

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050522\
 Data File : BF128094.D
 Acq On : 05 May 2022 15:04
 Operator : CG\JU
 Sample : N2672-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 03

Quant Time: May 05 18:00:45 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)

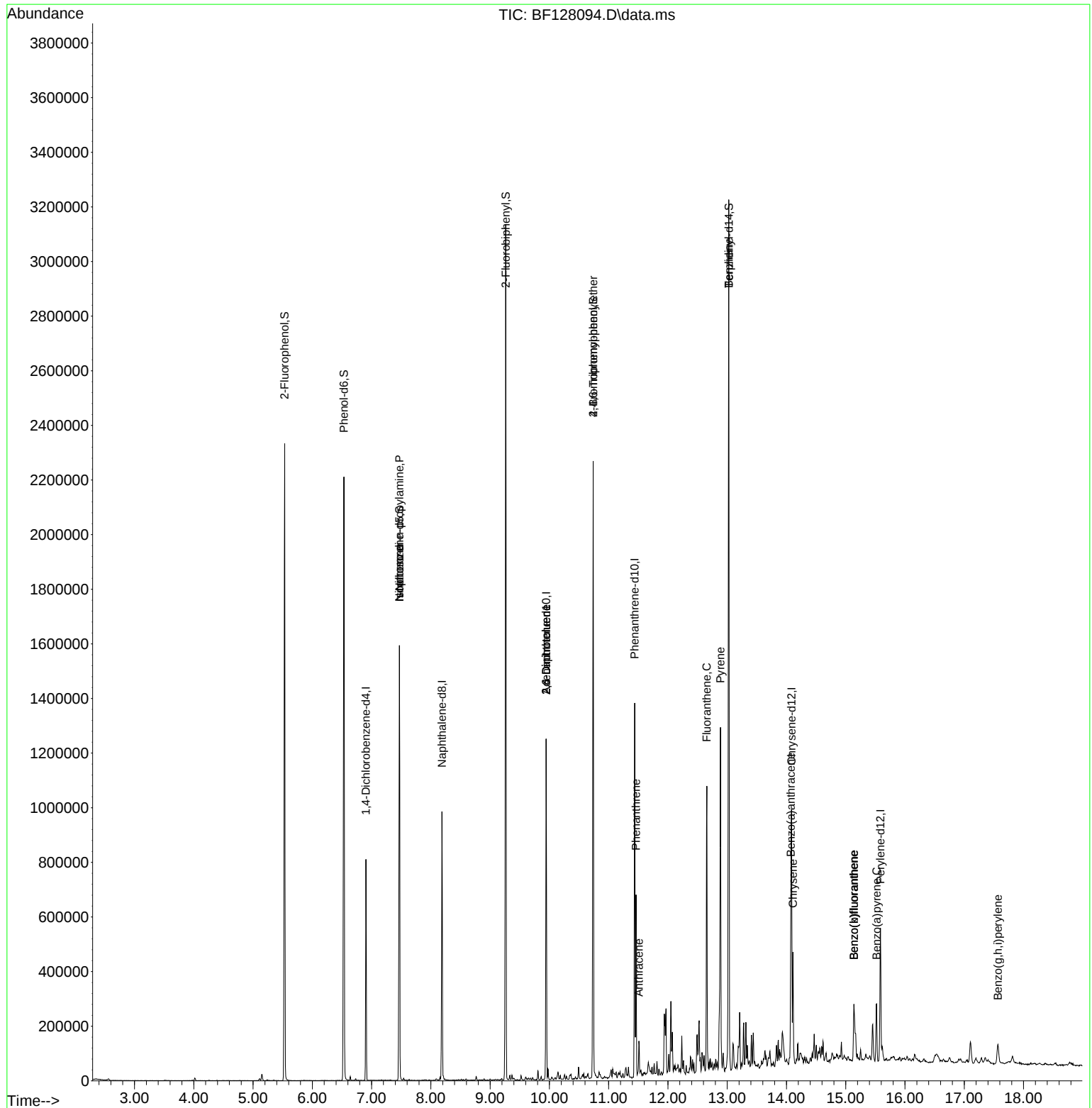
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	102315	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	400532	20.000	ng	-0.01
39) Acenaphthene-d10	9.945	164	241581	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	445912	20.000	ng	0.00
76) Chrysene-d12	14.086	240	277102	20.000	ng	0.00
86) Perylene-d12	15.586	264	210213	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	577982	89.977	ng	0.00
7) Phenol-d6	6.534	99	775573	93.049	ng	-0.01
23) Nitrobenzene-d5	7.469	82	553924	65.033	ng	-0.01
42) 2,4,6-Tribromophenol	10.739	330	253355	104.179	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	949883	66.518	ng	0.00
79) Terphenyl-d14	13.027	244	1087158	71.740	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.469	70	76103	14.915	ng	# 81
25) Isophorone	7.469	82	552589	38.546	ng	# 68
51) 2,6-Dinitrotoluene	9.945	165	30545	8.708	ng	# 21
57) 2,4-Dinitrotoluene	9.945	165	30545	6.574	ng	# 26
67) 4-Bromophenyl-phenylether	10.739	248	15098	3.054	ng	# 1
71) Phenanthrene	11.463	178	219218	9.392	ng	98
72) Anthracene	11.510	178	48754	2.097	ng	99
75) Fluoranthene	12.657	202	391061	15.919	ng	96
77) Benzidine	13.027	184	16294	3.108	ng	# 95
78) Pyrene	12.886	202	479403	21.432	ng	100
81) Benzo(a)anthracene	14.074	228	168598	9.128	ng	97
83) Chrysene	14.110	228	145462	8.247	ng	99
88) Benzo(b)fluoranthene	15.139	252	157349	11.917	ng	97
89) Benzo(k)fluoranthene	15.139	252	157349	11.829	ng	96
90) Benzo(a)pyrene	15.521	252	105339	9.618	ng	# 97
92) Benzo(g,h,i)perylene	17.568	276	60062	5.065	ng	99

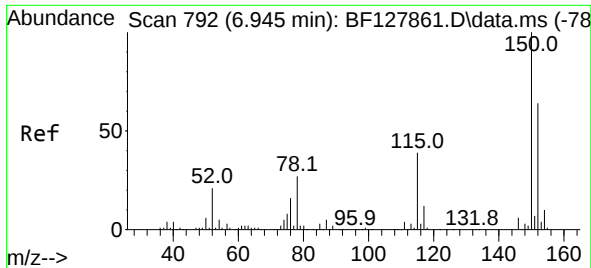
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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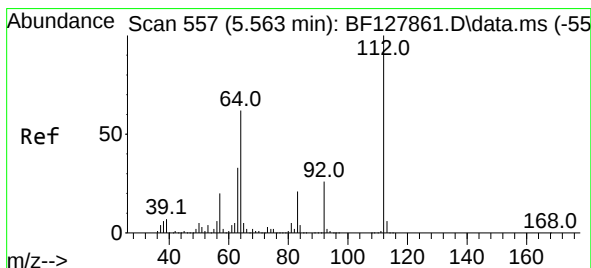
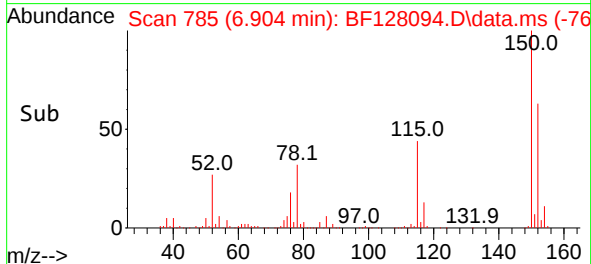
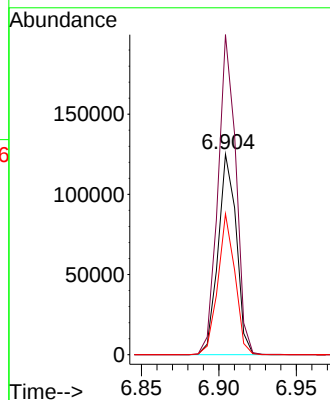
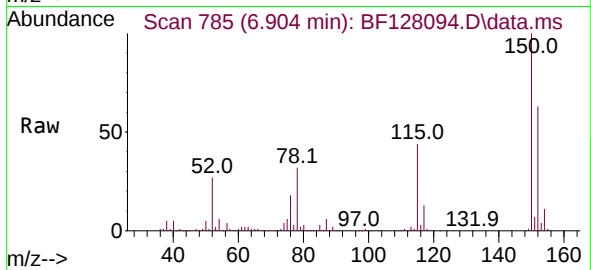




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF128094.D
 Acq: 05 May 2022 15:04

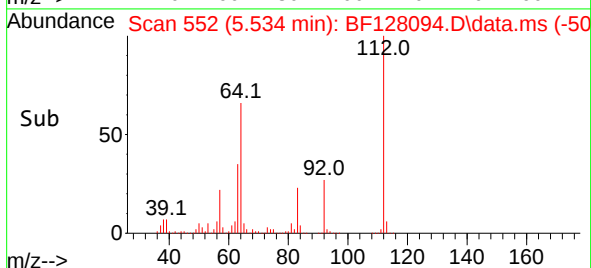
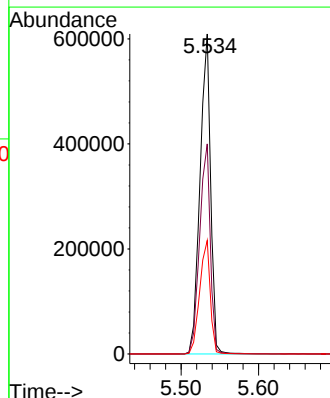
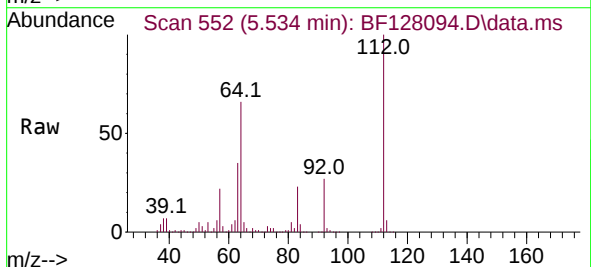
Instrument :
 BNA_F
 ClientSampleId :
 03

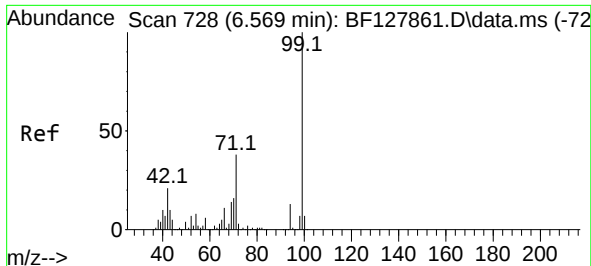
Tgt Ion:152 Resp: 102315
 Ion Ratio Lower Upper
 152 100
 150 159.7 125.3 187.9
 115 70.2 48.8 73.2



#5
 2-Fluorophenol
 Concen: 89.977 ng
 RT: 5.534 min Scan# 552
 Delta R.T. 0.000 min
 Lab File: BF128094.D
 Acq: 05 May 2022 15:04

Tgt Ion:112 Resp: 577982
 Ion Ratio Lower Upper
 112 100
 64 65.7 49.5 74.3
 63 35.4 26.3 39.5

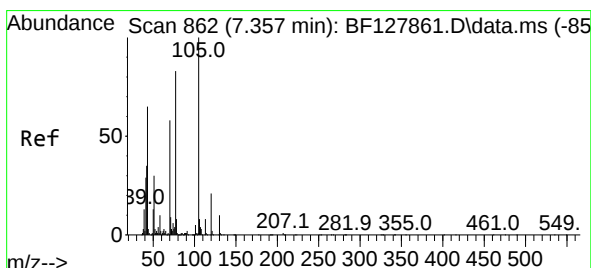
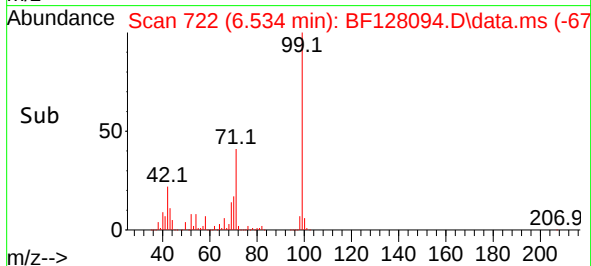
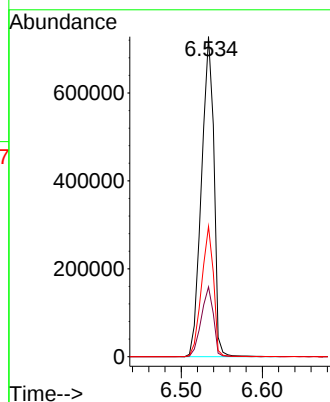
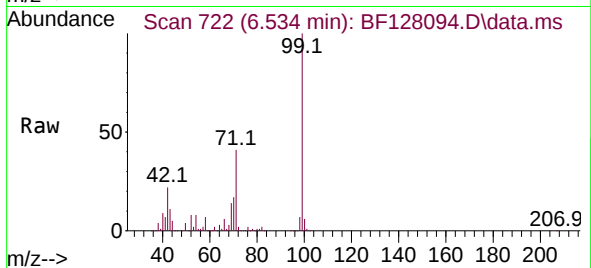




#7
Phenol-d6
Concen: 93.049 ng
RT: 6.534 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128094.D
Acq: 05 May 2022 15:04

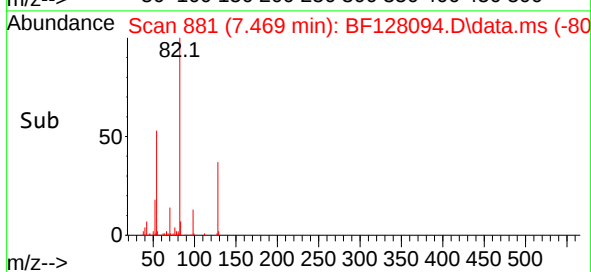
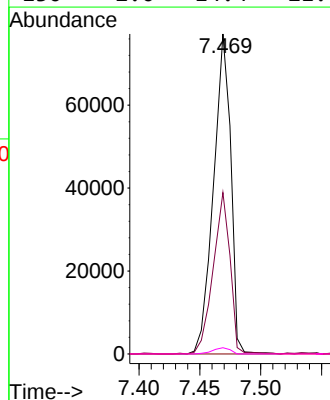
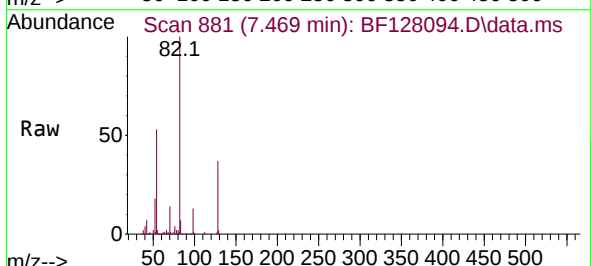
Instrument :
BNA_F
ClientSampleId :
03

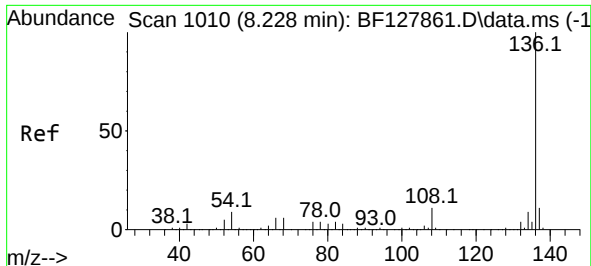
Tgt Ion: 99 Resp: 775573
Ion Ratio Lower Upper
99 100
42 21.8 16.6 24.8
71 40.7 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 14.915 ng
RT: 7.469 min Scan# 881
Delta R.T. 0.141 min
Lab File: BF128094.D
Acq: 05 May 2022 15:04

Tgt Ion: 70 Resp: 76103
Ion Ratio Lower Upper
70 100
42 50.5 48.7 73.1
101 0.0 7.2 10.8#
130 2.0 14.4 21.6#

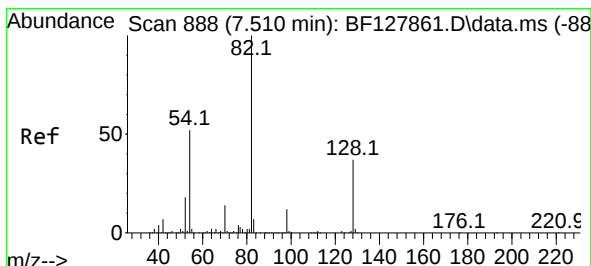
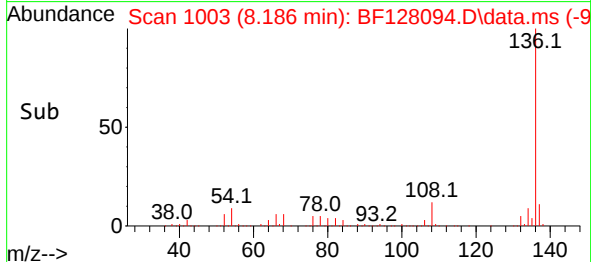
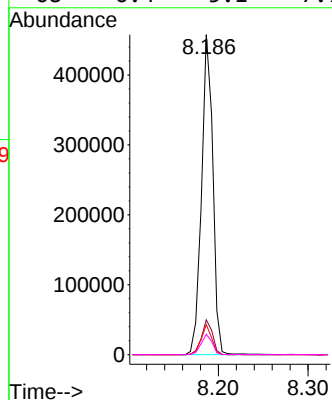
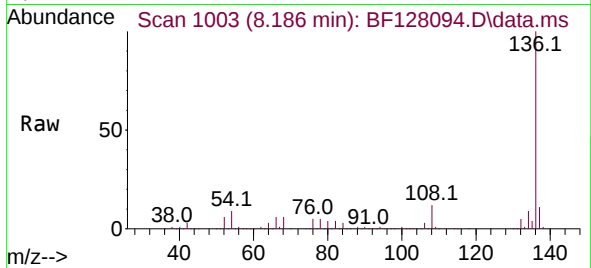




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1010
Delta R.T. -0.012 min
Lab File: BF128094.D
Acq: 05 May 2022 15:04

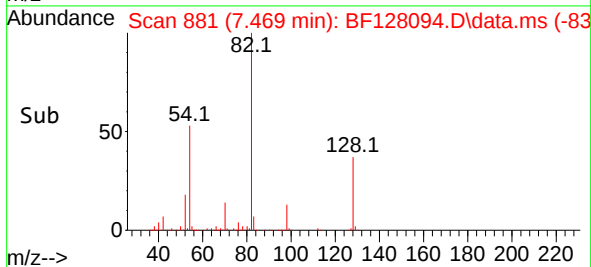
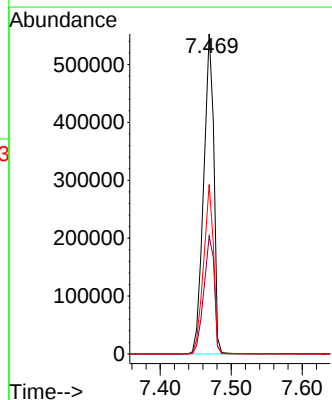
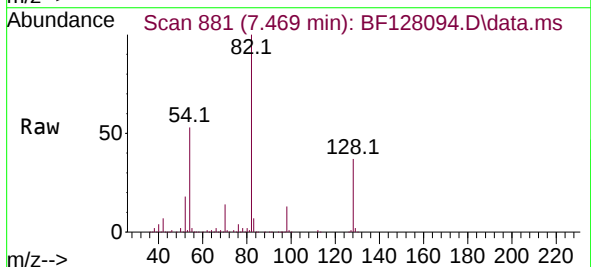
Instrument :
BNA_F
ClientSampleId :
03

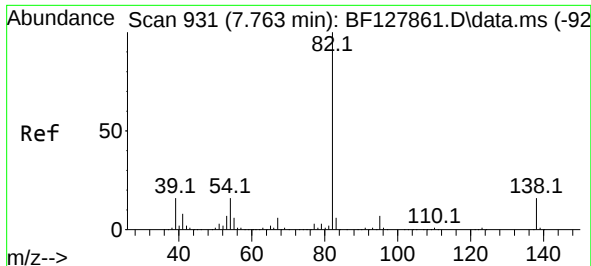
Tgt Ion:136	Resp: 400532
Ion Ratio	Lower Upper
136 100	
137 10.9	8.6 13.0
54 9.4	6.8 10.2
68 6.4	5.1 7.7



#23
Nitrobenzene-d5
Concen: 65.033 ng
RT: 7.469 min Scan# 881
Delta R.T. -0.012 min
Lab File: BF128094.D
Acq: 05 May 2022 15:04

Tgt Ion: 82	Resp: 553924
Ion Ratio	Lower Upper
82 100	
128 36.9	30.0 45.0
54 53.0	41.3 61.9

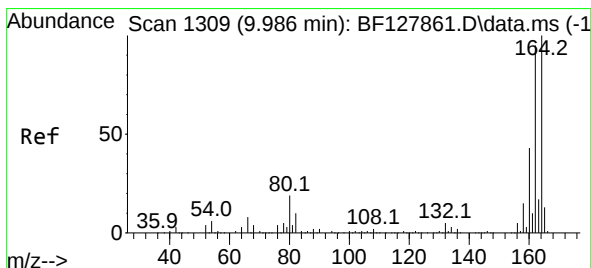
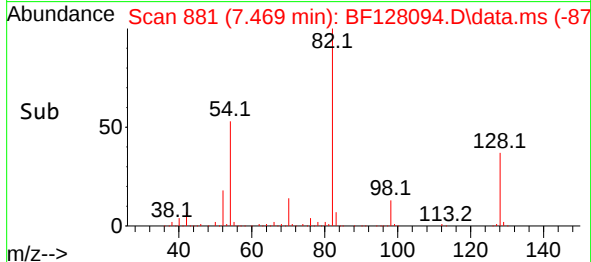
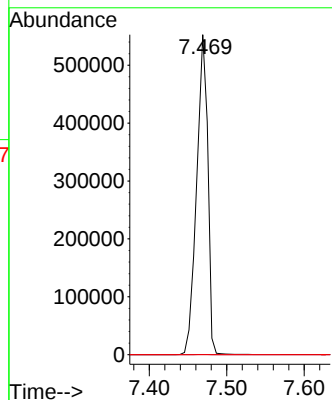
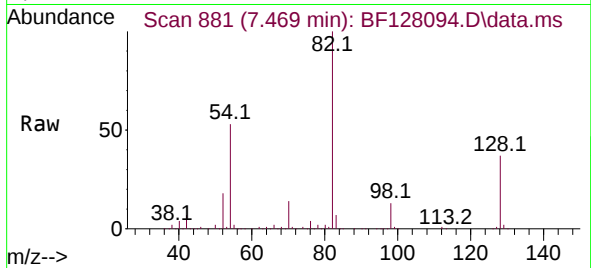




#25
Isophorone
Concen: 38.546 ng
RT: 7.469 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF128094.D
Acq: 05 May 2022 15:04

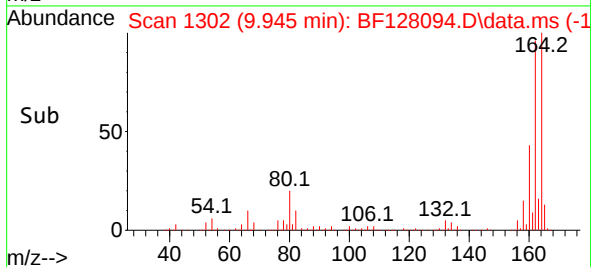
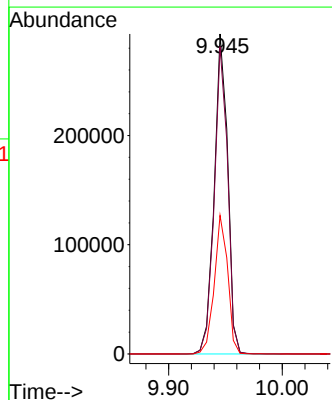
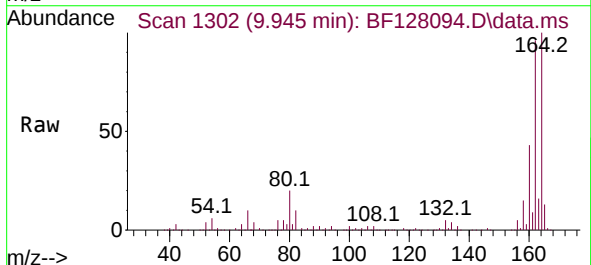
Instrument :
BNA_F
ClientSampleId :
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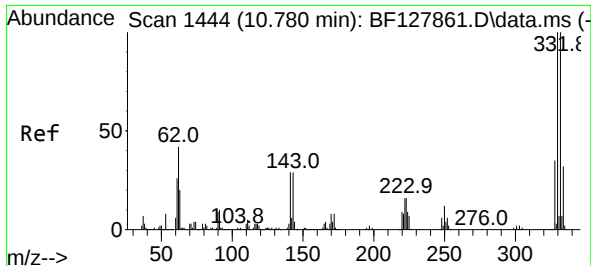
Tgt Ion: 82 Resp: 552589
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF128094.D
Acq: 05 May 2022 15:04

Tgt Ion: 164 Resp: 241581
Ion Ratio Lower Upper
164 100
162 96.0 76.0 114.0
160 43.3 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 104.179 ng

RT: 10.739 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF128094.D

Acq: 05 May 2022 15:04

Instrument :

BNA_F

ClientSampleId :

03

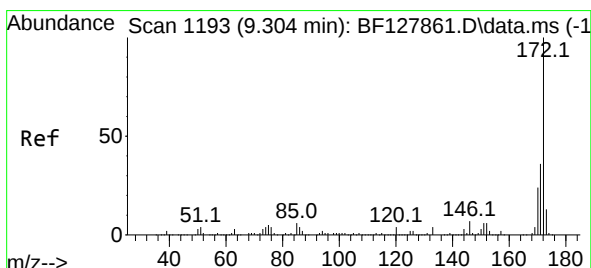
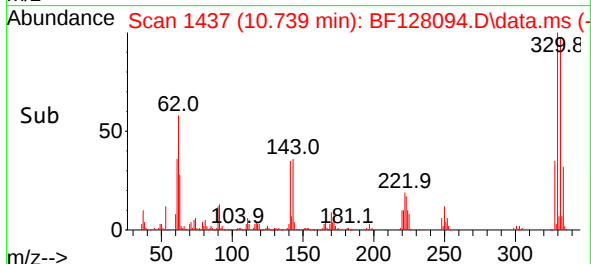
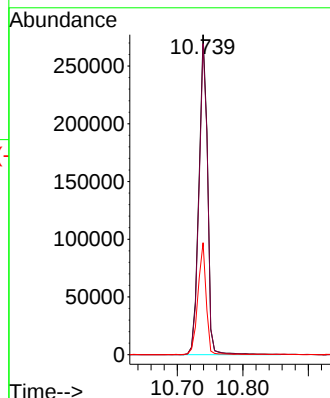
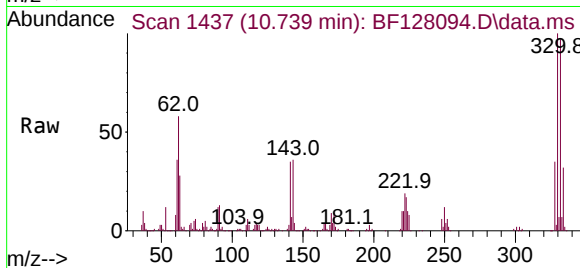
Tgt Ion:330 Resp: 253355

Ion Ratio Lower Upper

330 100

332 97.1 79.0 118.4

141 33.3 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 66.518 ng

RT: 9.263 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF128094.D

Acq: 05 May 2022 15:04

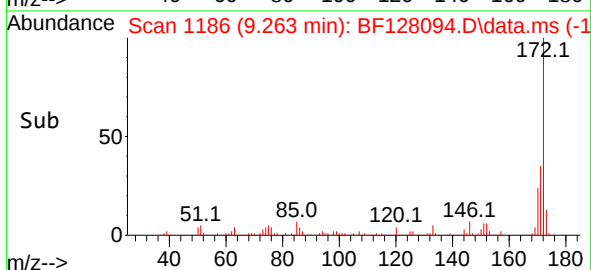
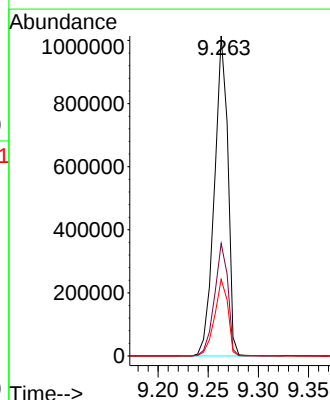
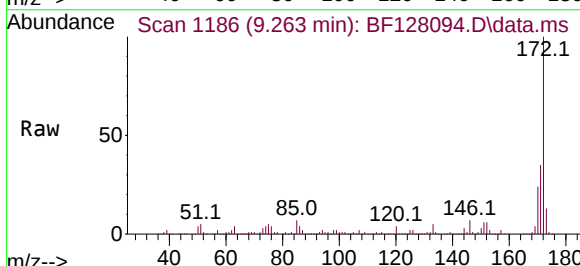
Tgt Ion:172 Resp: 949883

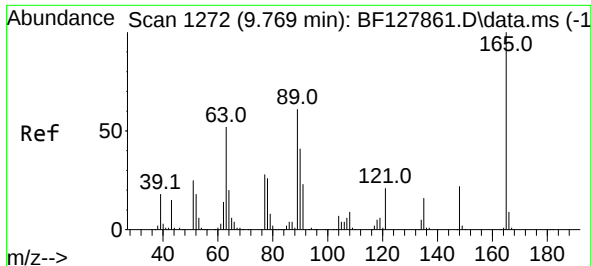
Ion Ratio Lower Upper

172 100

171 35.2 28.6 42.8

170 24.0 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 8.708 ng

RT: 9.945 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF128094.D

Acq: 05 May 2022 15:04

Instrument :

BNA_F

ClientSampleId :

03

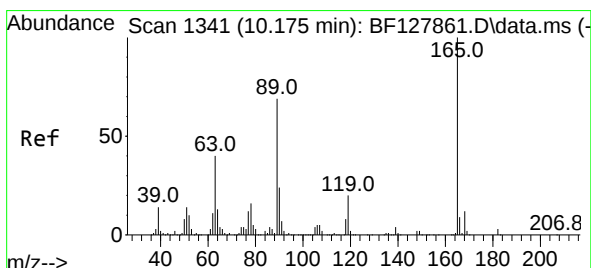
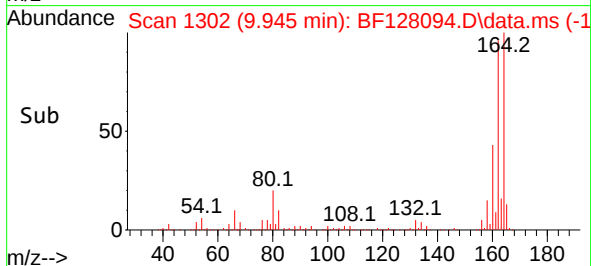
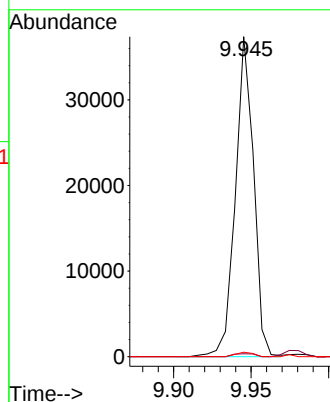
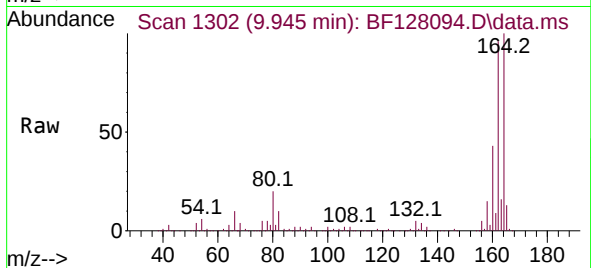
Tgt Ion:165 Resp: 30545

Ion Ratio Lower Upper

165 100

63 0.9 49.5 74.3#

89 1.4 49.0 73.4#



#57

2,4-Dinitrotoluene

Concen: 6.574 ng

RT: 9.945 min Scan# 1302

Delta R.T. -0.200 min

Lab File: BF128094.D

Acq: 05 May 2022 15:04

Tgt Ion:165 Resp: 30545

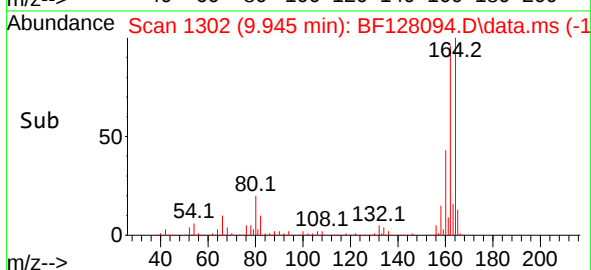
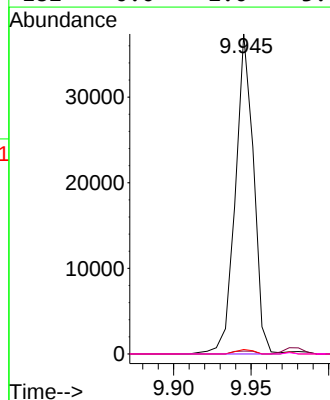
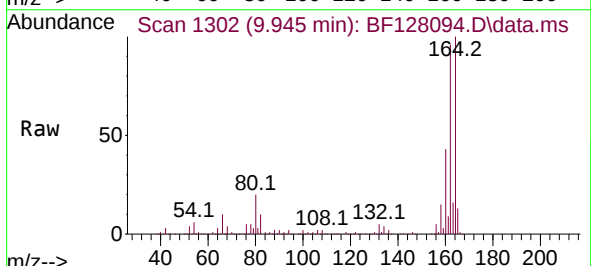
Ion Ratio Lower Upper

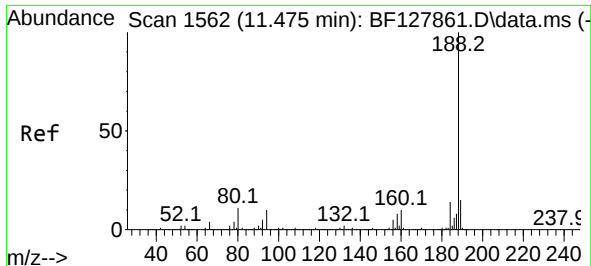
165 100

63 0.9 32.6 49.0#

89 1.4 55.2 82.8#

182 0.0 2.0 3.0#

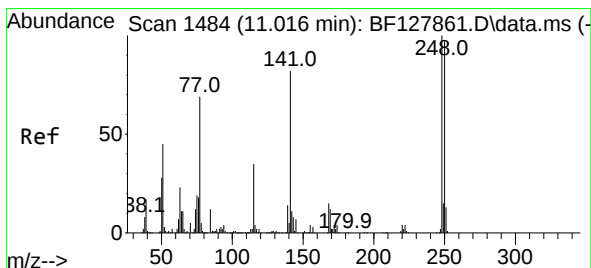
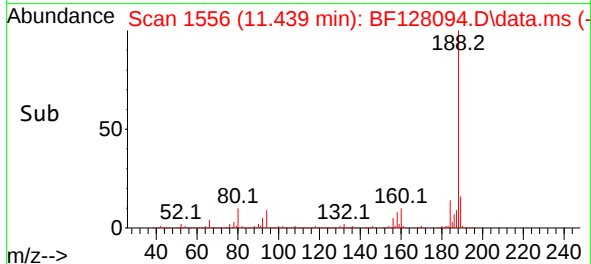
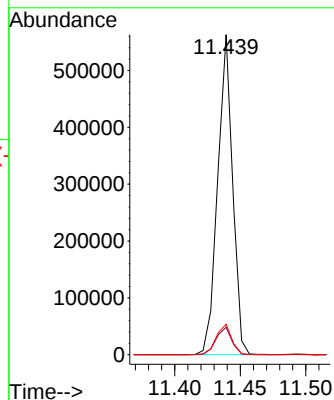
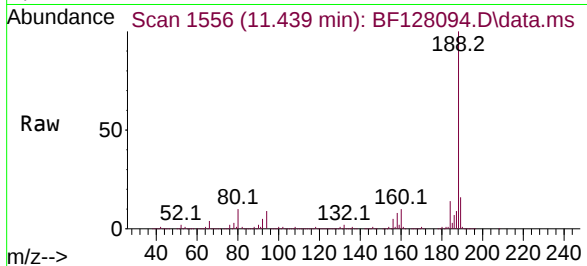




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128094.D
Acq: 05 May 2022 15:04

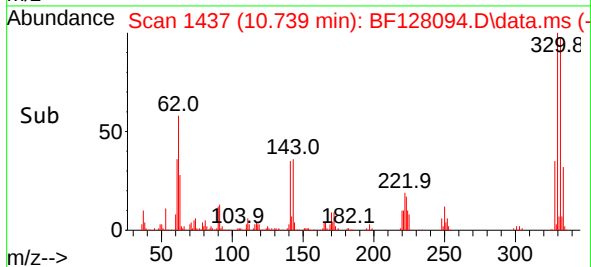
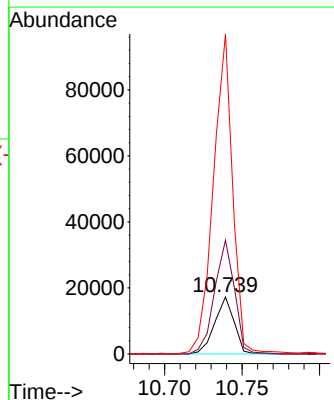
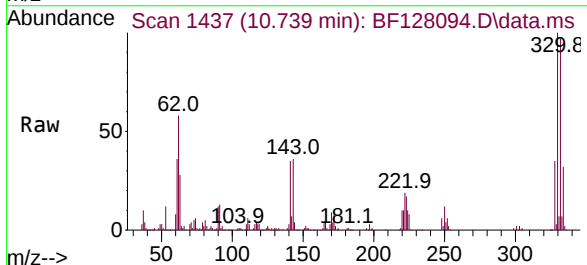
Instrument :
BNA_F
ClientSampleId :
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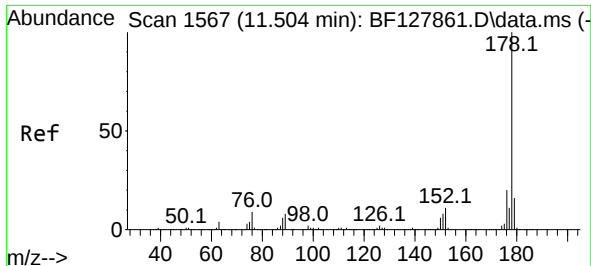
Tgt Ion:188 Resp: 445912
Ion Ratio Lower Upper
188 100
94 8.6 8.0 12.0
80 9.5 8.9 13.3



#67
4-Bromophenyl-phenylether
Concen: 3.054 ng
RT: 10.739 min Scan# 1437
Delta R.T. -0.247 min
Lab File: BF128094.D
Acq: 05 May 2022 15:04

Tgt Ion:248 Resp: 15098
Ion Ratio Lower Upper
248 100
250 199.7 77.7 116.5#
141 561.8 65.6 98.4#





#71

Phenanthrene

Concen: 9.392 ng

RT: 11.463 min Scan# 1560

Delta R.T. -0.012 min

Lab File: BF128094.D

Acq: 05 May 2022 15:04

Instrument :

BNA_F

ClientSampleId :

03

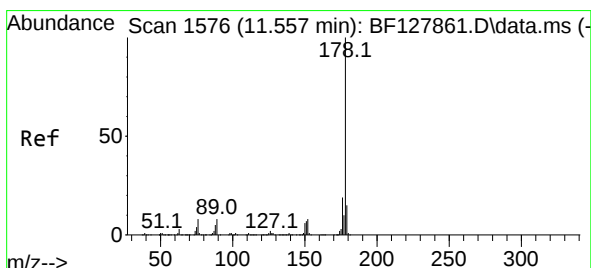
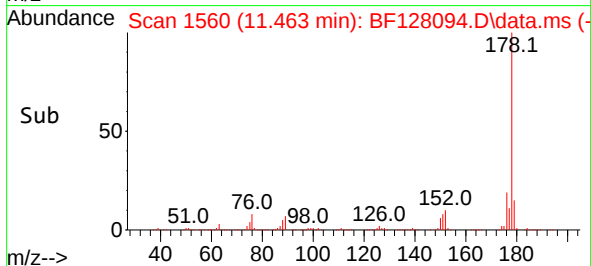
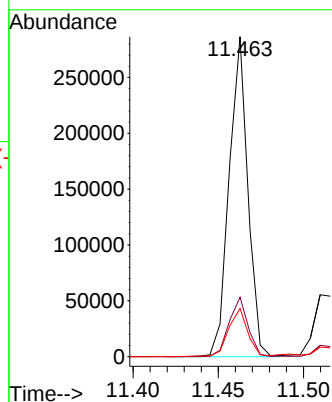
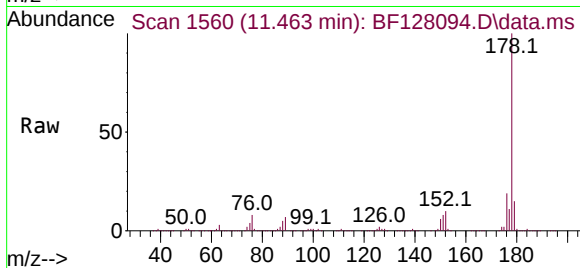
Tgt Ion:178 Resp: 219218

Ion Ratio Lower Upper

178 100

176 18.6 15.7 23.5

179 15.0 12.6 19.0



#72

Anthracene

Concen: 2.097 ng

RT: 11.510 min Scan# 1568

Delta R.T. -0.012 min

Lab File: BF128094.D

Acq: 05 May 2022 15:04

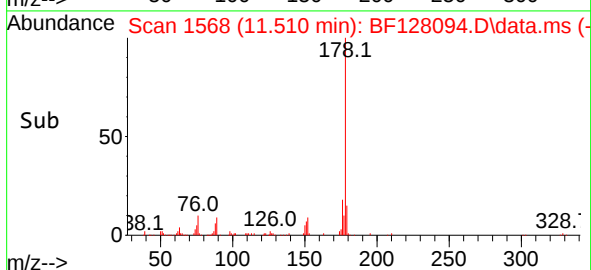
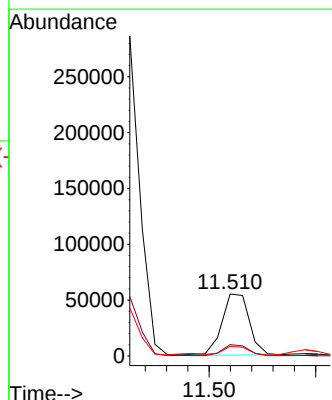
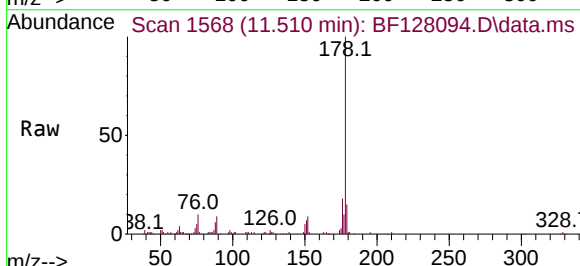
Tgt Ion:178 Resp: 48754

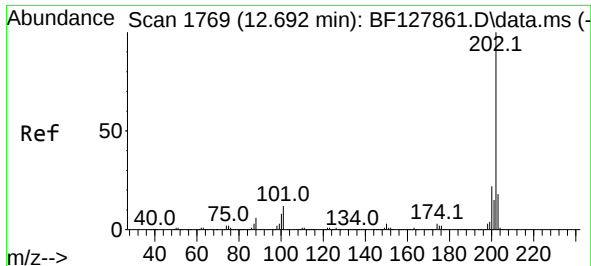
Ion Ratio Lower Upper

178 100

176 18.3 15.0 22.6

179 15.5 12.4 18.6

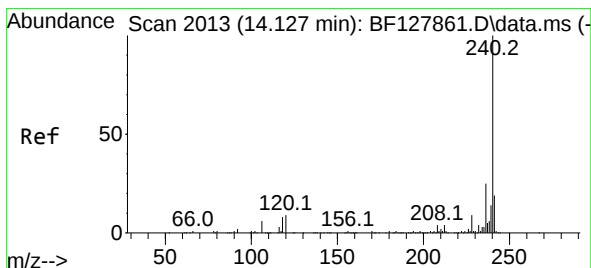
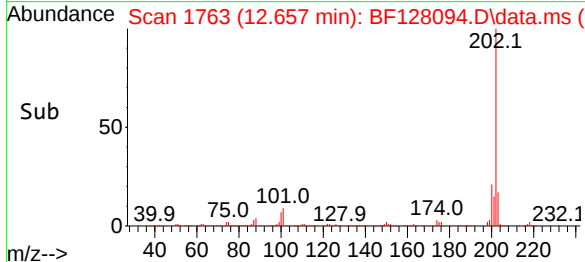
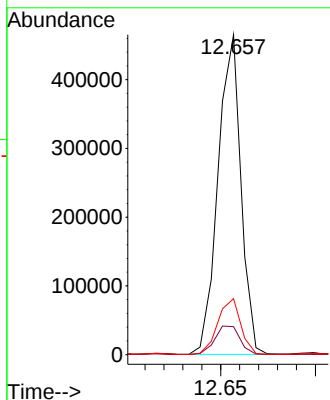
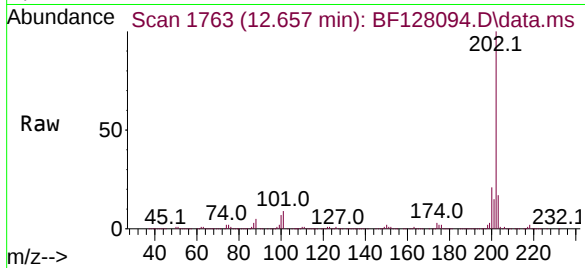




#75
Fluoranthene
Concen: 15.919 ng
RT: 12.657 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128094.D
Acq: 05 May 2022 15:04

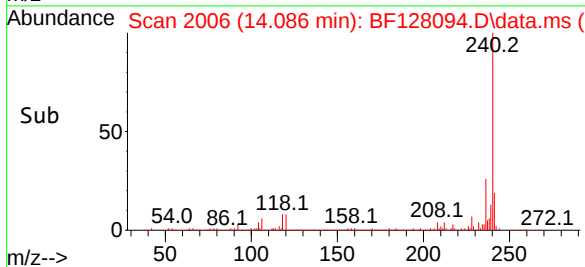
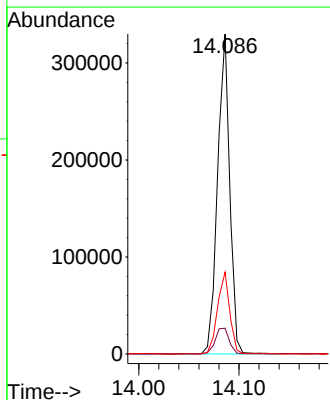
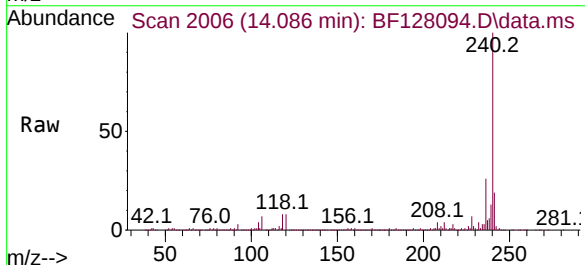
Instrument :
BNA_F
ClientSampleId :
03

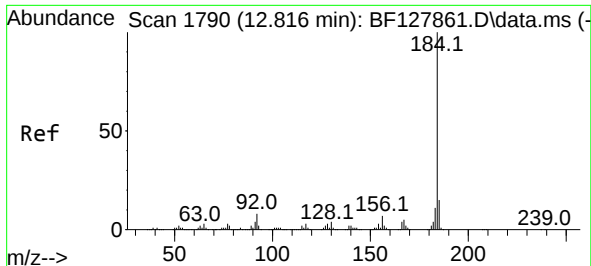
Tgt Ion:202 Resp: 391061
Ion Ratio Lower Upper
202 100
101 8.8 0.0 31.6
203 17.5 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2006
Delta R.T. -0.006 min
Lab File: BF128094.D
Acq: 05 May 2022 15:04

Tgt Ion:240 Resp: 277102
Ion Ratio Lower Upper
240 100
120 8.1 7.0 10.6
236 25.6 20.3 30.5

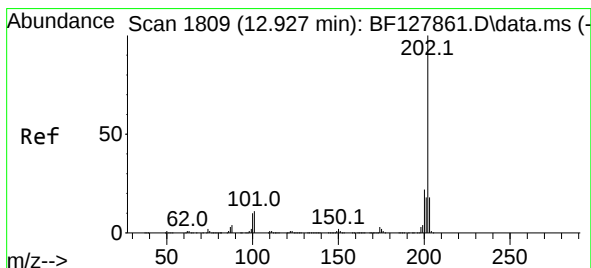
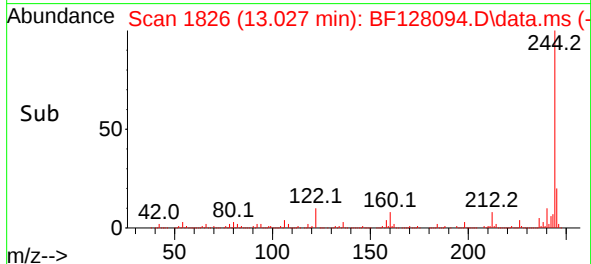
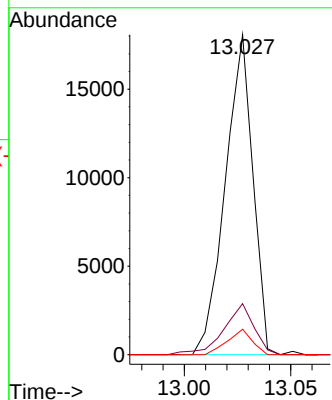
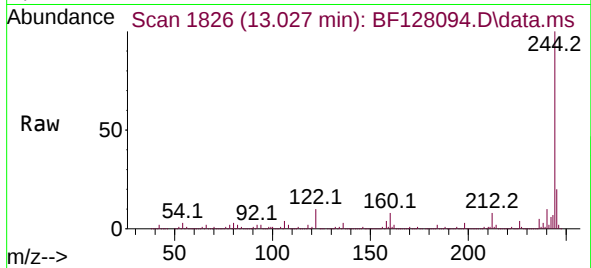




#77
Benzidine
Concen: 3.108 ng
RT: 13.027 min Scan# 1826
Delta R.T. 0.247 min
Lab File: BF128094.D
Acq: 05 May 2022 15:04

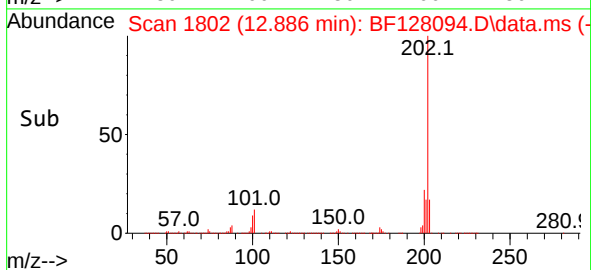
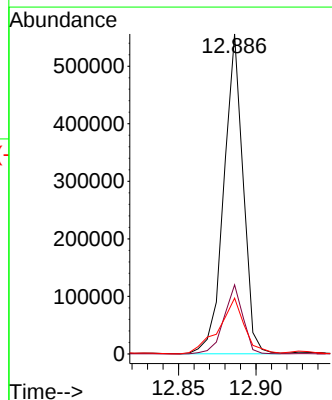
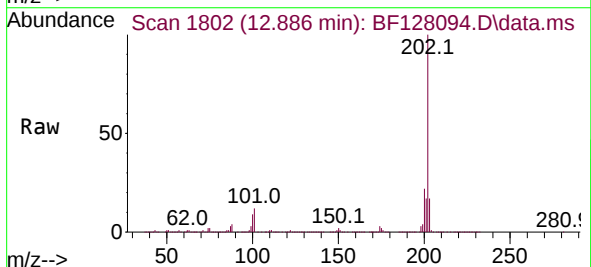
Instrument :
BNA_F
ClientSampleId :
03

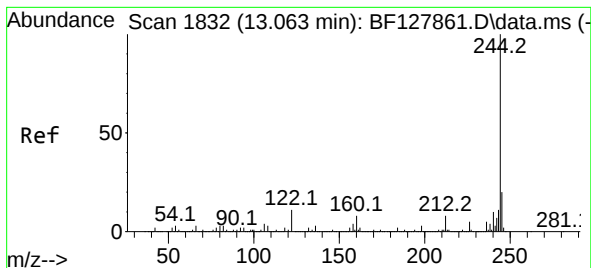
Tgt Ion:184 Resp: 16294
Ion Ratio Lower Upper
184 100
185 16.0 12.1 18.1
183 8.0 9.0 13.4#



#78
Pyrene
Concen: 21.432 ng
RT: 12.886 min Scan# 1802
Delta R.T. -0.006 min
Lab File: BF128094.D
Acq: 05 May 2022 15:04

Tgt Ion:202 Resp: 479403
Ion Ratio Lower Upper
202 100
200 21.6 17.4 26.2
203 17.4 14.0 21.0





#79

Terphenyl-d14

Concen: 71.740 ng

RT: 13.027 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128094.D

Acq: 05 May 2022 15:04

Instrument :

BNA_F

ClientSampleId :

03

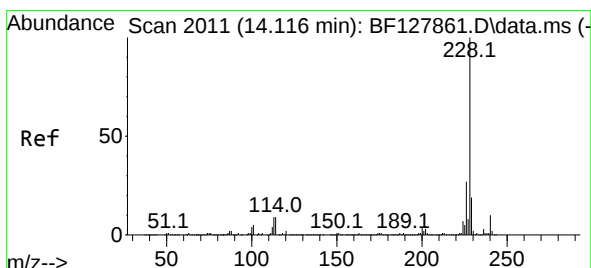
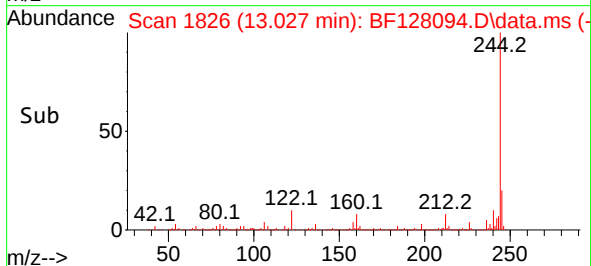
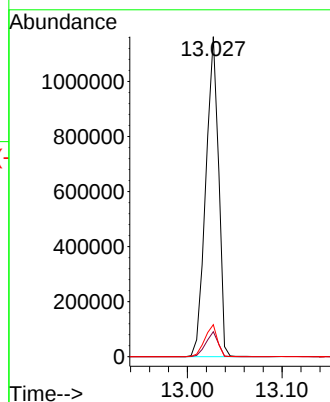
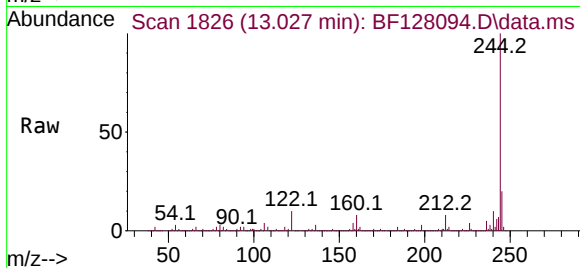
Tgt Ion:244 Resp: 1087158

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.4

122 10.0 8.6 12.8



#81

Benzo(a)anthracene

Concen: 9.128 ng

RT: 14.074 min Scan# 2004

Delta R.T. -0.006 min

Lab File: BF128094.D

Acq: 05 May 2022 15:04

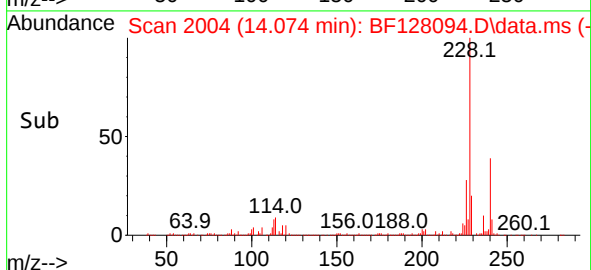
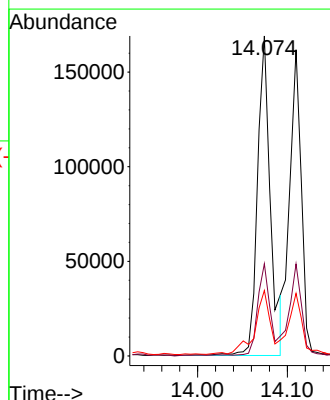
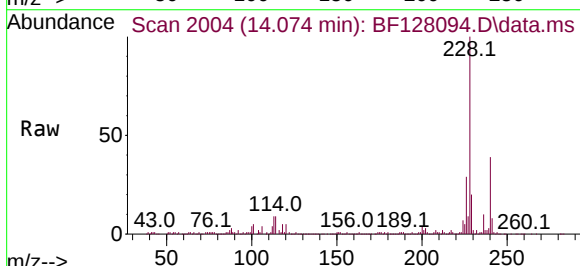
Tgt Ion:228 Resp: 168598

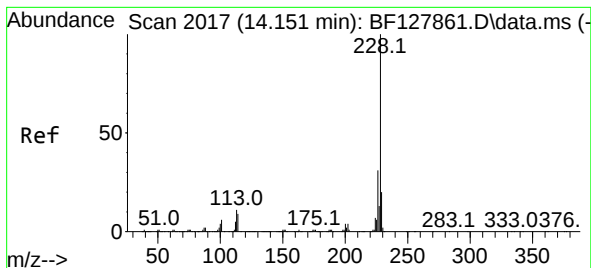
Ion Ratio Lower Upper

228 100

226 28.8 21.7 32.5

229 20.5 15.4 23.2





#83

Chrysene

Concen: 8.247 ng

RT: 14.110 min Scan# 2017

Delta R.T. -0.012 min

Lab File: BF128094.D

Acq: 05 May 2022 15:04

Instrument :

BNA_F

ClientSampleId :

03

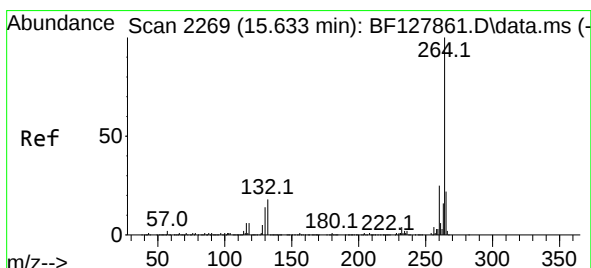
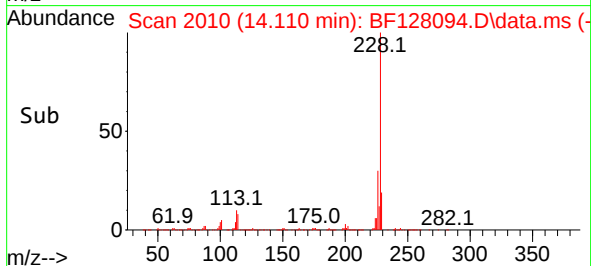
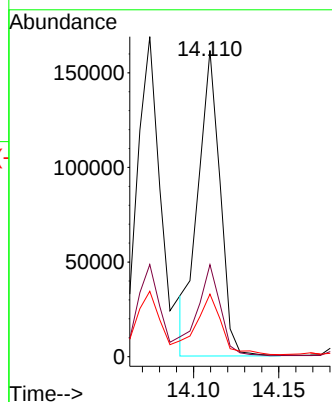
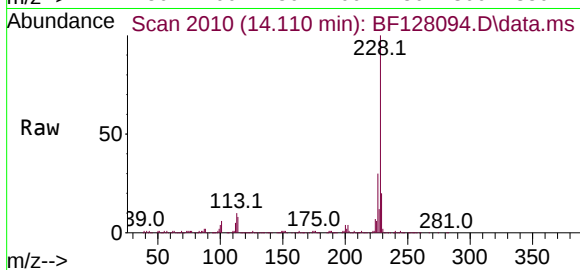
Tgt Ion:228 Resp: 145462

Ion Ratio Lower Upper

228 100

226 30.0 24.4 36.6

229 20.4 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.586 min Scan# 2261

Delta R.T. -0.006 min

Lab File: BF128094.D

Acq: 05 May 2022 15:04

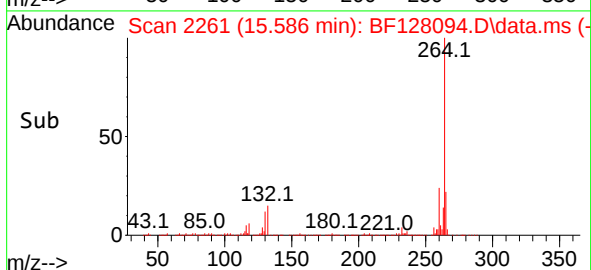
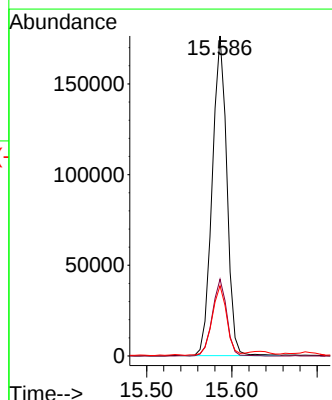
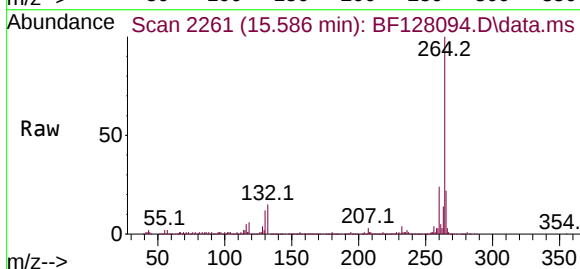
Tgt Ion:264 Resp: 210213

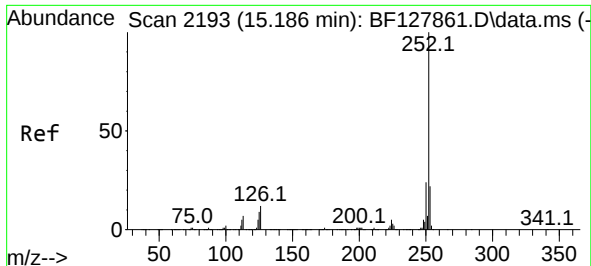
Ion Ratio Lower Upper

264 100

260 24.0 20.1 30.1

265 22.0 17.5 26.3

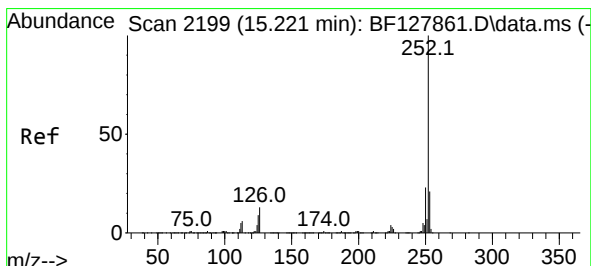
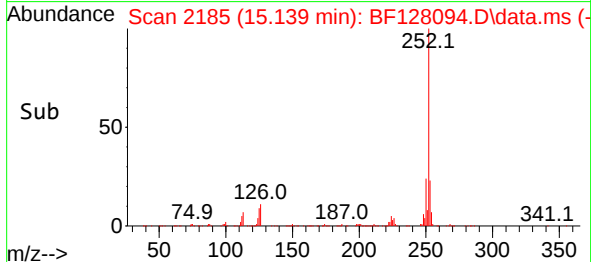
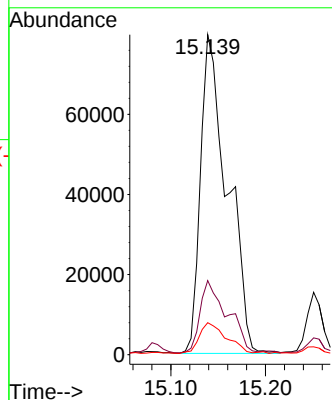
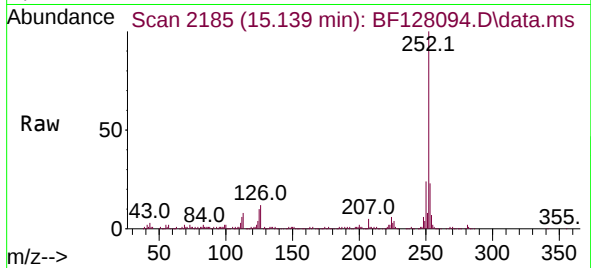




#88
Benzo(b)fluoranthene
Concen: 11.917 ng
RT: 15.139 min Scan# 2193
Delta R.T. -0.012 min
Lab File: BF128094.D
Acq: 05 May 2022 15:04

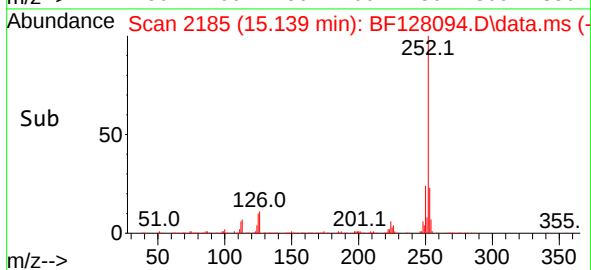
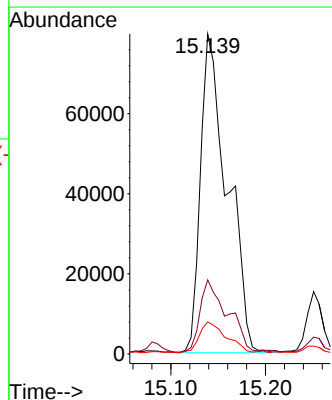
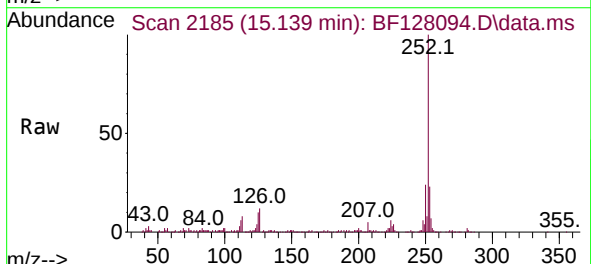
Instrument :
BNA_F
ClientSampleId :
03

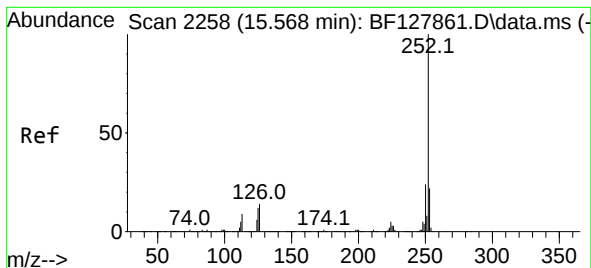
Tgt Ion:252 Resp: 157349
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.2
125 10.0 7.4 11.2



#89
Benzo(k)fluoranthene
Concen: 11.829 ng
RT: 15.139 min Scan# 2185
Delta R.T. -0.041 min
Lab File: BF128094.D
Acq: 05 May 2022 15:04

Tgt Ion:252 Resp: 157349
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.4
125 10.0 6.8 10.2





#90

Benzo(a)pyrene

Concen: 9.618 ng

RT: 15.521 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF128094.D

Acq: 05 May 2022 15:04

Instrument :

BNA_F

ClientSampleId :

03

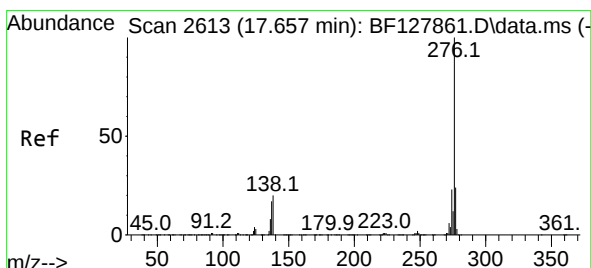
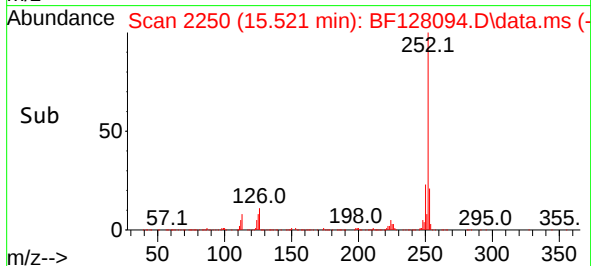
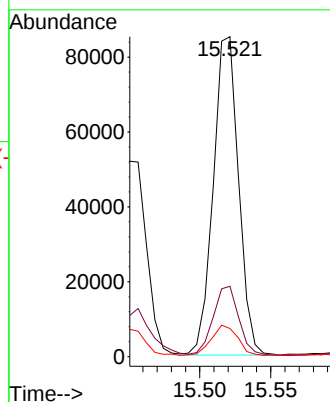
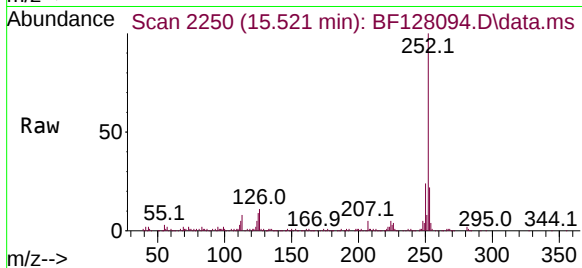
Tgt Ion:252 Resp: 105339

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

125 8.8 9.2 13.8#



#92

Benzo(g,h,i)perylene

Concen: 5.065 ng

RT: 17.568 min Scan# 2598

Delta R.T. -0.029 min

Lab File: BF128094.D

Acq: 05 May 2022 15:04

Tgt Ion:276 Resp: 60062

Ion Ratio Lower Upper

276 100

277 24.2 18.8 28.2

138 20.8 16.2 24.2

