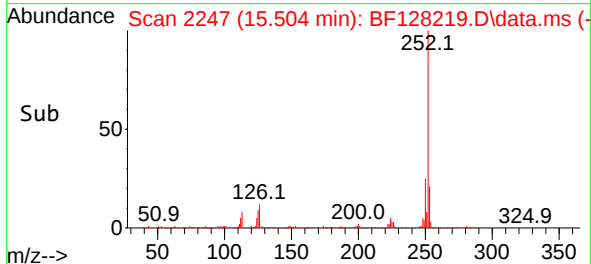
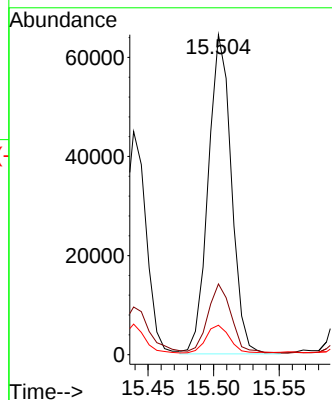
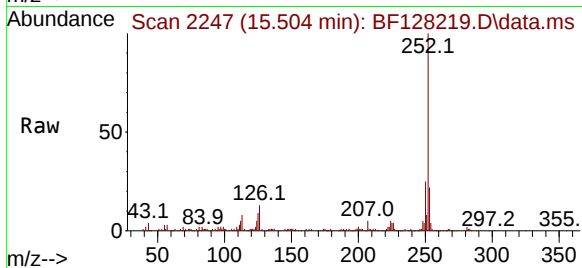




#90
Benzo(a)pyrene
Concen: 9.499 ng
RT: 15.504 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11

Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1

Tgt Ion:252 Resp: 79209
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.6
125 9.2 9.2 13.8



#92
Benzo(g,h,i)perylene
Concen: 6.057 ng
RT: 17.551 min Scan# 2595
Delta R.T. -0.012 min
Lab File: BF128219.D
Acq: 12 May 2022 15:11

Tgt Ion:276 Resp: 50041
Ion Ratio Lower Upper
276 100
277 26.4 18.8 28.2
138 16.2 16.2 24.2

