

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051322\
 Data File : BF128250.D
 Acq On : 13 May 2022 20:37
 Operator : CG\JU
 Sample : N2823-06 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-6

Quant Time: May 14 00:57:17 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 14 00:51:21 2022
 Response via : Initial Calibration

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

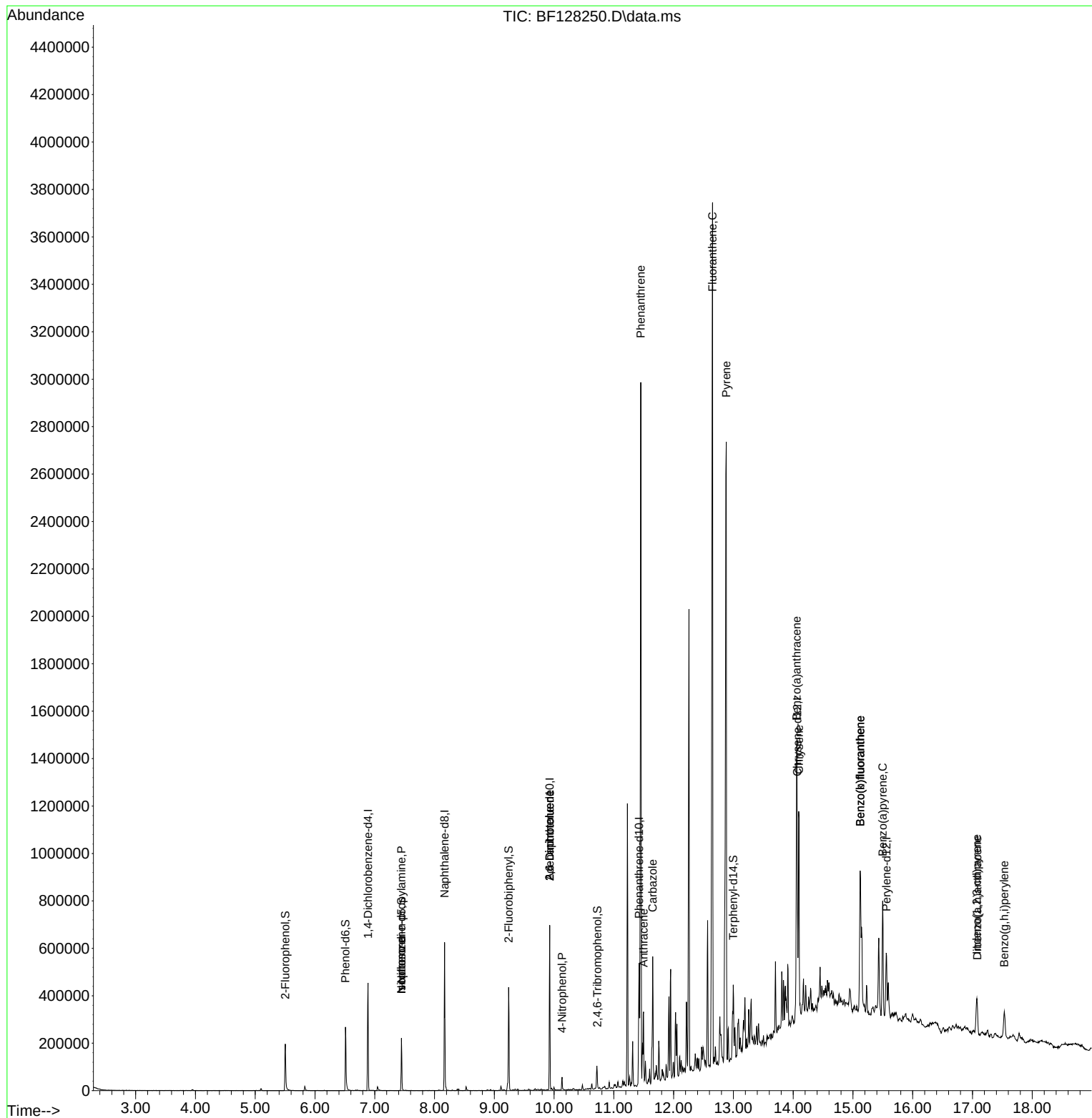
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	59982	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	228733	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	125101	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	191357	20.000	ng	0.00
76) Chrysene-d12	14.068	240	140147	20.000	ng	0.00
86) Perylene-d12	15.562	264	119024	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	56375	14.983	ng	0.00
7) Phenol-d6	6.510	99	86288	17.338	ng	-0.02
23) Nitrobenzene-d5	7.445	82	63651	12.521	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	7746	5.399	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	115924	14.499	ng	-0.01
79) Terphenyl-d14	12.998	244	97969	13.117	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.451	77	148	Below Cal		Qvalue # 3
19) n-Nitroso-di-n-propyla...	7.445	70	8564	2.794	ng	# 79
25) Isophorone	7.445	82	63650	7.987	ng	# 68
51) 2,6-Dinitrotoluene	9.928	165	16303	9.206	ng	# 22
56) 4-Nitrophenol	10.133	139	7470	5.568	ng	# 3
57) 2,4-Dinitrotoluene	9.928	165	16303	6.885	ng	# 27
71) Phenanthrene	11.451	178	1153525	121.062	ng	100
72) Anthracene	11.498	178	125800	13.224	ng	99
73) Carbazole	11.651	167	182566	20.181	ng	99
75) Fluoranthene	12.651	202	1682600	162.881	ng	97
78) Pyrene	12.880	202	1256202	123.619	ng	99
81) Benzo(a)anthracene	14.057	228	453175	50.625	ng	100
83) Chrysene	14.098	228	351636	41.169	ng	98
87) Indeno(1,2,3-cd)pyrene	17.074	276	108018	15.003	ng	# 93
88) Benzo(b)fluoranthene	15.121	252	468377	63.481	ng	97
89) Benzo(k)fluoranthene	15.121	252	468377	64.309	ng	96
90) Benzo(a)pyrene	15.498	252	226809	38.077	ng	97
91) Dibenzo(a,h)anthracene	17.080	278	28082	4.818	ng	# 91
92) Benzo(g,h,i)perylene	17.533	276	94529	16.016	ng	95

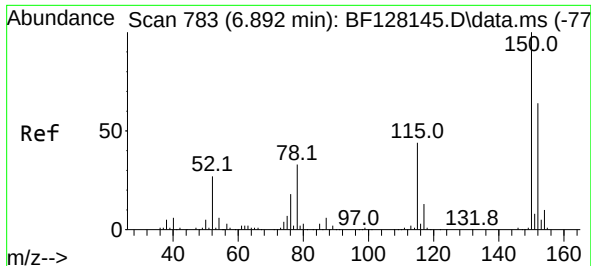
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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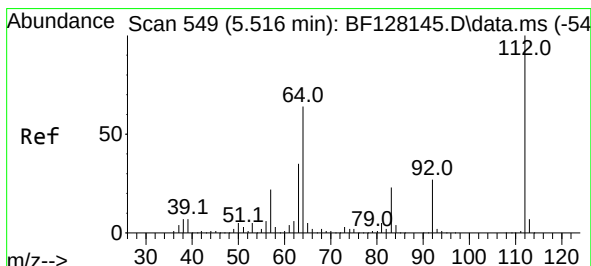
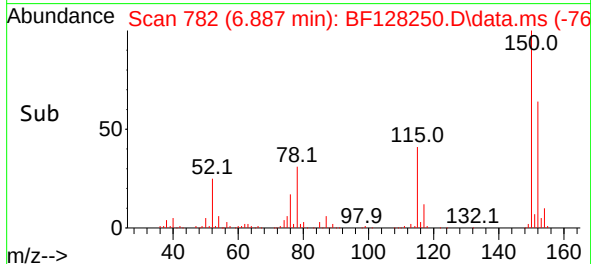
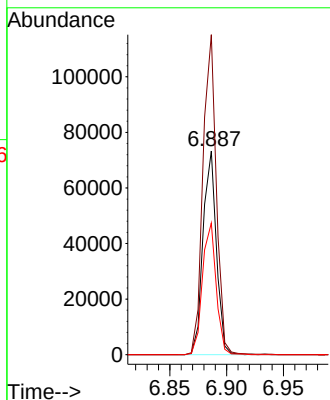
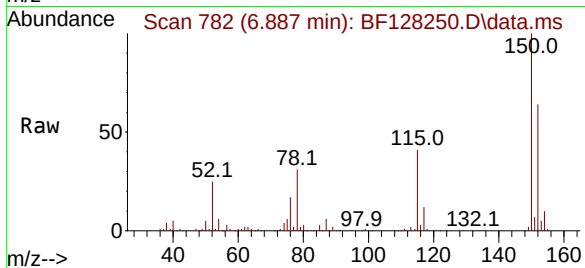




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BF128250.D
 Acq: 13 May 2022 20:37

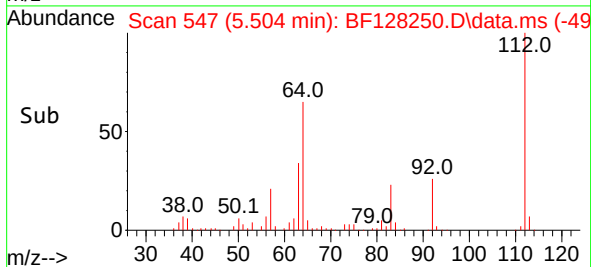
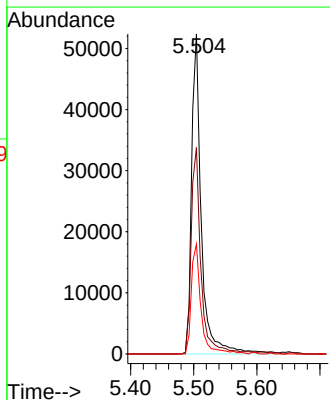
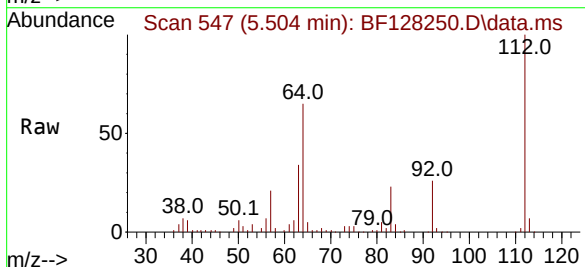
Instrument :
 BNA_F
 ClientSampleId :
 SC-6

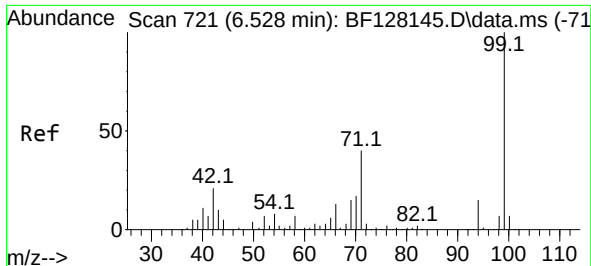
Tgt Ion:152 Resp: 59982
 Ion Ratio Lower Upper
 152 100
 150 157.1 125.3 187.9
 115 64.6 48.8 73.2



#5
 2-Fluorophenol
 Concen: 14.983 ng
 RT: 5.504 min Scan# 547
 Delta R.T. -0.006 min
 Lab File: BF128250.D
 Acq: 13 May 2022 20:37

Tgt Ion:112 Resp: 56375
 Ion Ratio Lower Upper
 112 100
 64 64.5 49.5 74.3
 63 34.4 26.3 39.5

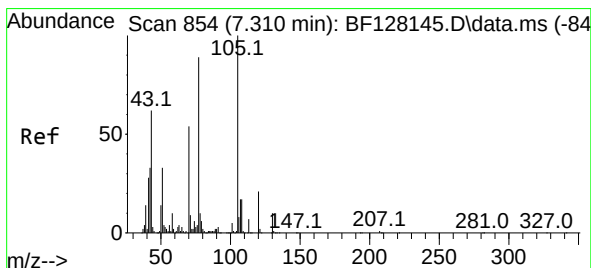
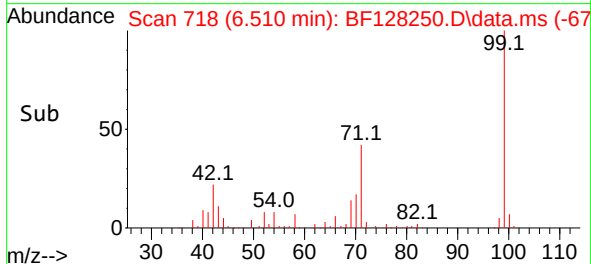
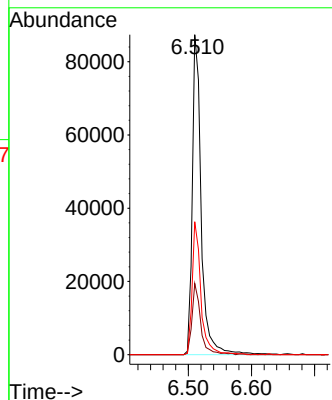
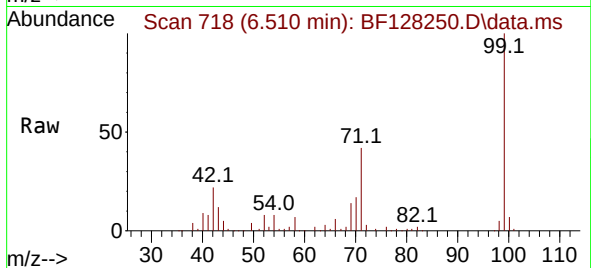




#7
Phenol-d6
Concen: 17.338 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37

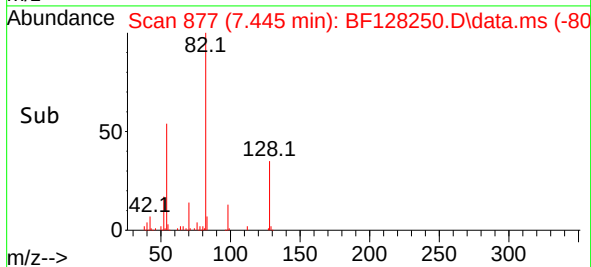
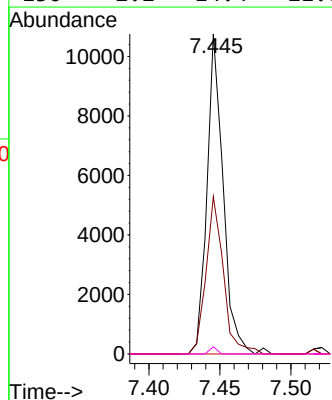
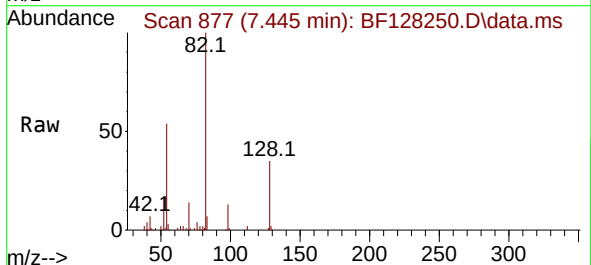
Instrument :
BNA_F
ClientSampleId :
SC-6

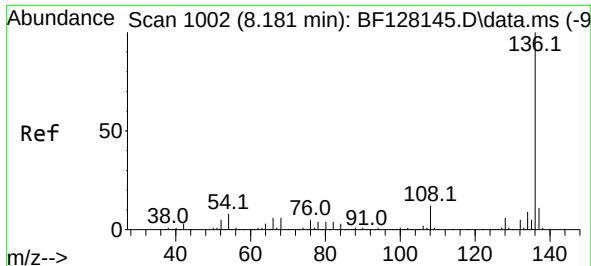
Tgt Ion: 99 Resp: 86288
Ion Ratio Lower Upper
99 100
42 22.2 16.6 24.8
71 41.5 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 2.794 ng
RT: 7.445 min Scan# 877
Delta R.T. 0.141 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37

Tgt Ion: 70 Resp: 8564
Ion Ratio Lower Upper
70 100
42 49.2 48.7 73.1
101 0.0 7.2 10.8#
130 2.2 14.4 21.6#

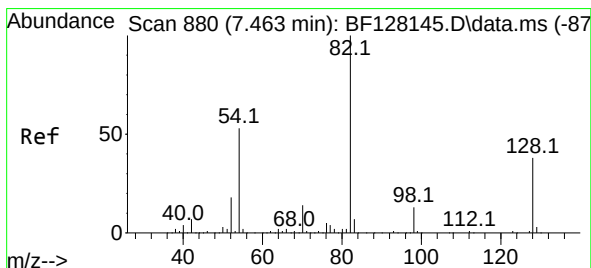
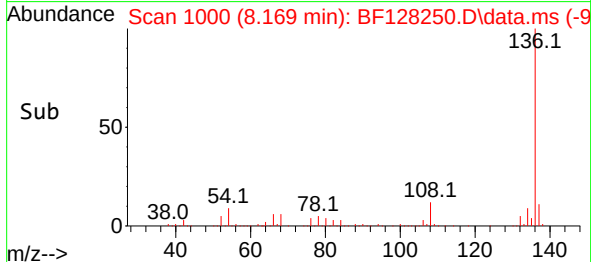
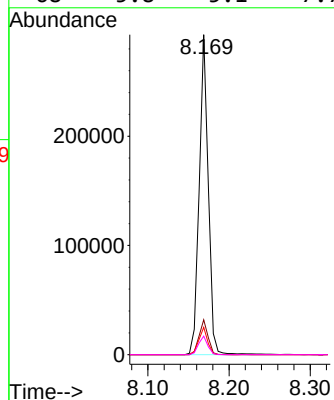
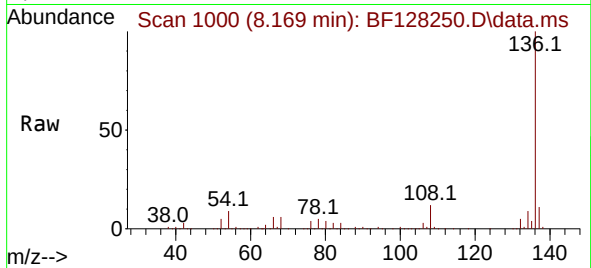




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37

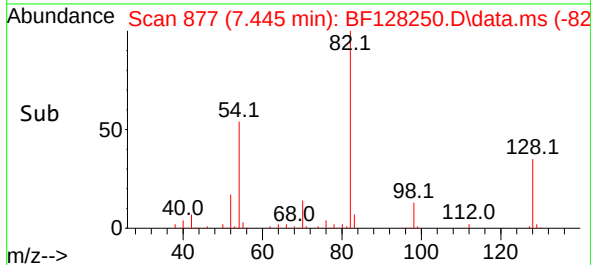
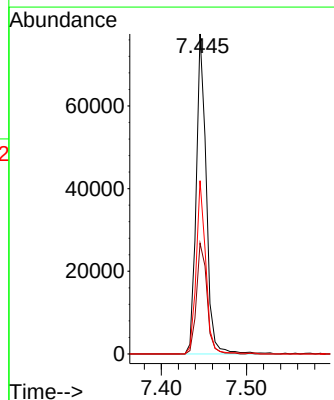
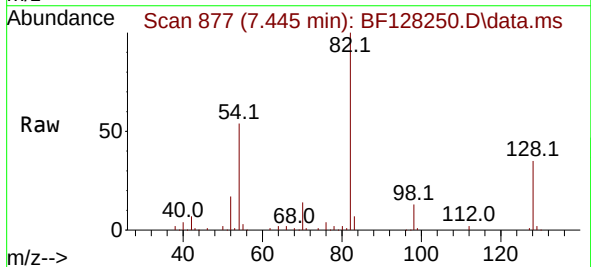
Instrument :
BNA_F
ClientSampleId :
SC-6

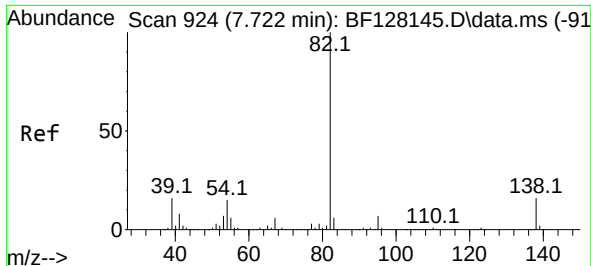
Tgt Ion:136	Resp: 228733
Ion Ratio	Lower Upper
136 100	
137 10.9	8.6 13.0
54 8.5	6.8 10.2
68 5.8	5.1 7.7



#23
Nitrobenzene-d5
Concen: 12.521 ng
RT: 7.445 min Scan# 877
Delta R.T. -0.018 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37

Tgt Ion: 82	Resp: 63651
Ion Ratio	Lower Upper
82 100	
128 34.6	30.0 45.0
54 54.1	41.3 61.9

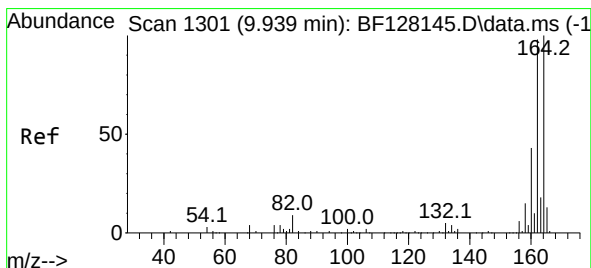
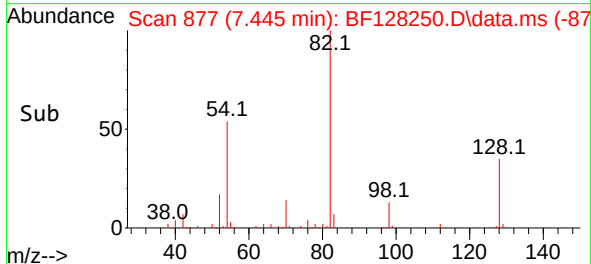
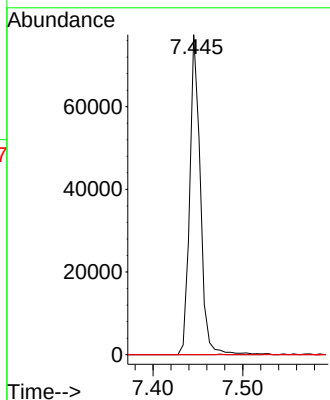
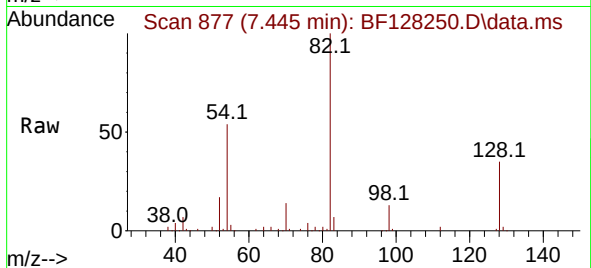




#25
Isophorone
Concen: 7.987 ng
RT: 7.445 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37

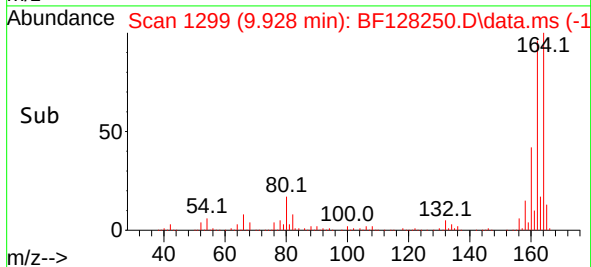
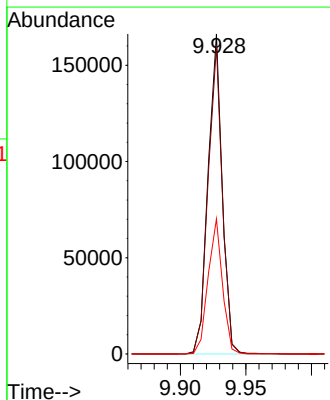
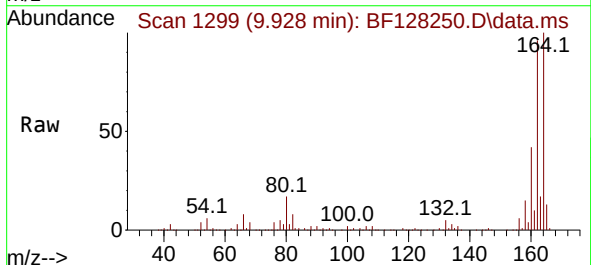
Instrument :
BNA_F
ClientSampleId :
SC-6

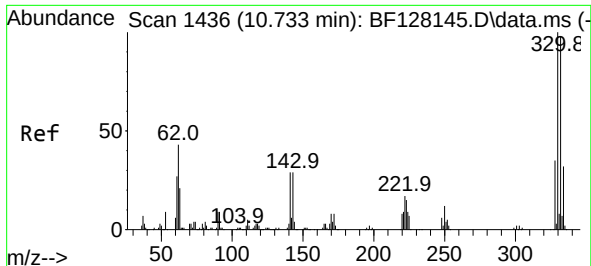
Tgt Ion: 82 Resp: 63650
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1299
Delta R.T. -0.006 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37

Tgt Ion:164 Resp: 125101
Ion Ratio Lower Upper
164 100
162 96.2 76.0 114.0
160 42.2 34.8 52.2

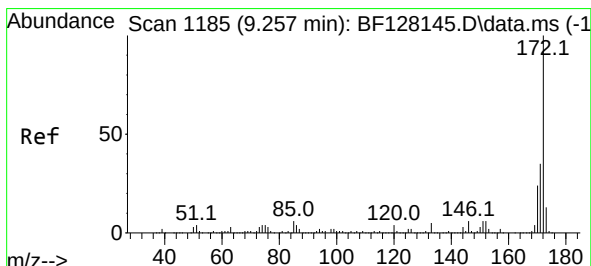
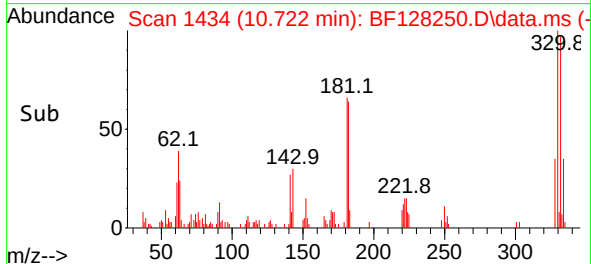
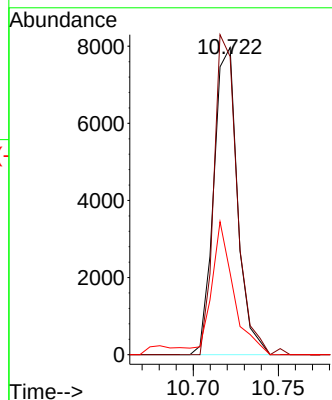
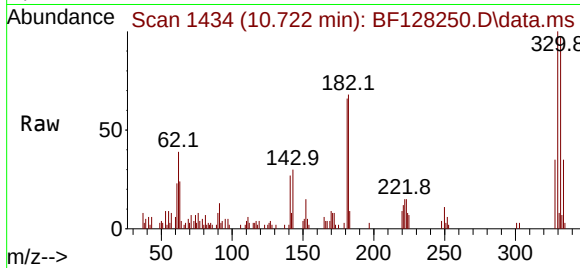




#42
 2,4,6-Tribromophenol
 Concen: 5.399 ng
 RT: 10.722 min Scan# 1436
 Delta R.T. -0.006 min
 Lab File: BF128250.D
 Acq: 13 May 2022 20:37

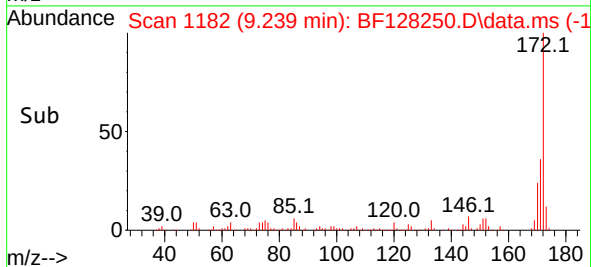
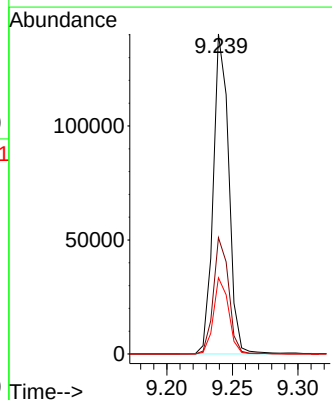
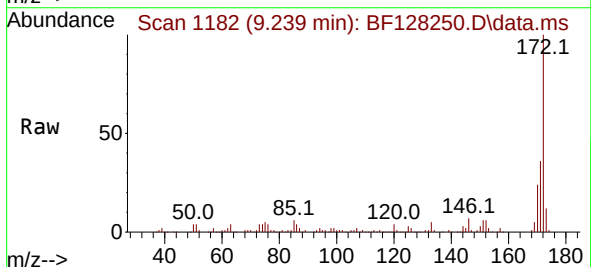
Instrument :
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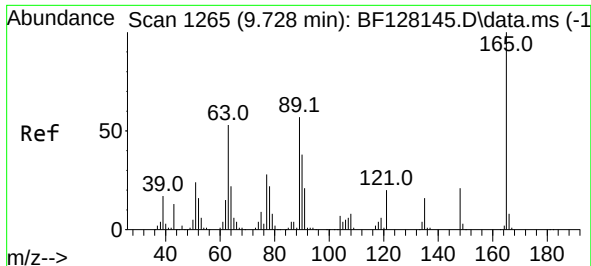
Tgt Ion: 330 Resp: 7746
 Ion Ratio Lower Upper
 330 100
 332 101.1 79.0 118.4
 141 39.6 28.9 43.3



#45
 2-Fluorobiphenyl
 Concen: 14.499 ng
 RT: 9.239 min Scan# 1182
 Delta R.T. -0.012 min
 Lab File: BF128250.D
 Acq: 13 May 2022 20:37

Tgt Ion: 172 Resp: 115924
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.6 42.8
 170 23.8 19.1 28.7

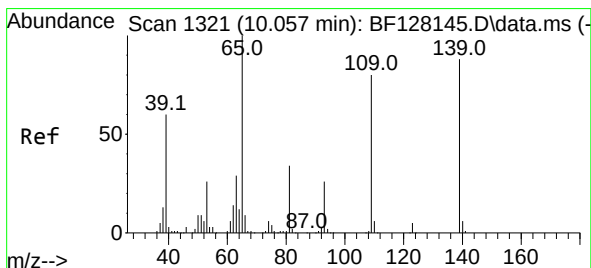
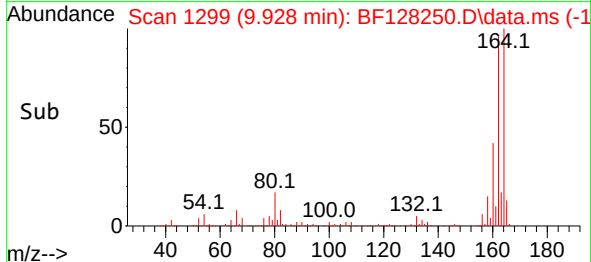
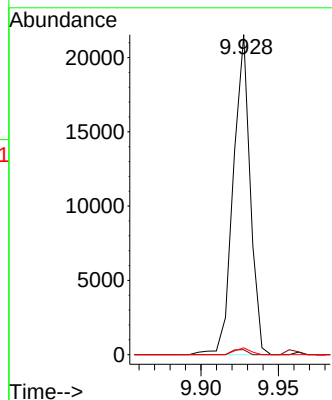
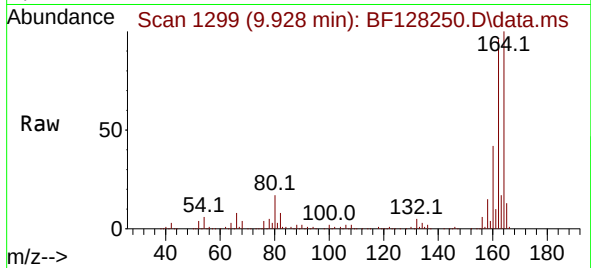




#51
2,6-Dinitrotoluene
Concen: 9.206 ng
RT: 9.928 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37

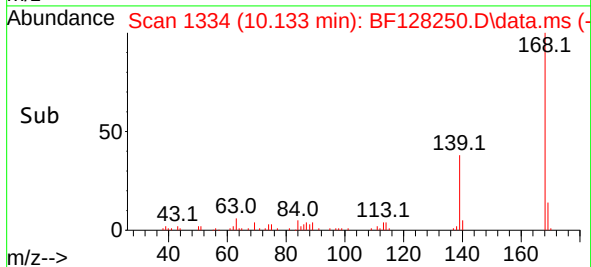
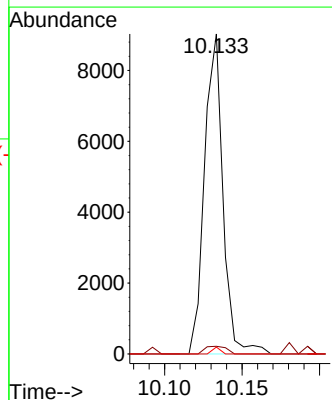
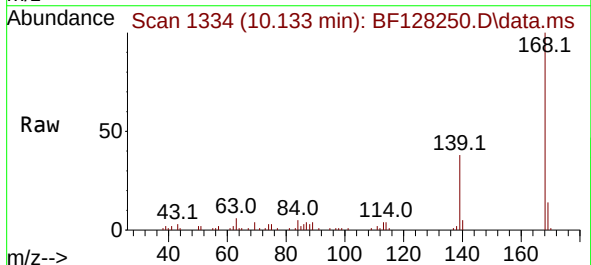
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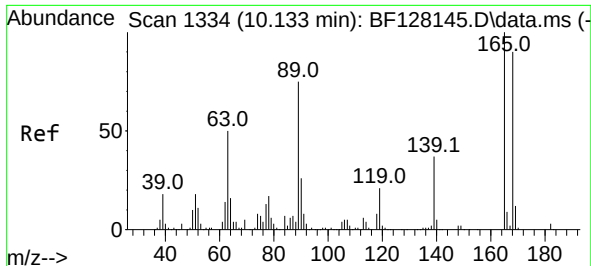
Tgt Ion:165 Resp: 16303
Ion Ratio Lower Upper
165 100
63 1.5 49.5 74.3#
89 2.1 49.0 73.4#



#56
4-Nitrophenol
Concen: 5.568 ng
RT: 10.133 min Scan# 1334
Delta R.T. 0.076 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37

Tgt Ion:139 Resp: 7470
Ion Ratio Lower Upper
139 100
109 2.4 61.9 101.9#
65 2.1 93.5 133.5#

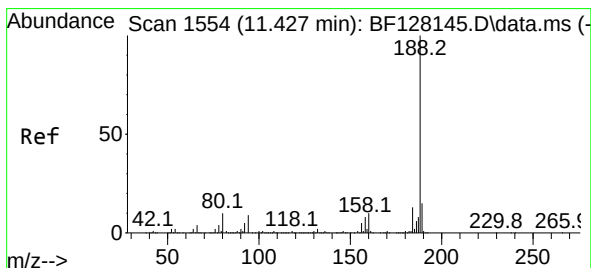
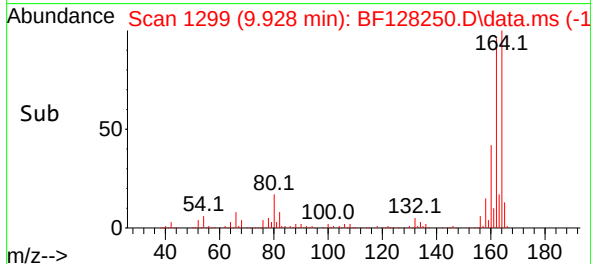
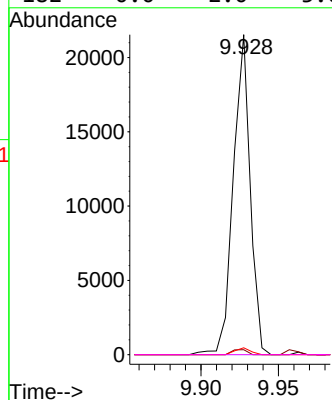
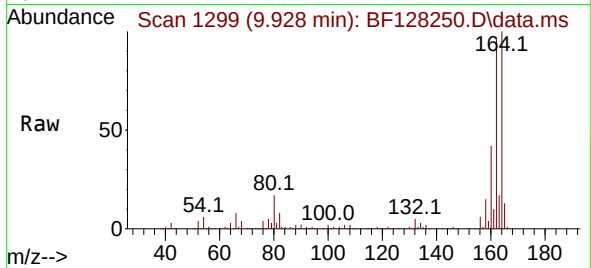




#57
2,4-Dinitrotoluene
Concen: 6.885 ng
RT: 9.928 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37

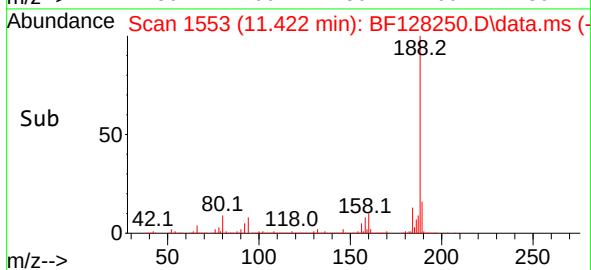
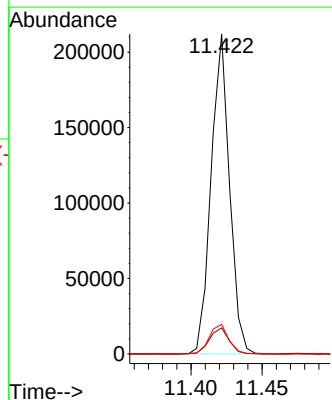
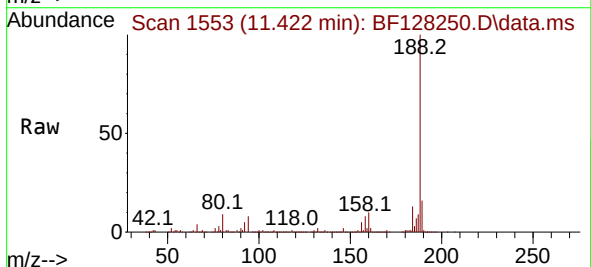
Instrument :
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SC-6

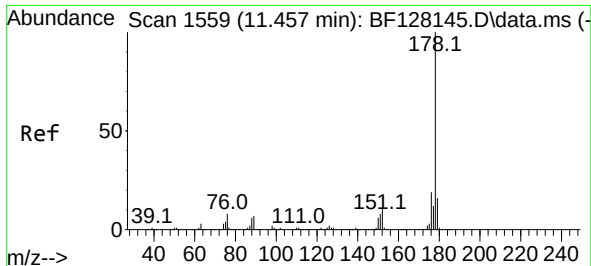
Tgt Ion:165 Resp: 16303
Ion Ratio Lower Upper
165 100
63 1.5 32.6 49.0#
89 2.1 55.2 82.8#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1553
Delta R.T. -0.000 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37

Tgt Ion:188 Resp: 191357
Ion Ratio Lower Upper
188 100
94 8.2 8.0 12.0
80 9.2 8.9 13.3

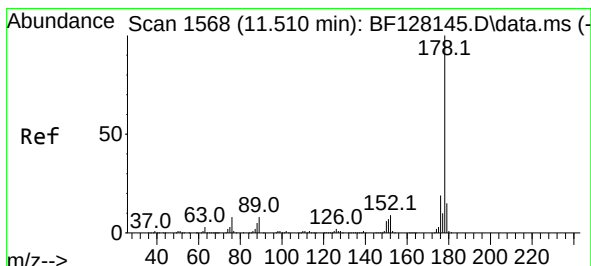
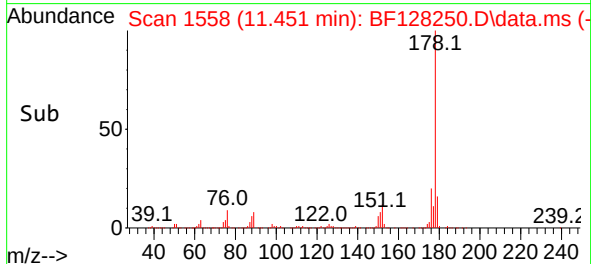
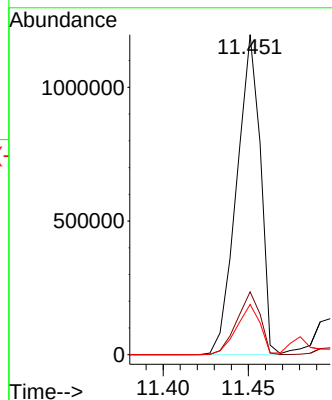
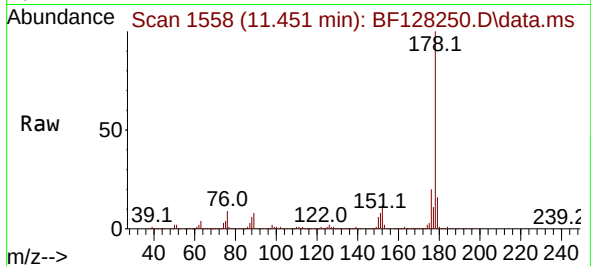




#71
Phenanthrene
Concen: 121.062 ng
RT: 11.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37

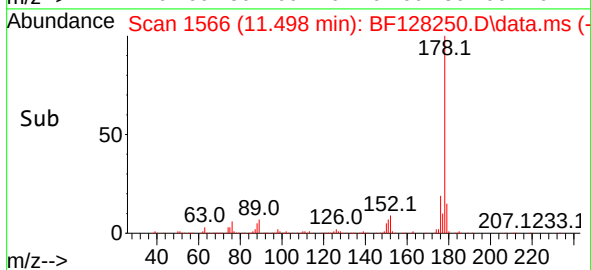
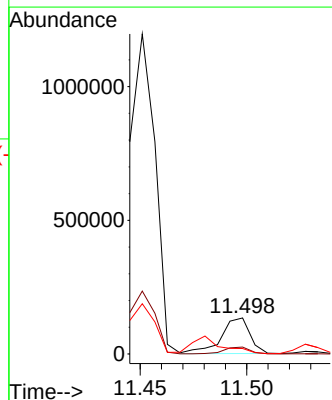
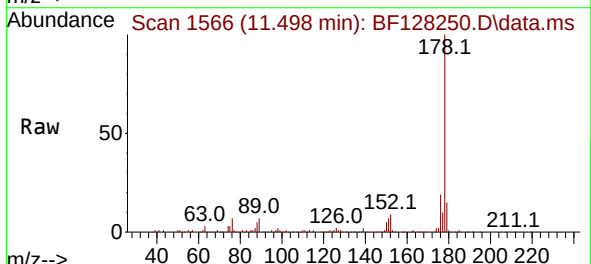
Instrument :
BNA_F
ClientSampleId :
SC-6

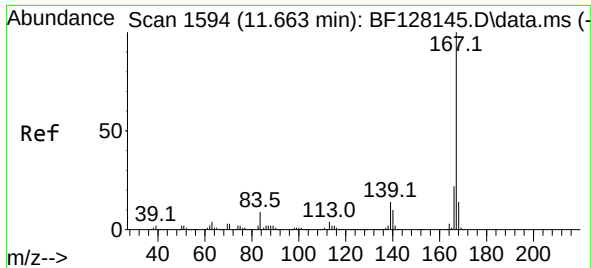
Tgt Ion:178 Resp: 1153525
Ion Ratio Lower Upper
178 100
176 19.7 15.7 23.5
179 15.7 12.6 19.0



#72
Anthracene
Concen: 13.224 ng
RT: 11.498 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37

Tgt Ion:178 Resp: 125800
Ion Ratio Lower Upper
178 100
176 19.1 15.0 22.6
179 15.0 12.4 18.6

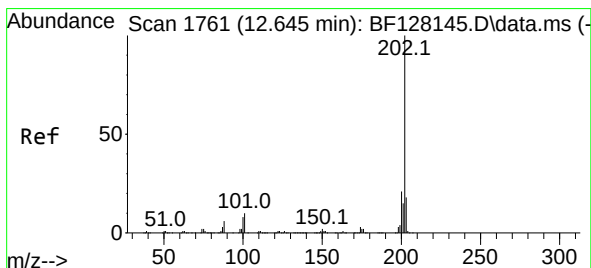
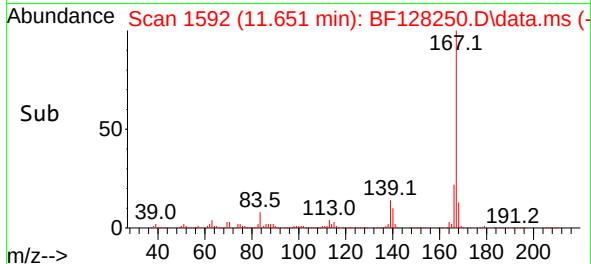
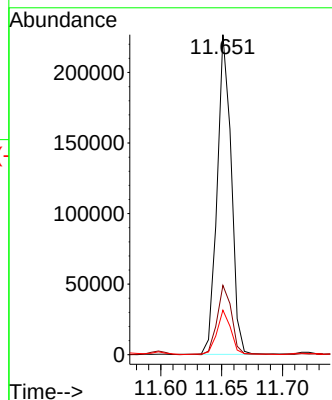
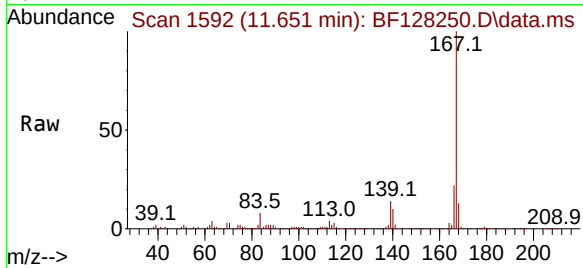




#73
 Carbazole
 Concen: 20.181 ng
 RT: 11.651 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128250.D
 Acq: 13 May 2022 20:37

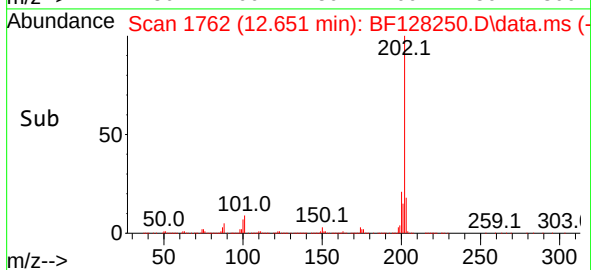
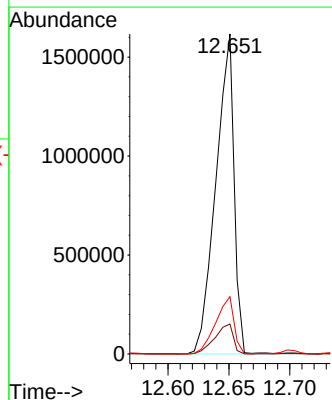
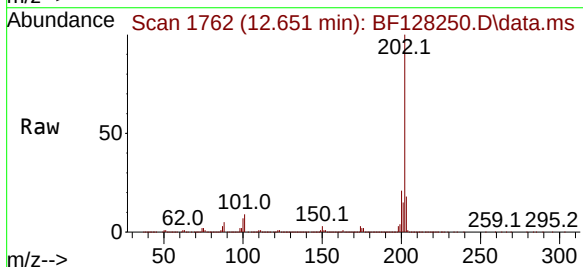
Instrument :
 BNA_F
 ClientSampleId :
 SC-6

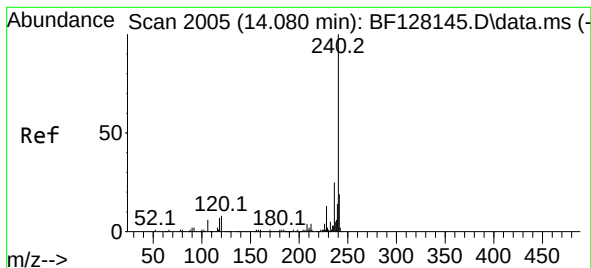
Tgt Ion:167 Resp: 182566
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.6 26.4
 139 13.9 10.7 16.1



#75
 Fluoranthene
 Concen: 162.881 ng
 RT: 12.651 min Scan# 1762
 Delta R.T. 0.012 min
 Lab File: BF128250.D
 Acq: 13 May 2022 20:37

Tgt Ion:202 Resp: 1682600
 Ion Ratio Lower Upper
 202 100
 101 9.3 0.0 31.6
 203 17.9 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.068 min Scan# 2005

Delta R.T. 0.000 min

Lab File: BF128250.D

Acq: 13 May 2022 20:37

Instrument :

BNA_F

ClientSampleId :

SC-6

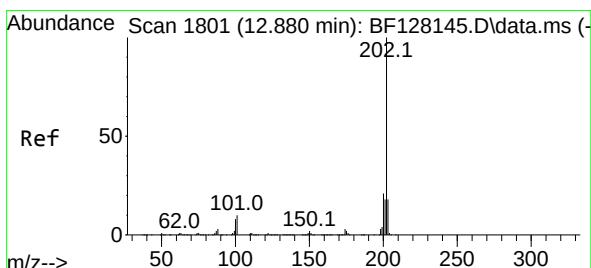
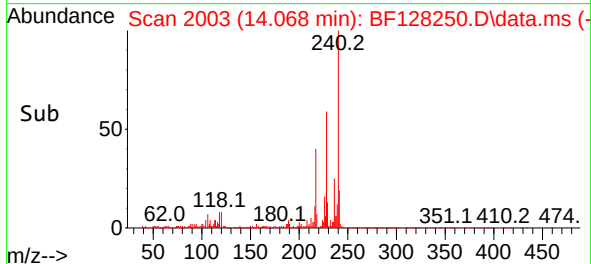
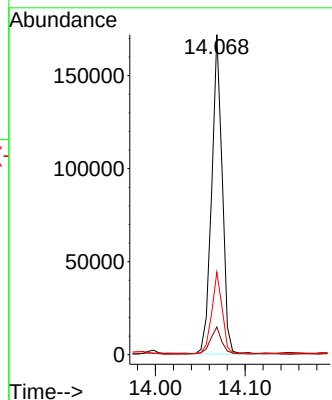
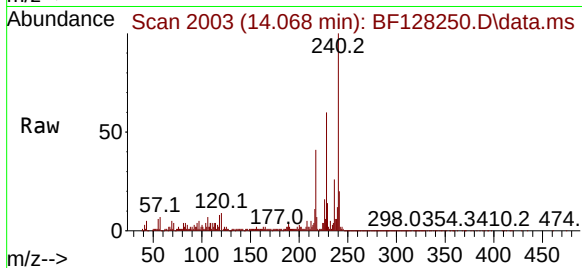
Tgt Ion:240 Resp: 140147

Ion Ratio Lower Upper

240 100

120 8.7 7.0 10.6

236 25.8 20.3 30.5



#78

Pyrene

Concen: 123.619 ng

RT: 12.880 min Scan# 1801

Delta R.T. 0.012 min

Lab File: BF128250.D

Acq: 13 May 2022 20:37

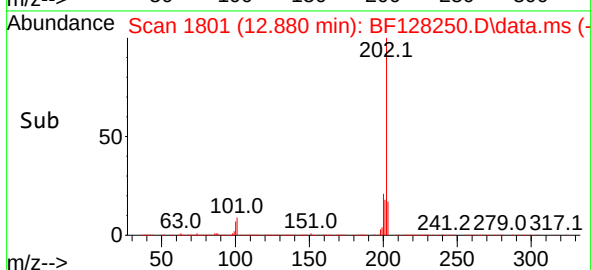
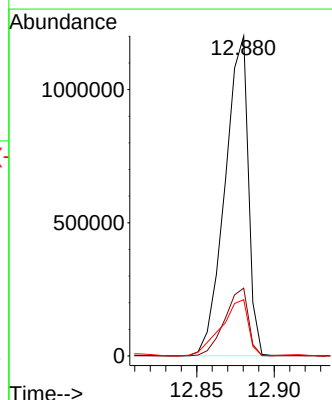
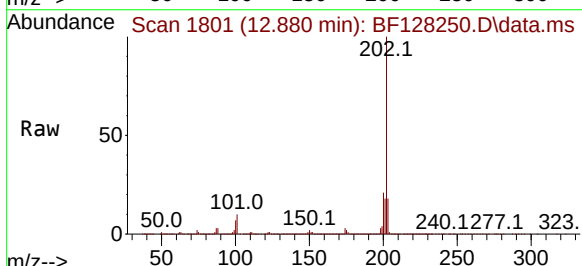
Tgt Ion:202 Resp: 1256202

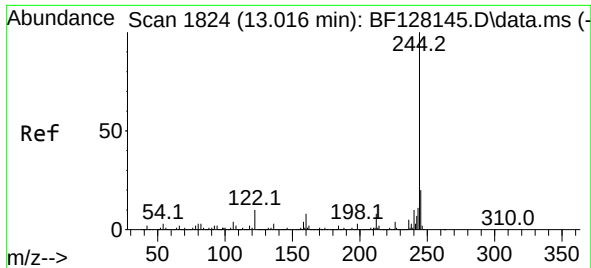
Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

203 17.6 14.0 21.0

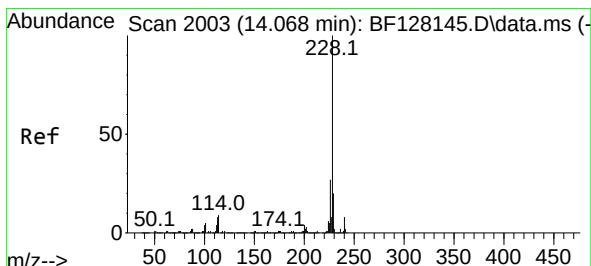
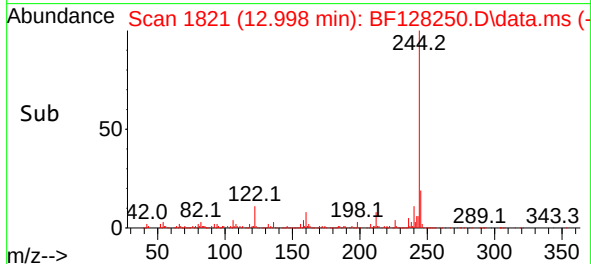
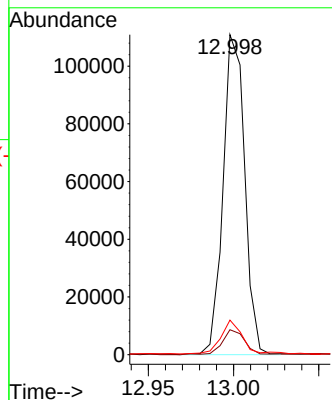
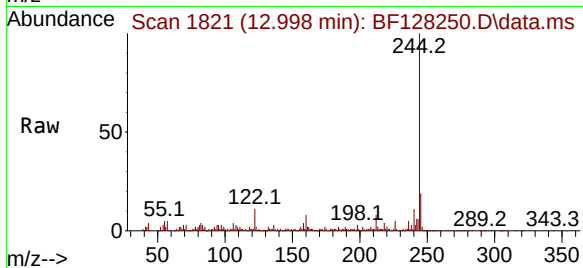




#79
 Terphenyl-d14
 Concen: 13.117 ng
 RT: 12.998 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF128250.D
 Acq: 13 May 2022 20:37

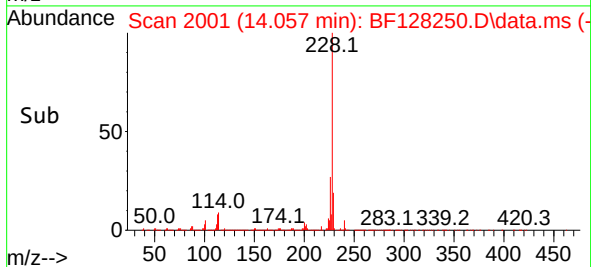
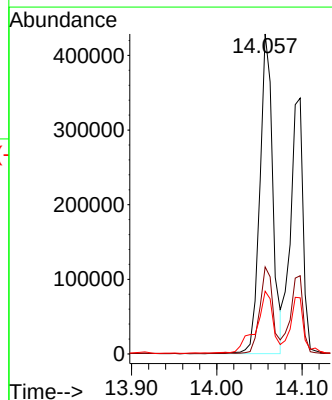
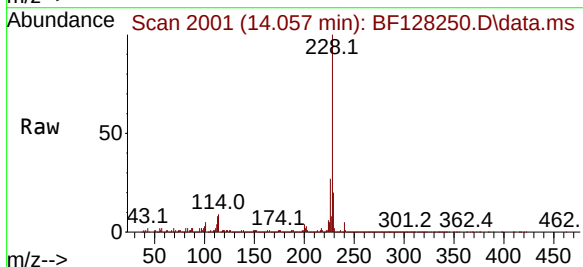
Instrument :
 BNA_F
 ClientSampleId :
 SC-6

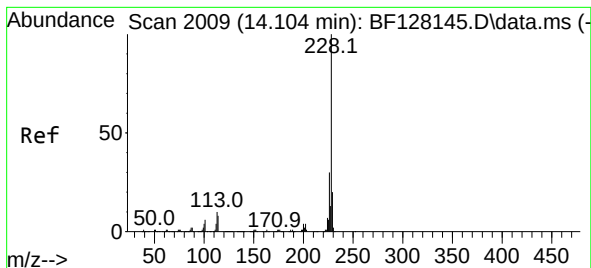
Tgt Ion:244 Resp: 97969
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.2 9.4
 122 10.8 8.6 12.8



#81
 Benzo(a)anthracene
 Concen: 50.625 ng
 RT: 14.057 min Scan# 2001
 Delta R.T. 0.000 min
 Lab File: BF128250.D
 Acq: 13 May 2022 20:37

Tgt Ion:228 Resp: 453175
 Ion Ratio Lower Upper
 228 100
 226 27.2 21.7 32.5
 229 19.6 15.4 23.2





#83

Chrysene

Concen: 41.169 ng

RT: 14.098 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF128250.D

Acq: 13 May 2022 20:37

Instrument :

BNA_F

ClientSampleId :

SC-6

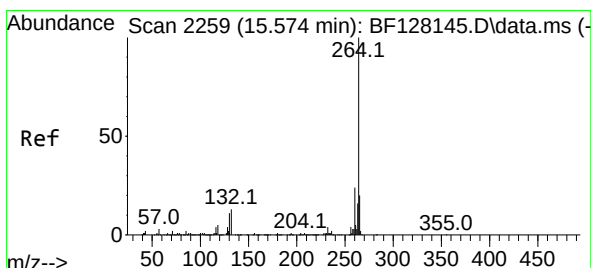
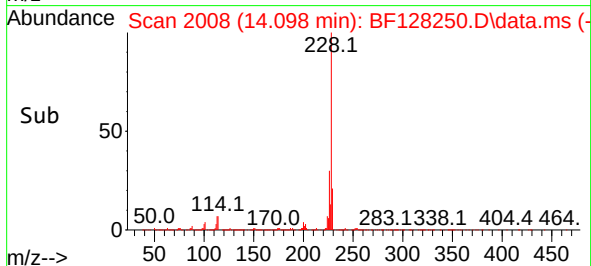
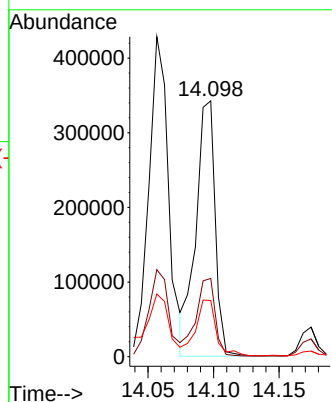
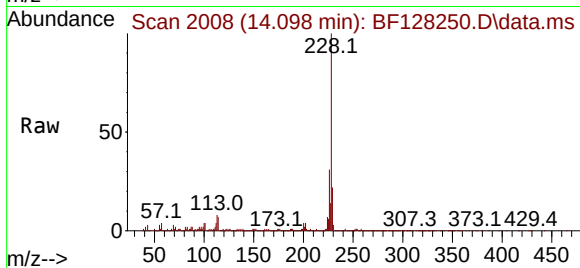
Tgt Ion:228 Resp: 351636

Ion Ratio Lower Upper

228 100

226 30.6 24.4 36.6

229 21.9 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 2257

Delta R.T. -0.000 min

Lab File: BF128250.D

Acq: 13 May 2022 20:37

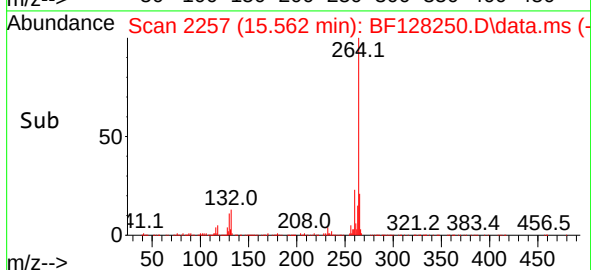
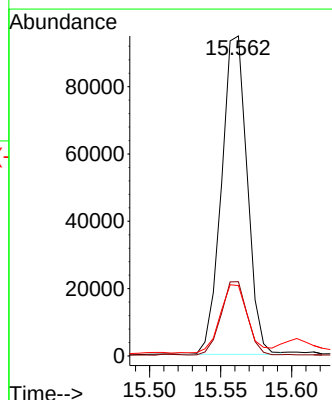
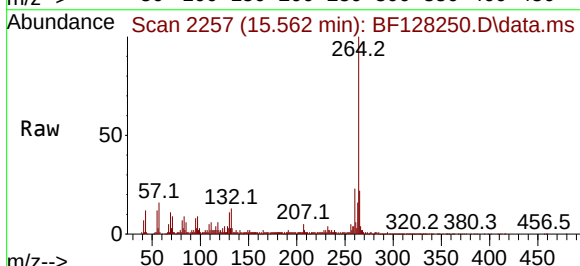
Tgt Ion:264 Resp: 119024

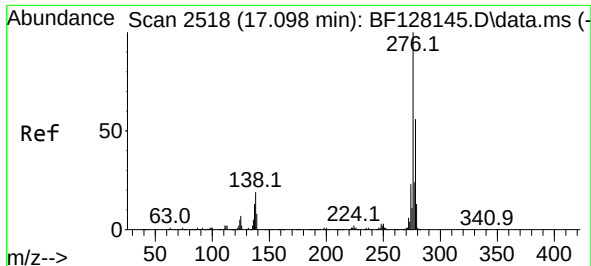
Ion Ratio Lower Upper

264 100

260 23.2 20.1 30.1

265 22.0 17.5 26.3

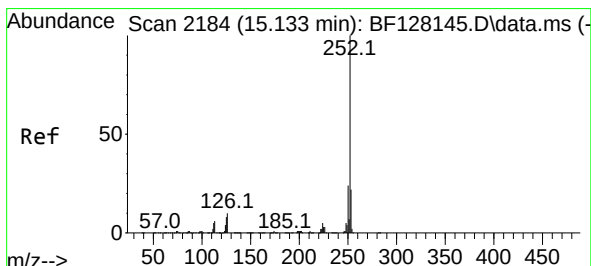
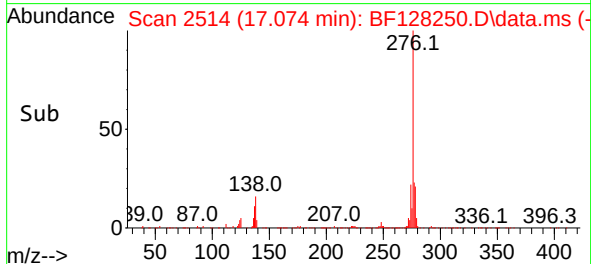
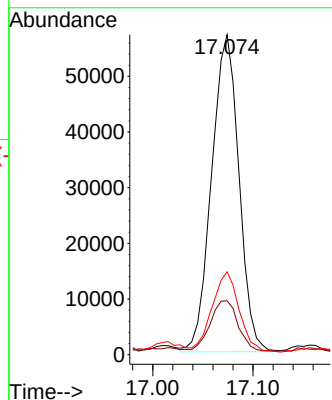
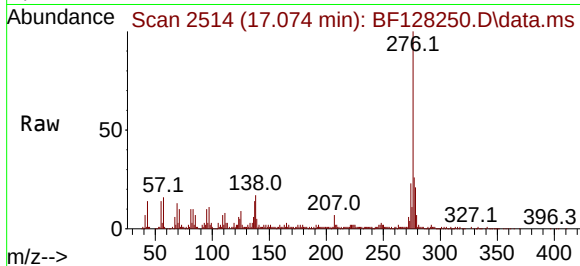




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 15.003 ng
 RT: 17.074 min Scan# 2182
 Delta R.T. -0.012 min
 Lab File: BF128250.D
 Acq: 13 May 2022 20:37

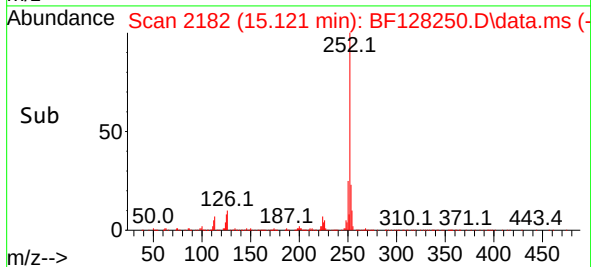
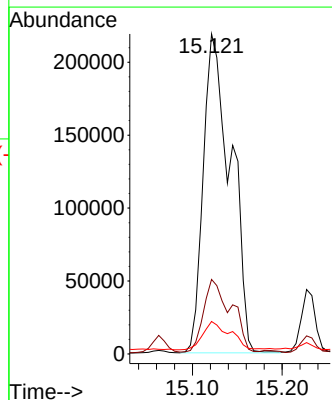
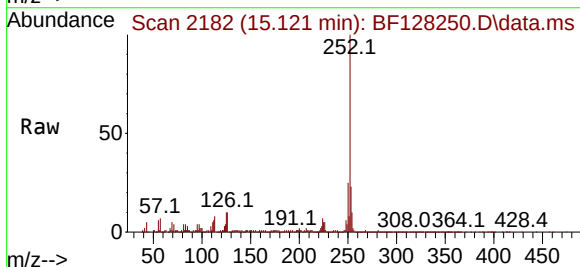
Instrument :
 BNA_F
 ClientSampleId :
 SC-6

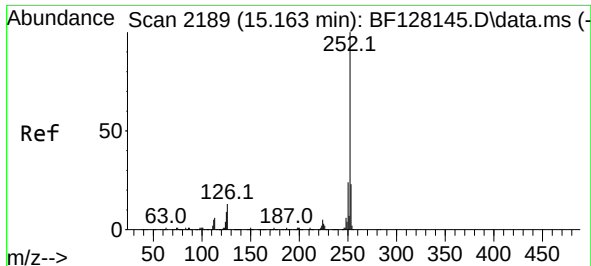
Tgt Ion:276 Resp: 108018
 Ion Ratio Lower Upper
 276 100
 138 16.4 19.0 28.4#
 277 25.2 20.1 30.1



#88
 Benzo(b)fluoranthene
 Concen: 63.481 ng
 RT: 15.121 min Scan# 2182
 Delta R.T. -0.000 min
 Lab File: BF128250.D
 Acq: 13 May 2022 20:37

Tgt Ion:252 Resp: 468377
 Ion Ratio Lower Upper
 252 100
 253 23.3 17.4 26.2
 125 10.2 7.4 11.2

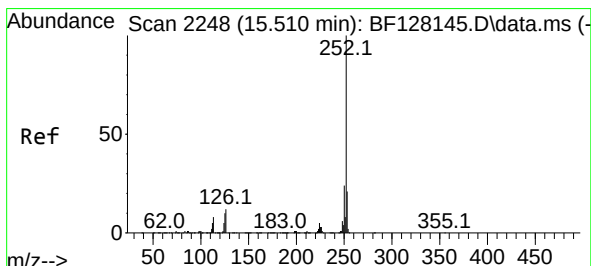
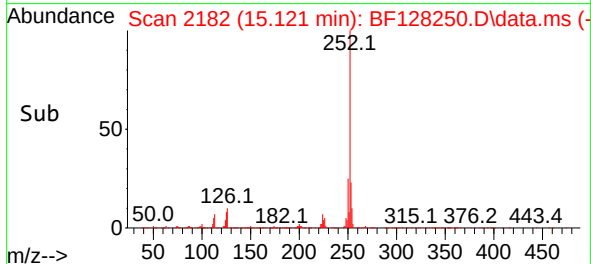
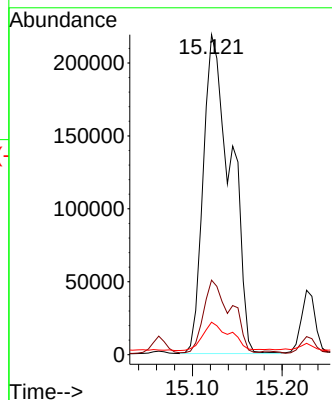
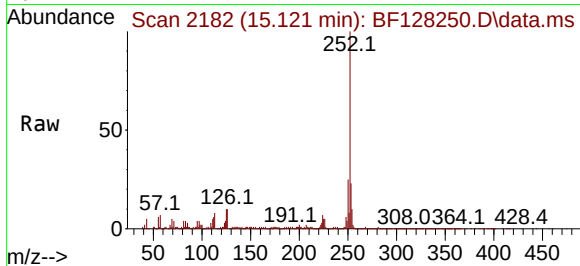




#89
Benzo(k)fluoranthene
Concen: 64.309 ng
RT: 15.121 min Scan# 2189
Delta R.T. -0.029 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37

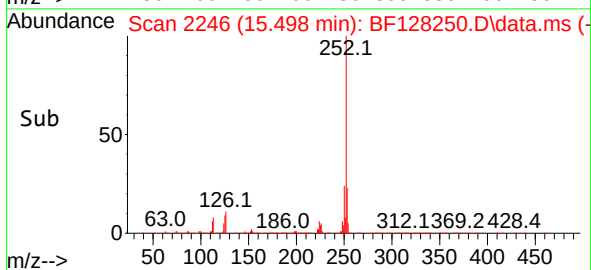
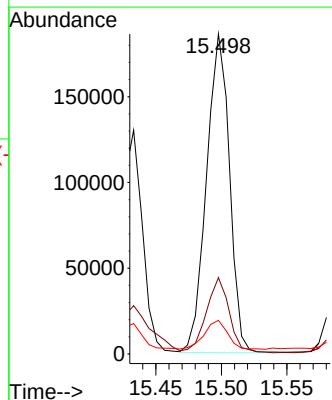
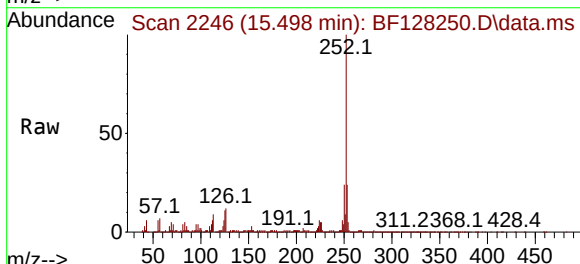
Instrument :
BNA_F
ClientSampleId :
SC-6

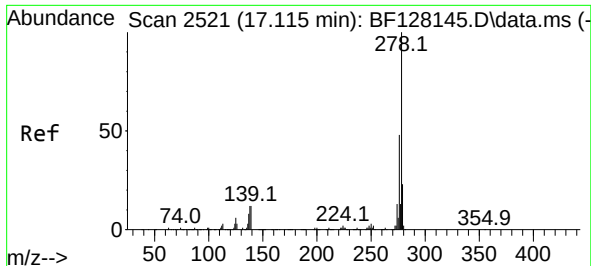
Tgt Ion:252 Resp: 468377
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.4
125 10.2 6.8 10.2



#90
Benzo(a)pyrene
Concen: 38.077 ng
RT: 15.498 min Scan# 2246
Delta R.T. 0.000 min
Lab File: BF128250.D
Acq: 13 May 2022 20:37

Tgt Ion:252 Resp: 226809
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 10.5 9.2 13.8





#91

Dibenzo(a,h)anthracene

Concen: 4.818 ng

RT: 17.080 min Scan# 2515

Delta R.T. -0.018 min

Lab File: BF128250.D

Acq: 13 May 2022 20:37

Instrument :

BNA_F

ClientSampleId :

SC-6

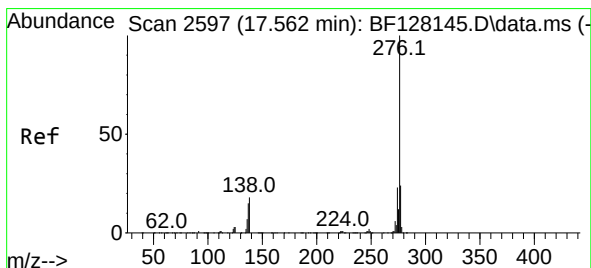
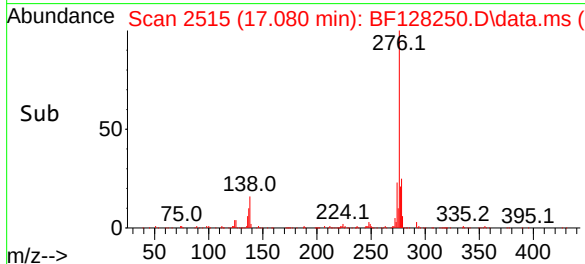
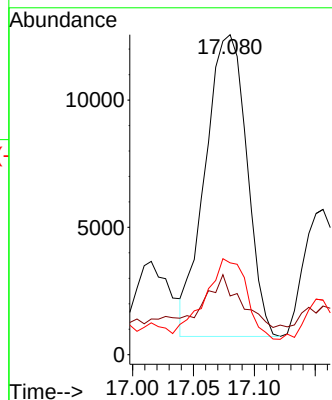
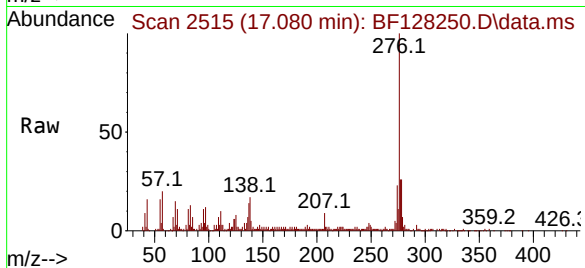
Tgt Ion:278 Resp: 28082

Ion Ratio Lower Upper

278 100

139 18.4 12.6 19.0

279 28.7 18.9 28.3#



#92

Benzo(g,h,i)perylene

Concen: 16.016 ng

RT: 17.533 min Scan# 2592

Delta R.T. -0.018 min

Lab File: BF128250.D

Acq: 13 May 2022 20:37

Tgt Ion:276 Resp: 94529

Ion Ratio Lower Upper

276 100

277 25.3 18.8 28.2

138 17.7 16.2 24.2

