

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053122\
 Data File : BF128597.D
 Acq On : 31 May 2022 16:19
 Operator : CG\JU
 Sample : N3104-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-6

Quant Time: Jun 01 00:57:31 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 27 01:51:59 2022
 Response via : Initial Calibration

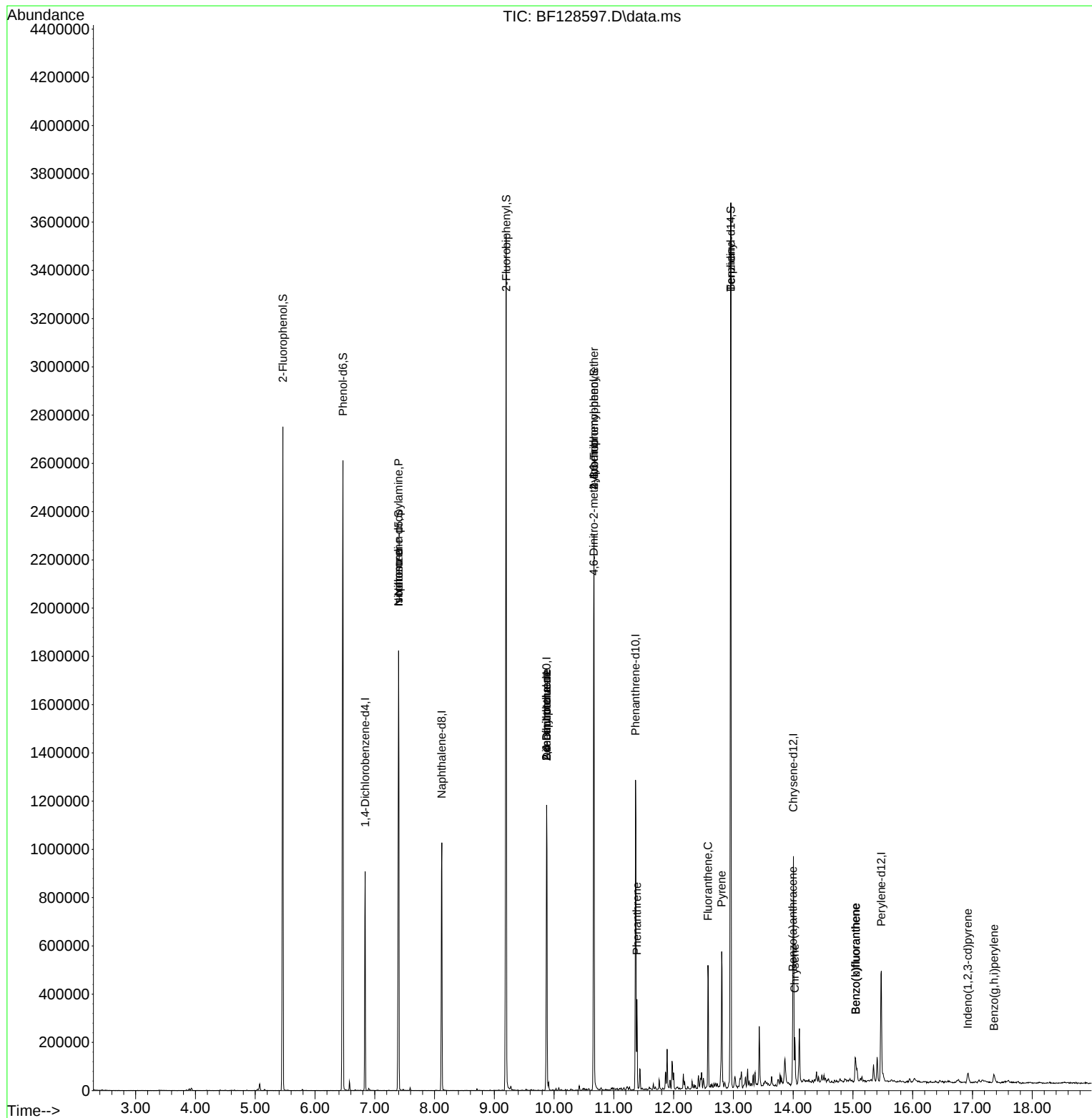
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	115138	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	446736	20.000	ng	# 0.00
39) Acenaphthene-d10	9.875	164	254567	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	475427	20.000	ng	0.00
76) Chrysene-d12	14.004	240	289508	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	220529	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	651937	93.789	ng	0.01
7) Phenol-d6	6.469	99	832111	93.888	ng	0.00
23) Nitrobenzene-d5	7.398	82	598286	77.258	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	267089	110.229	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	1127755	71.973	ng	0.00
79) Terphenyl-d14	12.957	244	1186495	79.178	ng	0.00
Target Compounds						
9) Benzaldehyde	6.469	77	1689	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propyla...	7.398	70	83658	15.395	ng	# 78
25) Isophorone	7.398	82	594985	41.649	ng	# 65
50) Dimethylphthalate	9.875	163	42231	2.557	ng	# 1
51) 2,6-Dinitrotoluene	9.875	165	32367	10.695	ng	# 25
57) 2,4-Dinitrotoluene	9.875	165	32367	8.940	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.663	198	704	5.786	ng	# 1
67) 4-Bromophenyl-phenylether	10.669	248	17621	3.587	ng	# 1
71) Phenanthrene	11.386	178	120905	5.368	ng	97
75) Fluoranthene	12.574	202	198233	8.233	ng	98
77) Benzidine	12.957	184	17729	2.655	ng	# 93
78) Pyrene	12.804	202	236673	10.851	ng	98
81) Benzo(a)anthracene	13.992	228	81970	4.764	ng	98
83) Chrysene	14.027	228	72529	4.116	ng	98
87) Indeno(1,2,3-cd)pyrene	16.921	276	27232	2.094	ng	# 93
88) Benzo(b)fluoranthene	15.045	252	75072	5.472	ng	# 97
89) Benzo(k)fluoranthene	15.045	252	75072	5.906	ng	# 97
92) Benzo(g,h,i)perylene	17.362	276	29637	2.771	ng	95

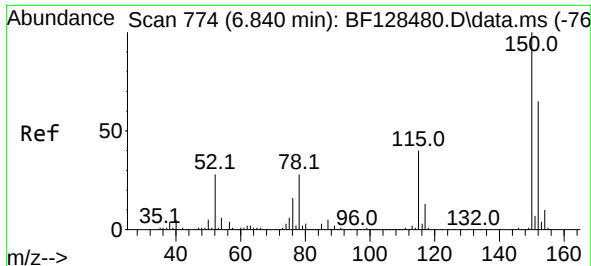
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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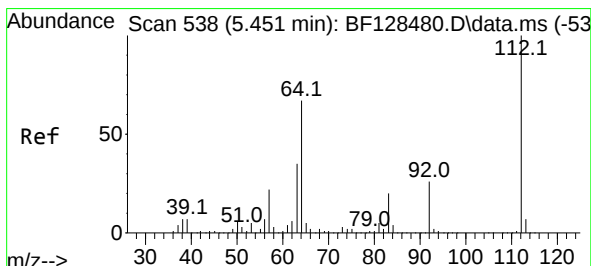
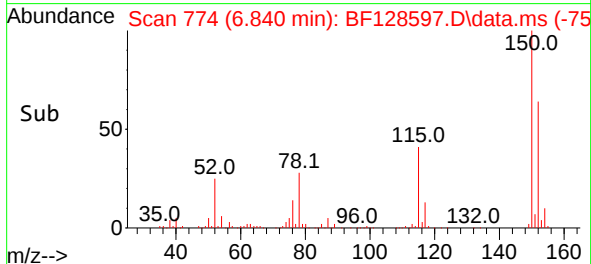
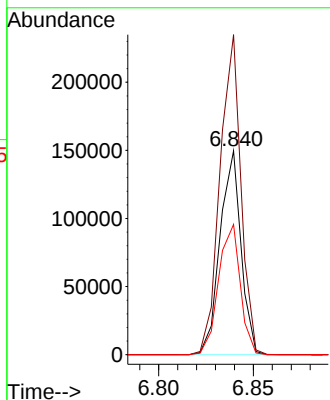
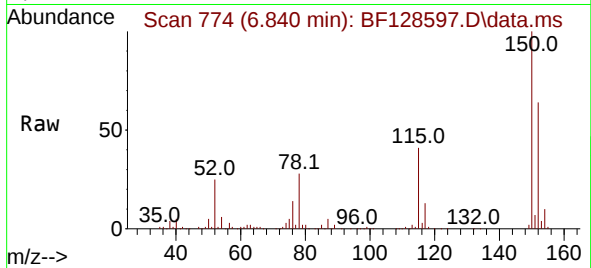




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128597.D
Acq: 31 May 2022 16:19

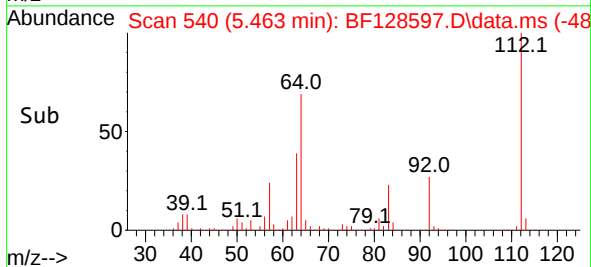
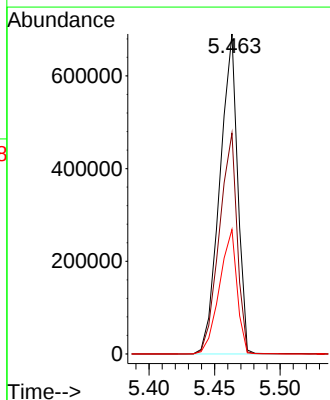
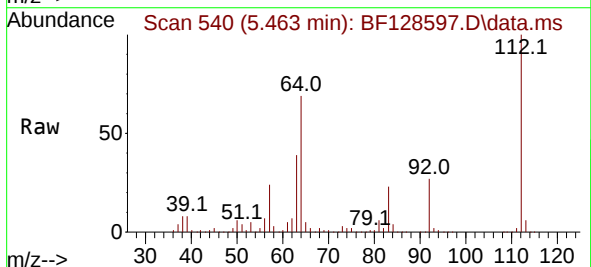
Instrument :
BNA_F
ClientSampleId :
WC-6

Tgt Ion:152 Resp: 115138
Ion Ratio Lower Upper
152 100
150 157.0 123.7 185.5
115 63.9 49.9 74.9



#5
2-Fluorophenol
Concen: 93.789 ng
RT: 5.463 min Scan# 540
Delta R.T. 0.012 min
Lab File: BF128597.D
Acq: 31 May 2022 16:19

Tgt Ion:112 Resp: 651937
Ion Ratio Lower Upper
112 100
64 69.0 53.3 79.9
63 38.9 28.0 42.0

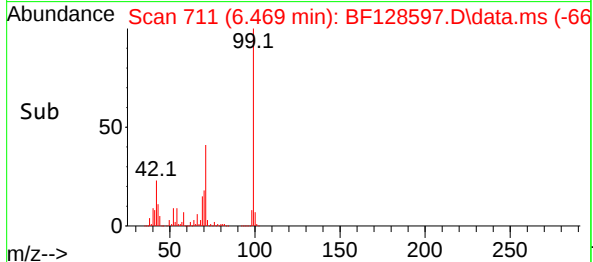
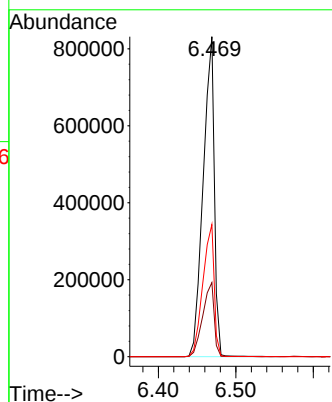
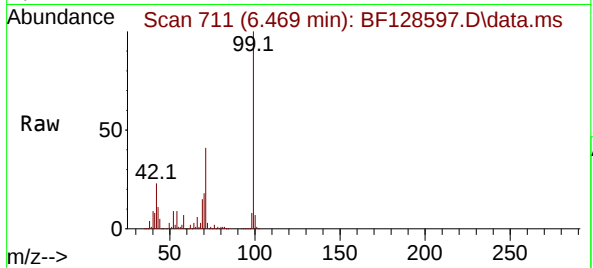




#7
Phenol-d6
Concen: 93.888 ng
RT: 6.469 min Scan# 711
Delta R.T. -0.000 min
Lab File: BF128597.D
Acq: 31 May 2022 16:19

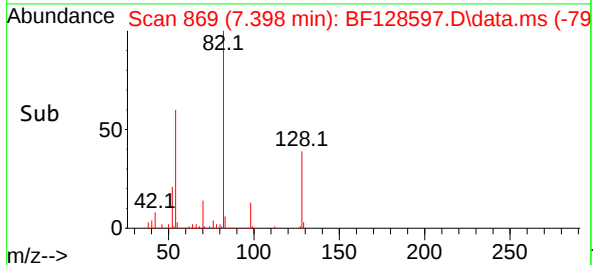
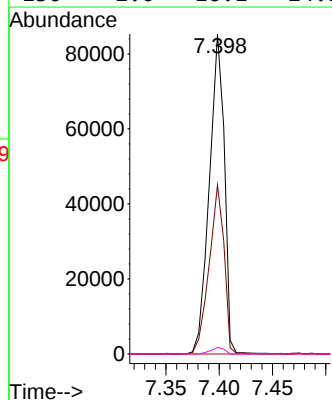
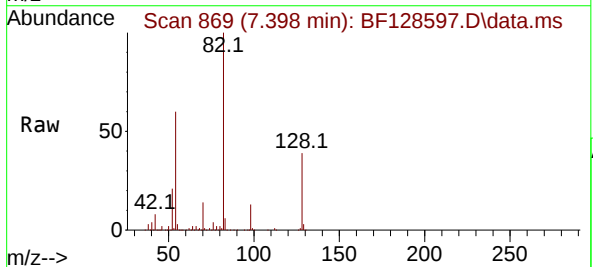
Instrument :
BNA_F
ClientSampleId :
WC-6

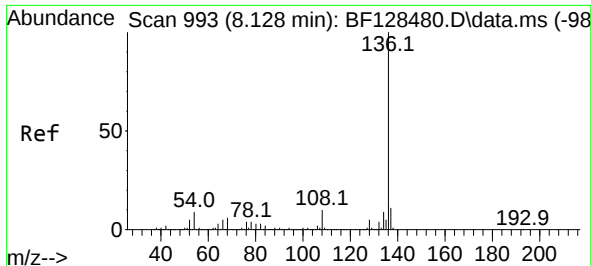
Tgt Ion: 99 Resp: 832111
Ion Ratio Lower Upper
99 100
42 23.2 17.3 25.9
71 41.3 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 15.395 ng
RT: 7.398 min Scan# 869
Delta R.T. 0.135 min
Lab File: BF128597.D
Acq: 31 May 2022 16:19

Tgt Ion: 70 Resp: 83658
Ion Ratio Lower Upper
70 100
42 52.9 52.3 78.5
101 0.0 7.5 11.3#
130 2.0 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.122 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF128597.D

Acq: 31 May 2022 16:19

Instrument :

BNA_F

ClientSampleId :

WC-6

Tgt Ion:136 Resp: 446736

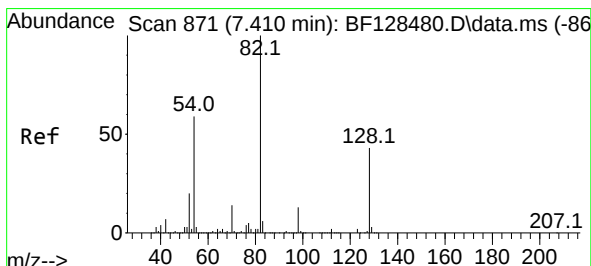
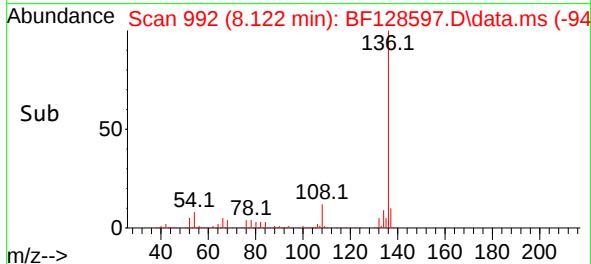
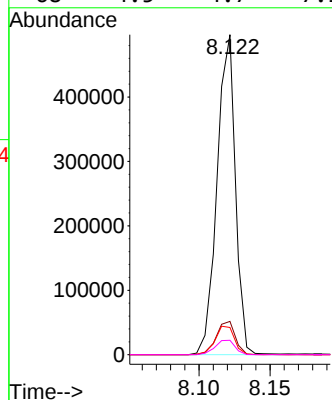
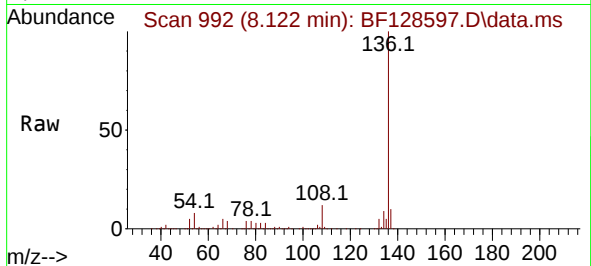
Ion Ratio Lower Upper

136 100

137 10.4 8.8 13.2

54 8.5 7.5 11.3

68 4.5 4.7 7.1#



#23

Nitrobenzene-d5

Concen: 77.258 ng

RT: 7.398 min Scan# 869

Delta R.T. -0.012 min

Lab File: BF128597.D

Acq: 31 May 2022 16:19

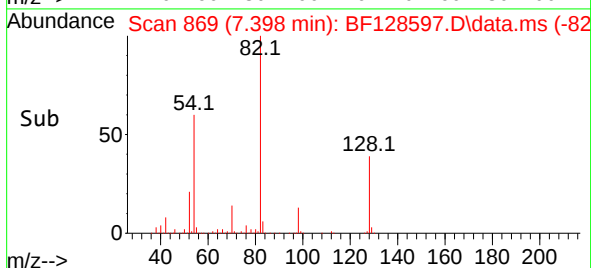
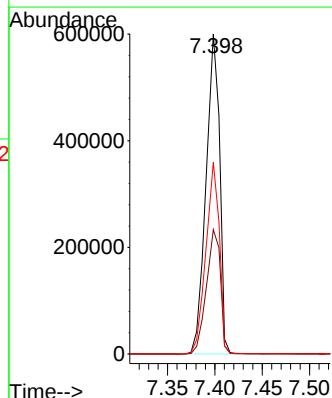
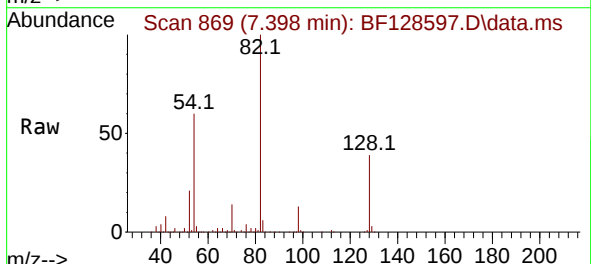
Tgt Ion: 82 Resp: 598286

Ion Ratio Lower Upper

82 100

128 38.9 34.0 51.0

54 59.9 46.9 70.3

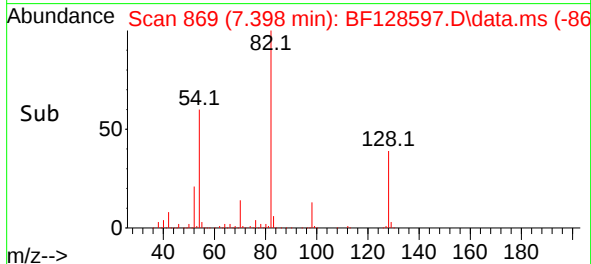
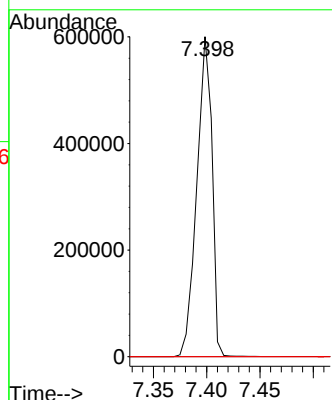
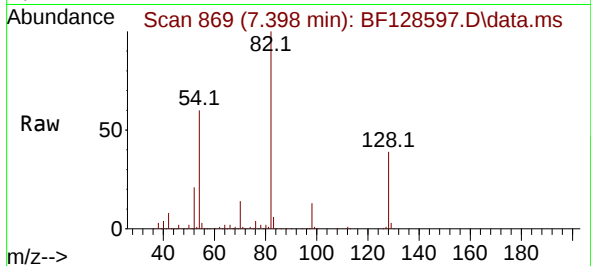




#25
Isophorone
Concen: 41.649 ng
RT: 7.398 min Scan# 80
Delta R.T. -0.271 min
Lab File: BF128597.D
Acq: 31 May 2022 16:19

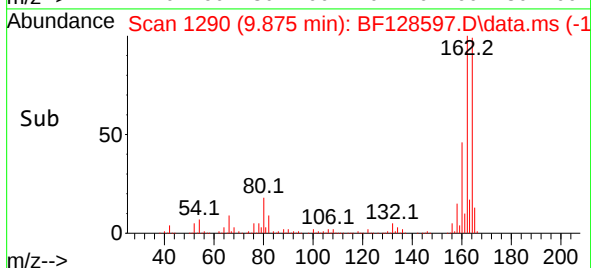
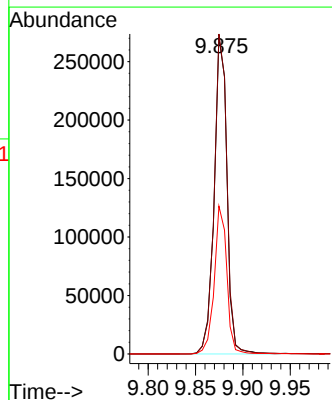
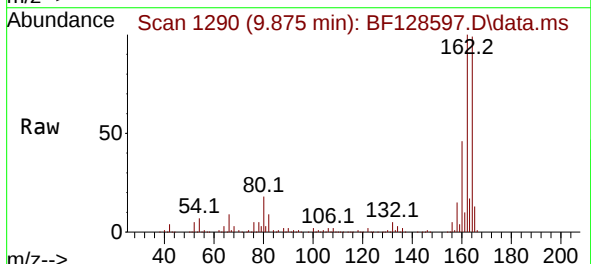
Instrument :
BNA_F
ClientSampleId :
WC-6

Tgt Ion: 82 Resp: 594985
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1290
Delta R.T. -0.006 min
Lab File: BF128597.D
Acq: 31 May 2022 16:19

Tgt Ion:164 Resp: 254567
Ion Ratio Lower Upper
164 100
162 100.9 79.5 119.3
160 46.7 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 110.229 ng

RT: 10.669 min Scan# 1425

Delta R.T. -0.006 min

Lab File: BF128597.D

Acq: 31 May 2022 16:19

Instrument :

BNA_F

ClientSampleId :

WC-6

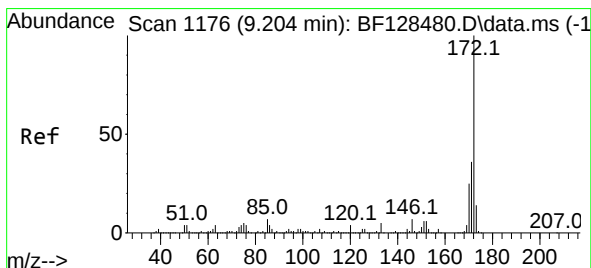
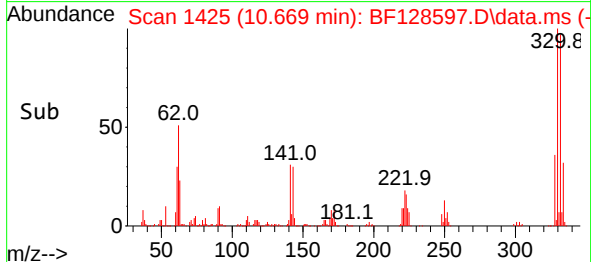
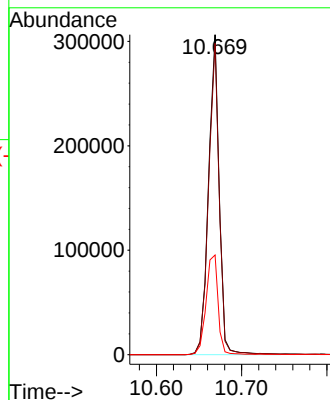
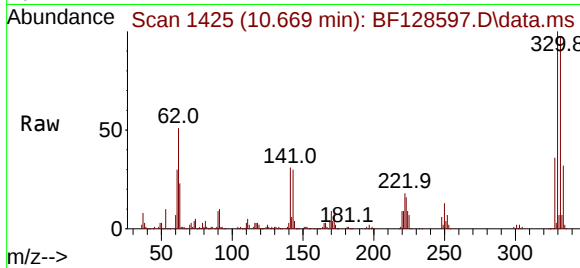
Tgt Ion:330 Resp: 267089

Ion Ratio Lower Upper

330 100

332 97.7 76.8 115.2

141 35.3 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 71.973 ng

RT: 9.198 min Scan# 1175

Delta R.T. -0.006 min

Lab File: BF128597.D

Acq: 31 May 2022 16:19

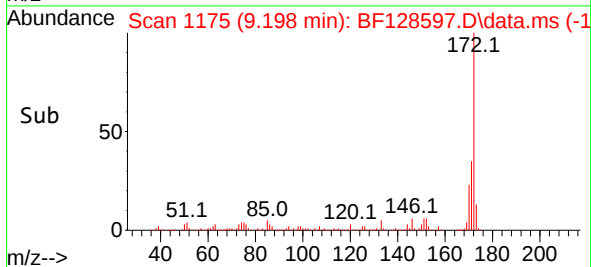
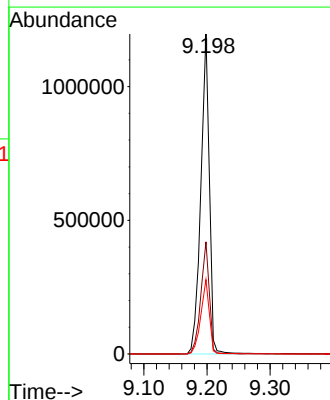
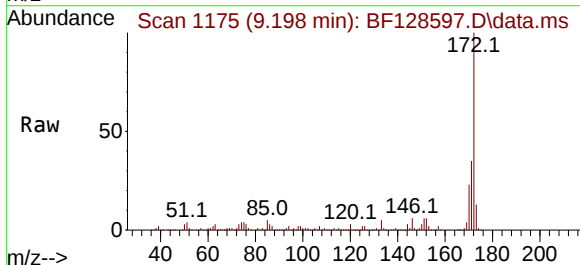
Tgt Ion:172 Resp: 1127755

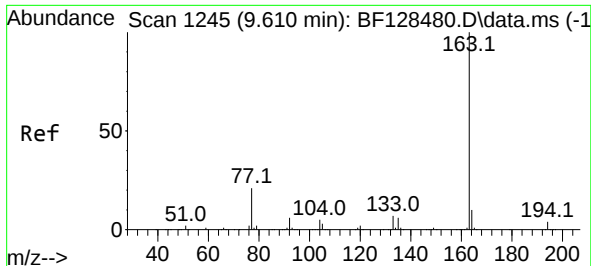
Ion Ratio Lower Upper

172 100

171 35.0 28.8 43.2

170 23.3 19.8 29.8

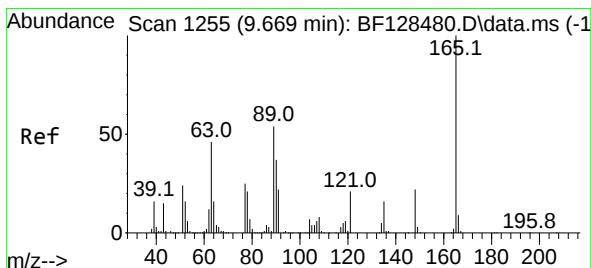
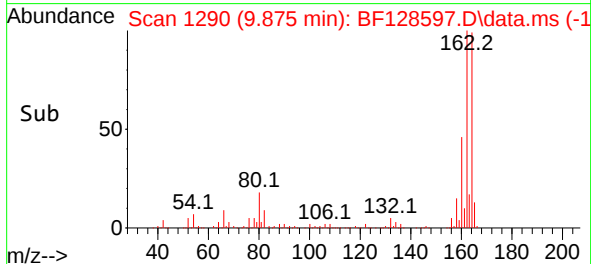
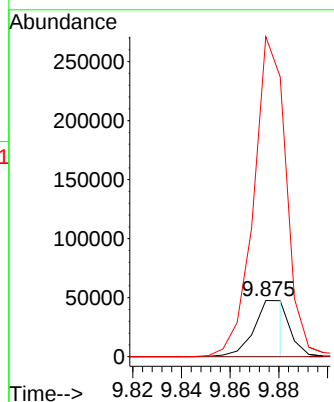
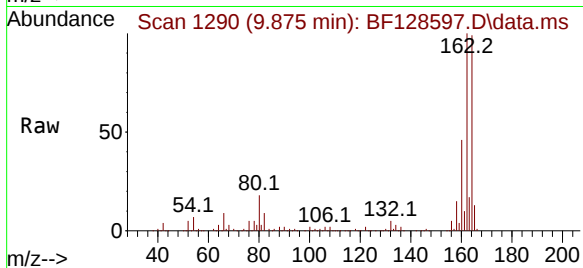




#50
Dimethylphthalate
Concen: 2.557 ng
RT: 9.875 min Scan# 1290
Delta R.T. 0.265 min
Lab File: BF128597.D
Acq: 31 May 2022 16:19

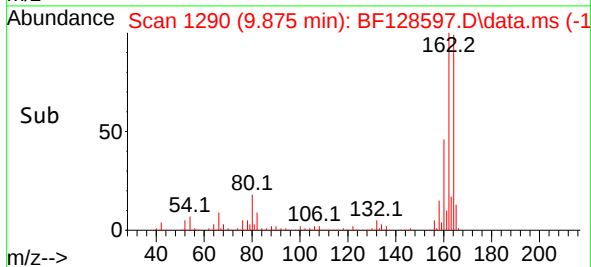
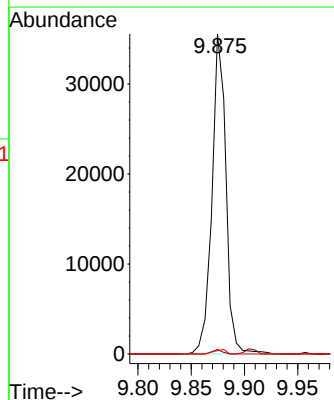
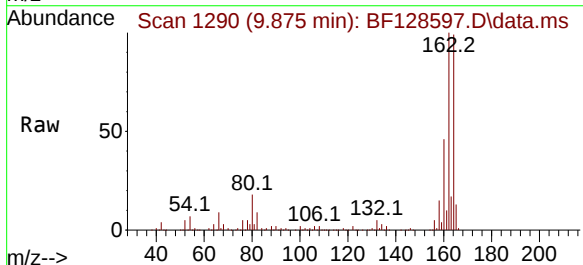
Instrument :
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WC-6

Tgt Ion:163 Resp: 42231
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 570.5 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 10.695 ng
RT: 9.875 min Scan# 1290
Delta R.T. 0.206 min
Lab File: BF128597.D
Acq: 31 May 2022 16:19

Tgt Ion:165 Resp: 32367
Ion Ratio Lower Upper
165 100
63 1.4 44.9 67.3#
89 1.0 43.6 65.4#

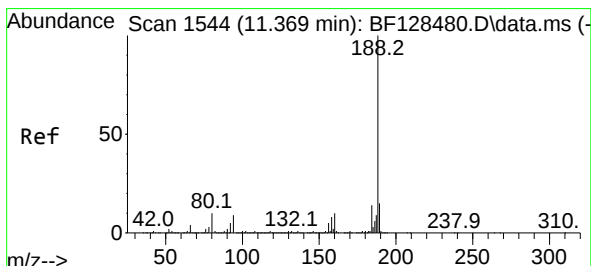
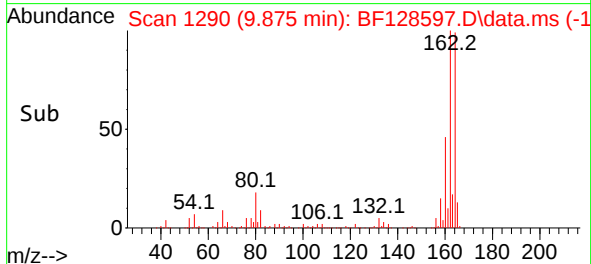
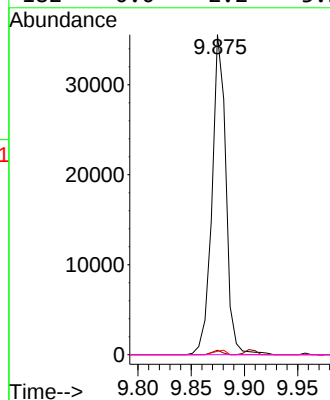
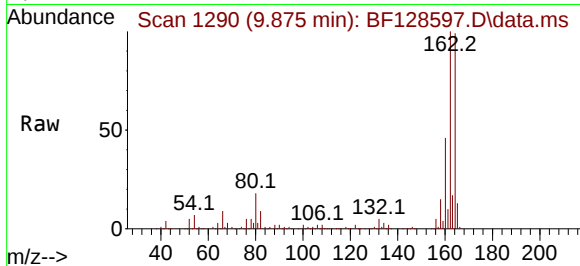




#57
2,4-Dinitrotoluene
Concen: 8.940 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF128597.D
Acq: 31 May 2022 16:19

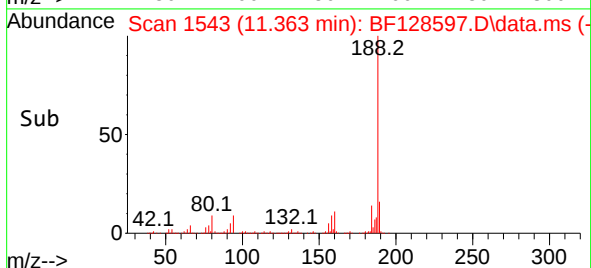
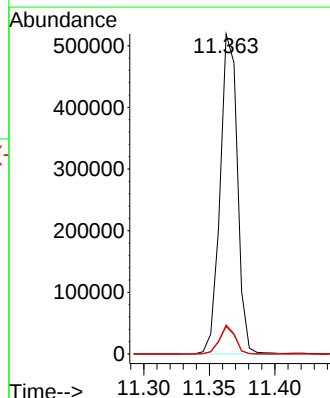
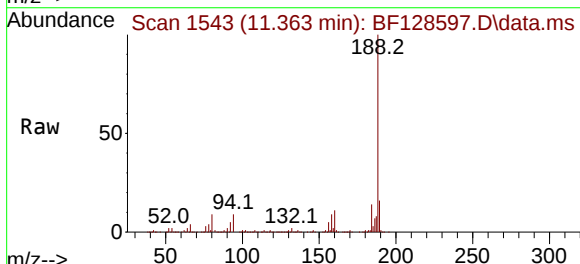
Instrument :
BNA_F
ClientSampleId :
WC-6

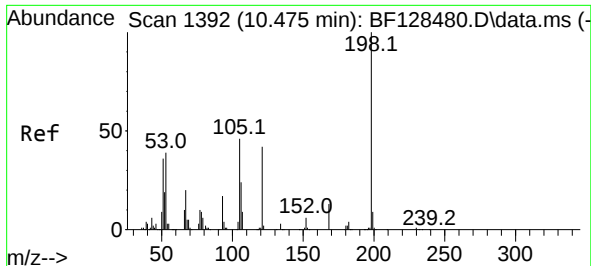
Tgt Ion:	165	Resp:	32367
Ion Ratio	Lower	Upper	
165	100		
63	1.4	39.8	59.6#
89	1.0	60.2	90.2#
182	0.0	2.2	3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1543
Delta R.T. -0.006 min
Lab File: BF128597.D
Acq: 31 May 2022 16:19

Tgt Ion:	188	Resp:	475427
Ion Ratio	Lower	Upper	
188	100		
94	8.6	7.0	10.6
80	9.1	7.6	11.4

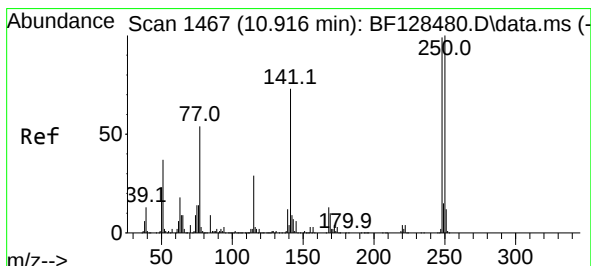
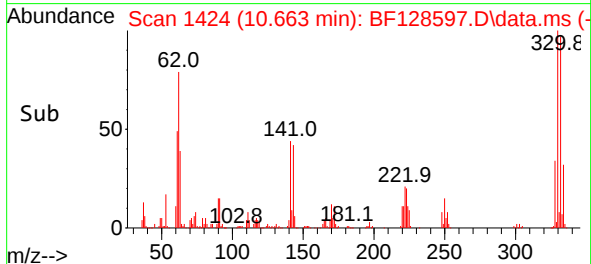
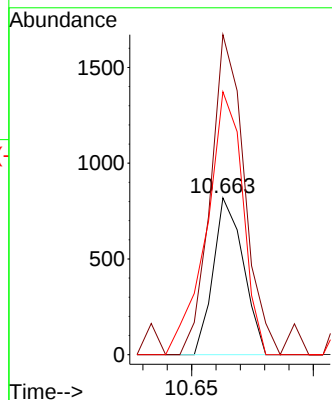
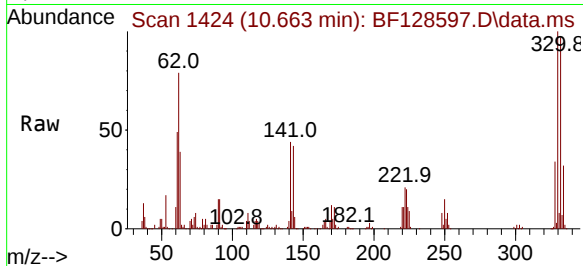




#65
4,6-Dinitro-2-methylphenol
Concen: 5.786 ng
RT: 10.663 min Scan# 1414
Delta R.T. 0.188 min
Lab File: BF128597.D
Acq: 31 May 2022 16:19

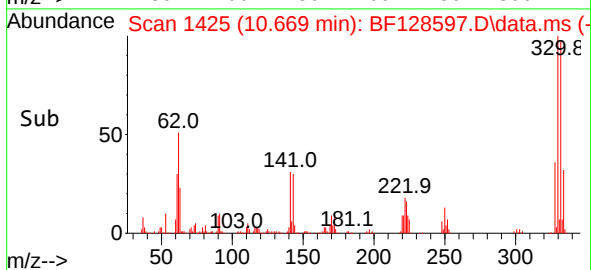
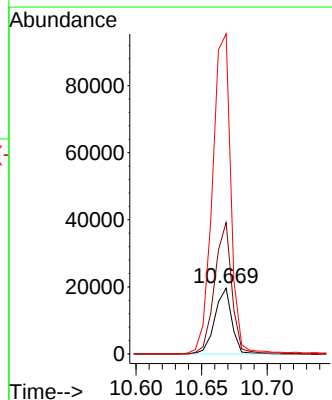
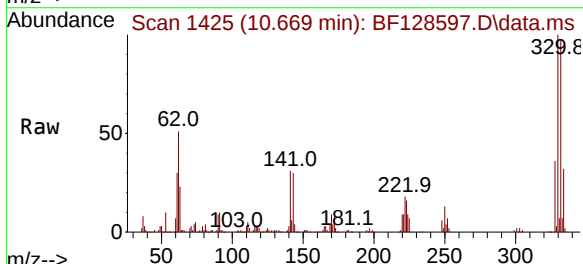
Instrument :
BNA_F
ClientSampleId :
WC-6

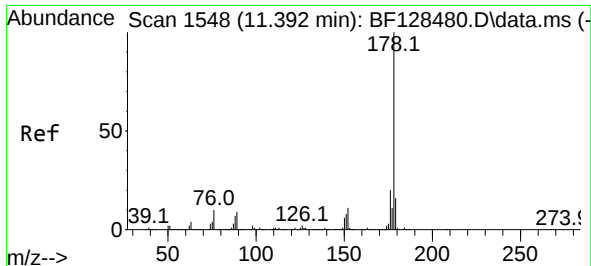
Tgt Ion:198 Resp: 704
Ion Ratio Lower Upper
198 100
51 204.0 37.6 77.6#
105 167.6 27.0 67.0#



#67
4-Bromophenyl-phenylether
Concen: 3.587 ng
RT: 10.669 min Scan# 1425
Delta R.T. -0.247 min
Lab File: BF128597.D
Acq: 31 May 2022 16:19

Tgt Ion:248 Resp: 17621
Ion Ratio Lower Upper
248 100
250 200.0 80.6 120.8#
141 487.1 58.9 88.3#

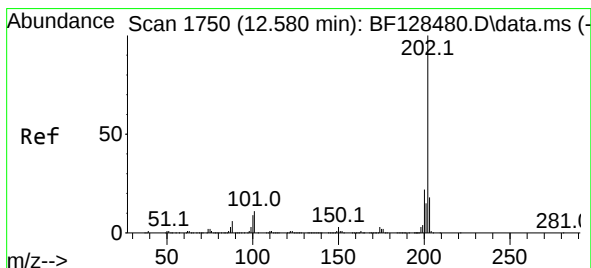
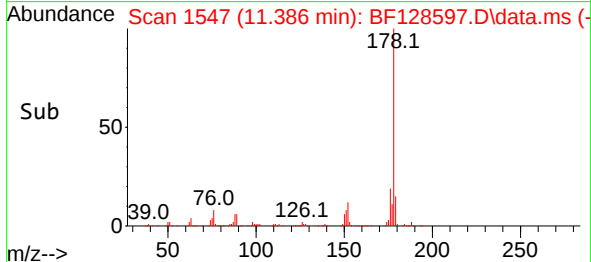
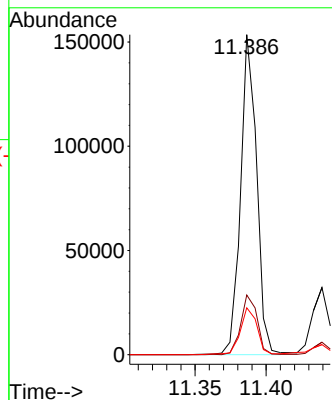
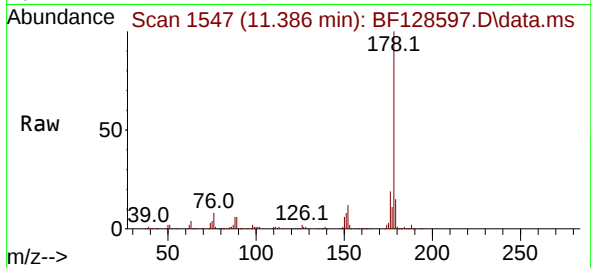




#71
Phenanthrene
Concen: 5.368 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128597.D
Acq: 31 May 2022 16:19

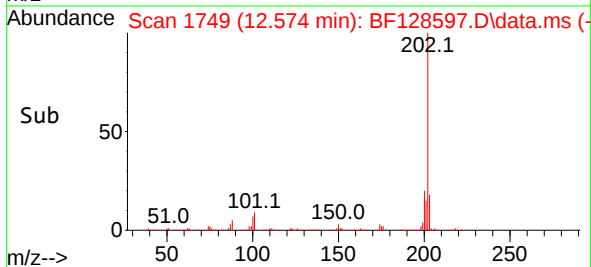
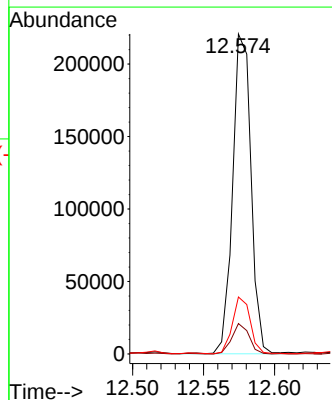
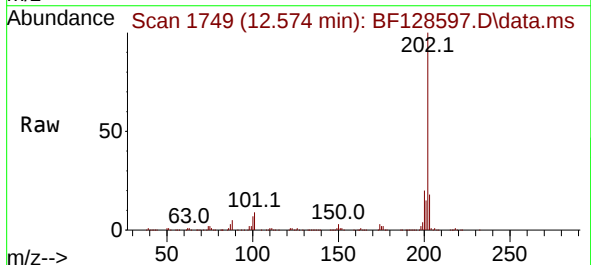
Instrument :
BNA_F
ClientSampleId :
WC-6

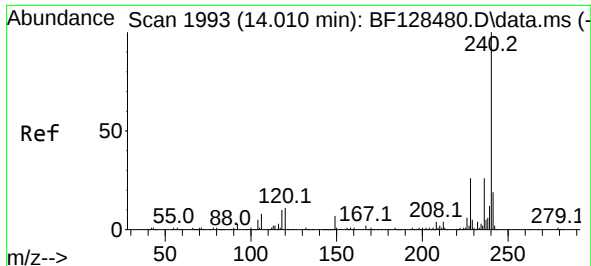
Tgt Ion:178 Resp: 120905
Ion Ratio Lower Upper
178 100
176 18.7 16.0 24.0
179 14.6 12.6 19.0



#75
Fluoranthene
Concen: 8.233 ng
RT: 12.574 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BF128597.D
Acq: 31 May 2022 16:19

Tgt Ion:202 Resp: 198233
Ion Ratio Lower Upper
202 100
101 9.5 0.0 31.4
203 17.8 0.0 38.0

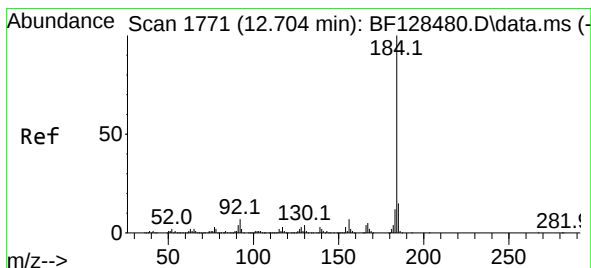
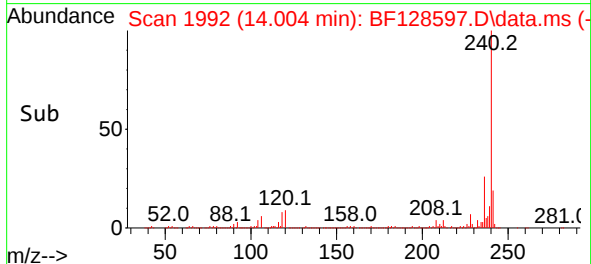
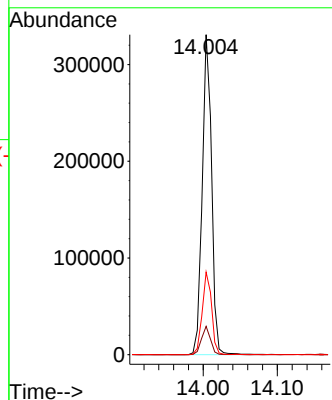
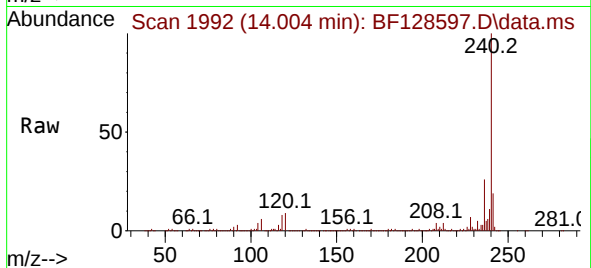




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF128597.D
Acq: 31 May 2022 16:19

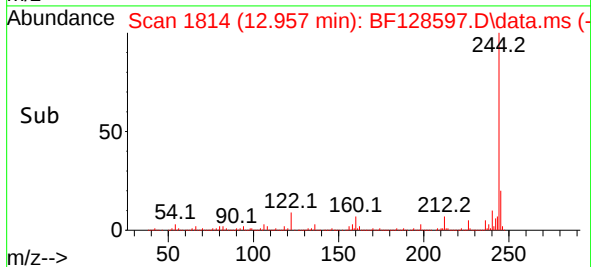
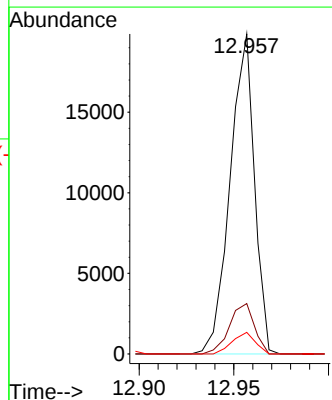
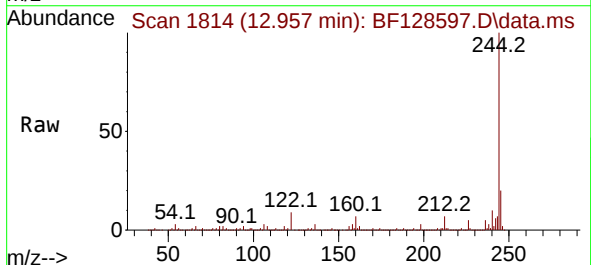
Instrument :
BNA_F
ClientSampleId :
WC-6

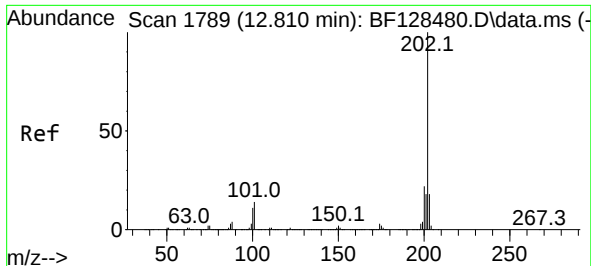
Tgt Ion:240 Resp: 289508
Ion Ratio Lower Upper
240 100
120 8.9 8.9 13.3#
236 25.8 20.8 31.2



#77
Benzidine
Concen: 2.655 ng
RT: 12.957 min Scan# 1814
Delta R.T. 0.253 min
Lab File: BF128597.D
Acq: 31 May 2022 16:19

Tgt Ion:184 Resp: 17729
Ion Ratio Lower Upper
184 100
185 15.8 11.9 17.9
183 6.8 9.3 13.9#

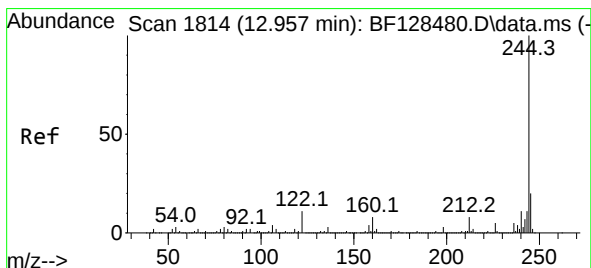
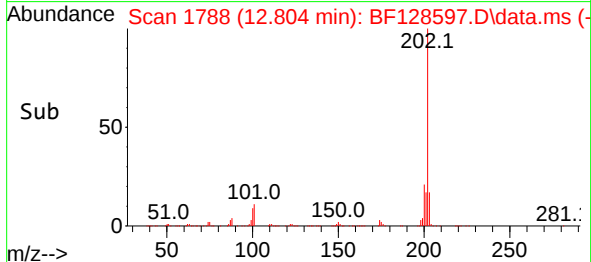
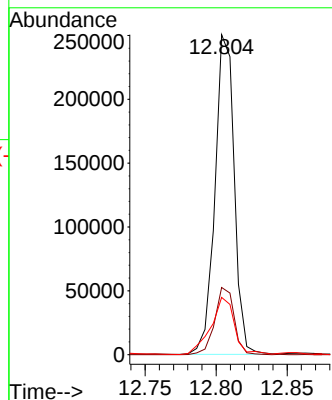
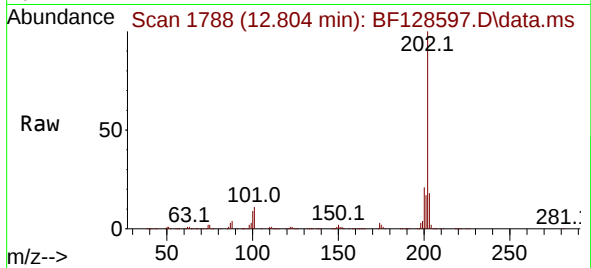




#78
Pyrene
Concen: 10.851 ng
RT: 12.804 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF128597.D
Acq: 31 May 2022 16:19

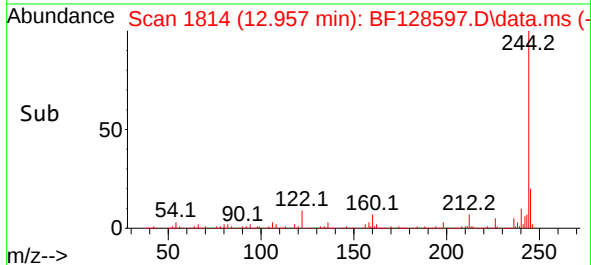
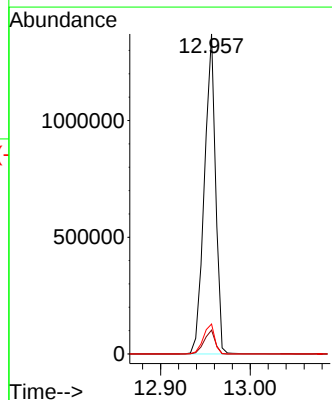
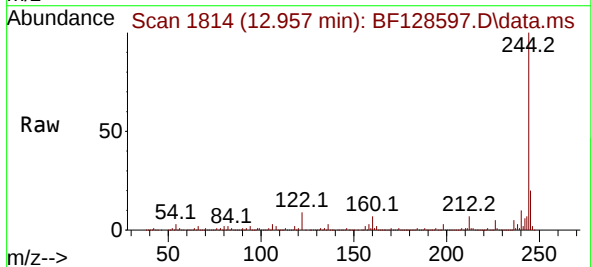
Instrument :
BNA_F
ClientSampleId :
WC-6

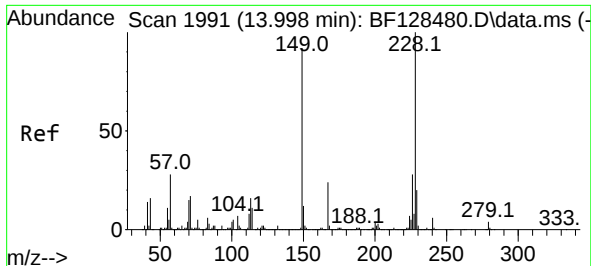
Tgt Ion:202 Resp: 236673
Ion Ratio Lower Upper
202 100
200 21.0 17.7 26.5
203 17.9 14.6 21.8



#79
Terphenyl-d14
Concen: 79.178 ng
RT: 12.957 min Scan# 1814
Delta R.T. -0.000 min
Lab File: BF128597.D
Acq: 31 May 2022 16:19

Tgt Ion:244 Resp: 1186495
Ion Ratio Lower Upper
244 100
212 7.4 6.1 9.1
122 9.3 8.8 13.2

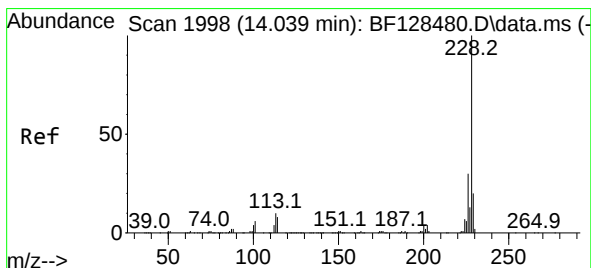
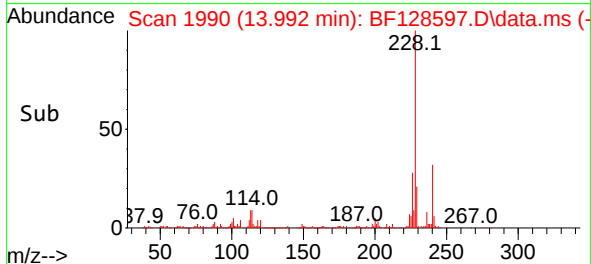
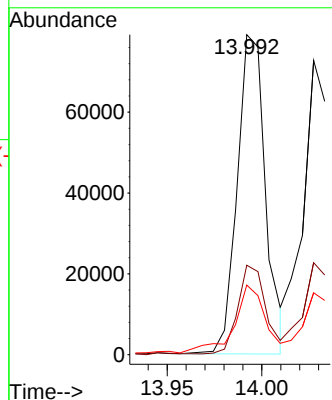
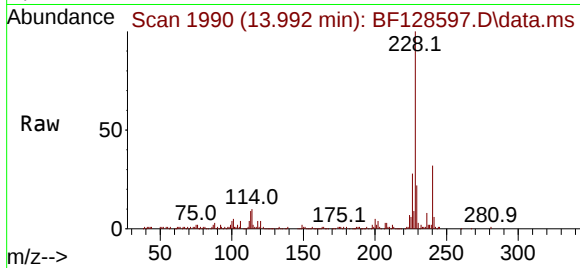




#81
Benzo(a)anthracene
Concen: 4.764 ng
RT: 13.992 min Scan# 1991
Delta R.T. -0.006 min
Lab File: BF128597.D
Acq: 31 May 2022 16:19

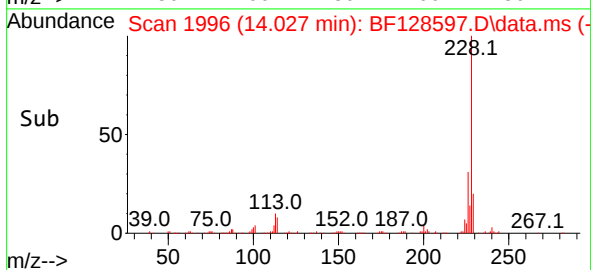
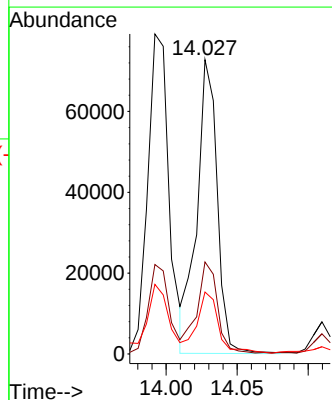
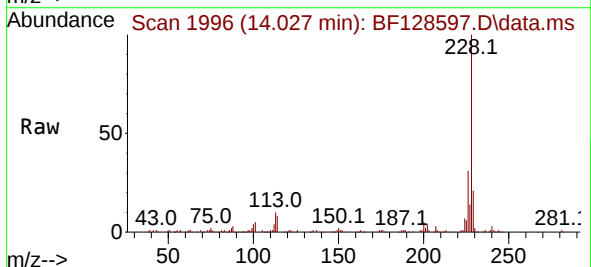
Instrument :
BNA_F
ClientSampleId :
WC-6

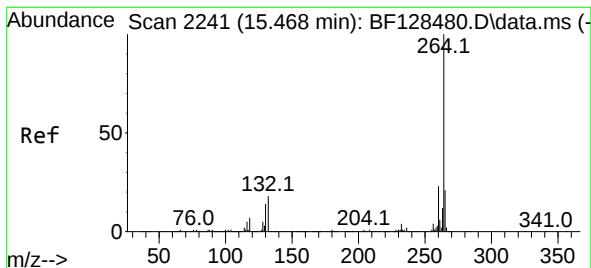
Tgt Ion:228 Resp: 81970
Ion Ratio Lower Upper
228 100
226 28.0 22.1 33.1
229 21.8 15.8 23.8



#83
Chrysene
Concen: 4.116 ng
RT: 14.027 min Scan# 1996
Delta R.T. -0.012 min
Lab File: BF128597.D
Acq: 31 May 2022 16:19

Tgt Ion:228 Resp: 72529
Ion Ratio Lower Upper
228 100
226 31.3 24.3 36.5
229 21.0 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF128597.D

Acq: 31 May 2022 16:19

Instrument :

BNA_F

ClientSampleId :

WC-6

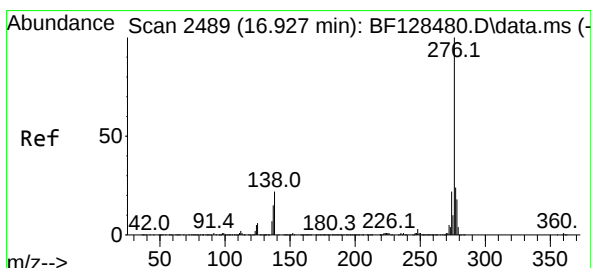
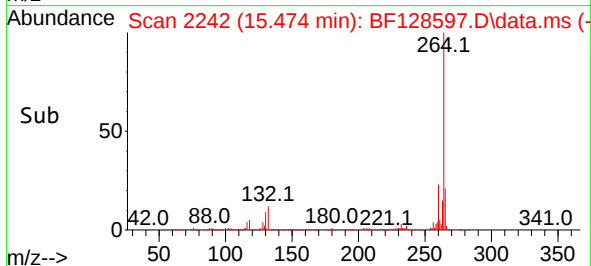
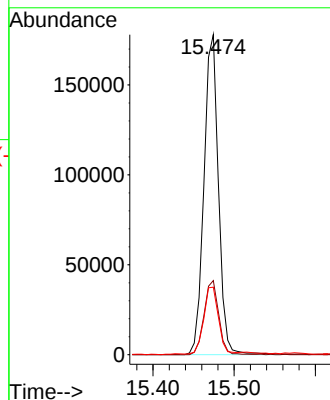
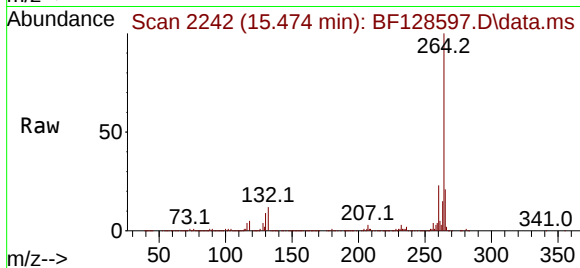
Tgt Ion:264 Resp: 220529

Ion Ratio Lower Upper

264 100

260 23.1 18.4 27.6

265 21.1 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.094 ng

RT: 16.921 min Scan# 2488

Delta R.T. -0.006 min

Lab File: BF128597.D

Acq: 31 May 2022 16:19

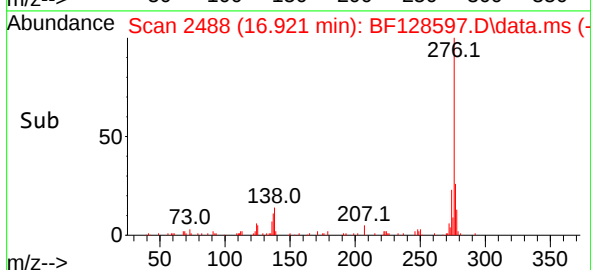
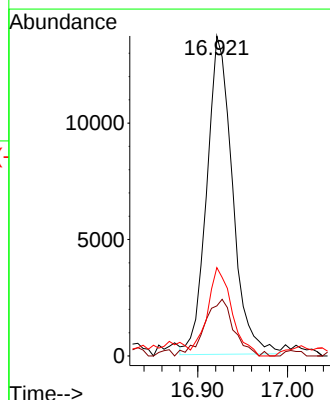
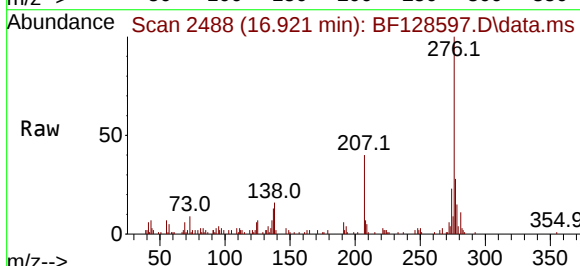
Tgt Ion:276 Resp: 27232

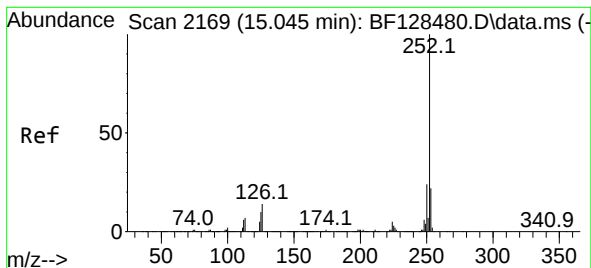
Ion Ratio Lower Upper

276 100

138 20.3 21.1 31.7#

277 26.2 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 5.472 ng

RT: 15.045 min Scan# 2169

Delta R.T. -0.000 min

Lab File: BF128597.D

Acq: 31 May 2022 16:19

Instrument :

BNA_F

ClientSampleId :

WC-6

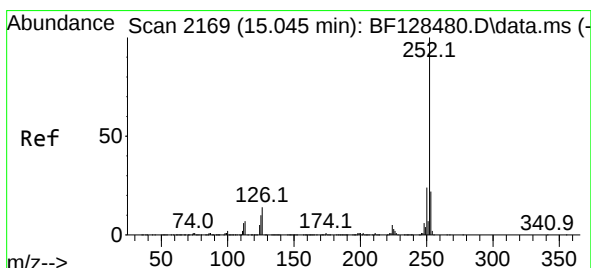
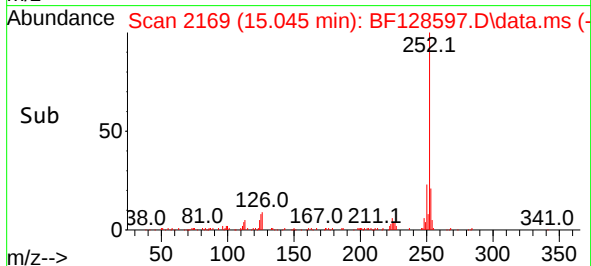
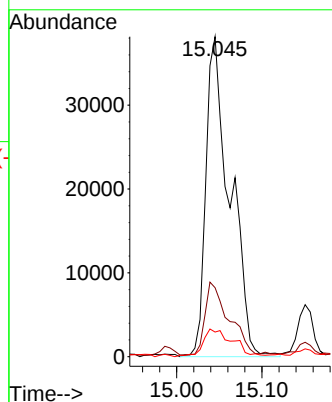
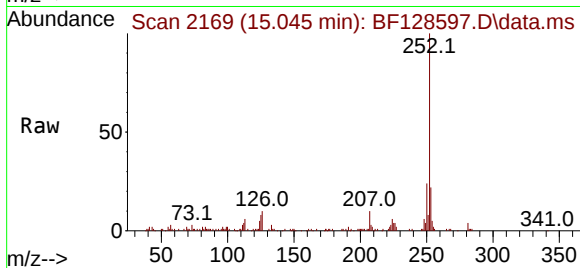
Tgt Ion:252 Resp: 75072

Ion Ratio Lower Upper

252 100

253 21.5 17.7 26.5

125 7.7 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 5.906 ng

RT: 15.045 min Scan# 2169

Delta R.T. -0.029 min

Lab File: BF128597.D

Acq: 31 May 2022 16:19

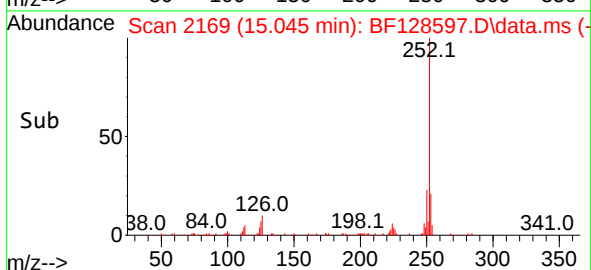
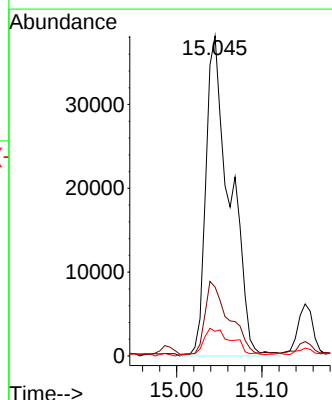
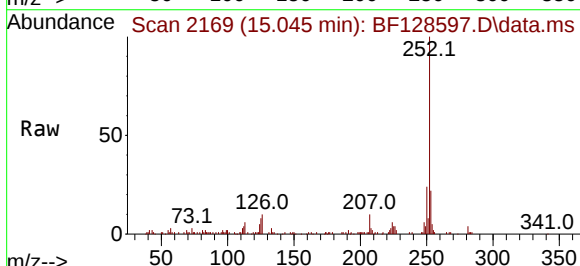
Tgt Ion:252 Resp: 75072

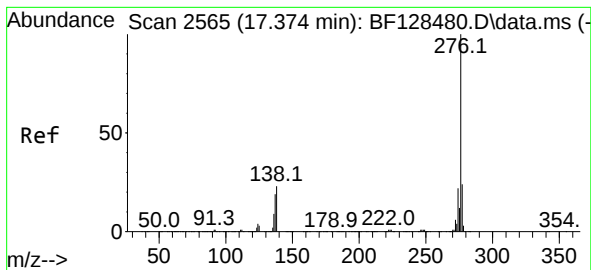
Ion Ratio Lower Upper

252 100

253 21.5 17.8 26.6

125 7.7 8.3 12.5#





#92

Benzo(g,h,i)perylene

Concen: 2.771 ng

RT: 17.362 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF128597.D

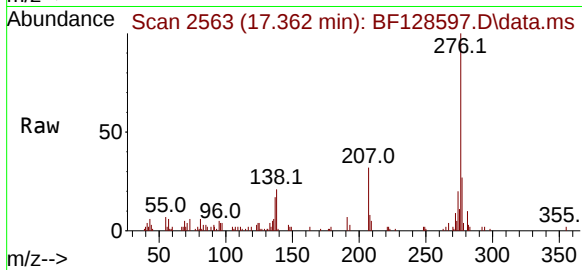
Acq: 31 May 2022 16:19

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:276 Resp: 29637

Ion Ratio Lower Upper

276 100

277 27.5 19.1 28.7

138 21.0 18.0 27.0

