

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050422\
 Data File : BF128083.D
 Acq On : 04 May 2022 20:45
 Operator : CG\JU
 Sample : N2669-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-050322

Quant Time: May 05 06:07:48 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 04:23:29 2022
 Response via : Initial Calibration

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

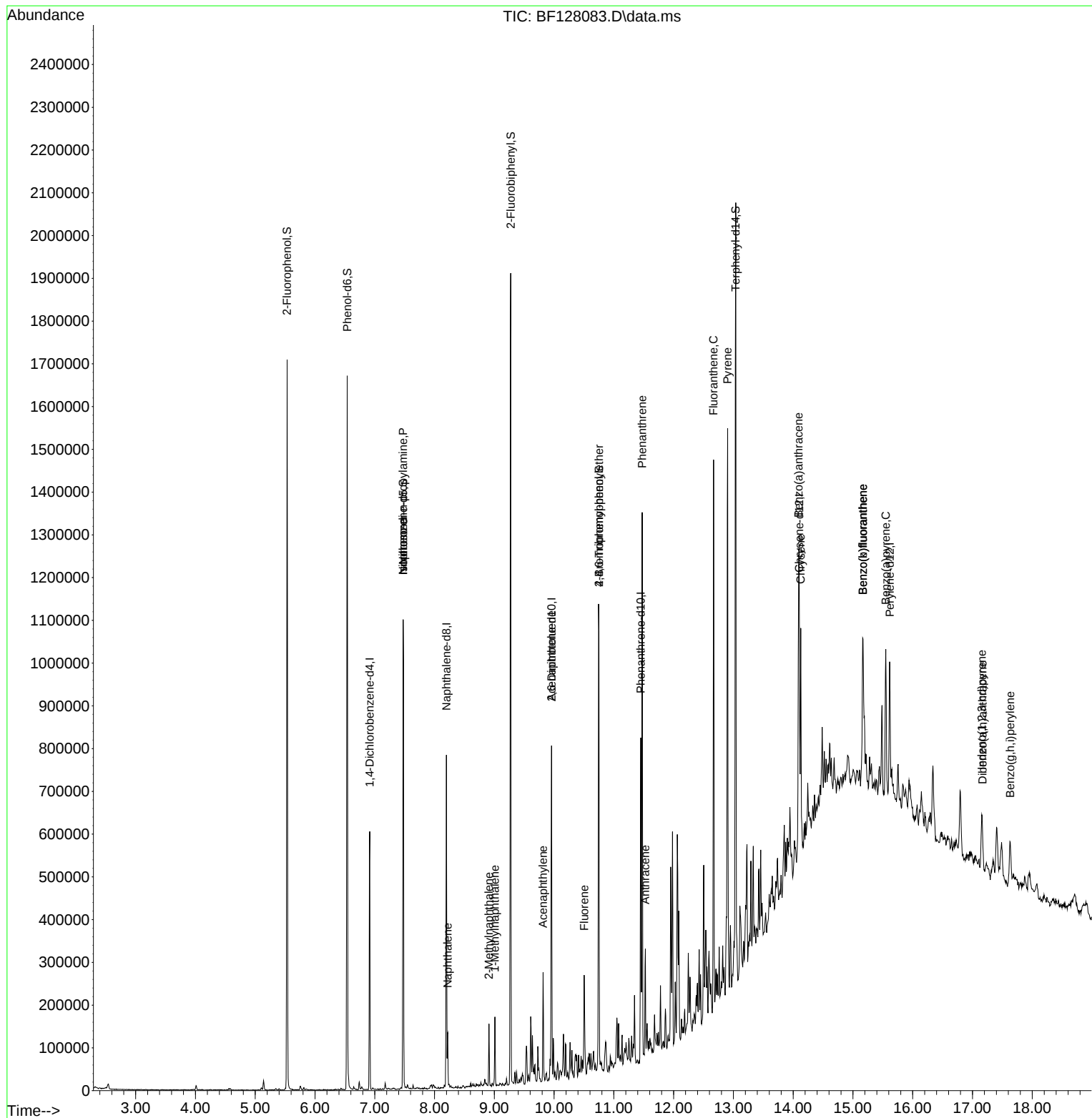
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	83538	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	291754	20.000	ng	0.00
39) Acenaphthene-d10	9.957	164	146610	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	261571	20.000	ng	0.00
76) Chrysene-d12	14.104	240	163528	20.000	ng	0.00
86) Perylene-d12	15.615	264	114561	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	408306	77.850	ng	0.00
7) Phenol-d6	6.540	99	518584	76.201	ng	-0.01
23) Nitrobenzene-d5	7.475	82	358087	57.715	ng	-0.01
42) 2,4,6-Tribromophenol	10.751	330	126048	85.405	ng	0.00
45) 2-Fluorobiphenyl	9.275	172	558213	64.413	ng	0.00
79) Terphenyl-d14	13.039	244	598759	66.953	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.475	70	49038	11.771	ng	# 80
25) Isophorone	7.475	82	358082	34.291	ng	# 68
31) Naphthalene	8.222	128	47915	3.225	ng	96
37) 2-Methylnaphthalene	8.910	142	34227	3.485	ng	97
38) 1-Methylnaphthalene	9.010	142	34986	3.665	ng	96
49) Acenaphthylene	9.816	152	79515	6.288	ng	98
51) 2,6-Dinitrotoluene	9.957	165	21972	10.321	ng	# 22
58) Fluorene	10.504	166	59994	6.554	ng	97
67) 4-Bromophenyl-phenylether	10.751	248	7973	2.750	ng	# 1
71) Phenanthrene	11.475	178	417399	30.485	ng	99
72) Anthracene	11.527	178	95996	7.038	ng	99
75) Fluoranthene	12.669	202	468474	32.509	ng	98
78) Pyrene	12.904	202	524864	39.760	ng	99
81) Benzo(a)anthracene	14.092	228	202823	18.608	ng	# 88
83) Chrysene	14.127	228	208410	20.021	ng	96
87) Indeno(1,2,3-cd)pyrene	17.157	276	88711	11.601	ng	# 95
88) Benzo(b)fluoranthene	15.168	252	256759	35.684	ng	# 93
89) Benzo(k)fluoranthene	15.168	252	256759	35.419	ng	# 92
90) Benzo(a)pyrene	15.551	252	141394	23.690	ng	97
91) Dibenzo(a,h)anthracene	17.168	278	24276	3.958	ng	# 71
92) Benzo(g,h,i)perylene	17.633	276	94918	14.687	ng	98

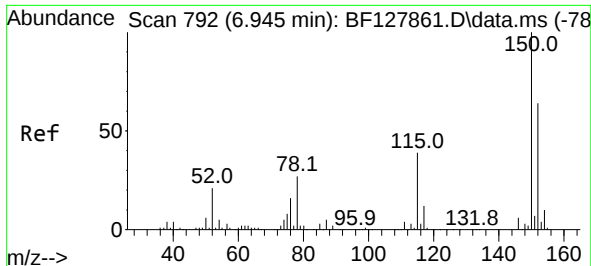
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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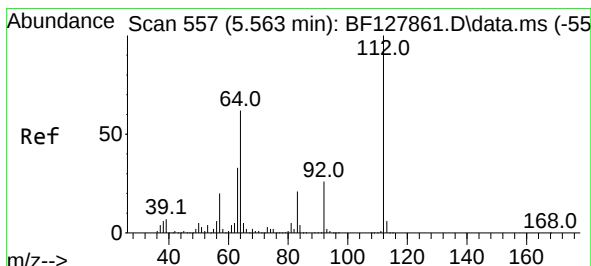
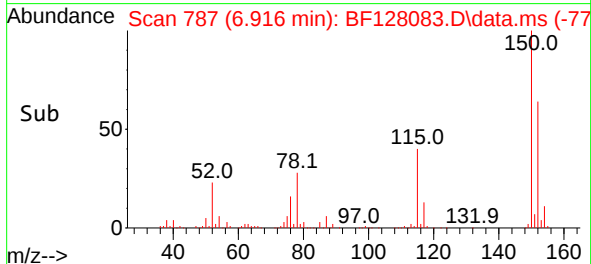
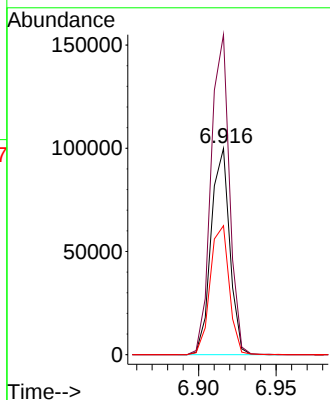
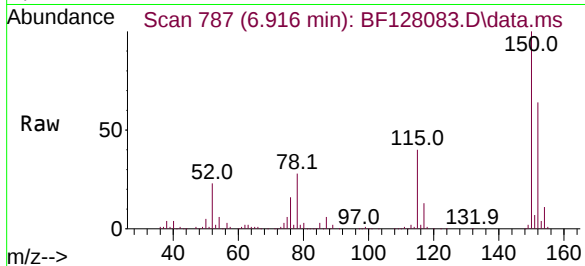




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

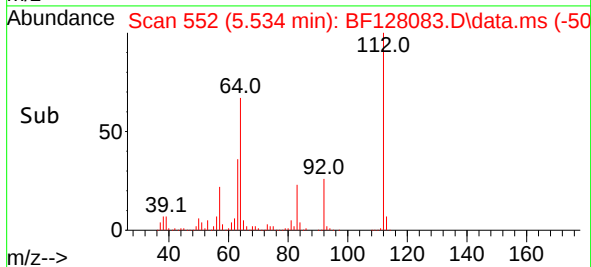
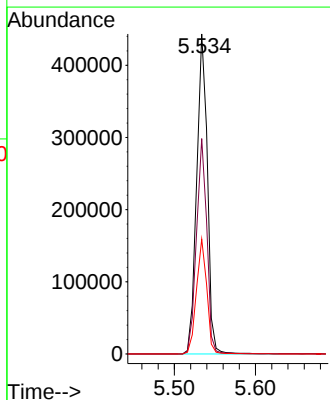
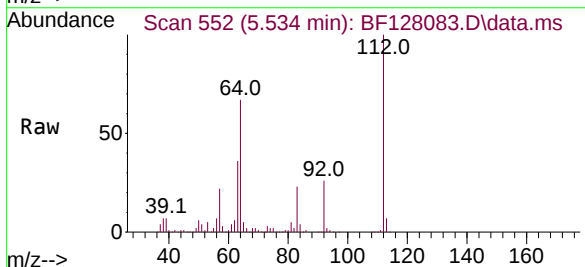
Instrument :
BNA_F
ClientSampleId :
OR-03-050322

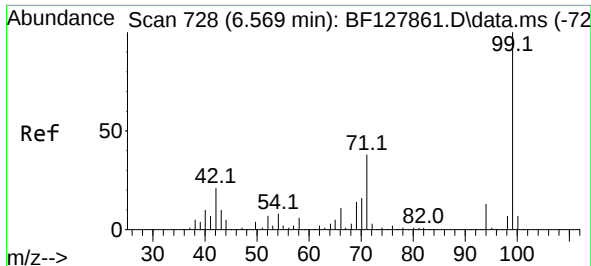
Tgt Ion:152 Resp: 83538
Ion Ratio Lower Upper
152 100
150 155.1 125.3 187.9
115 62.5 48.8 73.2



#5
2-Fluorophenol
Concen: 77.850 ng
RT: 5.534 min Scan# 552
Delta R.T. -0.006 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

Tgt Ion:112 Resp: 408306
Ion Ratio Lower Upper
112 100
64 67.3 49.5 74.3
63 35.9 26.3 39.5

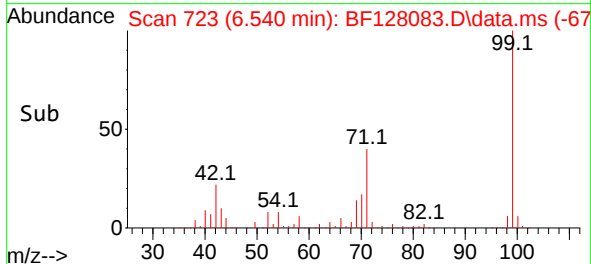
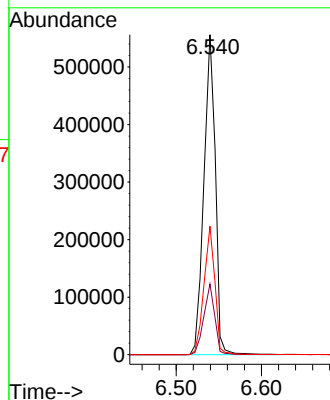
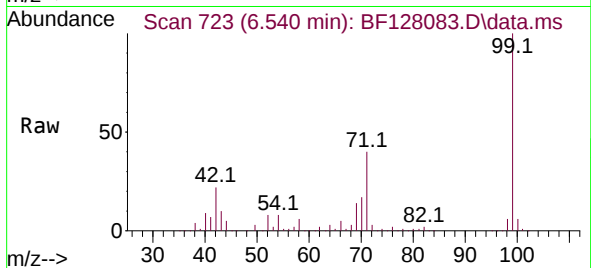




#7
Phenol-d6
Concen: 76.201 ng
RT: 6.540 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

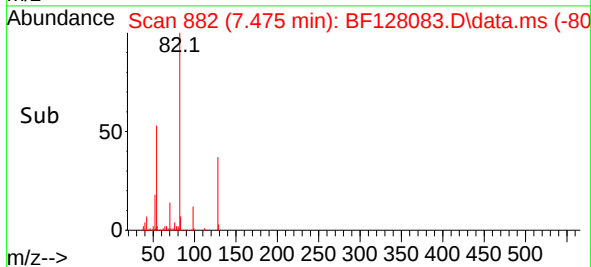
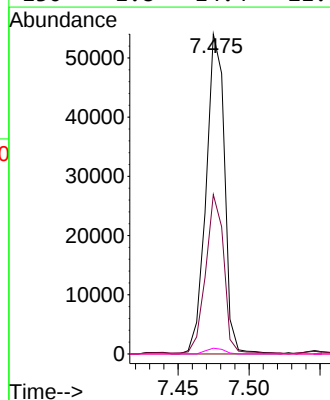
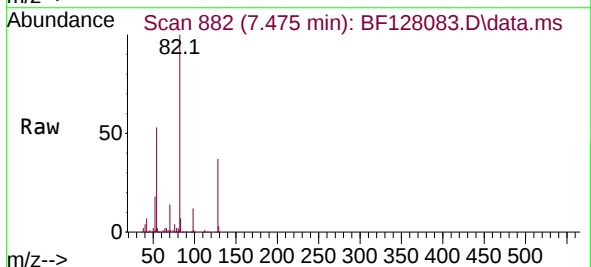
Instrument :
BNA_F
ClientSampleId :
OR-03-050322

Tgt Ion: 99 Resp: 518584
Ion Ratio Lower Upper
99 100
42 22.1 16.6 24.8
71 40.1 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 11.771 ng
RT: 7.475 min Scan# 882
Delta R.T. 0.141 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

Tgt Ion: 70 Resp: 49038
Ion Ratio Lower Upper
70 100
42 49.8 48.7 73.1
101 0.0 7.2 10.8#
130 1.8 14.4 21.6#

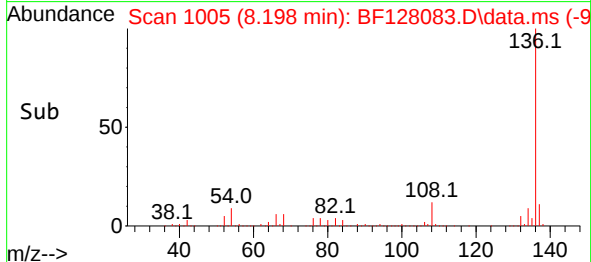
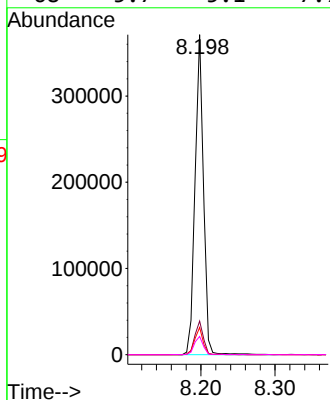
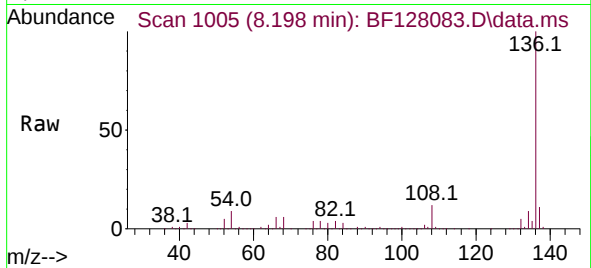




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

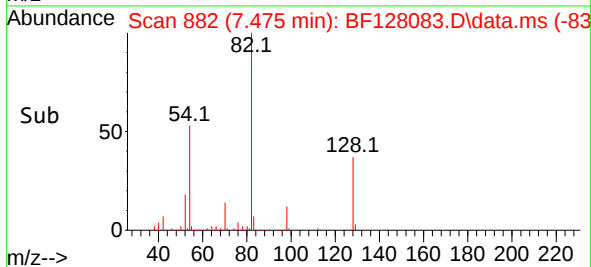
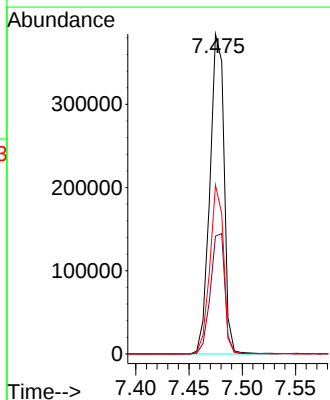
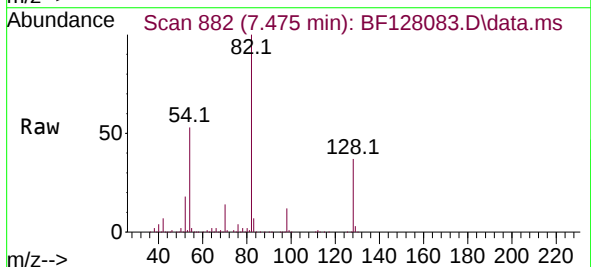
Instrument :
BNA_F
ClientSampleId :
OR-03-050322

Tgt Ion:136	Resp: 291754
Ion Ratio	Lower Upper
136 100	
137 10.5	8.6 13.0
54 8.5	6.8 10.2
68 5.7	5.1 7.7



#23
Nitrobenzene-d5
Concen: 57.715 ng
RT: 7.475 min Scan# 882
Delta R.T. -0.012 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

Tgt Ion: 82	Resp: 358087
Ion Ratio	Lower Upper
82 100	
128 36.8	30.0 45.0
54 52.8	41.3 61.9

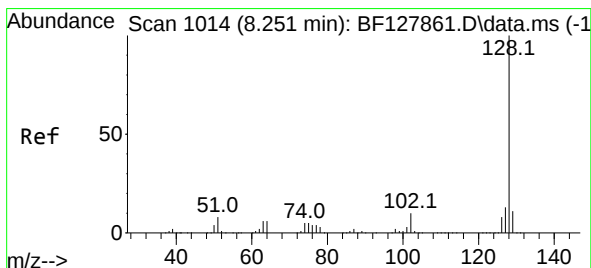
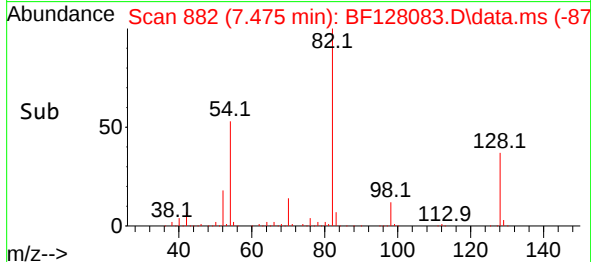
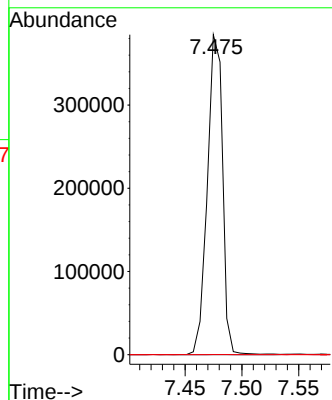
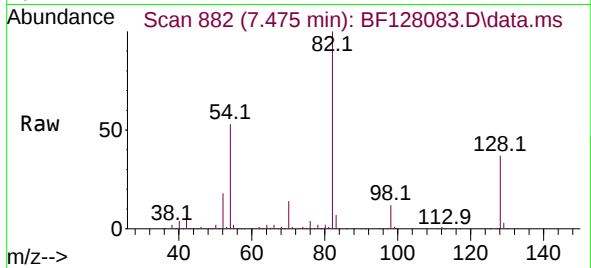




#25
Isophorone
Concen: 34.291 ng
RT: 7.475 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

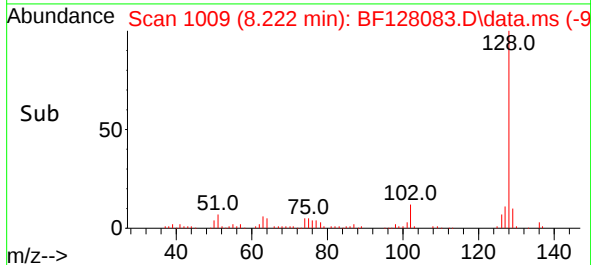
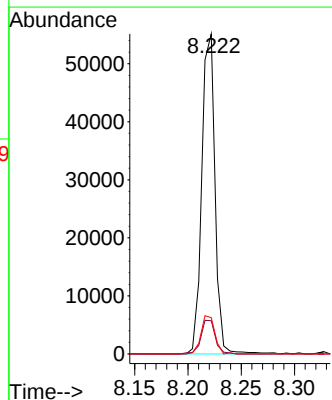
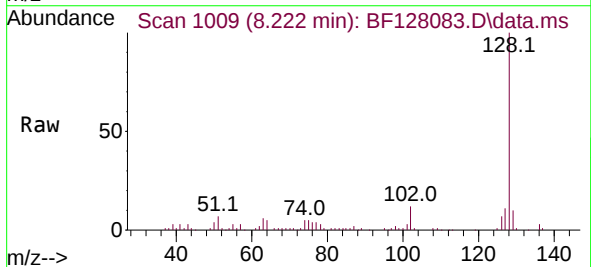
Instrument :
BNA_F
ClientSampleId :
OR-03-050322

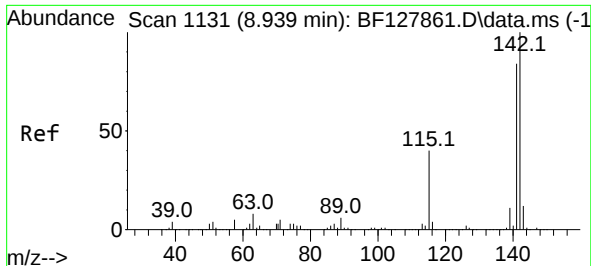
Tgt Ion: 82 Resp: 358082
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 12.5 18.7#



#31
Naphthalene
Concen: 3.225 ng
RT: 8.222 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

Tgt Ion: 128 Resp: 47915
Ion Ratio Lower Upper
128 100
129 10.4 9.0 13.4
127 11.3 10.6 16.0

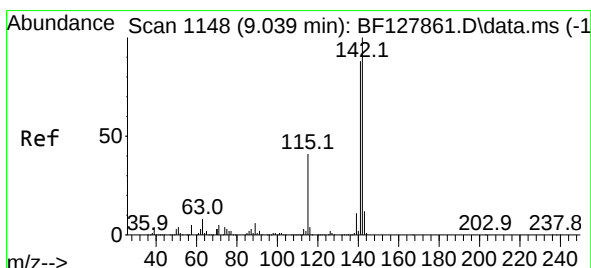
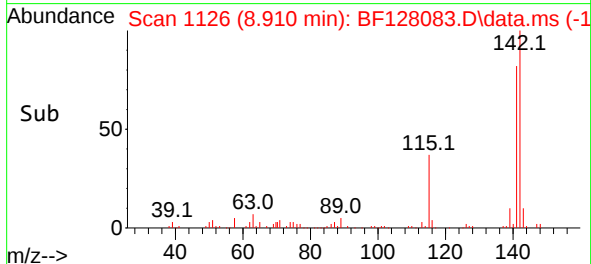
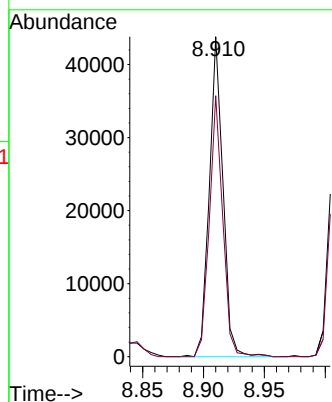
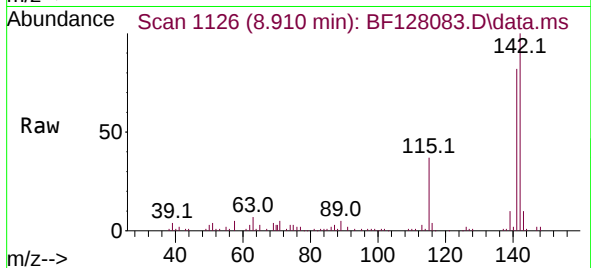




#37
2-Methylnaphthalene
Concen: 3.485 ng
RT: 8.910 min Scan# 1131
Delta R.T. -0.006 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

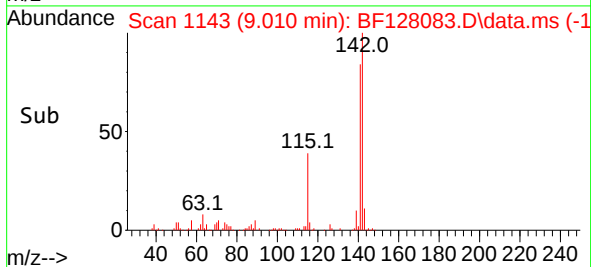
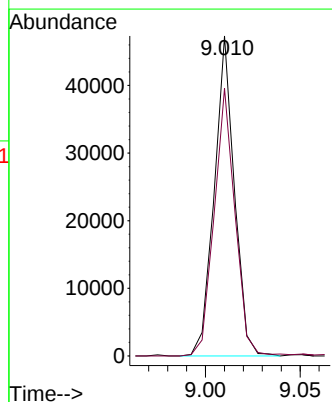
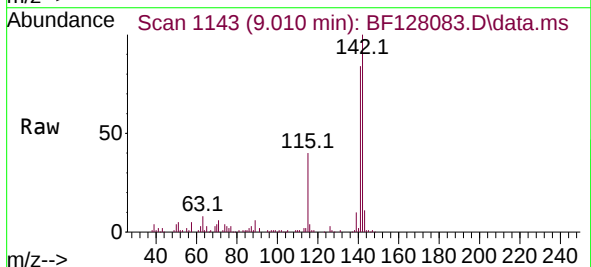
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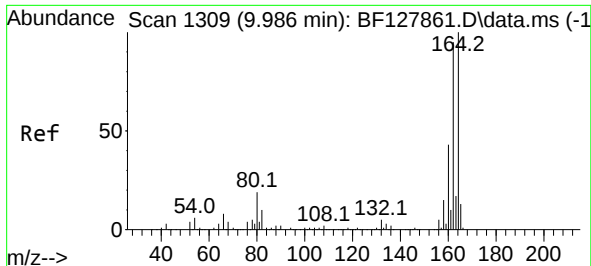
Tgt Ion:142 Resp: 34227
Ion Ratio Lower Upper
142 100
141 81.5 67.4 101.2



#38
1-Methylnaphthalene
Concen: 3.665 ng
RT: 9.010 min Scan# 1143
Delta R.T. -0.006 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

Tgt Ion:142 Resp: 34986
Ion Ratio Lower Upper
142 100
141 83.7 70.1 105.1

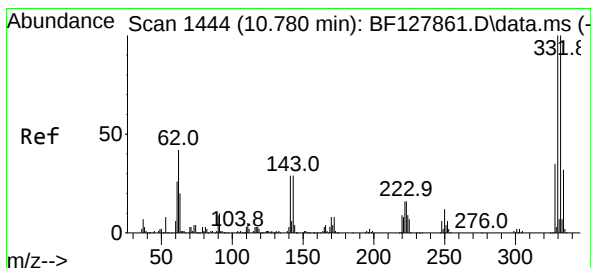
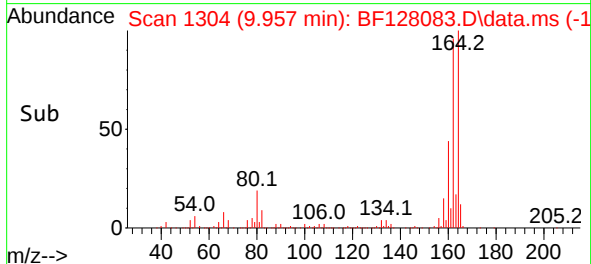
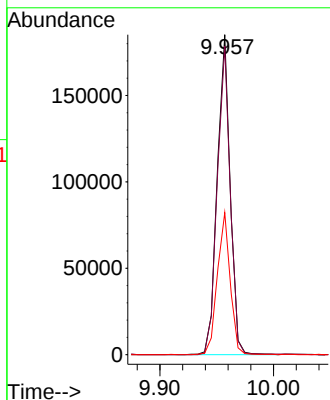
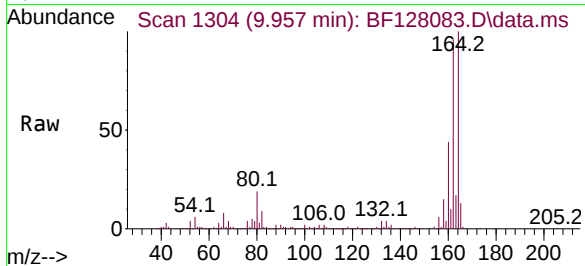




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

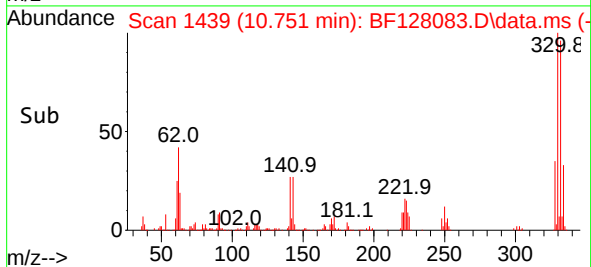
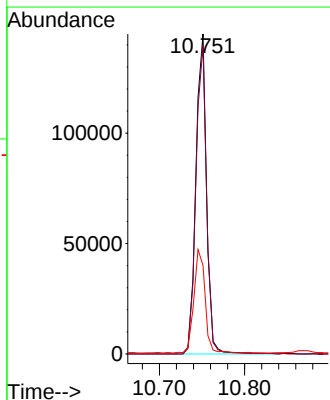
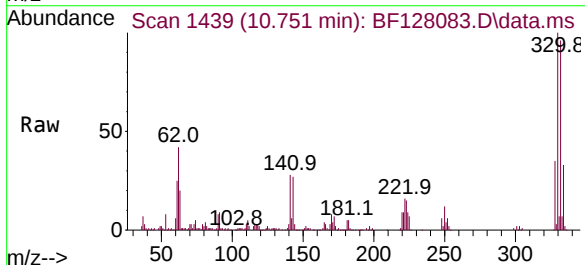
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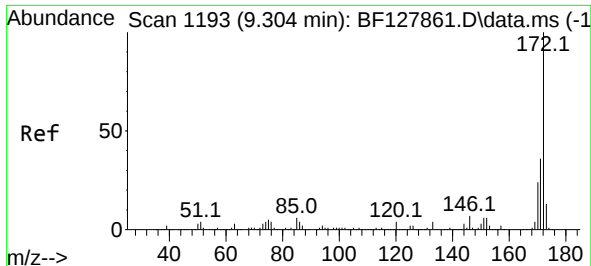
Tgt Ion:164 Resp: 146610
Ion Ratio Lower Upper
164 100
162 96.5 76.0 114.0
160 44.4 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 85.405 ng
RT: 10.751 min Scan# 1439
Delta R.T. -0.006 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

Tgt Ion:330 Resp: 126048
Ion Ratio Lower Upper
330 100
332 96.6 79.0 118.4
141 33.7 28.9 43.3





#45

2-Fluorobiphenyl

Concen: 64.413 ng

RT: 9.275 min Scan# 1188

Delta R.T. -0.006 min

Lab File: BF128083.D

Acq: 04 May 2022 20:45

Instrument :

BNA_F

ClientSampleId :

OR-03-050322

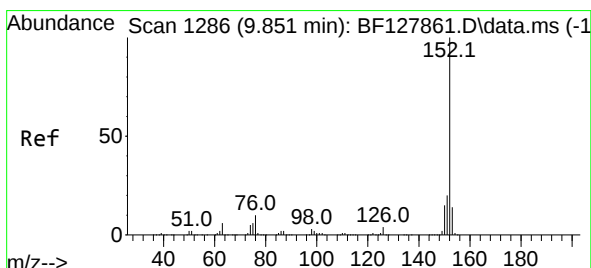
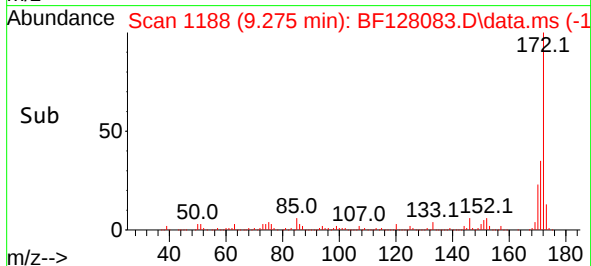
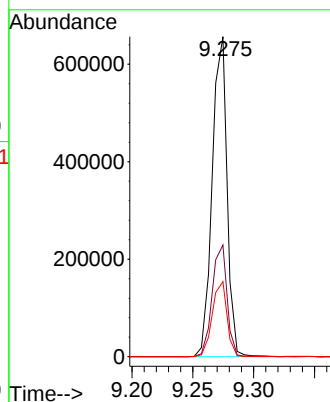
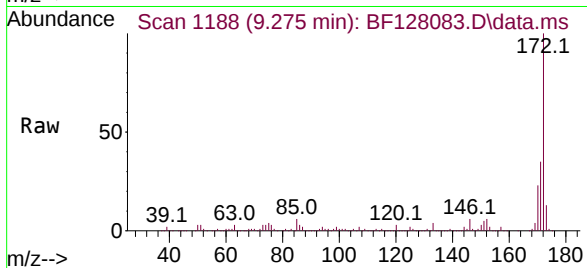
Tgt Ion:172 Resp: 558213

Ion Ratio Lower Upper

172 100

171 34.9 28.6 42.8

170 23.4 19.1 28.7



#49

Acenaphthylene

Concen: 6.288 ng

RT: 9.816 min Scan# 1280

Delta R.T. -0.012 min

Lab File: BF128083.D

Acq: 04 May 2022 20:45

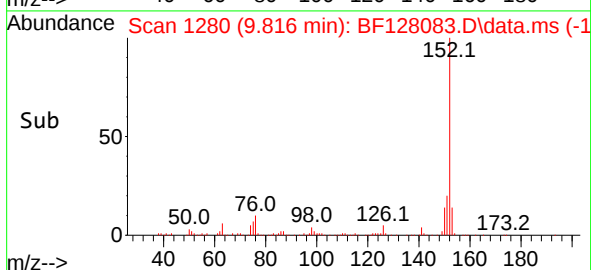
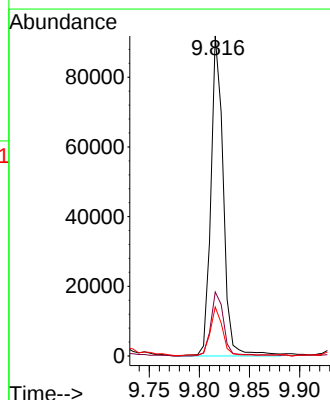
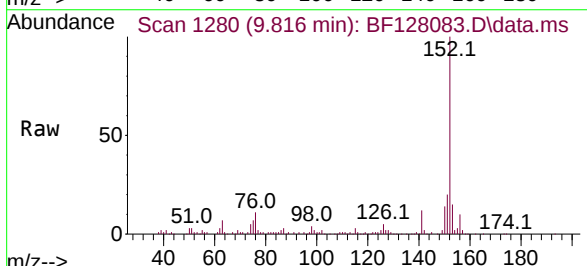
Tgt Ion:152 Resp: 79515

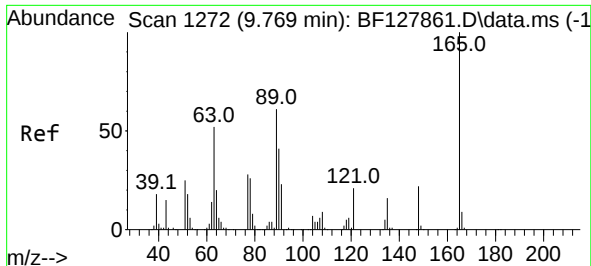
Ion Ratio Lower Upper

152 100

151 20.0 16.2 24.2

153 15.3 11.2 16.8

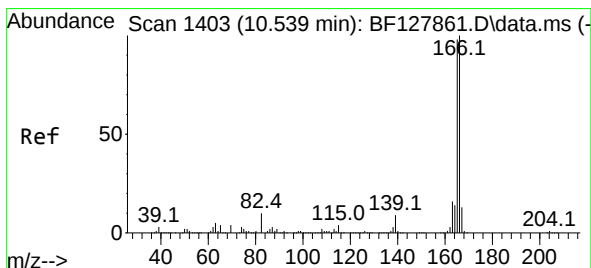
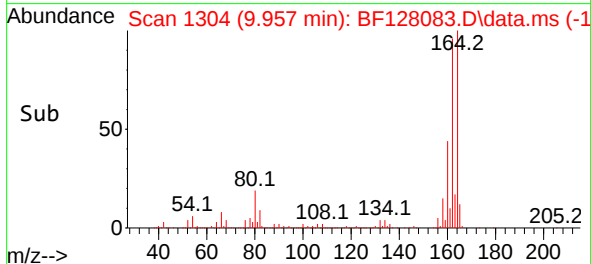
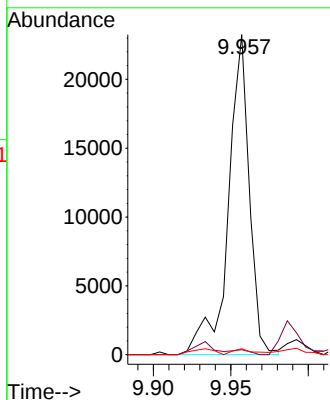
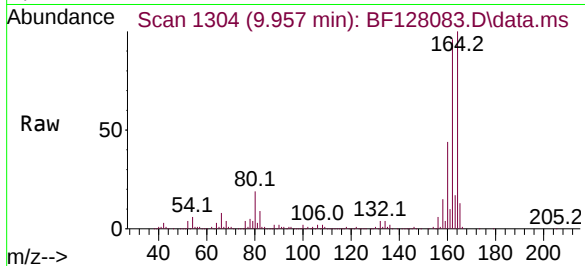




#51
2,6-Dinitrotoluene
Concen: 10.321 ng
RT: 9.957 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

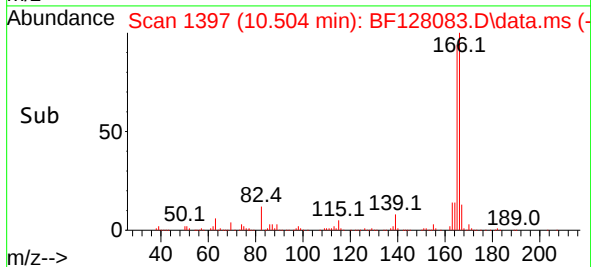
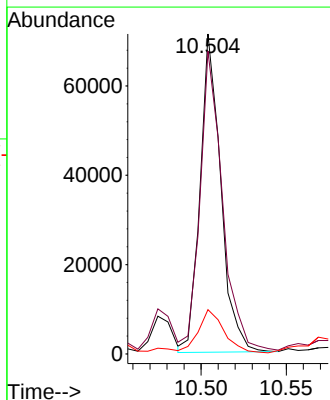
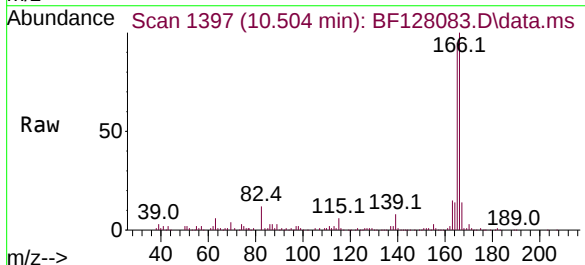
Instrument :
BNA_F
ClientSampleId :
OR-03-050322

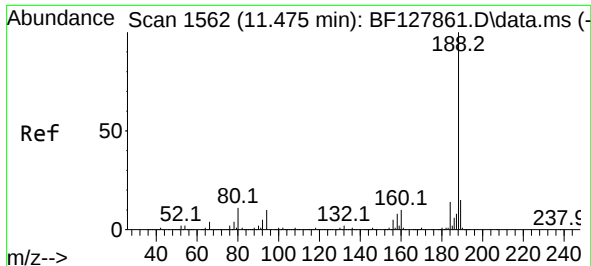
Tgt Ion:165 Resp: 21972
Ion Ratio Lower Upper
165 100
63 1.5 49.5 74.3#
89 1.8 49.0 73.4#



#58
Fluorene
Concen: 6.554 ng
RT: 10.504 min Scan# 1397
Delta R.T. -0.012 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

Tgt Ion:166 Resp: 59994
Ion Ratio Lower Upper
166 100
165 94.6 78.6 117.8
167 13.9 10.5 15.7

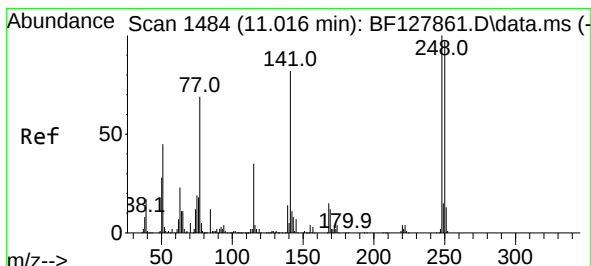
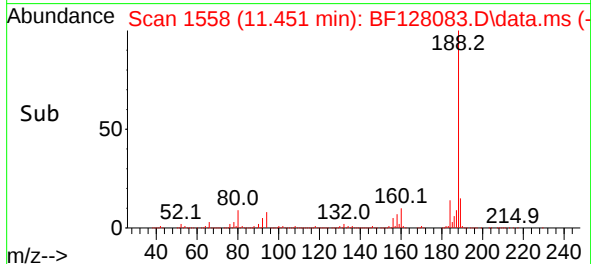
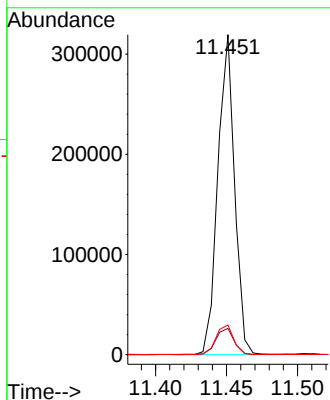
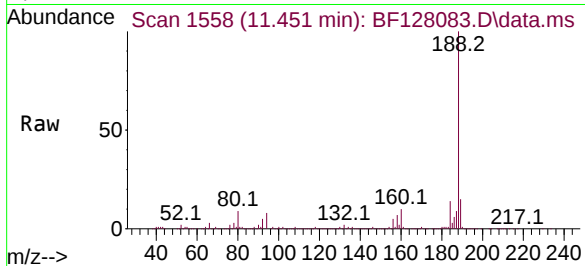




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

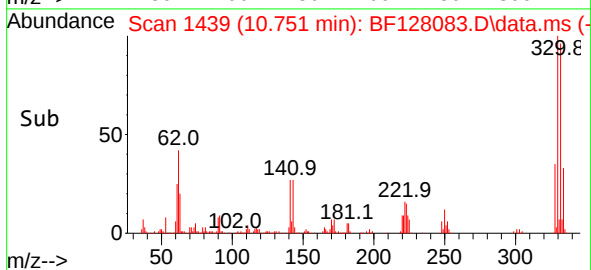
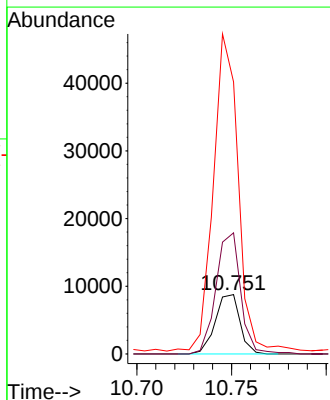
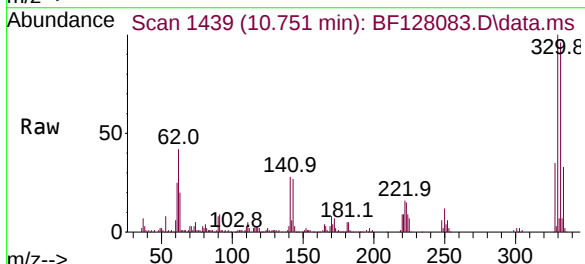
Instrument :
BNA_F
ClientSampleId :
OR-03-050322

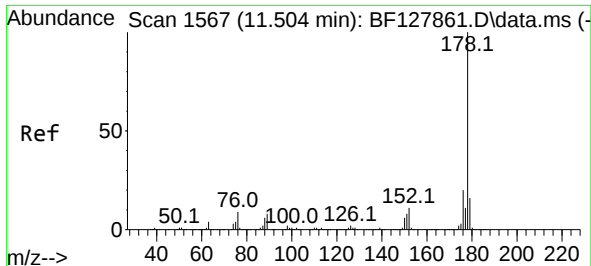
Tgt Ion:188 Resp: 261571
Ion Ratio Lower Upper
188 100
94 8.2 8.0 12.0
80 9.3 8.9 13.3



#67
4-Bromophenyl-phenylether
Concen: 2.750 ng
RT: 10.751 min Scan# 1439
Delta R.T. -0.247 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

Tgt Ion:248 Resp: 7973
Ion Ratio Lower Upper
248 100
250 203.9 77.7 116.5#
141 457.9 65.6 98.4#

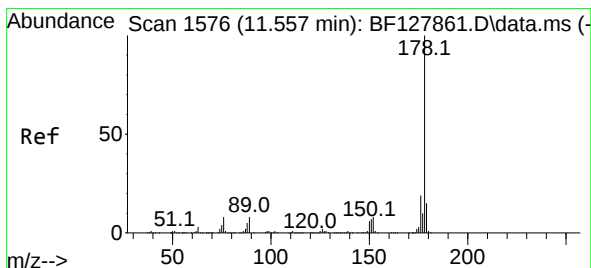
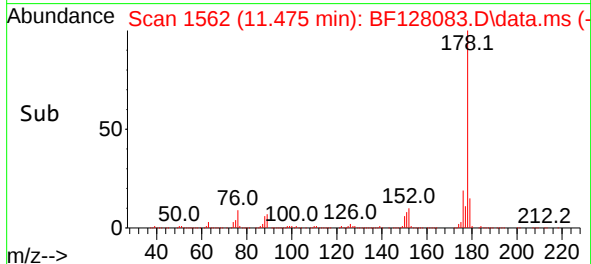
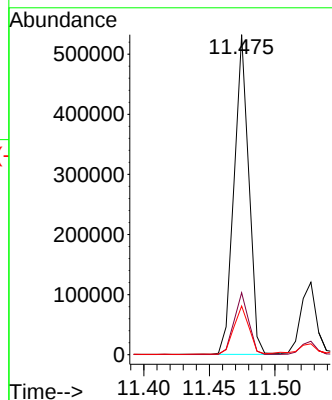
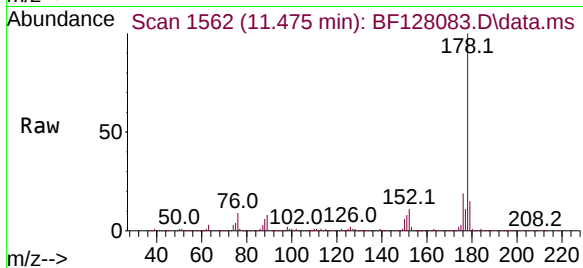




#71
Phenanthrene
Concen: 30.485 ng
RT: 11.475 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

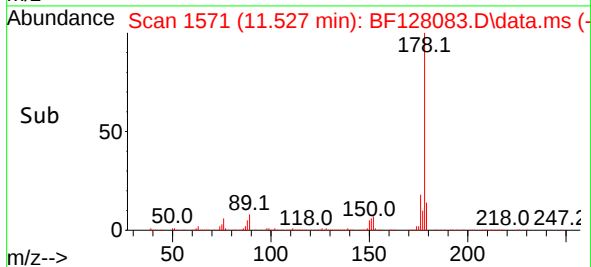
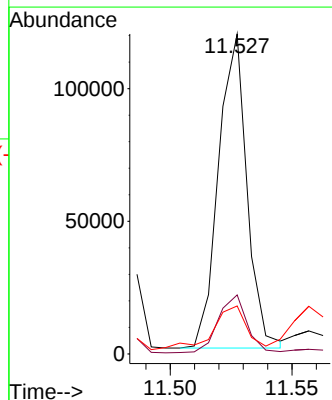
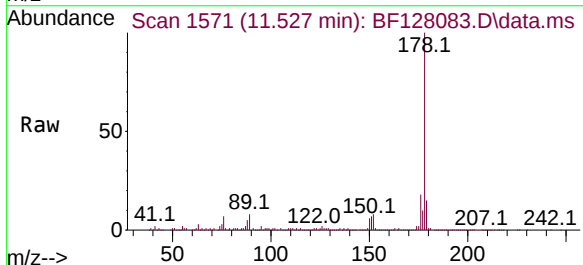
Instrument :
BNA_F
ClientSampleId :
OR-03-050322

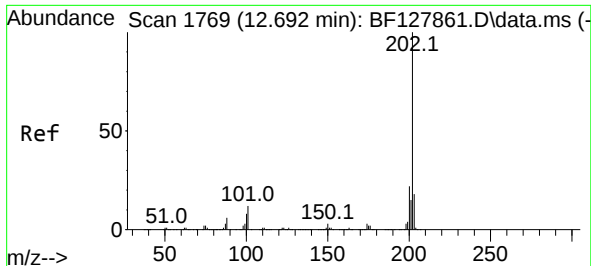
Tgt Ion:178 Resp: 417399
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 15.2 12.6 19.0



#72
Anthracene
Concen: 7.038 ng
RT: 11.527 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

Tgt Ion:178 Resp: 95996
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.6
179 15.0 12.4 18.6

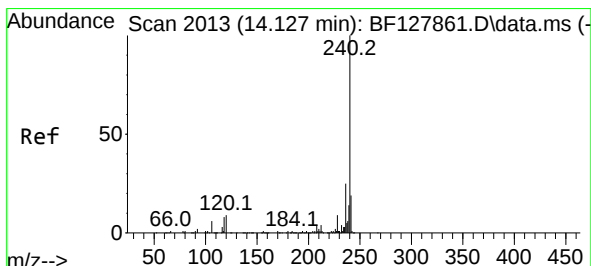
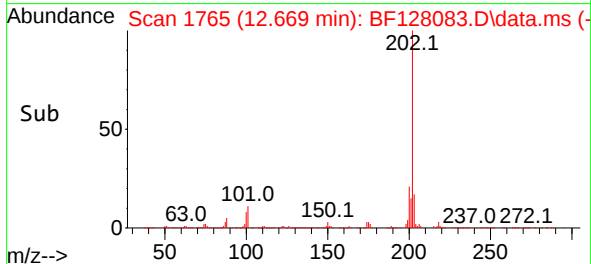
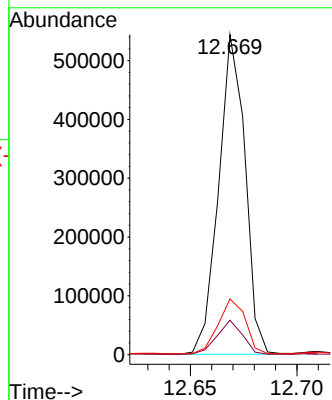
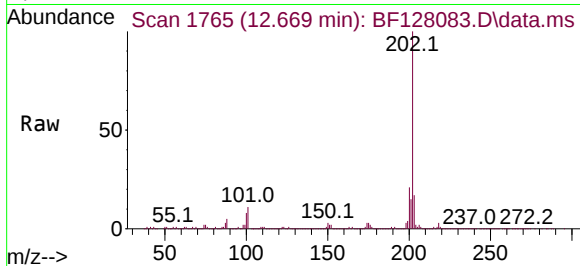




#75
Fluoranthene
Concen: 32.509 ng
RT: 12.669 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

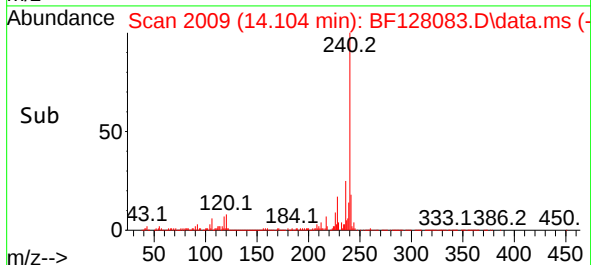
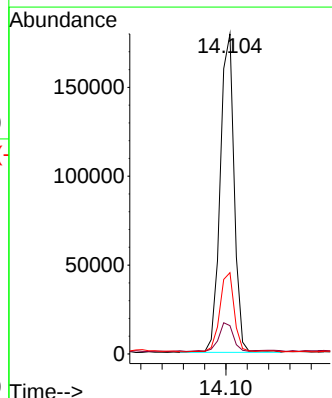
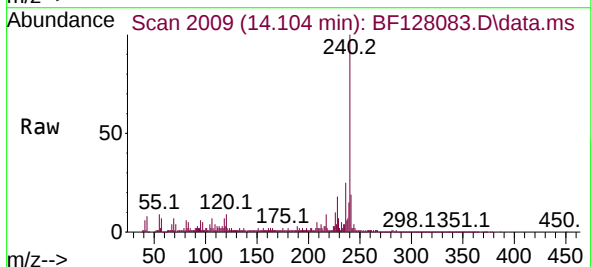
Instrument :
BNA_F
ClientSampleId :
OR-03-050322

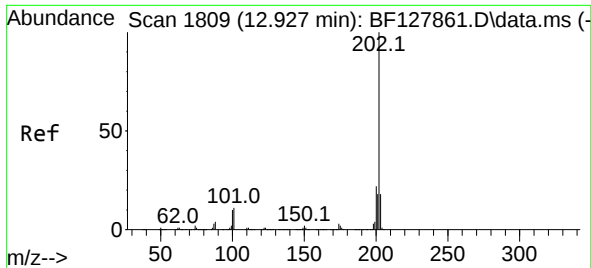
Tgt Ion:202 Resp: 468474
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.6
203 17.4 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.104 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

Tgt Ion:240 Resp: 163528
Ion Ratio Lower Upper
240 100
120 8.9 7.0 10.6
236 25.4 20.3 30.5

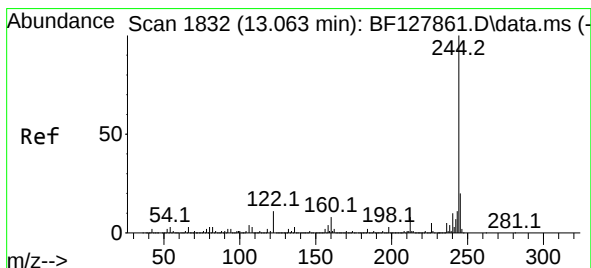
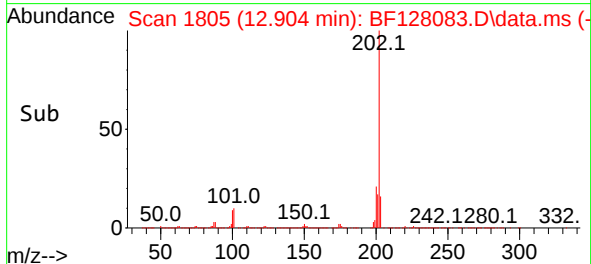
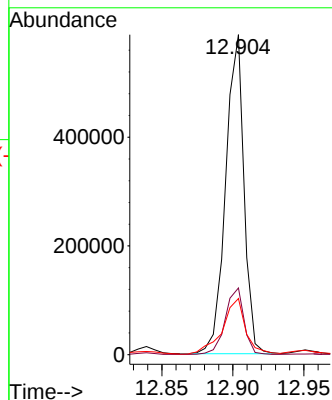
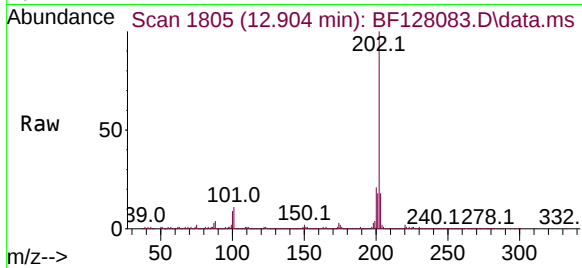




#78
 Pyrene
 Concen: 39.760 ng
 RT: 12.904 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF128083.D
 Acq: 04 May 2022 20:45

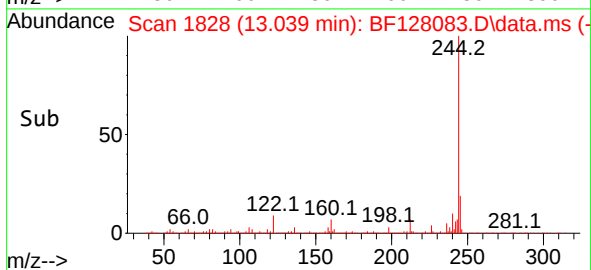
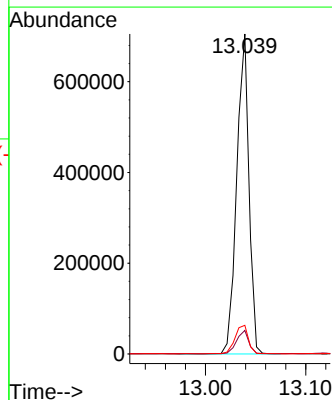
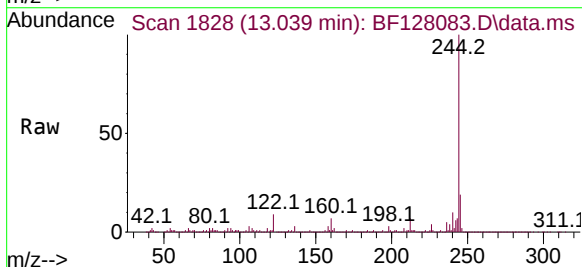
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-050322

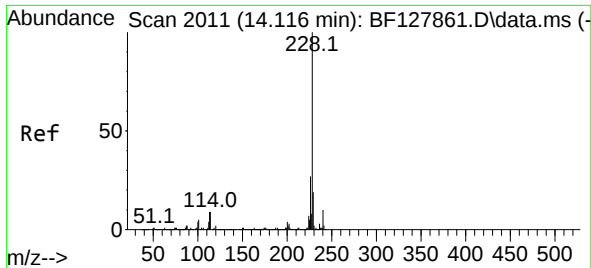
Tgt Ion:202 Resp: 524864
 Ion Ratio Lower Upper
 202 100
 200 20.9 17.4 26.2
 203 17.6 14.0 21.0



#79
 Terphenyl-d14
 Concen: 66.953 ng
 RT: 13.039 min Scan# 1828
 Delta R.T. -0.006 min
 Lab File: BF128083.D
 Acq: 04 May 2022 20:45

Tgt Ion:244 Resp: 598759
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.4
 122 8.9 8.6 12.8

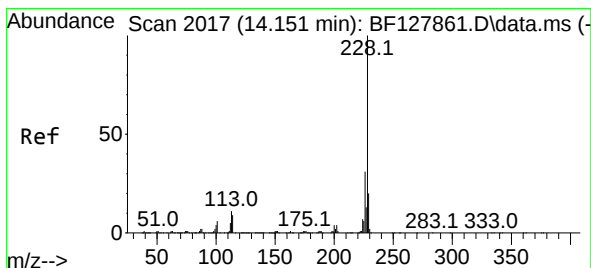
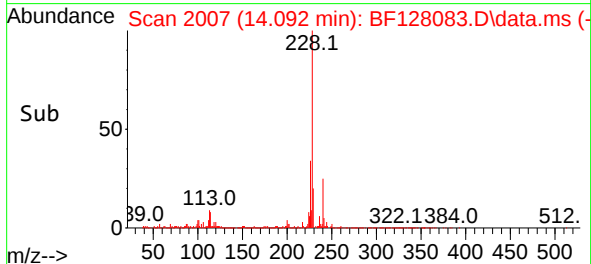
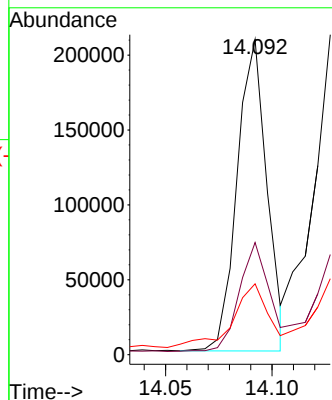
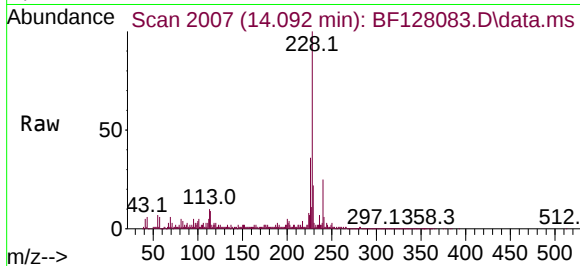




#81
Benzo(a)anthracene
Concen: 18.608 ng
RT: 14.092 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

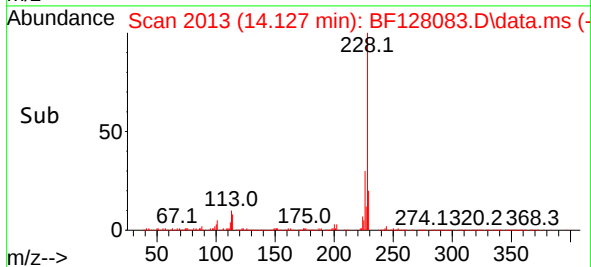
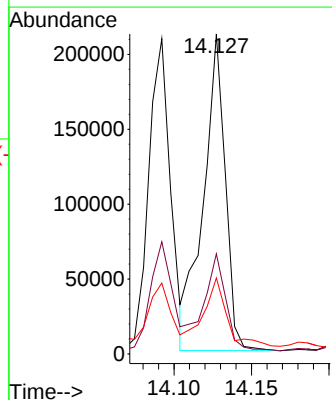
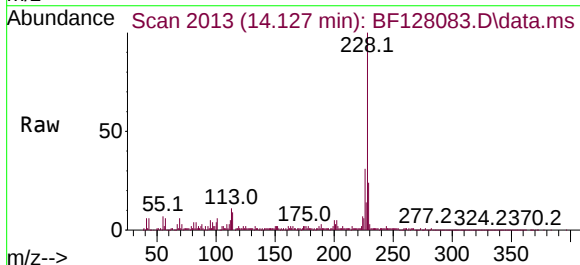
Instrument :
BNA_F
ClientSampleId :
OR-03-050322

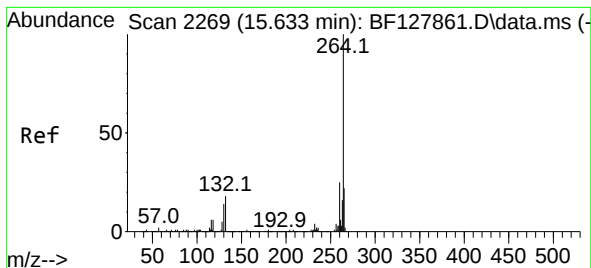
Tgt Ion:228 Resp: 202823
Ion Ratio Lower Upper
228 100
226 35.6 21.7 32.5#
229 22.5 15.4 23.2



#83
Chrysene
Concen: 20.021 ng
RT: 14.127 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

Tgt Ion:228 Resp: 208410
Ion Ratio Lower Upper
228 100
226 31.3 24.4 36.6
229 23.8 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.615 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF128083.D

Acq: 04 May 2022 20:45

Instrument :

BNA_F

ClientSampleId :

OR-03-050322

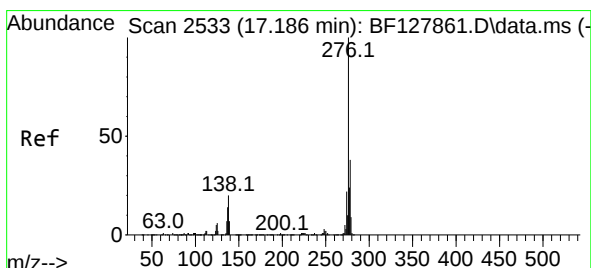
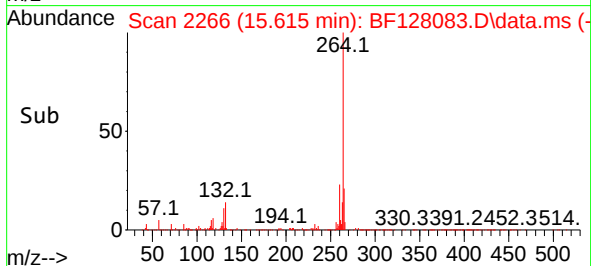
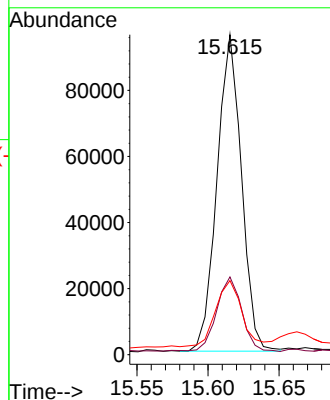
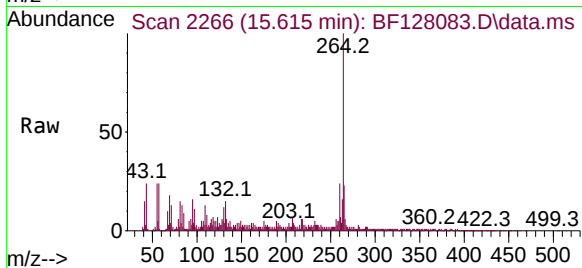
Tgt Ion:264 Resp: 114561

Ion Ratio Lower Upper

264 100

260 24.3 20.1 30.1

265 23.1 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 11.601 ng

RT: 17.157 min Scan# 2528

Delta R.T. -0.006 min

Lab File: BF128083.D

Acq: 04 May 2022 20:45

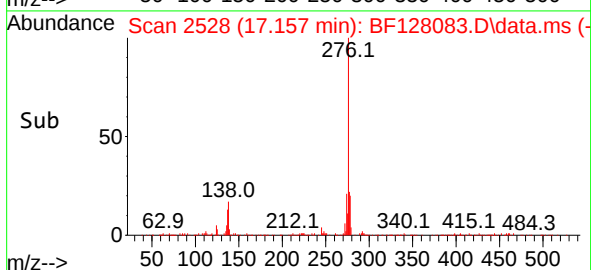
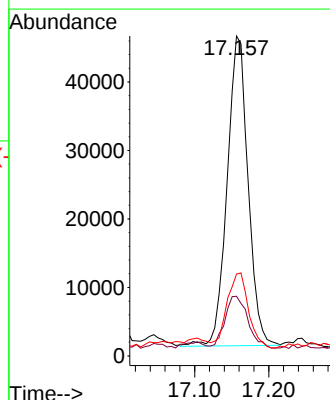
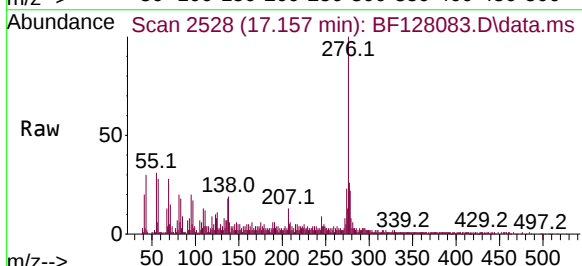
Tgt Ion:276 Resp: 88711

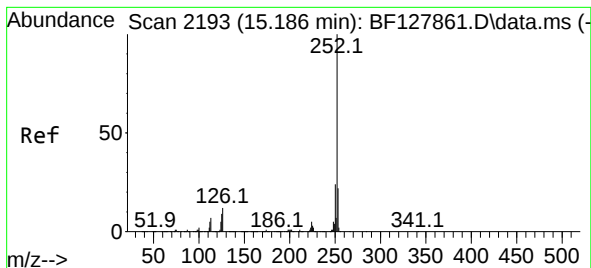
Ion Ratio Lower Upper

276 100

138 18.3 19.0 28.4#

277 25.1 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 35.684 ng

RT: 15.168 min Scan# 2190

Delta R.T. 0.000 min

Lab File: BF128083.D

Acq: 04 May 2022 20:45

Instrument :

BNA_F

ClientSampleId :

OR-03-050322

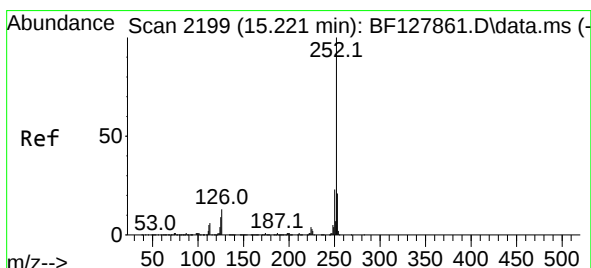
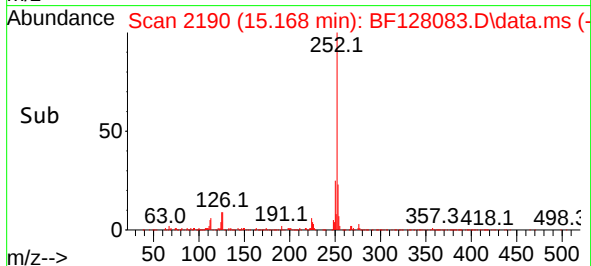
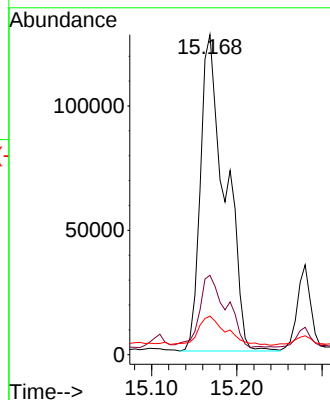
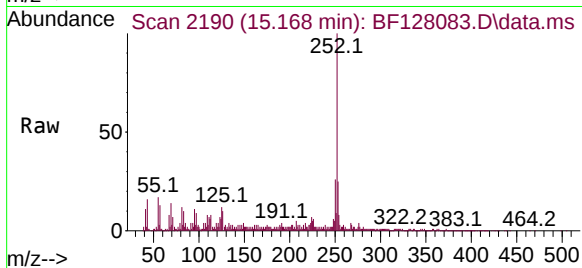
Tgt Ion:252 Resp: 256759

Ion Ratio Lower Upper

252 100

253 24.8 17.4 26.2

125 12.1 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 35.419 ng

RT: 15.168 min Scan# 2190

Delta R.T. -0.029 min

Lab File: BF128083.D

Acq: 04 May 2022 20:45

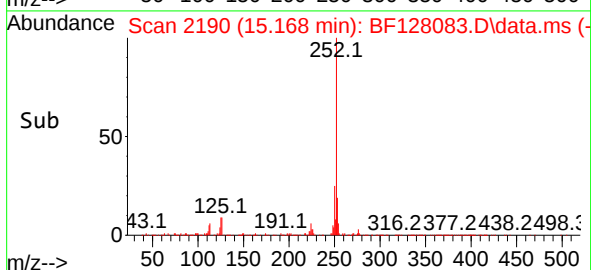
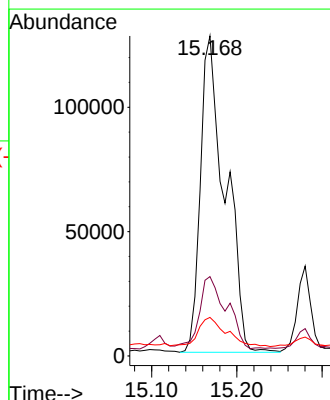
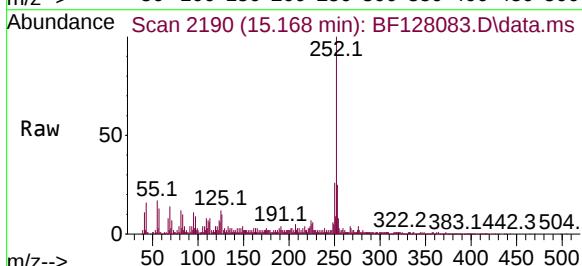
Tgt Ion:252 Resp: 256759

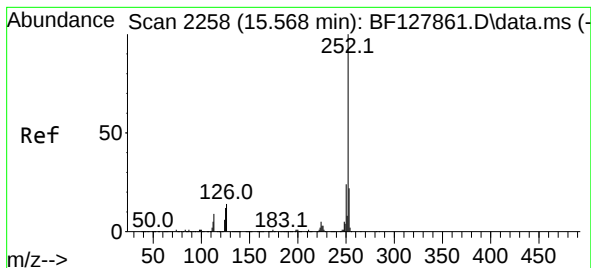
Ion Ratio Lower Upper

252 100

253 24.8 17.0 25.4

125 12.1 6.8 10.2#





#90

Benzo(a)pyrene

Concen: 23.690 ng

RT: 15.551 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF128083.D

Acq: 04 May 2022 20:45

Instrument :

BNA_F

ClientSampleId :

OR-03-050322

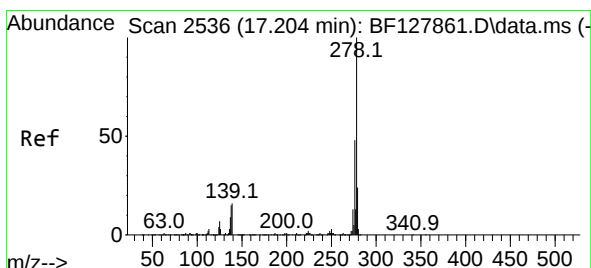
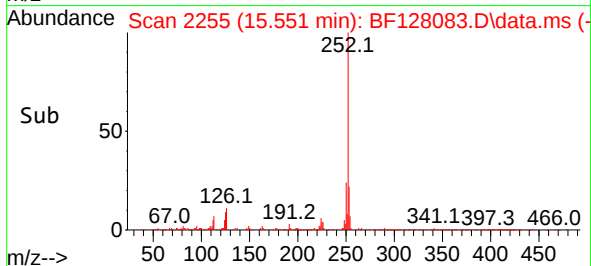
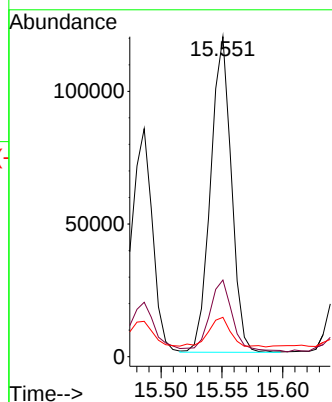
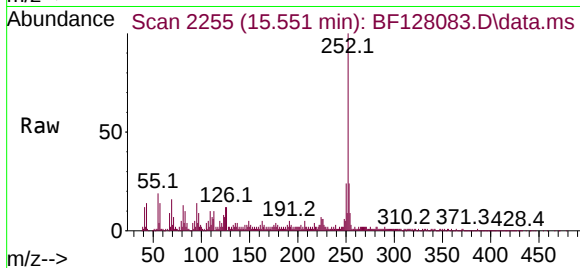
Tgt Ion:252 Resp: 141394

Ion Ratio Lower Upper

252 100

253 24.0 17.8 26.6

125 12.3 9.2 13.8



#91

Dibenzo(a,h)anthracene

Concen: 3.958 ng

RT: 17.168 min Scan# 2530

Delta R.T. -0.006 min

Lab File: BF128083.D

Acq: 04 May 2022 20:45

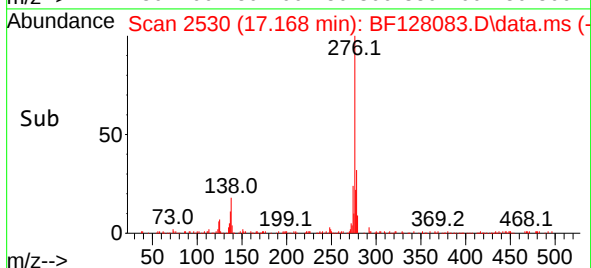
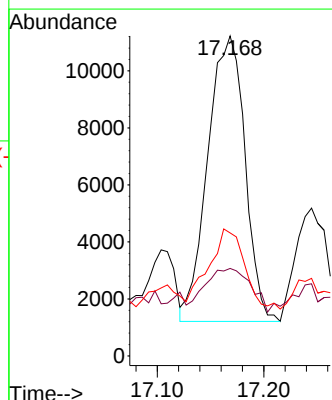
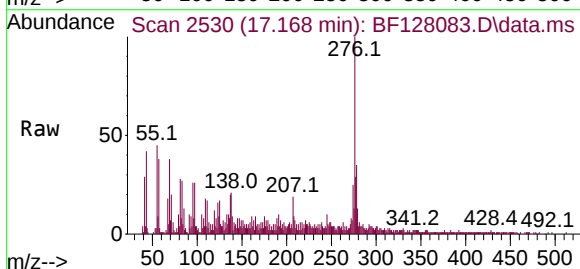
Tgt Ion:278 Resp: 24276

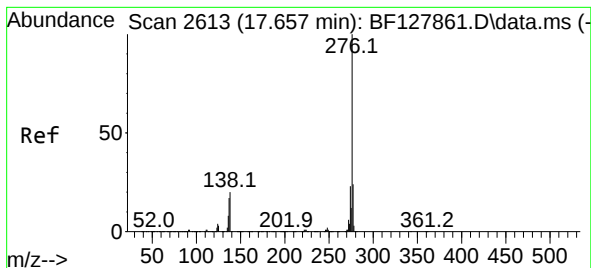
Ion Ratio Lower Upper

278 100

139 27.3 12.6 19.0#

279 38.4 18.9 28.3#





#92

Benzo(g,h,i)perylene

Concen: 14.687 ng

RT: 17.633 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF128083.D

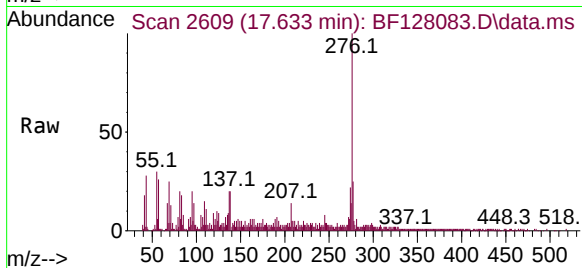
Acq: 04 May 2022 20:45

Instrument :

BNA_F

ClientSampleId :

OR-03-050322



Tgt Ion:276 Resp: 94918

Ion Ratio Lower Upper

276 100

277 25.1 18.8 28.2

138 19.8 16.2 24.2

