

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
 Data File : BF128000.D
 Acq On : 29 Apr 2022 17:44
 Operator : CG\JU
 Sample : N2609-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Quant Time: May 02 00:57:54 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)

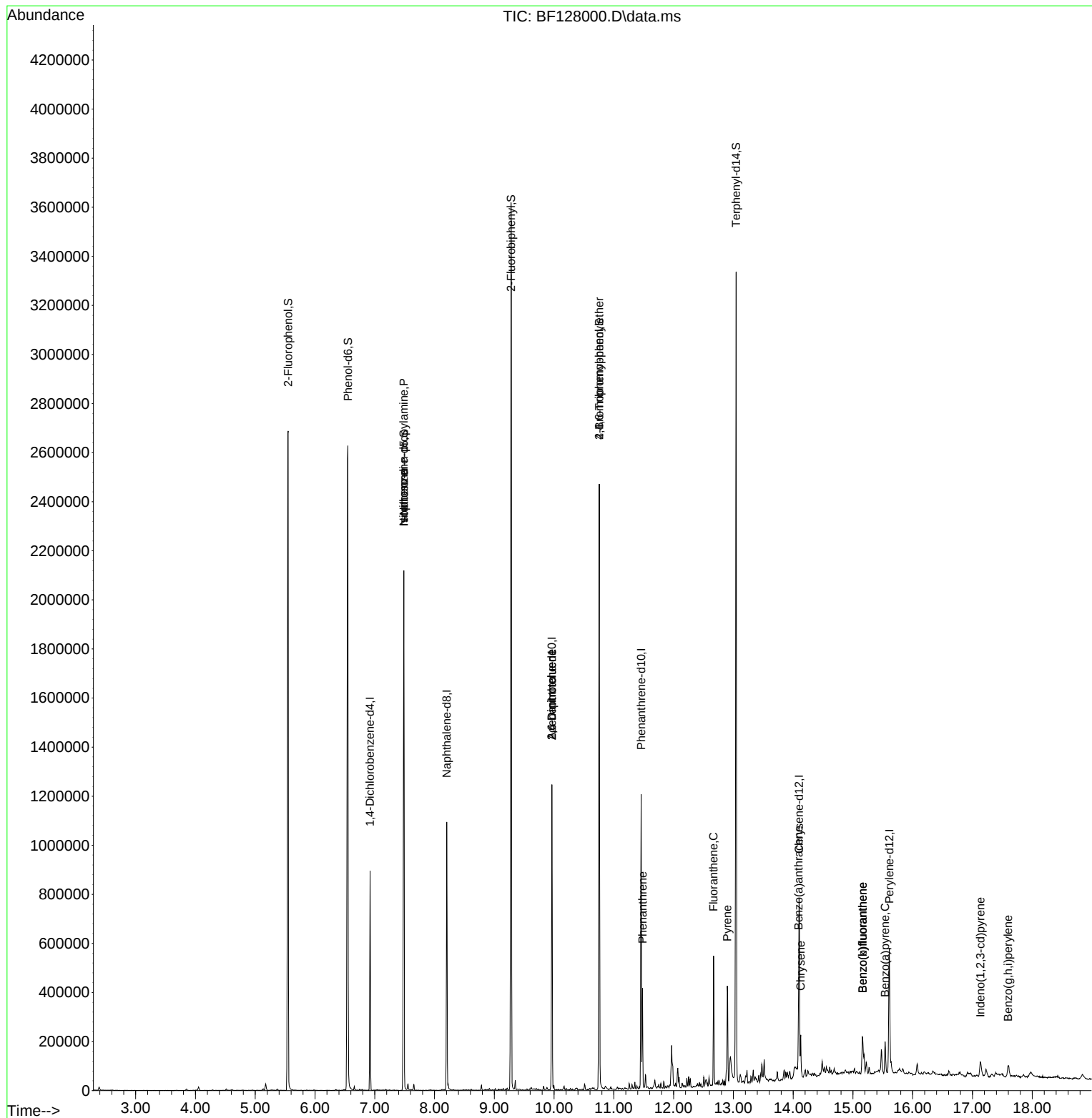
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	112976	20.000	ng	-0.01
21) Naphthalene-d8	8.204	136	435695	20.000	ng	-0.01
39) Acenaphthene-d10	9.963	164	243187	20.000	ng	-0.01
64) Phenanthrene-d10	11.457	188	415782	20.000	ng	-0.01
76) Chrysene-d12	14.098	240	233203	20.000	ng	-0.02
86) Perylene-d12	15.609	264	233212	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	759067	107.016	ng	0.00
7) Phenol-d6	6.551	99	999588	108.608	ng	-0.01
23) Nitrobenzene-d5	7.486	82	726754	78.438	ng	-0.02
42) 2,4,6-Tribromophenol	10.757	330	274694	112.208	ng	-0.01
45) 2-Fluorobiphenyl	9.280	172	1199156	83.420	ng	-0.01
79) Terphenyl-d14	13.045	244	1089417	85.422	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.486	70	96883	17.196	ng	# 81
25) Isophorone	7.486	82	724648	46.469	ng	# 68
51) 2,6-Dinitrotoluene	9.963	165	30756	8.710	ng	# 21
57) 2,4-Dinitrotoluene	9.963	165	30756	6.575	ng	# 26
67) 4-Bromophenyl-phenylether	10.757	248	16705	3.624	ng	# 1
71) Phenanthrene	11.480	178	134271	6.169	ng	98
75) Fluoranthene	12.668	202	190224	8.304	ng	100
78) Pyrene	12.898	202	171876	9.130	ng	100
81) Benzo(a)anthracene	14.092	228	64993	4.181	ng	96
83) Chrysene	14.127	228	68604	4.621	ng	97
87) Indeno(1,2,3-cd)pyrene	17.133	276	38495	2.473	ng	95
88) Benzo(b)fluoranthene	15.162	252	115649	7.895	ng	98
89) Benzo(k)fluoranthene	15.162	252	115649	7.837	ng	99
90) Benzo(a)pyrene	15.539	252	59992	4.938	ng	97
92) Benzo(g,h,i)perylene	17.598	276	38624	2.936	ng	99

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

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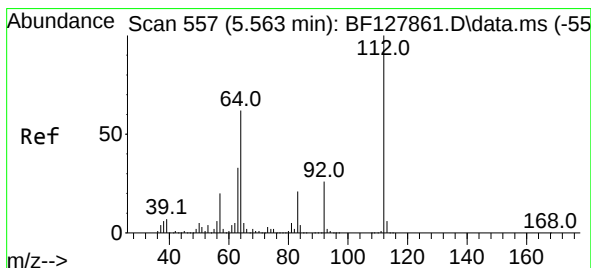
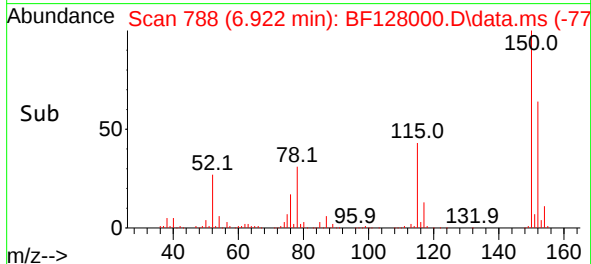
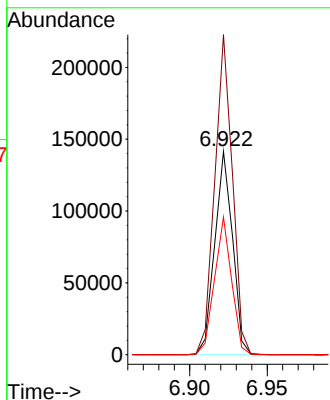
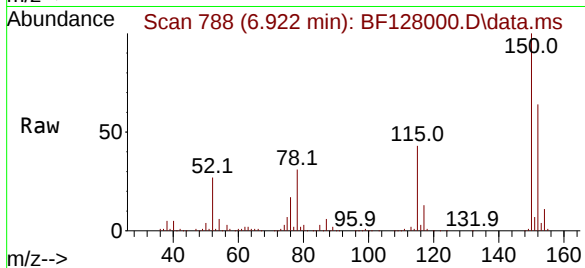




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.922 min Scan# 792
 Delta R.T. -0.012 min
 Lab File: BF128000.D
 Acq: 29 Apr 2022 17:44

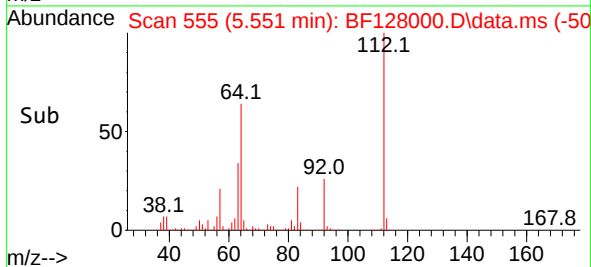
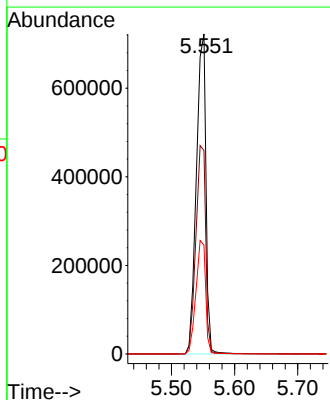
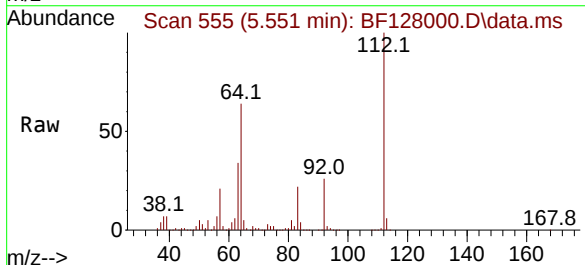
Instrument :
 BNA_F
 ClientSampleId :
 WC-2

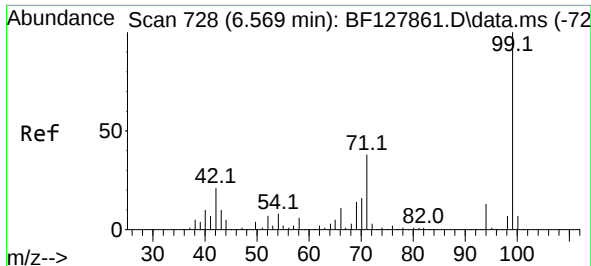
Tgt Ion:152 Resp: 112976
 Ion Ratio Lower Upper
 152 100
 150 157.3 125.3 187.9
 115 67.6 48.8 73.2



#5
 2-Fluorophenol
 Concen: 107.016 ng
 RT: 5.551 min Scan# 555
 Delta R.T. -0.000 min
 Lab File: BF128000.D
 Acq: 29 Apr 2022 17:44

Tgt Ion:112 Resp: 759067
 Ion Ratio Lower Upper
 112 100
 64 63.6 49.5 74.3
 63 34.0 26.3 39.5

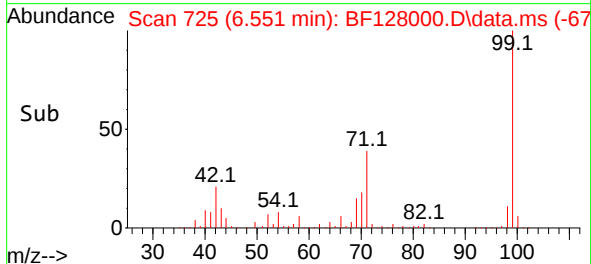
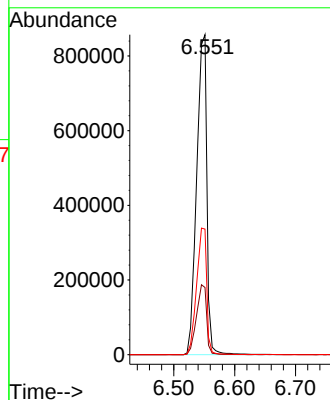
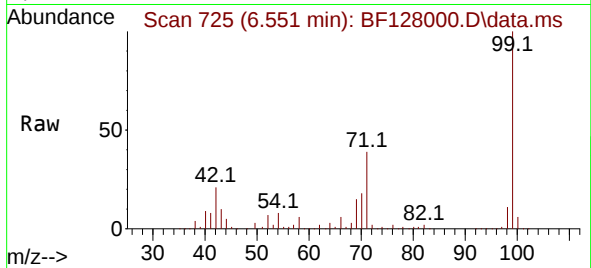




#7
Phenol-d6
Concen: 108.608 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128000.D
Acq: 29 Apr 2022 17:44

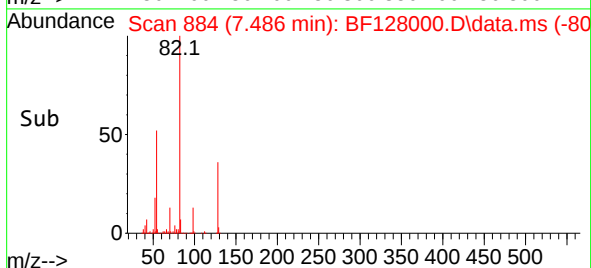
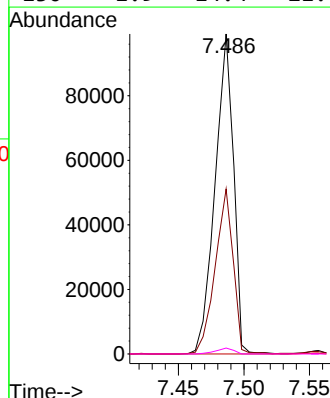
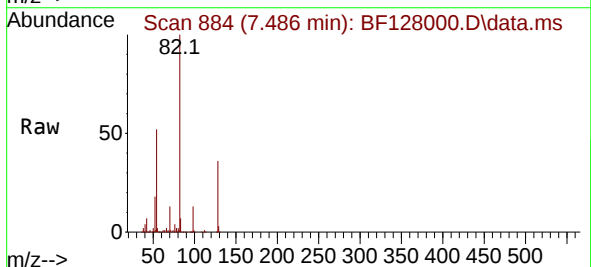
Instrument :
BNA_F
ClientSampleId :
WC-2

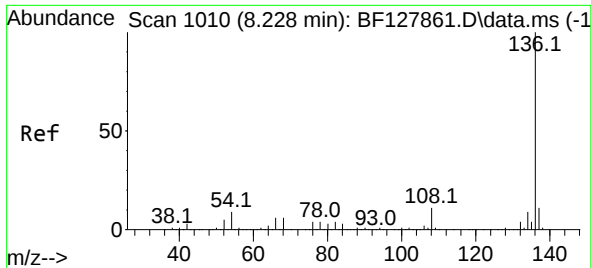
Tgt Ion: 99 Resp: 999588
Ion Ratio Lower Upper
99 100
42 21.0 16.6 24.8
71 39.2 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 17.196 ng
RT: 7.486 min Scan# 884
Delta R.T. 0.141 min
Lab File: BF128000.D
Acq: 29 Apr 2022 17:44

Tgt Ion: 70 Resp: 96883
Ion Ratio Lower Upper
70 100
42 51.5 48.7 73.1
101 0.0 7.2 10.8#
130 1.9 14.4 21.6#

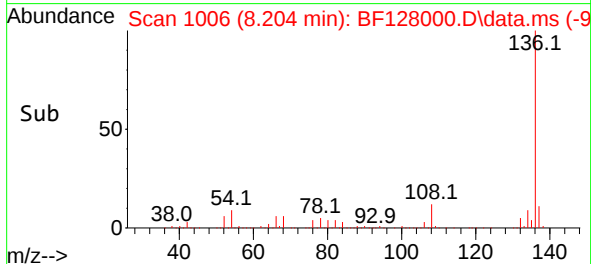
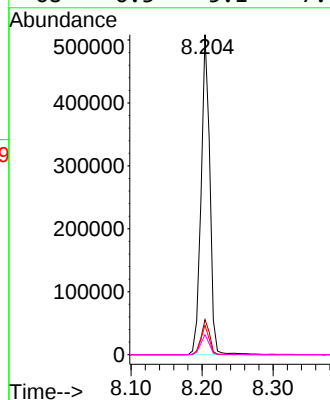
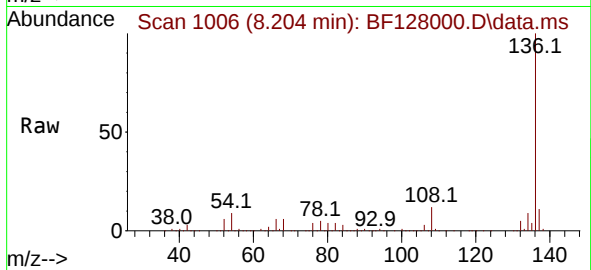




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1010
Delta R.T. -0.012 min
Lab File: BF128000.D
Acq: 29 Apr 2022 17:44

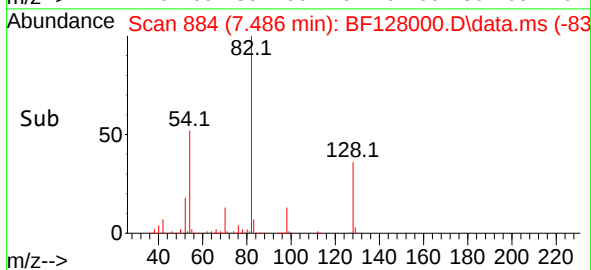
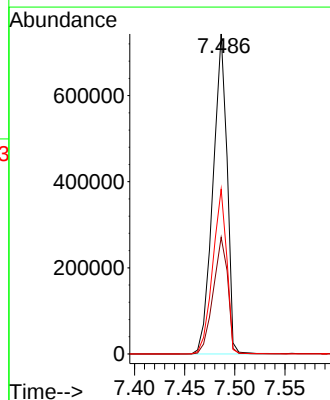
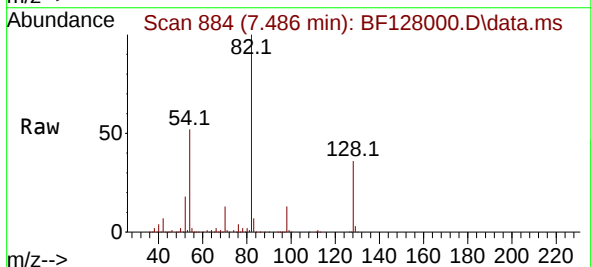
Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion:136	Resp: 435695
Ion Ratio	Lower Upper
136 100	
137 10.9	8.6 13.0
54 9.1	6.8 10.2
68 6.3	5.1 7.7



#23
Nitrobenzene-d5
Concen: 78.438 ng
RT: 7.486 min Scan# 884
Delta R.T. -0.018 min
Lab File: BF128000.D
Acq: 29 Apr 2022 17:44

Tgt Ion: 82	Resp: 726754
Ion Ratio	Lower Upper
82 100	
128 36.5	30.0 45.0
54 51.5	41.3 61.9

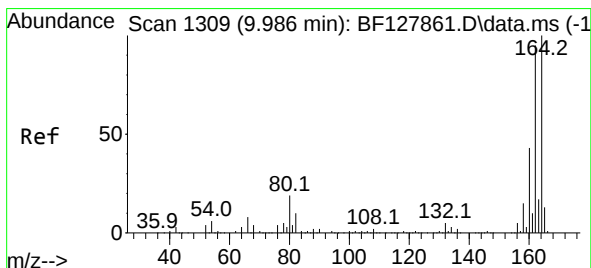
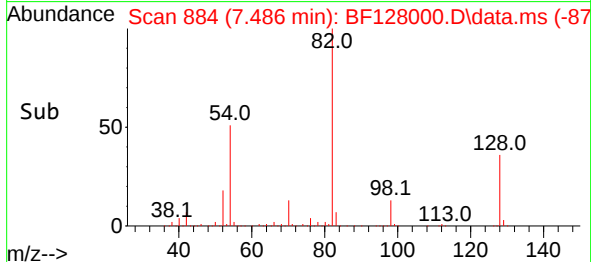
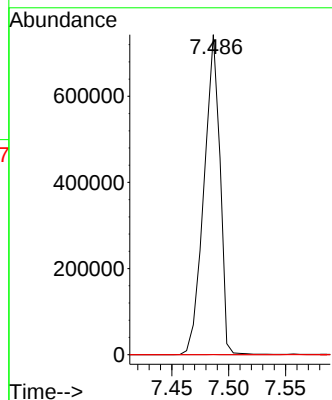
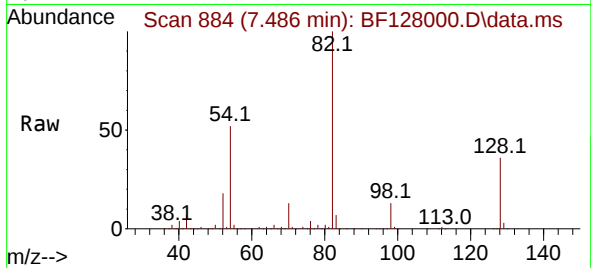




#25
Isophorone
Concen: 46.469 ng
RT: 7.486 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF128000.D
Acq: 29 Apr 2022 17:44

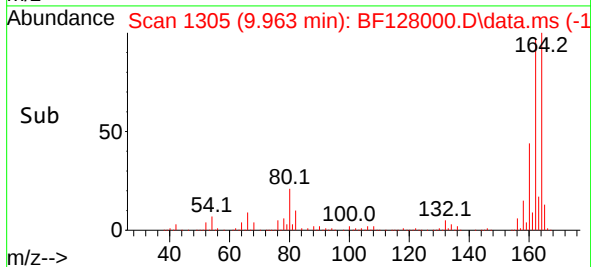
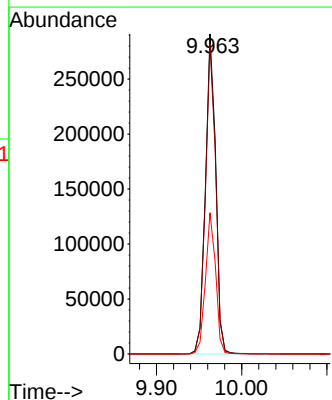
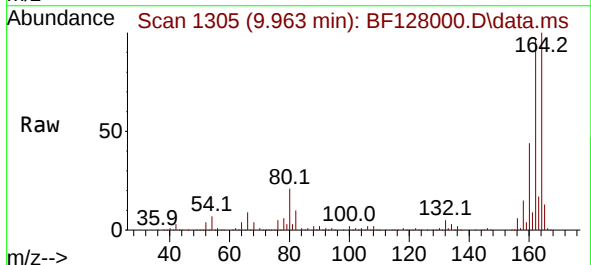
Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion: 82 Resp: 724648
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: BF128000.D
Acq: 29 Apr 2022 17:44

Tgt Ion: 164 Resp: 243187
Ion Ratio Lower Upper
164 100
162 96.9 76.0 114.0
160 44.2 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 112.208 ng

RT: 10.757 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF128000.D

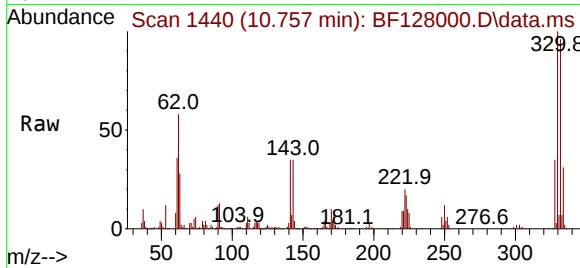
Acq: 29 Apr 2022 17:44

Instrument :

BNA_F

ClientSampleId :

WC-2



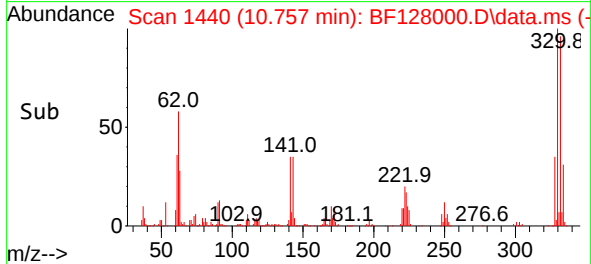
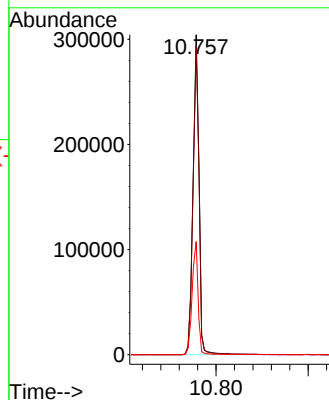
Tgt Ion:330 Resp: 274694

Ion Ratio Lower Upper

330 100

332 96.2 79.0 118.4

141 35.1 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 83.420 ng

RT: 9.280 min Scan# 1189

Delta R.T. -0.012 min

Lab File: BF128000.D

Acq: 29 Apr 2022 17:44

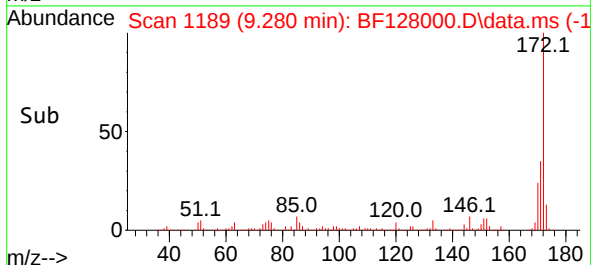
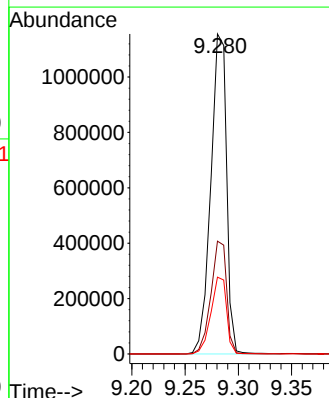
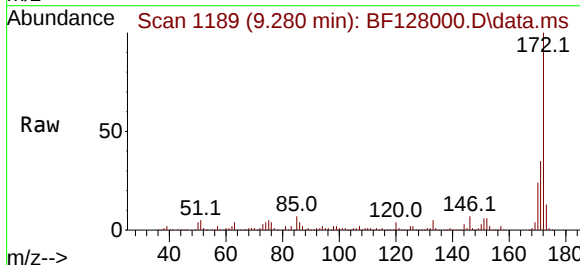
Tgt Ion:172 Resp: 1199156

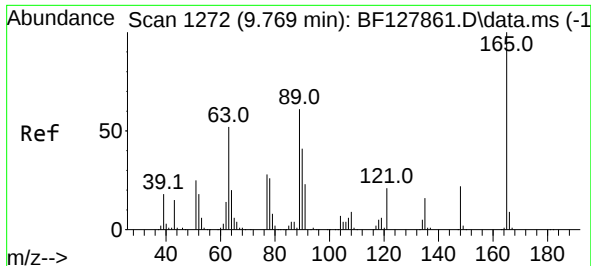
Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

170 24.0 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 8.710 ng

RT: 9.963 min Scan# 1305

Delta R.T. 0.200 min

Lab File: BF128000.D

Acq: 29 Apr 2022 17:44

Instrument :

BNA_F

ClientSampleId :

WC-2

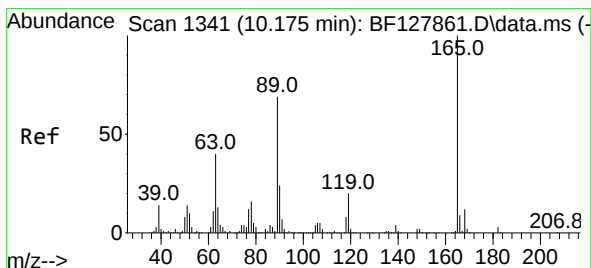
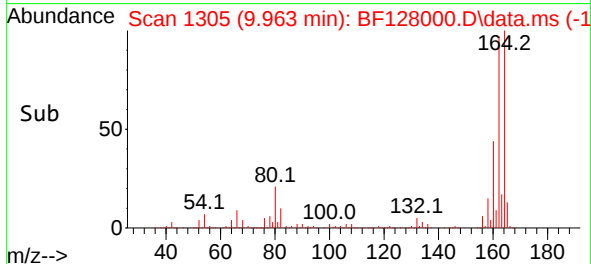
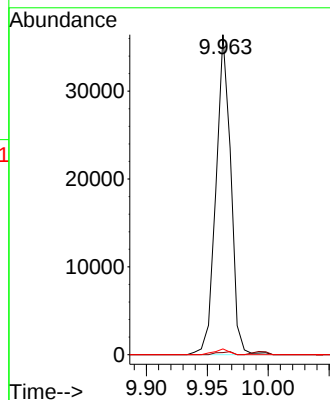
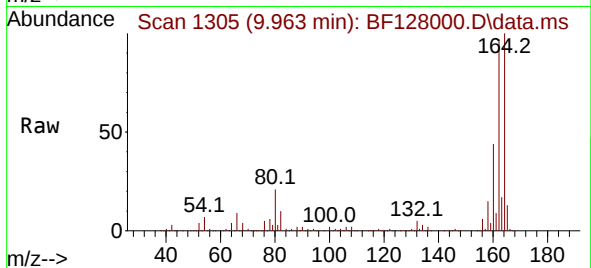
Tgt Ion:165 Resp: 30756

Ion Ratio Lower Upper

165 100

63 0.6 49.5 74.3#

89 1.8 49.0 73.4#



#57

2,4-Dinitrotoluene

Concen: 6.575 ng

RT: 9.963 min Scan# 1305

Delta R.T. -0.200 min

Lab File: BF128000.D

Acq: 29 Apr 2022 17:44

Tgt Ion:165 Resp: 30756

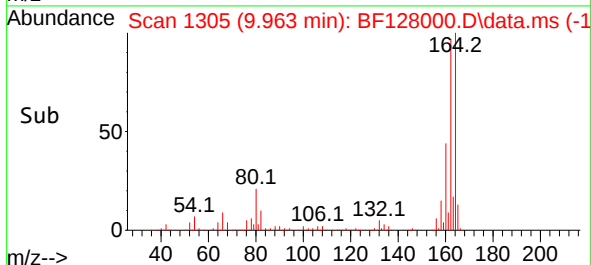
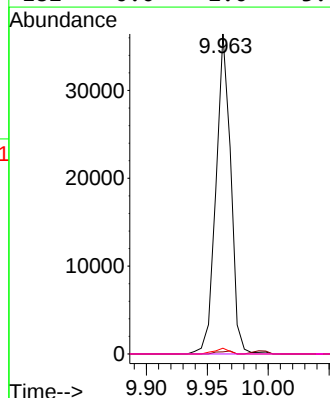
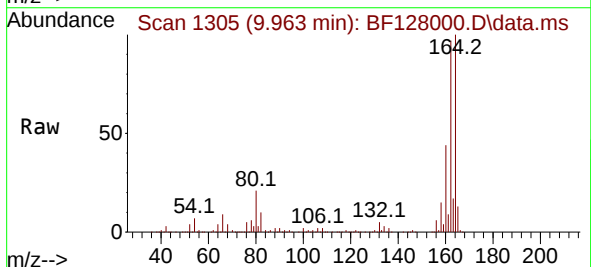
Ion Ratio Lower Upper

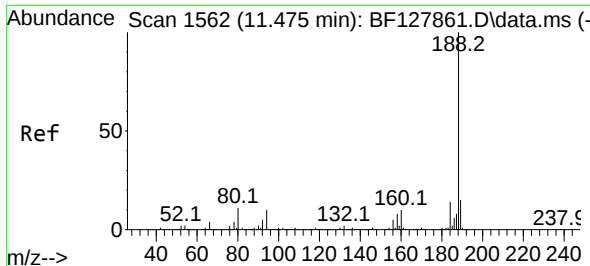
165 100

63 0.6 32.6 49.0#

89 1.8 55.2 82.8#

182 0.0 2.0 3.0#

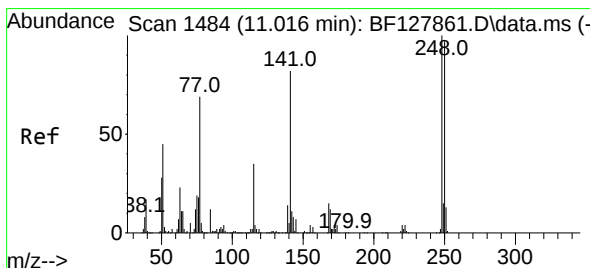
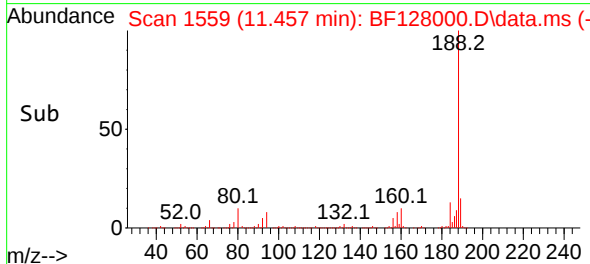
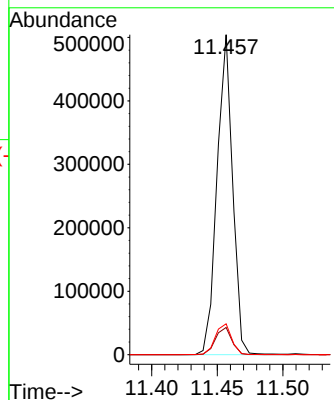
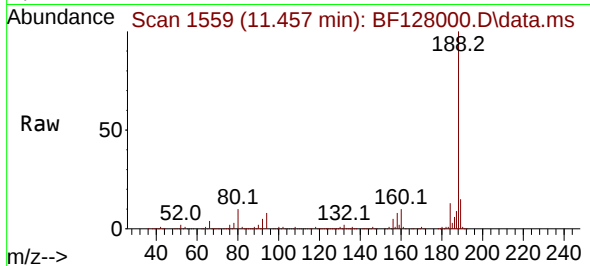




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF128000.D
Acq: 29 Apr 2022 17:44

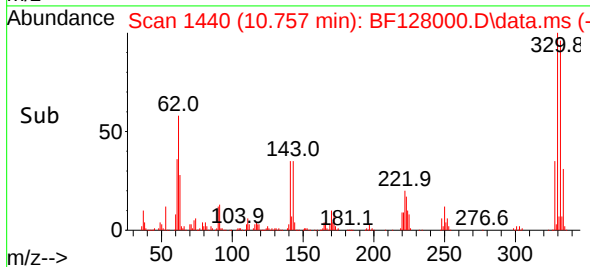
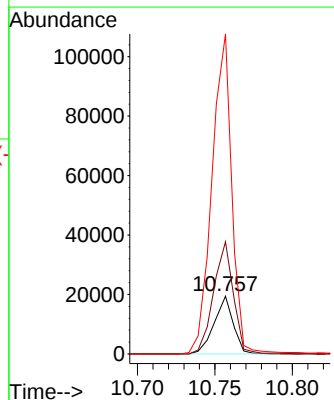
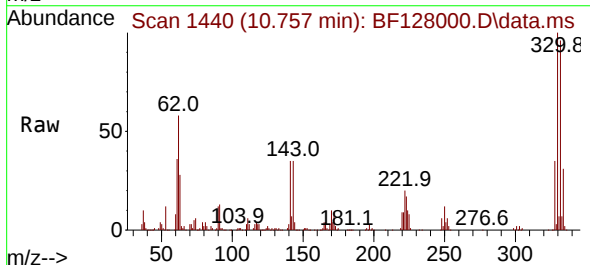
Instrument :
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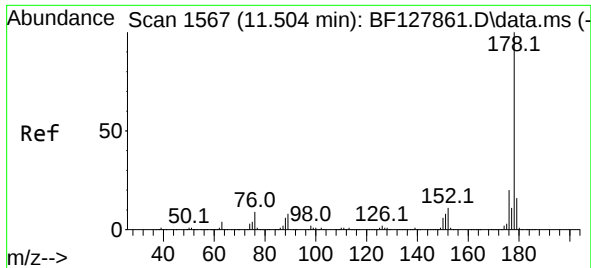
Tgt Ion:188 Resp: 415782
Ion Ratio Lower Upper
188 100
94 8.5 8.0 12.0
80 9.6 8.9 13.3



#67
4-Bromophenyl-phenylether
Concen: 3.624 ng
RT: 10.757 min Scan# 1440
Delta R.T. -0.253 min
Lab File: BF128000.D
Acq: 29 Apr 2022 17:44

Tgt Ion:248 Resp: 16705
Ion Ratio Lower Upper
248 100
250 193.9 77.7 116.5#
141 553.4 65.6 98.4#

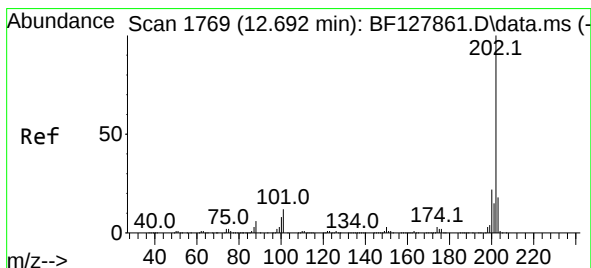
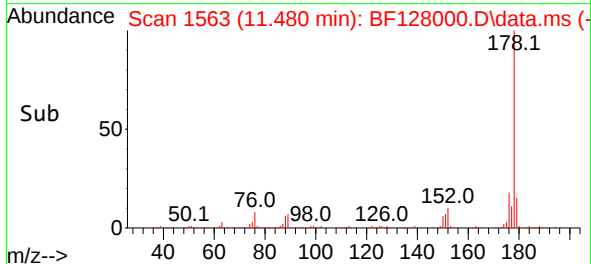
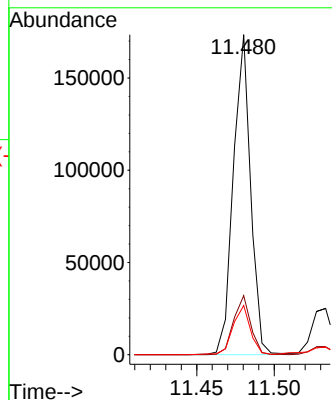
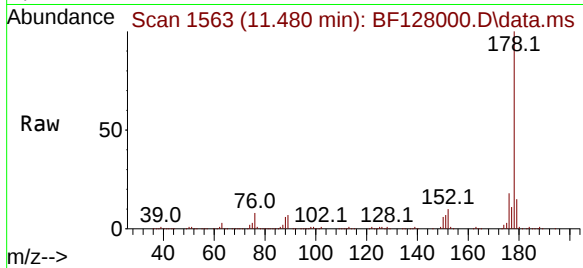




#71
Phenanthrene
Concen: 6.169 ng
RT: 11.480 min Scan# 1563
Delta R.T. -0.012 min
Lab File: BF128000.D
Acq: 29 Apr 2022 17:44

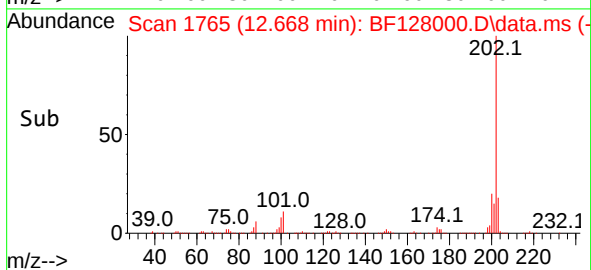
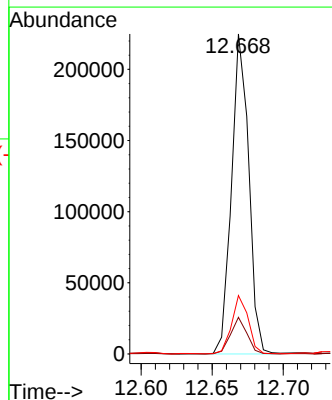
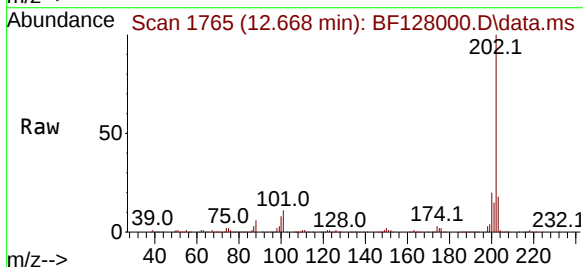
Instrument :
BNA_F
ClientSampleId :
WC-2

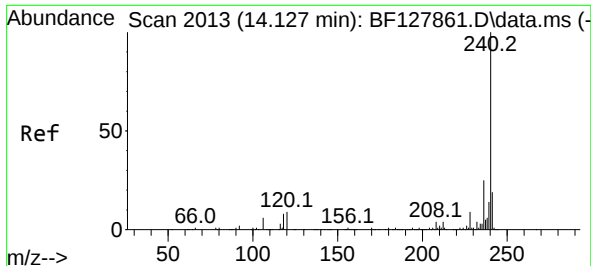
Tgt Ion:178 Resp: 134271
Ion Ratio Lower Upper
178 100
176 18.4 15.7 23.5
179 15.4 12.6 19.0



#75
Fluoranthene
Concen: 8.304 ng
RT: 12.668 min Scan# 1765
Delta R.T. -0.018 min
Lab File: BF128000.D
Acq: 29 Apr 2022 17:44

Tgt Ion:202 Resp: 190224
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.6
203 18.3 0.0 38.1

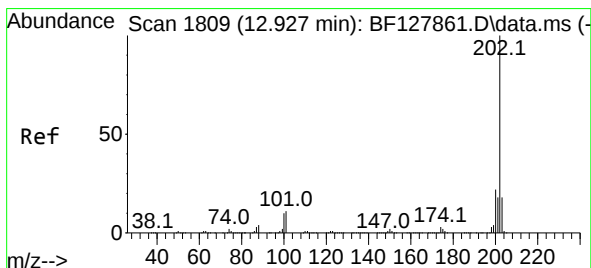
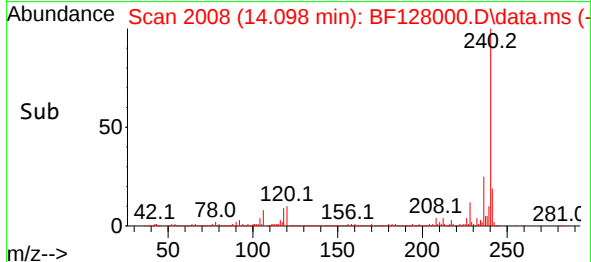
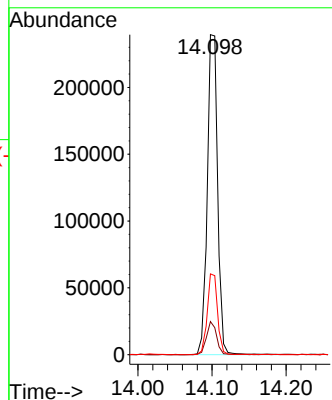
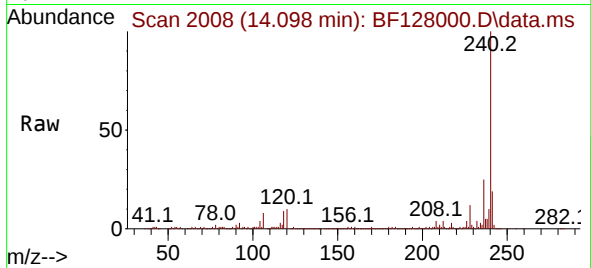




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2013
Delta R.T. -0.018 min
Lab File: BF128000.D
Acq: 29 Apr 2022 17:44

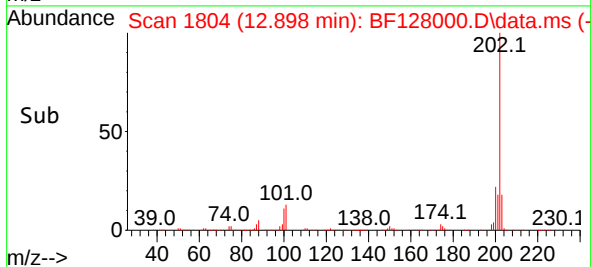
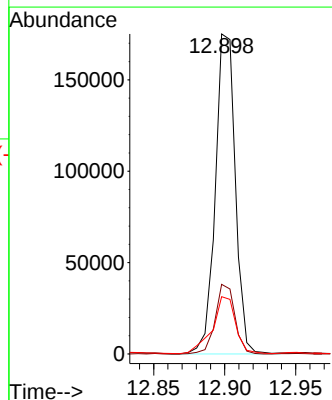
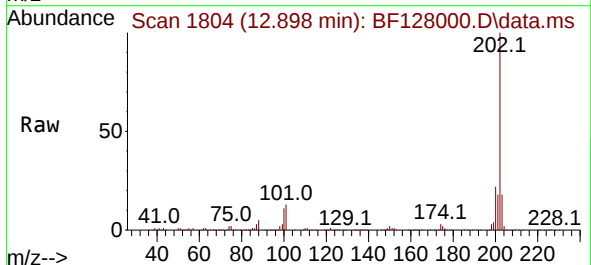
Instrument :
BNA_F
ClientSampleId :
WC-2

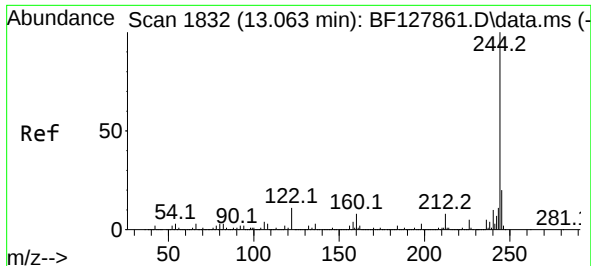
Tgt Ion:240 Resp: 233203
Ion Ratio Lower Upper
240 100
120 10.4 7.0 10.6
236 25.3 20.3 30.5



#78
Pyrene
Concen: 9.130 ng
RT: 12.898 min Scan# 1804
Delta R.T. -0.018 min
Lab File: BF128000.D
Acq: 29 Apr 2022 17:44

Tgt Ion:202 Resp: 171876
Ion Ratio Lower Upper
202 100
200 21.8 17.4 26.2
203 17.9 14.0 21.0

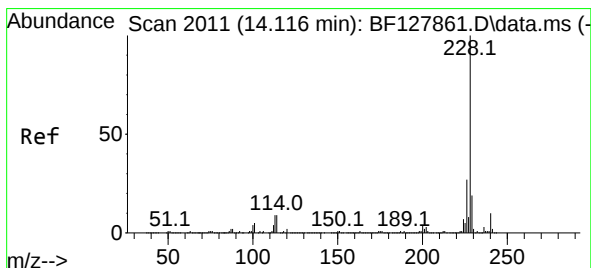
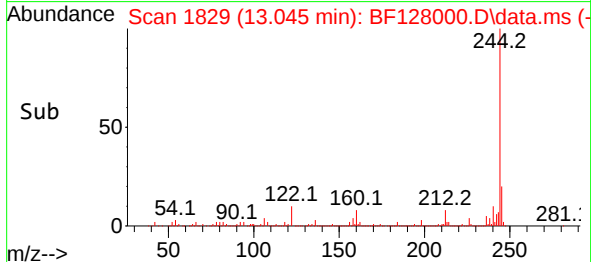
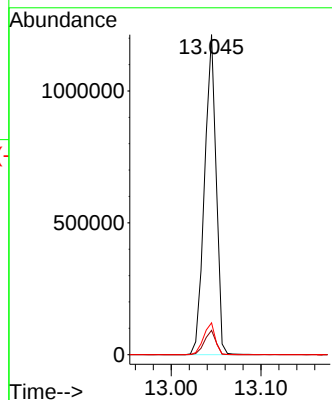
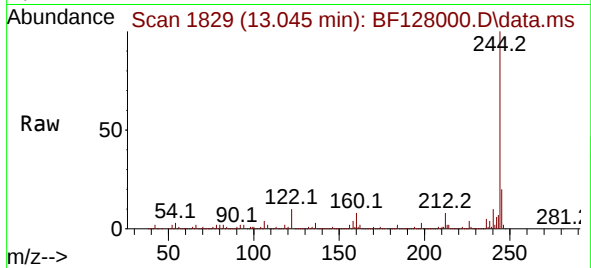




#79
 Terphenyl-d14
 Concen: 85.422 ng
 RT: 13.045 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF128000.D
 Acq: 29 Apr 2022 17:44

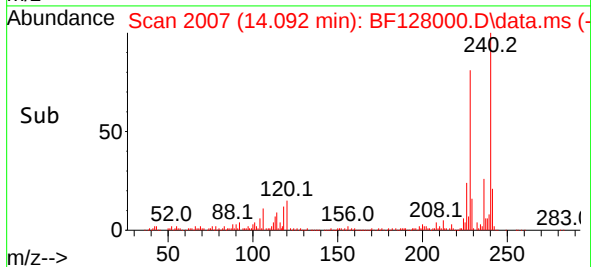
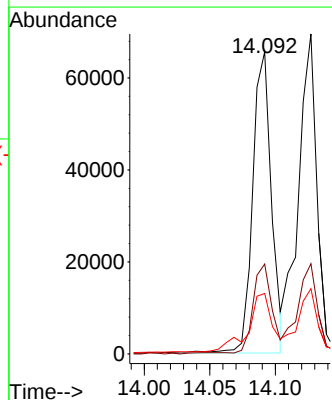
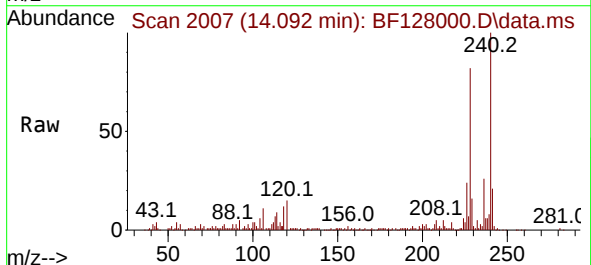
Instrument :
 BNA_F
 ClientSampleId :
 WC-2

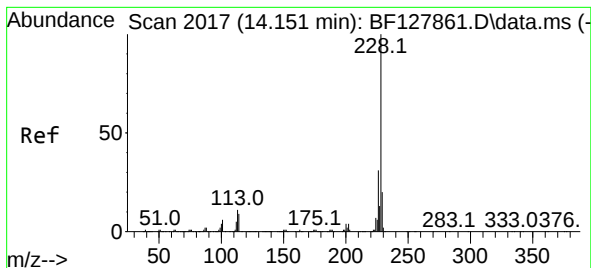
Tgt Ion:244 Resp: 1089417
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.4
 122 9.9 8.6 12.8



#81
 Benzo(a)anthracene
 Concen: 4.181 ng
 RT: 14.092 min Scan# 2007
 Delta R.T. -0.012 min
 Lab File: BF128000.D
 Acq: 29 Apr 2022 17:44

Tgt Ion:228 Resp: 64993
 Ion Ratio Lower Upper
 228 100
 226 29.7 21.7 32.5
 229 20.0 15.4 23.2





#83

Chrysene

Concen: 4.621 ng

RT: 14.127 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF128000.D

Acq: 29 Apr 2022 17:44

Instrument :

BNA_F

ClientSampleId :

WC-2

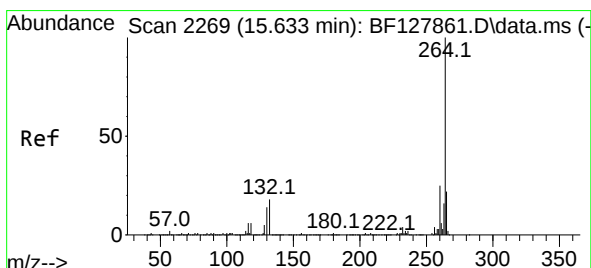
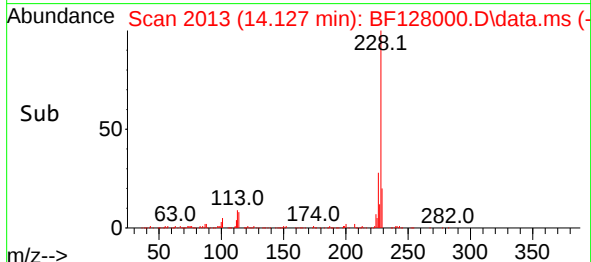
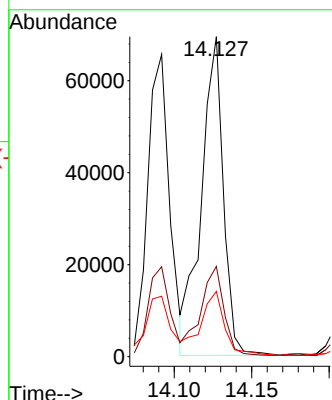
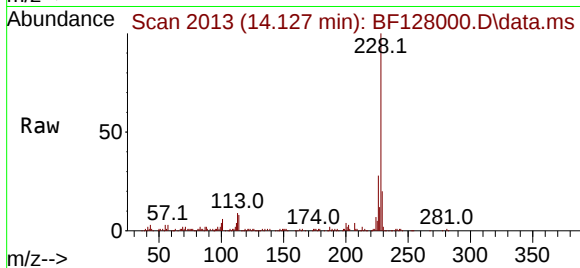
Tgt Ion:228 Resp: 68604

Ion Ratio Lower Upper

228 100

226 28.2 24.4 36.6

229 20.4 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: BF128000.D

Acq: 29 Apr 2022 17:44

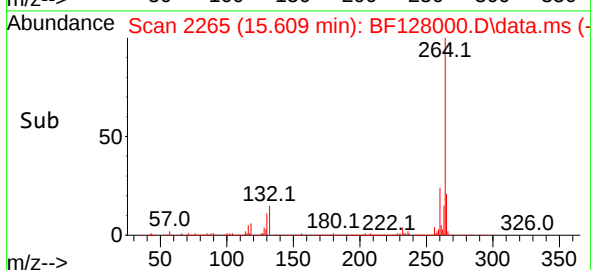
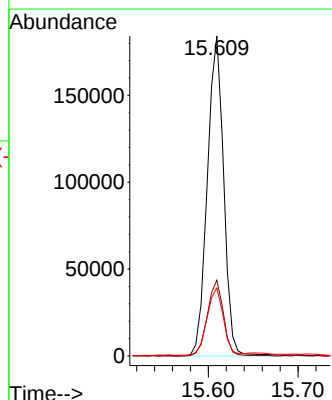
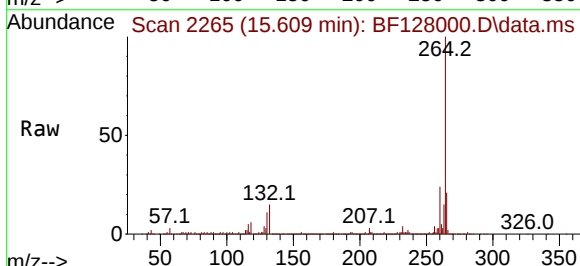
Tgt Ion:264 Resp: 233212

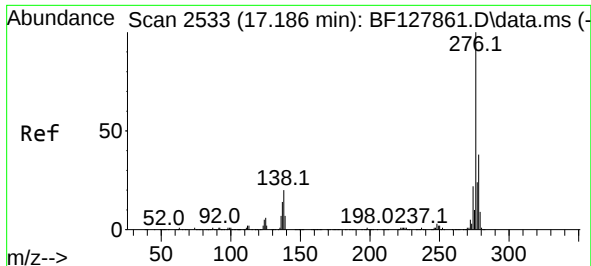
Ion Ratio Lower Upper

264 100

260 23.7 20.1 30.1

265 21.3 17.5 26.3

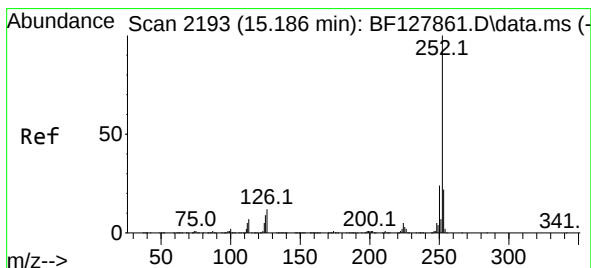
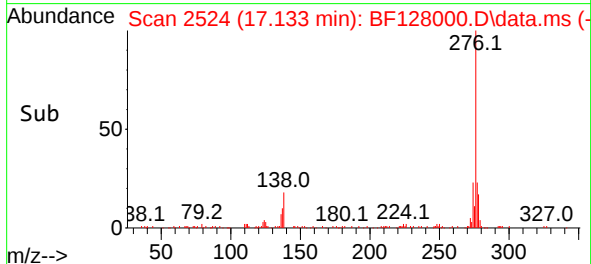
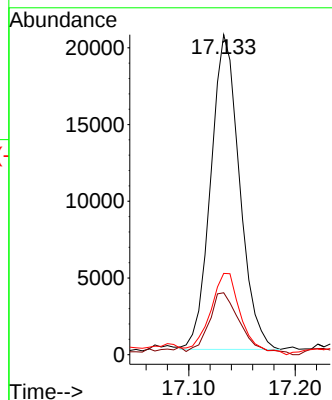
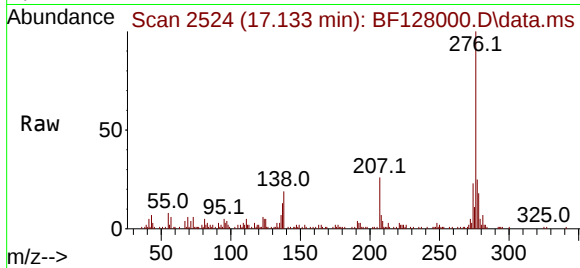




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.473 ng
RT: 17.133 min Scan# 211
Delta R.T. -0.035 min
Lab File: BF128000.D
Acq: 29 Apr 2022 17:44

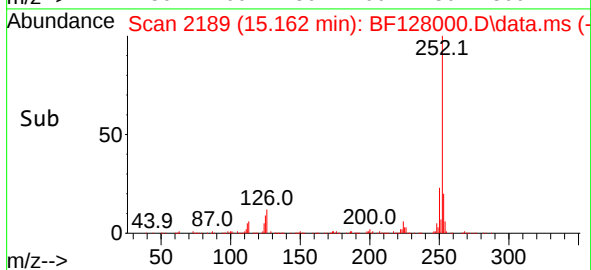
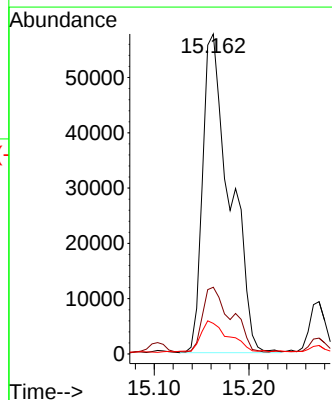
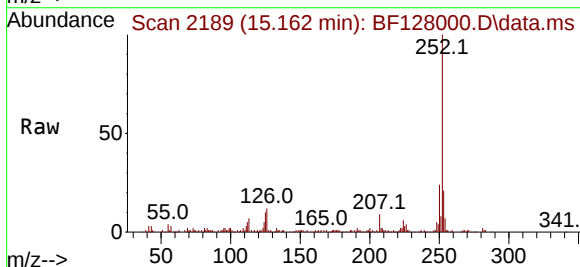
Instrument :
BNA_F
ClientSampleId :
WC-2

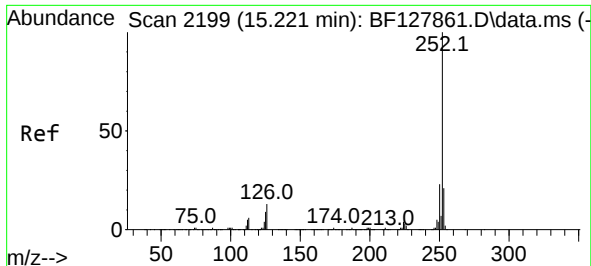
Tgt Ion:276 Resp: 38495
Ion Ratio Lower Upper
276 100
138 21.9 19.0 28.4
277 28.3 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 7.895 ng
RT: 15.162 min Scan# 2189
Delta R.T. -0.012 min
Lab File: BF128000.D
Acq: 29 Apr 2022 17:44

Tgt Ion:252 Resp: 115649
Ion Ratio Lower Upper
252 100
253 20.8 17.4 26.2
125 9.5 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 7.837 ng

RT: 15.162 min Scan# 2199

Delta R.T. -0.047 min

Lab File: BF128000.D

Acq: 29 Apr 2022 17:44

Instrument :

BNA_F

ClientSampleId :

WC-2

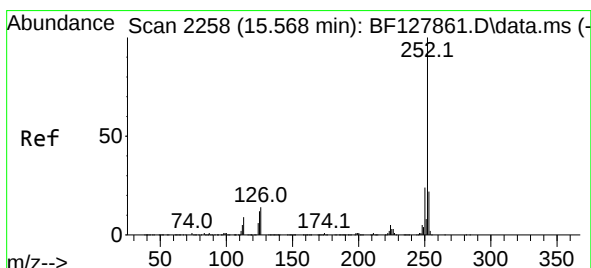
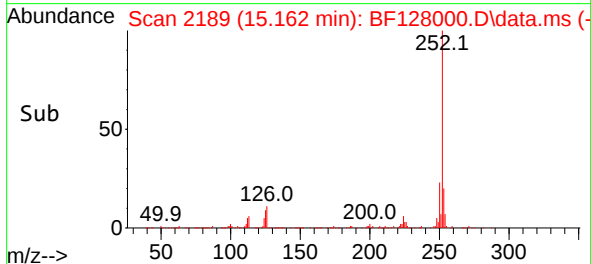
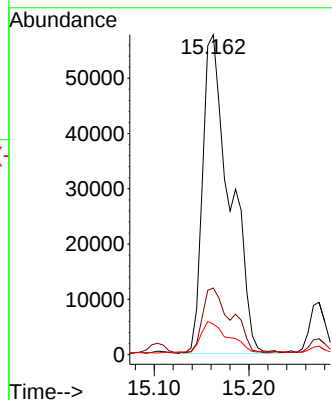
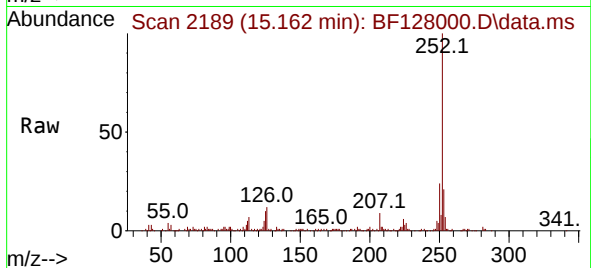
Tgt Ion:252 Resp: 115649

Ion Ratio Lower Upper

252 100

253 20.8 17.0 25.4

125 9.5 6.8 10.2



#90

Benzo(a)pyrene

Concen: 4.938 ng

RT: 15.539 min Scan# 2253

Delta R.T. -0.018 min

Lab File: BF128000.D

Acq: 29 Apr 2022 17:44

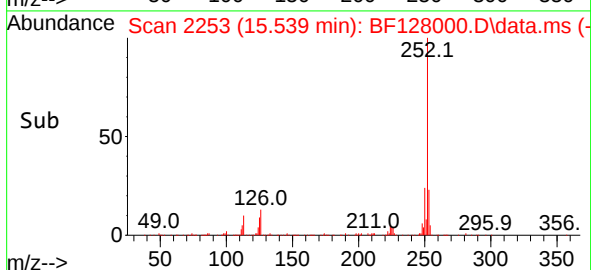
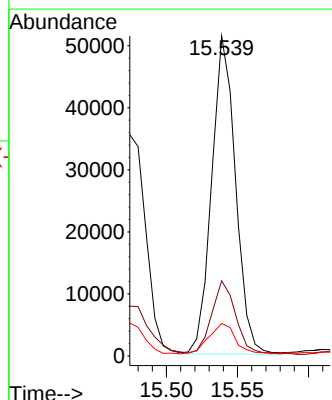
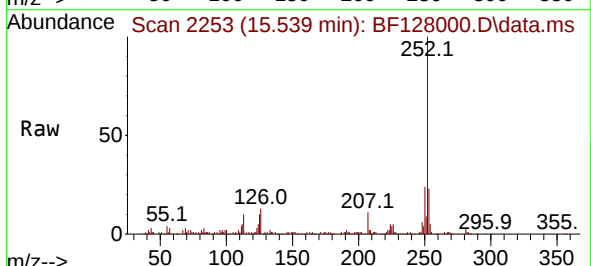
Tgt Ion:252 Resp: 59992

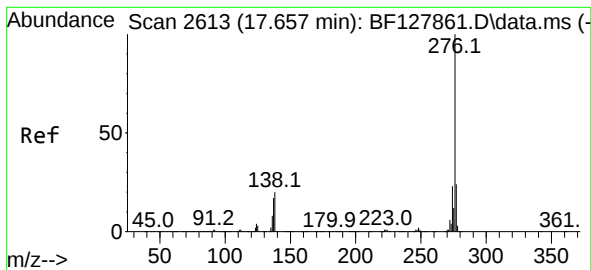
Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

125 10.2 9.2 13.8





#92

Benzo(g,h,i)perylene

Concen: 2.936 ng

RT: 17.598 min Scan# 20

Delta R.T. -0.041 min

Lab File: BF128000.D

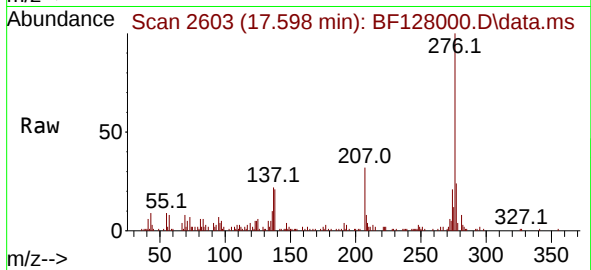
Acq: 29 Apr 2022 17:44

Instrument :

BNA_F

ClientSampleId :

WC-2



Tgt Ion:276 Resp: 38624

Ion Ratio Lower Upper

276 100

277 23.6 18.8 28.2

138 21.0 16.2 24.2

