

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051022\
 Data File : BF128158.D
 Acq On : 10 May 2022 13:58
 Operator : CG\JU
 Sample : N2749-10
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: May 11 03:59:59 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 15:30:11 2022
 Response via : Initial Calibration

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

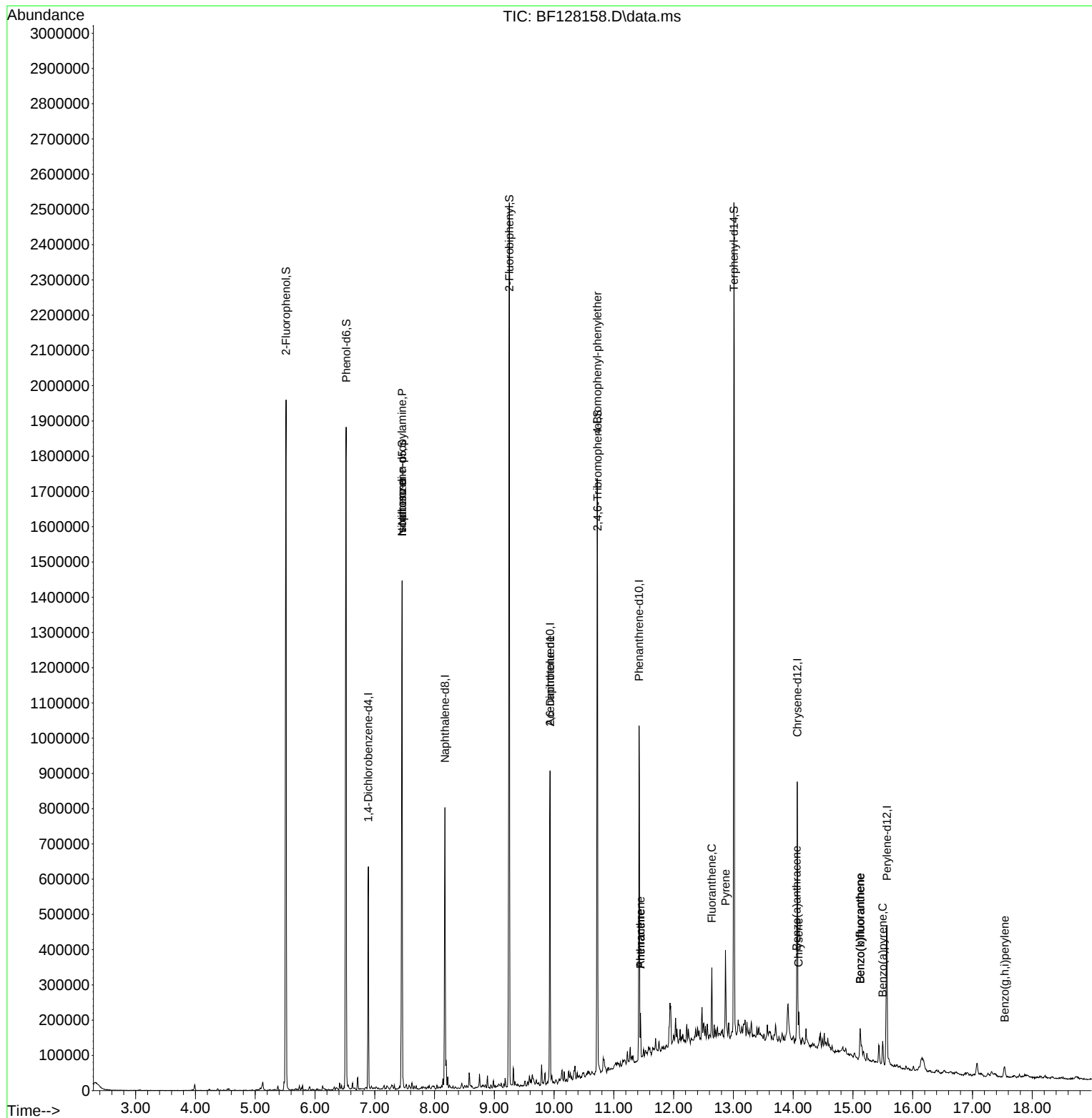
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	83019	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	321668	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	184423	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	339142	20.000	ng	0.00
76) Chrysene-d12	14.068	240	226124	20.000	ng	-0.01
86) Perylene-d12	15.568	264	190107	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	505940	97.151	ng	0.00
7) Phenol-d6	6.522	99	672136	97.579	ng	0.00
23) Nitrobenzene-d5	7.457	82	479122	67.022	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	201198	95.124	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	755904	64.133	ng	0.00
79) Terphenyl-d14	13.010	244	806491	66.924	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.445	77	1985	Below Cal	#	57
19) n-Nitroso-di-n-propyla...	7.457	70	65528	15.448	ng	# 78
25) Isophorone	7.457	82	477768	42.629	ng	# 68
51) 2,6-Dinitrotoluene	9.933	165	24879	9.530	ng	# 21
67) 4-Bromophenyl-phenylether	10.722	248	12446	3.411	ng	# 1
71) Phenanthrene	11.445	178	42835	2.537	ng	99
72) Anthracene	11.445	178	42835	2.541	ng	98
75) Fluoranthene	12.639	202	61769	3.374	ng	98
78) Pyrene	12.869	202	82872	5.054	ng	99
81) Benzo(a)anthracene	14.057	228	33860	2.344	ng	# 87
83) Chrysene	14.092	228	40216	2.918	ng	# 95
88) Benzo(b)fluoranthene	15.121	252	53179	4.513	ng	# 90
89) Benzo(k)fluoranthene	15.121	252	53179	4.571	ng	# 88
90) Benzo(a)pyrene	15.498	252	28299	2.974	ng	98
92) Benzo(g,h,i)perylene	17.539	276	25740	2.731	ng	95

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

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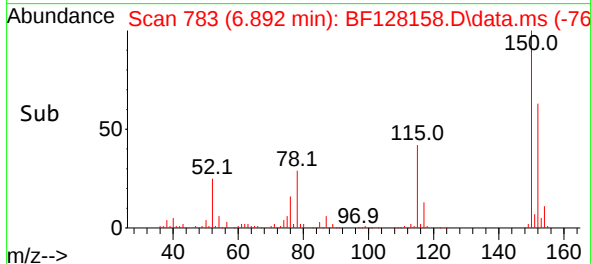
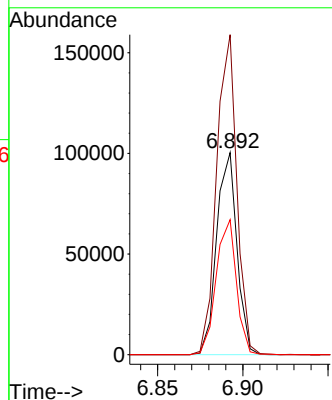
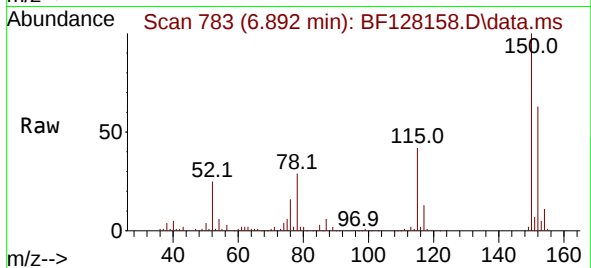




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128158.D
Acq: 10 May 2022 13:58

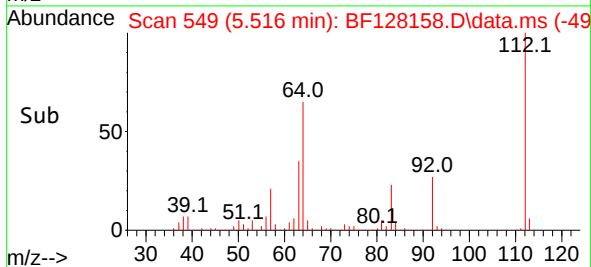
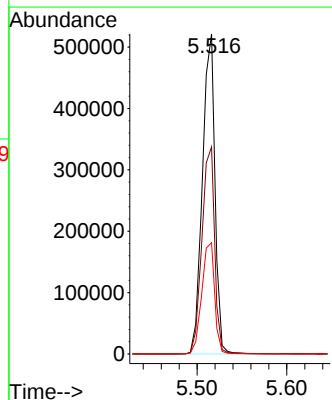
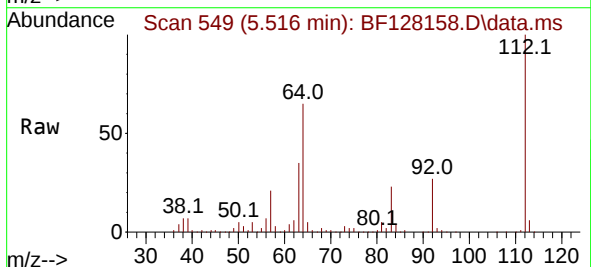
Instrument :
BNA_F
ClientSampleId :
TP-4

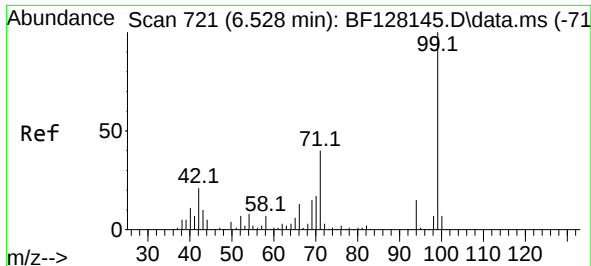
Tgt Ion:152 Resp: 83019
Ion Ratio Lower Upper
152 100
150 158.3 125.3 187.9
115 66.9 48.8 73.2



#5
2-Fluorophenol
Concen: 97.151 ng
RT: 5.516 min Scan# 549
Delta R.T. 0.000 min
Lab File: BF128158.D
Acq: 10 May 2022 13:58

Tgt Ion:112 Resp: 505940
Ion Ratio Lower Upper
112 100
64 64.7 49.5 74.3
63 34.7 26.3 39.5

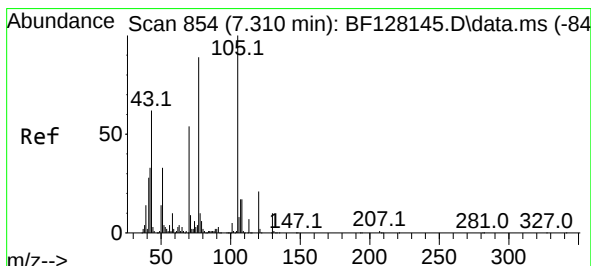
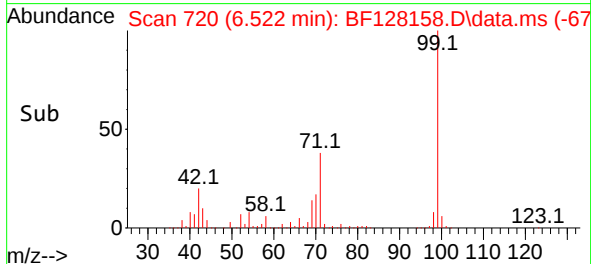
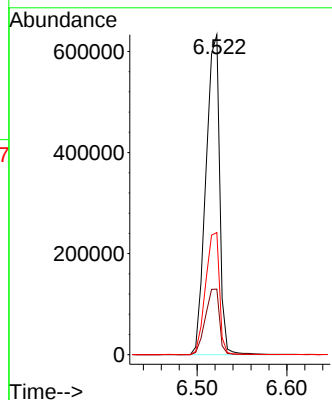
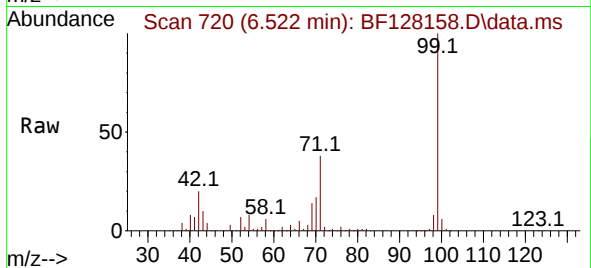




#7
Phenol-d6
Concen: 97.579 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128158.D
Acq: 10 May 2022 13:58

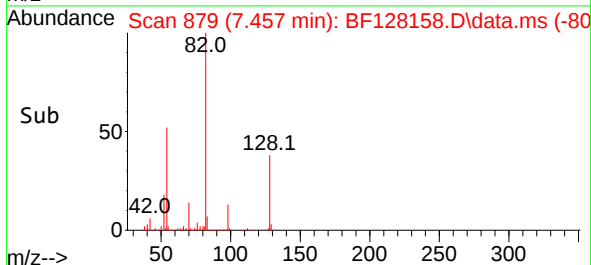
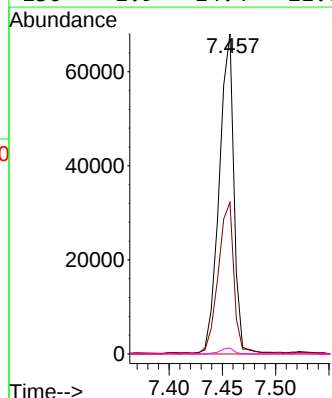
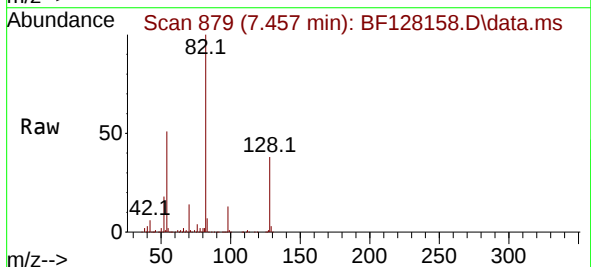
Instrument :
BNA_F
ClientSampleId :
TP-4

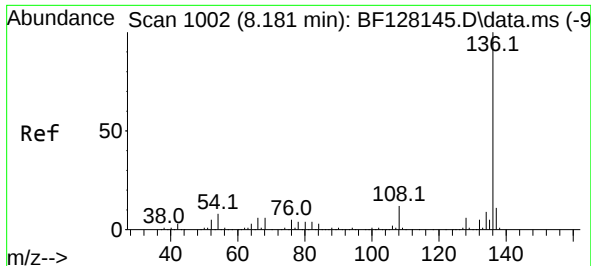
Tgt Ion: 99 Resp: 672136
Ion Ratio Lower Upper
99 100
42 20.5 16.6 24.8
71 38.1 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 15.448 ng
RT: 7.457 min Scan# 879
Delta R.T. 0.147 min
Lab File: BF128158.D
Acq: 10 May 2022 13:58

Tgt Ion: 70 Resp: 65528
Ion Ratio Lower Upper
70 100
42 47.4 48.7 73.1#
101 0.0 7.2 10.8#
130 1.9 14.4 21.6#



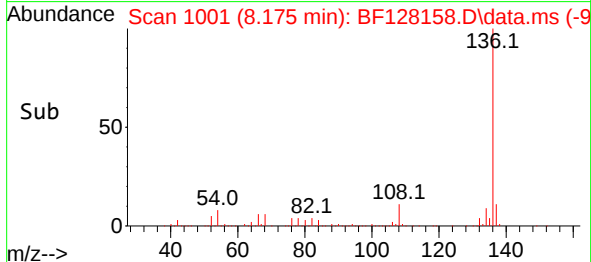
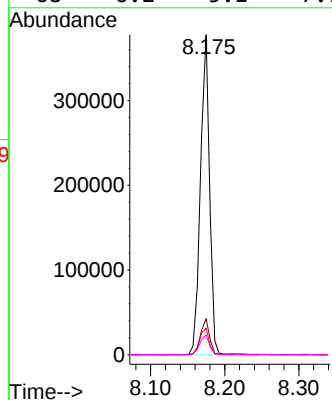
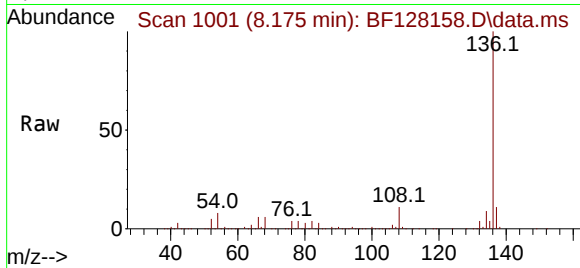


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF128158.D
Acq: 10 May 2022 13:58

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:136 Resp: 321668

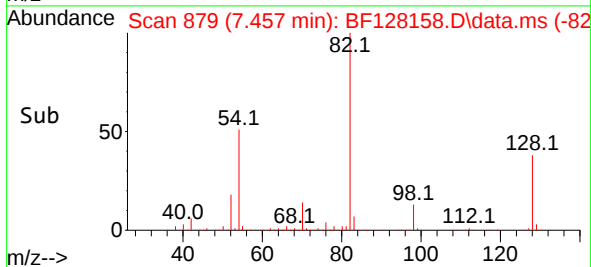
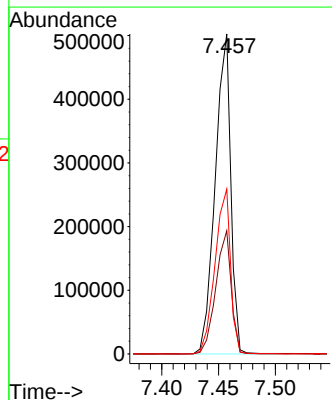
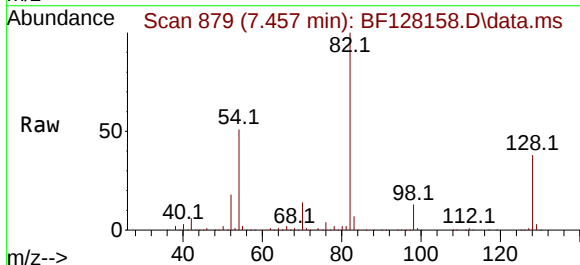
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	8.2	6.8	10.2
68	6.2	5.1	7.7



#23
Nitrobenzene-d5
Concen: 67.022 ng
RT: 7.457 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF128158.D
Acq: 10 May 2022 13:58

Tgt Ion: 82 Resp: 479122

Ion	Ratio	Lower	Upper
82	100		
128	38.5	30.0	45.0
54	51.5	41.3	61.9

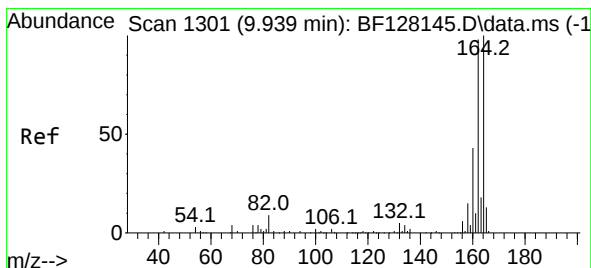
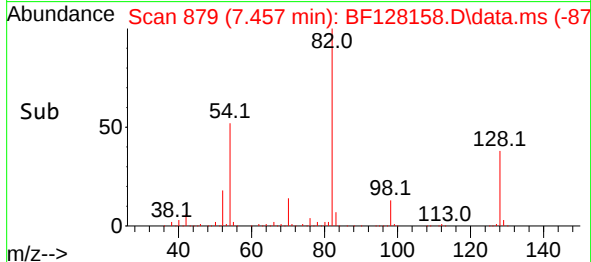
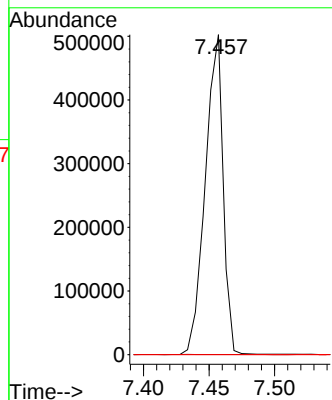
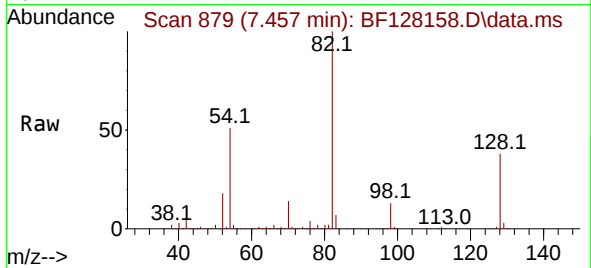




#25
Isophorone
Concen: 42.629 ng
RT: 7.457 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF128158.D
Acq: 10 May 2022 13:58

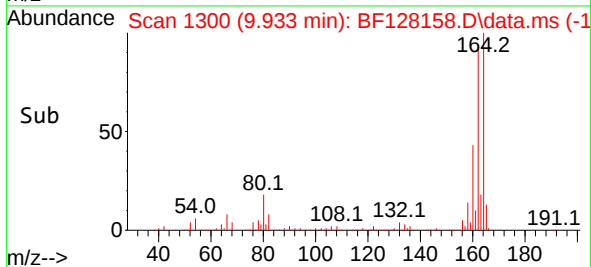
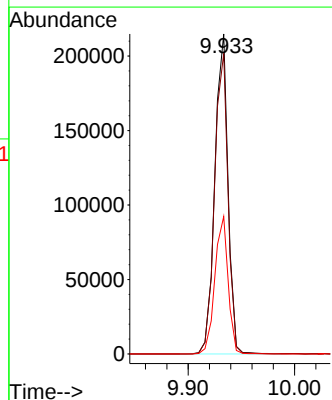
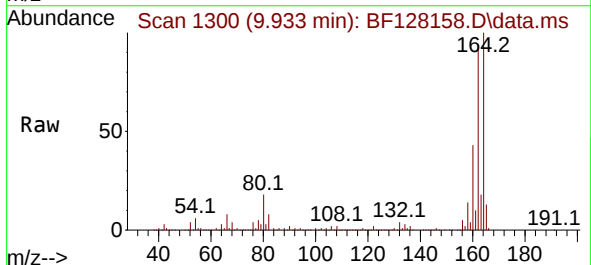
Instrument :
BNA_F
ClientSampleId :
TP-4

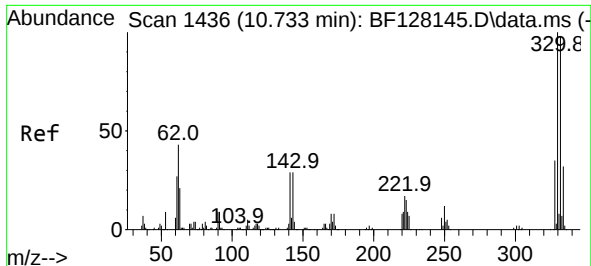
Tgt Ion: 82 Resp: 477768
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BF128158.D
Acq: 10 May 2022 13:58

Tgt Ion:164 Resp: 184423
Ion Ratio Lower Upper
164 100
162 93.9 76.0 114.0
160 43.0 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 95.124 ng

RT: 10.728 min Scan# 1435

Delta R.T. -0.006 min

Lab File: BF128158.D

Acq: 10 May 2022 13:58

Instrument :

BNA_F

ClientSampleId :

TP-4

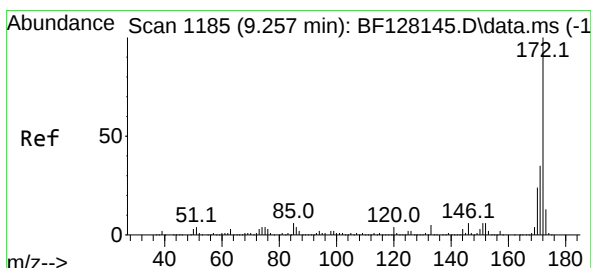
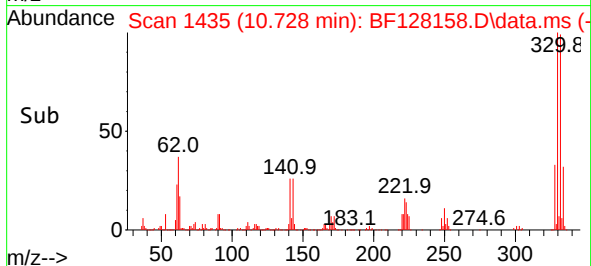
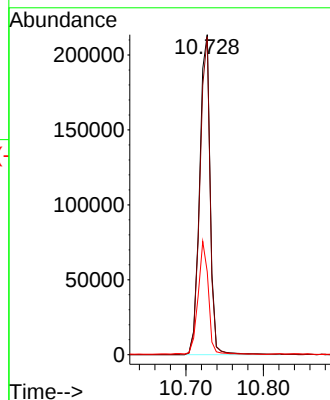
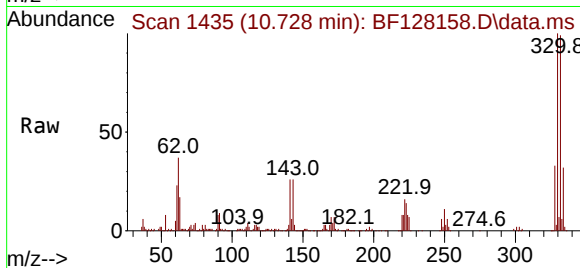
Tgt Ion:330 Resp: 201198

Ion Ratio Lower Upper

330 100

332 96.0 79.0 118.4

141 34.4 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 64.133 ng

RT: 9.251 min Scan# 1184

Delta R.T. -0.006 min

Lab File: BF128158.D

Acq: 10 May 2022 13:58

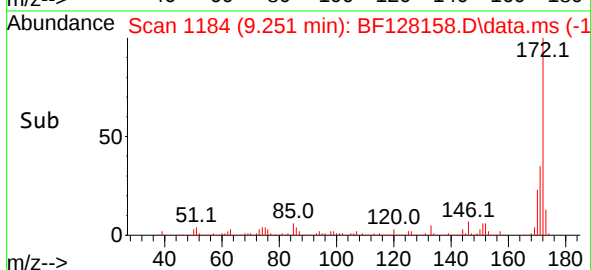
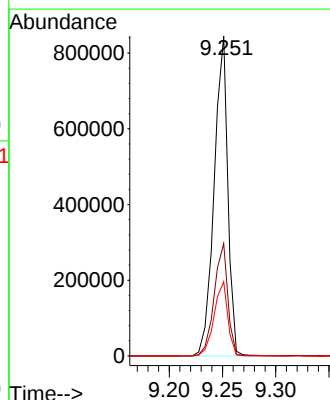
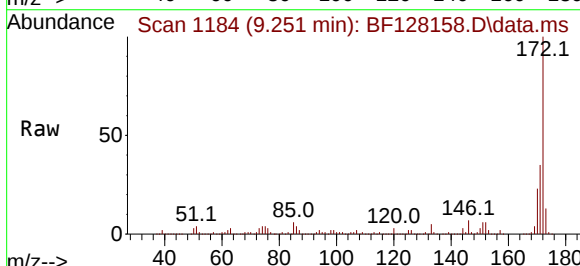
Tgt Ion:172 Resp: 755904

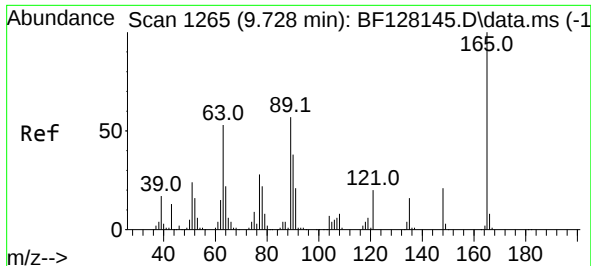
Ion Ratio Lower Upper

172 100

171 35.1 28.6 42.8

170 23.2 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 9.530 ng

RT: 9.933 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF128158.D

Acq: 10 May 2022 13:58

Instrument :

BNA_F

ClientSampleId :

TP-4

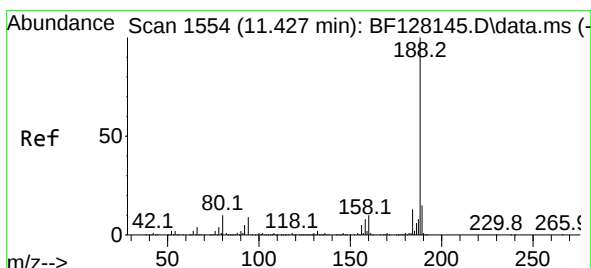
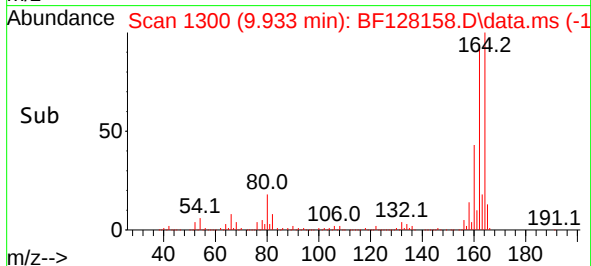
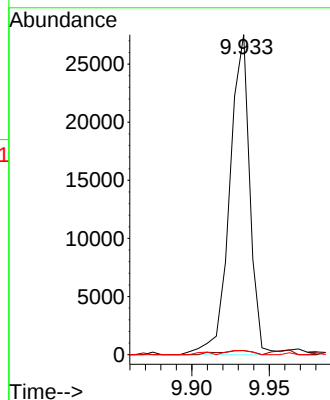
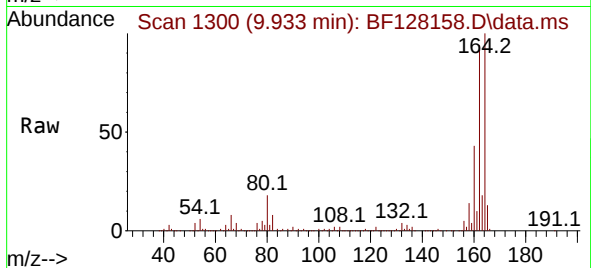
Tgt Ion:165 Resp: 24879

Ion Ratio Lower Upper

165 100

63 1.3 49.5 74.3#

89 1.3 49.0 73.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1553

Delta R.T. -0.006 min

Lab File: BF128158.D

Acq: 10 May 2022 13:58

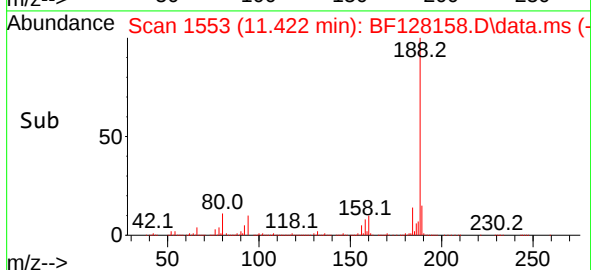
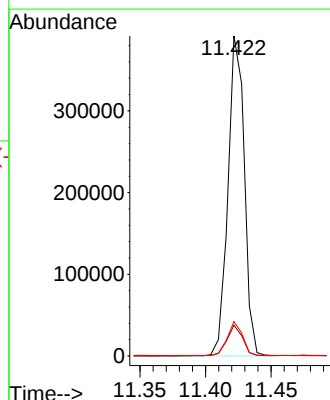
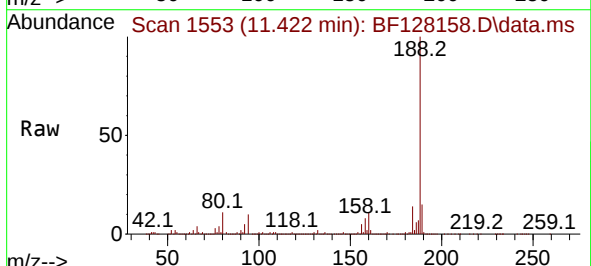
Tgt Ion:188 Resp: 339142

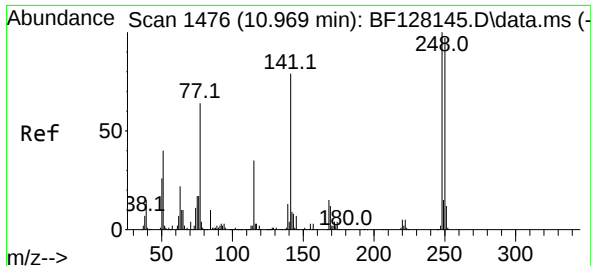
Ion Ratio Lower Upper

188 100

94 9.6 8.0 12.0

80 10.8 8.9 13.3





#67

4-Bromophenyl-phenylether

Concen: 3.411 ng

RT: 10.722 min Scan# 1476

Delta R.T. -0.247 min

Lab File: BF128158.D

Acq: 10 May 2022 13:58

Instrument :

BNA_F

ClientSampleId :

TP-4

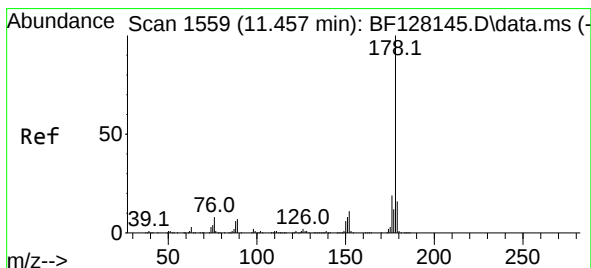
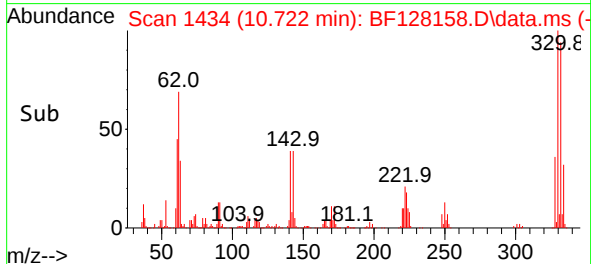
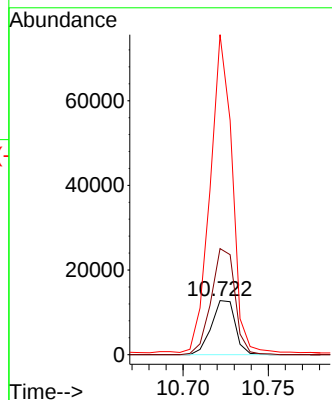
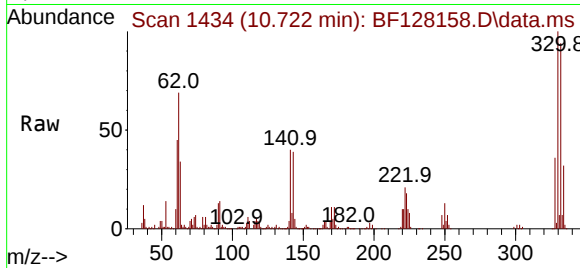
Tgt Ion:248 Resp: 12446

Ion Ratio Lower Upper

248 100

250 195.8 77.7 116.5#

141 590.9 65.6 98.4#



#71

Phenanthrene

Concen: 2.537 ng

RT: 11.445 min Scan# 1557

Delta R.T. -0.012 min

Lab File: BF128158.D

Acq: 10 May 2022 13:58

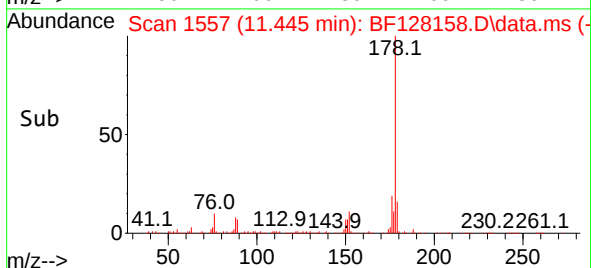
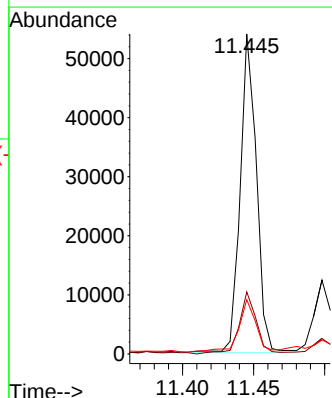
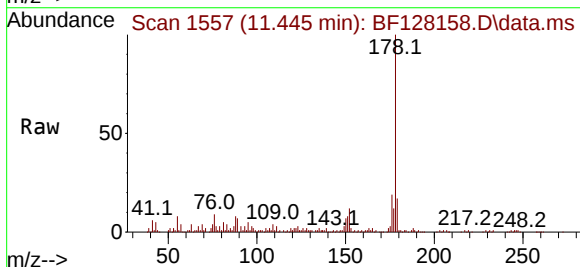
Tgt Ion:178 Resp: 42835

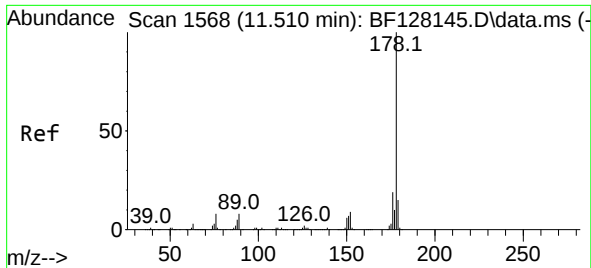
Ion Ratio Lower Upper

178 100

176 19.4 15.7 23.5

179 17.0 12.6 19.0

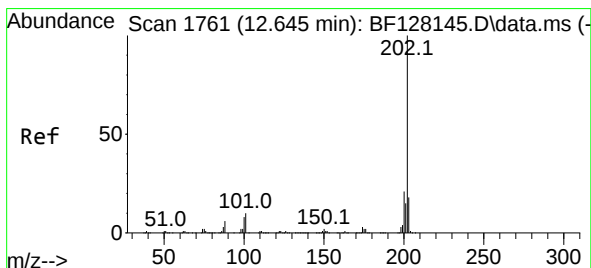
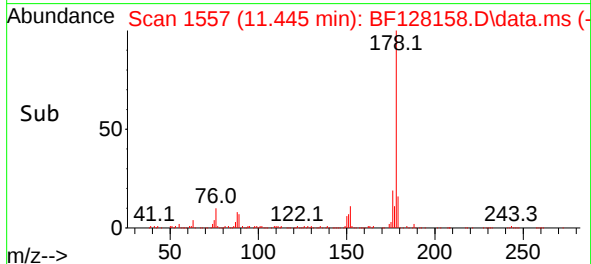
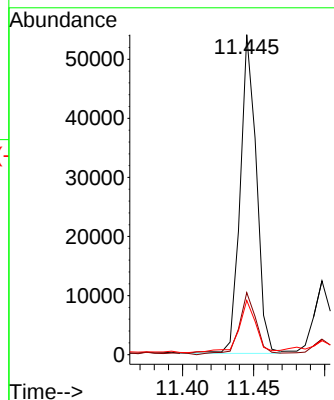
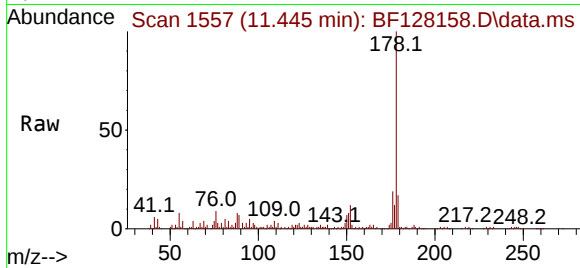




#72
 Anthracene
 Concen: 2.541 ng
 RT: 11.445 min Scan# 11
 Delta R.T. -0.065 min
 Lab File: BF128158.D
 Acq: 10 May 2022 13:58

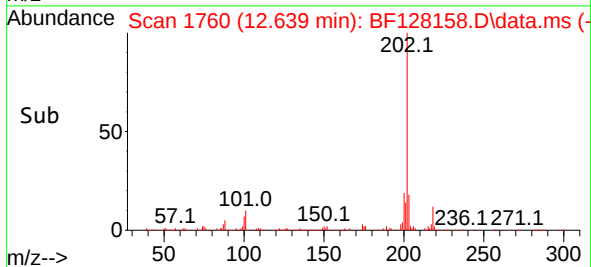
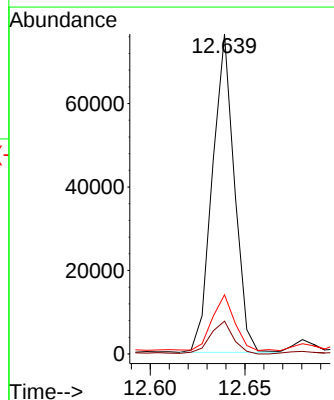
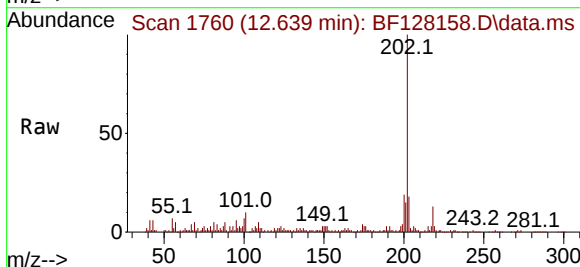
Instrument :
 BNA_F
 ClientSampleId :
 TP-4

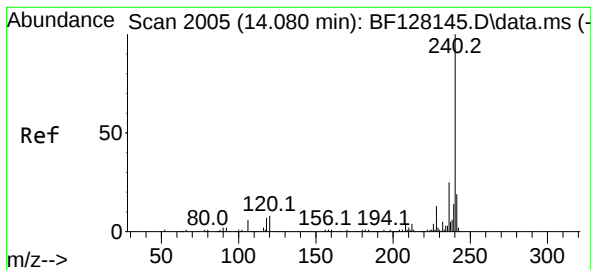
Tgt Ion:178 Resp: 42835
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.0 22.6
 179 17.0 12.4 18.6



#75
 Fluoranthene
 Concen: 3.374 ng
 RT: 12.639 min Scan# 1760
 Delta R.T. -0.006 min
 Lab File: BF128158.D
 Acq: 10 May 2022 13:58

Tgt Ion:202 Resp: 61769
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 31.6
 203 18.5 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.068 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF128158.D

Acq: 10 May 2022 13:58

Instrument :

BNA_F

ClientSampleId :

TP-4

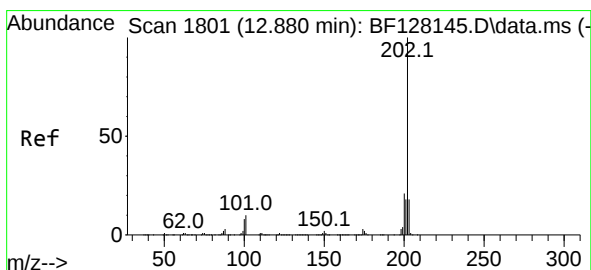
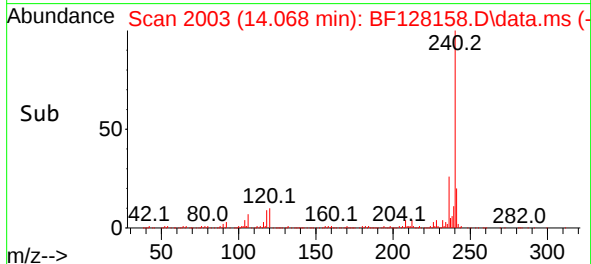
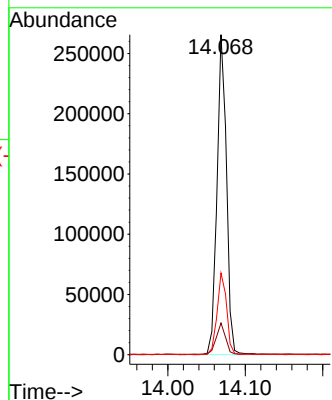
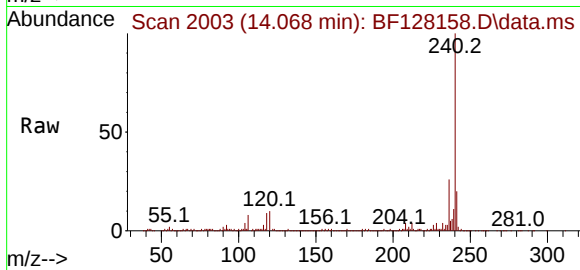
Tgt Ion:240 Resp: 226124

Ion Ratio Lower Upper

240 100

120 9.9 7.0 10.6

236 25.5 20.3 30.5



#78

Pyrene

Concen: 5.054 ng

RT: 12.869 min Scan# 1799

Delta R.T. -0.012 min

Lab File: BF128158.D

Acq: 10 May 2022 13:58

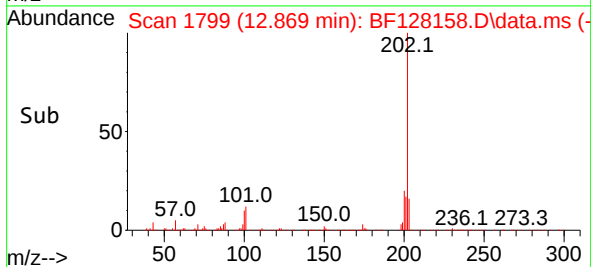
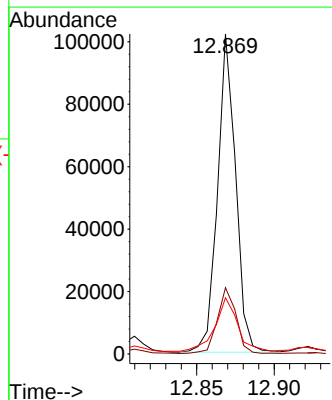
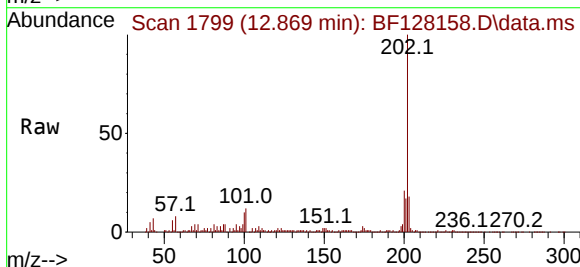
Tgt Ion:202 Resp: 82872

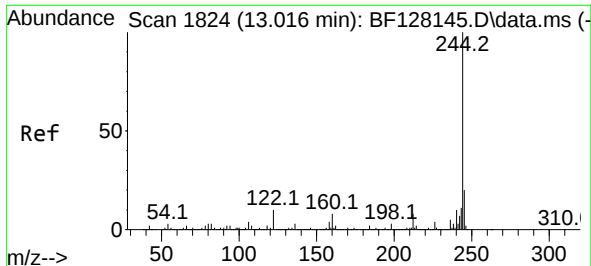
Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

203 17.6 14.0 21.0

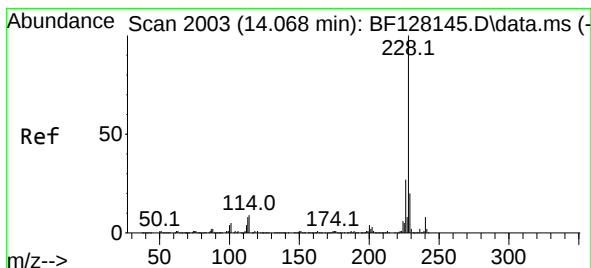
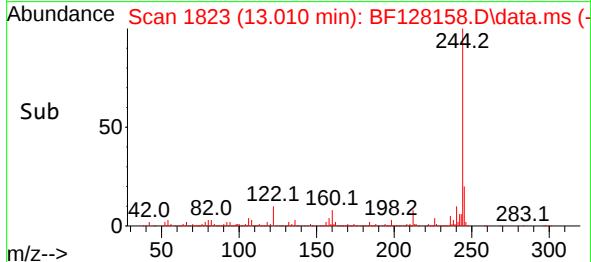
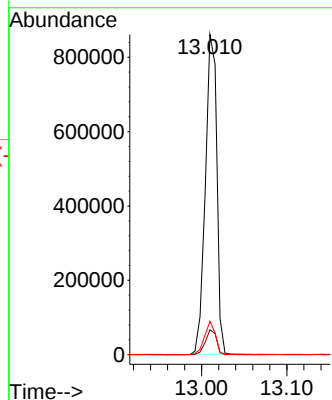
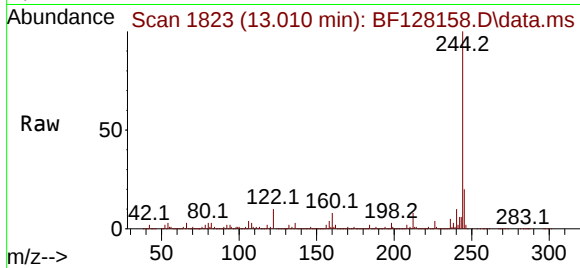




#79
 Terphenyl-d14
 Concen: 66.924 ng
 RT: 13.010 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128158.D
 Acq: 10 May 2022 13:58

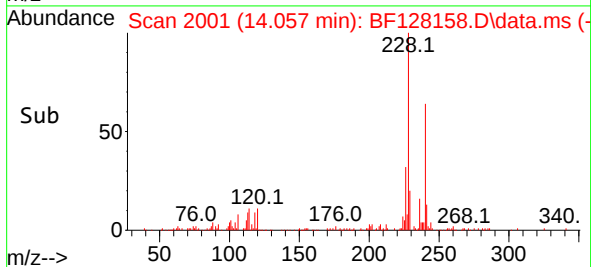
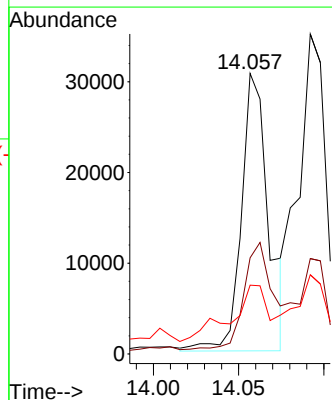
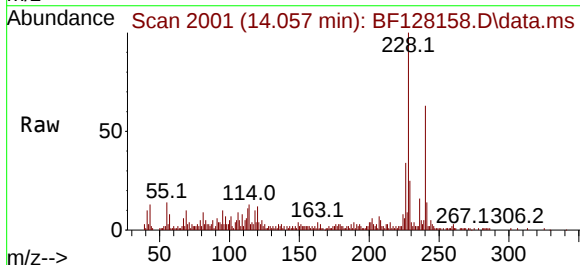
Instrument :
 BNA_F
 ClientSampleId :
 TP-4

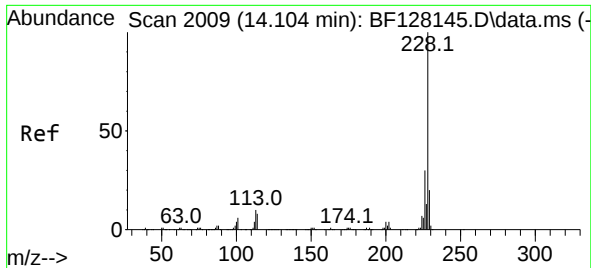
Tgt Ion:244 Resp: 806491
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.2 9.4
 122 10.4 8.6 12.8



#81
 Benzo(a)anthracene
 Concen: 2.344 ng
 RT: 14.057 min Scan# 2001
 Delta R.T. -0.012 min
 Lab File: BF128158.D
 Acq: 10 May 2022 13:58

Tgt Ion:228 Resp: 33860
 Ion Ratio Lower Upper
 228 100
 226 34.3 21.7 32.5#
 229 24.5 15.4 23.2#





#83

Chrysene

Concen: 2.918 ng

RT: 14.092 min Scan# 2009

Delta R.T. -0.012 min

Lab File: BF128158.D

Acq: 10 May 2022 13:58

Instrument :

BNA_F

ClientSampleId :

TP-4

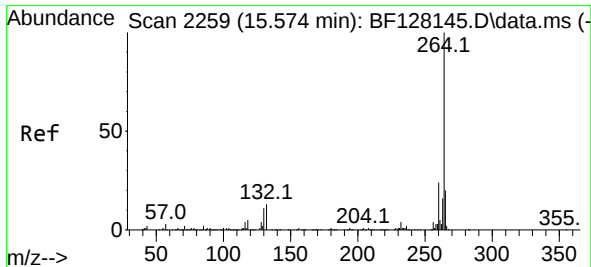
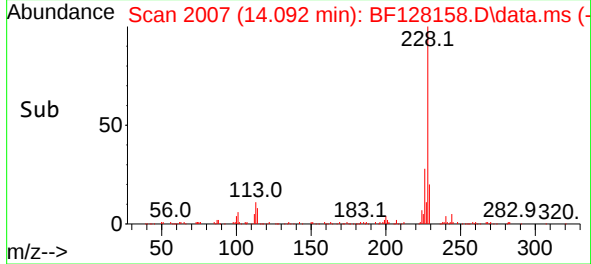
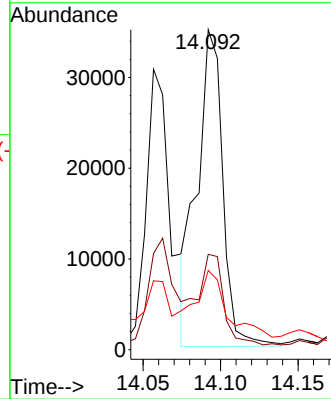
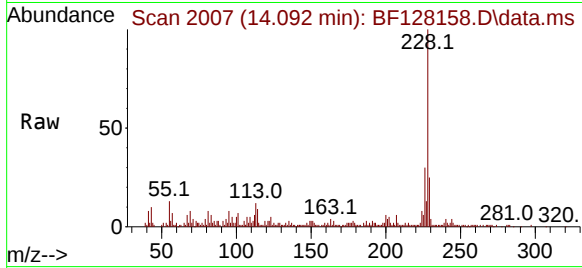
Tgt Ion:228 Resp: 40216

Ion Ratio Lower Upper

228 100

226 29.8 24.4 36.6

229 24.7 15.8 23.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 2258

Delta R.T. -0.006 min

Lab File: BF128158.D

Acq: 10 May 2022 13:58

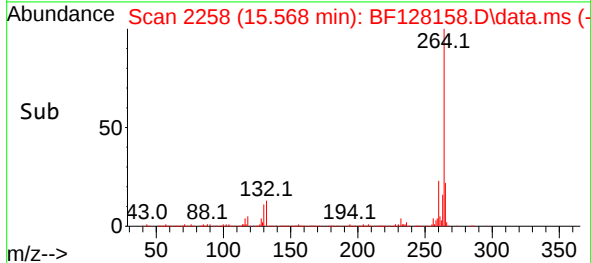
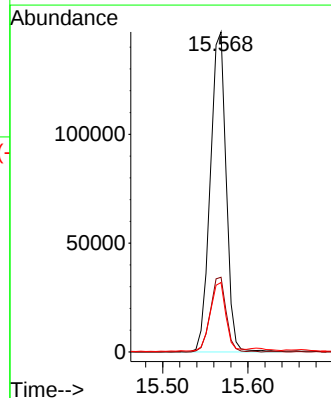
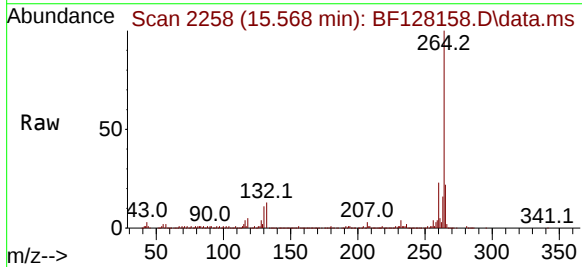
Tgt Ion:264 Resp: 190107

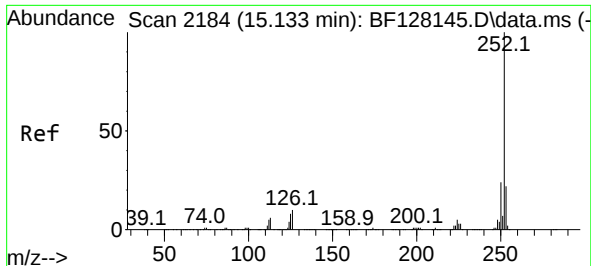
Ion Ratio Lower Upper

264 100

260 23.4 20.1 30.1

265 21.7 17.5 26.3

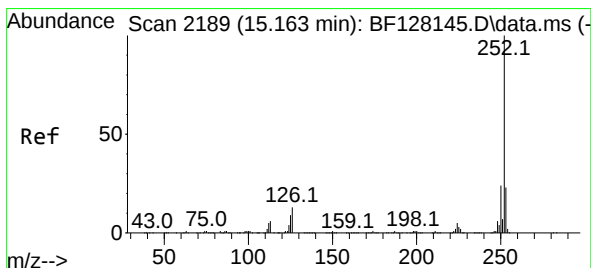
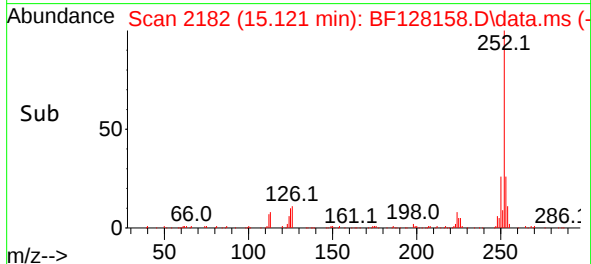
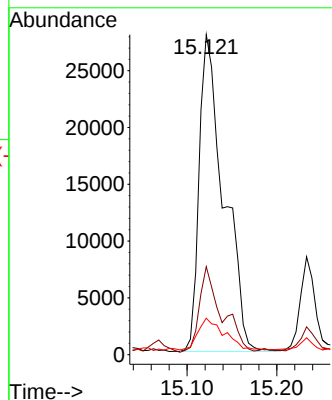
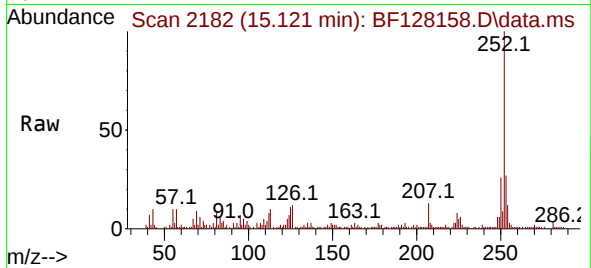




#88
Benzo(b)fluoranthene
Concen: 4.513 ng
RT: 15.121 min Scan# 2182
Delta R.T. -0.012 min
Lab File: BF128158.D
Acq: 10 May 2022 13:58

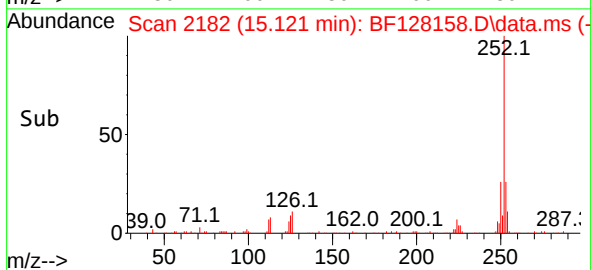
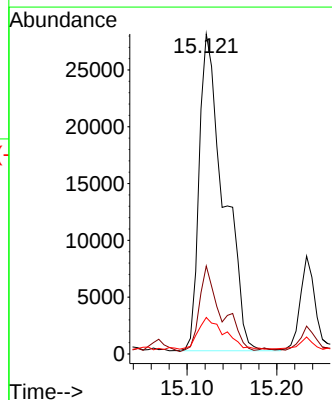
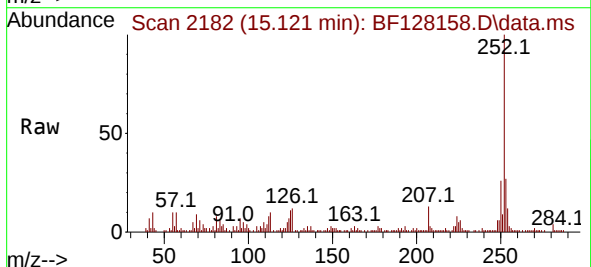
Instrument :
BNA_F
ClientSampleId :
TP-4

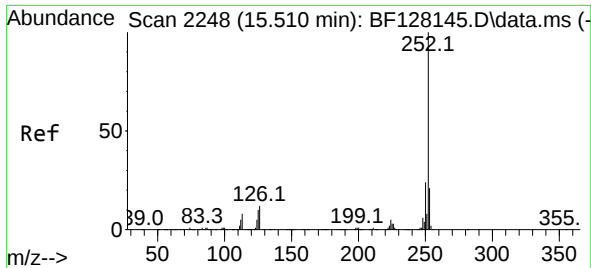
Tgt Ion:252 Resp: 53179
Ion Ratio Lower Upper
252 100
253 27.5 17.4 26.2#
125 11.4 7.4 11.2#



#89
Benzo(k)fluoranthene
Concen: 4.571 ng
RT: 15.121 min Scan# 2182
Delta R.T. -0.041 min
Lab File: BF128158.D
Acq: 10 May 2022 13:58

Tgt Ion:252 Resp: 53179
Ion Ratio Lower Upper
252 100
253 27.5 17.0 25.4#
125 11.4 6.8 10.2#

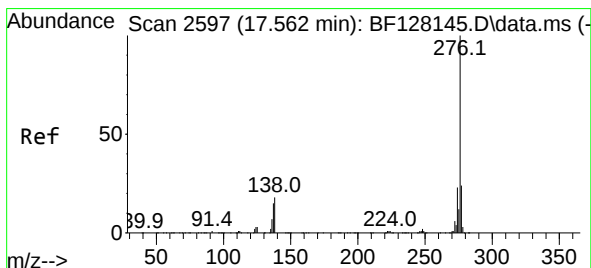
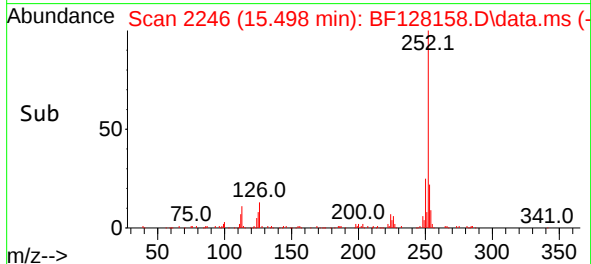
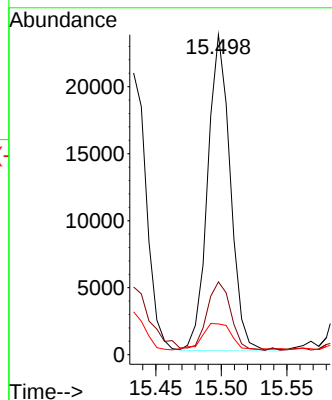
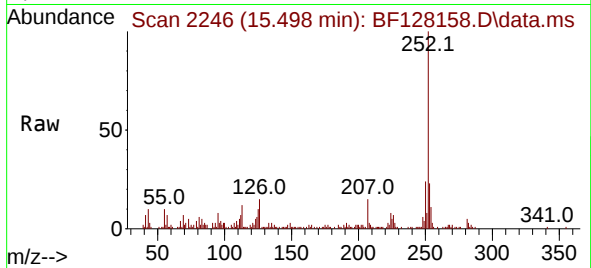




#90
Benzo(a)pyrene
Concen: 2.974 ng
RT: 15.498 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF128158.D
Acq: 10 May 2022 13:58

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:252 Resp: 28299
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 9.6 9.2 13.8



#92
Benzo(g,h,i)perylene
Concen: 2.731 ng
RT: 17.539 min Scan# 2593
Delta R.T. -0.024 min
Lab File: BF128158.D
Acq: 10 May 2022 13:58

Tgt Ion:276 Resp: 25740
Ion Ratio Lower Upper
276 100
277 27.2 18.8 28.2
138 18.9 16.2 24.2

