

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
 Data File : BF125984.D
 Acq On : 28 Oct 2021 12:36
 Operator : JU/CG
 Sample : M4358-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TH-GS

Quant Time: Oct 28 15:21:36 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 28 12:01:54 2021
 Response via : Initial Calibration

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

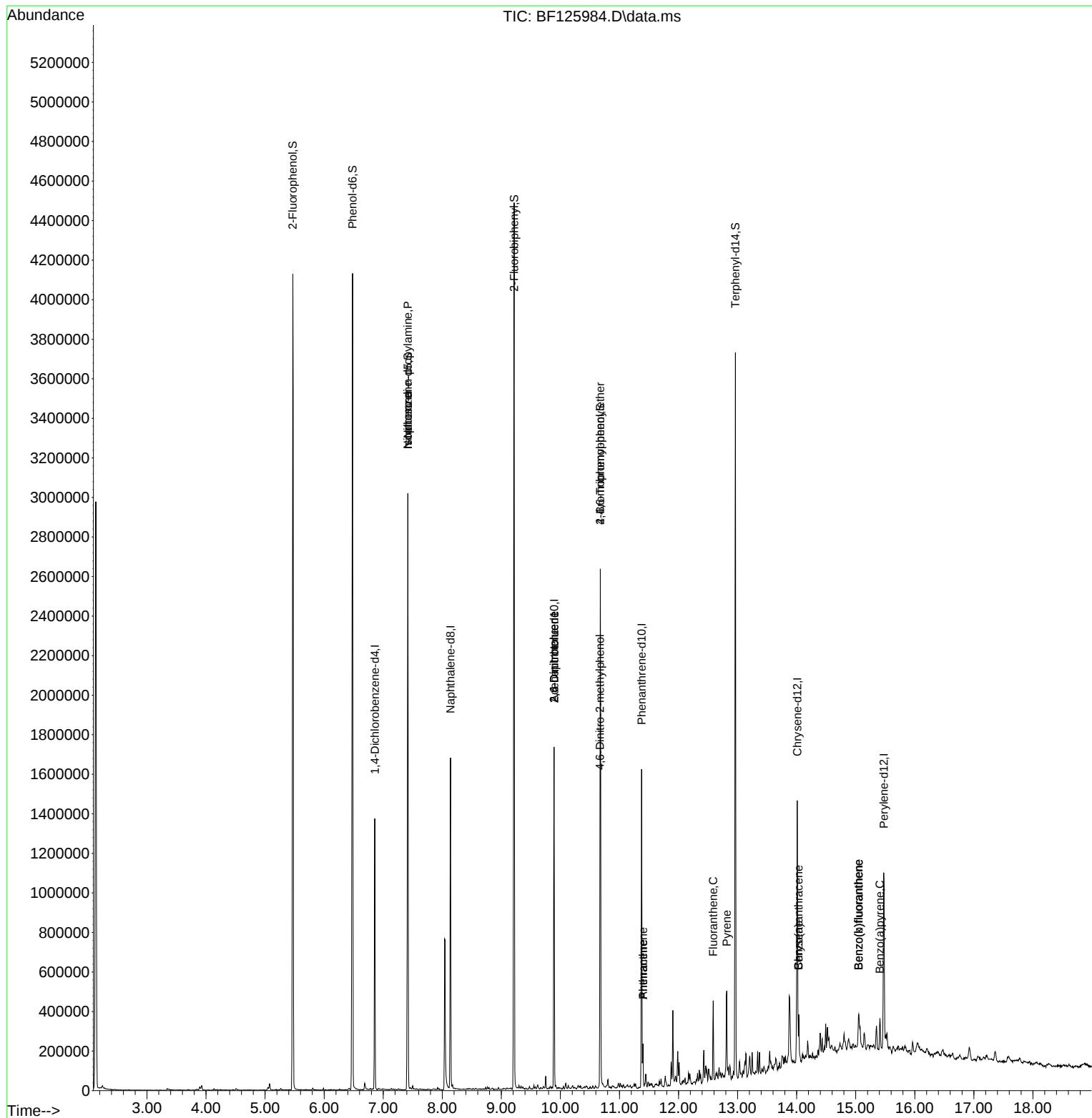
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	163619	20.000	ng	0.00
21) Naphthalene-d8	8.140	136	637176	20.000	ng	# 0.00
39) Acenaphthene-d10	9.892	164	329270	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	531308	20.000	ng	0.00
76) Chrysene-d12	14.010	240	398842	20.000	ng	-0.01
86) Perylene-d12	15.474	264	400037	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	1050175	95.604	ng	0.00
7) Phenol-d6	6.481	99	1332075	88.414	ng	0.00
23) Nitrobenzene-d5	7.416	82	868604	70.415	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	269412	93.859	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	1318071	70.790	ng	0.00
79) Terphenyl-d14	12.963	244	1122415	46.032	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	116180	13.497	ng	# 58
25) Isophorone	7.416	82	865280	36.834	ng	# 59
51) 2,6-Dinitrotoluene	9.892	165	42306	10.516	ng	# 28
57) 2,4-Dinitrotoluene	9.892	165	42306	8.562	ng	# 19
58) Fluorene	10.439	166	5171	Below Cal		# 70
65) 4,6-Dinitro-2-methylph...	10.669	198	676	6.318	ng	# 1
67) 4-Bromophenyl-phenylether	10.675	248	18199	3.206	ng	# 1
71) Phenanthrene	11.398	178	68912	2.500	ng	98
72) Anthracene	11.398	178	68912	2.504	ng	99
75) Fluoranthene	12.586	202	136963	4.928	ng	99
78) Pyrene	12.816	202	187955	5.064	ng	99
81) Benzo(a)anthracene	14.033	228	96300	3.587	ng	97
83) Chrysene	14.033	228	96300	3.546	ng	97
88) Benzo(b)fluoranthene	15.051	252	129410	4.901	ng	98
89) Benzo(k)fluoranthene	15.051	252	129410	5.102	ng	# 96
90) Benzo(a)pyrene	15.410	252	76998	3.612	ng	96

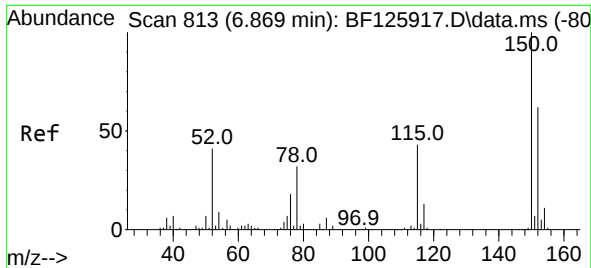
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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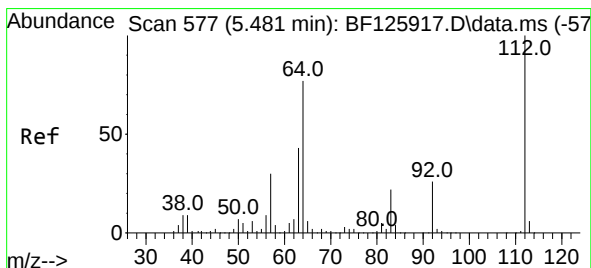
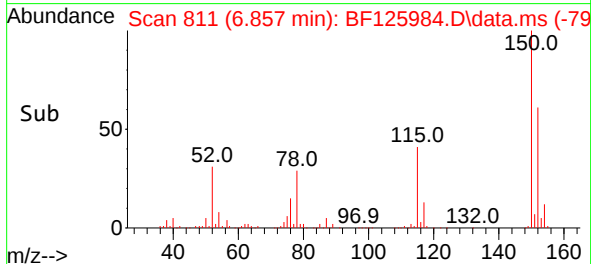
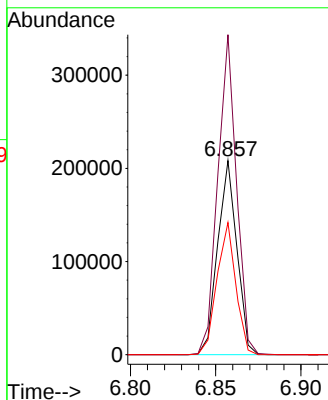
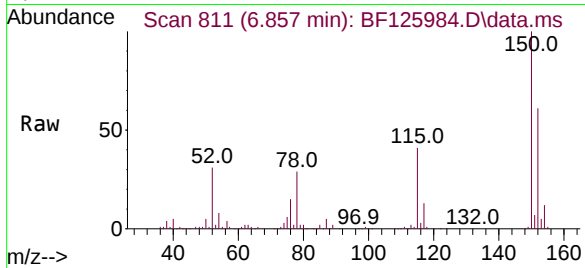




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF125984.D
Acq: 28 Oct 2021 12:36

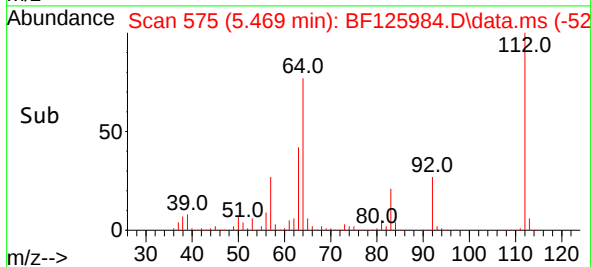
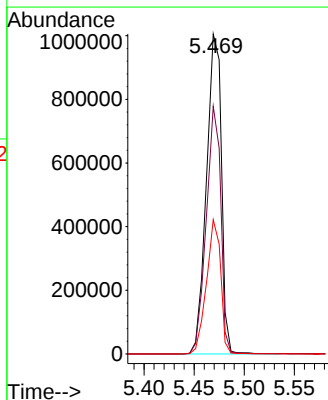
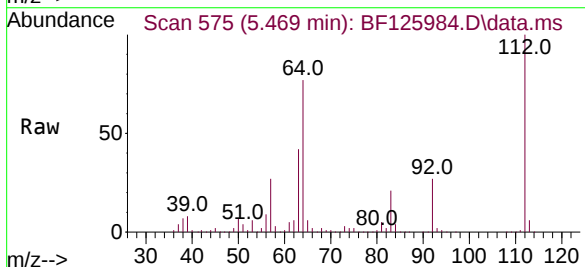
Instrument :
BNA_F
ClientSampleId :
TH-GS

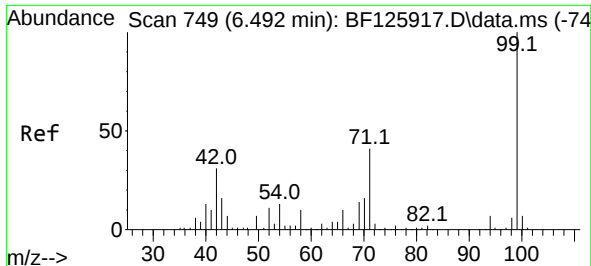
Tgt Ion:152 Resp: 163619
Ion Ratio Lower Upper
152 100
150 164.9 117.6 176.4
115 68.1 47.1 70.7



#5
2-Fluorophenol
Concen: 95.604 ng
RT: 5.469 min Scan# 575
Delta R.T. -0.006 min
Lab File: BF125984.D
Acq: 28 Oct 2021 12:36

Tgt Ion:112 Resp: 1050175
Ion Ratio Lower Upper
112 100
64 77.4 44.2 66.2#
63 41.9 26.2 39.2#

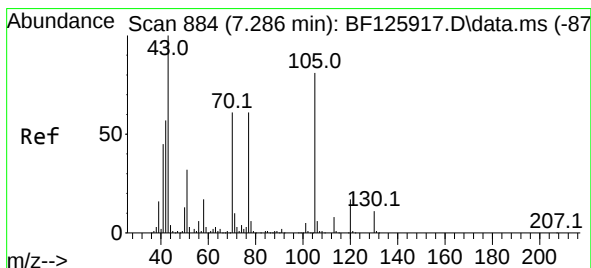
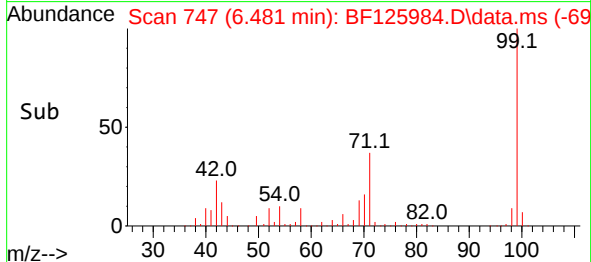
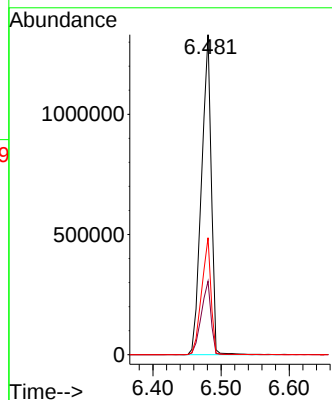
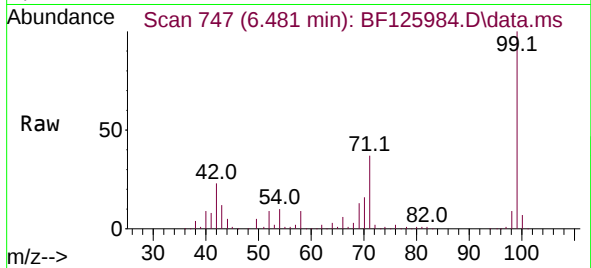




#7
Phenol-d6
Concen: 88.414 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF125984.D
Acq: 28 Oct 2021 12:36

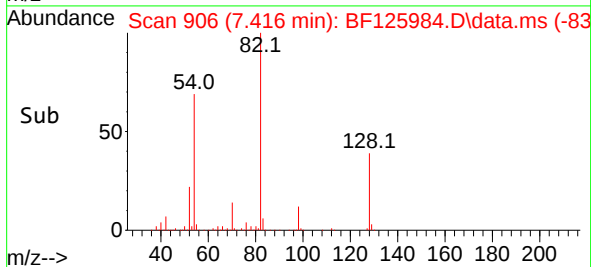
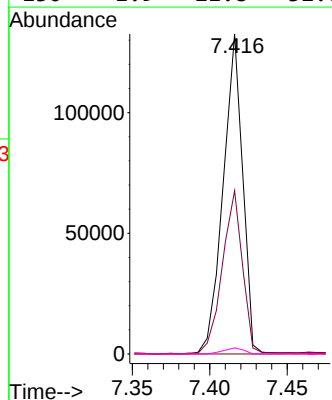
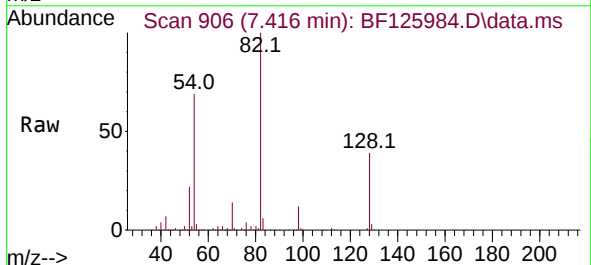
Instrument :
BNA_F
ClientSampled :
TH-GS

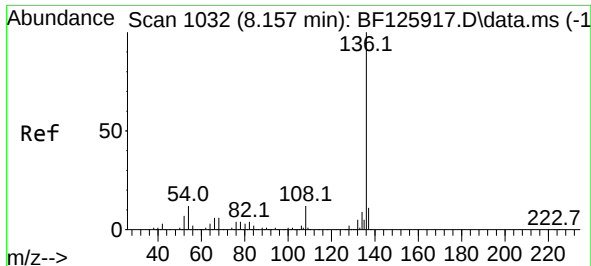
Tgt Ion: 99 Resp: 1332075
Ion Ratio Lower Upper
99 100
42 23.0 23.5 35.3#
71 36.6 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 13.497 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.135 min
Lab File: BF125984.D
Acq: 28 Oct 2021 12:36

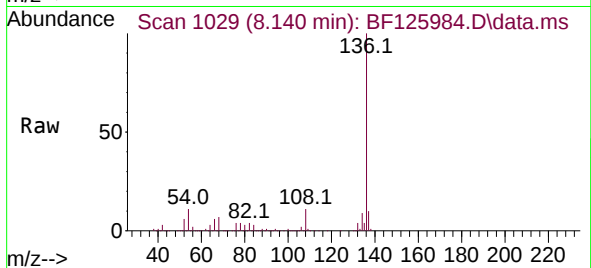
Tgt Ion: 70 Resp: 116180
Ion Ratio Lower Upper
70 100
42 51.0 72.2 108.2#
101 0.0 7.8 11.8#
130 1.9 21.8 32.6#



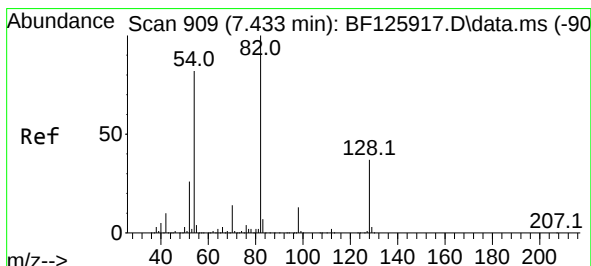
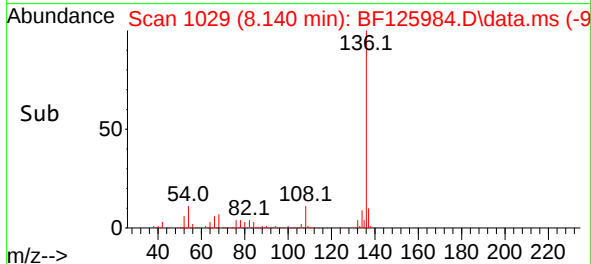
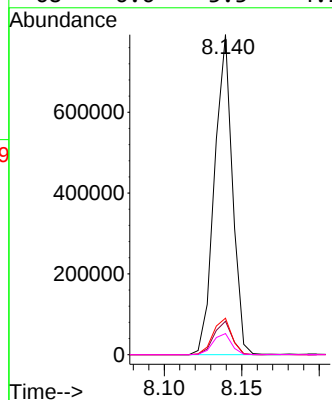


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.140 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF125984.D
Acq: 28 Oct 2021 12:36

Instrument :
BNA_F
ClientSampleId :
TH-GS

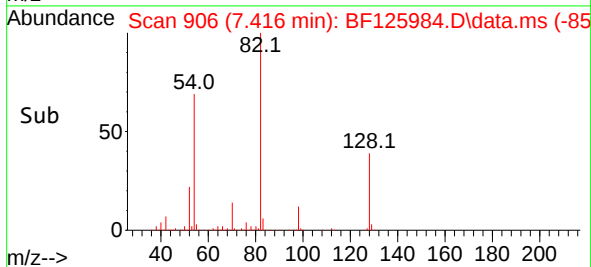
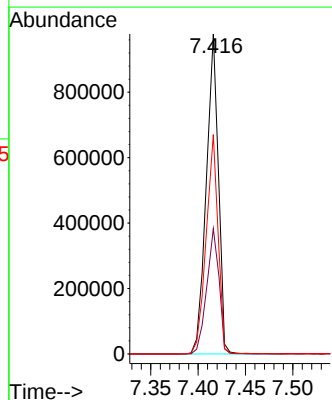
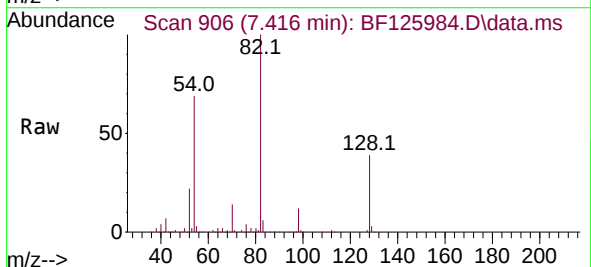


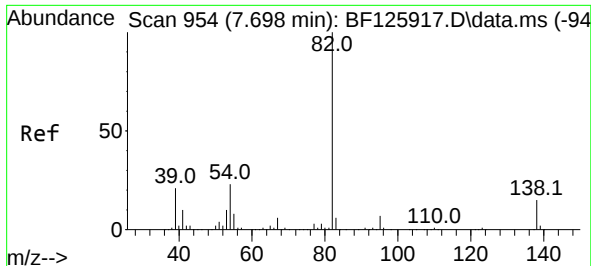
Tgt Ion:	136	Resp:	637176
Ion Ratio	Lower	Upper	
136	100		
137	10.4	9.8	14.6
54	11.4	6.4	9.6#
68	6.6	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 70.415 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF125984.D
Acq: 28 Oct 2021 12:36

Tgt Ion:	82	Resp:	868604
Ion Ratio	Lower	Upper	
82	100		
128	39.2	40.6	60.8#
54	68.5	49.6	74.4

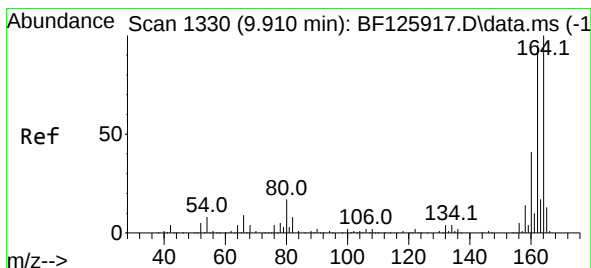
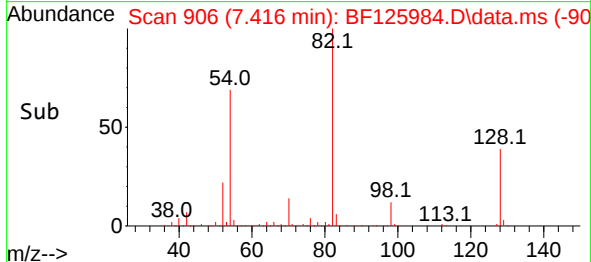
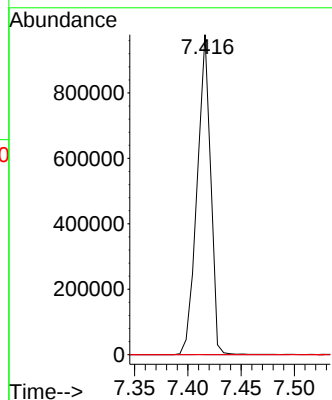
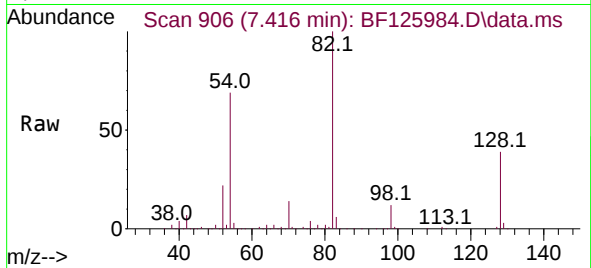




#25
Isophorone
Concen: 36.834 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.271 min
Lab File: BF125984.D
Acq: 28 Oct 2021 12:36

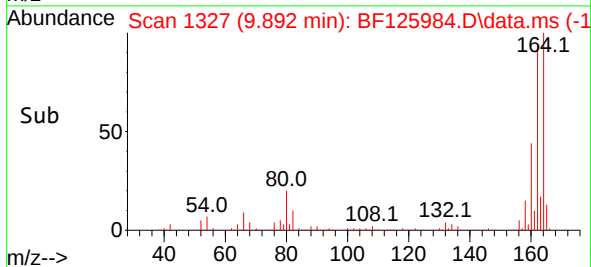
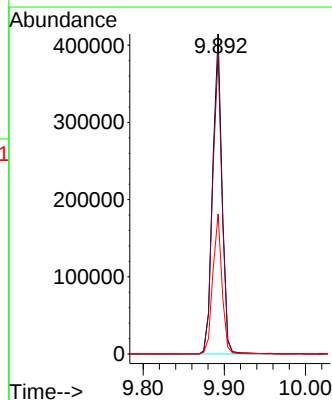
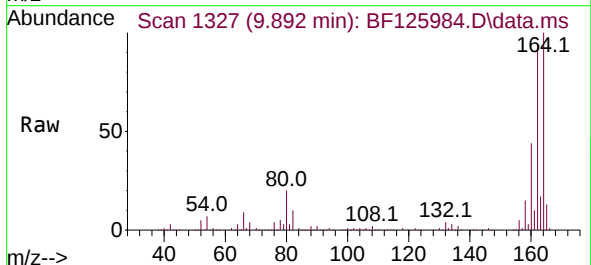
Instrument :
BNA_F
ClientSampleId :
TH-GS

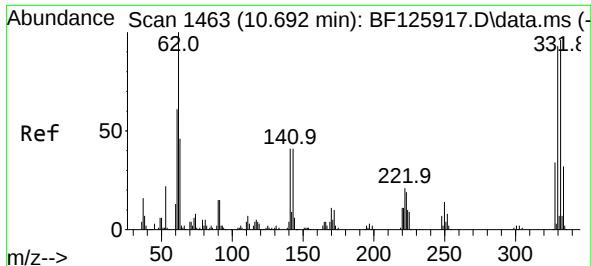
Tgt Ion: 82 Resp: 865280
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF125984.D
Acq: 28 Oct 2021 12:36

Tgt Ion: 164 Resp: 329270
Ion Ratio Lower Upper
164 100
162 93.7 81.3 121.9
160 43.7 38.0 57.0

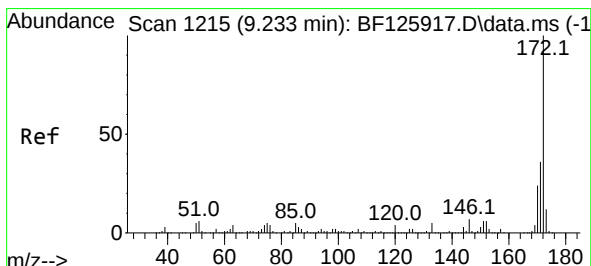
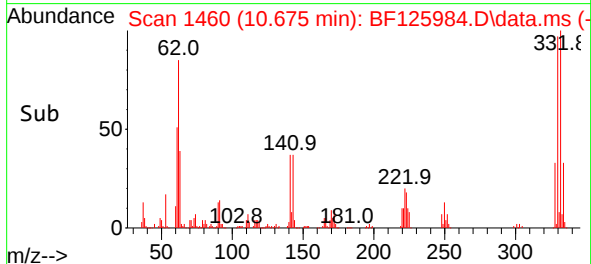
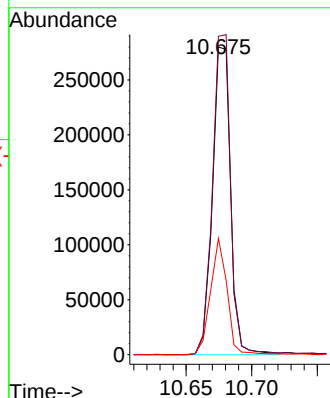
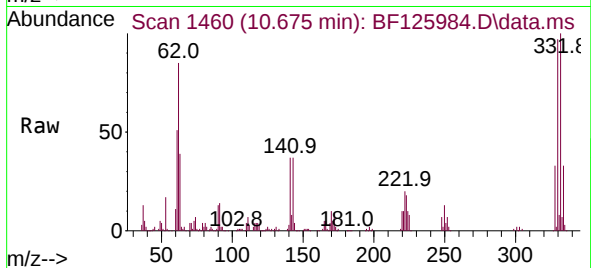




#42
2,4,6-Tribromophenol
Concen: 93.859 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF125984.D
Acq: 28 Oct 2021 12:36

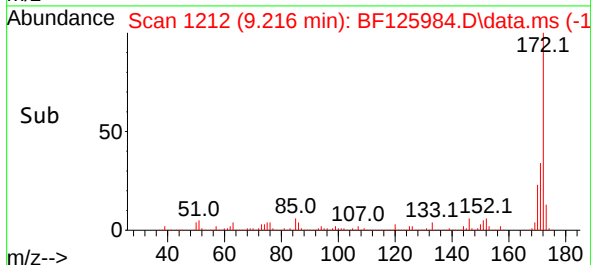
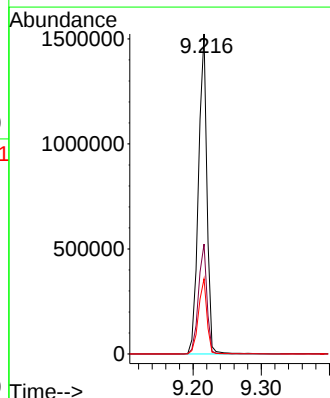
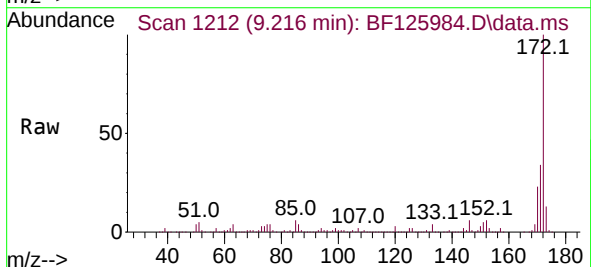
Instrument :
BNA_F
ClientSampled :
TH-GS

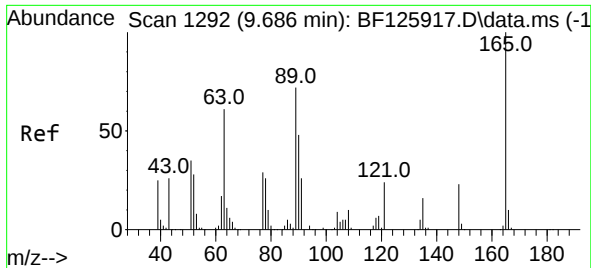
Tgt Ion:330 Resp: 269412
Ion Ratio Lower Upper
330 100
332 103.9 76.2 114.4
141 35.0 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 70.790 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF125984.D
Acq: 28 Oct 2021 12:36

Tgt Ion:172 Resp: 1318071
Ion Ratio Lower Upper
172 100
171 34.3 26.5 39.7
170 23.5 18.8 28.2

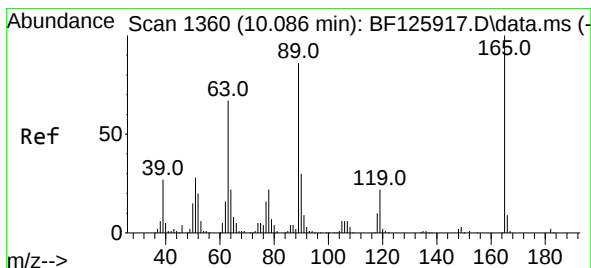
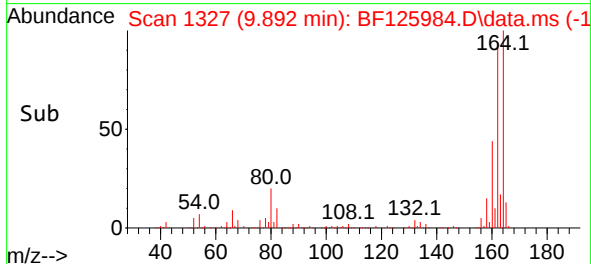
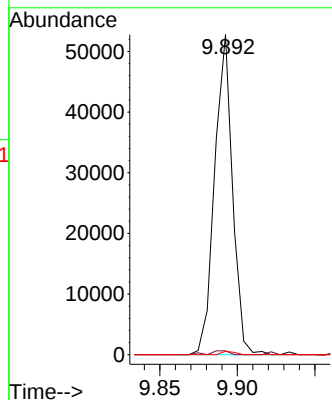
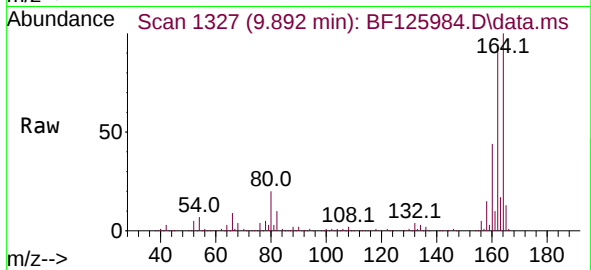




#51
2,6-Dinitrotoluene
Concen: 10.516 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.212 min
Lab File: BF125984.D
Acq: 28 Oct 2021 12:36

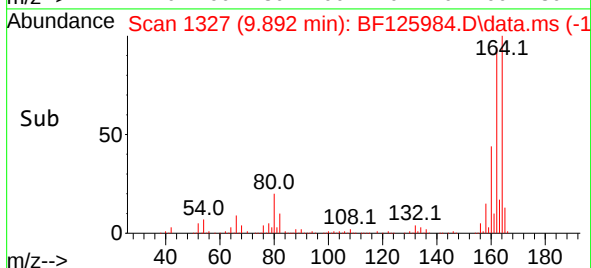
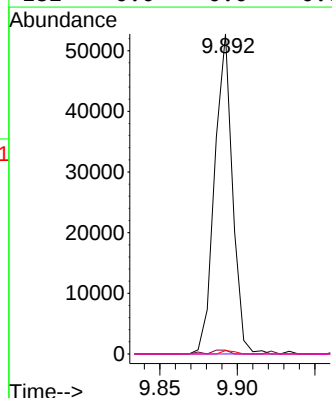
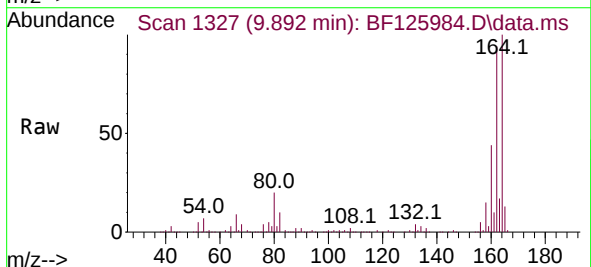
Instrument :
BNA_F
ClientSampled :
TH-GS

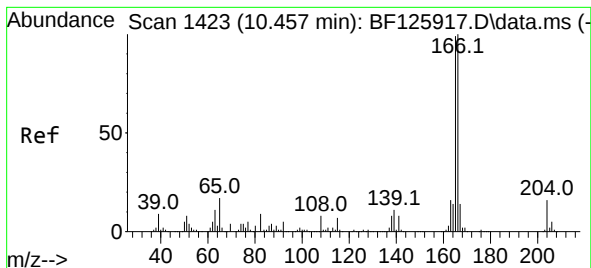
Tgt Ion:165 Resp: 42306
Ion Ratio Lower Upper
165 100
63 1.2 42.6 63.8#
89 1.0 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 8.562 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.188 min
Lab File: BF125984.D
Acq: 28 Oct 2021 12:36

Tgt Ion:165 Resp: 42306
Ion Ratio Lower Upper
165 100
63 1.2 40.9 61.3#
89 1.0 59.7 89.5#
182 0.0 0.0 0.0





#58

Fluorene

Concen: Below Cal

RT: 10.439 min Scan# 1420

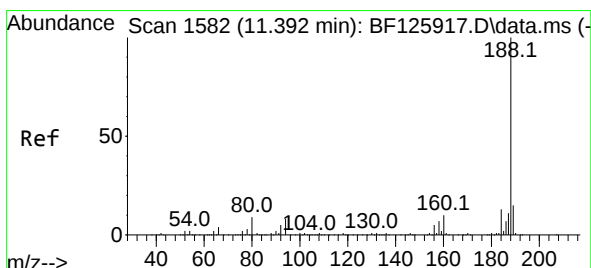
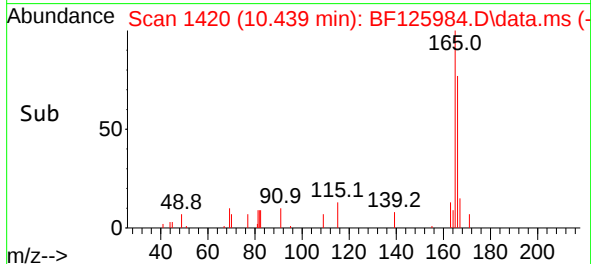
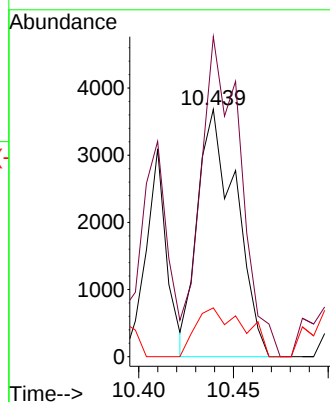
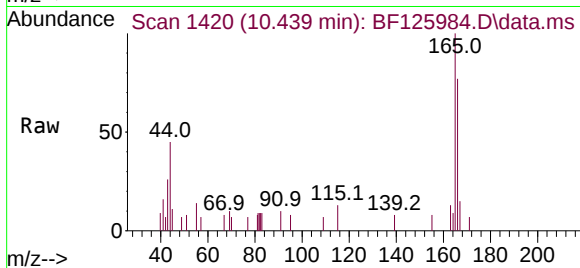
Delta R.T. -0.006 min

Lab File: BF125984.D

Acq: 28 Oct 2021 12:36

Tgt Ion:166	Resp:	5171
Ion Ratio	Lower	Upper
166	100	
165	129.4	78.1 117.1#
167	19.7	11.1 16.7#

Instrument :
BNA_F
ClientSampled :
TH-GS



#64

Phenanthrene-d10

Concen: 20.000 ng

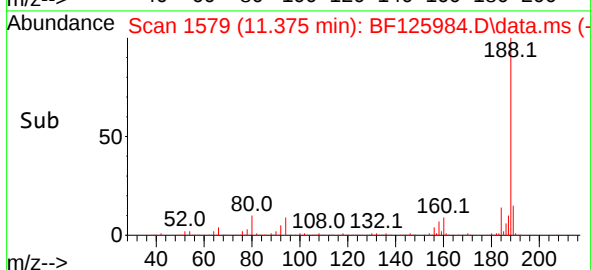
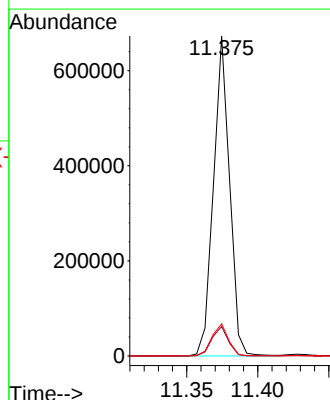
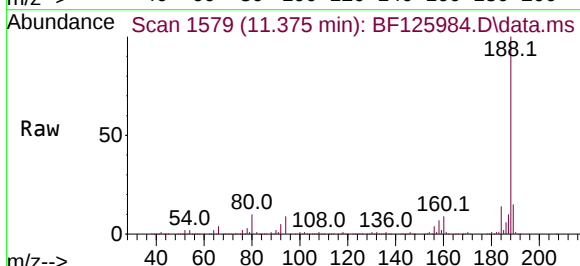
RT: 11.375 min Scan# 1579

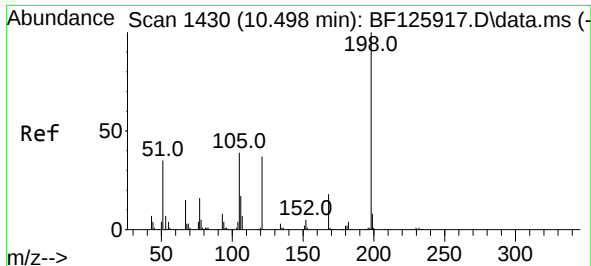
Delta R.T. -0.006 min

Lab File: BF125984.D

Acq: 28 Oct 2021 12:36

Tgt Ion:188	Resp:	531308
Ion Ratio	Lower	Upper
188	100	
94	9.2	6.7 10.1
80	10.0	7.5 11.3

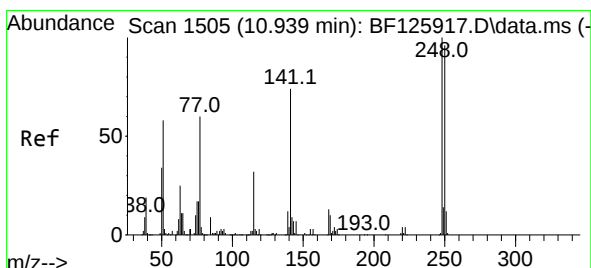
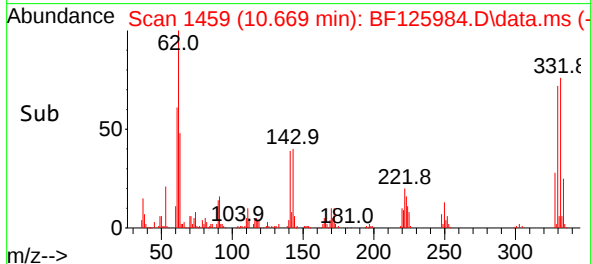
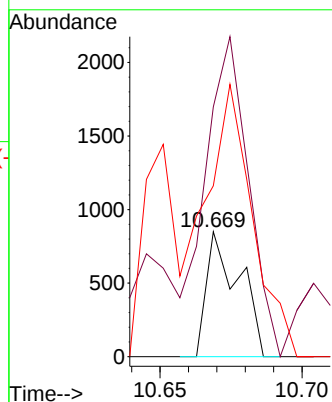
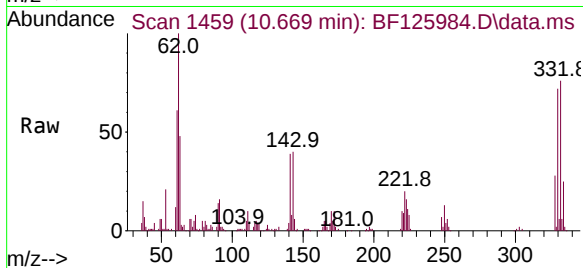




#65
4,6-Dinitro-2-methylphenol
Concen: 6.318 ng
RT: 10.669 min Scan# 1459
Delta R.T. 0.182 min
Lab File: BF125984.D
Acq: 28 Oct 2021 12:36

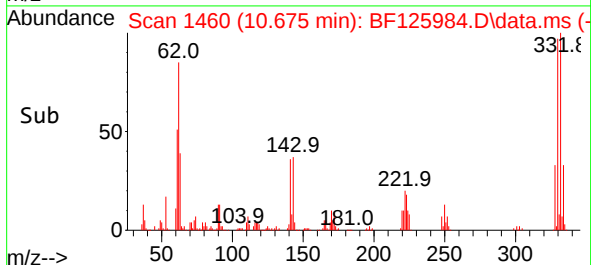
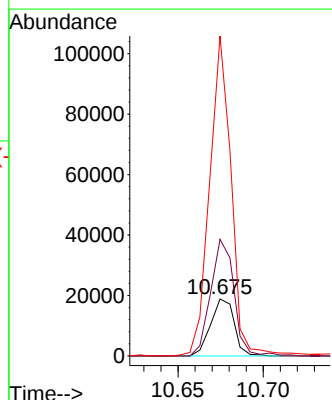
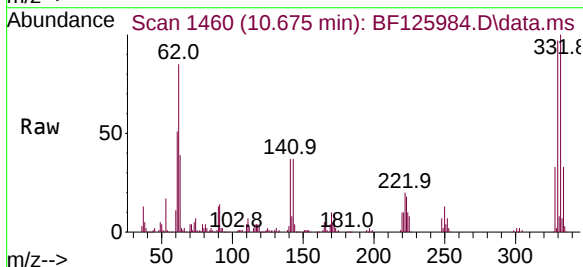
Instrument :
BNA_F
ClientSampled :
TH-GS

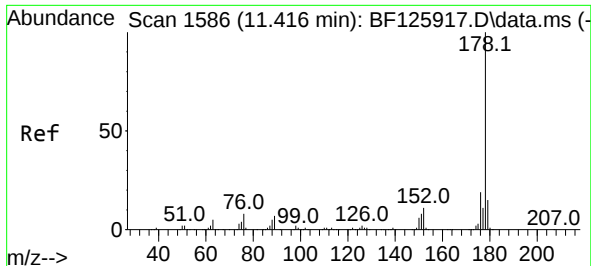
Tgt Ion:198 Resp: 676
Ion Ratio Lower Upper
198 100
51 200.0 45.3 85.3#
105 136.9 30.6 70.6#



#67
4-Bromophenyl-phenylether
Concen: 3.206 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.253 min
Lab File: BF125984.D
Acq: 28 Oct 2021 12:36

Tgt Ion:248 Resp: 18199
Ion Ratio Lower Upper
248 100
250 204.9 74.2 111.4#
141 561.7 60.4 90.6#

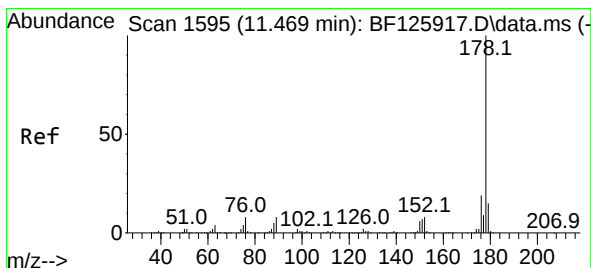
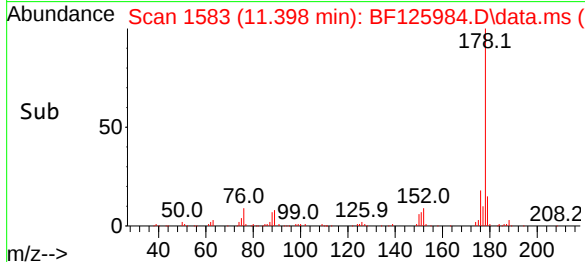
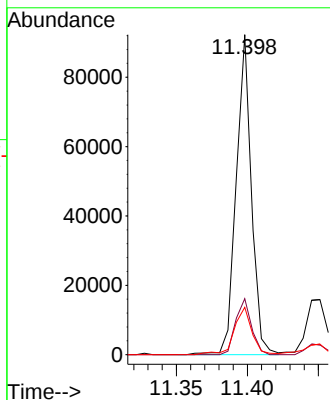
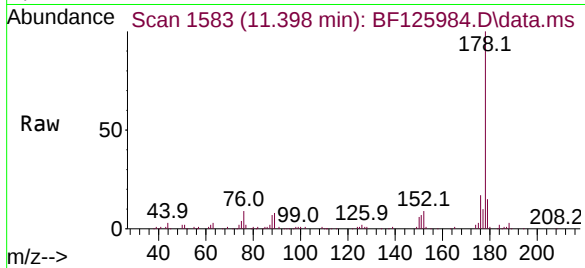




#71
Phenanthrene
Concen: 2.500 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BF125984.D
Acq: 28 Oct 2021 12:36

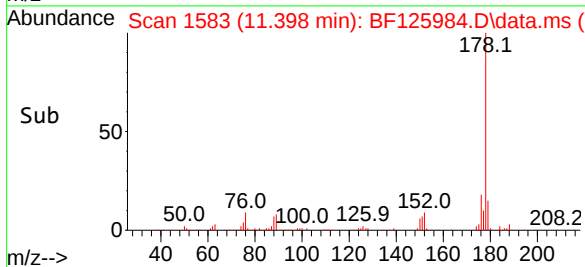
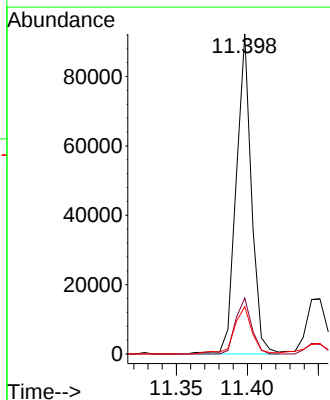
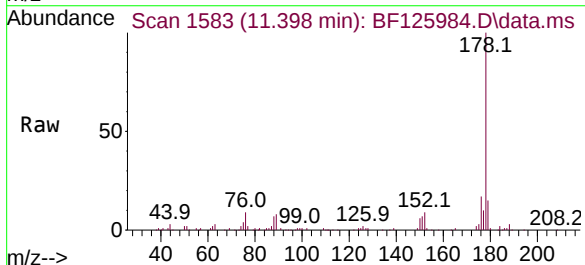
Instrument :
BNA_F
ClientSampled :
TH-GS

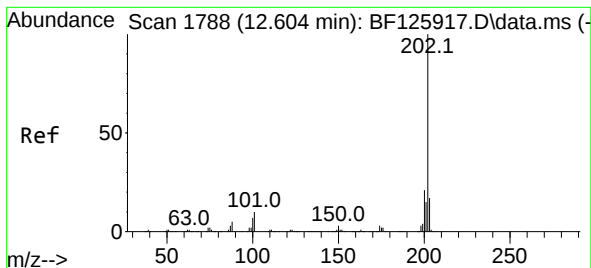
Tgt Ion:178 Resp: 68912
Ion Ratio Lower Upper
178 100
176 17.5 14.7 22.1
179 14.8 11.5 17.3



#72
Anthracene
Concen: 2.504 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.059 min
Lab File: BF125984.D
Acq: 28 Oct 2021 12:36

Tgt Ion:178 Resp: 68912
Ion Ratio Lower Upper
178 100
176 17.5 14.3 21.5
179 14.8 12.2 18.4

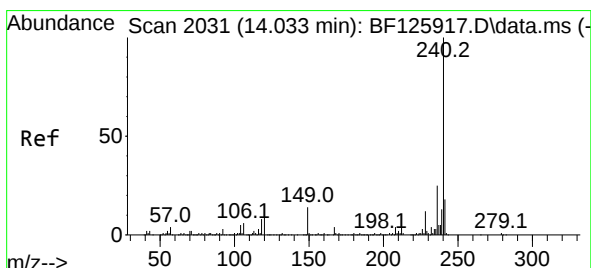
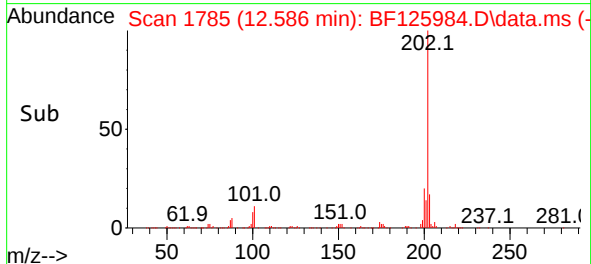
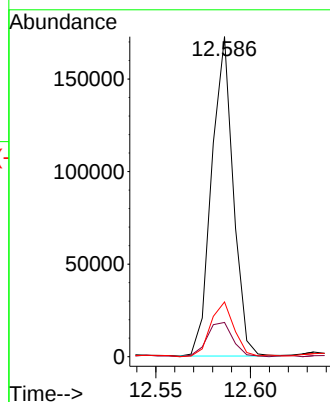
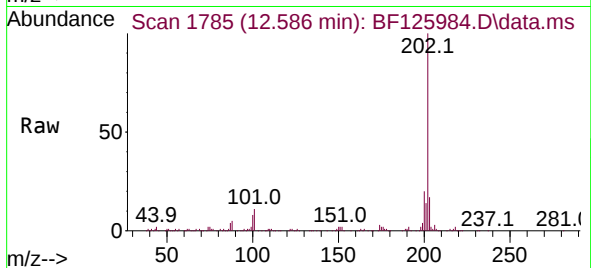




#75
Fluoranthene
Concen: 4.928 ng
RT: 12.586 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF125984.D
Acq: 28 Oct 2021 12:36

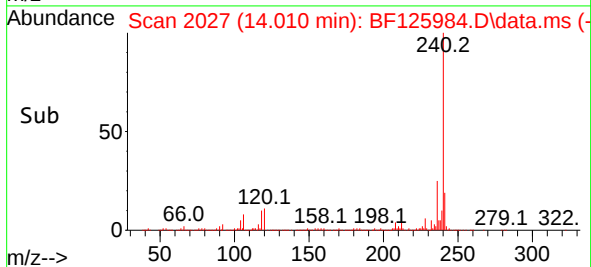
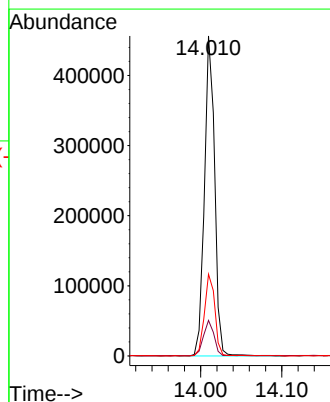
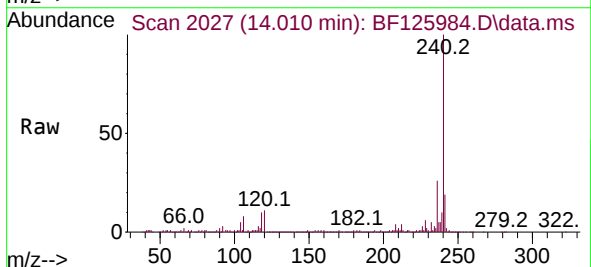
Instrument :
BNA_F
ClientSampleId :
TH-GS

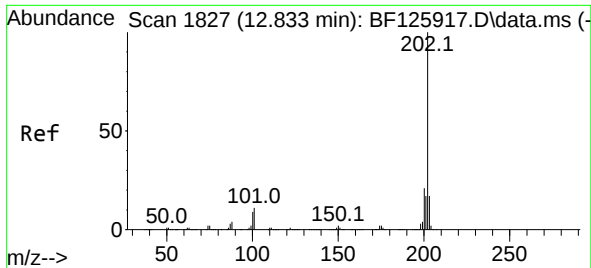
Tgt Ion:202 Resp: 136963
Ion Ratio Lower Upper
202 100
101 10.7 0.0 30.7
203 17.1 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.012 min
Lab File: BF125984.D
Acq: 28 Oct 2021 12:36

Tgt Ion:240 Resp: 398842
Ion Ratio Lower Upper
240 100
120 11.1 10.8 16.2
236 25.5 21.6 32.4

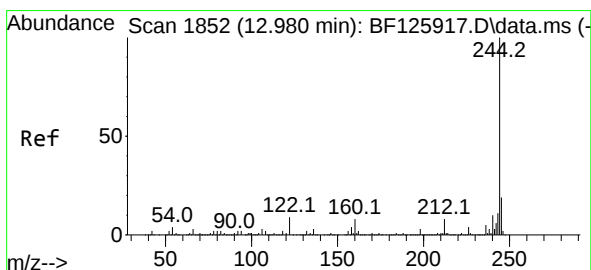
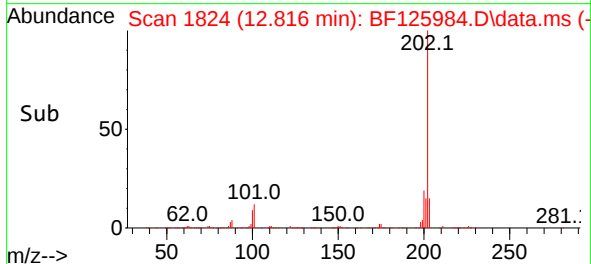
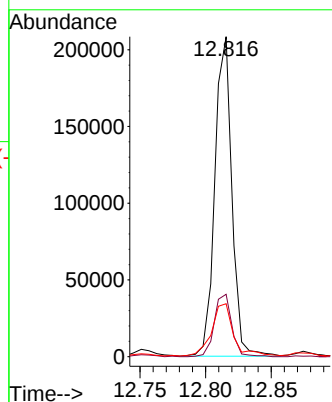
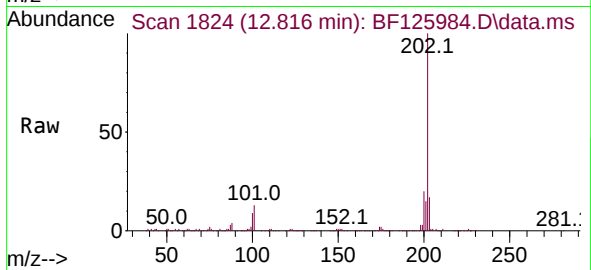




#78
Pyrene
Concen: 5.064 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF125984.D
Acq: 28 Oct 2021 12:36

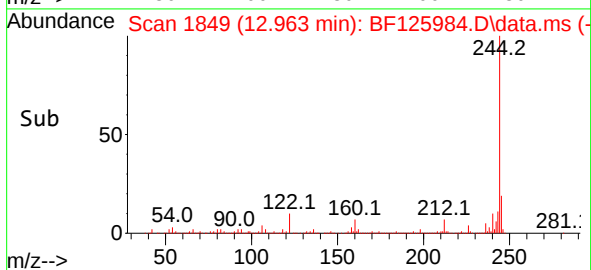
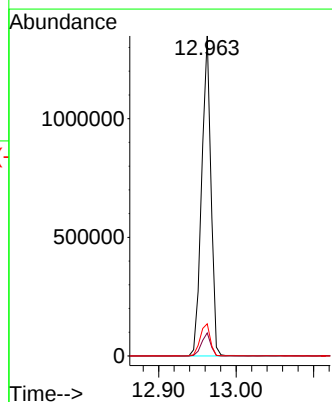
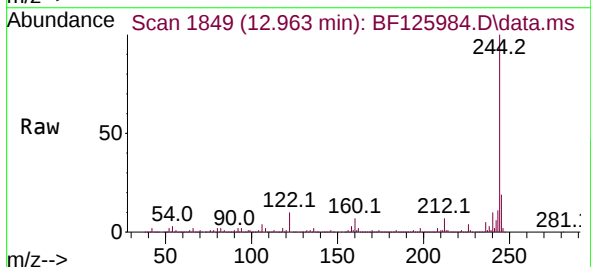
Instrument :
BNA_F
ClientSampleId :
TH-GS

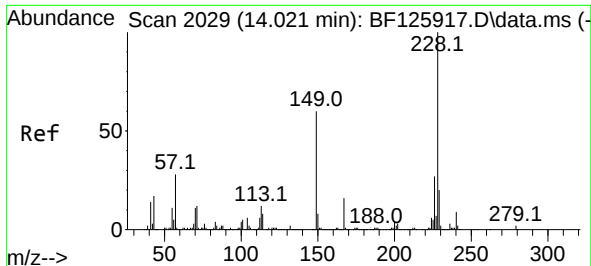
Tgt Ion:	202	Resp:	187955
Ion Ratio	Lower	Upper	
202	100		
200	19.5	15.3	22.9
203	16.5	13.4	20.0



#79
Terphenyl-d14
Concen: 46.032 ng
RT: 12.963 min Scan# 1849
Delta R.T. -0.006 min
Lab File: BF125984.D
Acq: 28 Oct 2021 12:36

Tgt Ion:	244	Resp:	1122415
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.9	8.9
122	10.1	9.0	13.4

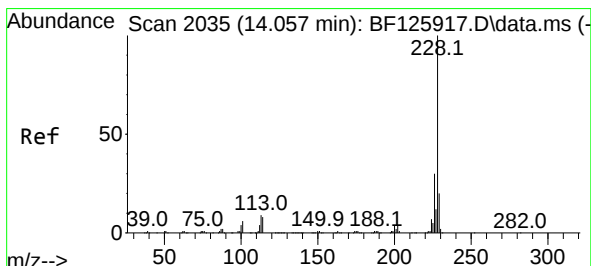
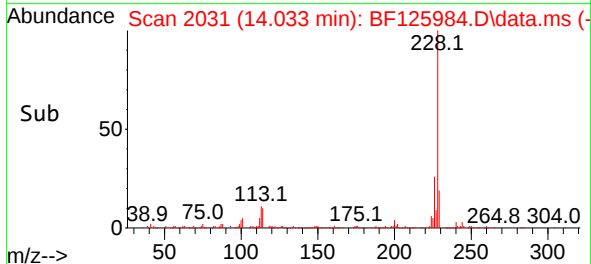
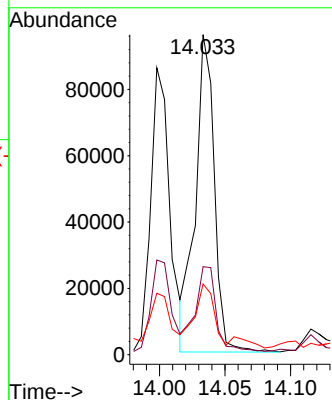
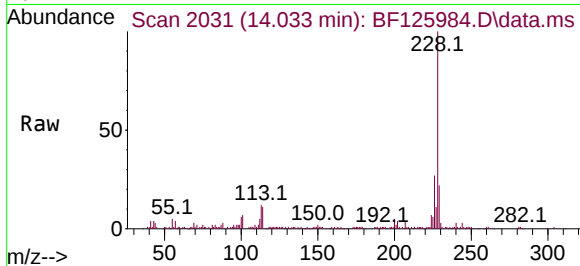




#81
Benzo(a)anthracene
Concen: 3.587 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.024 min
Lab File: BF125984.D
Acq: 28 Oct 2021 12:36

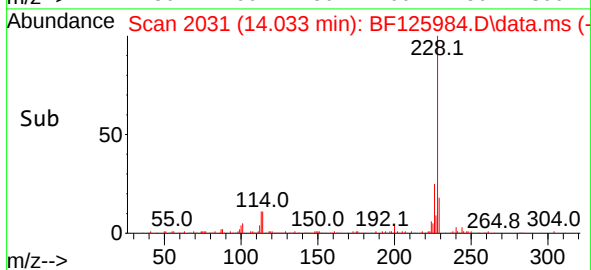
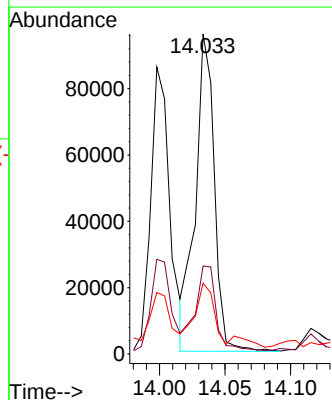
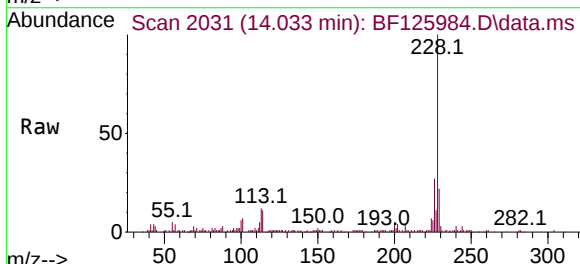
Instrument :
BNA_F
ClientSampleId :
TH-GS

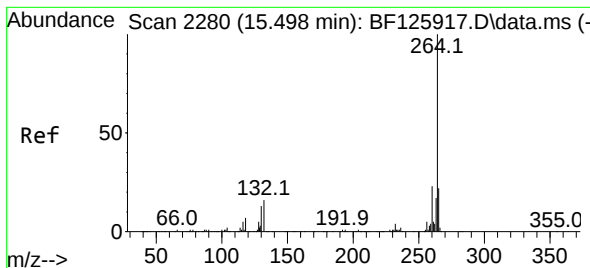
Tgt Ion:228	Resp:	96300
Ion Ratio	Lower	Upper
228	100	
226	27.5	21.6 32.4
229	22.1	15.6 23.4



#83
Chrysene
Concen: 3.546 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF125984.D
Acq: 28 Oct 2021 12:36

Tgt Ion:228	Resp:	96300
Ion Ratio	Lower	Upper
228	100	
226	27.5	22.6 34.0
229	22.1	15.9 23.9

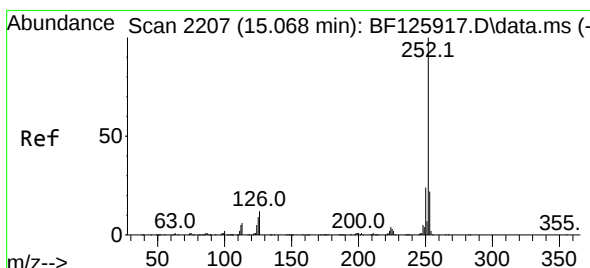
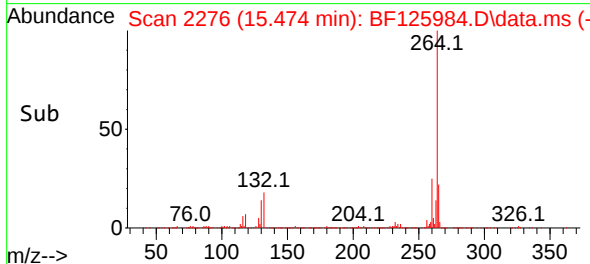
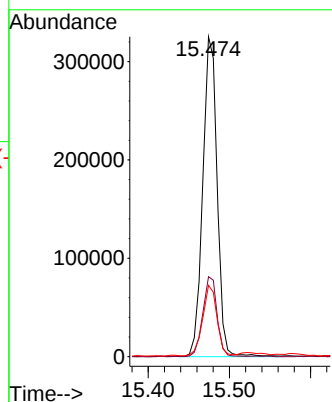
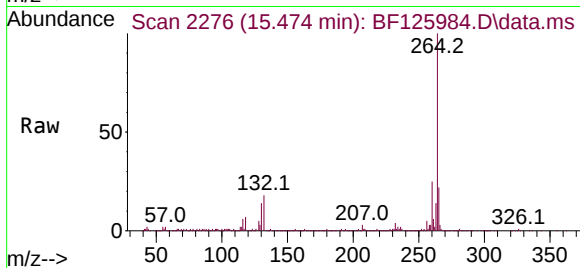




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.474 min Scan# 2276
 Delta R.T. -0.006 min
 Lab File: BF125984.D
 Acq: 28 Oct 2021 12:36

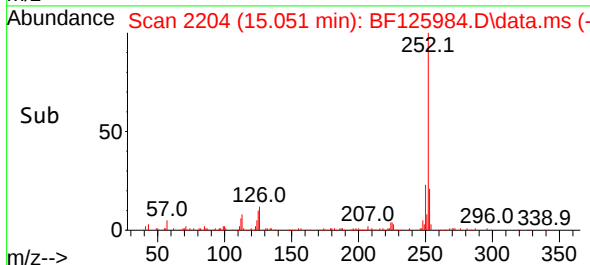
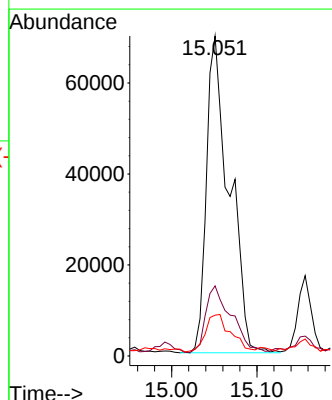
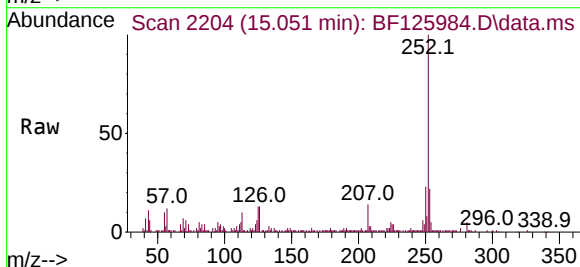
Instrument :
 BNA_F
 ClientSampled :
 TH-GS

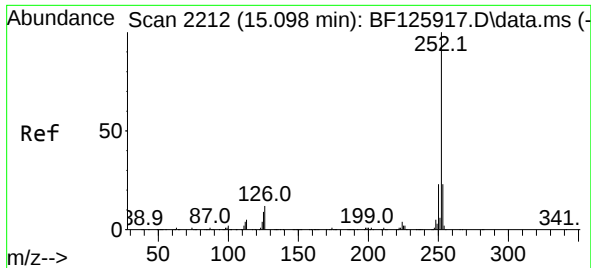
Tgt Ion:264 Resp: 400037
 Ion Ratio Lower Upper
 264 100
 260 25.0 19.6 29.4
 265 22.3 17.2 25.8



#88
 Benzo(b)fluoranthene
 Concen: 4.901 ng
 RT: 15.051 min Scan# 2204
 Delta R.T. -0.006 min
 Lab File: BF125984.D
 Acq: 28 Oct 2021 12:36

Tgt Ion:252 Resp: 129410
 Ion Ratio Lower Upper
 252 100
 253 21.9 16.8 25.2
 125 12.7 9.8 14.8

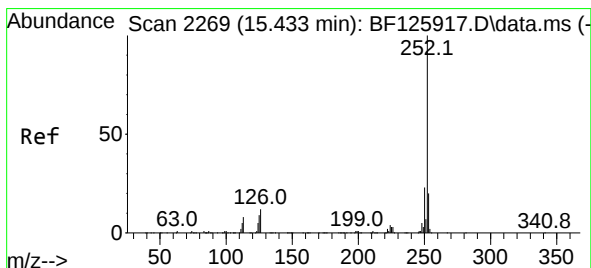
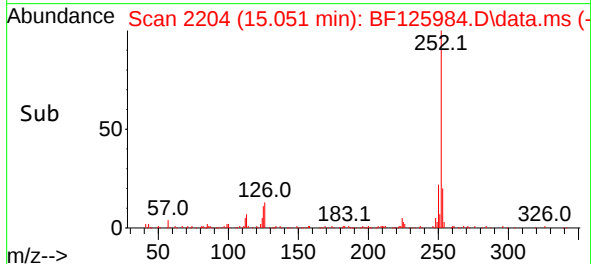
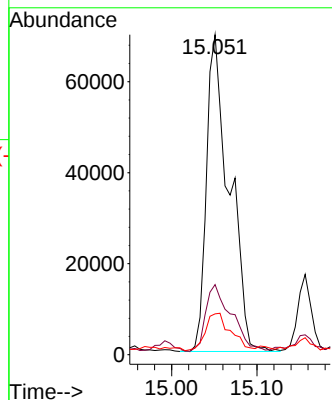
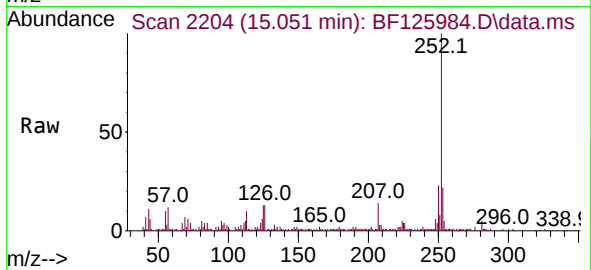




#89
Benzo(k)fluoranthene
Concen: 5.102 ng
RT: 15.051 min Scan# 2204
Delta R.T. -0.035 min
Lab File: BF125984.D
Acq: 28 Oct 2021 12:36

Instrument :
BNA_F
ClientSampleId :
TH-GS

Tgt Ion:252 Resp: 129410
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.8
125 12.7 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 3.612 ng
RT: 15.410 min Scan# 2265
Delta R.T. -0.012 min
Lab File: BF125984.D
Acq: 28 Oct 2021 12:36

Tgt Ion:252 Resp: 76998
Ion Ratio Lower Upper
252 100
253 21.2 18.4 27.6
125 14.7 9.9 14.9

