

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050522\
 Data File : BF128104.D
 Acq On : 05 May 2022 19:52
 Operator : CG\JU
 Sample : N2672-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 06

Quant Time: May 06 05:02:19 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)

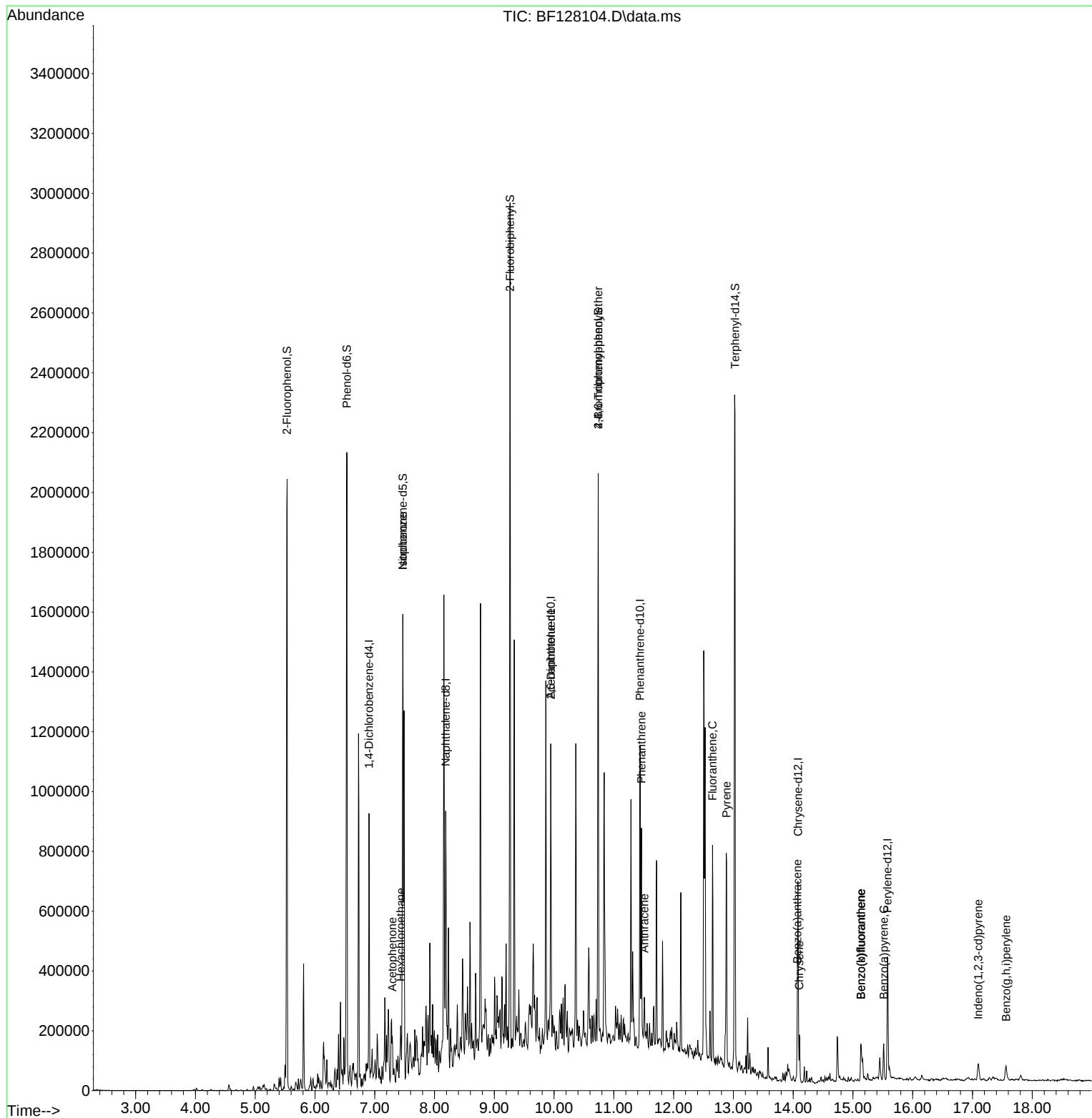
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	83042	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	332049	20.000	ng	-0.01
39) Acenaphthene-d10	9.945	164	195658	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	353721	20.000	ng	0.00
76) Chrysene-d12	14.080	240	198219	20.000	ng	-0.01
86) Perylene-d12	15.580	264	186761	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	536924	102.984	ng	0.00
7) Phenol-d6	6.534	99	708678	104.756	ng	-0.01
23) Nitrobenzene-d5	7.469	82	511928	72.498	ng	-0.01
42) 2,4,6-Tribromophenol	10.739	330	212773	108.027	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	833113	72.035	ng	0.00
79) Terphenyl-d14	13.027	244	835882	77.110	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	7.434	117	5553	2.429	ng	# 1
22) Acetophenone	7.292	105	29110	3.597	ng	# 61
25) Isophorone	7.469	82	510519	42.956	ng	# 68
51) 2,6-Dinitrotoluene	9.945	165	28150	9.908	ng	# 22
67) 4-Bromophenyl-phenylether	10.739	248	13514	3.446	ng	# 1
71) Phenanthrene	11.463	178	223294	12.060	ng	100
72) Anthracene	11.510	178	58489	3.171	ng	99
75) Fluoranthene	12.651	202	261083	13.398	ng	97
78) Pyrene	12.886	202	211024	13.188	ng	98
81) Benzo(a)anthracene	14.068	228	72109	5.458	ng	100
83) Chrysene	14.104	228	61981	4.912	ng	97
87) Indeno(1,2,3-cd)pyrene	17.098	276	38997	3.128	ng	# 93
88) Benzo(b)fluoranthene	15.133	252	94642	8.068	ng	99
89) Benzo(k)fluoranthene	15.133	252	94642	8.008	ng	98
90) Benzo(a)pyrene	15.515	252	54237	5.574	ng	97
92) Benzo(g,h,i)perylene	17.562	276	40083	3.804	ng	97

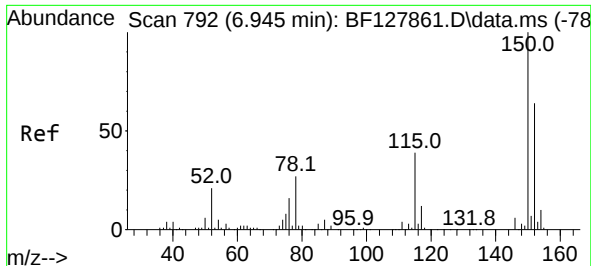
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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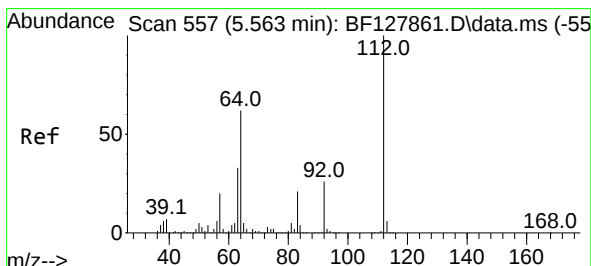
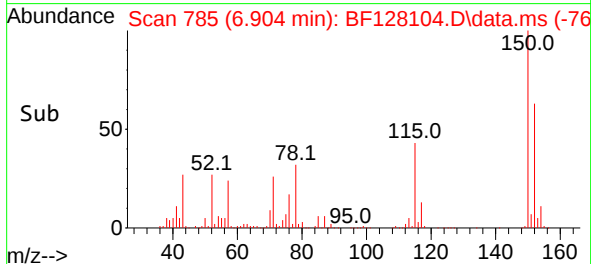
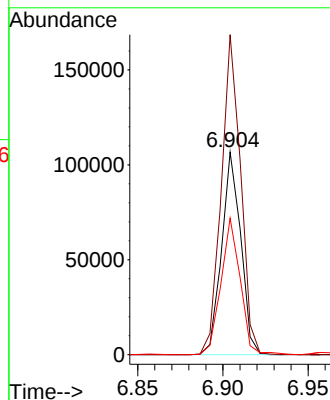
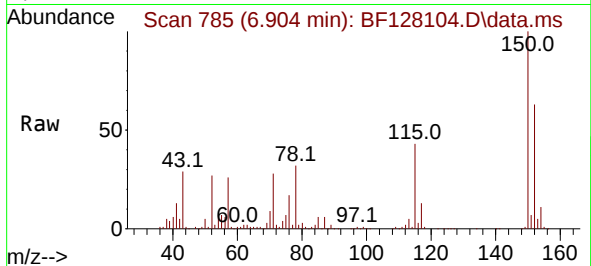




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128104.D
Acq: 05 May 2022 19:52

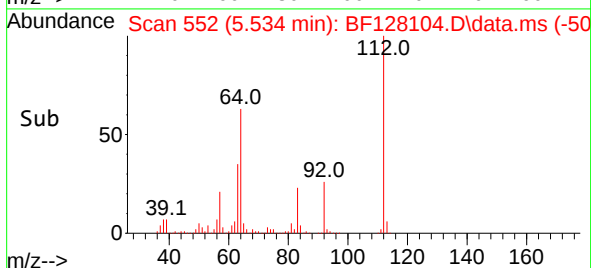
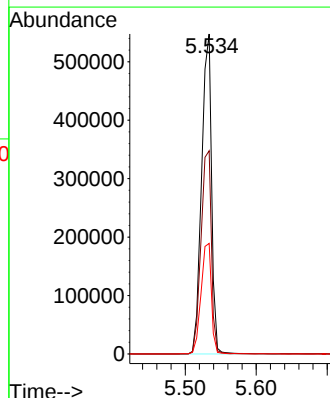
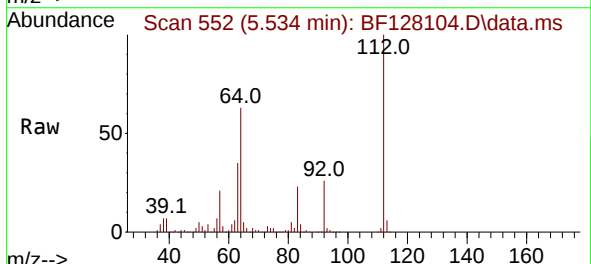
Instrument :
BNA_F
ClientSampleId :
06

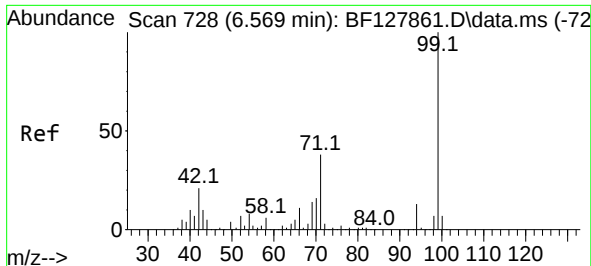
Tgt Ion:152 Resp: 83042
Ion Ratio Lower Upper
152 100
150 158.0 125.3 187.9
115 67.4 48.8 73.2



#5
2-Fluorophenol
Concen: 102.984 ng
RT: 5.534 min Scan# 552
Delta R.T. 0.000 min
Lab File: BF128104.D
Acq: 05 May 2022 19:52

Tgt Ion:112 Resp: 536924
Ion Ratio Lower Upper
112 100
64 63.5 49.5 74.3
63 34.5 26.3 39.5

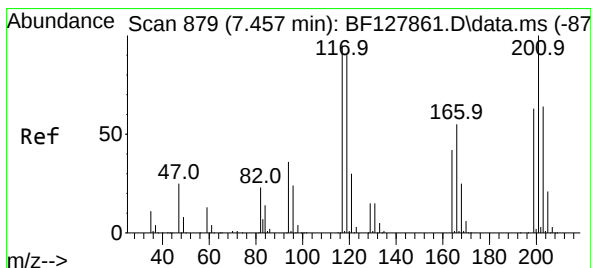
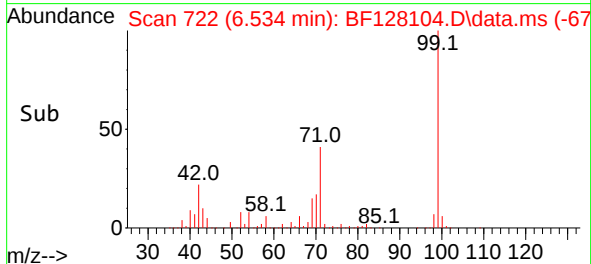
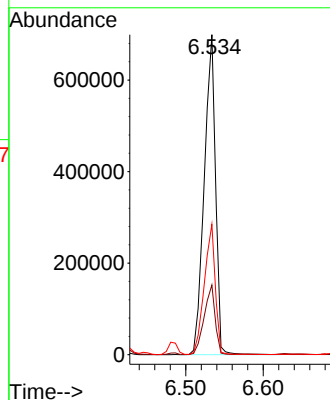
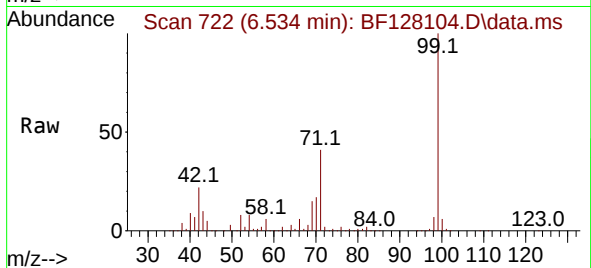




#7
Phenol-d6
Concen: 104.756 ng
RT: 6.534 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128104.D
Acq: 05 May 2022 19:52

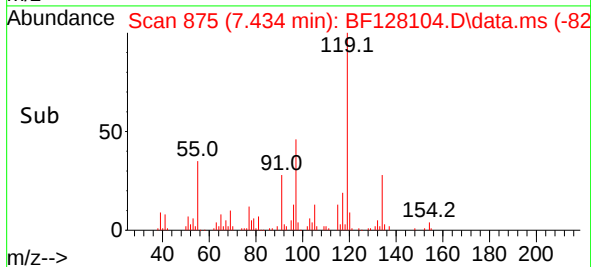
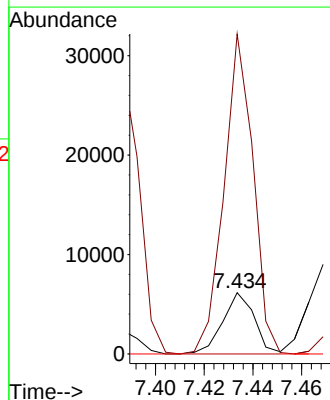
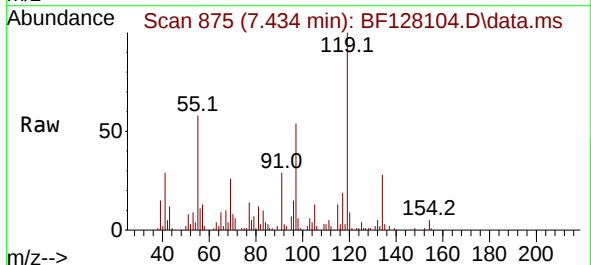
Instrument :
BNA_F
ClientSampleId :
06

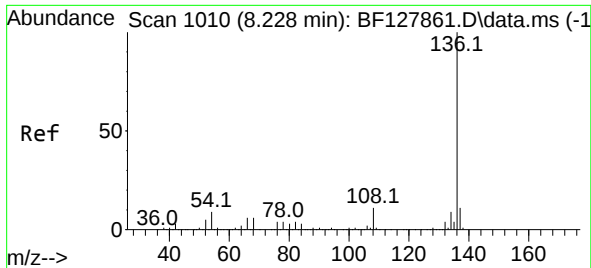
Tgt Ion: 99 Resp: 708678
Ion Ratio Lower Upper
99 100
42 21.8 16.6 24.8
71 40.8 30.0 45.0



#18
Hexachloroethane
Concen: 2.429 ng
RT: 7.434 min Scan# 875
Delta R.T. 0.012 min
Lab File: BF128104.D
Acq: 05 May 2022 19:52

Tgt Ion: 117 Resp: 5553
Ion Ratio Lower Upper
117 100
119 522.6 76.2 114.4#
201 0.0 84.4 126.6#

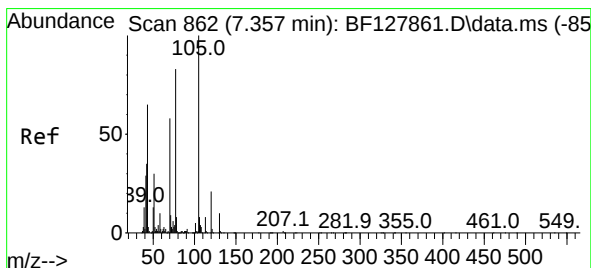
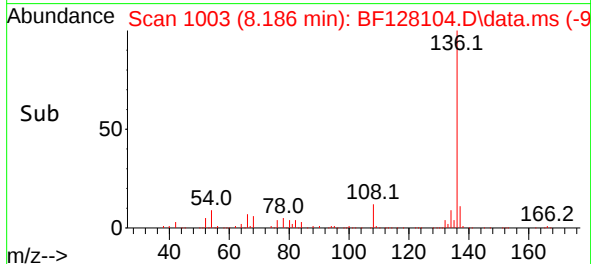
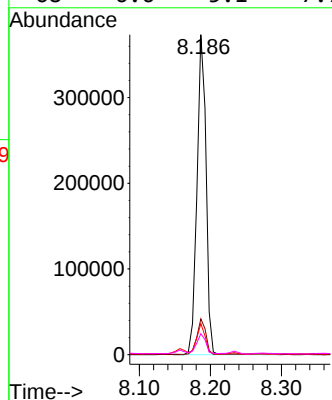
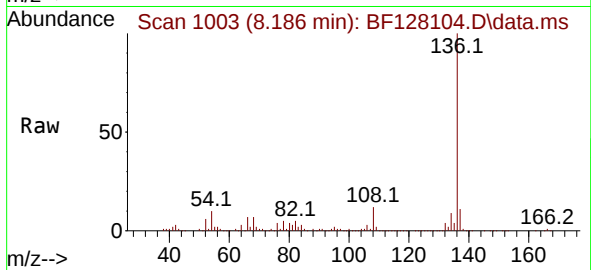




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1010
Delta R.T. -0.012 min
Lab File: BF128104.D
Acq: 05 May 2022 19:52

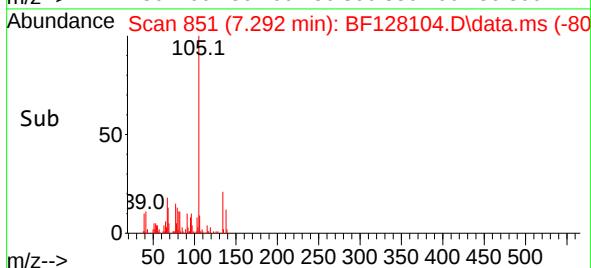
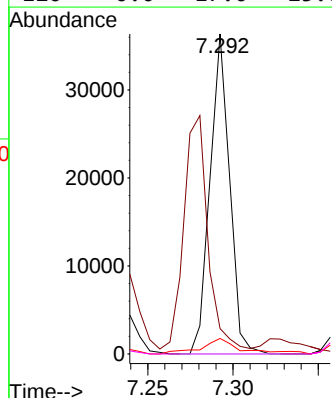
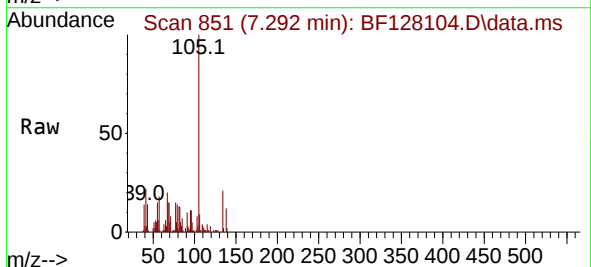
Instrument :
BNA_F
ClientSampleId :
06

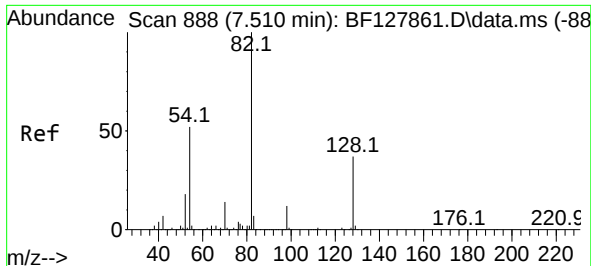
Tgt Ion:136 Resp: 332049
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 9.7 6.8 10.2
68 6.6 5.1 7.7



#22
Acetophenone
Concen: 3.597 ng
RT: 7.292 min Scan# 851
Delta R.T. -0.035 min
Lab File: BF128104.D
Acq: 05 May 2022 19:52

Tgt Ion:105 Resp: 29110
Ion Ratio Lower Upper
105 100
71 7.9 7.3 10.9
51 4.9 23.7 35.5#
120 0.0 17.0 25.6#





#23

Nitrobenzene-d5

Concen: 72.498 ng

RT: 7.469 min Scan# 881

Delta R.T. -0.012 min

Lab File: BF128104.D

Acq: 05 May 2022 19:52

Instrument :

BNA_F

ClientSampleId :

06

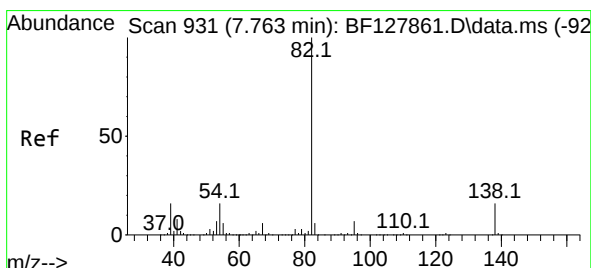
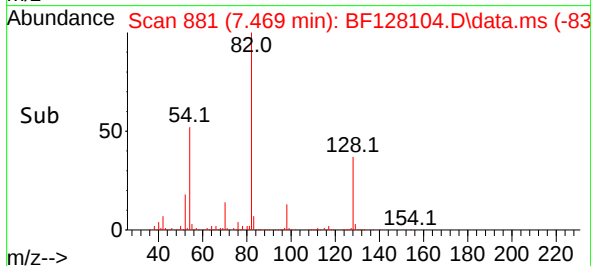
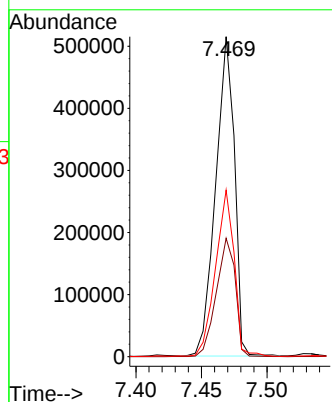
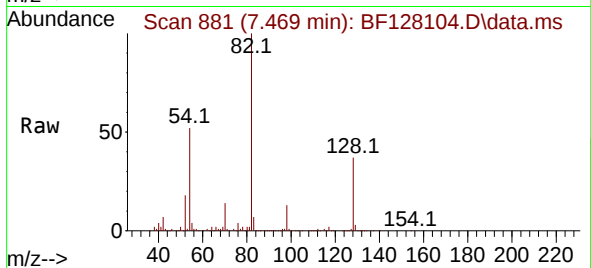
Tgt Ion: 82 Resp: 511928

Ion Ratio Lower Upper

82 100

128 37.0 30.0 45.0

54 52.0 41.3 61.9



#25

Isophorone

Concen: 42.956 ng

RT: 7.469 min Scan# 881

Delta R.T. -0.271 min

Lab File: BF128104.D

Acq: 05 May 2022 19:52

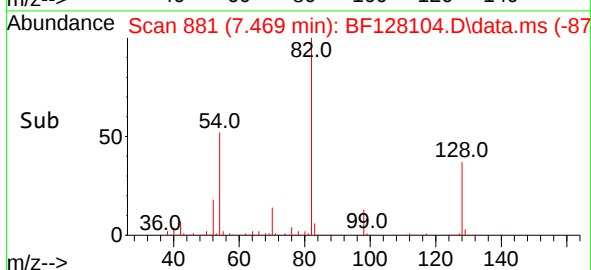
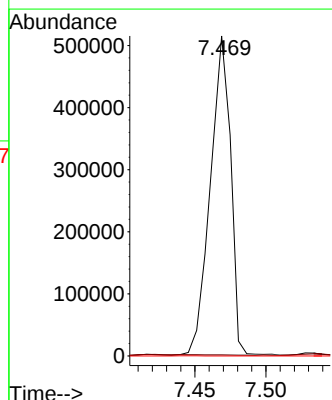
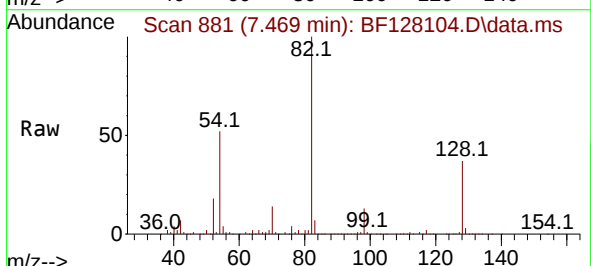
Tgt Ion: 82 Resp: 510519

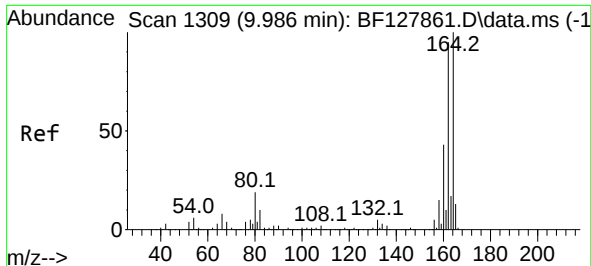
Ion Ratio Lower Upper

82 100

95 0.4 5.6 8.4#

138 0.0 12.5 18.7#

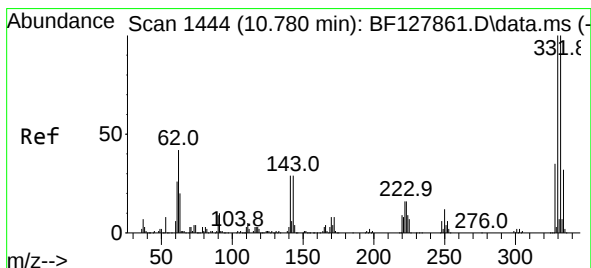
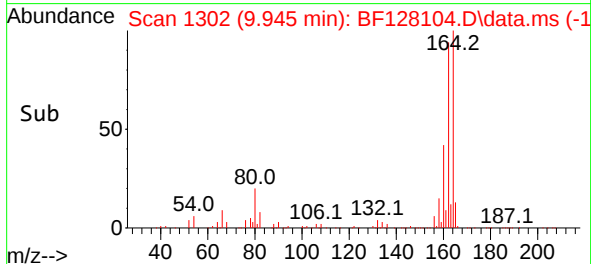
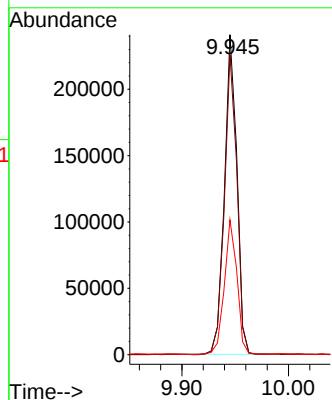
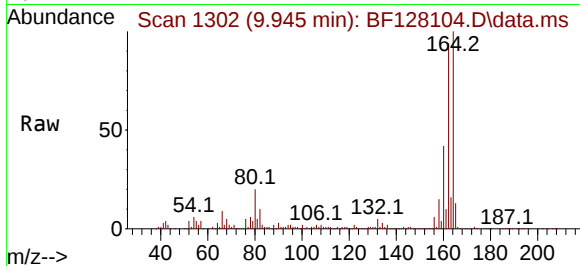




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128104.D
Acq: 05 May 2022 19:52

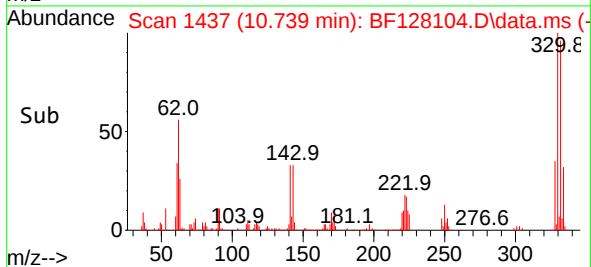
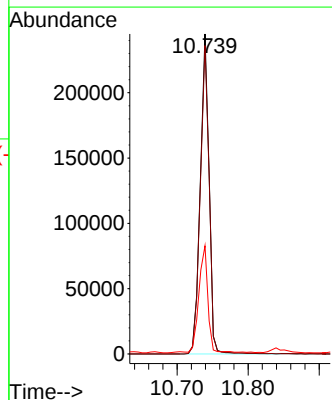
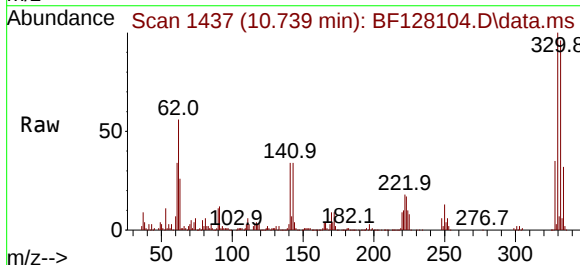
Instrument :
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ClientSampleId :
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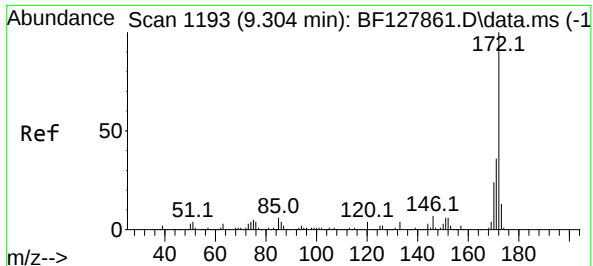
Tgt Ion:164 Resp: 195658
Ion Ratio Lower Upper
164 100
162 93.8 76.0 114.0
160 42.2 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 108.027 ng
RT: 10.739 min Scan# 1437
Delta R.T. -0.006 min
Lab File: BF128104.D
Acq: 05 May 2022 19:52

Tgt Ion:330 Resp: 212773
Ion Ratio Lower Upper
330 100
332 96.8 79.0 118.4
141 34.8 28.9 43.3





#45

2-Fluorobiphenyl

Concen: 72.035 ng

RT: 9.263 min Scan# 1193

Delta R.T. -0.006 min

Lab File: BF128104.D

Acq: 05 May 2022 19:52

Instrument :

BNA_F

ClientSampleId :

06

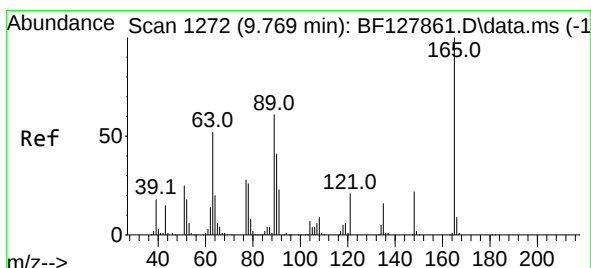
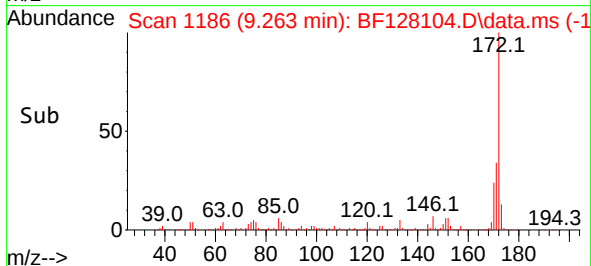
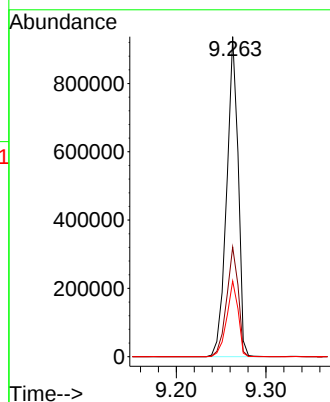
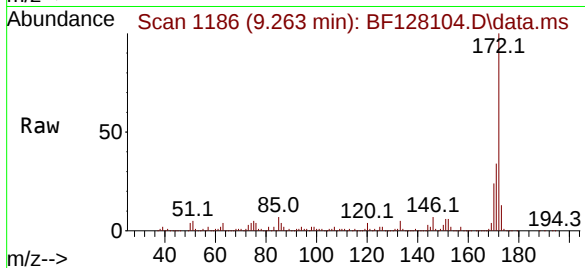
Tgt Ion:172 Resp: 833113

Ion Ratio Lower Upper

172 100

171 34.2 28.6 42.8

170 23.6 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 9.908 ng

RT: 9.945 min Scan# 1302

Delta R.T. 0.206 min

Lab File: BF128104.D

Acq: 05 May 2022 19:52

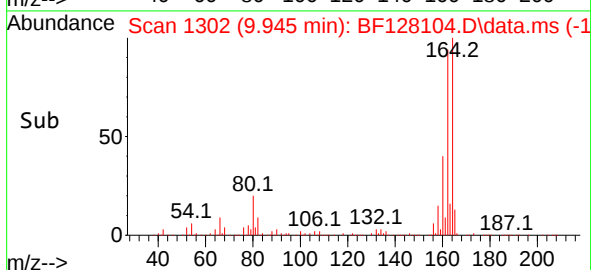
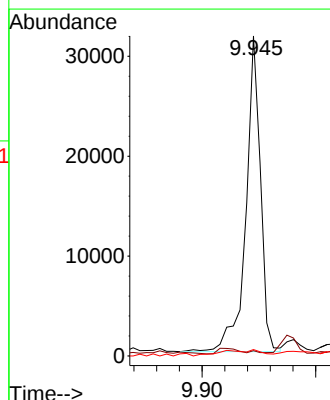
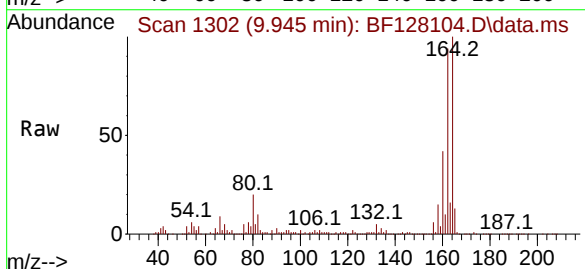
Tgt Ion:165 Resp: 28150

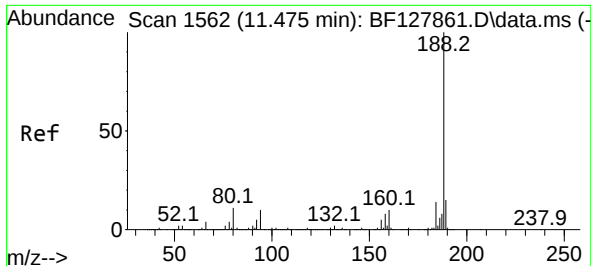
Ion Ratio Lower Upper

165 100

63 1.7 49.5 74.3#

89 2.0 49.0 73.4#

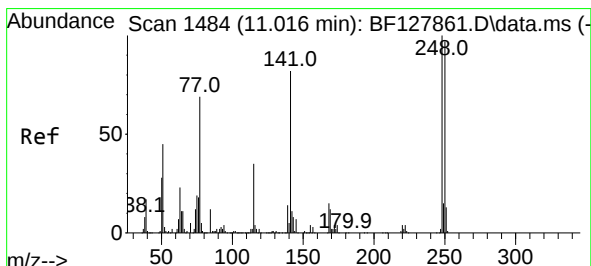
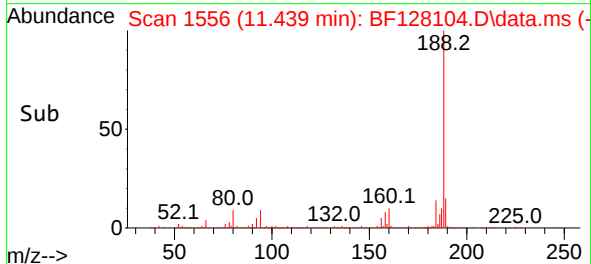
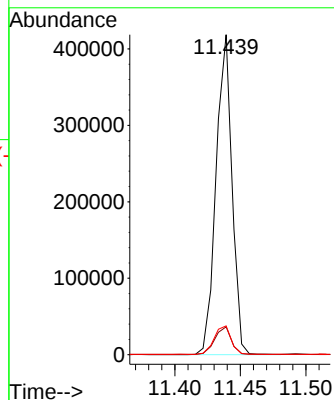
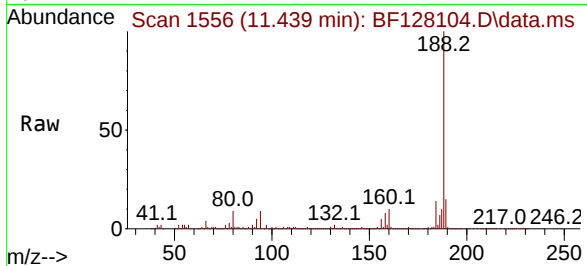




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128104.D
Acq: 05 May 2022 19:52

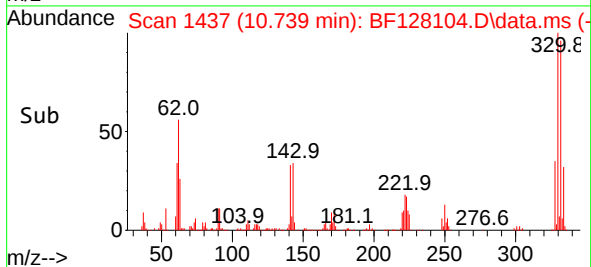
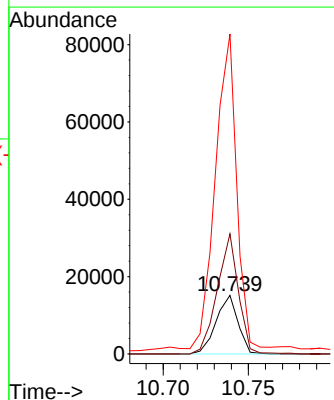
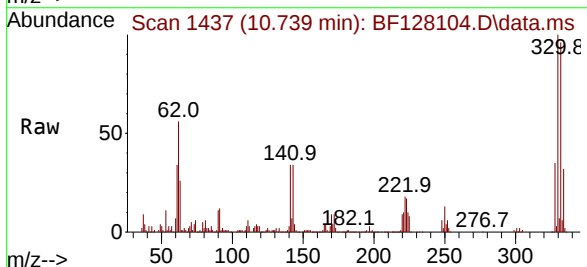
Instrument :
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ClientSampleId :
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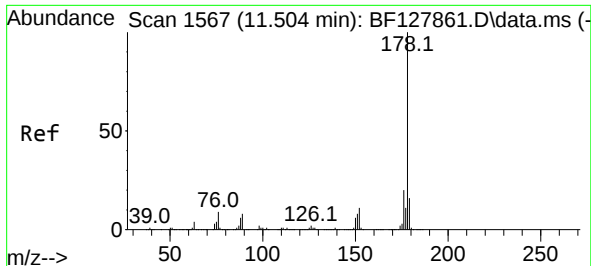
Tgt Ion:188 Resp: 353721
Ion Ratio Lower Upper
188 100
94 8.7 8.0 12.0
80 9.0 8.9 13.3



#67
4-Bromophenyl-phenylether
Concen: 3.446 ng
RT: 10.739 min Scan# 1437
Delta R.T. -0.247 min
Lab File: BF128104.D
Acq: 05 May 2022 19:52

Tgt Ion:248 Resp: 13514
Ion Ratio Lower Upper
248 100
250 205.4 77.7 116.5#
141 546.8 65.6 98.4#

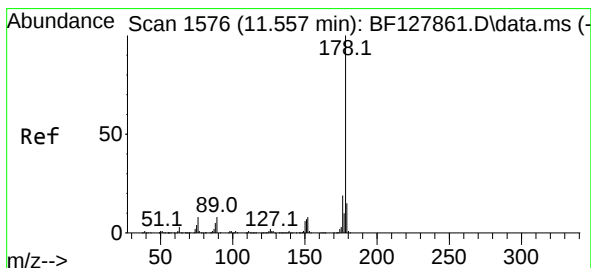
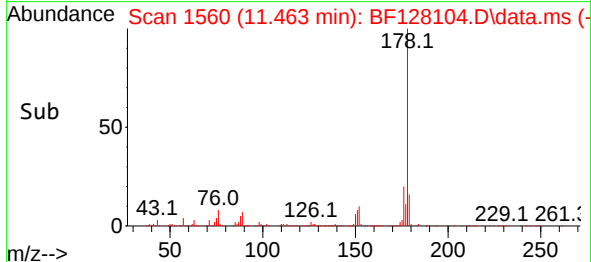
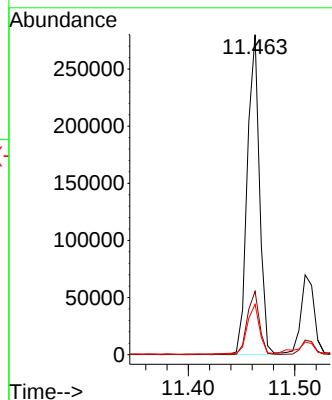
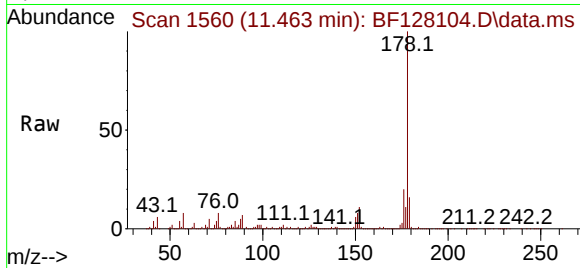




#71
Phenanthrene
Concen: 12.060 ng
RT: 11.463 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BF128104.D
Acq: 05 May 2022 19:52

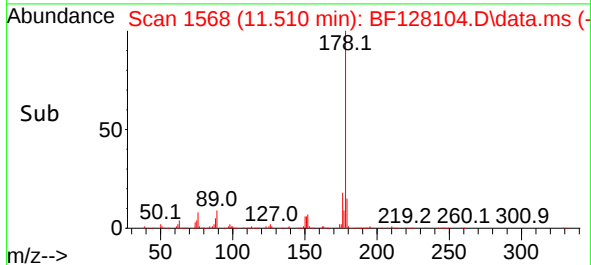
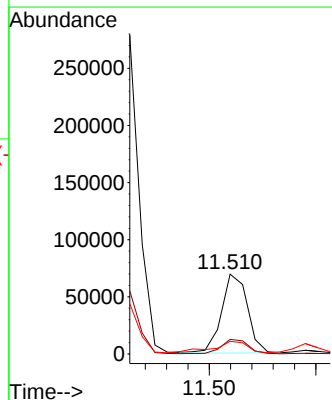
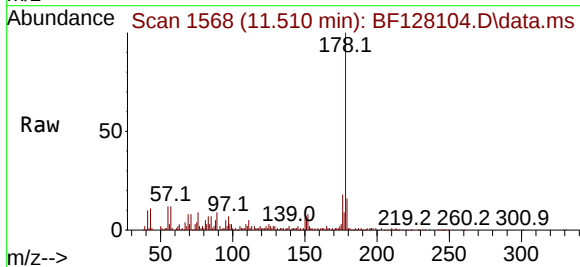
Instrument :
BNA_F
ClientSampleId :
06

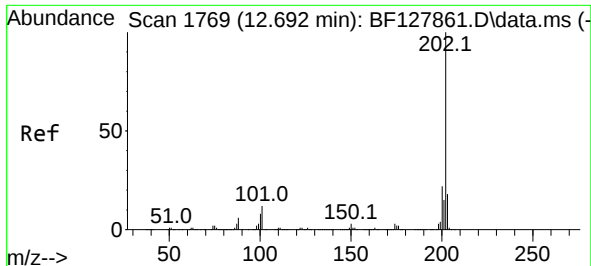
Tgt Ion:178 Resp: 223294
Ion Ratio Lower Upper
178 100
176 19.8 15.7 23.5
179 15.8 12.6 19.0



#72
Anthracene
Concen: 3.171 ng
RT: 11.510 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF128104.D
Acq: 05 May 2022 19:52

Tgt Ion:178 Resp: 58489
Ion Ratio Lower Upper
178 100
176 18.3 15.0 22.6
179 15.8 12.4 18.6

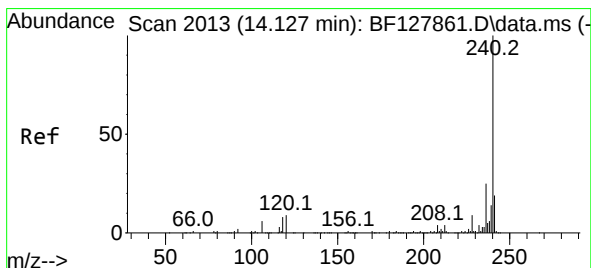
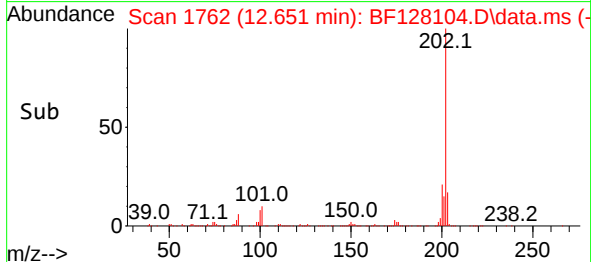
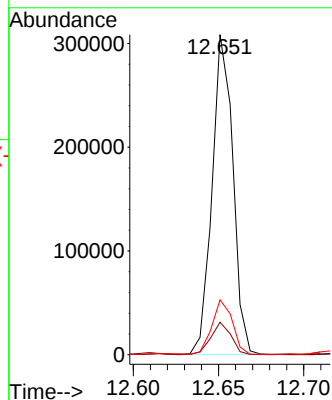
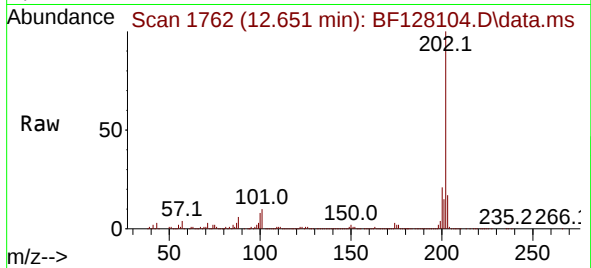




#75
Fluoranthene
Concen: 13.398 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF128104.D
Acq: 05 May 2022 19:52

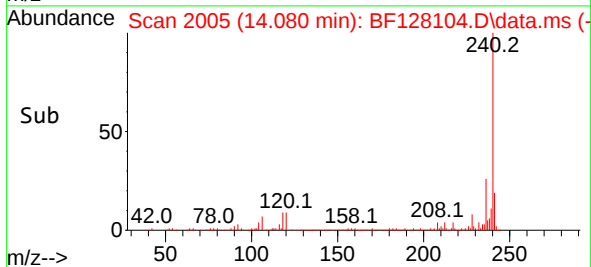
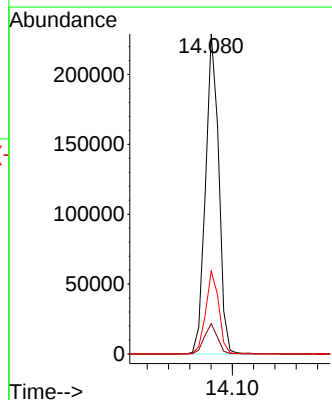
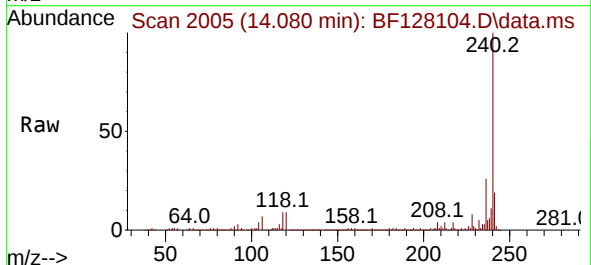
Instrument :
BNA_F
ClientSampleId :
06

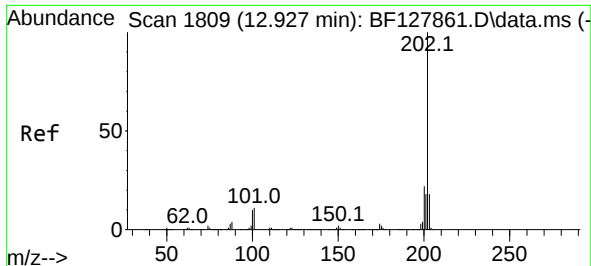
Tgt Ion:202 Resp: 261083
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.6
203 17.2 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2005
Delta R.T. -0.012 min
Lab File: BF128104.D
Acq: 05 May 2022 19:52

Tgt Ion:240 Resp: 198219
Ion Ratio Lower Upper
240 100
120 9.4 7.0 10.6
236 25.9 20.3 30.5

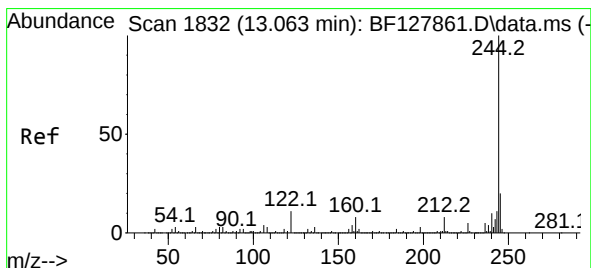
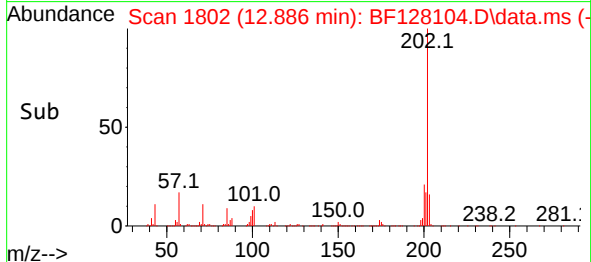
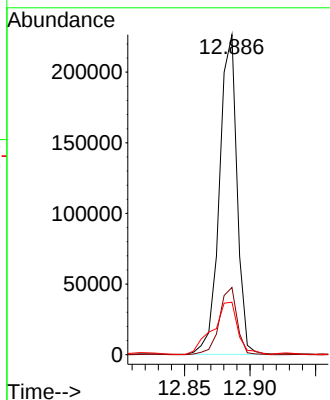
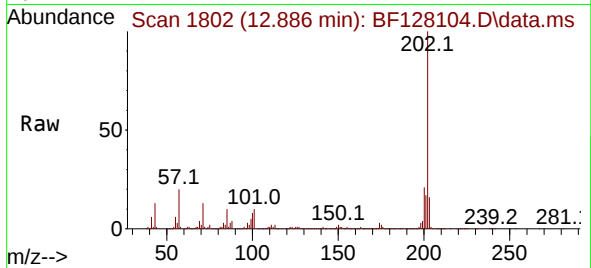




#78
 Pyrene
 Concen: 13.188 ng
 RT: 12.886 min Scan# 1802
 Delta R.T. -0.006 min
 Lab File: BF128104.D
 Acq: 05 May 2022 19:52

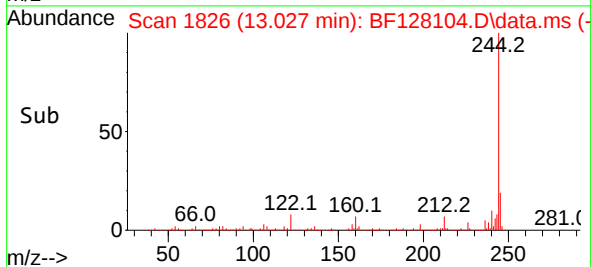
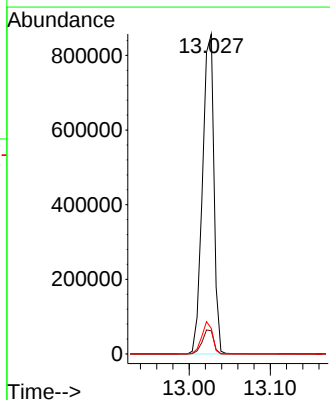
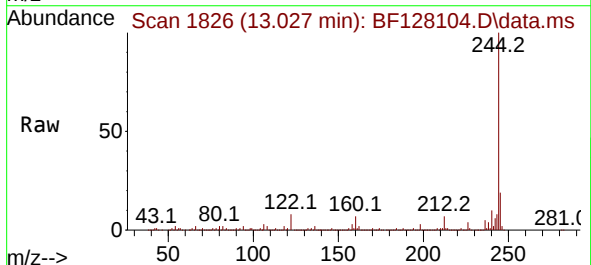
Instrument :
 BNA_F
 ClientSampleId :
 06

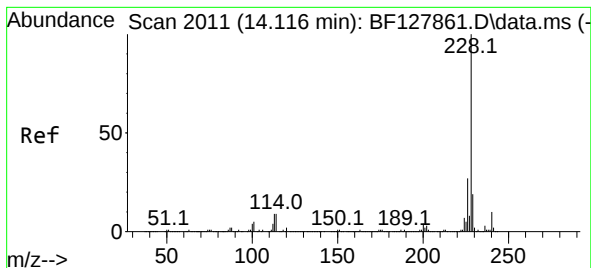
Tgt Ion:202 Resp: 211024
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.4 26.2
 203 16.4 14.0 21.0



#79
 Terphenyl-d14
 Concen: 77.110 ng
 RT: 13.027 min Scan# 1826
 Delta R.T. -0.006 min
 Lab File: BF128104.D
 Acq: 05 May 2022 19:52

Tgt Ion:244 Resp: 835882
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.4
 122 7.9 8.6 12.8#





#81

Benzo(a)anthracene

Concen: 5.458 ng

RT: 14.068 min Scan# 2009

Delta R.T. -0.012 min

Lab File: BF128104.D

Acq: 05 May 2022 19:52

Instrument :

BNA_F

ClientSampleId :

06

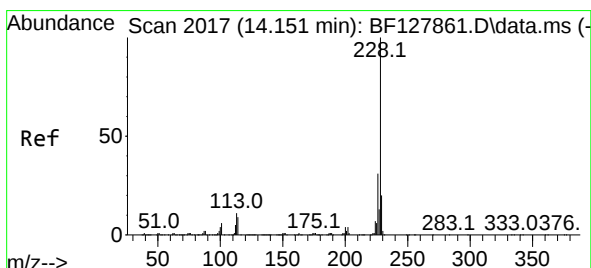
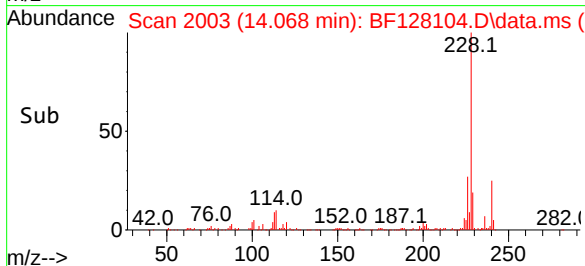
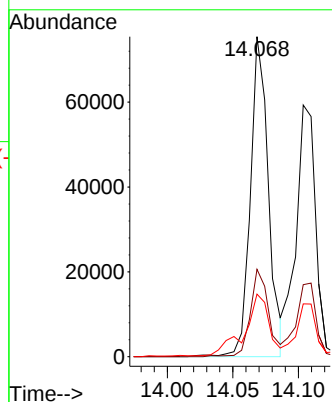
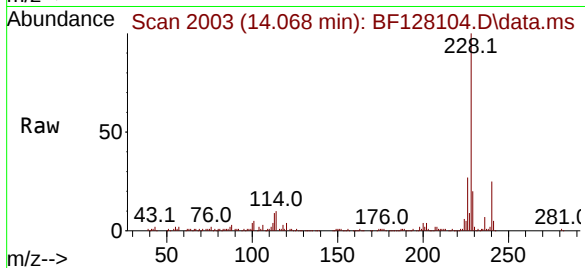
Tgt Ion:228 Resp: 72109

Ion Ratio Lower Upper

228 100

226 27.3 21.7 32.5

229 19.6 15.4 23.2



#83

Chrysene

Concen: 4.912 ng

RT: 14.104 min Scan# 2009

Delta R.T. -0.018 min

Lab File: BF128104.D

Acq: 05 May 2022 19:52

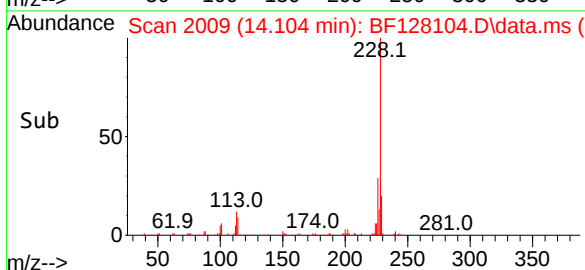
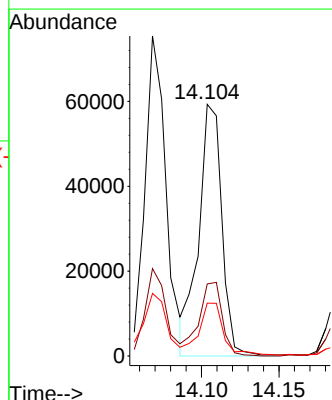
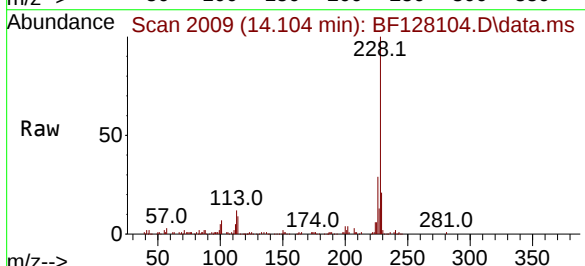
Tgt Ion:228 Resp: 61981

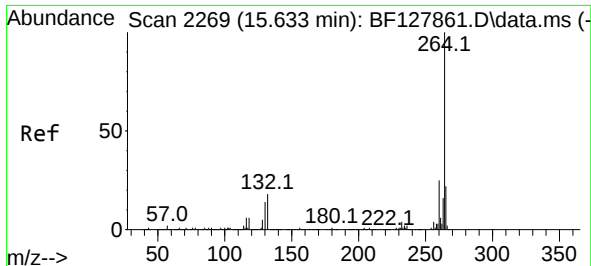
Ion Ratio Lower Upper

228 100

226 28.6 24.4 36.6

229 21.0 15.8 23.8

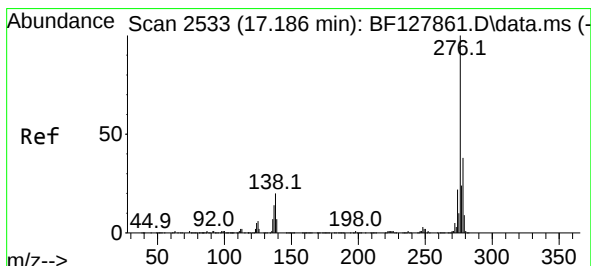
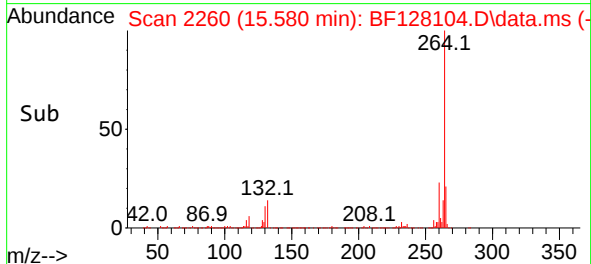
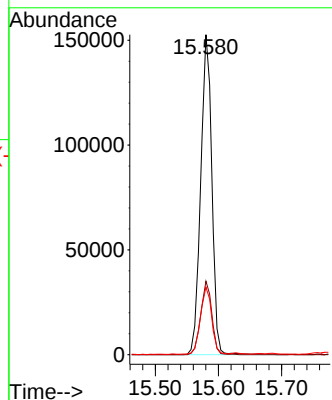
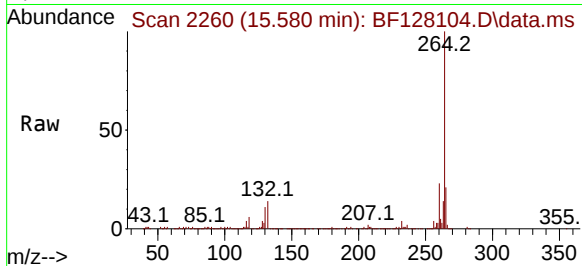




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF128104.D
Acq: 05 May 2022 19:52

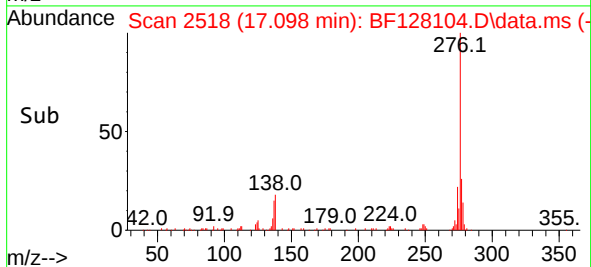
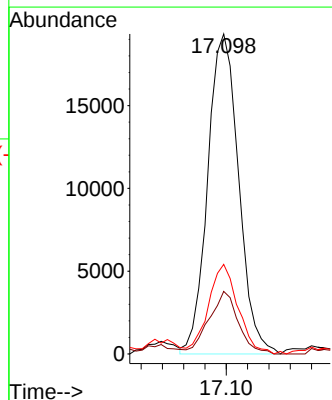
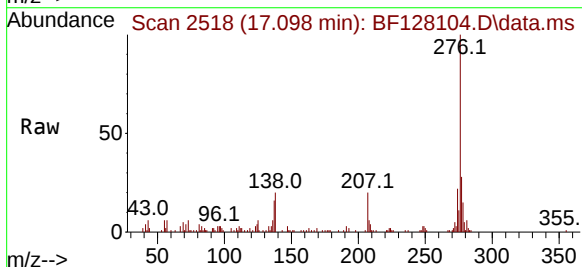
Instrument :
BNA_F
ClientSampleId :
06

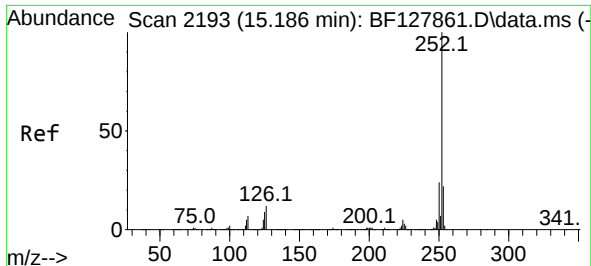
Tgt Ion:264 Resp: 186761
Ion Ratio Lower Upper
264 100
260 23.0 20.1 30.1
265 21.1 17.5 26.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.128 ng
RT: 17.098 min Scan# 2518
Delta R.T. -0.029 min
Lab File: BF128104.D
Acq: 05 May 2022 19:52

Tgt Ion:276 Resp: 38997
Ion Ratio Lower Upper
276 100
138 18.5 19.0 28.4#
277 26.9 20.1 30.1

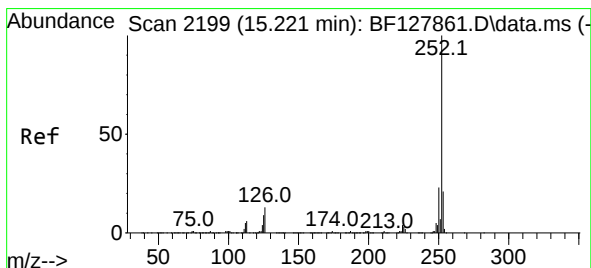
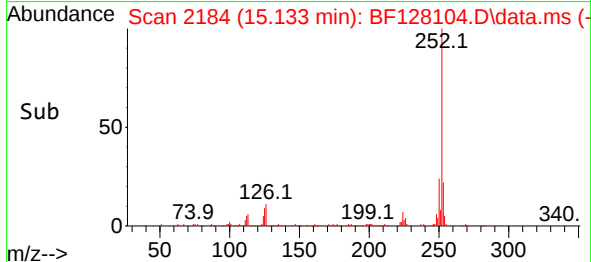
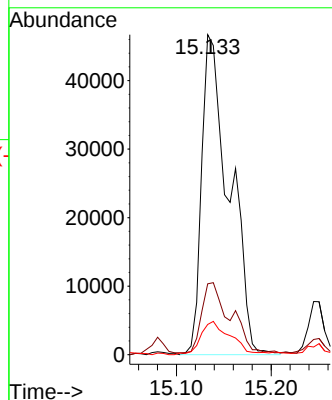
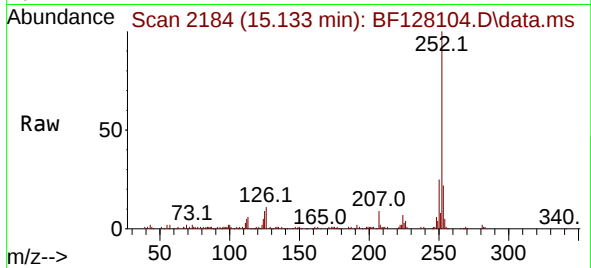




#88
Benzo(b)fluoranthene
Concen: 8.068 ng
RT: 15.133 min Scan# 2184
Delta R.T. -0.018 min
Lab File: BF128104.D
Acq: 05 May 2022 19:52

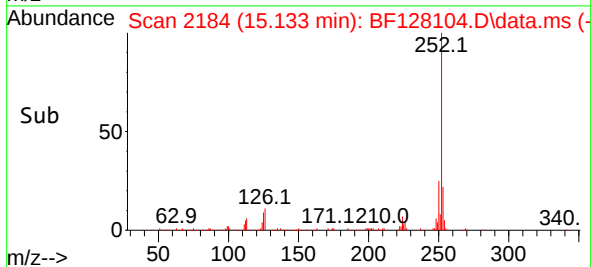
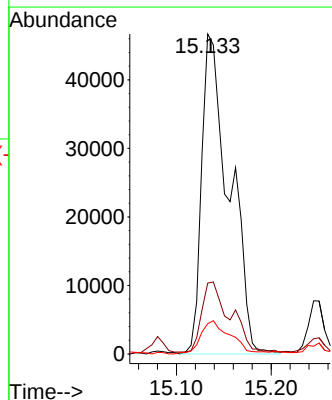
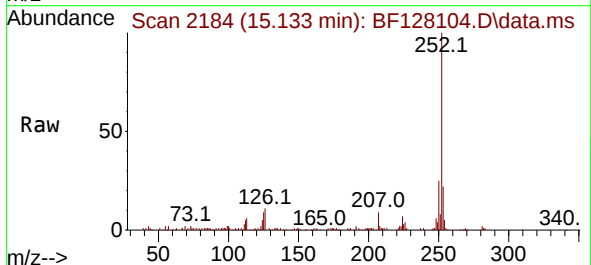
Instrument :
BNA_F
ClientSampleId :
06

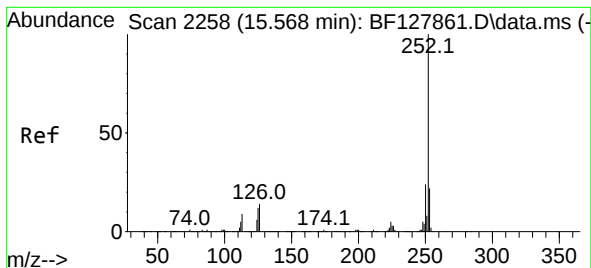
Tgt Ion:252 Resp: 94642
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.2
125 9.5 7.4 11.2



#89
Benzo(k)fluoranthene
Concen: 8.008 ng
RT: 15.133 min Scan# 2184
Delta R.T. -0.047 min
Lab File: BF128104.D
Acq: 05 May 2022 19:52

Tgt Ion:252 Resp: 94642
Ion Ratio Lower Upper
252 100
253 22.1 17.0 25.4
125 9.5 6.8 10.2





#90

Benzo(a)pyrene

Concen: 5.574 ng

RT: 15.515 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF128104.D

Acq: 05 May 2022 19:52

Instrument :

BNA_F

ClientSampleId :

06

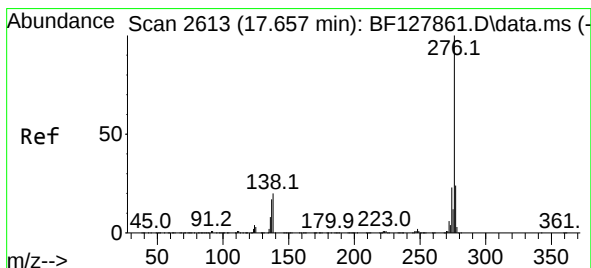
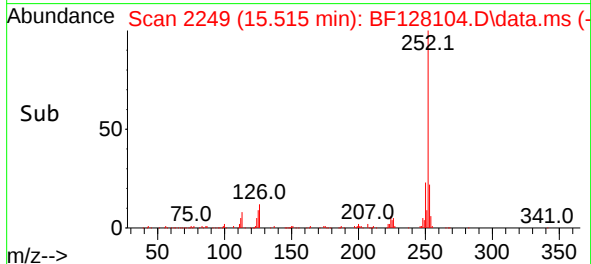
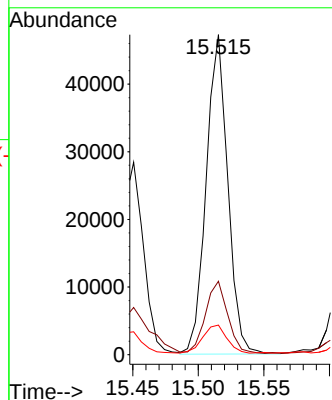
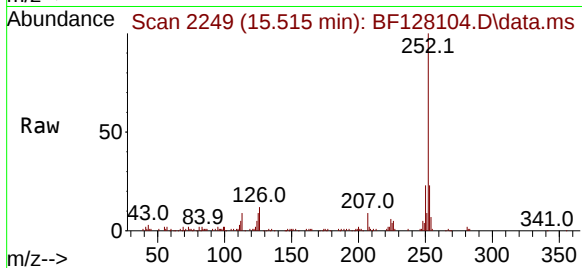
Tgt Ion:252 Resp: 54237

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

125 9.3 9.2 13.8



#92

Benzo(g,h,i)perylene

Concen: 3.804 ng

RT: 17.562 min Scan# 2597

Delta R.T. -0.035 min

Lab File: BF128104.D

Acq: 05 May 2022 19:52

Tgt Ion:276 Resp: 40083

Ion Ratio Lower Upper

276 100

277 22.8 18.8 28.2

138 17.6 16.2 24.2

