

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
 Data File : BF125996.D
 Acq On : 28 Oct 2021 19:01
 Operator : JU/CG
 Sample : M4336-05 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C4

Quant Time: Oct 29 10:42:09 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)

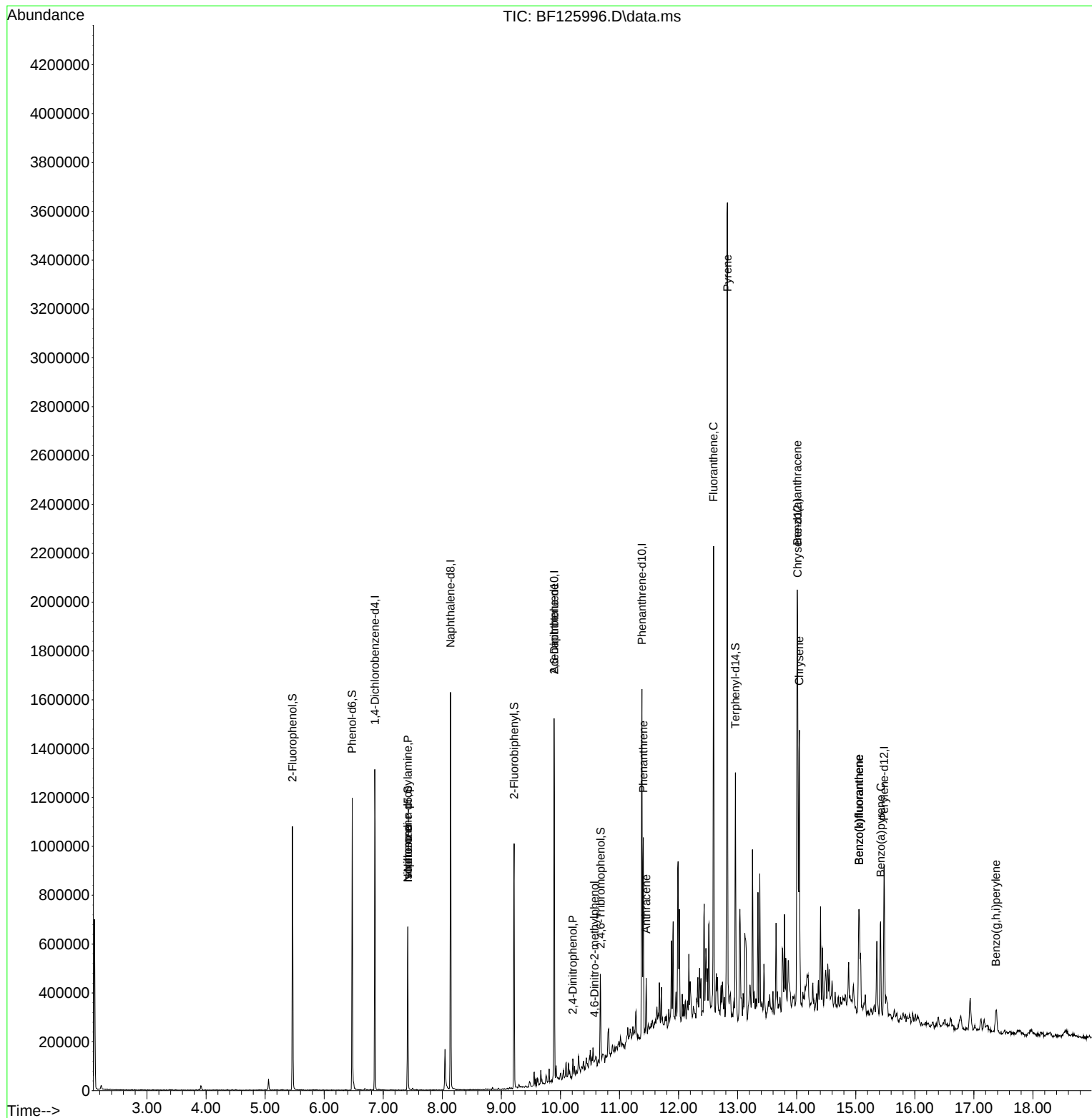
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	172424	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	623540	20.000	ng	# 0.00
39) Acenaphthene-d10	9.892	164	304319	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	512129	20.000	ng	0.00
76) Chrysene-d12	14.015	240	366180	20.000	ng	0.00
86) Perylene-d12	15.480	264	259383	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	240860	20.807	ng	-0.01
7) Phenol-d6	6.475	99	317099	19.972	ng	-0.01
23) Nitrobenzene-d5	7.416	82	179532	14.872	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	34586	13.037	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	290393	16.875	ng	0.00
79) Terphenyl-d14	12.963	244	292820	13.080	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	23646	2.607	ng	# 62
25) Isophorone	7.416	82	179530	7.809	ng	# 59
51) 2,6-Dinitrotoluene	9.892	165	40909	11.002	ng	# 28
54) 2,4-Dinitrophenol	10.210	184	122	7.193	ng	# 1
58) Fluorene	10.439	166	9130	Below Cal		# 87
65) 4,6-Dinitro-2-methylph...	10.574	198	119	6.111	ng	# 1
71) Phenanthrene	11.404	178	294359	11.077	ng	99
72) Anthracene	11.451	178	79762	3.006	ng	98
75) Fluoranthene	12.592	202	674622	25.183	ng	97
78) Pyrene	12.827	202	1525048	44.753	ng	97
81) Benzo(a)anthracene	14.010	228	519663	21.085	ng	99
83) Chrysene	14.045	228	476518	19.110	ng	99
88) Benzo(b)fluoranthene	15.057	252	353083	20.623	ng	98
89) Benzo(k)fluoranthene	15.057	252	353083	21.470	ng	# 97
90) Benzo(a)pyrene	15.421	252	191878	13.882	ng	96
92) Benzo(g,h,i)perylene	17.374	276	80034	5.060	ng	91

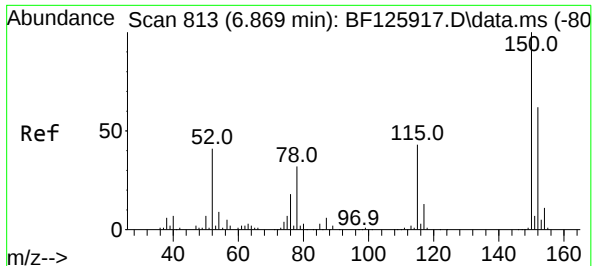
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125996.D
Acq On : 28 Oct 2021 19:01
Operator : JU/CG
Sample : M4336-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C4

Quant Time: Oct 29 10:42:09 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

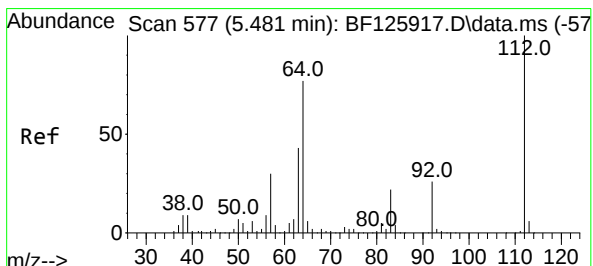
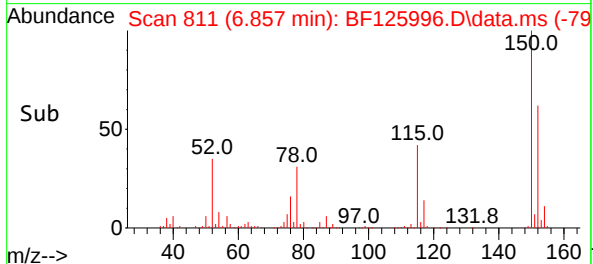
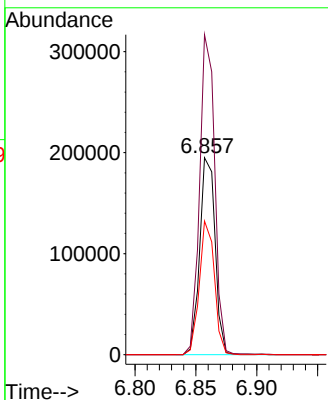
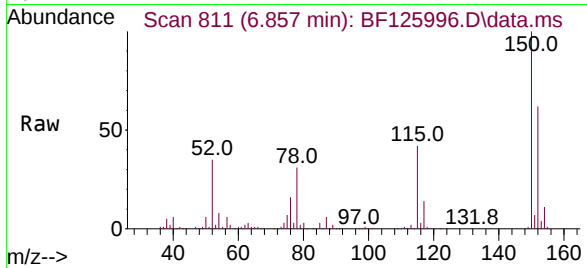




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

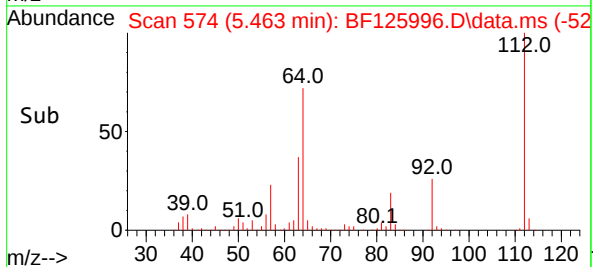
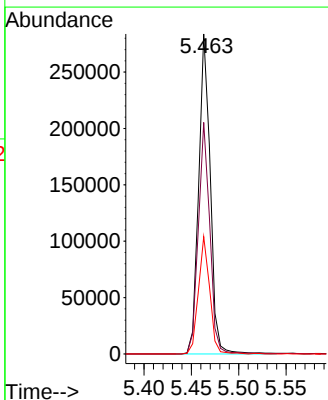
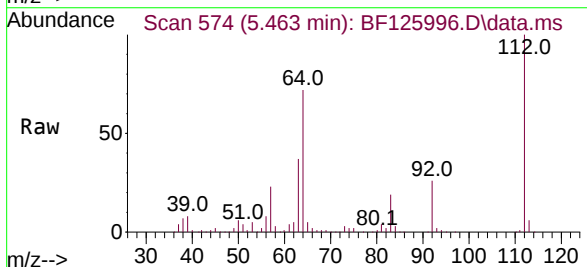
Instrument :
BNA_F
ClientSampleId :
C4

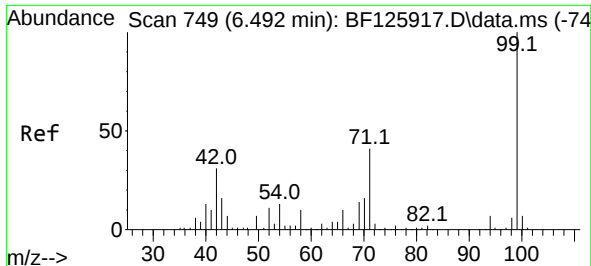
Tgt Ion:152 Resp: 172424
Ion Ratio Lower Upper
152 100
150 162.4 117.6 176.4
115 67.8 47.1 70.7



#5
2-Fluorophenol
Concen: 20.807 ng
RT: 5.463 min Scan# 574
Delta R.T. -0.012 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

Tgt Ion:112 Resp: 240860
Ion Ratio Lower Upper
112 100
64 72.4 44.2 66.2#
63 36.7 26.2 39.2

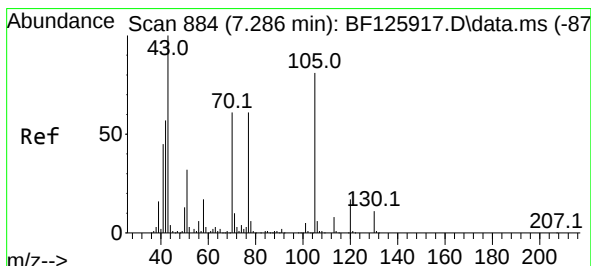
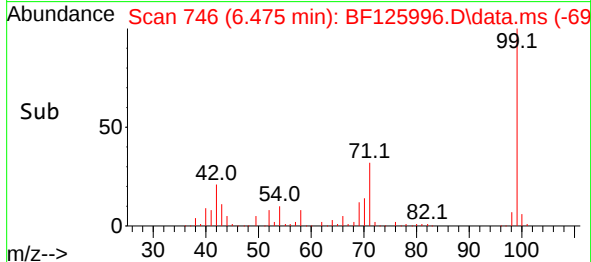
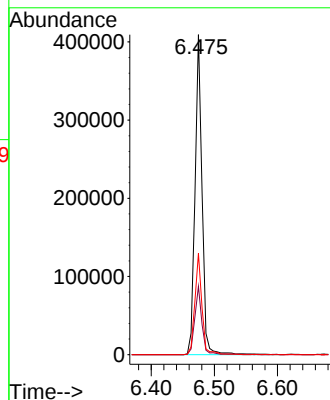
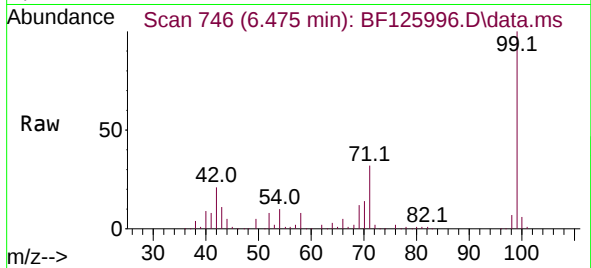




#7
Phenol-d6
Concen: 19.972 ng
RT: 6.475 min Scan# 746
Delta R.T. -0.012 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

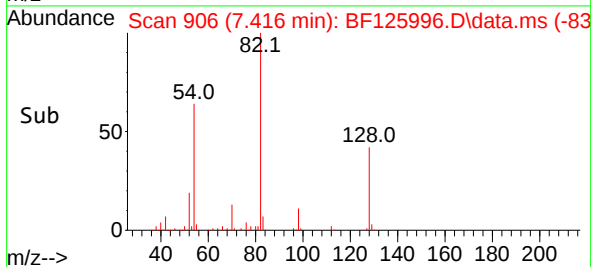
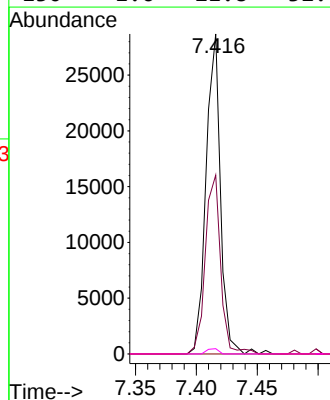
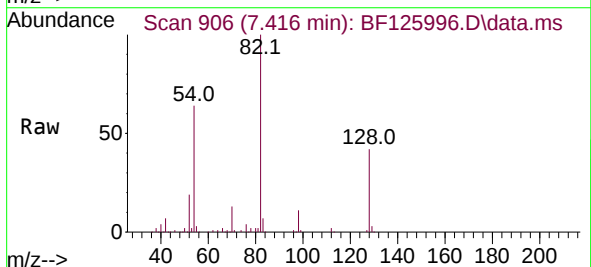
Instrument :
BNA_F
ClientSampled :
C4

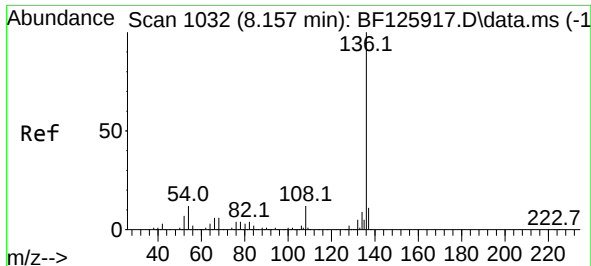
Tgt Ion: 99 Resp: 317099
Ion Ratio Lower Upper
99 100
42 21.4 23.5 35.3#
71 31.7 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.607 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.135 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

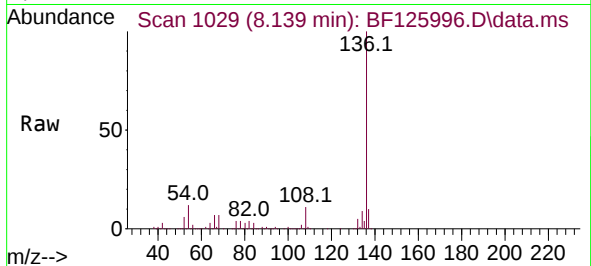
Tgt Ion: 70 Resp: 23646
Ion Ratio Lower Upper
70 100
42 55.9 72.2 108.2#
101 0.0 7.8 11.8#
130 1.6 21.8 32.6#



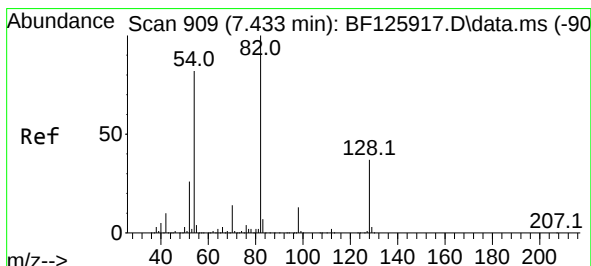
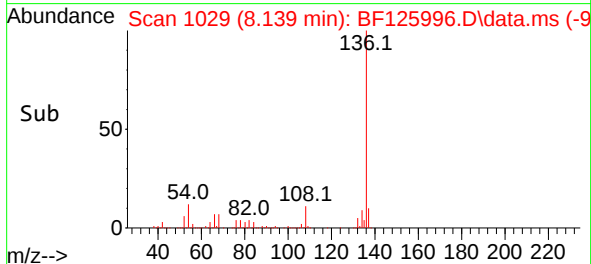
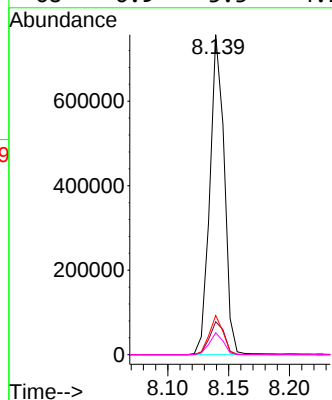


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

Instrument :
BNA_F
ClientSampled :
C4

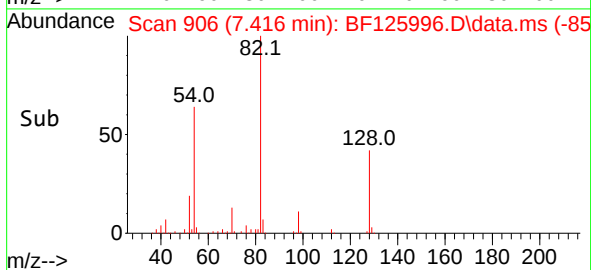
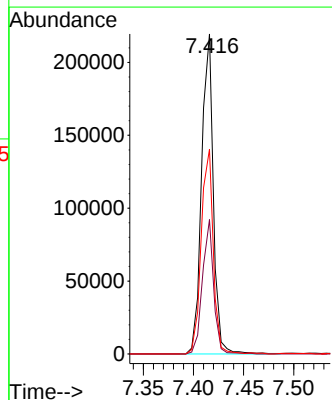
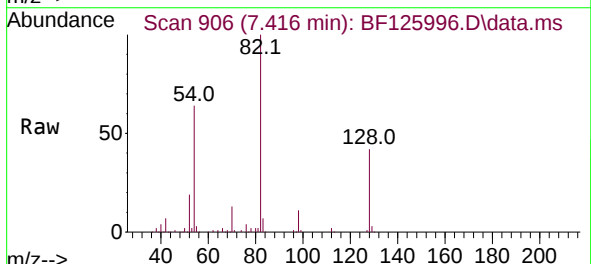


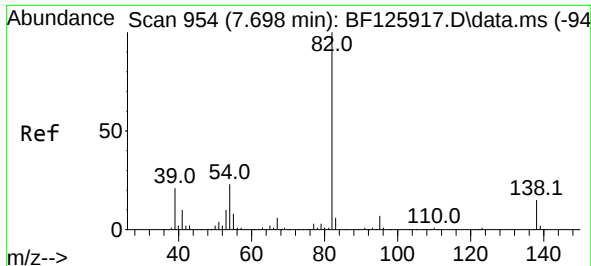
Tgt Ion:136	Resp: 623540
Ion Ratio	Lower Upper
136 100	
137 10.3	9.8 14.6
54 12.2	6.4 9.6#
68 6.9	3.3 4.9#



#23
Nitrobenzene-d5
Concen: 14.872 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

Tgt Ion: 82	Resp: 179532
Ion Ratio	Lower Upper
82 100	
128 42.0	40.6 60.8
54 64.0	49.6 74.4

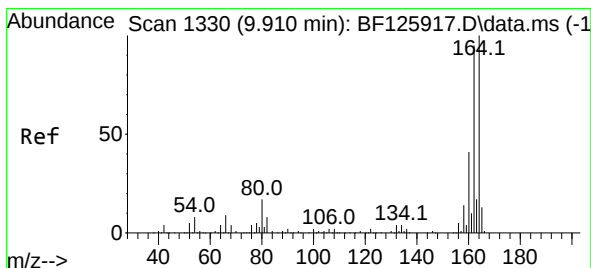
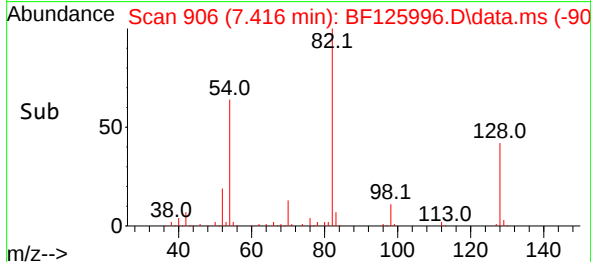
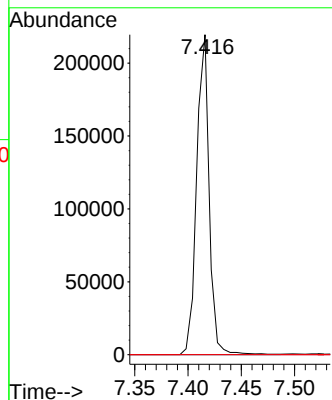
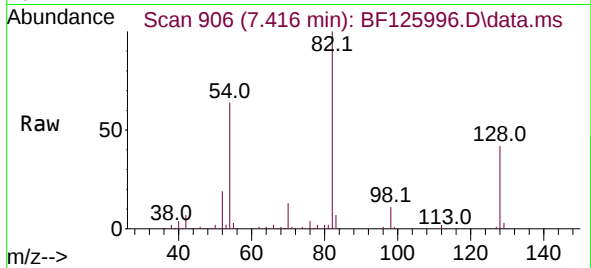




#25
Isophorone
Concen: 7.809 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.271 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

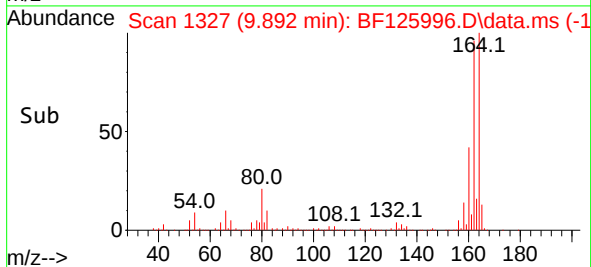
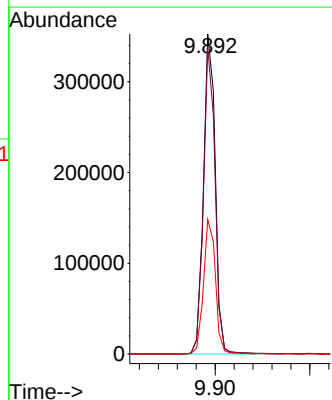
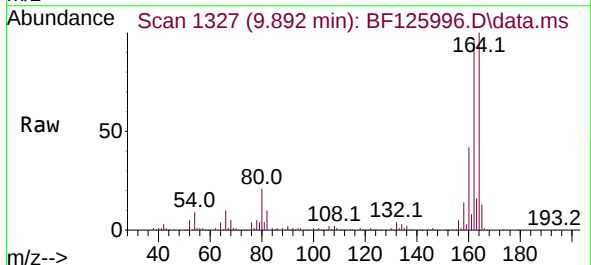
Instrument :
BNA_F
ClientSampled :
C4

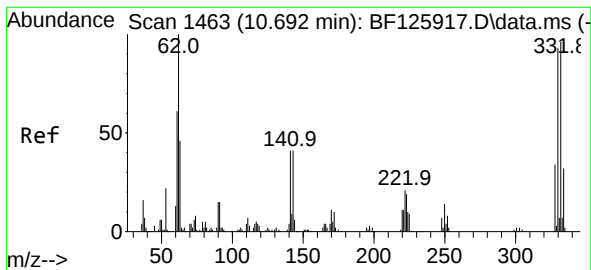
Tgt Ion: 82 Resp: 179530
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

Tgt Ion: 164 Resp: 304319
Ion Ratio Lower Upper
164 100
162 96.0 81.3 121.9
160 42.0 38.0 57.0

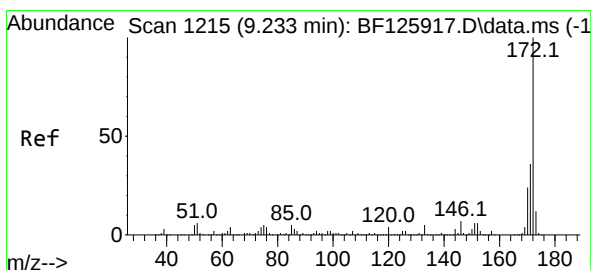
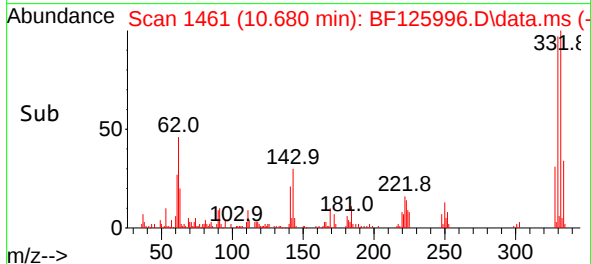
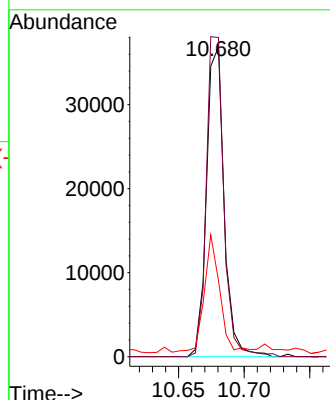
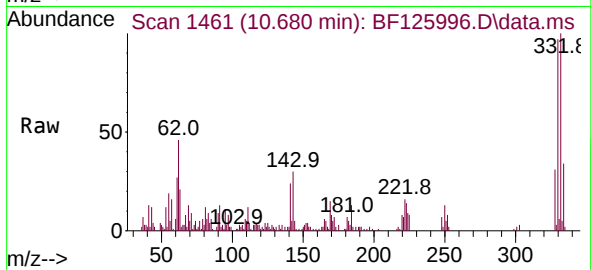




#42
2,4,6-Tribromophenol
Concen: 13.037 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

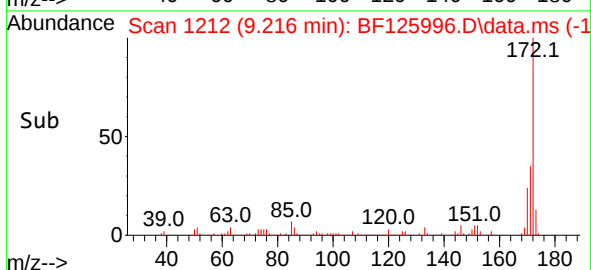
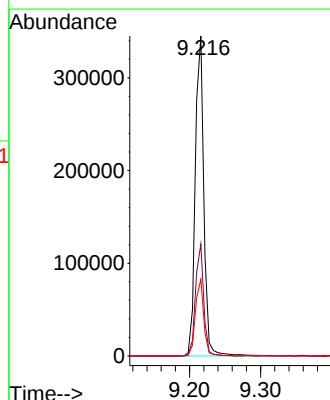
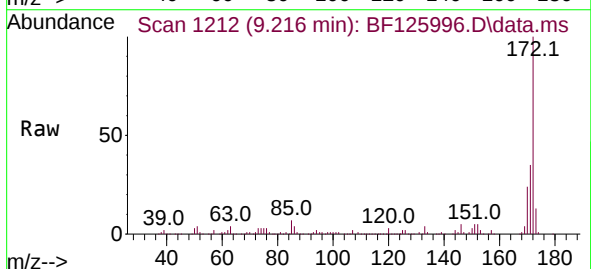
Instrument :
BNA_F
ClientSampled :
C4

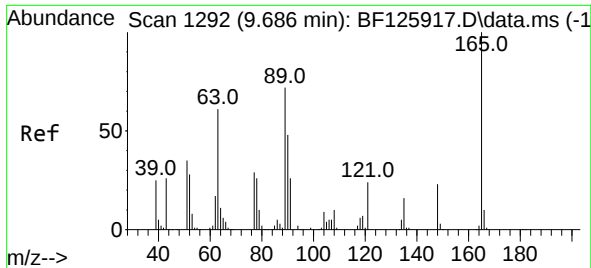
Tgt Ion:330 Resp: 34586
Ion Ratio Lower Upper
330 100
332 102.4 76.2 114.4
141 31.4 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 16.875 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

Tgt Ion:172 Resp: 290393
Ion Ratio Lower Upper
172 100
171 35.0 26.5 39.7
170 24.0 18.8 28.2

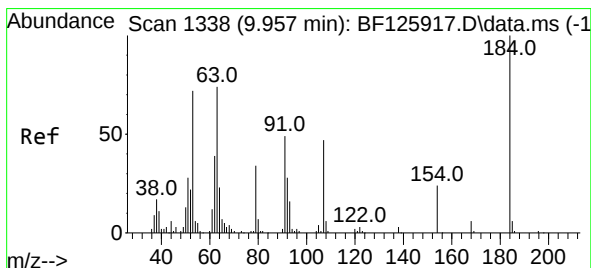
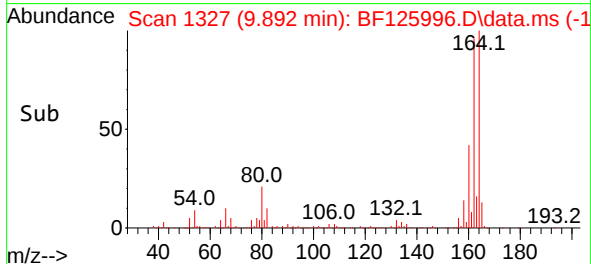
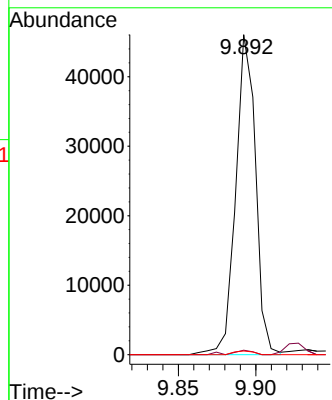
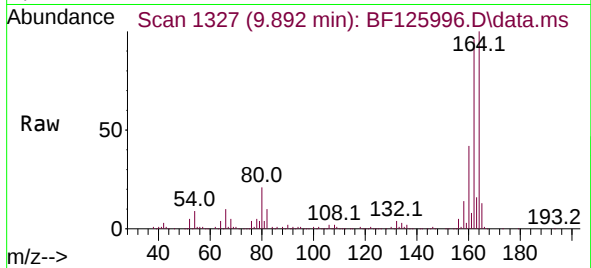




#51
2,6-Dinitrotoluene
Concen: 11.002 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.212 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

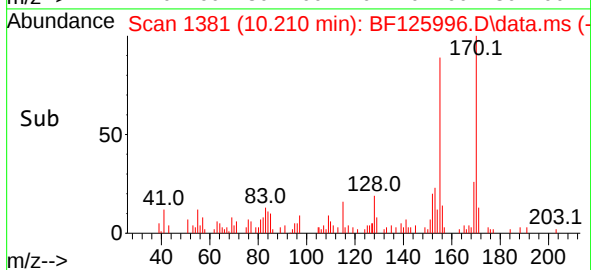
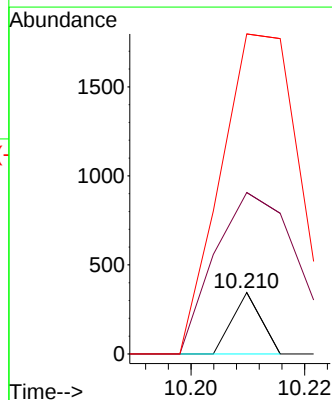
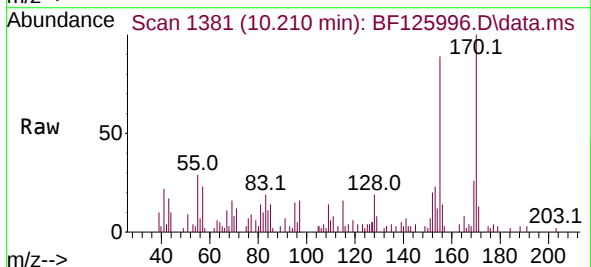
Instrument :
BNA_F
ClientSampled :
C4

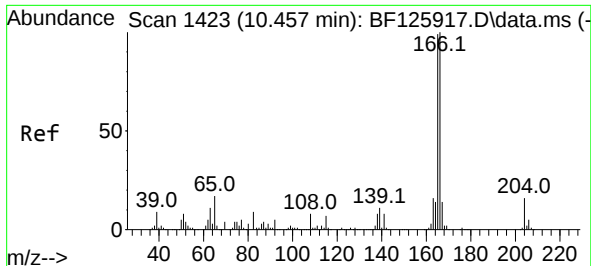
Tgt Ion:165 Resp: 40909
Ion Ratio Lower Upper
165 100
63 1.4 42.6 63.8#
89 1.1 40.6 60.8#



#54
2,4-Dinitrophenol
Concen: 7.193 ng
RT: 10.210 min Scan# 1381
Delta R.T. 0.259 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

Tgt Ion:184 Resp: 122
Ion Ratio Lower Upper
184 100
63 262.9 59.3 88.9#
154 520.9 68.6 102.8#

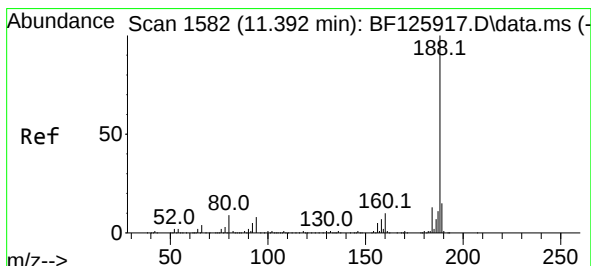
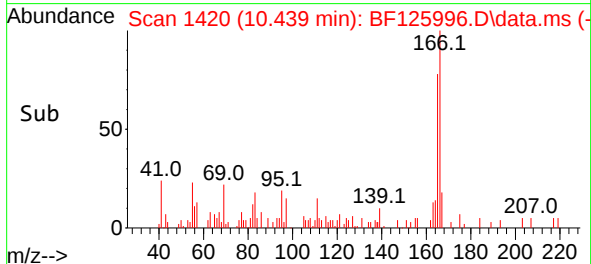
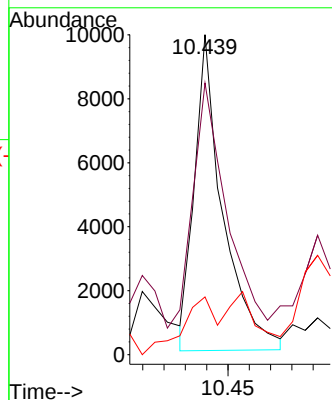
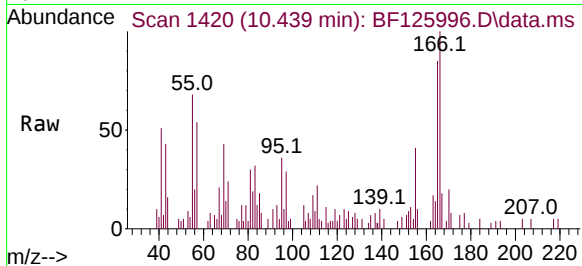




#58
Fluorene
Concen: Below Cal
RT: 10.439 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

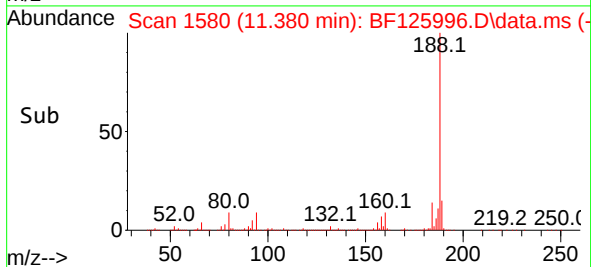
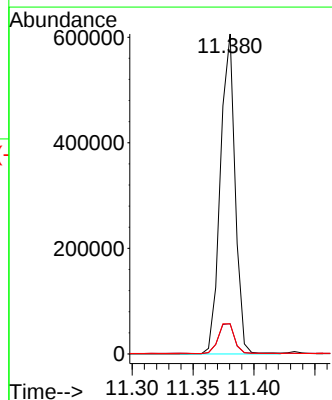
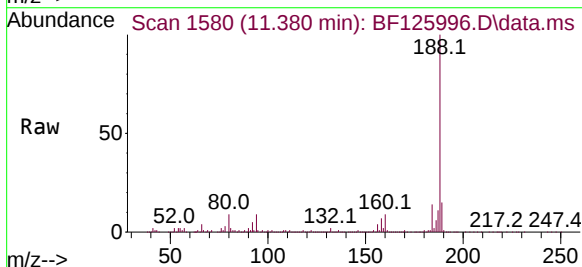
Instrument :
BNA_F
ClientSampled :
C4

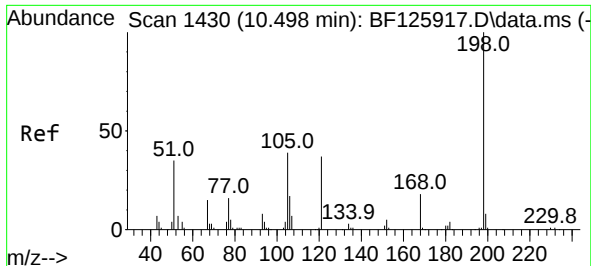
Tgt Ion:166 Resp: 9130
Ion Ratio Lower Upper
166 100
165 84.9 78.1 117.1
167 18.1 11.1 16.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

Tgt Ion:188 Resp: 512129
Ion Ratio Lower Upper
188 100
94 9.4 6.7 10.1
80 9.4 7.5 11.3

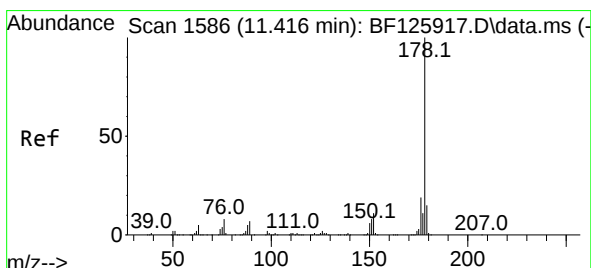
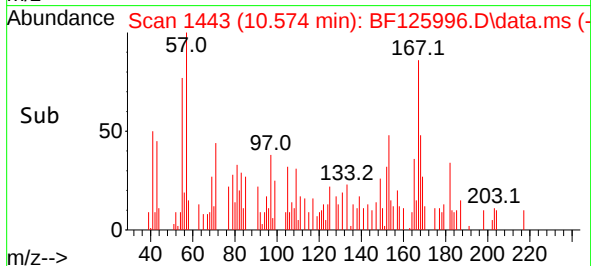
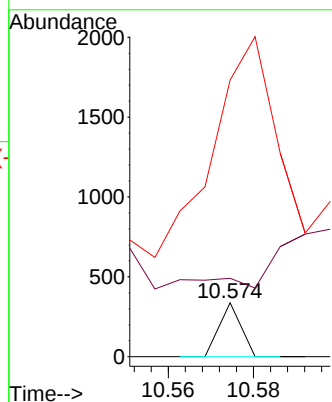
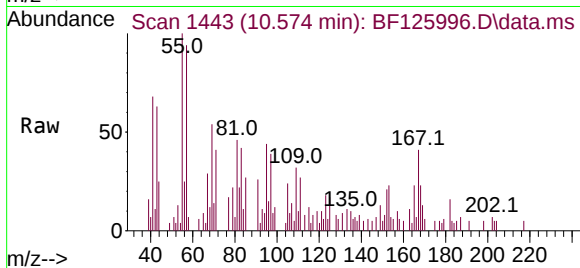




#65
4,6-Dinitro-2-methylphenol
Concen: 6.111 ng
RT: 10.574 min Scan# 1443
Delta R.T. 0.088 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

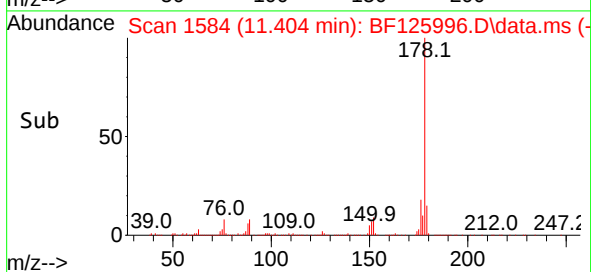
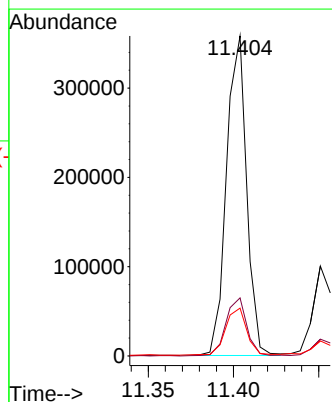
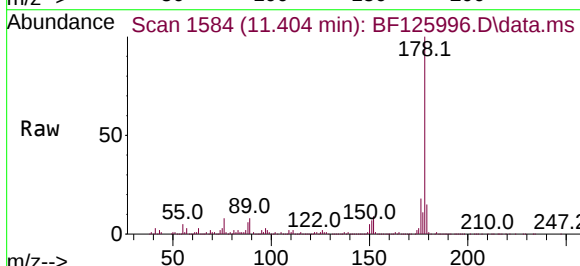
Instrument :
BNA_F
ClientSampled :
C4

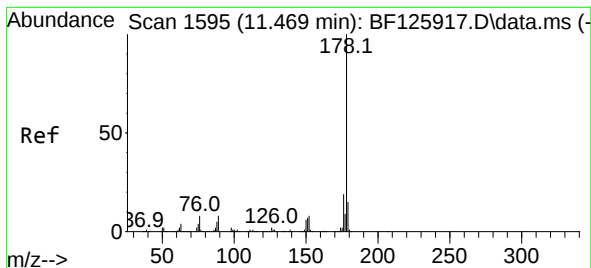
Tgt Ion:198 Resp: 119
Ion Ratio Lower Upper
198 100
51 145.3 45.3 85.3#
105 512.7 30.6 70.6#



#71
Phenanthrene
Concen: 11.077 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

Tgt Ion:178 Resp: 294359
Ion Ratio Lower Upper
178 100
176 18.1 14.7 22.1
179 14.9 11.5 17.3

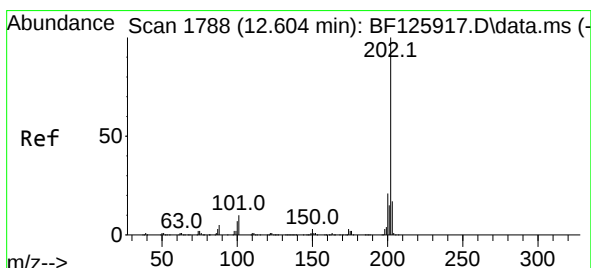
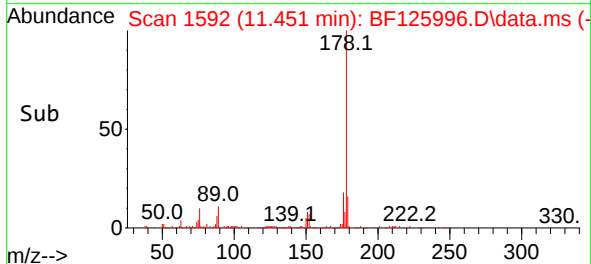
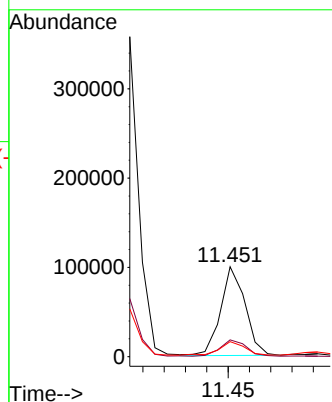
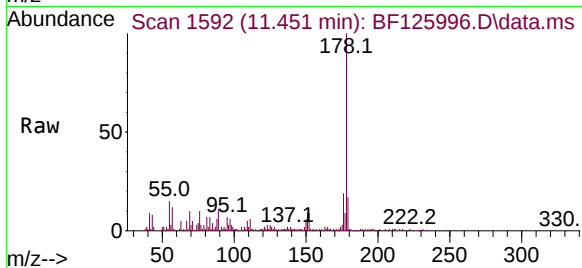




#72
 Anthracene
 Concen: 3.006 ng
 RT: 11.451 min Scan# 1592
 Delta R.T. -0.006 min
 Lab File: BF125996.D
 Acq: 28 Oct 2021 19:01

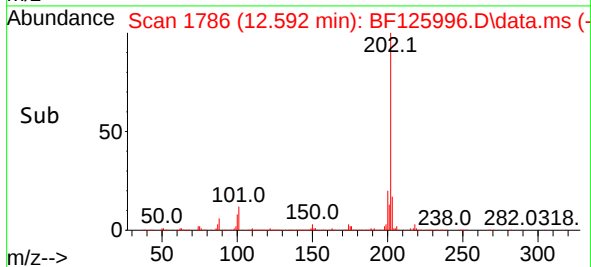
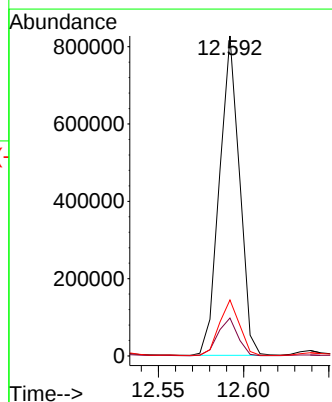
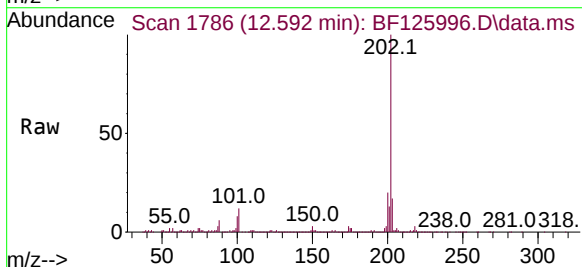
Instrument :
 BNA_F
 ClientSampled :
 C4

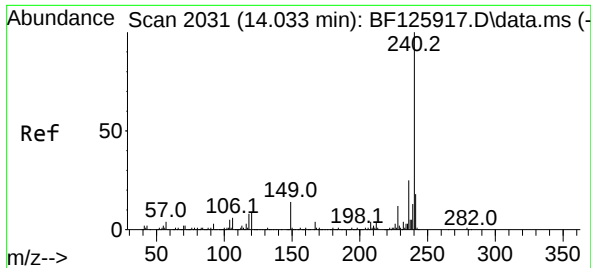
Tgt Ion:178 Resp: 79762
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.3 21.5
 179 16.7 12.2 18.4



#75
 Fluoranthene
 Concen: 25.183 ng
 RT: 12.592 min Scan# 1786
 Delta R.T. -0.000 min
 Lab File: BF125996.D
 Acq: 28 Oct 2021 19:01

Tgt Ion:202 Resp: 674622
 Ion Ratio Lower Upper
 202 100
 101 11.9 0.0 30.7
 203 17.5 0.0 36.3

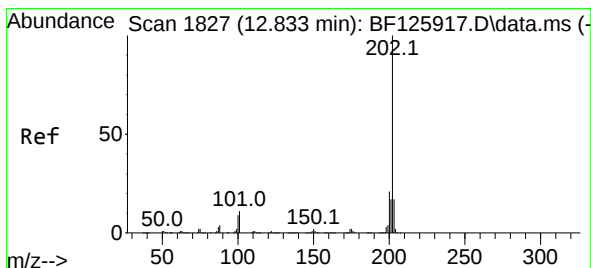
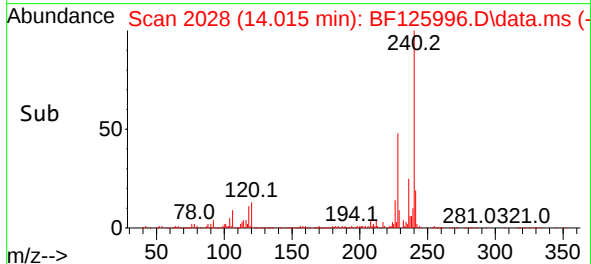
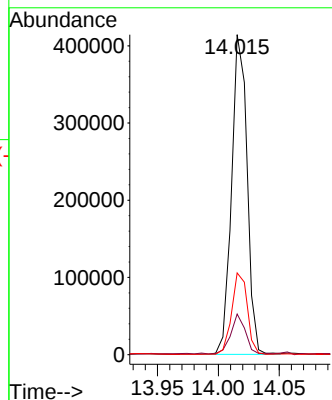
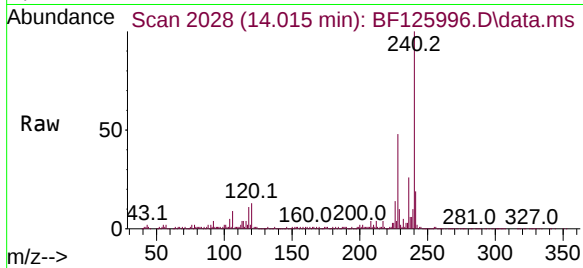




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

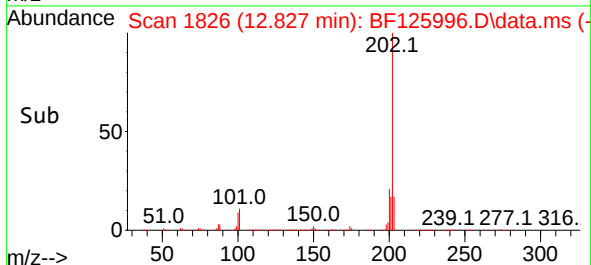
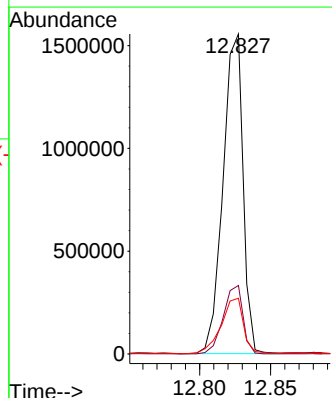
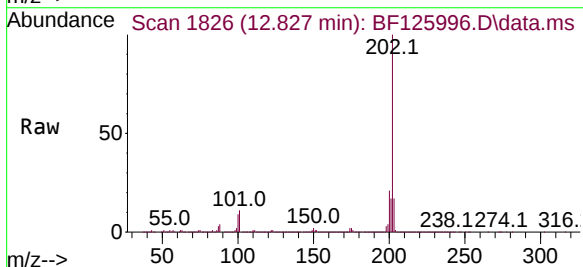
Instrument :
BNA_F
ClientSampled :
C4

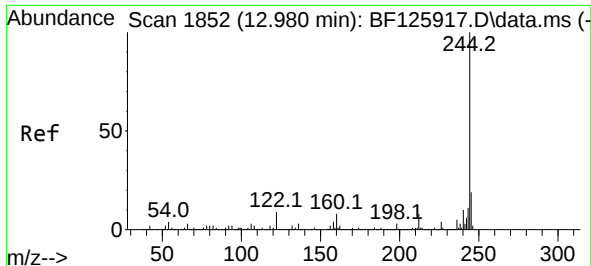
Tgt Ion:240 Resp: 366180
Ion Ratio Lower Upper
240 100
120 12.7 10.8 16.2
236 25.5 21.6 32.4



#78
Pyrene
Concen: 44.753 ng
RT: 12.827 min Scan# 1826
Delta R.T. 0.006 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

Tgt Ion:202 Resp: 1525048
Ion Ratio Lower Upper
202 100
200 21.4 15.3 22.9
203 17.4 13.4 20.0

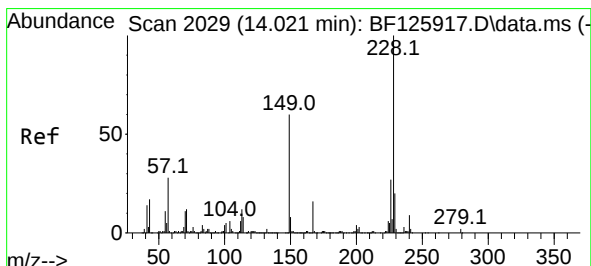
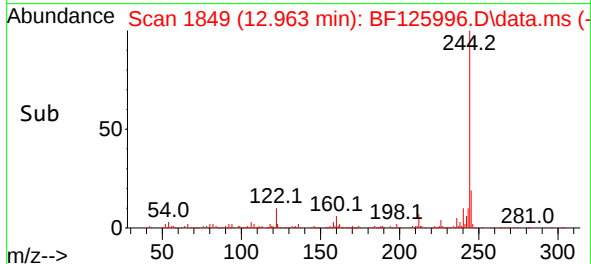
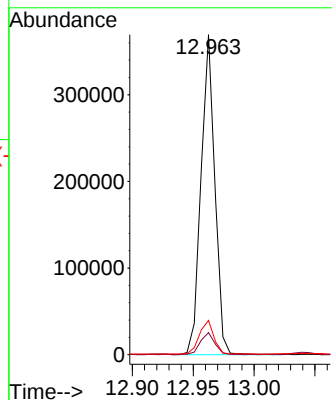
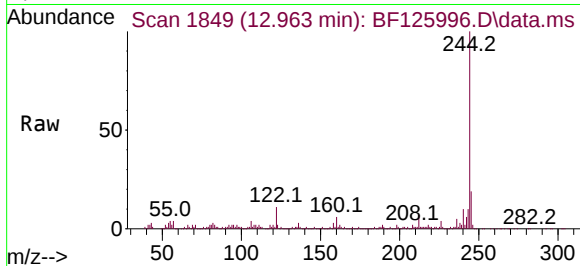




#79
Terphenyl-d14
Concen: 13.080 ng
RT: 12.963 min Scan# 1849
Delta R.T. -0.006 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

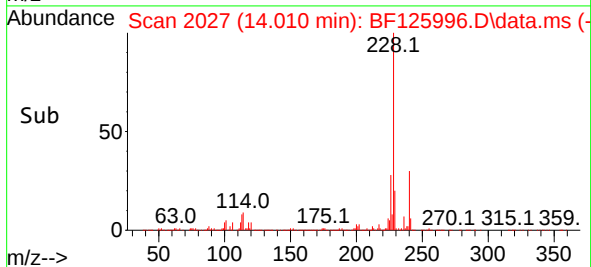
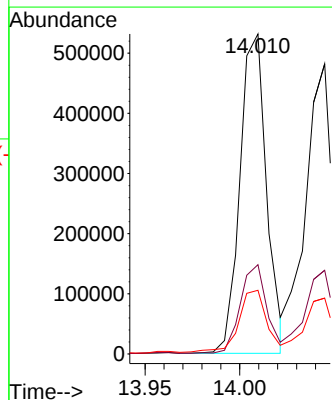
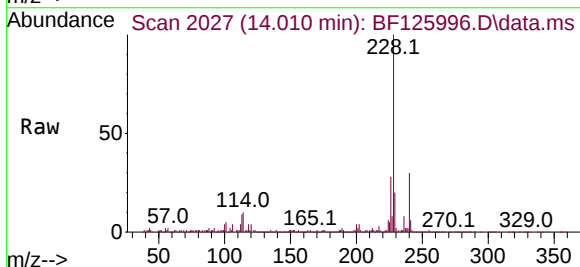
Instrument :
BNA_F
ClientSampled :
C4

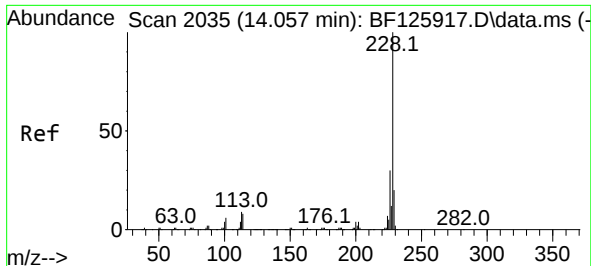
Tgt Ion:244 Resp: 292820
Ion Ratio Lower Upper
244 100
212 6.9 5.9 8.9
122 10.7 9.0 13.4



#81
Benzo(a)anthracene
Concen: 21.085 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

Tgt Ion:228 Resp: 519663
Ion Ratio Lower Upper
228 100
226 27.9 21.6 32.4
229 19.9 15.6 23.4

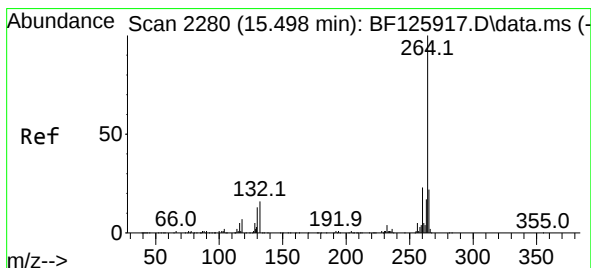
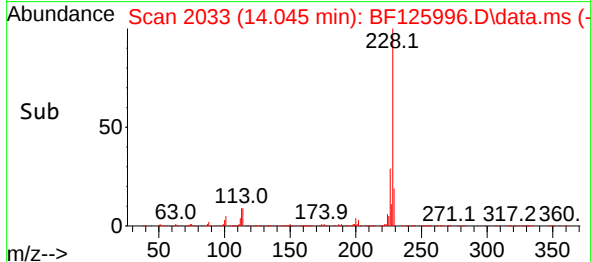
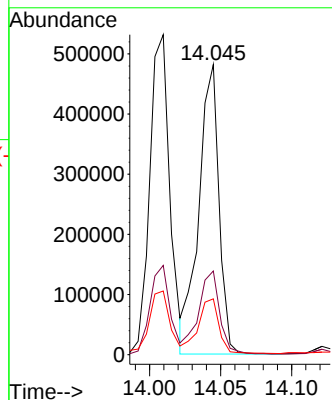
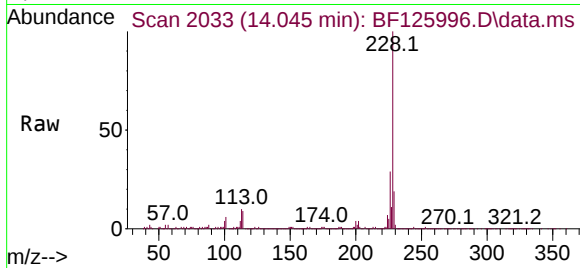




#83
Chrysene
Concen: 19.110 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

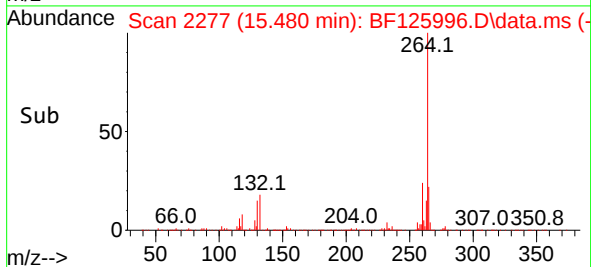
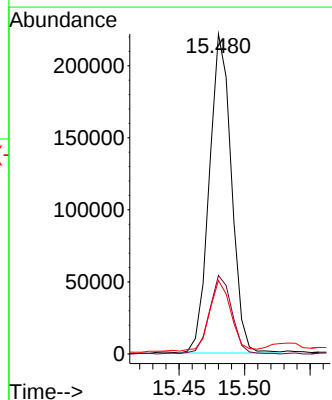
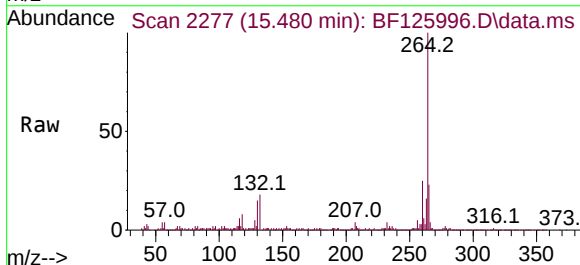
Instrument :
BNA_F
ClientSampled :
C4

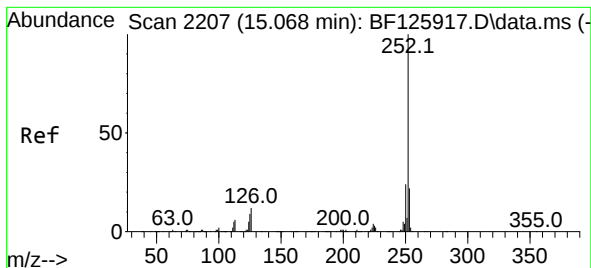
Tgt Ion:	228	Resp:	476518
Ion Ratio	Lower	Upper	
228	100		
226	28.9	22.6	34.0
229	19.3	15.9	23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2277
Delta R.T. -0.000 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

Tgt Ion:	264	Resp:	259383
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.6	29.4
265	23.0	17.2	25.8





#88

Benzo(b)fluoranthene

Concen: 20.623 ng

RT: 15.057 min Scan# 2205

Delta R.T. -0.000 min

Lab File: BF125996.D

Acq: 28 Oct 2021 19:01

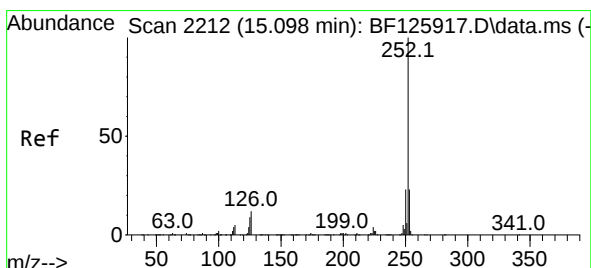
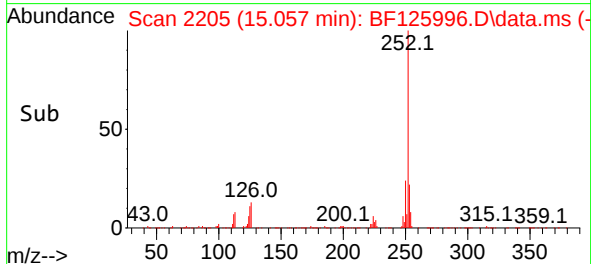
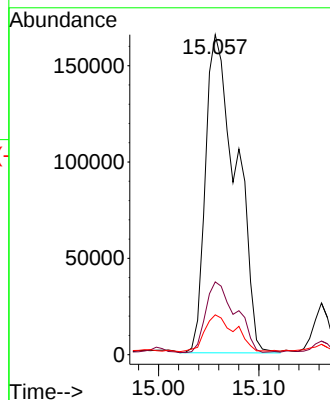
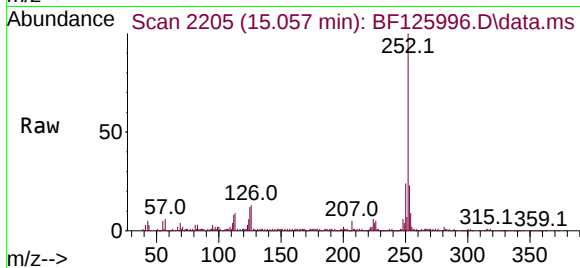
Instrument :

BNA_F

ClientSampled :

C4

Tgt Ion:252	Resp:	353083
Ion Ratio	Lower	Upper
252	100	
253	22.7	16.8 25.2
125	12.4	9.8 14.8



#89

Benzo(k)fluoranthene

Concen: 21.470 ng

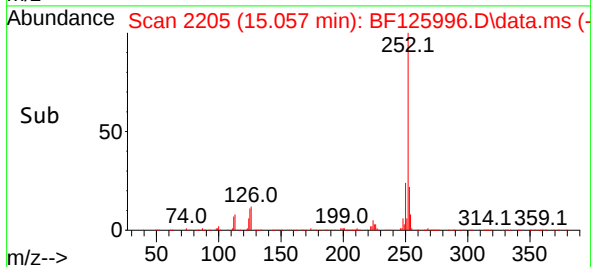
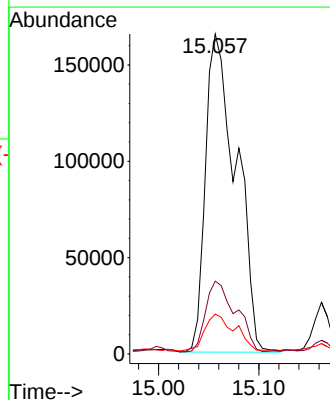
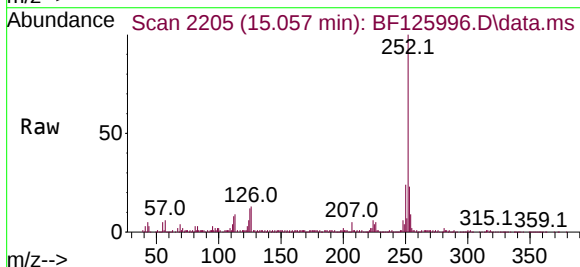
RT: 15.057 min Scan# 2205

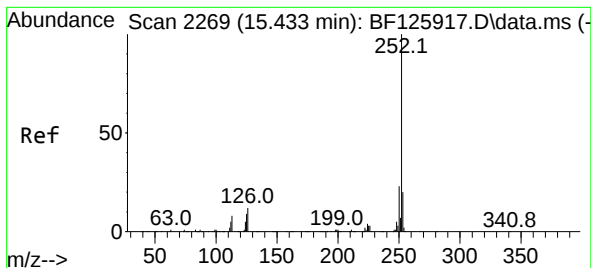
Delta R.T. -0.030 min

Lab File: BF125996.D

Acq: 28 Oct 2021 19:01

Tgt Ion:252	Resp:	353083
Ion Ratio	Lower	Upper
252	100	
253	22.7	17.8 26.8
125	12.4	7.2 10.8

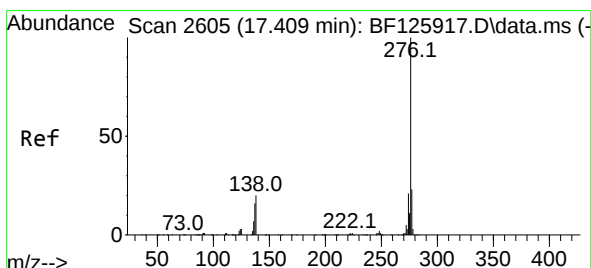
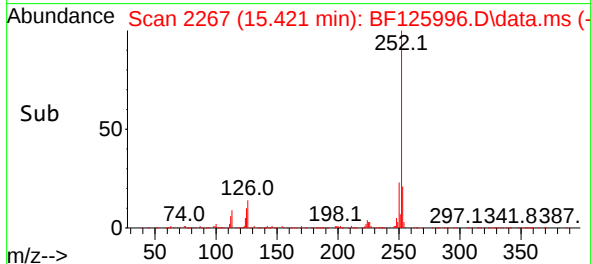
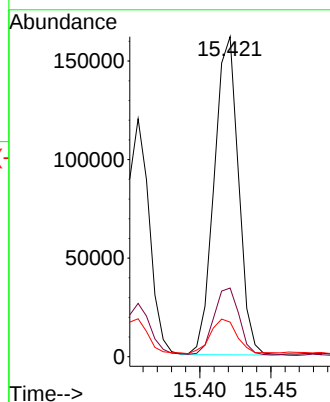
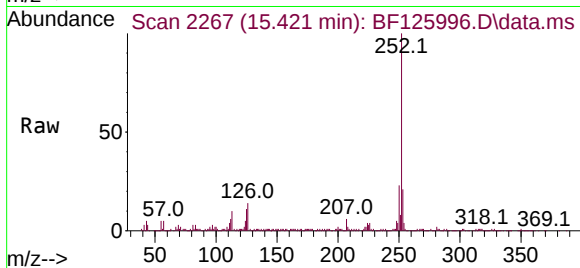




#90
Benzo(a)pyrene
Concen: 13.882 ng
RT: 15.421 min Scan# 2267
Delta R.T. -0.000 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

Instrument :
BNA_F
ClientSampleId :
C4

Tgt Ion:252 Resp: 191878
Ion Ratio Lower Upper
252 100
253 21.4 18.4 27.6
125 10.8 9.9 14.9



#92
Benzo(g,h,i)perylene
Concen: 5.060 ng
RT: 17.374 min Scan# 2599
Delta R.T. -0.012 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

Tgt Ion:276 Resp: 80034
Ion Ratio Lower Upper
276 100
277 23.7 22.0 33.0
138 22.3 22.2 33.4

