

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050522\
 Data File : BF128111.D
 Acq On : 05 May 2022 23:15
 Operator : CG\JU
 Sample : N2691-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SHALLOW-WC-1

Quant Time: May 06 05:03:25 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 05 17:56:23 2022
 Response via : Initial Calibration

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

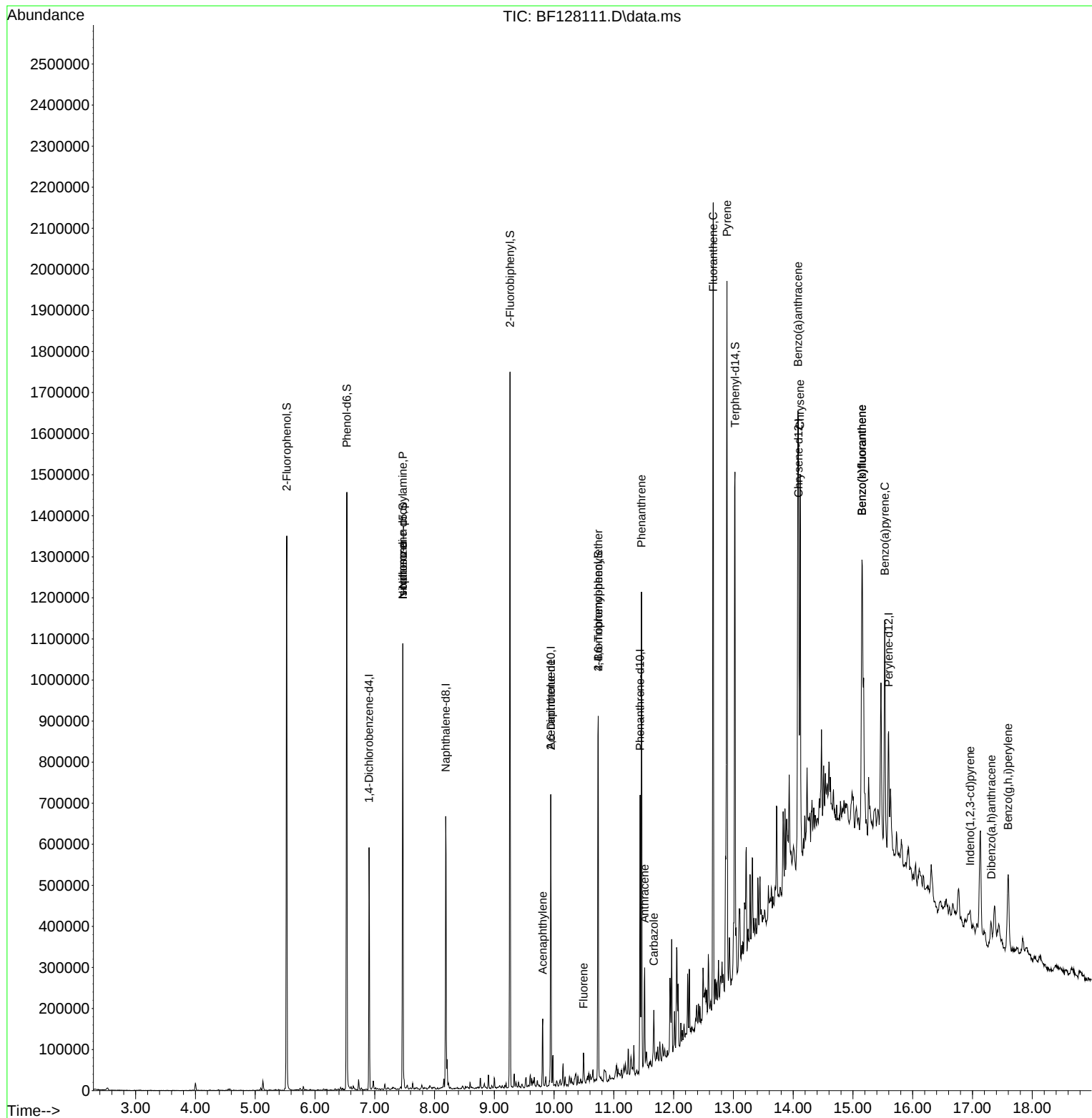
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	74715	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	263903	20.000	ng	-0.01
39) Acenaphthene-d10	9.945	164	132064	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	223151	20.000	ng	0.00
76) Chrysene-d12	14.092	240	165287	20.000	ng	0.00
86) Perylene-d12	15.598	264	115008	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	336857	71.812	ng	0.00
7) Phenol-d6	6.534	99	433086	71.153	ng	-0.01
23) Nitrobenzene-d5	7.469	82	319334	56.901	ng	-0.01
42) 2,4,6-Tribromophenol	10.739	330	100858	75.865	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	475082	60.858	ng	0.00
79) Terphenyl-d14	13.027	244	431099	47.692	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.469	70	43787	11.752	ng	# 78
25) Isophorone	7.469	82	319330	33.808	ng	# 68
49) Acenaphthylene	9.810	152	64646	5.675	ng	99
51) 2,6-Dinitrotoluene	9.945	165	17437	9.093	ng	# 22
58) Fluorene	10.492	166	18531	2.247	ng	99
67) 4-Bromophenyl-phenylether	10.739	248	6328	2.558	ng	# 1
71) Phenanthrene	11.463	178	391085	33.481	ng	100
72) Anthracene	11.516	178	93809	8.062	ng	99
73) Carbazole	11.669	167	44278	3.948	ng	99
75) Fluoranthene	12.663	202	768074	62.477	ng	97
78) Pyrene	12.892	202	703723	52.742	ng	99
81) Benzo(a)anthracene	14.080	228	436175	39.592	ng	94
83) Chrysene	14.115	228	378320	35.957	ng	98
87) Indeno(1,2,3-cd)pyrene	16.962	276	32941	4.291	ng	97
88) Benzo(b)fluoranthene	15.151	252	550820	76.254	ng	97
89) Benzo(k)fluoranthene	15.151	252	550820	75.688	ng	# 95
90) Benzo(a)pyrene	15.533	252	252019	42.060	ng	97
91) Dibenzo(a,h)anthracene	17.315	278	37139	6.032	ng	94
92) Benzo(g,h,i)perylene	17.598	276	161658	24.916	ng	96

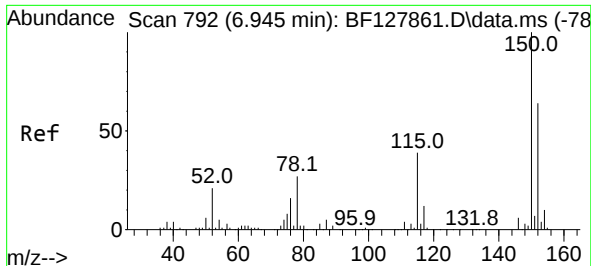
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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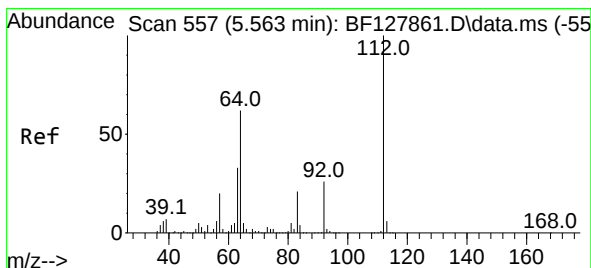
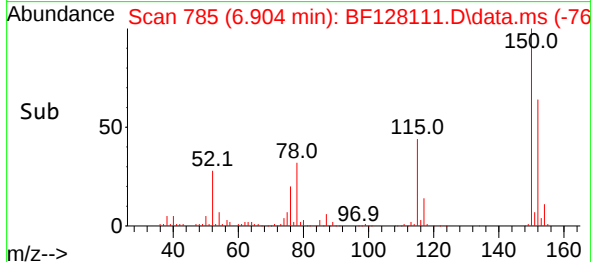
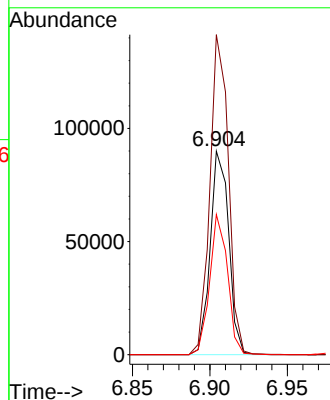
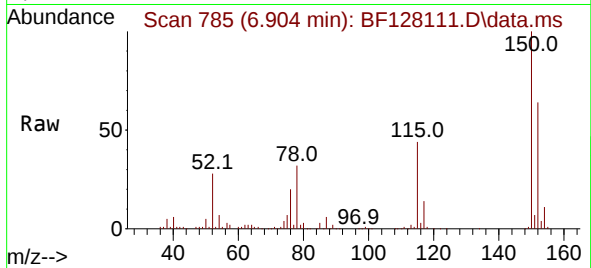




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF128111.D
 Acq: 05 May 2022 23:15

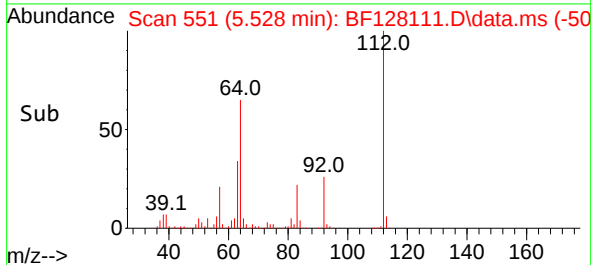
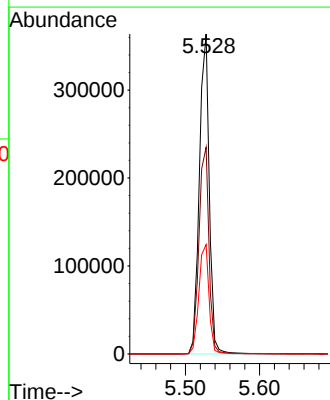
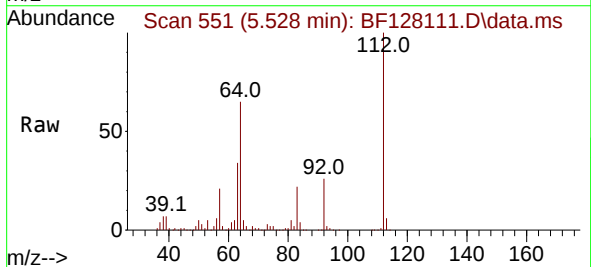
Instrument :
 BNA_F
 ClientSampleId :
 SHALLOW-WC-1

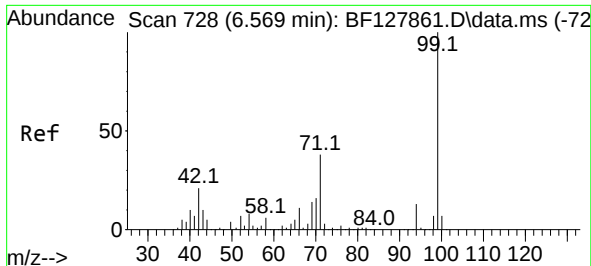
Tgt Ion:152 Resp: 74715
 Ion Ratio Lower Upper
 152 100
 150 157.3 125.3 187.9
 115 68.9 48.8 73.2



#5
 2-Fluorophenol
 Concen: 71.812 ng
 RT: 5.528 min Scan# 551
 Delta R.T. -0.006 min
 Lab File: BF128111.D
 Acq: 05 May 2022 23:15

Tgt Ion:112 Resp: 336857
 Ion Ratio Lower Upper
 112 100
 64 64.6 49.5 74.3
 63 34.2 26.3 39.5

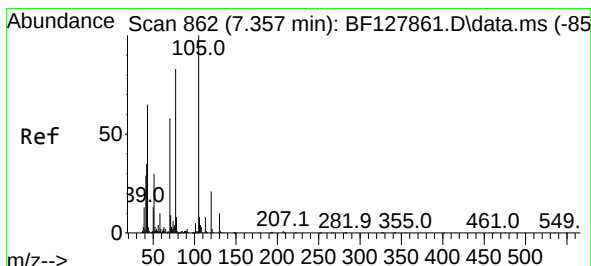
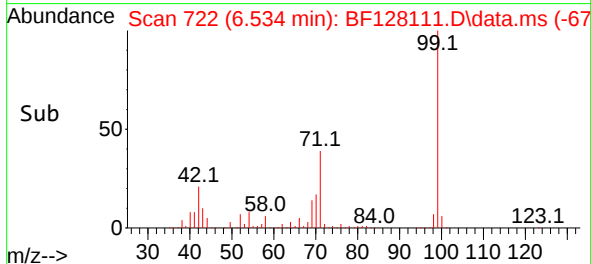
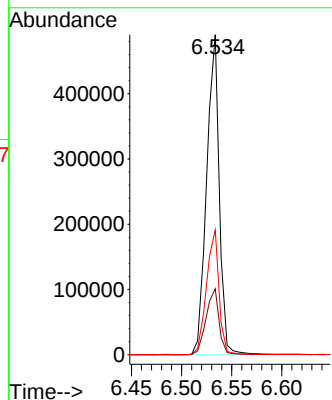
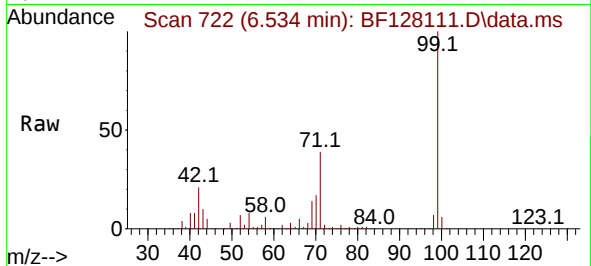




#7
Phenol-d6
Concen: 71.153 ng
RT: 6.534 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15

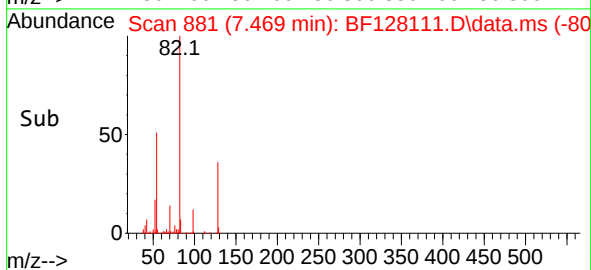
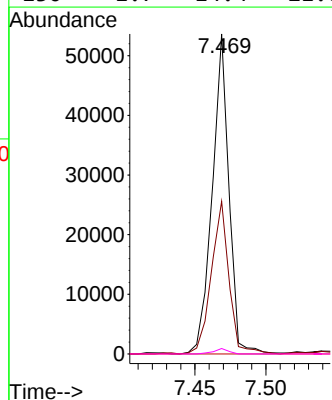
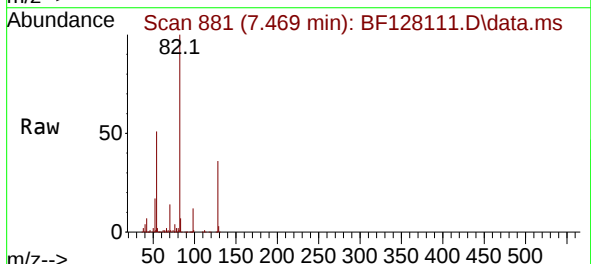
Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1

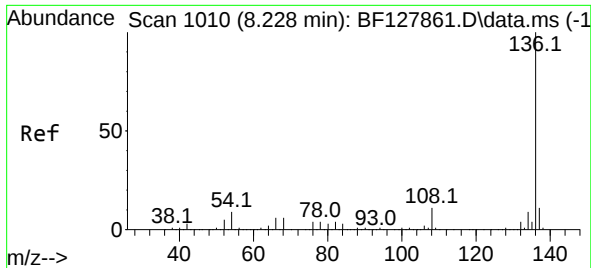
Tgt Ion: 99 Resp: 433086
Ion Ratio Lower Upper
99 100
42 20.6 16.6 24.8
71 38.9 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 11.752 ng
RT: 7.469 min Scan# 881
Delta R.T. 0.141 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15

Tgt Ion: 70 Resp: 43787
Ion Ratio Lower Upper
70 100
42 47.7 48.7 73.1#
101 0.0 7.2 10.8#
130 1.7 14.4 21.6#

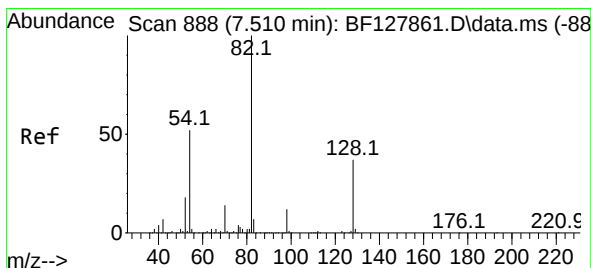
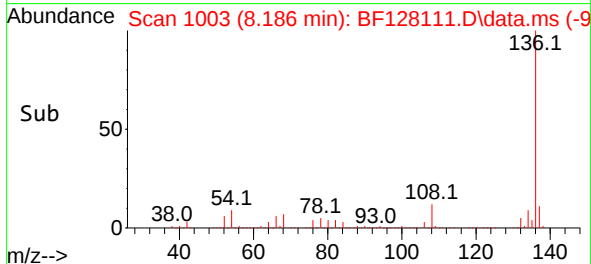
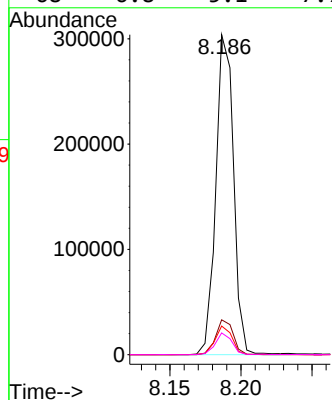
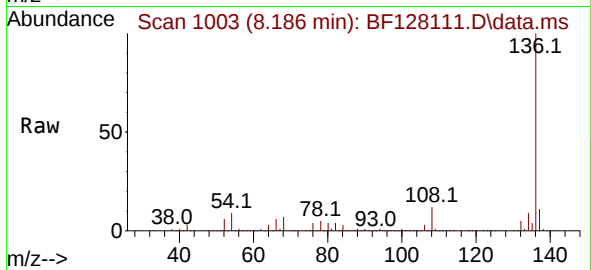




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1010
Delta R.T. -0.012 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15

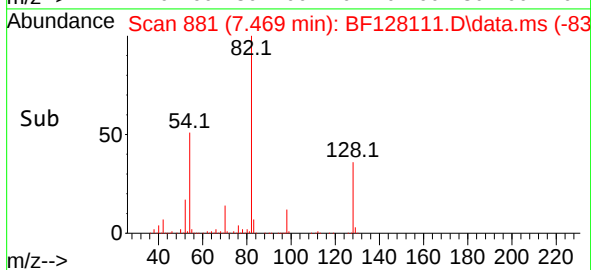
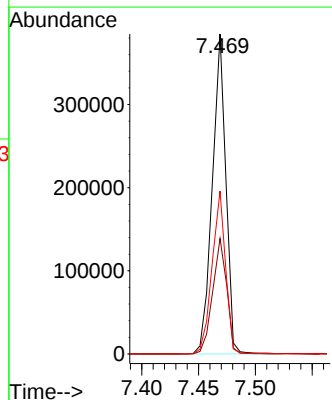
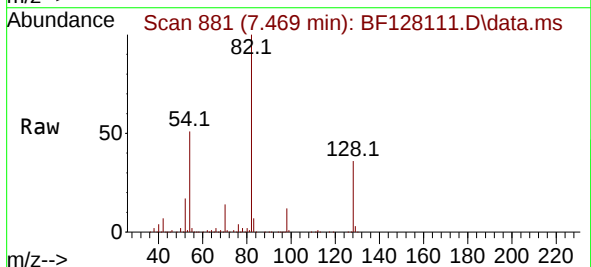
Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1

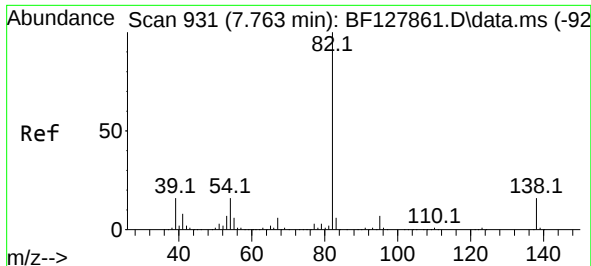
Tgt Ion:136	Resp: 263903
Ion Ratio	Lower Upper
136 100	
137 10.9	8.6 13.0
54 9.0	6.8 10.2
68 6.8	5.1 7.7



#23
Nitrobenzene-d5
Concen: 56.901 ng
RT: 7.469 min Scan# 881
Delta R.T. -0.012 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15

Tgt Ion: 82	Resp: 319334
Ion Ratio	Lower Upper
82 100	
128 36.1	30.0 45.0
54 51.0	41.3 61.9

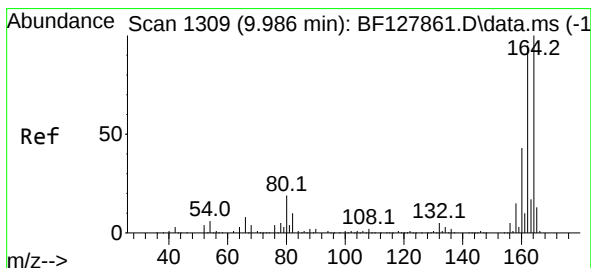
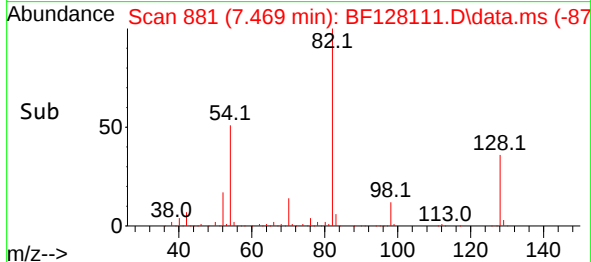
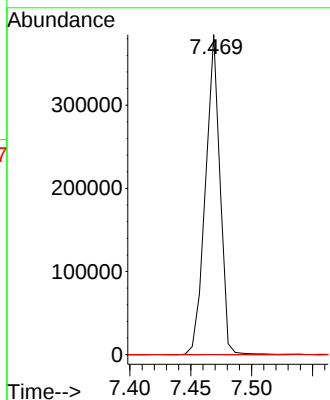
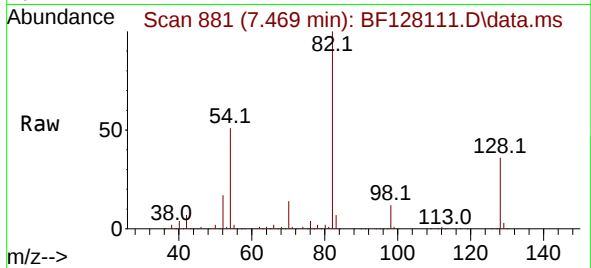




#25
Isophorone
Concen: 33.808 ng
RT: 7.469 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15

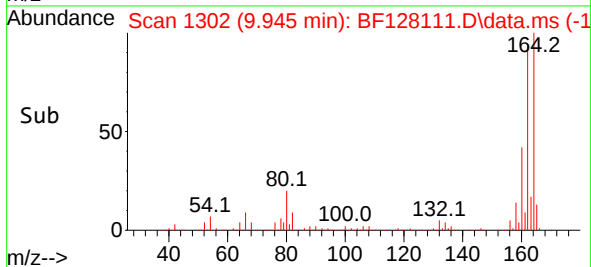
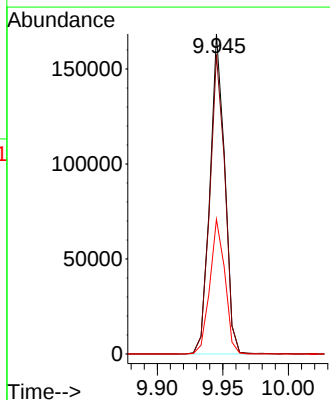
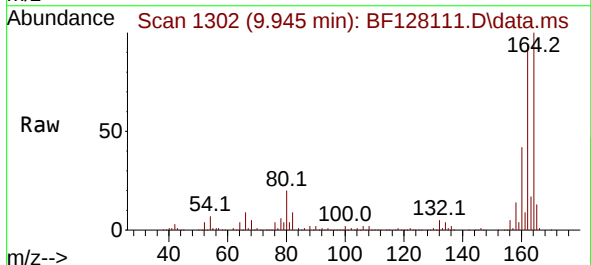
Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1

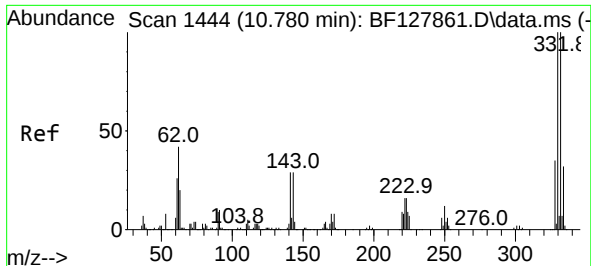
Tgt Ion: 82 Resp: 319330
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15

Tgt Ion:164 Resp: 132064
Ion Ratio Lower Upper
164 100
162 93.5 76.0 114.0
160 42.1 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 75.865 ng

RT: 10.739 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF128111.D

Acq: 05 May 2022 23:15

Instrument :

BNA_F

ClientSampleId :

SHALLOW-WC-1

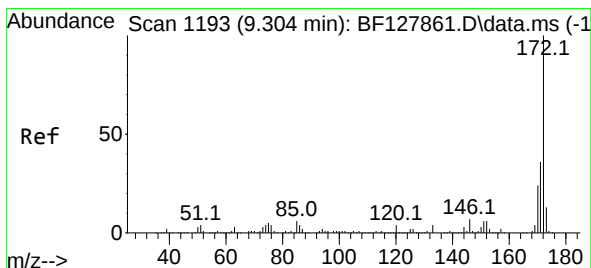
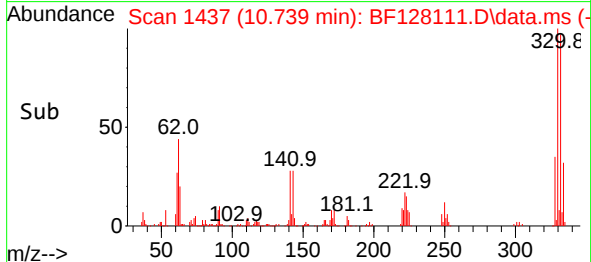
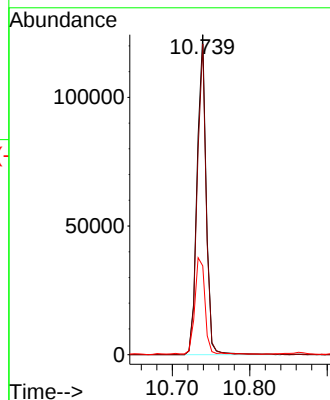
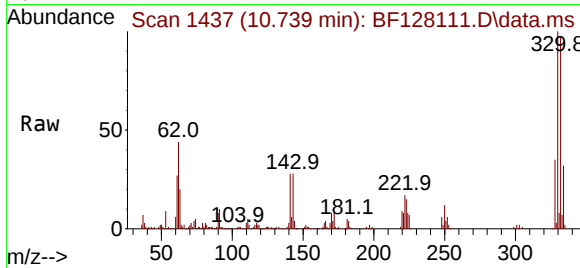
Tgt Ion:330 Resp: 100858

Ion Ratio Lower Upper

330 100

332 95.9 79.0 118.4

141 33.7 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 60.858 ng

RT: 9.263 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF128111.D

Acq: 05 May 2022 23:15

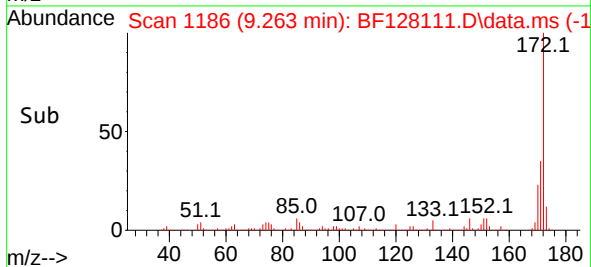
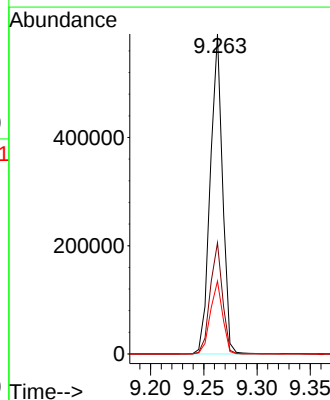
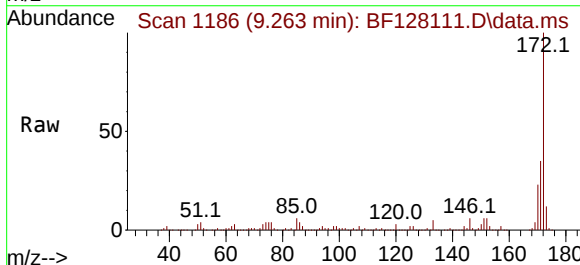
Tgt Ion:172 Resp: 475082

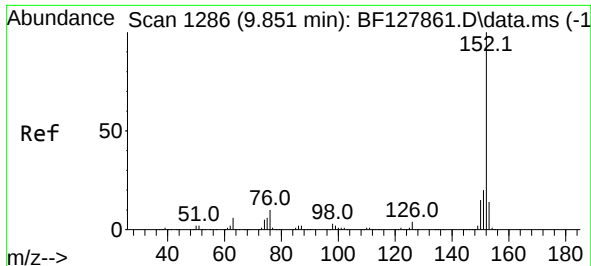
Ion Ratio Lower Upper

172 100

171 34.7 28.6 42.8

170 22.8 19.1 28.7





#49

Acenaphthylene

Concen: 5.675 ng

RT: 9.810 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128111.D

Acq: 05 May 2022 23:15

Instrument :

BNA_F

ClientSampleId :

SHALLOW-WC-1

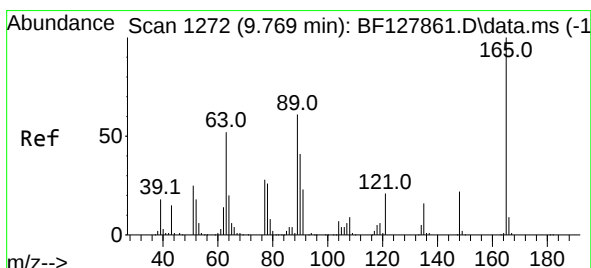
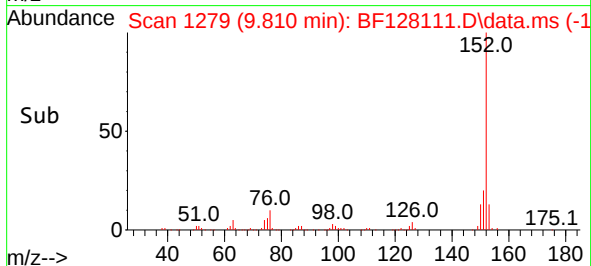
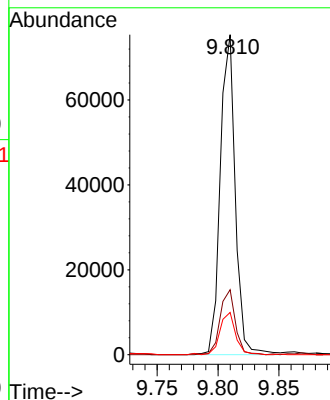
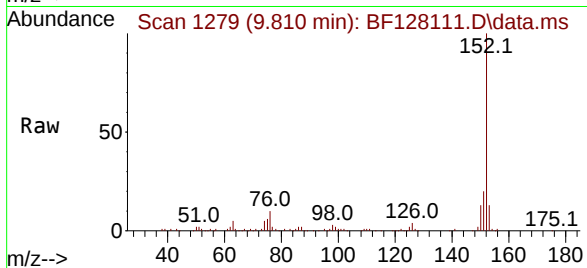
Tgt Ion:152 Resp: 64646

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2

153 13.2 11.2 16.8



#51

2,6-Dinitrotoluene

Concen: 9.093 ng

RT: 9.945 min Scan# 1302

Delta R.T. 0.206 min

Lab File: BF128111.D

Acq: 05 May 2022 23:15

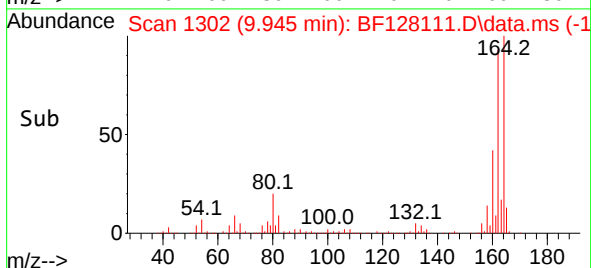
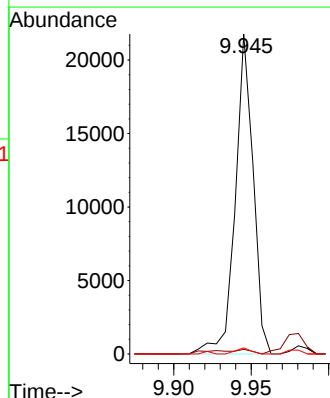
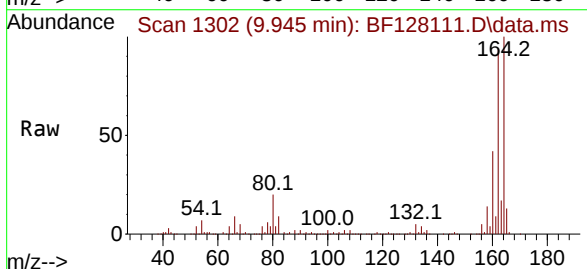
Tgt Ion:165 Resp: 17437

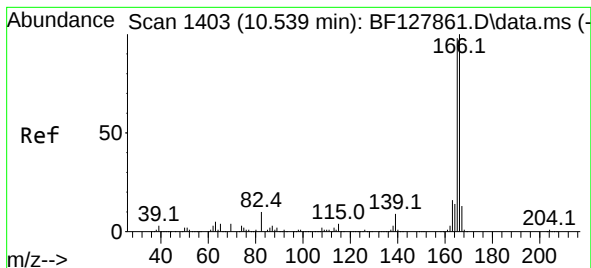
Ion Ratio Lower Upper

165 100

63 1.4 49.5 74.3#

89 1.9 49.0 73.4#





#58

Fluorene

Concen: 2.247 ng

RT: 10.492 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF128111.D

Acq: 05 May 2022 23:15

Instrument :

BNA_F

ClientSampleId :

SHALLOW-WC-1

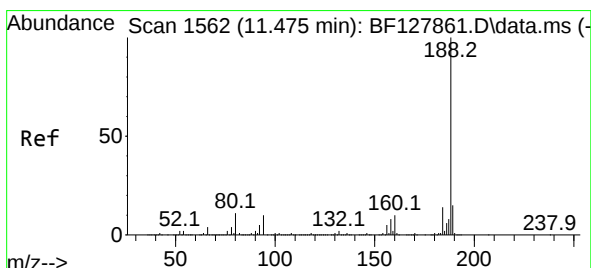
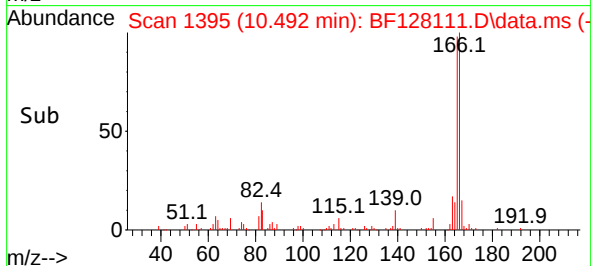
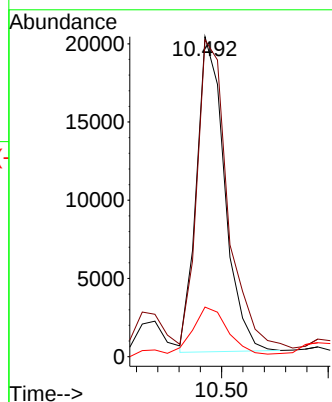
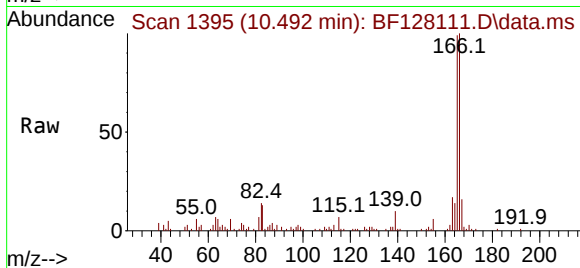
Tgt Ion:166 Resp: 18531

Ion Ratio Lower Upper

166 100

165 99.0 78.6 117.8

167 15.5 10.5 15.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.439 min Scan# 1556

Delta R.T. -0.006 min

Lab File: BF128111.D

Acq: 05 May 2022 23:15

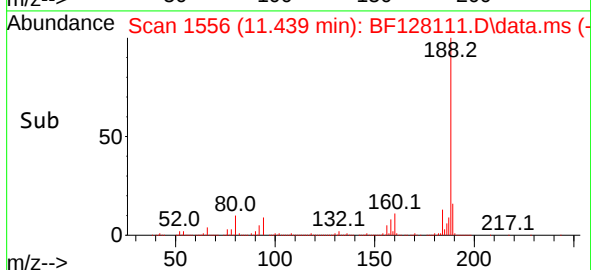
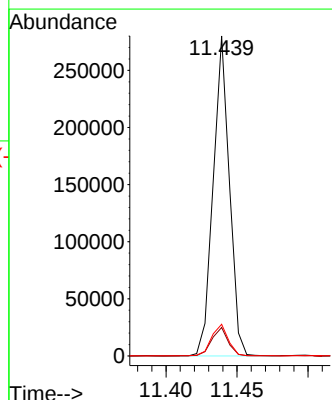
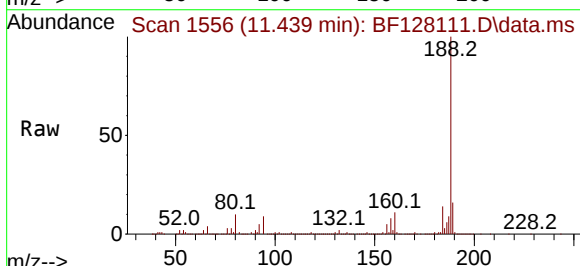
Tgt Ion:188 Resp: 223151

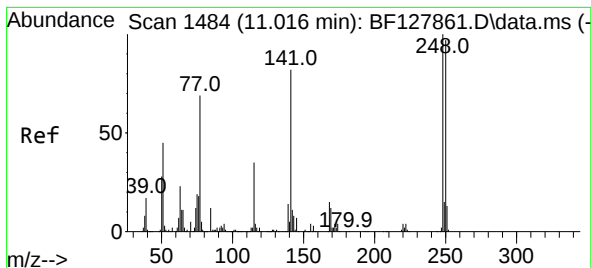
Ion Ratio Lower Upper

188 100

94 8.9 8.0 12.0

80 9.9 8.9 13.3

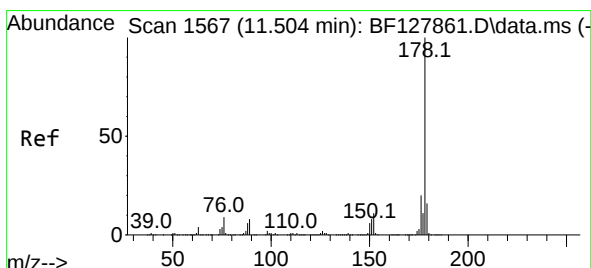
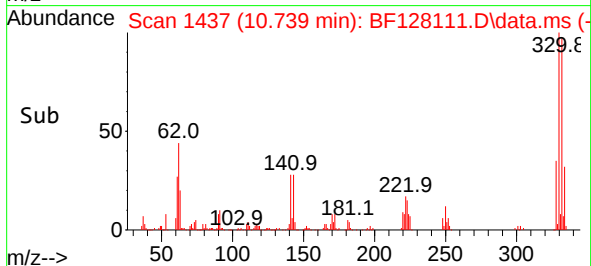
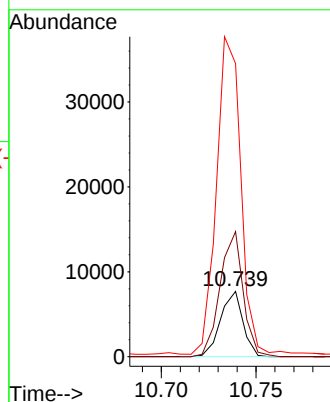
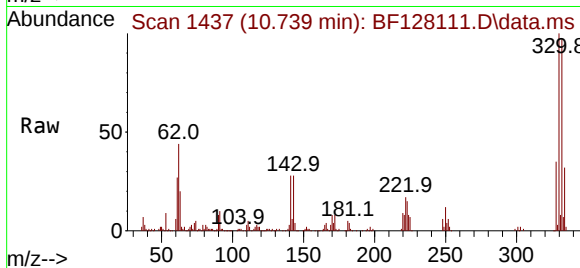




#67
4-Bromophenyl-phenylether
Concen: 2.558 ng
RT: 10.739 min Scan# 1484
Delta R.T. -0.247 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15

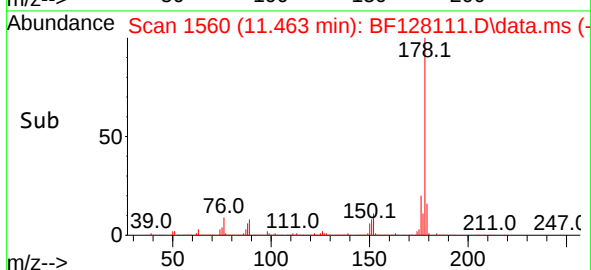
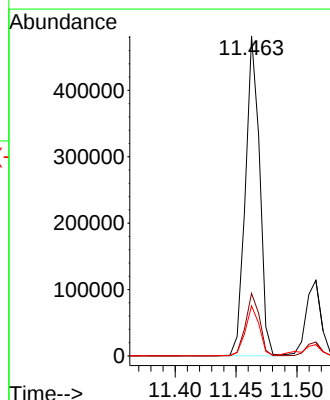
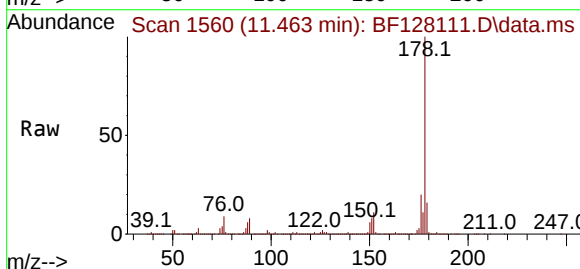
Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1

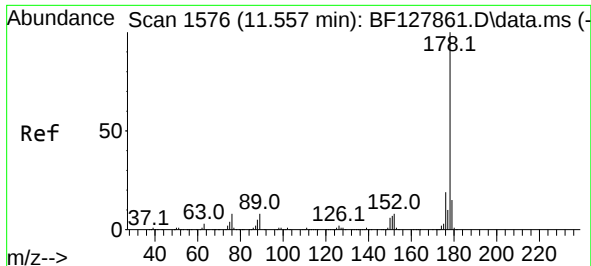
Tgt Ion:248 Resp: 6328
Ion Ratio Lower Upper
248 100
250 191.5 77.7 116.5#
141 448.8 65.6 98.4#



#71
Phenanthrene
Concen: 33.481 ng
RT: 11.463 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15

Tgt Ion:178 Resp: 391085
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 15.7 12.6 19.0

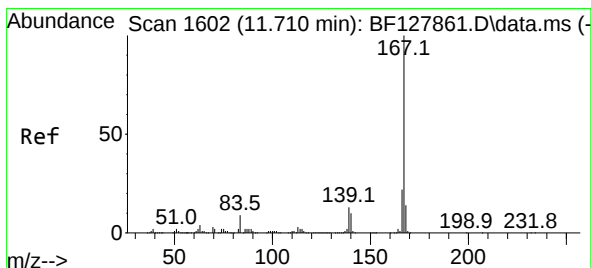
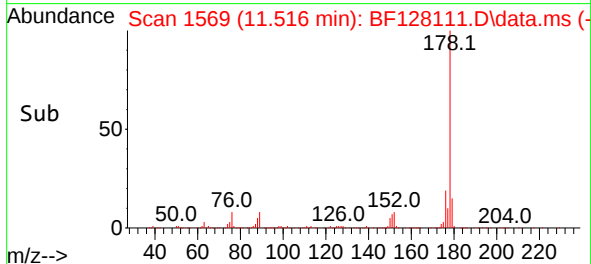
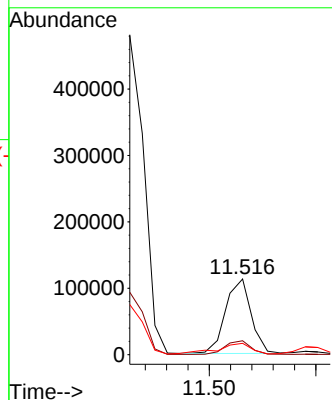
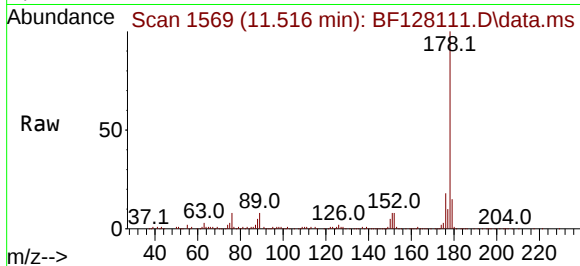




#72
 Anthracene
 Concen: 8.062 ng
 RT: 11.516 min Scan# 1595
 Delta R.T. -0.006 min
 Lab File: BF128111.D
 Acq: 05 May 2022 23:15

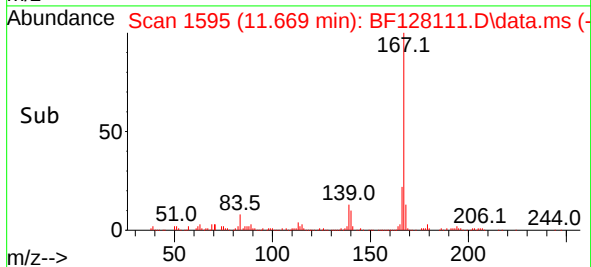
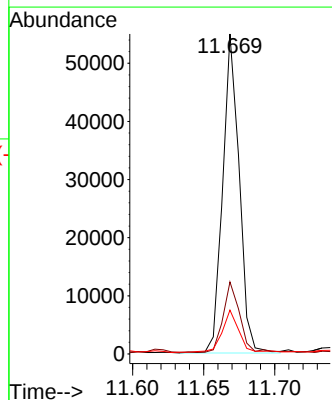
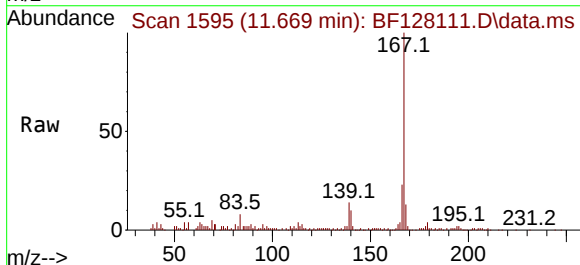
Instrument :
 BNA_F
 ClientSampleId :
 SHALLOW-WC-1

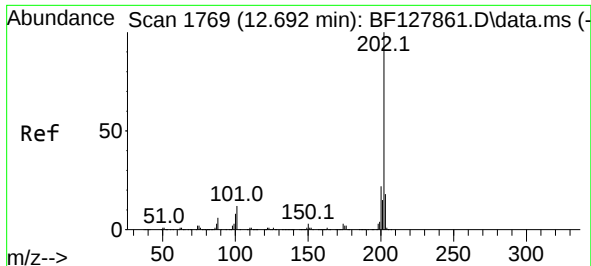
Tgt Ion:178 Resp: 93809
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.0 22.6
 179 14.9 12.4 18.6



#73
 Carbazole
 Concen: 3.948 ng
 RT: 11.669 min Scan# 1595
 Delta R.T. -0.012 min
 Lab File: BF128111.D
 Acq: 05 May 2022 23:15

Tgt Ion:167 Resp: 44278
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.6 26.4
 139 13.7 10.7 16.1

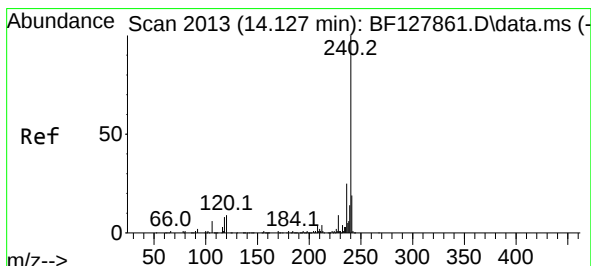
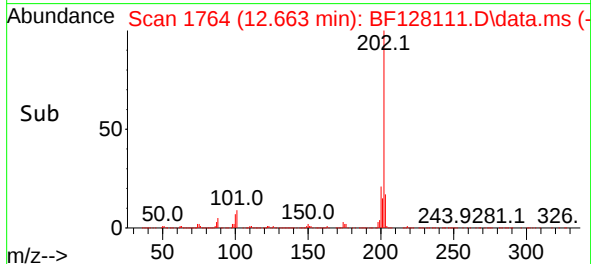
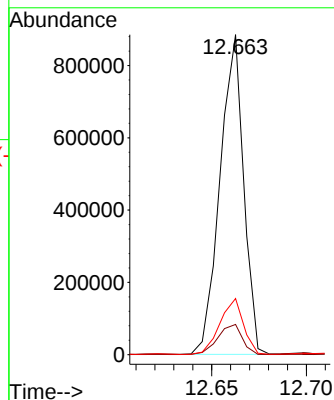
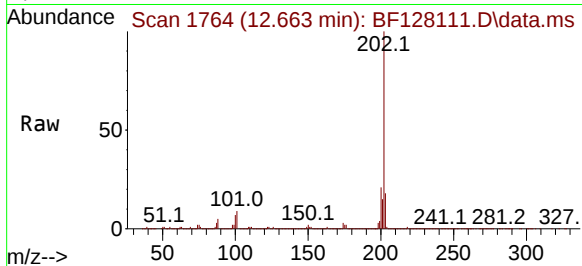




#75
Fluoranthene
Concen: 62.477 ng
RT: 12.663 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15

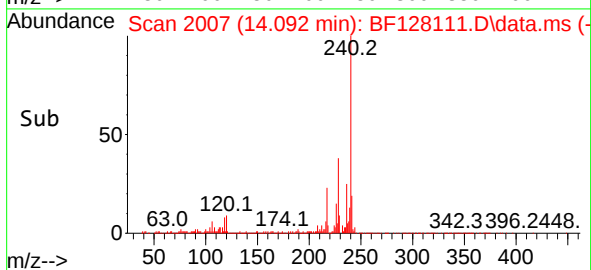
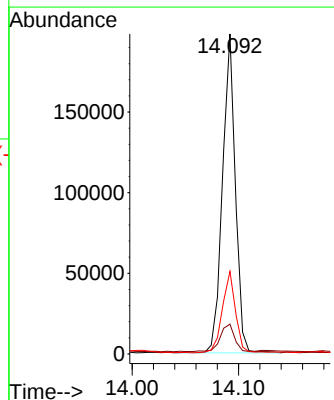
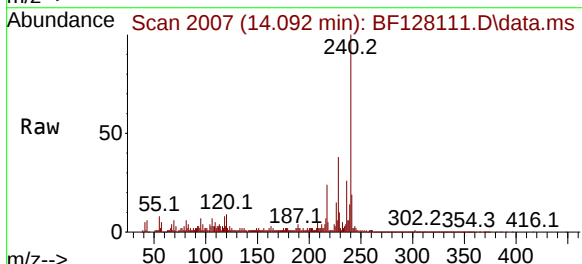
Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1

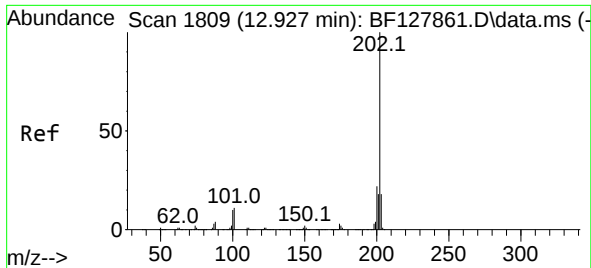
Tgt Ion:202 Resp: 768074
Ion Ratio Lower Upper
202 100
101 9.4 0.0 31.6
203 17.5 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15

Tgt Ion:240 Resp: 165287
Ion Ratio Lower Upper
240 100
120 9.3 7.0 10.6
236 25.8 20.3 30.5

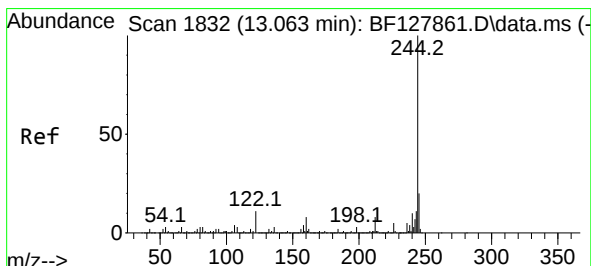
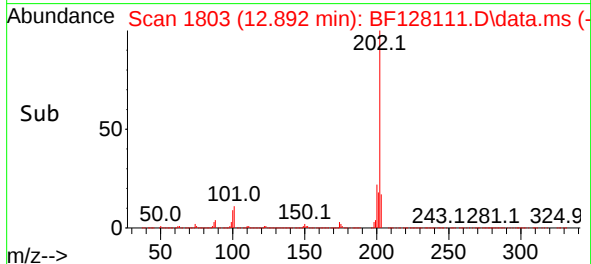
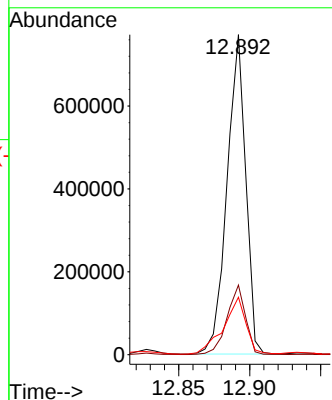
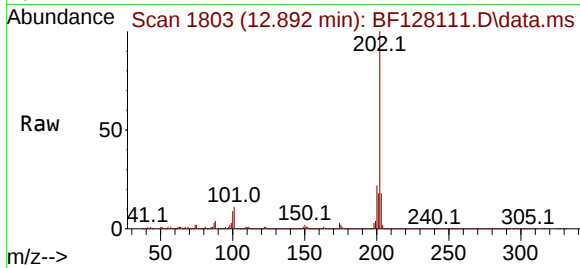




#78
Pyrene
Concen: 52.742 ng
RT: 12.892 min Scan# 1803
Delta R.T. 0.000 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15

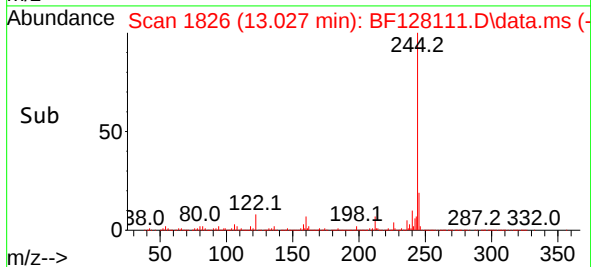
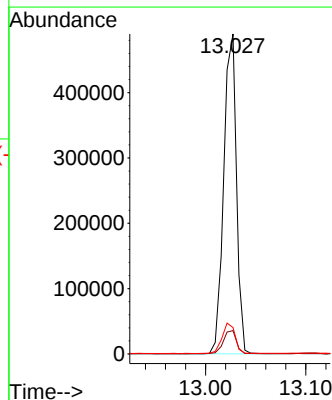
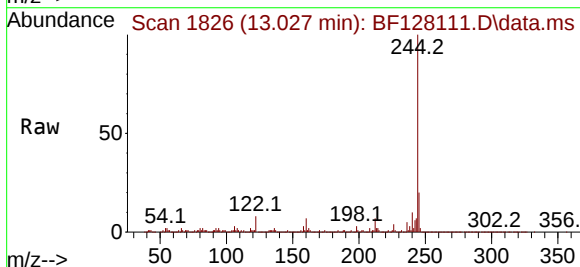
Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1

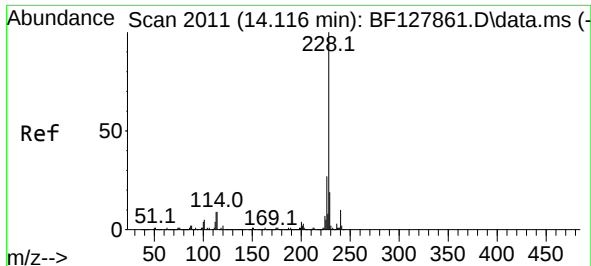
Tgt Ion:202 Resp: 703723
Ion Ratio Lower Upper
202 100
200 21.8 17.4 26.2
203 18.0 14.0 21.0



#79
Terphenyl-d14
Concen: 47.692 ng
RT: 13.027 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15

Tgt Ion:244 Resp: 431099
Ion Ratio Lower Upper
244 100
212 7.3 6.2 9.4
122 8.2 8.6 12.8#

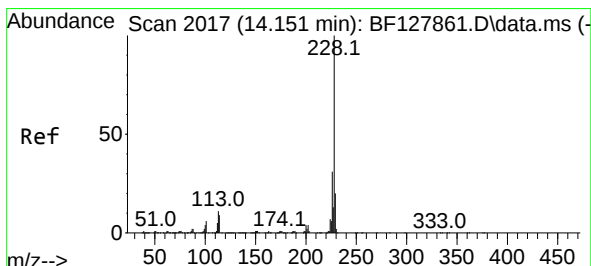
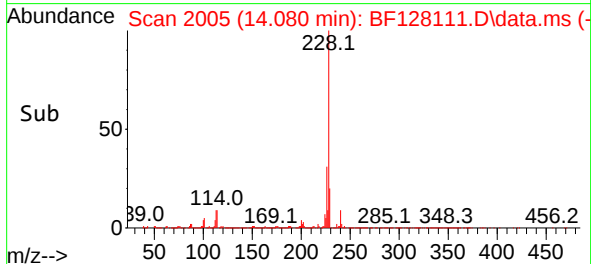
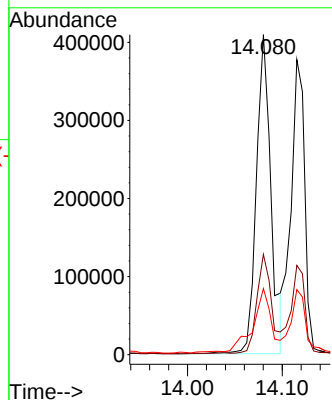
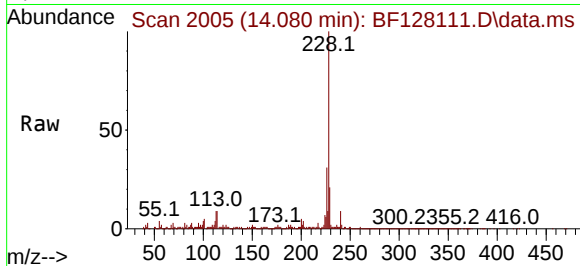




#81
Benzo(a)anthracene
Concen: 39.592 ng
RT: 14.080 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15

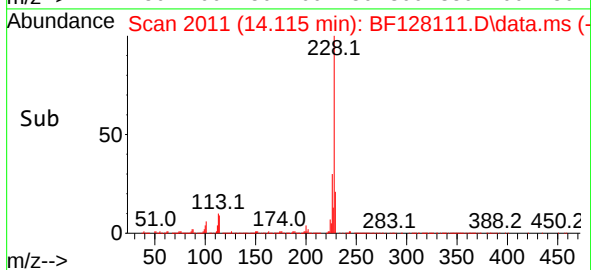
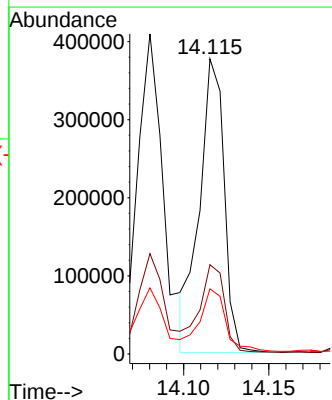
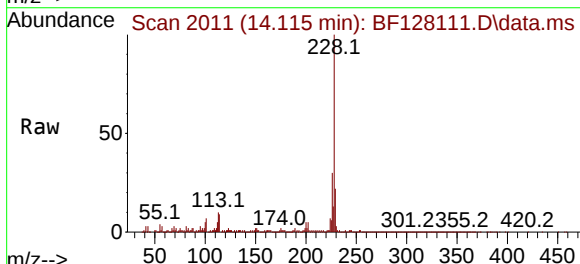
Instrument :
BNA_F
ClientSampleId :
SHALLOW-WC-1

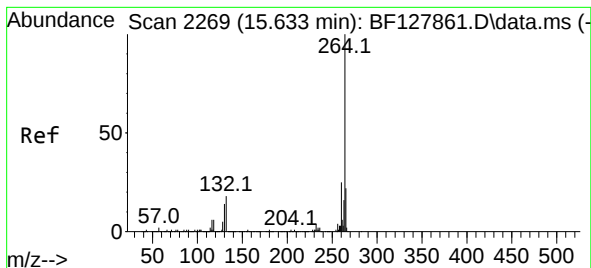
Tgt Ion:228 Resp: 436175
Ion Ratio Lower Upper
228 100
226 31.3 21.7 32.5
229 20.7 15.4 23.2



#83
Chrysene
Concen: 35.957 ng
RT: 14.115 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF128111.D
Acq: 05 May 2022 23:15

Tgt Ion:228 Resp: 378320
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 22.1 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.598 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF128111.D

Acq: 05 May 2022 23:15

Instrument :

BNA_F

ClientSampleId :

SHALLOW-WC-1

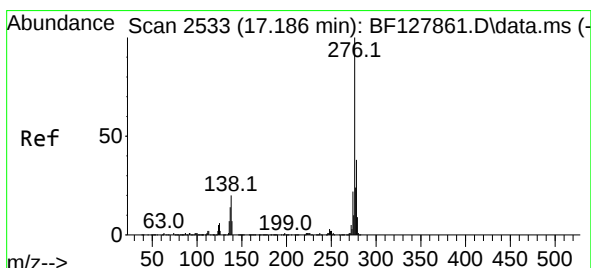
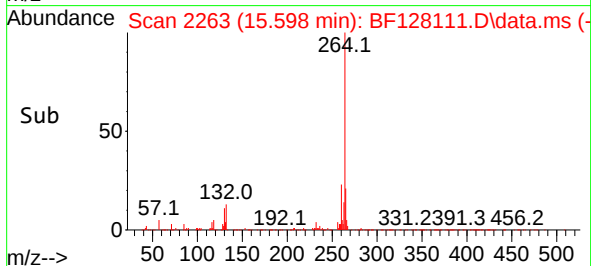
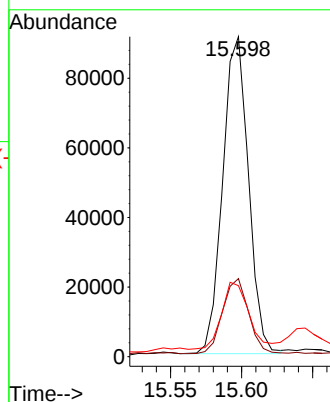
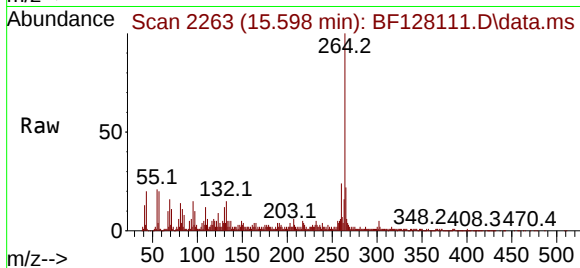
Tgt Ion:264 Resp: 115008

Ion Ratio Lower Upper

264 100

260 24.4 20.1 30.1

265 22.2 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.291 ng

RT: 16.962 min Scan# 2495

Delta R.T. -0.165 min

Lab File: BF128111.D

Acq: 05 May 2022 23:15

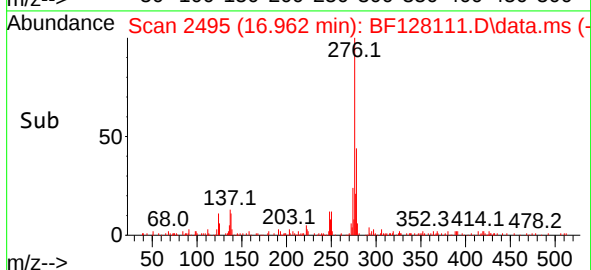
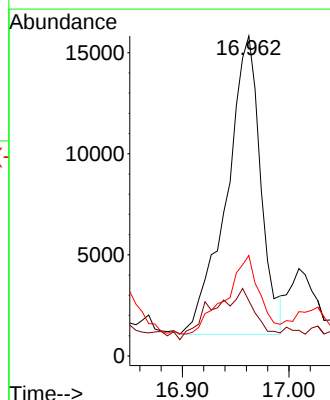
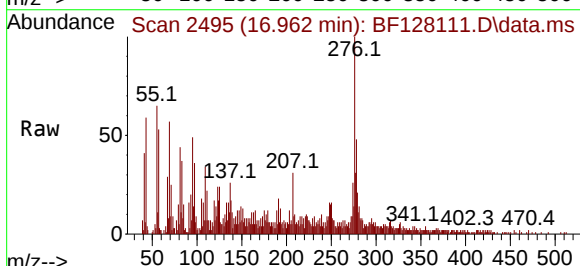
Tgt Ion:276 Resp: 32941

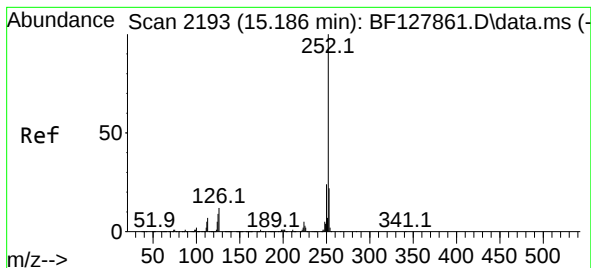
Ion Ratio Lower Upper

276 100

138 21.5 19.0 28.4

277 26.0 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 76.254 ng

RT: 15.151 min Scan# 2187

Delta R.T. 0.000 min

Lab File: BF128111.D

Acq: 05 May 2022 23:15

Instrument :

BNA_F

ClientSampleId :

SHALLOW-WC-1

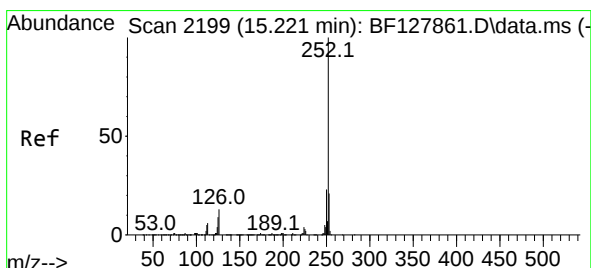
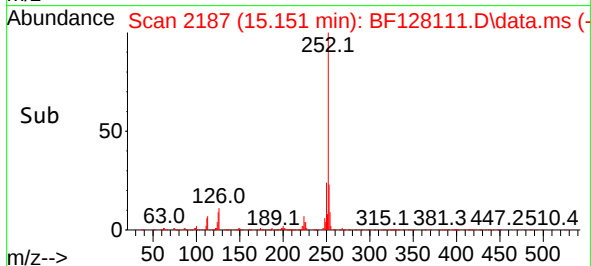
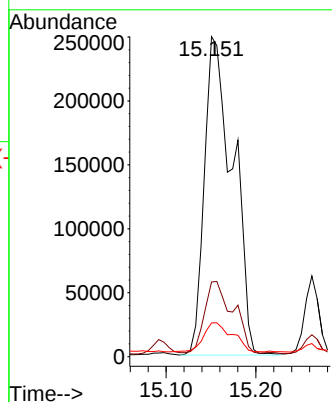
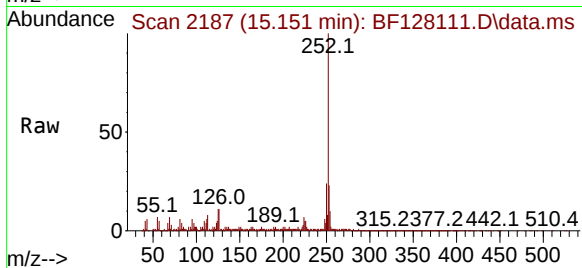
Tgt Ion:252 Resp: 550820

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.2

125 10.5 7.4 11.2



#89

Benzo(k)fluoranthene

Concen: 75.688 ng

RT: 15.151 min Scan# 2187

Delta R.T. -0.029 min

Lab File: BF128111.D

Acq: 05 May 2022 23:15

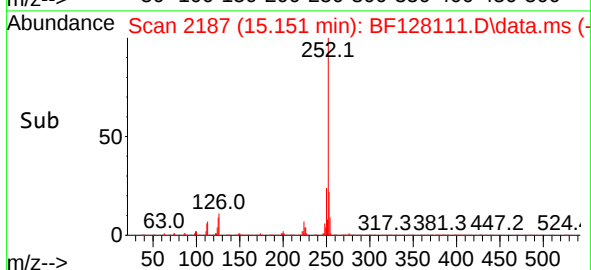
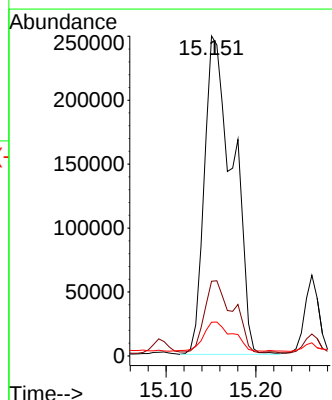
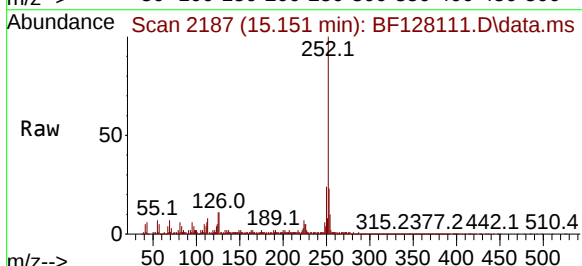
Tgt Ion:252 Resp: 550820

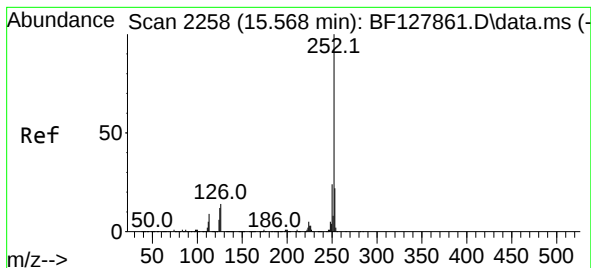
Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.4

125 10.5 6.8 10.2#





#90

Benzo(a)pyrene

Concen: 42.060 ng

RT: 15.533 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF128111.D

Acq: 05 May 2022 23:15

Instrument :

BNA_F

ClientSampleId :

SHALLOW-WC-1

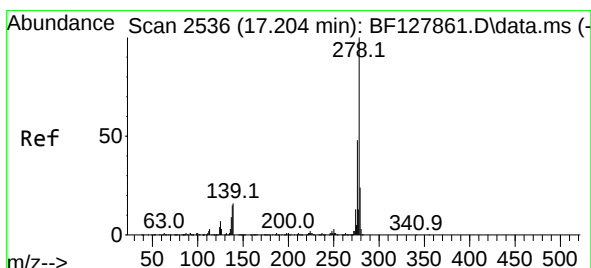
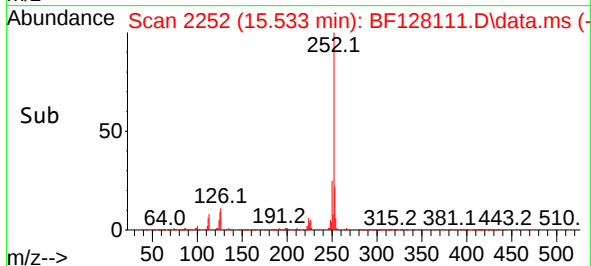
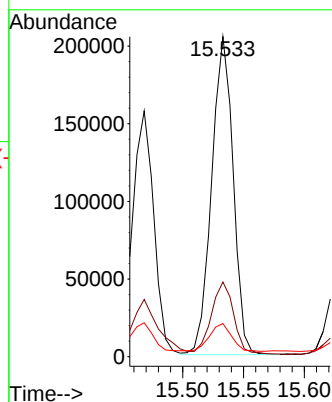
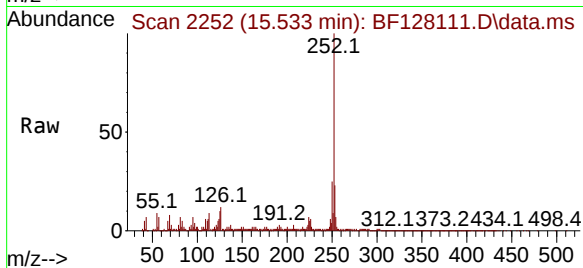
Tgt Ion:252 Resp: 252019

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.6

125 10.3 9.2 13.8



#91

Dibenzo(a,h)anthracene

Concen: 6.032 ng

RT: 17.315 min Scan# 2555

Delta R.T. 0.171 min

Lab File: BF128111.D

Acq: 05 May 2022 23:15

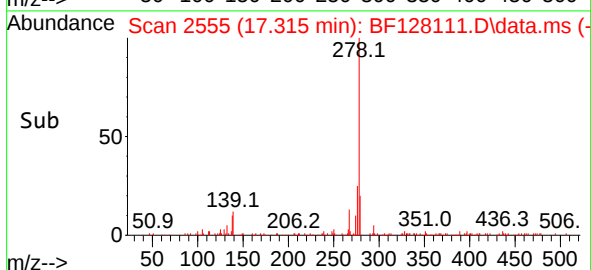
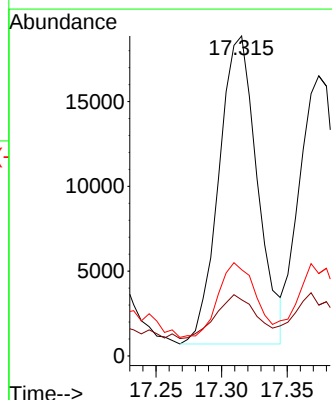
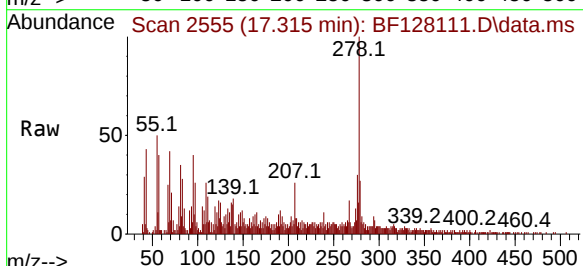
Tgt Ion:278 Resp: 37139

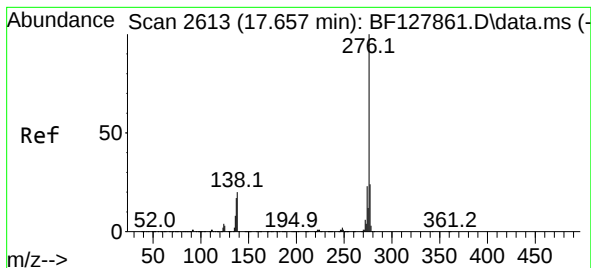
Ion Ratio Lower Upper

278 100

139 17.5 12.6 19.0

279 27.0 18.9 28.3





#92

Benzo(g,h,i)perylene

Concen: 24.916 ng

RT: 17.598 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF128111.D

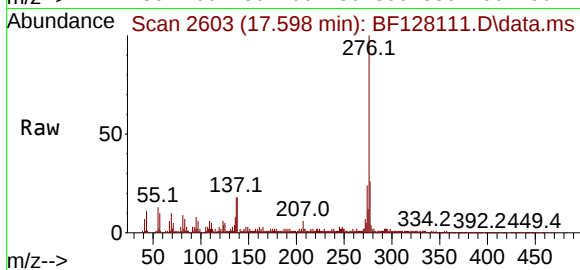
Acq: 05 May 2022 23:15

Instrument :

BNA_F

ClientSampleId :

SHALLOW-WC-1



Tgt Ion:276 Resp: 161658

Ion Ratio Lower Upper

276 100

277 25.7 18.8 28.2

138 18.2 16.2 24.2

