

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
 Data File : BF125998.D
 Acq On : 28 Oct 2021 20:05
 Operator : JU/CG
 Sample : M4373-03 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-102621

Quant Time: Oct 29 10:42:55 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)

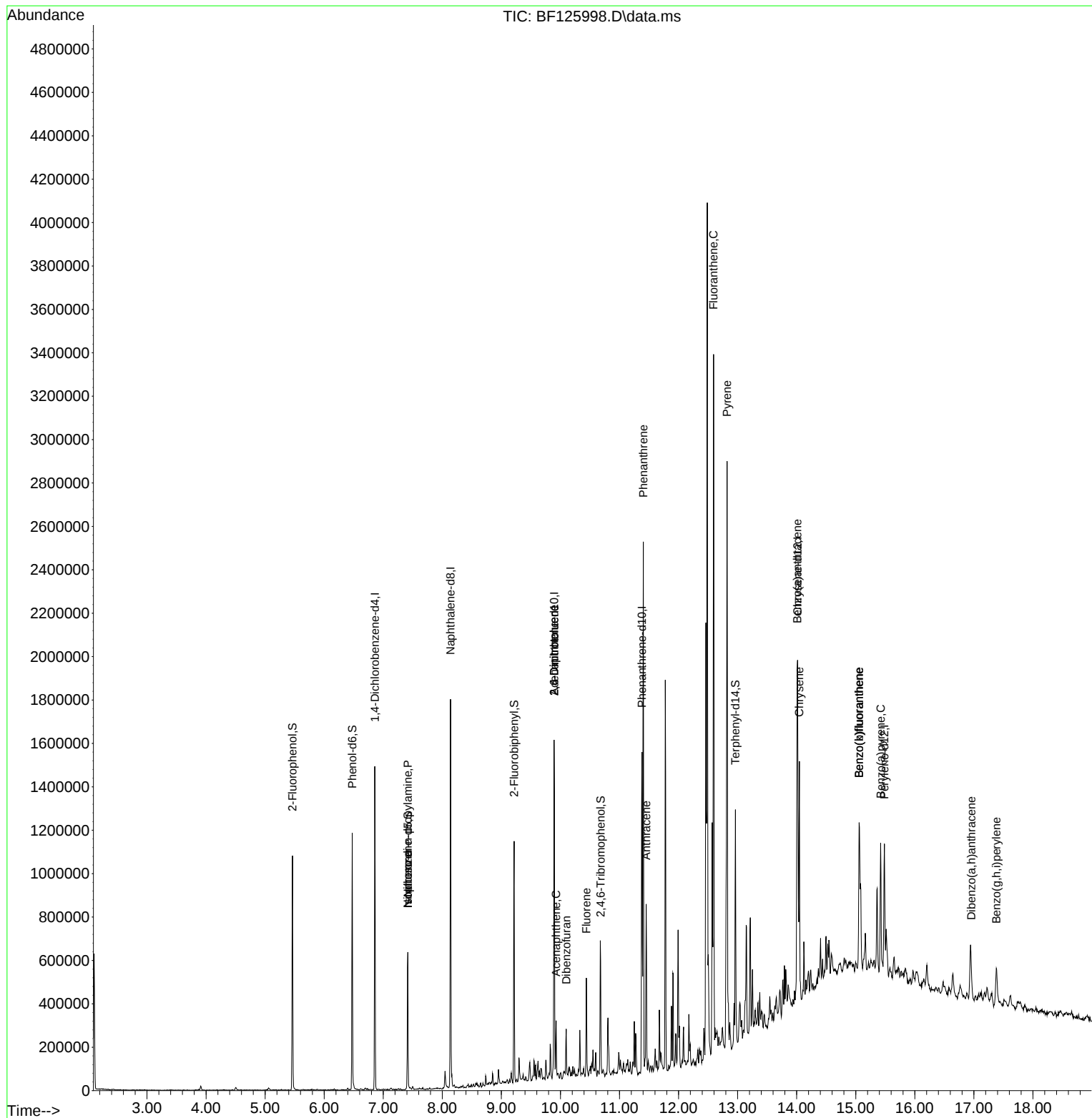
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	177460	20.000	ng	# 0.00
21) Naphthalene-d8	8.139	136	663005	20.000	ng	# 0.00
39) Acenaphthene-d10	9.892	164	329364	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	544352	20.000	ng	0.00
76) Chrysene-d12	14.015	240	348016	20.000	ng	0.00
86) Perylene-d12	15.486	264	258215	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	253515	21.279	ng	-0.01
7) Phenol-d6	6.475	99	309565	18.944	ng	-0.01
23) Nitrobenzene-d5	7.416	82	179362	13.974	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	52014	18.116	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	315690	16.950	ng	0.00
79) Terphenyl-d14	12.963	244	316275	14.865	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	25446	2.726	ng	# 65
25) Isophorone	7.416	82	177362	7.256	ng	# 59
51) 2,6-Dinitrotoluene	9.892	165	43717	10.864	ng	# 28
52) Acenaphthene	9.928	154	48559	2.720	ng	99
55) Dibenzofuran	10.098	168	63708	2.389	ng	# 88
57) 2,4-Dinitrotoluene	9.892	165	43717	8.845	ng	# 20
58) Fluorene	10.439	166	106434	2.030	ng	98
71) Phenanthrene	11.404	178	829305	29.360	ng	99
72) Anthracene	11.451	178	275601	9.773	ng	99
75) Fluoranthene	12.592	202	1272321	44.683	ng	97
78) Pyrene	12.821	202	1118735	34.543	ng	96
81) Benzo(a)anthracene	14.010	228	476414	20.340	ng	98
83) Chrysene	14.045	228	417204	17.604	ng	98
88) Benzo(b)fluoranthene	15.057	252	544840	31.967	ng	96
89) Benzo(k)fluoranthene	15.057	252	544840	33.280	ng	# 96
90) Benzo(a)pyrene	15.421	252	291710	21.201	ng	97
91) Dibenzo(a,h)anthracene	16.956	278	39465	2.619	ng	94
92) Benzo(g,h,i)perylene	17.380	276	149230	9.478	ng	# 91

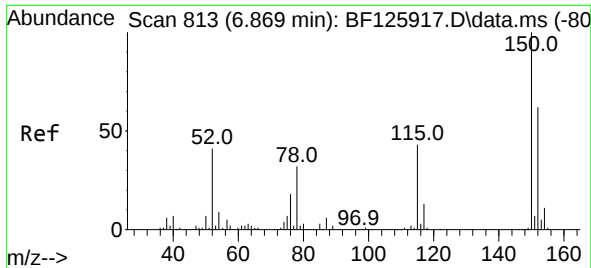
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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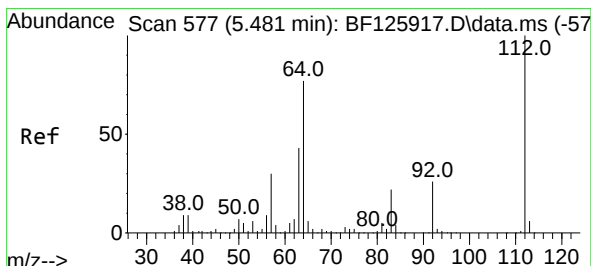
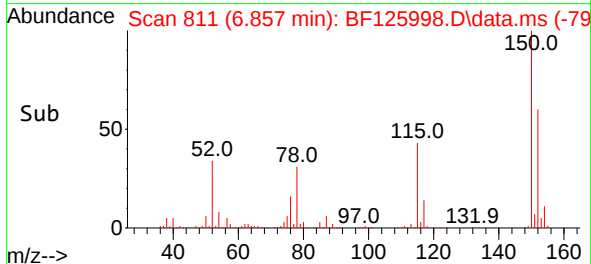
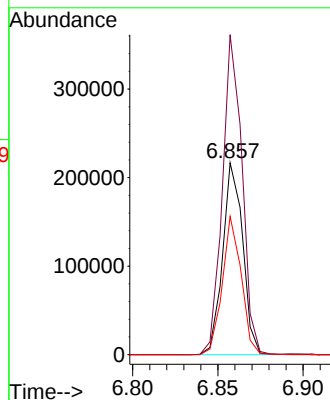
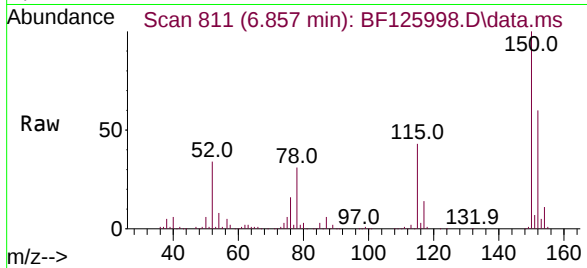




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF125998.D
Acq: 28 Oct 2021 20:05

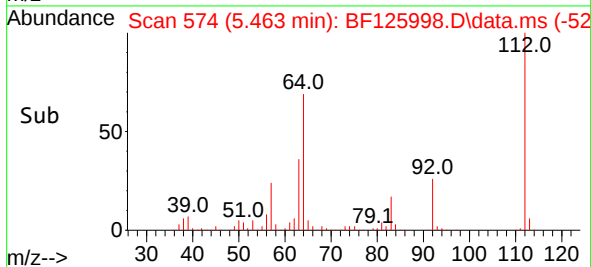
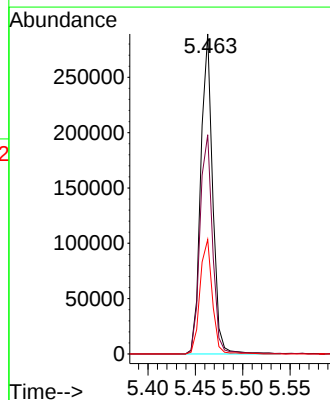
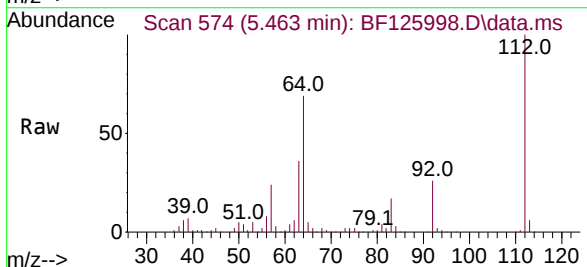
Instrument :
BNA_F
ClientSampleId :
SU-04-102621

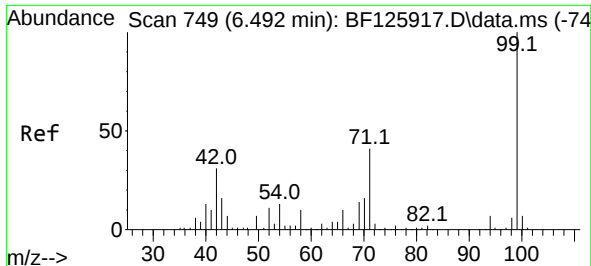
Tgt Ion:152 Resp: 177460
Ion Ratio Lower Upper
152 100
150 166.8 117.6 176.4
115 72.1 47.1 70.7#



#5
2-Fluorophenol
Concen: 21.279 ng
RT: 5.463 min Scan# 574
Delta R.T. -0.012 min
Lab File: BF125998.D
Acq: 28 Oct 2021 20:05

Tgt Ion:112 Resp: 253515
Ion Ratio Lower Upper
112 100
64 68.5 44.2 66.2#
63 35.8 26.2 39.2

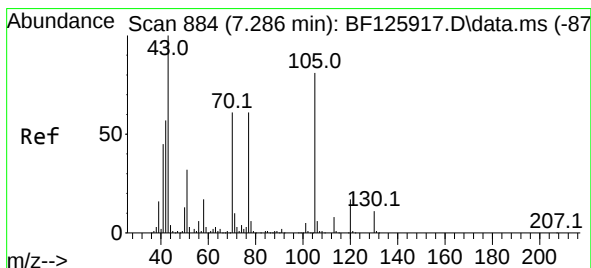
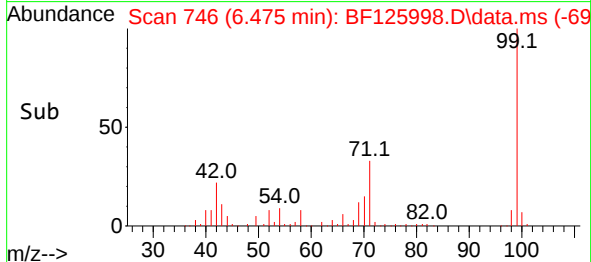
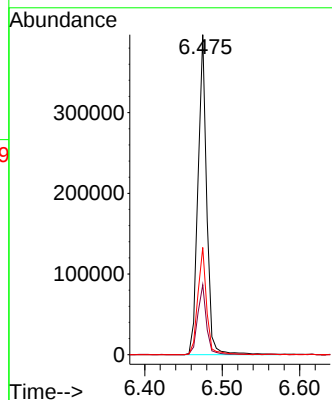
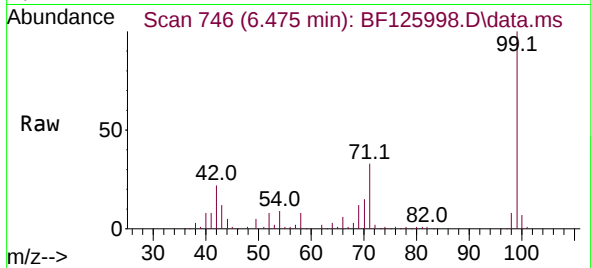




#7
Phenol-d6
Concen: 18.944 ng
RT: 6.475 min Scan# 746
Delta R.T. -0.012 min
Lab File: BF125998.D
Acq: 28 Oct 2021 20:05

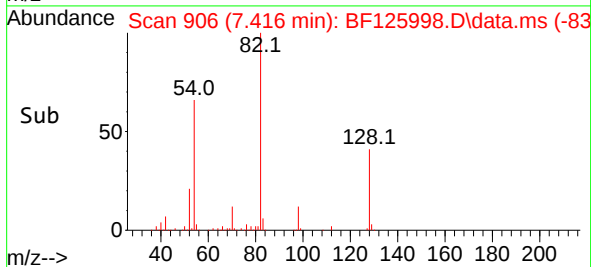
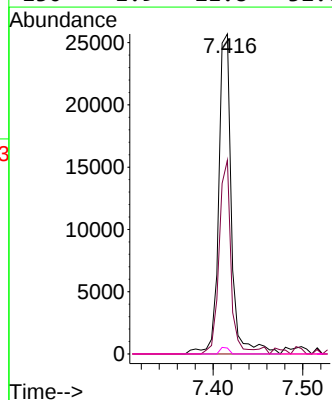
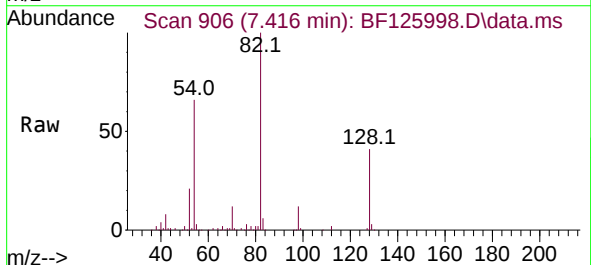
Instrument :
BNA_F
ClientSampleId :
SU-04-102621

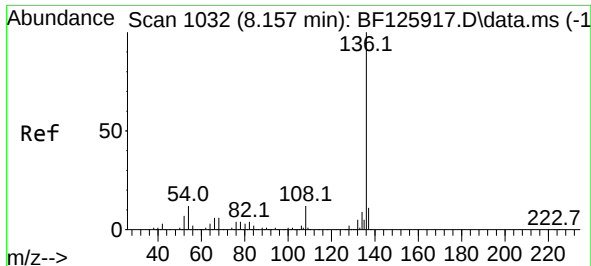
Tgt Ion: 99 Resp: 309565
Ion Ratio Lower Upper
99 100
42 21.8 23.5 35.3#
71 33.5 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.726 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.135 min
Lab File: BF125998.D
Acq: 28 Oct 2021 20:05

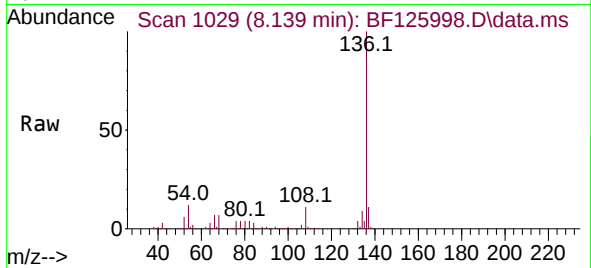
Tgt Ion: 70 Resp: 25446
Ion Ratio Lower Upper
70 100
42 60.5 72.2 108.2#
101 0.0 7.8 11.8#
130 1.9 21.8 32.6#



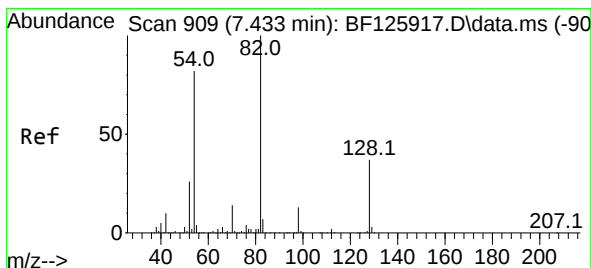
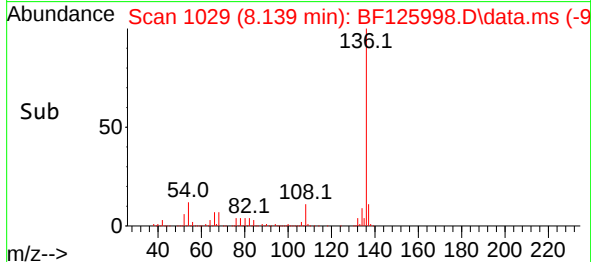
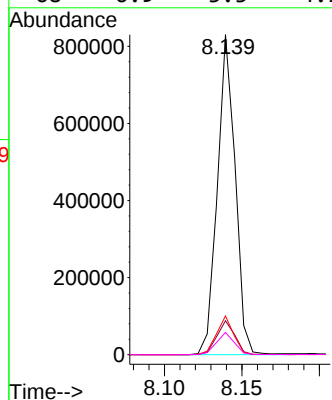


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF125998.D
Acq: 28 Oct 2021 20:05

Instrument :
BNA_F
ClientSampleId :
SU-04-102621

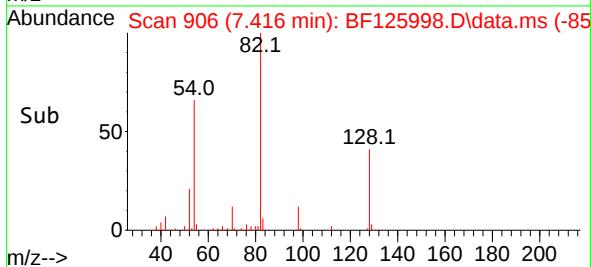
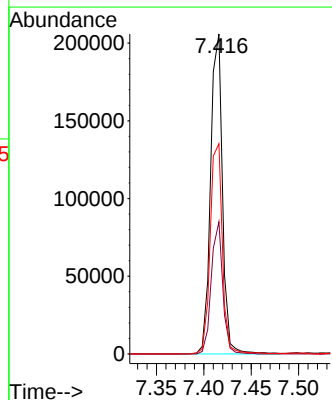
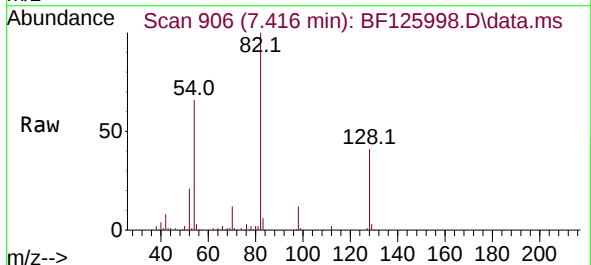


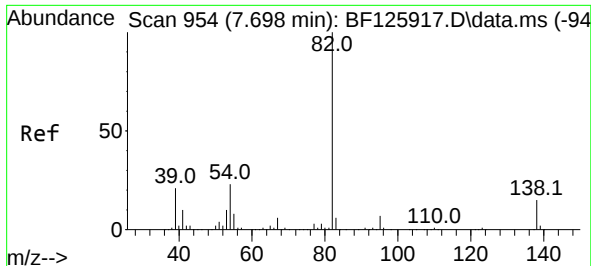
Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.8	14.6
54	12.1	6.4	9.6#
68	6.9	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 13.974 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF125998.D
Acq: 28 Oct 2021 20:05

Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.3	40.6	60.8
54	65.7	49.6	74.4

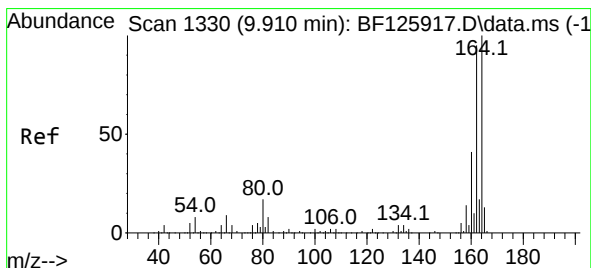
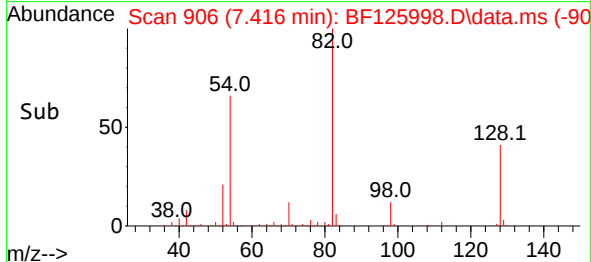
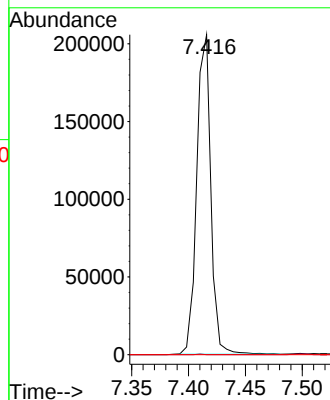
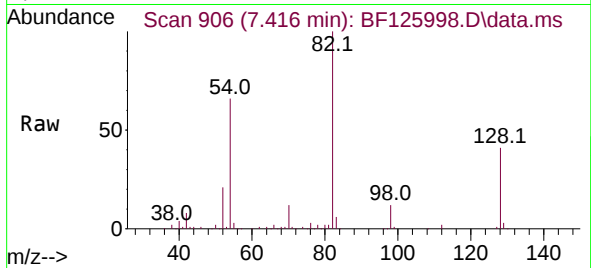




#25
Isophorone
Concen: 7.256 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.271 min
Lab File: BF125998.D
Acq: 28 Oct 2021 20:05

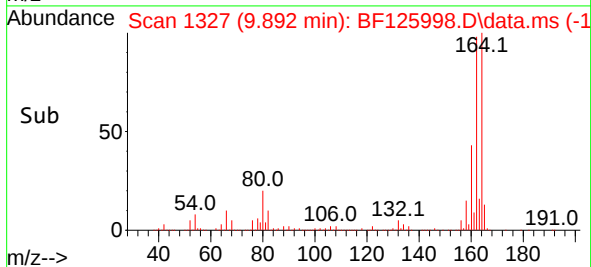
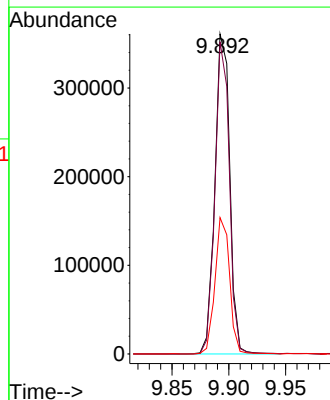
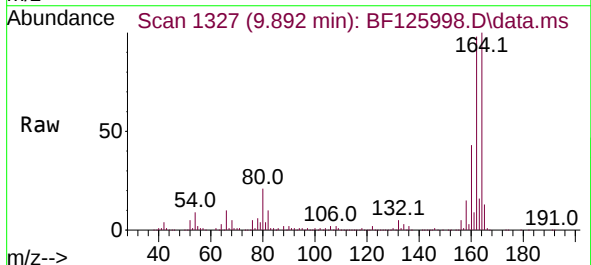
Instrument :
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ClientSampleId :
SU-04-102621

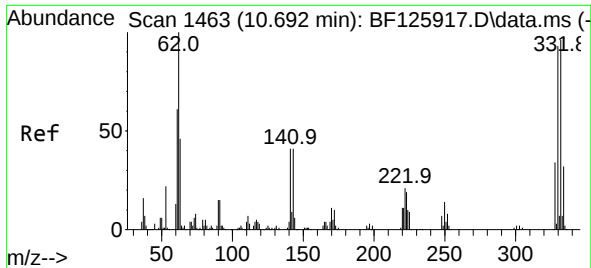
Tgt Ion: 82 Resp: 177362
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF125998.D
Acq: 28 Oct 2021 20:05

Tgt Ion: 164 Resp: 329364
Ion Ratio Lower Upper
164 100
162 97.6 81.3 121.9
160 42.6 38.0 57.0

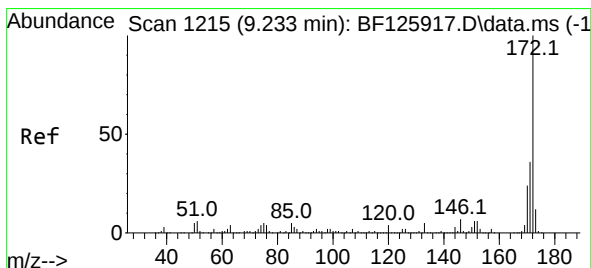
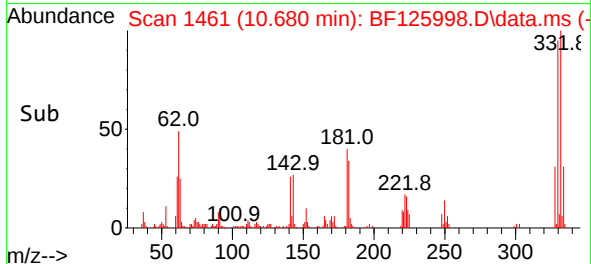
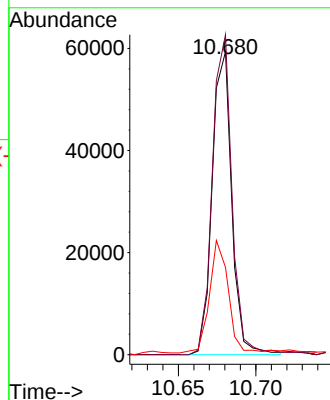
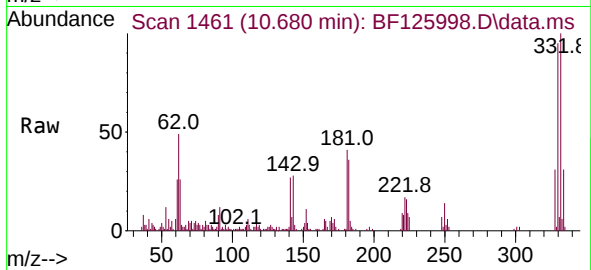




#42
2,4,6-Tribromophenol
Concen: 18.116 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF125998.D
Acq: 28 Oct 2021 20:05

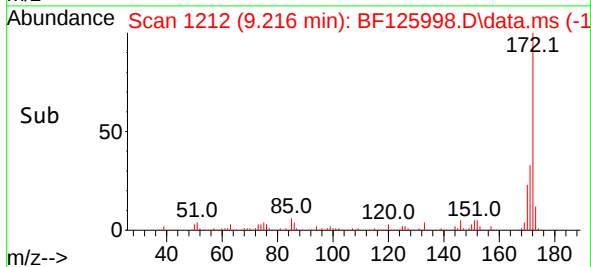
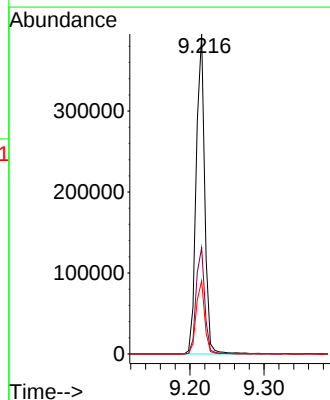
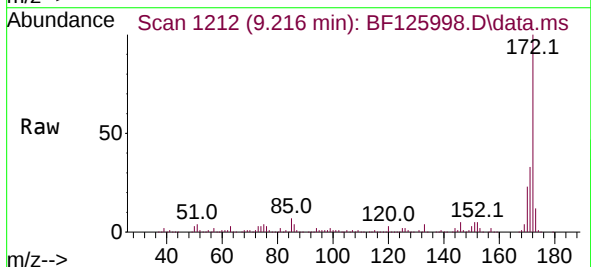
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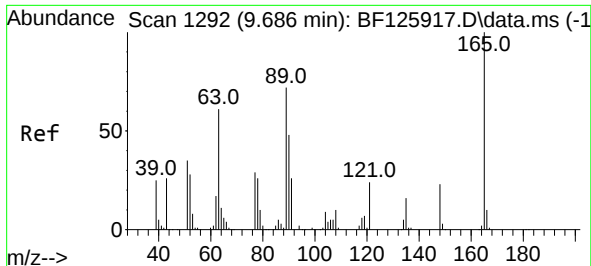
Tgt Ion:330 Resp: 52014
Ion Ratio Lower Upper
330 100
332 106.9 76.2 114.4
141 35.8 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 16.950 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF125998.D
Acq: 28 Oct 2021 20:05

Tgt Ion:172 Resp: 315690
Ion Ratio Lower Upper
172 100
171 33.2 26.5 39.7
170 22.8 18.8 28.2

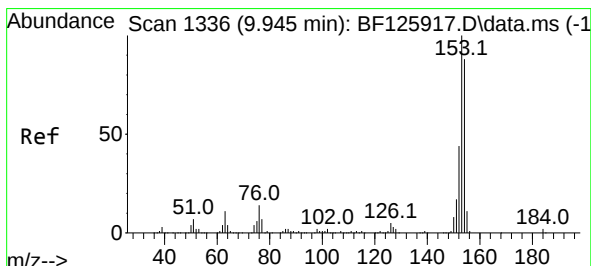
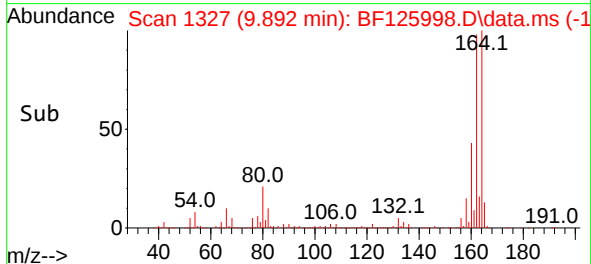
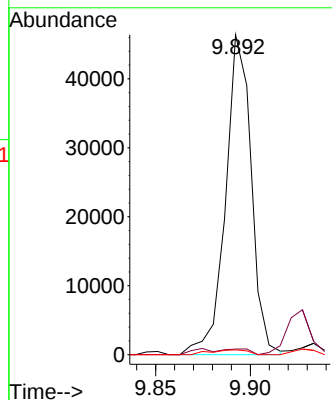
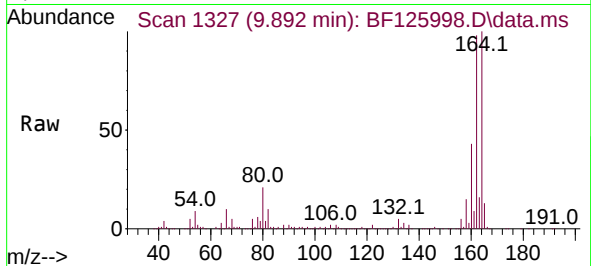




#51
2,6-Dinitrotoluene
Concen: 10.864 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.212 min
Lab File: BF125998.D
Acq: 28 Oct 2021 20:05

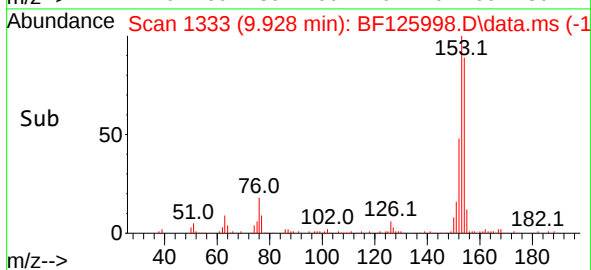
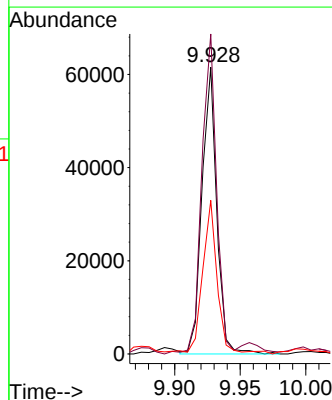
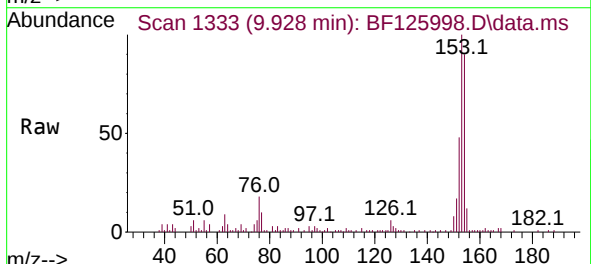
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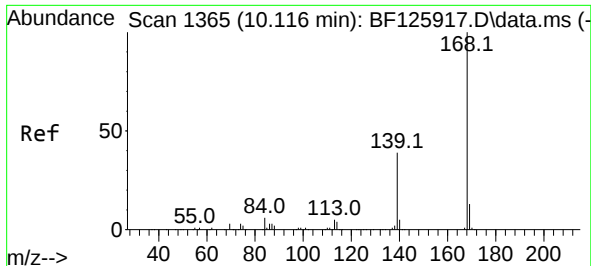
Tgt Ion:165 Resp: 43717
Ion Ratio Lower Upper
165 100
63 1.7 42.6 63.8#
89 1.5 40.6 60.8#



#52
Acenaphthene
Concen: 2.720 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF125998.D
Acq: 28 Oct 2021 20:05

Tgt Ion:154 Resp: 48559
Ion Ratio Lower Upper
154 100
153 111.6 89.4 134.2
152 53.5 40.5 60.7

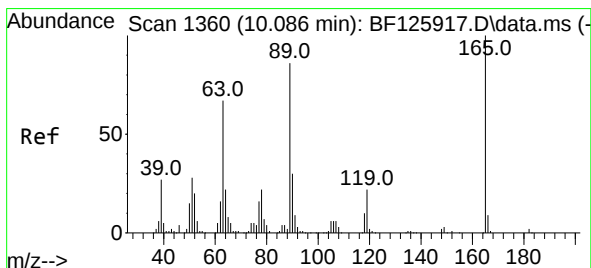
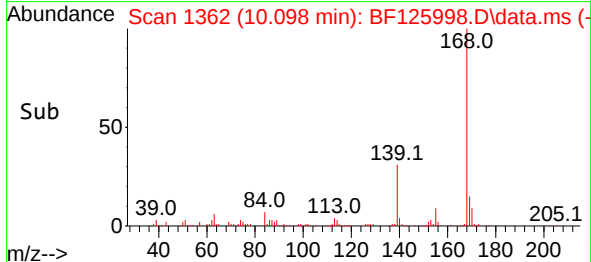
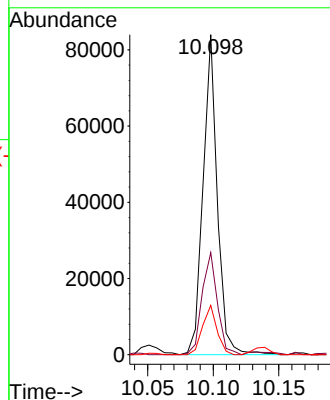
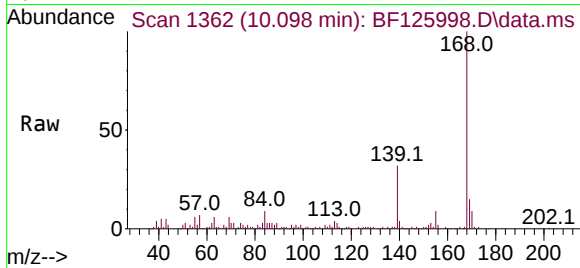




#55
Dibenzenofuran
Concen: 2.389 ng
RT: 10.098 min Scan# 1362
Delta R.T. -0.006 min
Lab File: BF125998.D
Acq: 28 Oct 2021 20:05

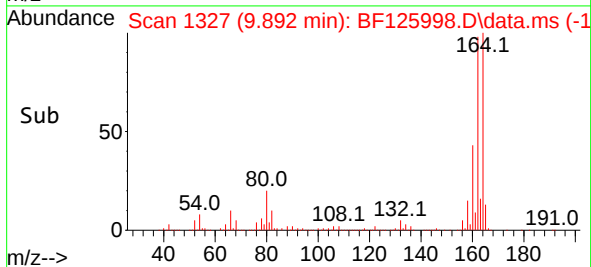
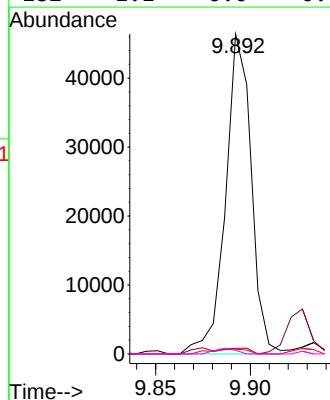
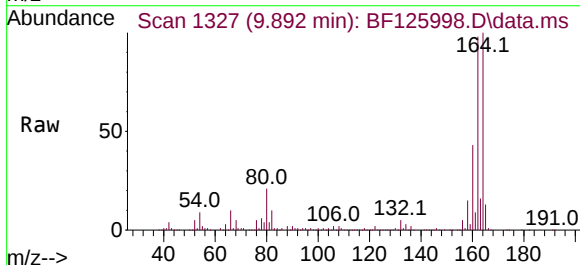
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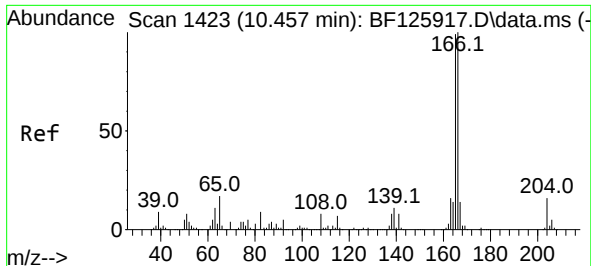
Tgt Ion:168 Resp: 63708
Ion Ratio Lower Upper
168 100
139 31.9 32.7 49.1#
169 15.4 11.2 16.8



#57
2,4-Dinitrotoluene
Concen: 8.845 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.188 min
Lab File: BF125998.D
Acq: 28 Oct 2021 20:05

Tgt Ion:165 Resp: 43717
Ion Ratio Lower Upper
165 100
63 1.7 40.9 61.3#
89 1.5 59.7 89.5#
182 1.1 0.0 0.0#

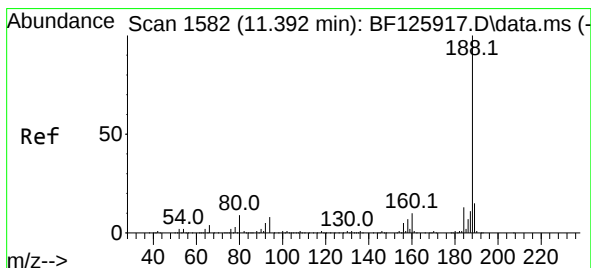
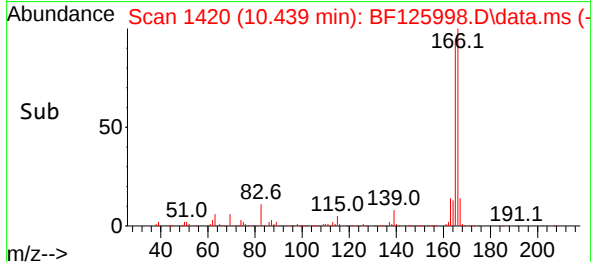
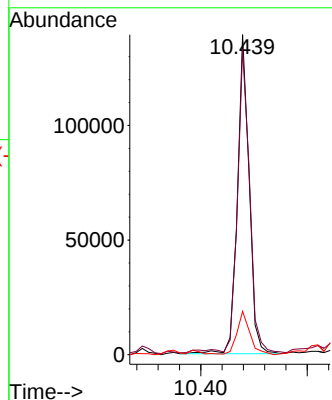
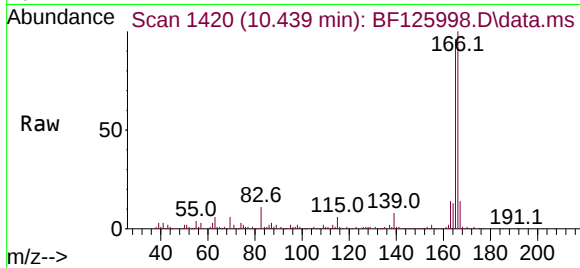




#58
Fluorene
Concen: 2.030 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF125998.D
Acq: 28 Oct 2021 20:05

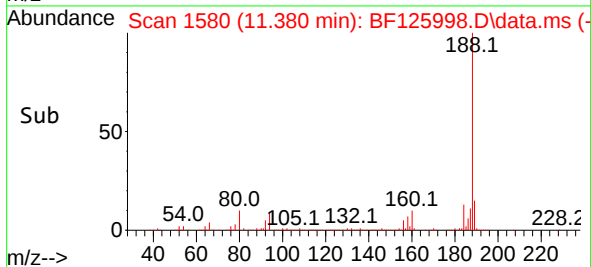
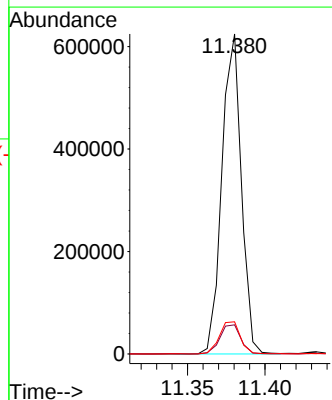
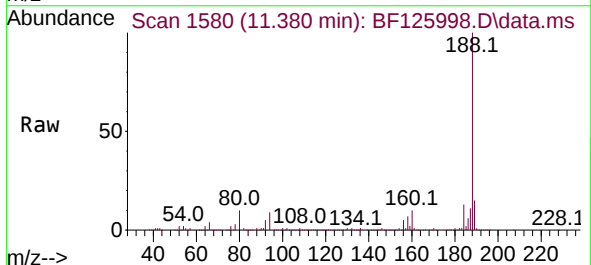
Instrument :
BNA_F
ClientSampleId :
SU-04-102621

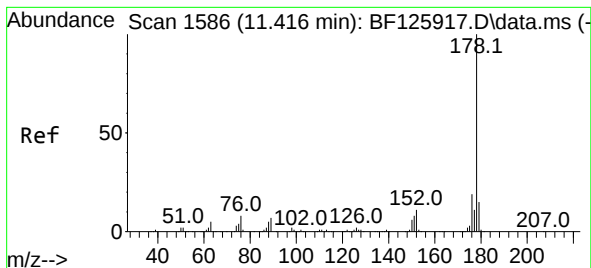
Tgt Ion:166 Resp: 106434
Ion Ratio Lower Upper
166 100
165 95.5 78.1 117.1
167 13.6 11.1 16.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF125998.D
Acq: 28 Oct 2021 20:05

Tgt Ion:188 Resp: 544352
Ion Ratio Lower Upper
188 100
94 9.1 6.7 10.1
80 10.1 7.5 11.3

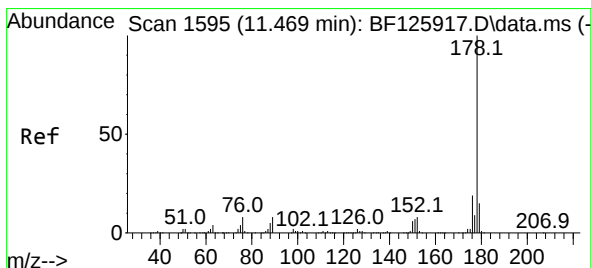
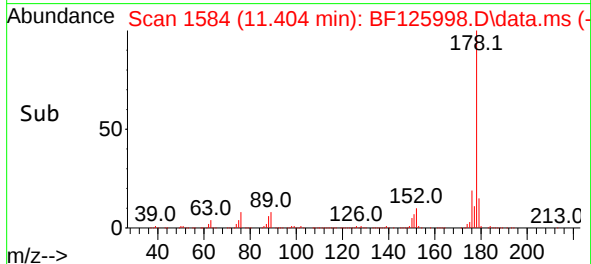
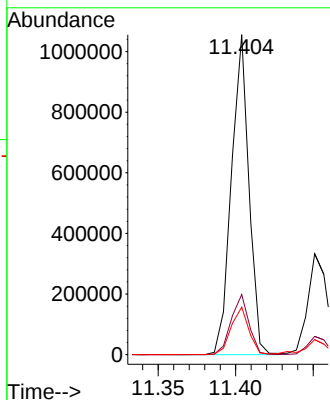
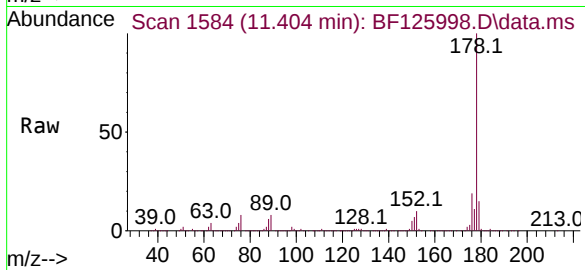




#71
Phenanthrene
Concen: 29.360 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF125998.D
Acq: 28 Oct 2021 20:05

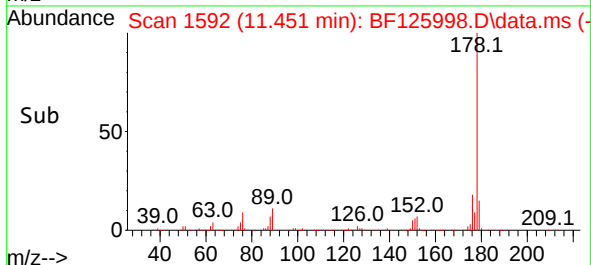
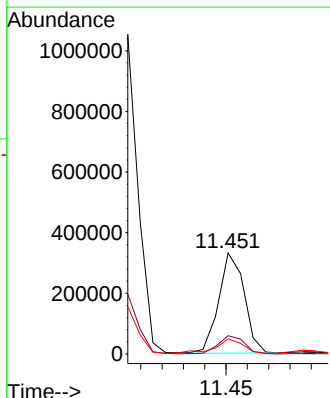
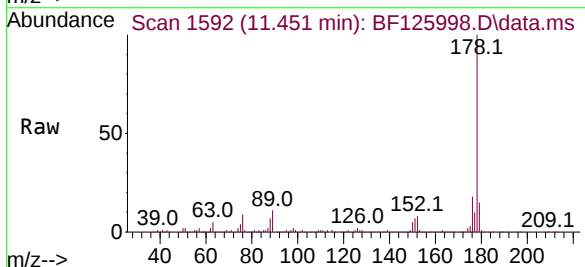
Instrument :
BNA_F
ClientSampleId :
SU-04-102621

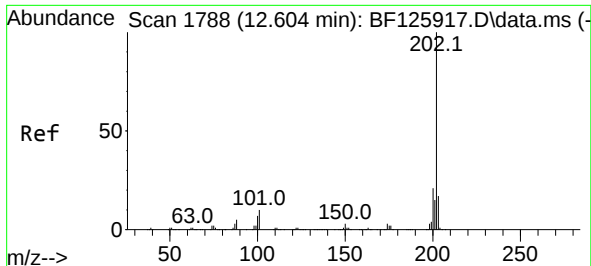
Tgt Ion:178 Resp: 829305
Ion Ratio Lower Upper
178 100
176 18.8 14.7 22.1
179 14.9 11.5 17.3



#72
Anthracene
Concen: 9.773 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF125998.D
Acq: 28 Oct 2021 20:05

Tgt Ion:178 Resp: 275601
Ion Ratio Lower Upper
178 100
176 18.0 14.3 21.5
179 14.9 12.2 18.4

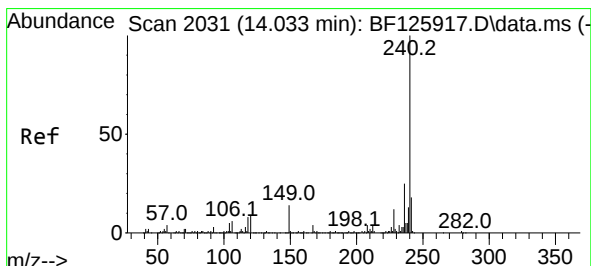
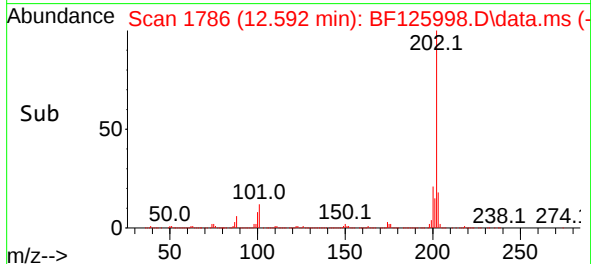
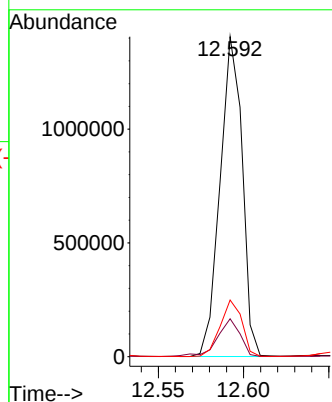
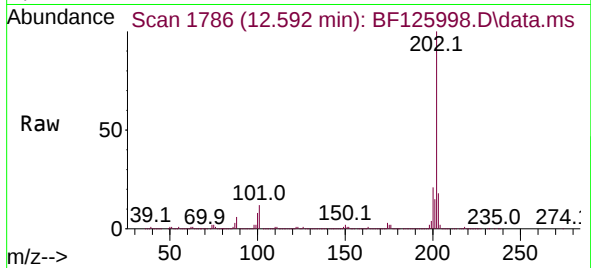




#75
Fluoranthene
Concen: 44.683 ng
RT: 12.592 min Scan# 1786
Delta R.T. -0.000 min
Lab File: BF125998.D
Acq: 28 Oct 2021 20:05

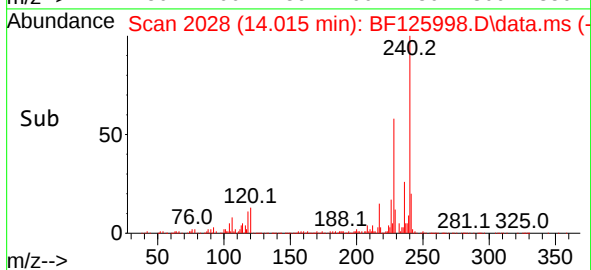
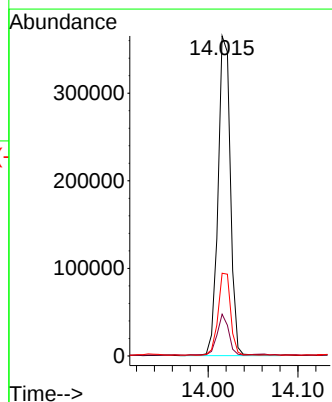
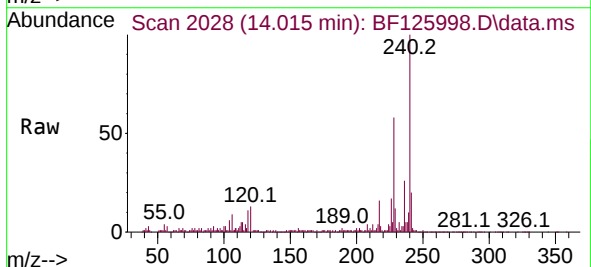
Instrument :
BNA_F
ClientSampleId :
SU-04-102621

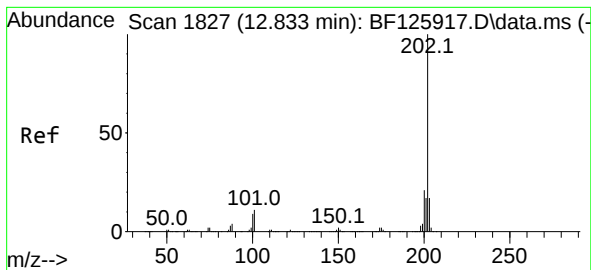
Tgt Ion:202 Resp: 1272321
Ion Ratio Lower Upper
202 100
101 11.8 0.0 30.7
203 17.7 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF125998.D
Acq: 28 Oct 2021 20:05

Tgt Ion:240 Resp: 348016
Ion Ratio Lower Upper
240 100
120 13.0 10.8 16.2
236 25.9 21.6 32.4





#78

Pyrene

Concen: 34.543 ng

RT: 12.821 min Scan# 1825

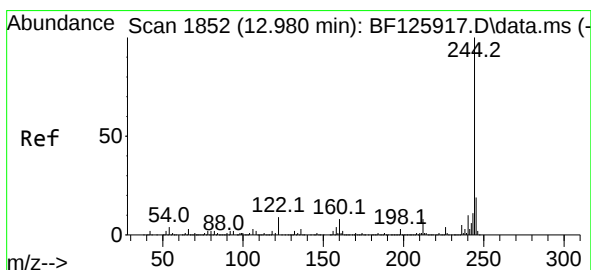
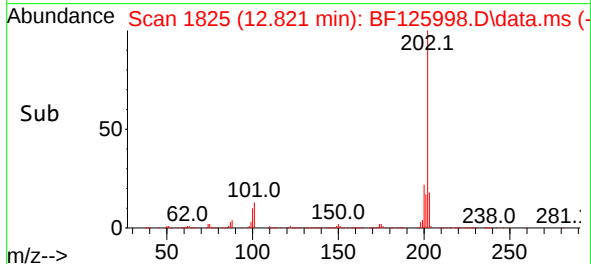
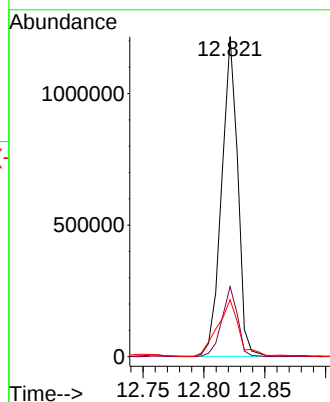
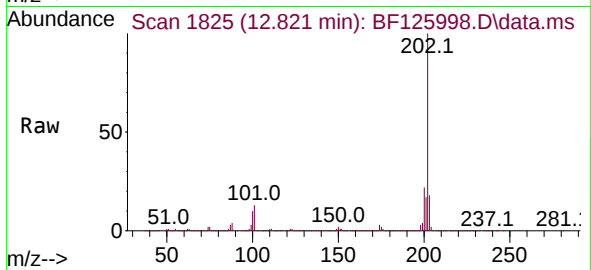
Delta R.T. -0.000 min

Lab File: BF125998.D

Acq: 28 Oct 2021 20:05

Tgt Ion:202 Resp: 1118735

Ion	Ratio	Lower	Upper
202	100		
200	21.9	15.3	22.9
203	17.8	13.4	20.0



#79

Terphenyl-d14

Concen: 14.865 ng

RT: 12.963 min Scan# 1849

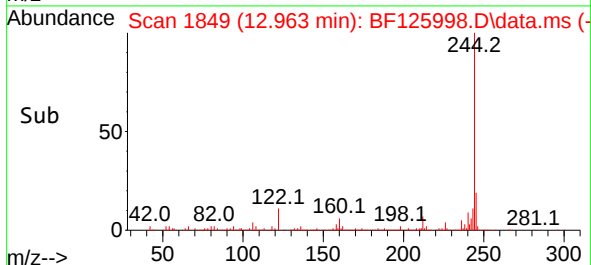
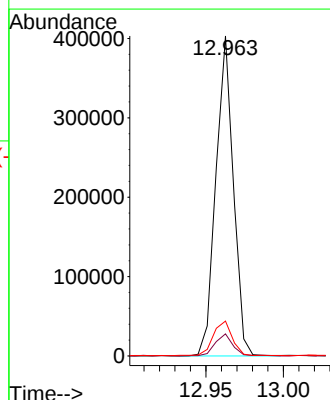
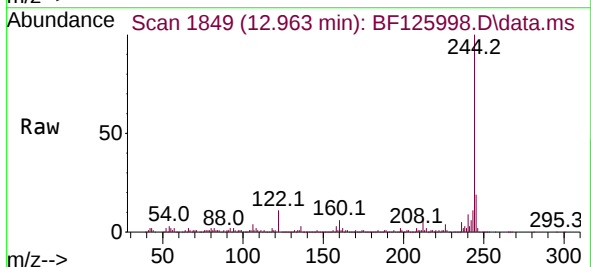
Delta R.T. -0.006 min

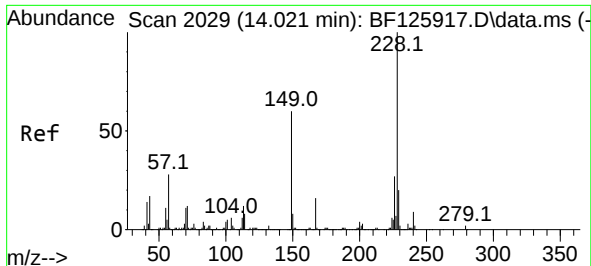
Lab File: BF125998.D

Acq: 28 Oct 2021 20:05

Tgt Ion:244 Resp: 316275

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.9	8.9
122	10.9	9.0	13.4

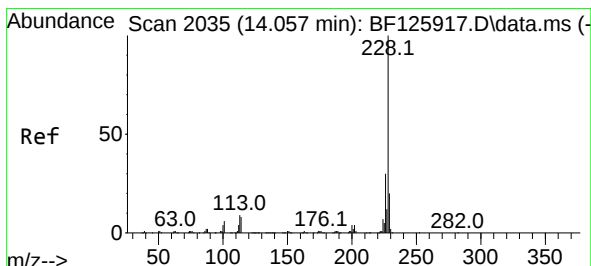
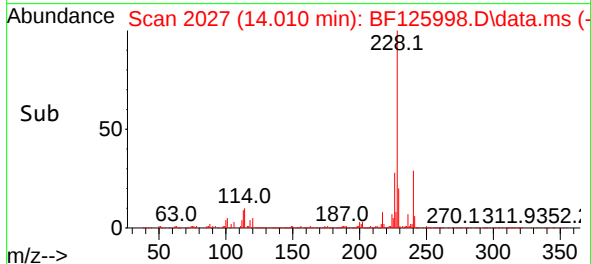
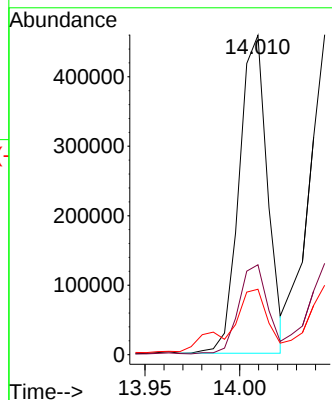
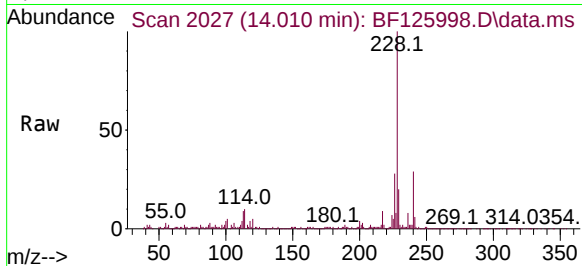




#81
Benzo(a)anthracene
Concen: 20.340 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF125998.D
Acq: 28 Oct 2021 20:05

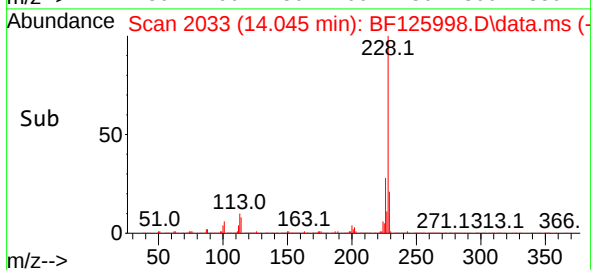
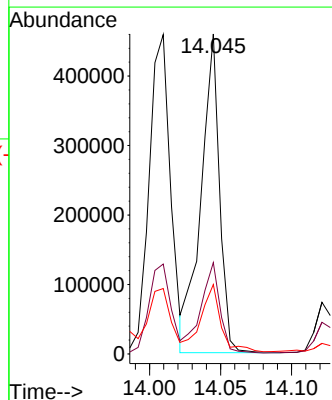
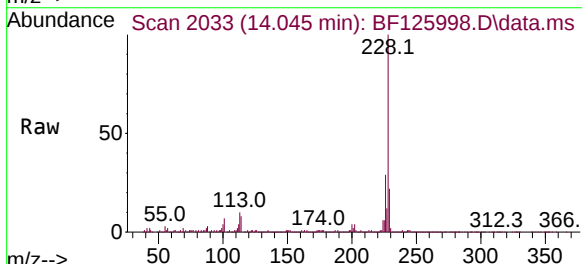
Instrument :
BNA_F
ClientSampleId :
SU-04-102621

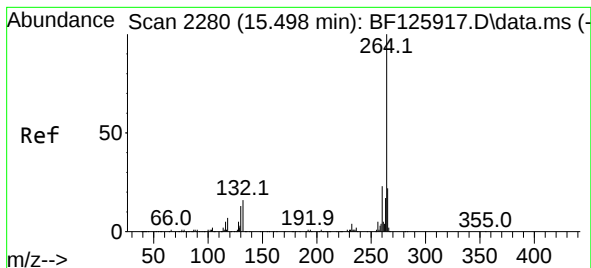
Tgt Ion:228 Resp: 476414
Ion Ratio Lower Upper
228 100
226 28.2 21.6 32.4
229 20.5 15.6 23.4



#83
Chrysene
Concen: 17.604 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF125998.D
Acq: 28 Oct 2021 20:05

Tgt Ion:228 Resp: 417204
Ion Ratio Lower Upper
228 100
226 28.5 22.6 34.0
229 21.7 15.9 23.9

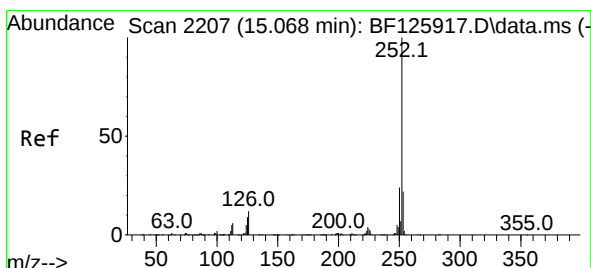
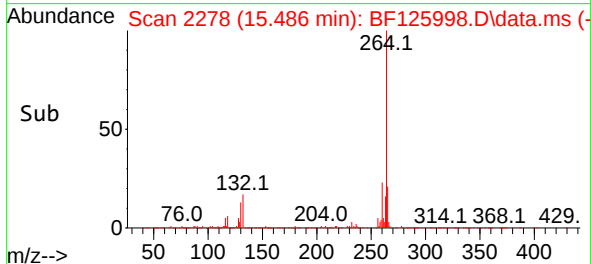
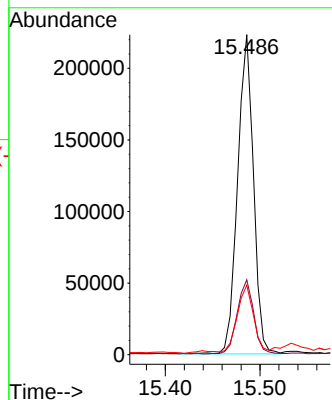
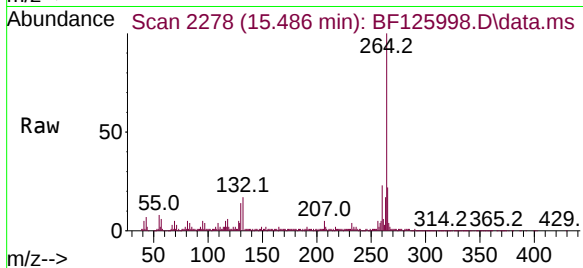




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.486 min Scan# 2278
Delta R.T. 0.006 min
Lab File: BF125998.D
Acq: 28 Oct 2021 20:05

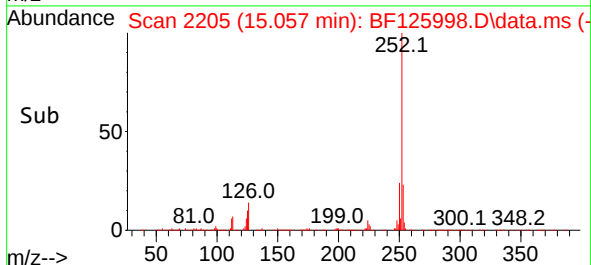
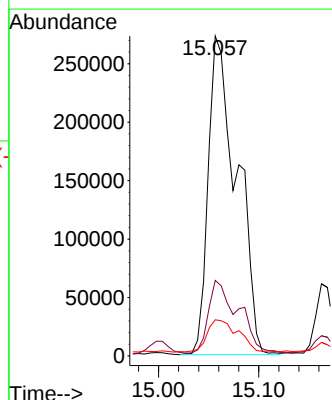
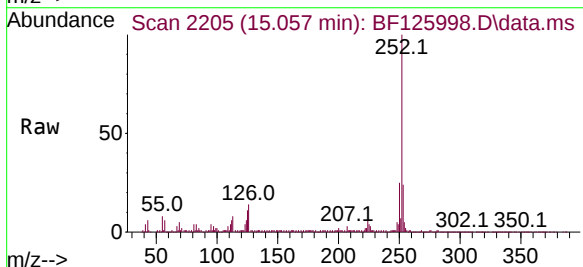
Instrument :
BNA_F
ClientSampleId :
SU-04-102621

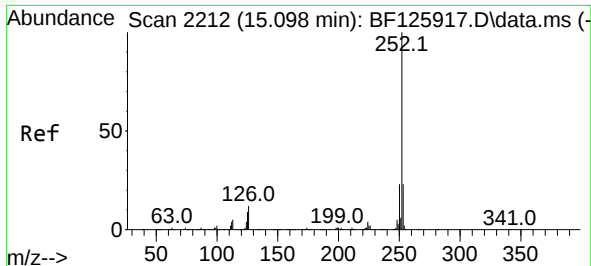
Tgt Ion:264 Resp: 258215
Ion Ratio Lower Upper
264 100
260 23.4 19.6 29.4
265 21.7 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 31.967 ng
RT: 15.057 min Scan# 2205
Delta R.T. -0.000 min
Lab File: BF125998.D
Acq: 28 Oct 2021 20:05

Tgt Ion:252 Resp: 544840
Ion Ratio Lower Upper
252 100
253 23.6 16.8 25.2
125 11.3 9.8 14.8





#89

Benzo(k)fluoranthene

Concen: 33.280 ng

RT: 15.057 min Scan# 2205

Delta R.T. -0.029 min

Lab File: BF125998.D

Acq: 28 Oct 2021 20:05

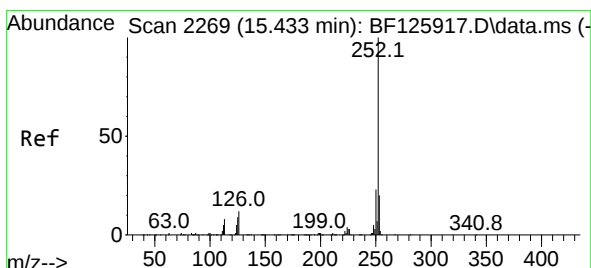
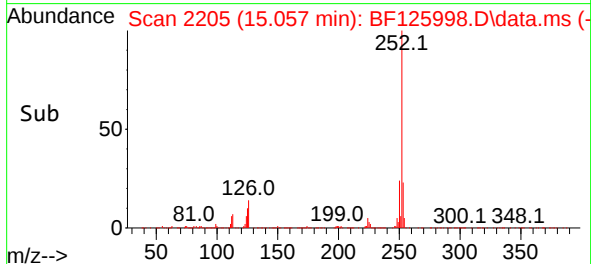
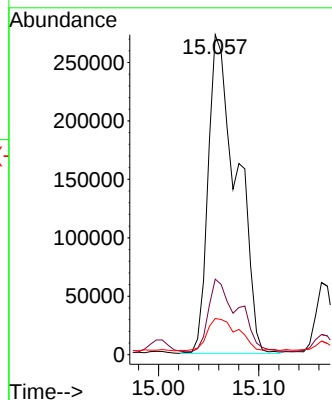
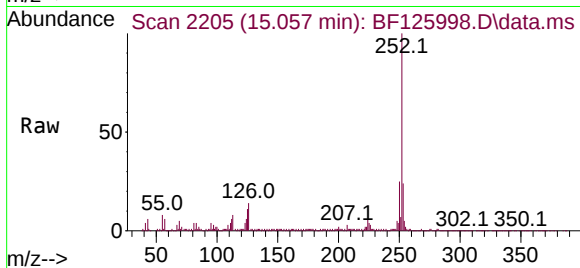
Instrument :

BNA_F

ClientSampleId :

SU-04-102621

Tgt Ion:252	Resp:	544840
Ion Ratio	Lower	Upper
252	100	
253	23.6	17.8 26.8
125	11.3	7.2 10.8#



#90

Benzo(a)pyrene

Concen: 21.201 ng

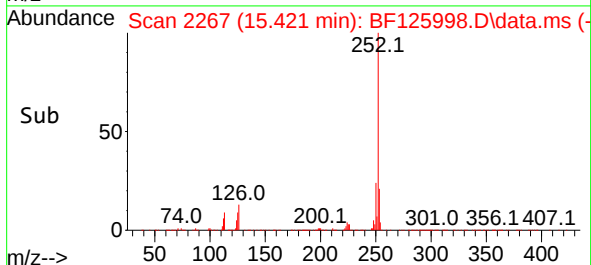
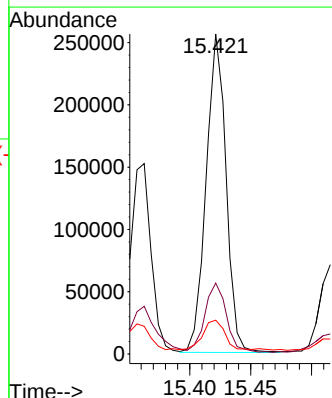
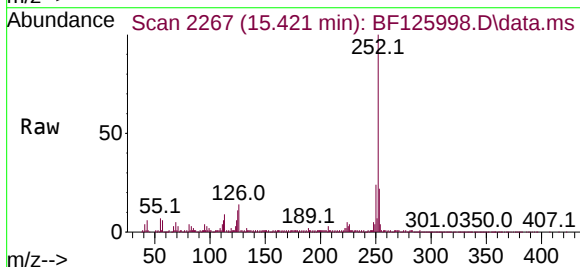
RT: 15.421 min Scan# 2267

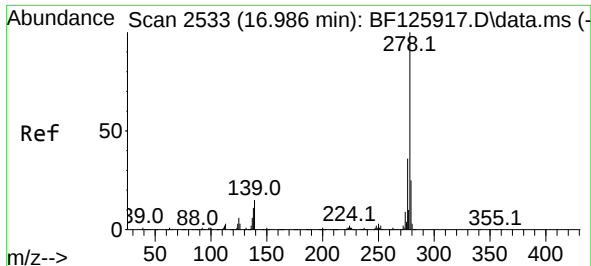
Delta R.T. -0.000 min

Lab File: BF125998.D

Acq: 28 Oct 2021 20:05

Tgt Ion:252	Resp:	291710
Ion Ratio	Lower	Upper
252	100	
253	22.1	18.4 27.6
125	10.5	9.9 14.9

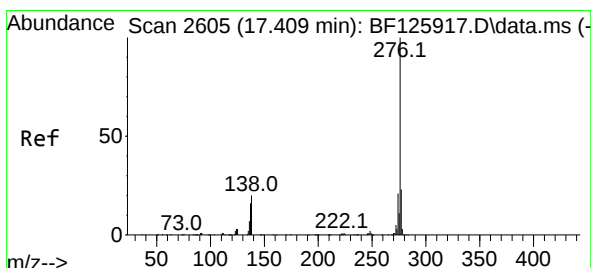
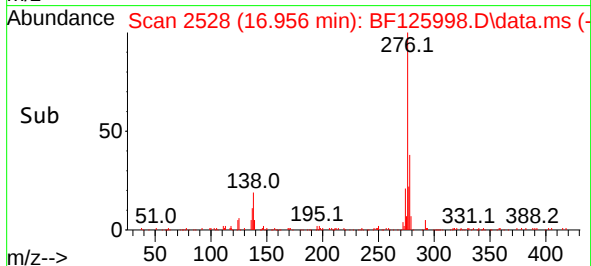
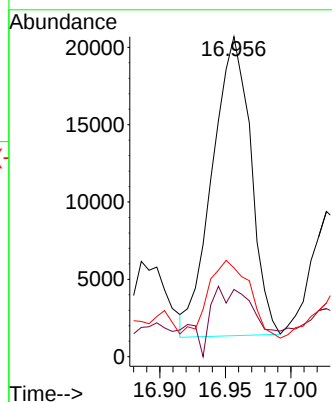
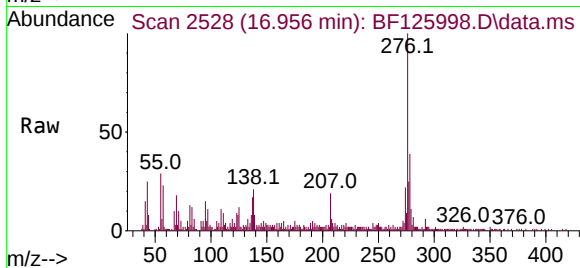




#91
Dibenzo(a,h)anthracene
Concen: 2.619 ng
RT: 16.956 min Scan# 2528
Delta R.T. -0.006 min
Lab File: BF125998.D
Acq: 28 Oct 2021 20:05

Instrument :
BNA_F
ClientSampleId :
SU-04-102621

Tgt Ion:278 Resp: 39465
Ion Ratio Lower Upper
278 100
139 21.0 14.9 22.3
279 27.8 19.7 29.5



#92
Benzo(g,h,i)perylene
Concen: 9.478 ng
RT: 17.380 min Scan# 2600
Delta R.T. -0.006 min
Lab File: BF125998.D
Acq: 28 Oct 2021 20:05

Tgt Ion:276 Resp: 149230
Ion Ratio Lower Upper
276 100
277 24.6 22.0 33.0
138 21.5 22.2 33.4#

