

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102721\
 Data File : BF125966.D
 Acq On : 27 Oct 2021 16:35
 Operator : JU/CG
 Sample : M4372-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5

Quant Time: Oct 28 08:58:48 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 25 18:49:16 2021
 Response via : Initial Calibration

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

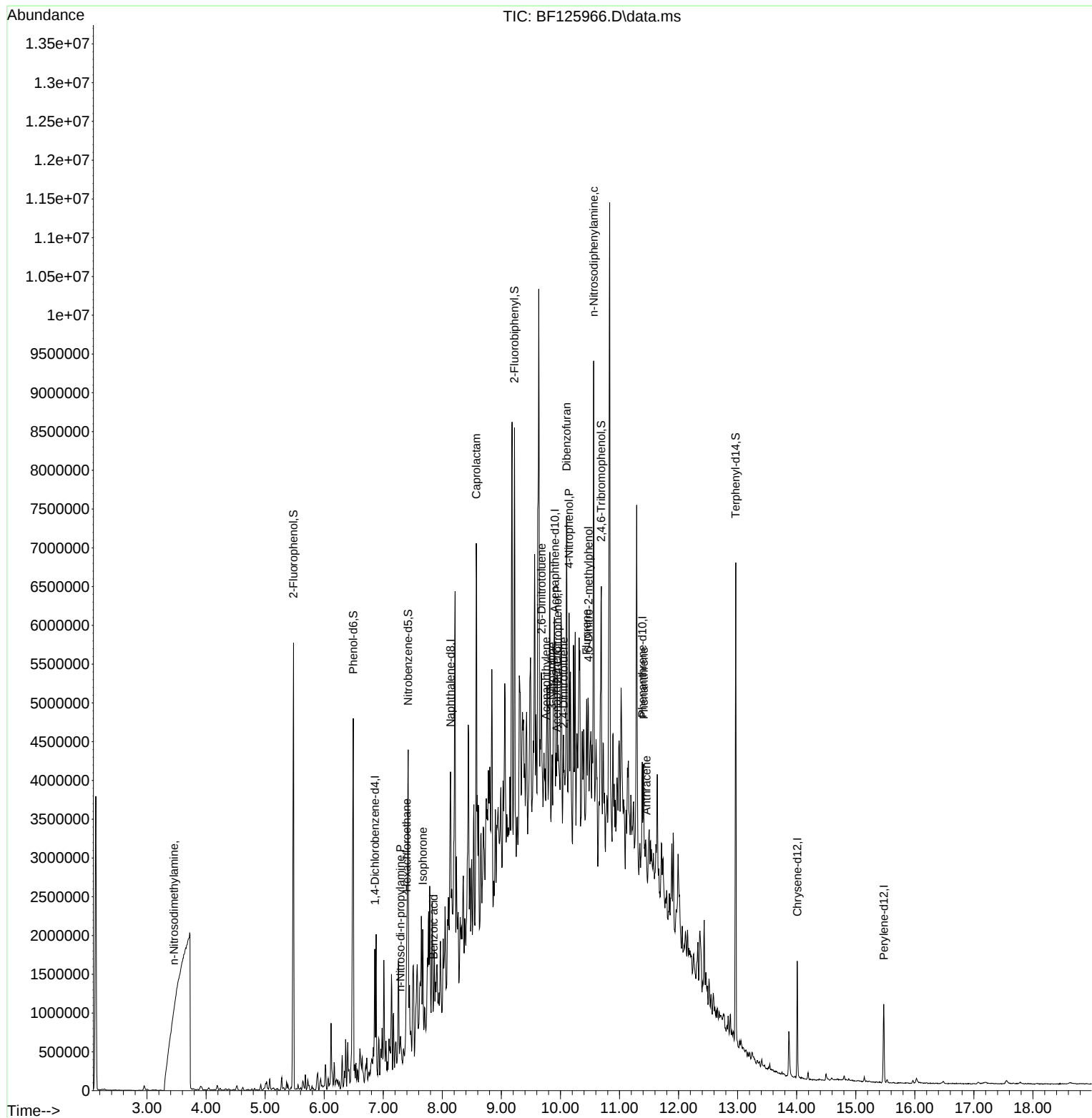
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	167575	20.000	ng	-0.01
21) Naphthalene-d8	8.139	136	593677	20.000	ng	#-0.02
39) Acenaphthene-d10	9.904	164	300918	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	608995	20.000	ng	# 0.00
76) Chrysene-d12	14.010	240	484339	20.000	ng	-0.02
86) Perylene-d12	15.474	264	438916	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	1475533	131.156	ng	0.00
7) Phenol-d6	6.492	99	1932711	125.252	ng	0.00
23) Nitrobenzene-d5	7.422	82	1234135	107.377	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	390155	148.731	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	1780694	104.647	ng	-0.01
79) Terphenyl-d14	12.968	244	2167956	73.217	ng	-0.01
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.457	42	118756	12.720	ng	# 13
18) Hexachloroethane	7.398	117	25674	5.397	ng	# 1
19) n-Nitroso-di-n-propyla...	7.292	70	19168	2.174	ng	# 49
25) Isophorone	7.669	82	61171	2.795	ng	# 1
32) Benzoic acid	7.851	122	1710	4.421	ng	# 1
35) Caprolactam	8.575	113	103884	37.891	ng	# 1
49) Acenaphthylene	9.757	152	51014	2.032	ng	# 1
51) 2,6-Dinitrotoluene	9.680	165	11793	3.208	ng	# 1
52) Acenaphthene	9.933	154	57074	3.499	ng	# 68
53) 3-Nitroaniline	9.857	138	18384	4.362	ng	# 34
54) 2,4-Dinitrophenol	9.951	184	1560	8.043	ng	# 1
55) Dibenzofuran	10.104	168	81624	3.350	ng	# 1
56) 4-Nitrophenol	10.145	139	37567	11.470	ng	# 85
57) 2,4-Dinitrotoluene	10.057	165	18032	3.993	ng	# 58
58) Fluorene	10.445	166	170899	7.363	ng	# 83
65) 4,6-Dinitro-2-methylph...	10.474	198	3067	7.067	ng	# 1
66) n-Nitrosodiphenylamine	10.563	169	297362	16.302	ng	# 50
71) Phenanthrene	11.410	178	463620	14.672	ng	# 93
72) Anthracene	11.457	178	65604	2.079	ng	# 66

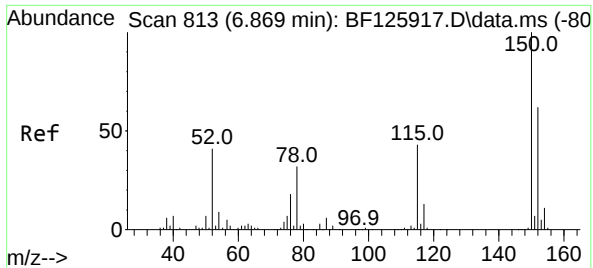
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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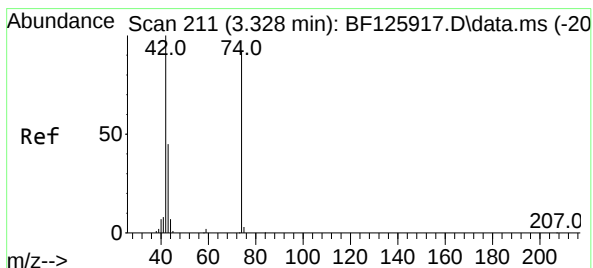
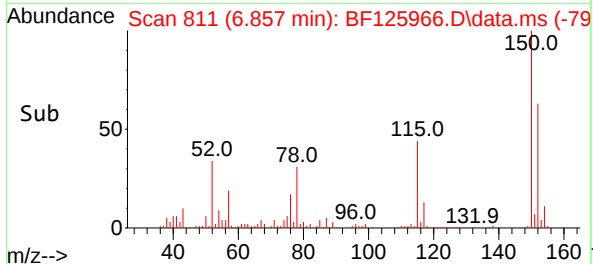
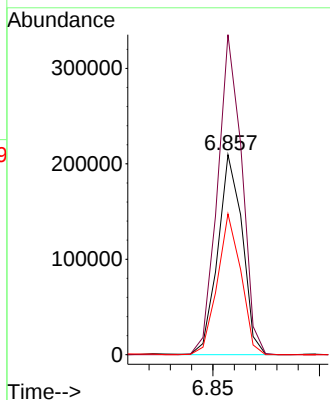
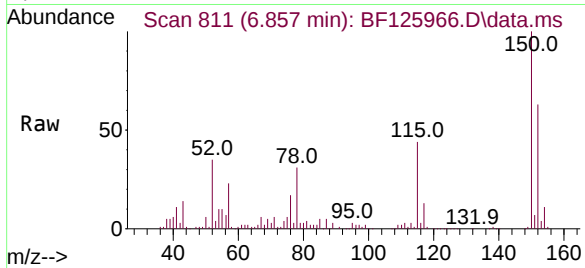




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.012 min
Lab File: BF125966.D
Acq: 27 Oct 2021 16:35

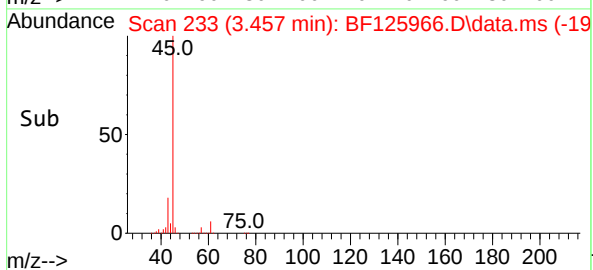
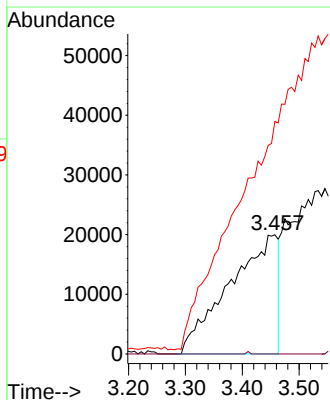
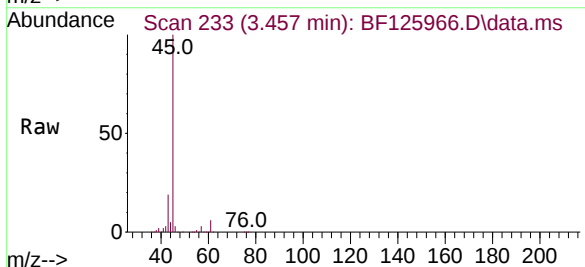
Instrument :
BNA_F
ClientSampleId :
SB-5

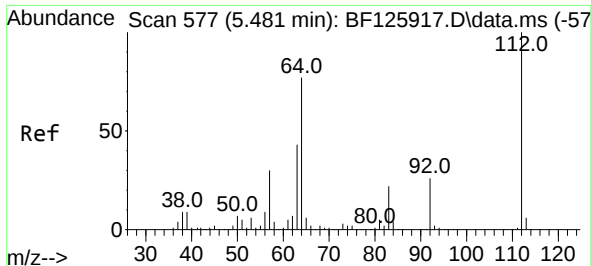
Tgt Ion:152 Resp: 167575
Ion Ratio Lower Upper
152 100
150 160.0 117.6 176.4
115 70.4 47.1 70.7



#4
n-Nitrosodimethylamine
Concen: 12.720 ng
RT: 3.457 min Scan# 233
Delta R.T. 0.129 min
Lab File: BF125966.D
Acq: 27 Oct 2021 16:35

Tgt Ion: 42 Resp: 118756
Ion Ratio Lower Upper
42 100
74 0.0 59.0 88.6#
44 194.9 0.0 0.0#

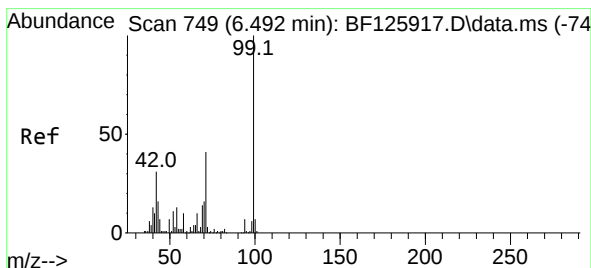
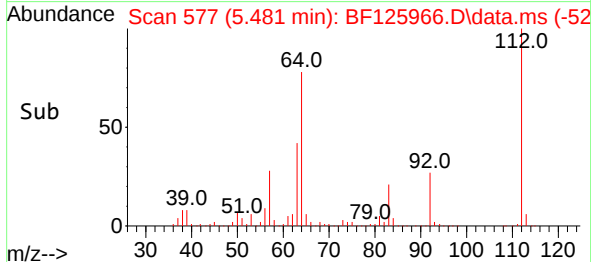
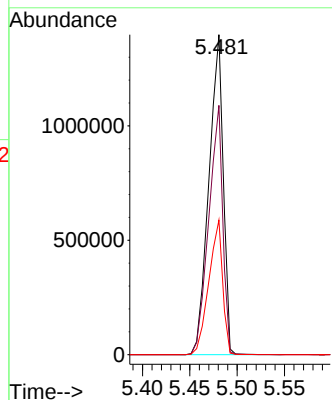
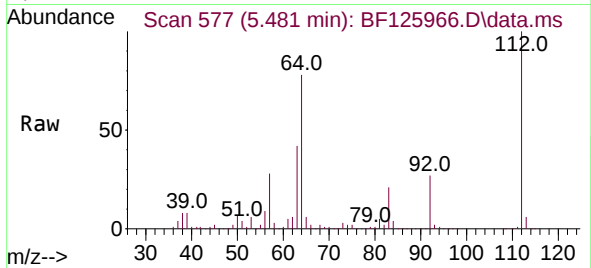




#5
2-Fluorophenol
Concen: 131.156 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF125966.D
Acq: 27 Oct 2021 16:35

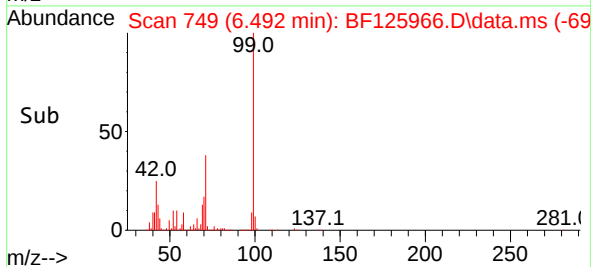
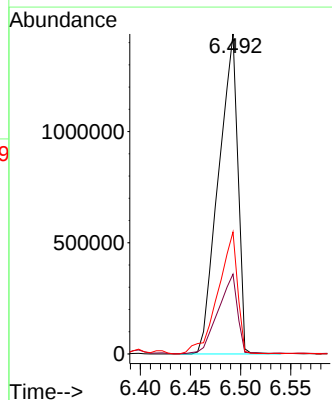
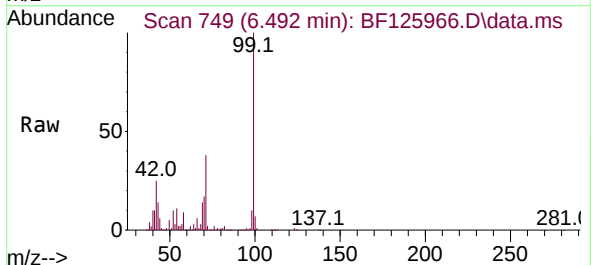
Instrument :
BNA_F
ClientSampleId :
SB-5

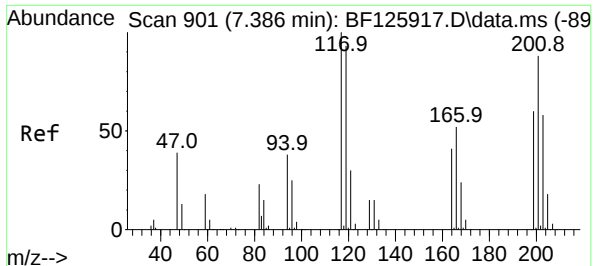
Tgt Ion:112 Resp: 1475533
Ion Ratio Lower Upper
112 100
64 77.9 44.2 66.2#
63 42.0 26.2 39.2#



#7
Phenol-d6
Concen: 125.252 ng
RT: 6.492 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF125966.D
Acq: 27 Oct 2021 16:35

Tgt Ion: 99 Resp: 1932711
Ion Ratio Lower Upper
99 100
42 25.0 23.5 35.3
71 38.1 25.6 38.4

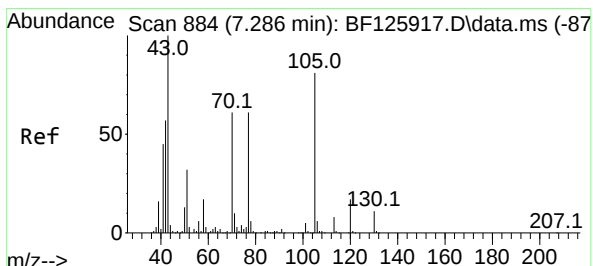
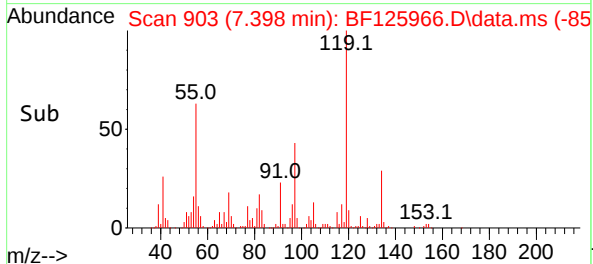
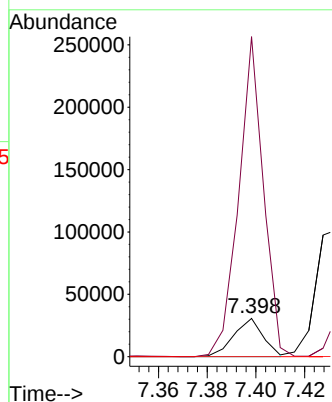
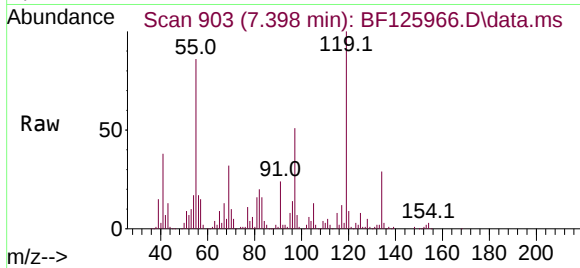




#18
Hexachloroethane
Concen: 5.397 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.012 min
Lab File: BF125966.D
Acq: 27 Oct 2021 16:35

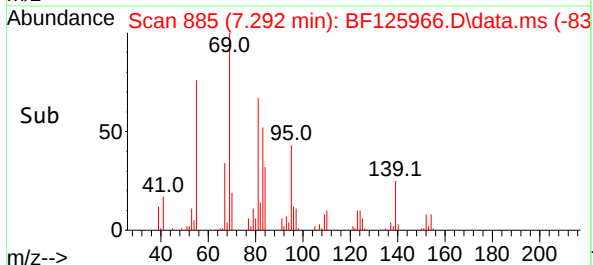
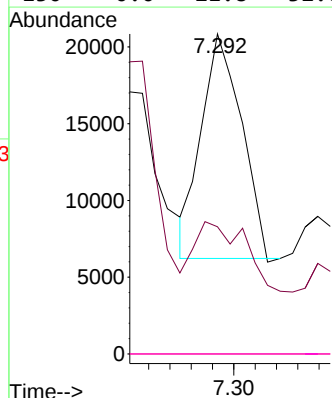
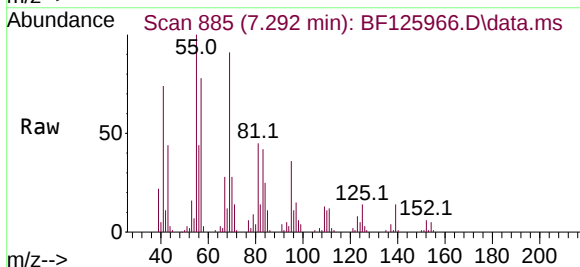
Instrument :
BNA_F
ClientSampled :
SB-5

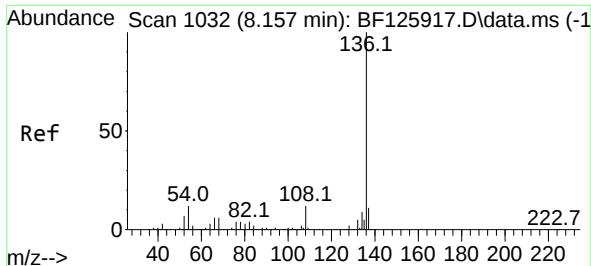
Tgt Ion:117 Resp: 25674
Ion Ratio Lower Upper
117 100
119 835.9 73.4 110.2#
201 0.0 64.9 97.3#



#19
n-Nitroso-di-n-propylamine
Concen: 2.174 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.006 min
Lab File: BF125966.D
Acq: 27 Oct 2021 16:35

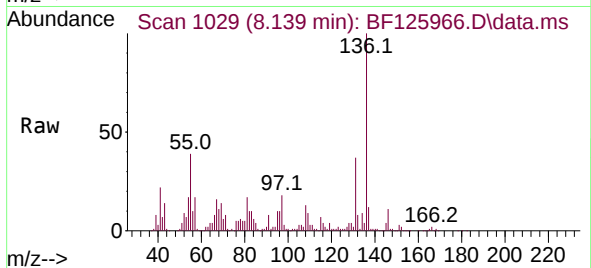
Tgt Ion: 70 Resp: 19168
Ion Ratio Lower Upper
70 100
42 39.8 72.2 108.2#
101 0.0 7.8 11.8#
130 0.0 21.8 32.6#



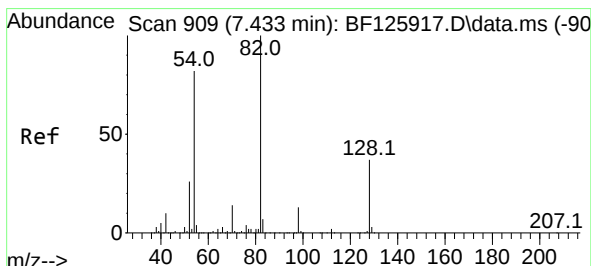
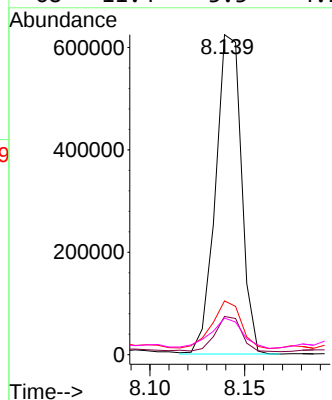
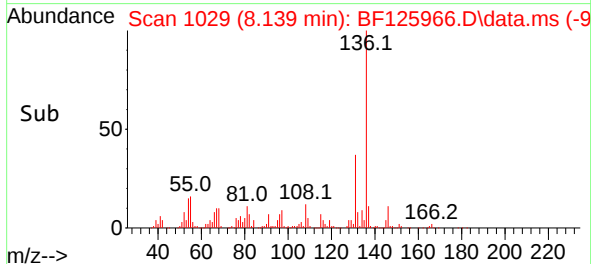


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.018 min
Lab File: BF125966.D
Acq: 27 Oct 2021 16:35

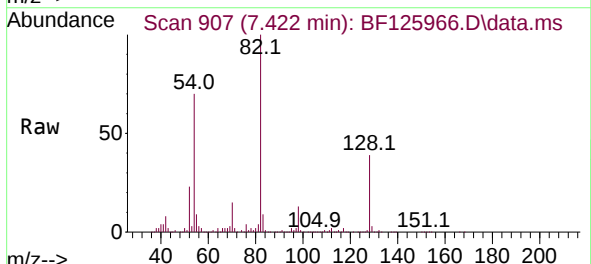
Instrument :
BNA_F
ClientSampled :
SB-5



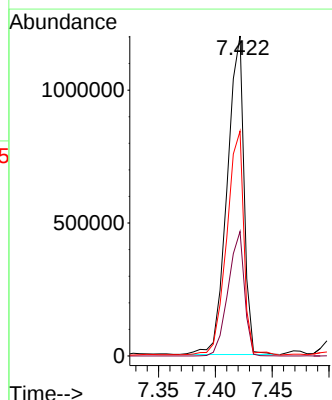
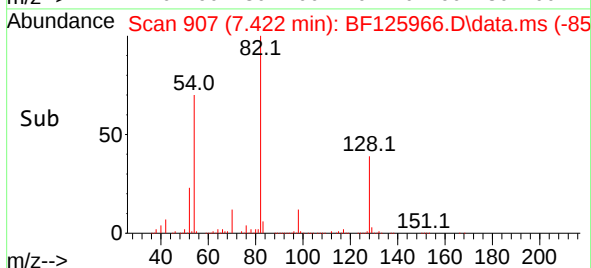
Tgt Ion:136	Resp: 593677
Ion Ratio	Lower Upper
136	100
137	11.9 9.8 14.6
54	16.8 6.4 9.6#
68	11.4 3.3 4.9#

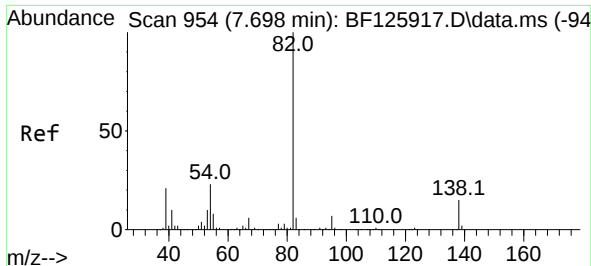


#23
Nitrobenzene-d5
Concen: 107.377 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF125966.D
Acq: 27 Oct 2021 16:35



Tgt Ion: 82	Resp: 1234135
Ion Ratio	Lower Upper
82	100
128	38.9 40.6 60.8#
54	70.3 49.6 74.4

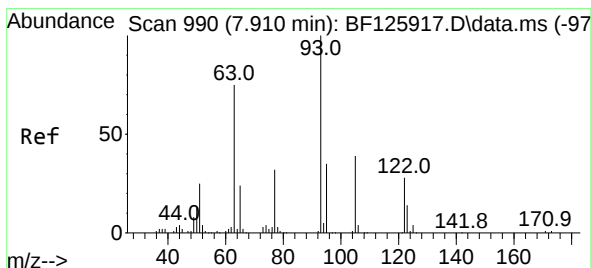
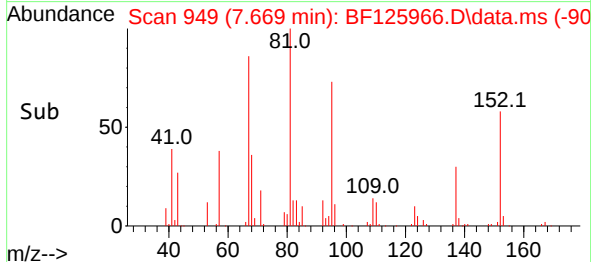
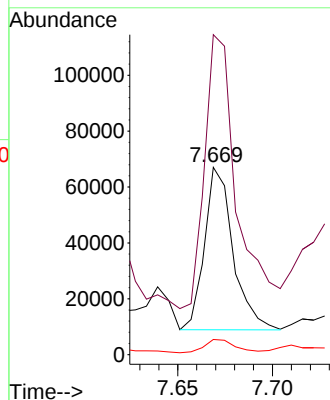
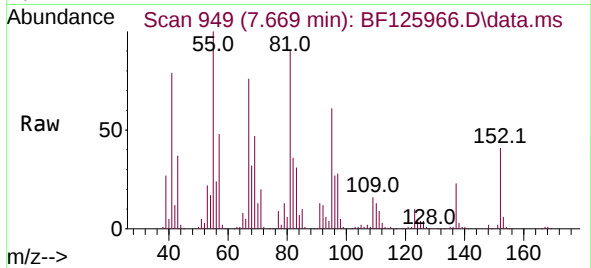




#25
Isophorone
Concen: 2.795 ng
RT: 7.669 min Scan# 949
Delta R.T. -0.029 min
Lab File: BF125966.D
Acq: 27 Oct 2021 16:35

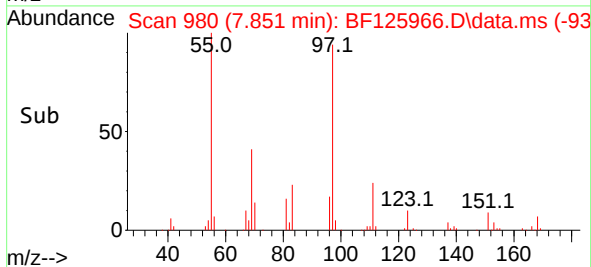
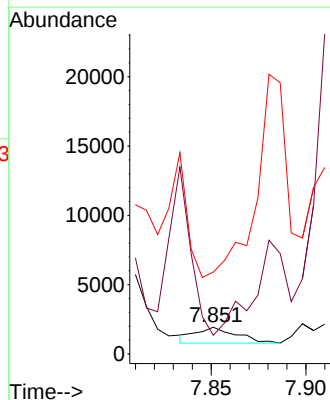
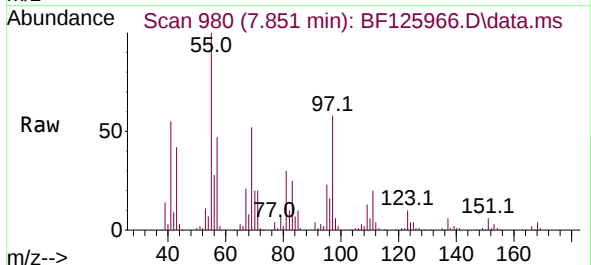
Instrument :
BNA_F
ClientSampleId :
SB-5

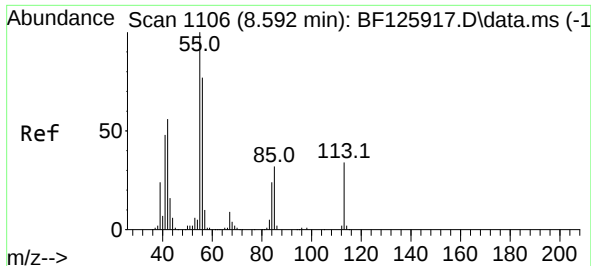
Tgt Ion: 82 Resp: 61171
Ion Ratio Lower Upper
82 100
95 170.7 6.5 9.7#
138 8.1 18.4 27.6#



#32
Benzoic acid
Concen: 4.421 ng
RT: 7.851 min Scan# 980
Delta R.T. -0.059 min
Lab File: BF125966.D
Acq: 27 Oct 2021 16:35

Tgt Ion:122 Resp: 1710
Ion Ratio Lower Upper
122 100
105 70.5 97.6 137.6#
77 307.2 59.6 99.6#

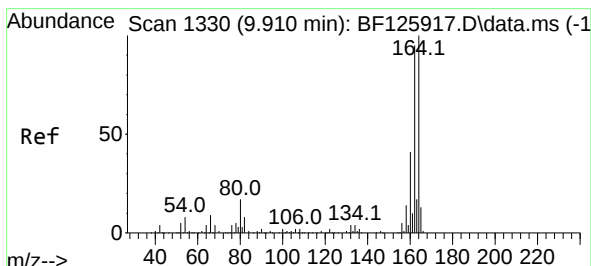
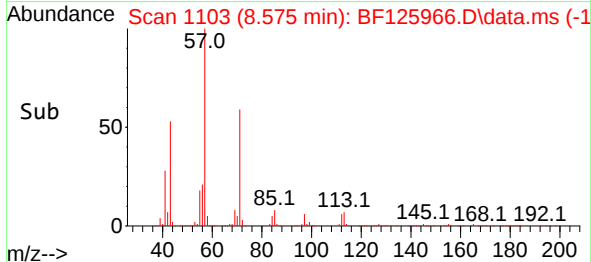
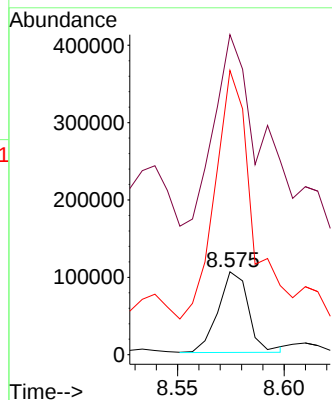
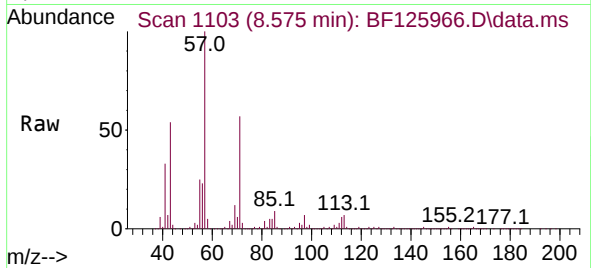




#35
Caprolactam
Concen: 37.891 ng
RT: 8.575 min Scan# 1103
Delta R.T. -0.018 min
Lab File: BF125966.D
Acq: 27 Oct 2021 16:35

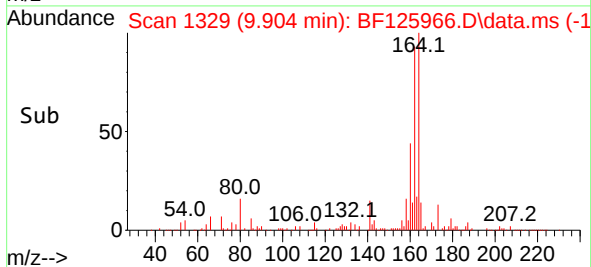
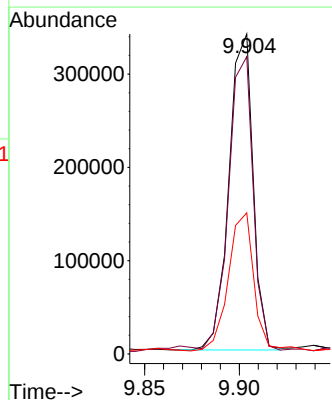
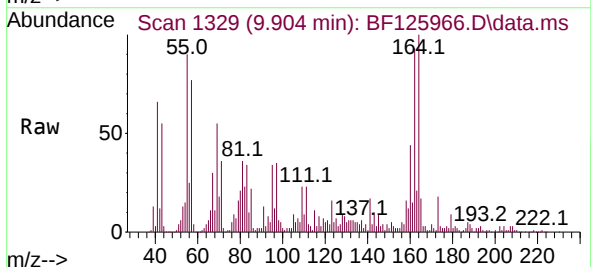
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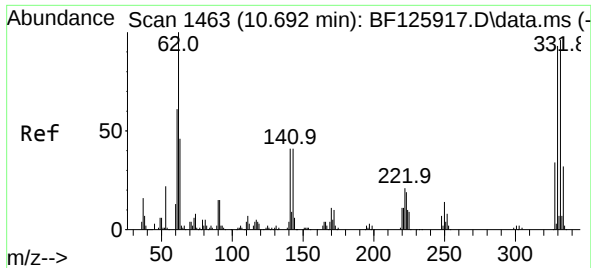
Tgt Ion:113 Resp: 103884
Ion Ratio Lower Upper
113 100
55 386.3 154.1 194.1#
56 343.0 108.7 148.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF125966.D
Acq: 27 Oct 2021 16:35

Tgt Ion:164 Resp: 300918
Ion Ratio Lower Upper
164 100
162 92.9 81.3 121.9
160 44.1 38.0 57.0

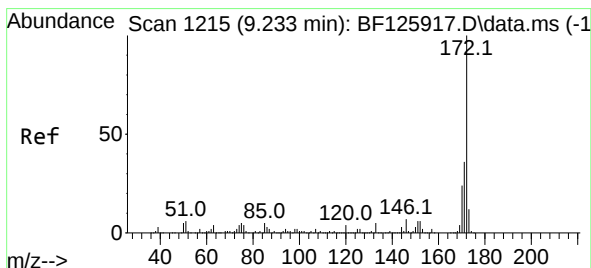
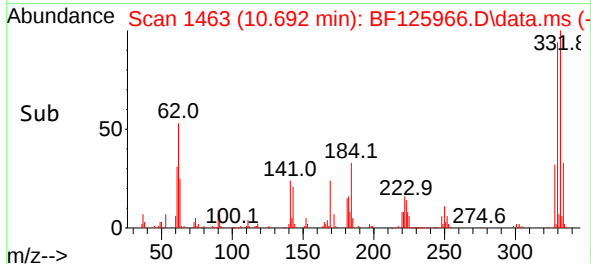
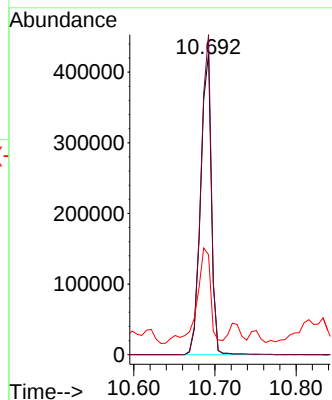
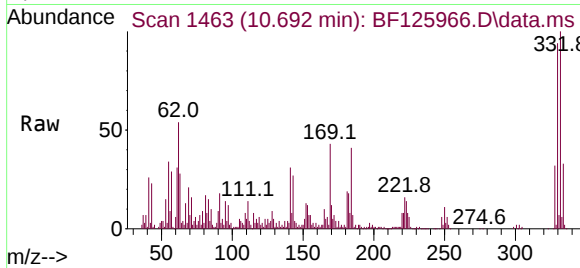




#42
2,4,6-Tribromophenol
Concen: 148.731 ng
RT: 10.692 min Scan# 1463
Delta R.T. 0.000 min
Lab File: BF125966.D
Acq: 27 Oct 2021 16:35

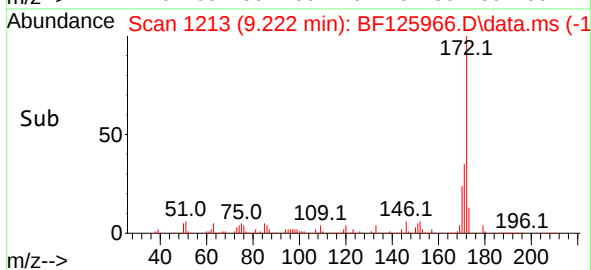
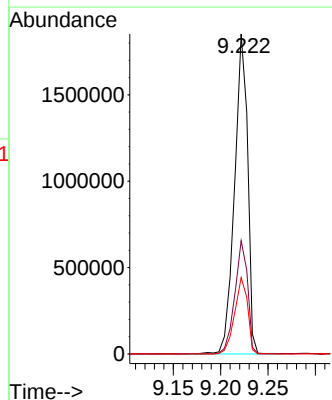
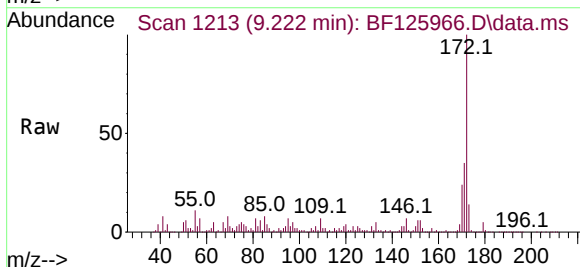
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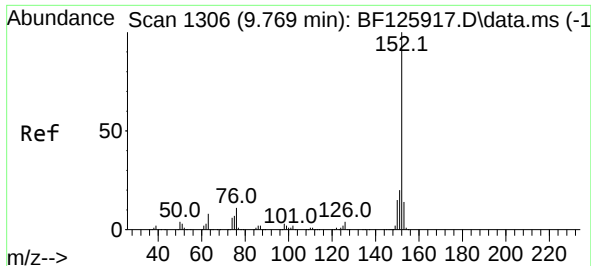
Tgt Ion:330 Resp: 390155
Ion Ratio Lower Upper
330 100
332 104.2 76.2 114.4
141 41.3 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 104.647 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF125966.D
Acq: 27 Oct 2021 16:35

Tgt Ion:172 Resp: 1780694
Ion Ratio Lower Upper
172 100
171 35.4 26.5 39.7
170 23.8 18.8 28.2





#49

Acenaphthylene

Concen: 2.032 ng

RT: 9.757 min Scan# 1304

Delta R.T. -0.012 min

Lab File: BF125966.D

Acq: 27 Oct 2021 16:35

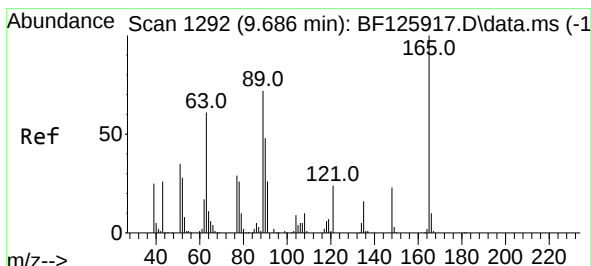
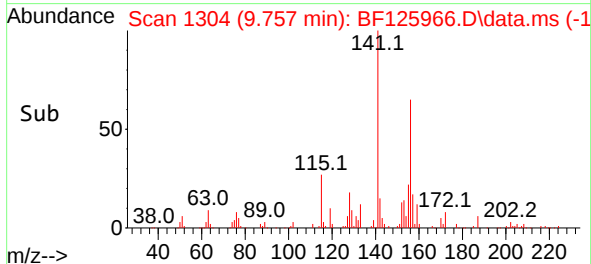
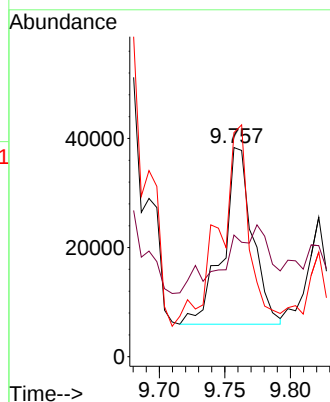
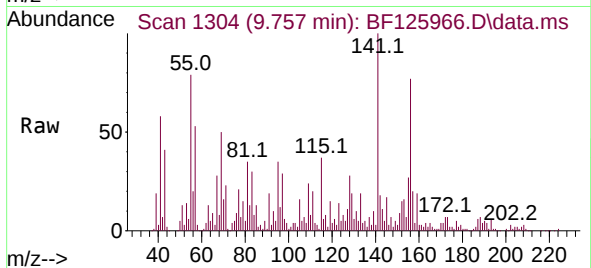
Instrument :

BNA_F

ClientSampleId :

SB-5

Tgt Ion:	152	Resp:	51014
Ion Ratio	Lower	Upper	
152	100		
151	58.2	15.7	23.5#
153	107.1	9.8	14.8#



#51

2,6-Dinitrotoluene

Concen: 3.208 ng

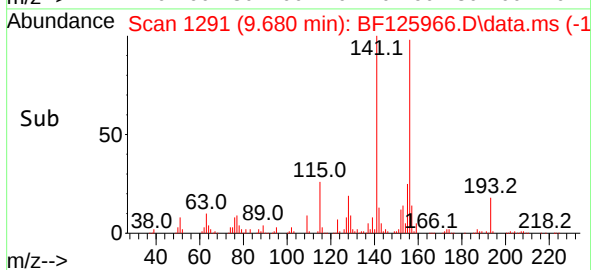
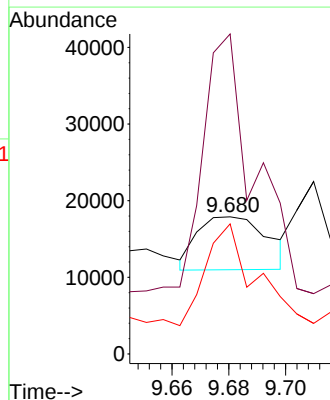
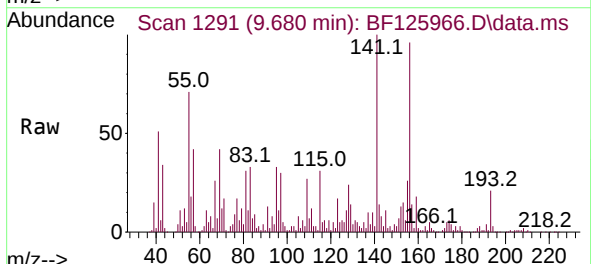
RT: 9.680 min Scan# 1291

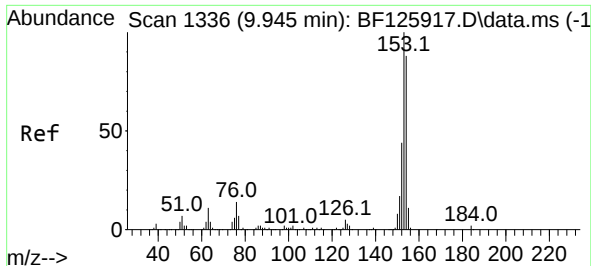
Delta R.T. -0.006 min

Lab File: BF125966.D

Acq: 27 Oct 2021 16:35

Tgt Ion:	165	Resp:	11793
Ion Ratio	Lower	Upper	
165	100		
63	233.3	42.6	63.8#
89	94.8	40.6	60.8#

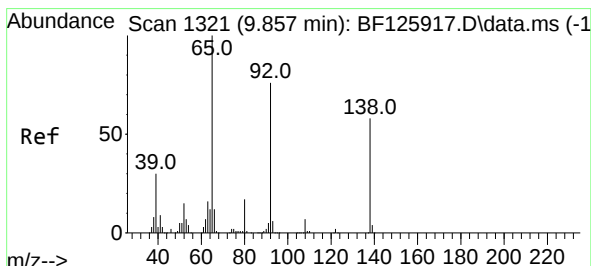
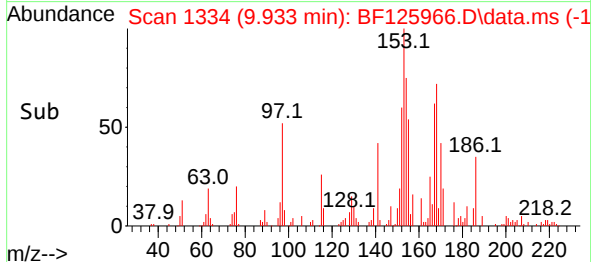
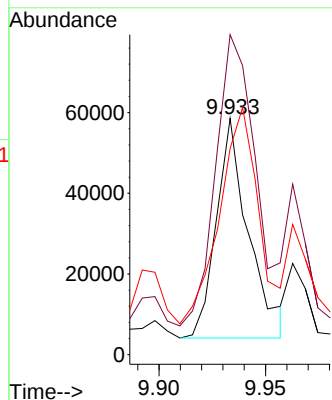
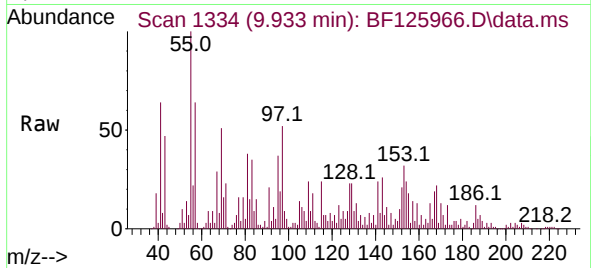




#52
Acenaphthene
Concen: 3.499 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF125966.D
Acq: 27 Oct 2021 16:35

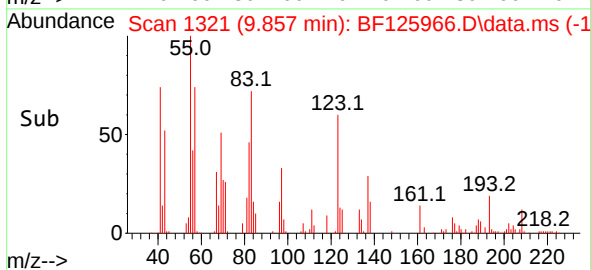
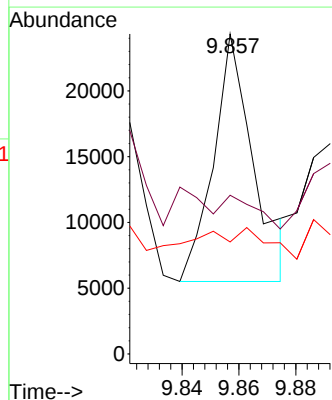
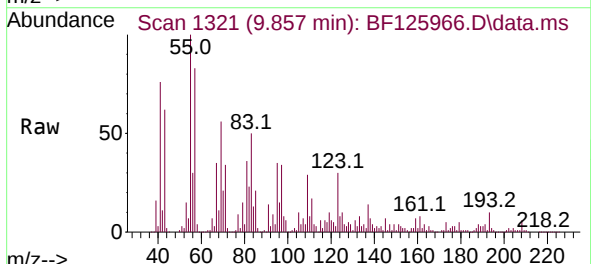
Instrument :
BNA_F
ClientSampleId :
SB-5

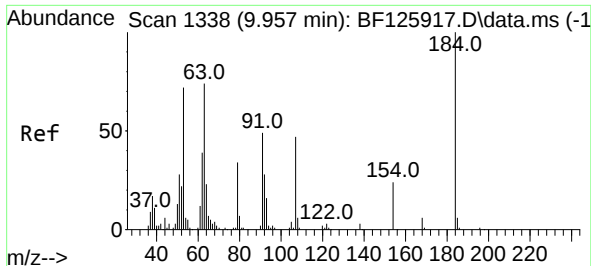
Tgt Ion:154 Resp: 57074
Ion Ratio Lower Upper
154 100
153 135.4 89.4 134.2#
152 87.3 40.5 60.7#



#53
3-Nitroaniline
Concen: 4.362 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF125966.D
Acq: 27 Oct 2021 16:35

Tgt Ion:138 Resp: 18384
Ion Ratio Lower Upper
138 100
108 49.6 9.3 13.9#
92 35.0 76.5 114.7#

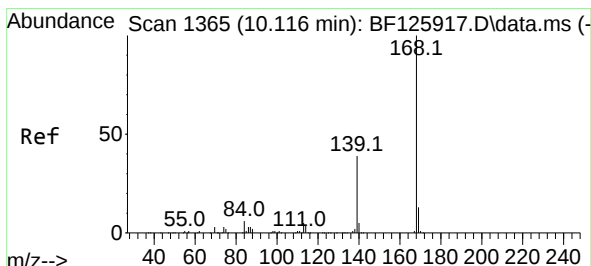
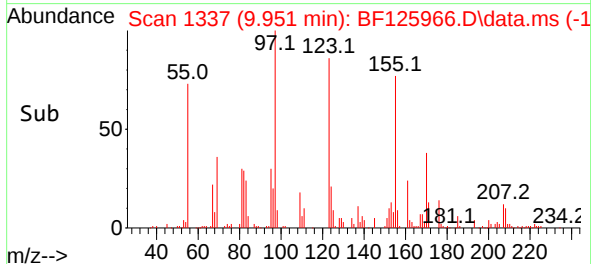
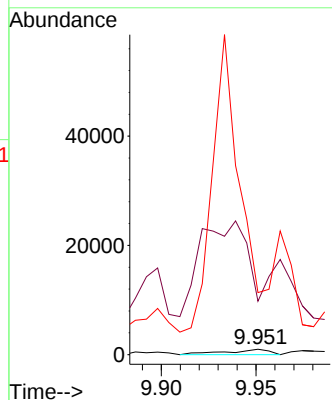
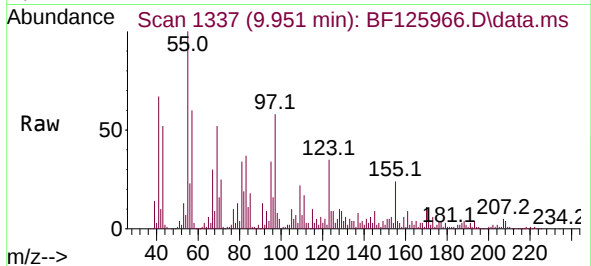




#54
2,4-Dinitrophenol
Concen: 8.043 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF125966.D
Acq: 27 Oct 2021 16:35

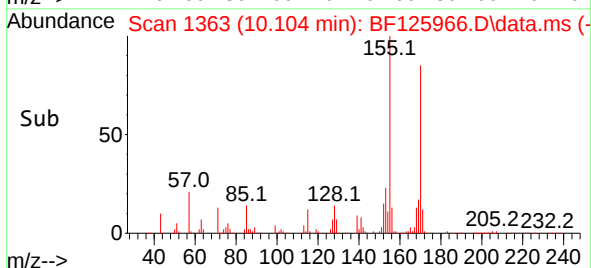
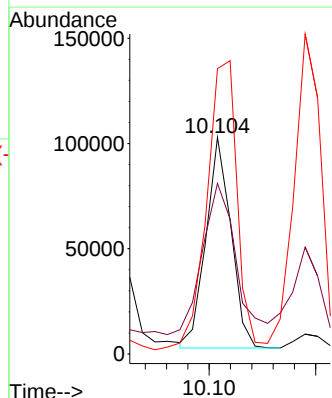
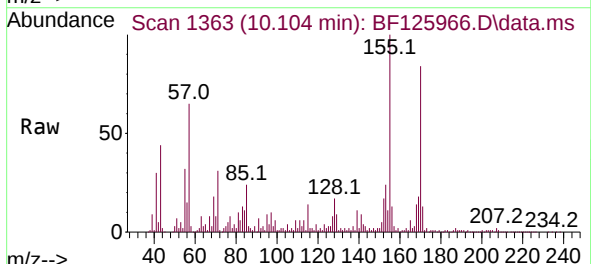
Instrument :
BNA_F
ClientSampled :
SB-5

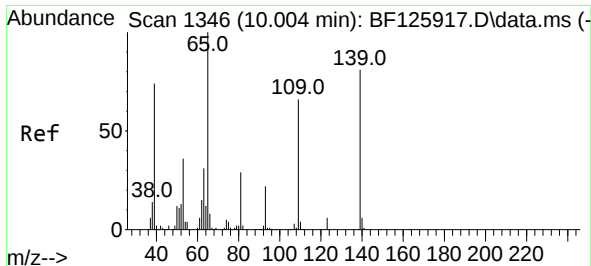
Tgt Ion:184 Resp: 1560
Ion Ratio Lower Upper
184 100
63 967.6 59.3 88.9#
154 1123.7 68.6 102.8#



#55
Dibenzofuran
Concen: 3.350 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.012 min
Lab File: BF125966.D
Acq: 27 Oct 2021 16:35

Tgt Ion:168 Resp: 81624
Ion Ratio Lower Upper
168 100
139 78.7 32.7 49.1#
169 131.7 11.2 16.8#

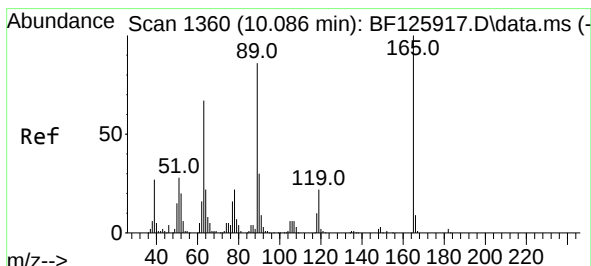
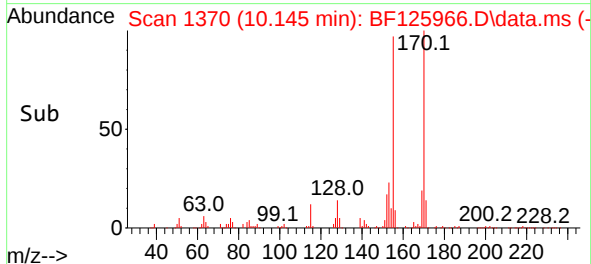
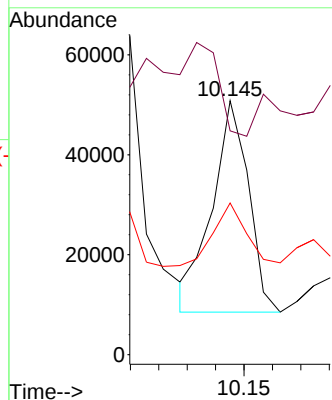
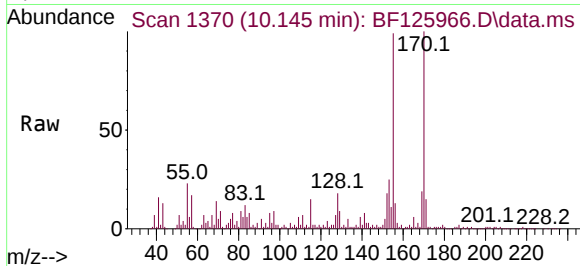




#56
4-Nitrophenol
Concen: 11.470 ng
RT: 10.145 min Scan# 1370
Delta R.T. 0.141 min
Lab File: BF125966.D
Acq: 27 Oct 2021 16:35

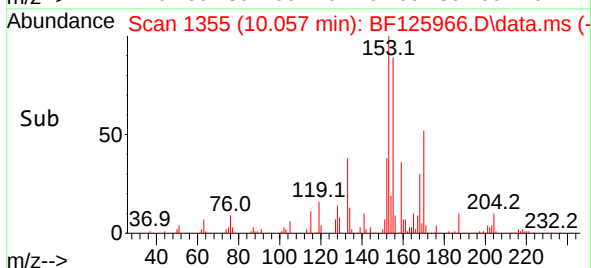
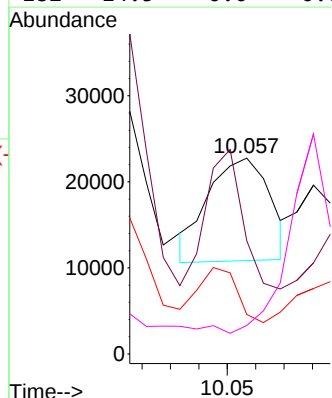
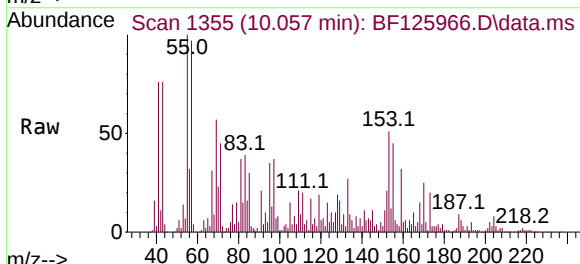
Instrument :
BNA_F
ClientSampled :
SB-5

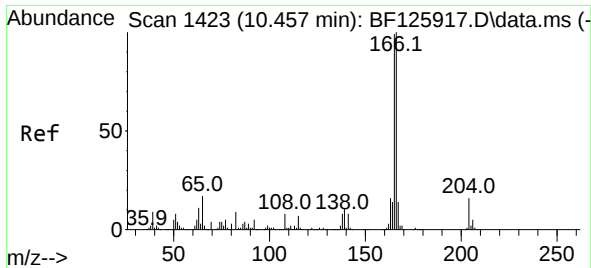
Tgt Ion:	139	Resp:	37567
Ion	Ratio	Lower	Upper
139	100		
109	88.2	60.4	100.4
65	59.7	58.4	98.4



#57
2,4-Dinitrotoluene
Concen: 3.993 ng
RT: 10.057 min Scan# 1355
Delta R.T. -0.029 min
Lab File: BF125966.D
Acq: 27 Oct 2021 16:35

Tgt Ion:	165	Resp:	18032
Ion	Ratio	Lower	Upper
165	100		
63	57.9	40.9	61.3
89	20.2	59.7	89.5#
182	14.5	0.0	0.0#

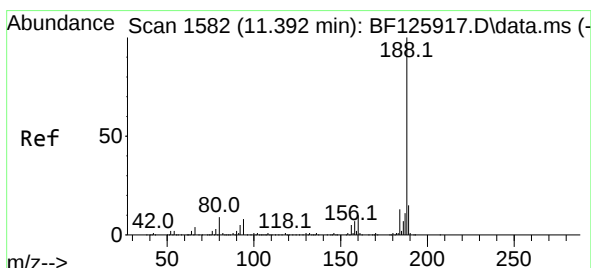
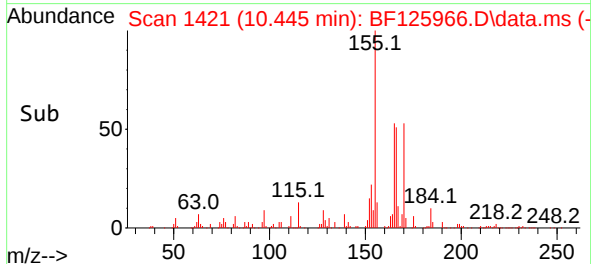
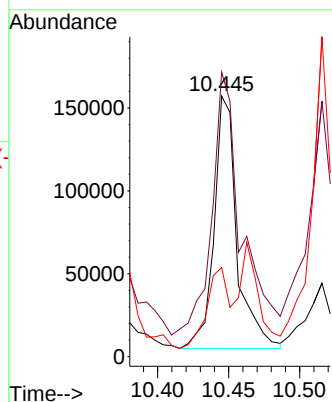
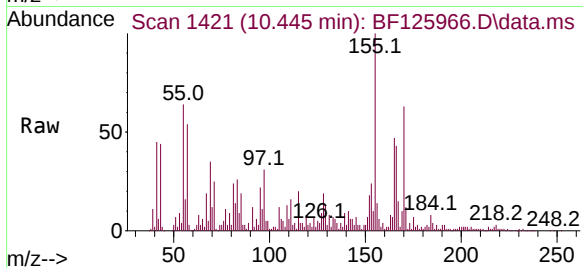




#58
Fluorene
Concen: 7.363 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.012 min
Lab File: BF125966.D
Acq: 27 Oct 2021 16:35

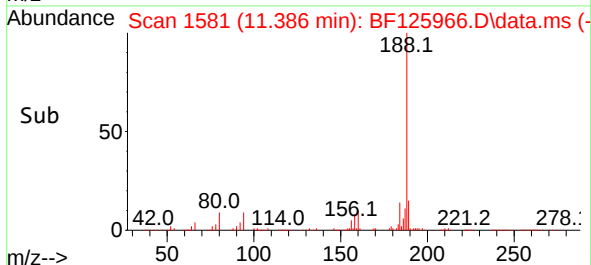
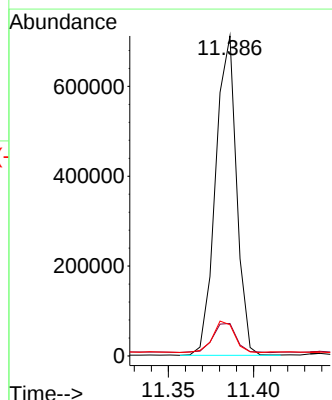
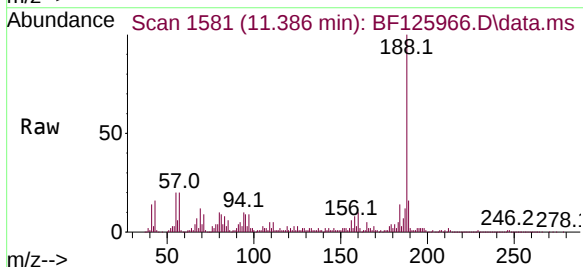
Instrument :
BNA_F
ClientSampled :
SB-5

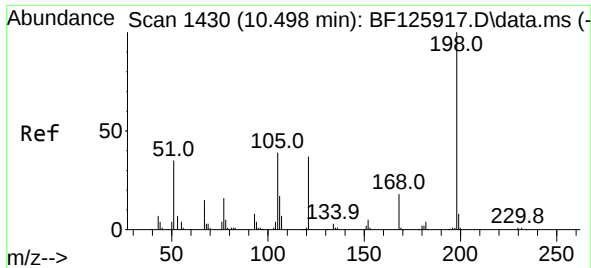
Tgt Ion:166 Resp: 170899
Ion Ratio Lower Upper
166 100
165 109.2 78.1 117.1
167 34.2 11.1 16.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF125966.D
Acq: 27 Oct 2021 16:35

Tgt Ion:188 Resp: 608995
Ion Ratio Lower Upper
188 100
94 10.2 6.7 10.1#
80 9.7 7.5 11.3

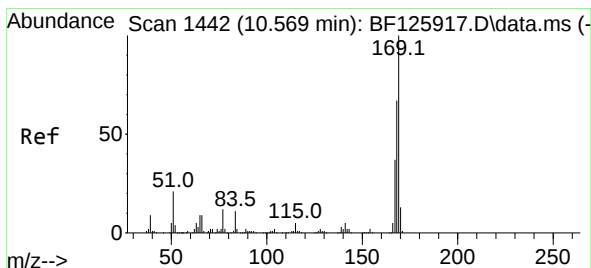
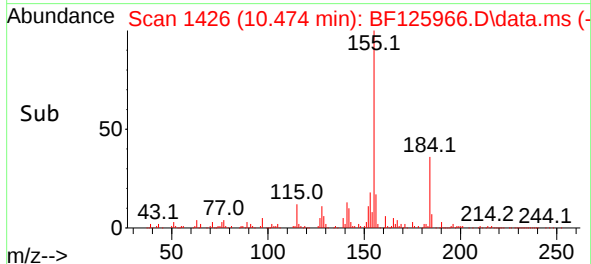
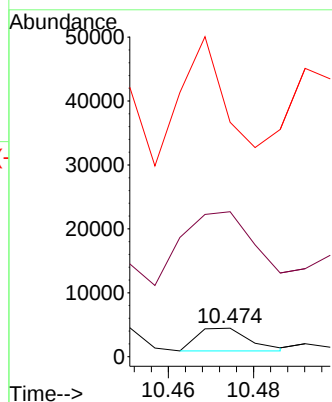
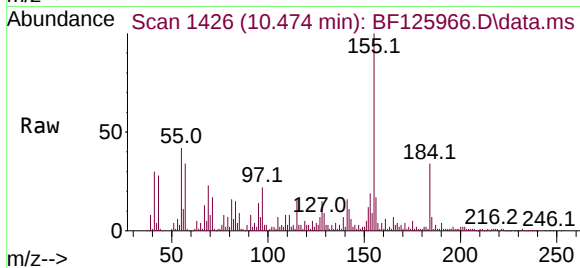




#65
4,6-Dinitro-2-methylphenol
Concen: 7.067 ng
RT: 10.474 min Scan# 1426
Delta R.T. -0.024 min
Lab File: BF125966.D
Acq: 27 Oct 2021 16:35

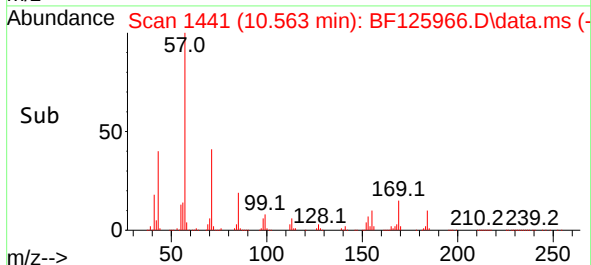
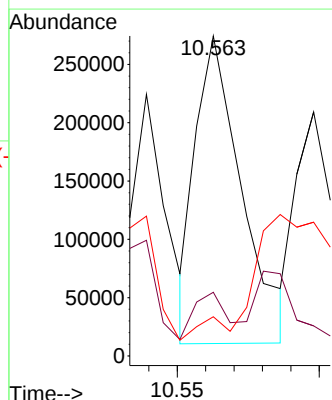
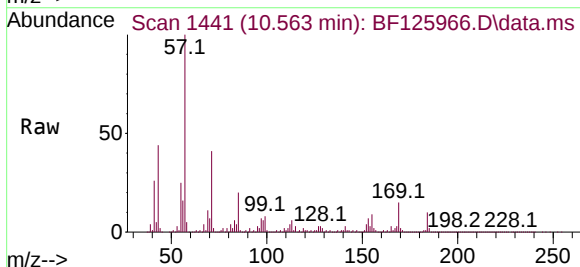
Instrument :
BNA_F
ClientSampled :
SB-5

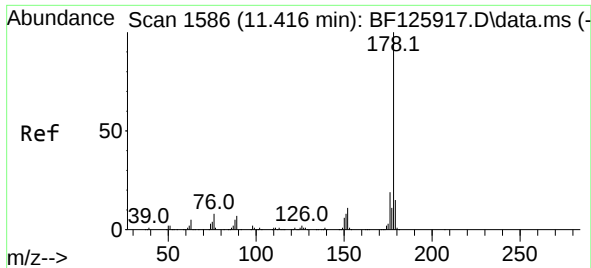
Tgt Ion:198 Resp: 3067
Ion Ratio Lower Upper
198 100
51 508.1 45.3 85.3#
105 821.9 30.6 70.6#



#66
n-Nitrosodiphenylamine
Concen: 16.302 ng
RT: 10.563 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF125966.D
Acq: 27 Oct 2021 16:35

Tgt Ion:169 Resp: 297362
Ion Ratio Lower Upper
169 100
168 19.9 50.8 76.2#
167 12.3 28.8 43.2#

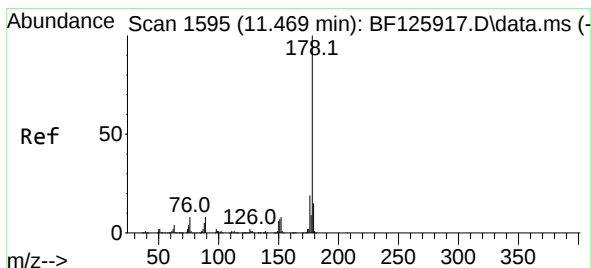
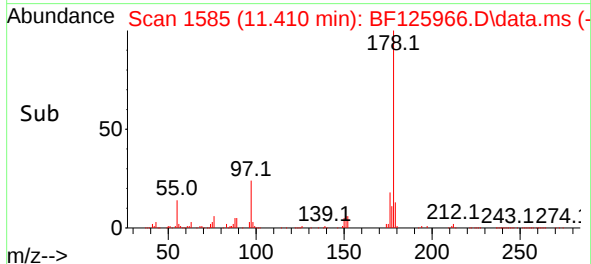
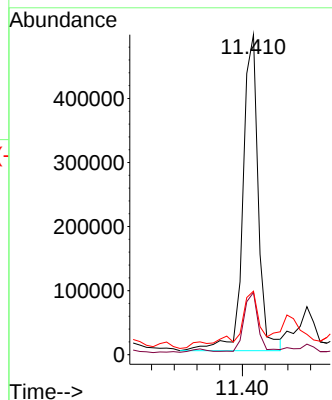
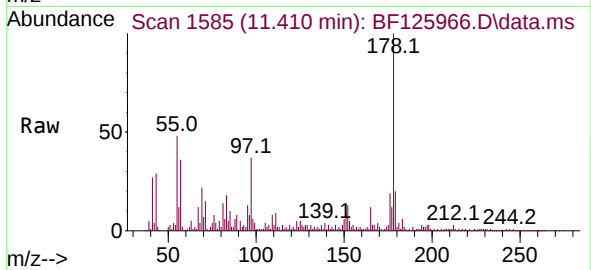




#71
Phenanthrene
Concen: 14.672 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF125966.D
Acq: 27 Oct 2021 16:35

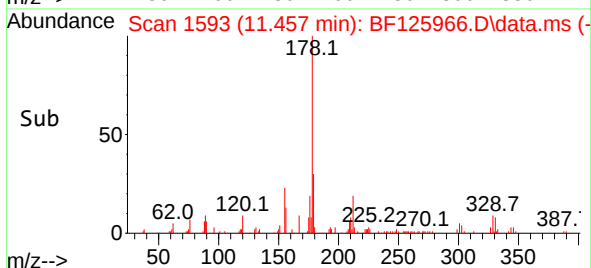
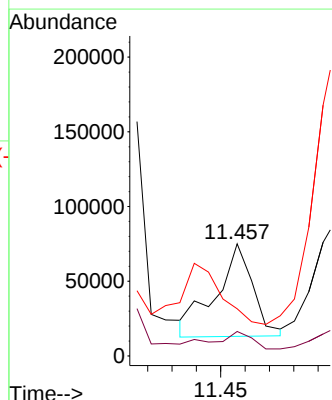
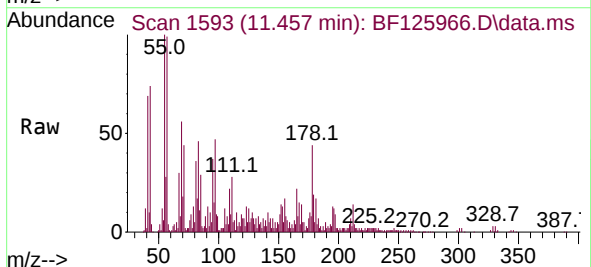
Instrument :
BNA_F
ClientSampled :
SB-5

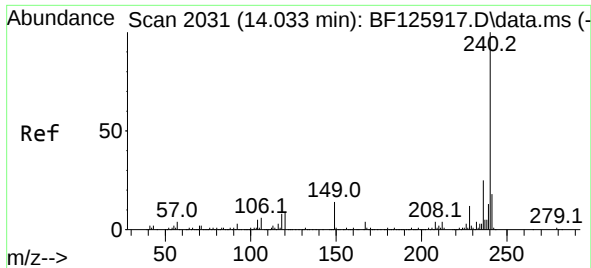
Tgt Ion:178 Resp: 463620
Ion Ratio Lower Upper
178 100
176 19.4 14.7 22.1
179 19.8 11.5 17.3#



#72
Anthracene
Concen: 2.079 ng
RT: 11.457 min Scan# 1593
Delta R.T. -0.012 min
Lab File: BF125966.D
Acq: 27 Oct 2021 16:35

Tgt Ion:178 Resp: 65604
Ion Ratio Lower Upper
178 100
176 21.9 14.3 21.5#
179 42.1 12.2 18.4#

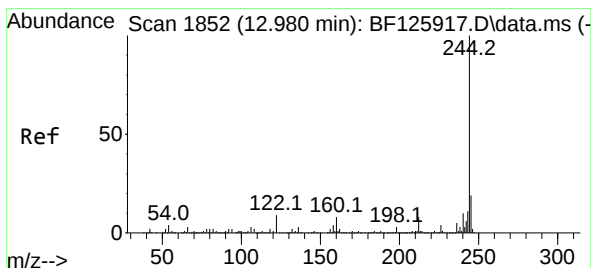
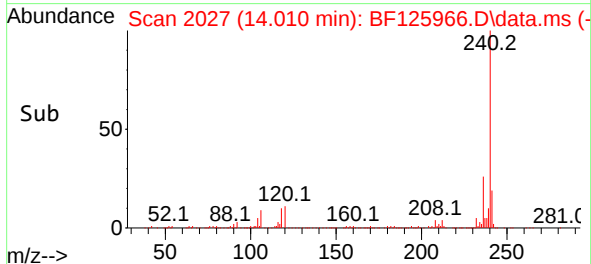
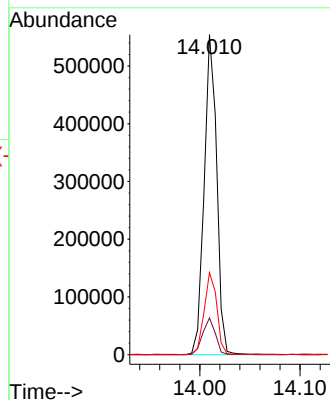
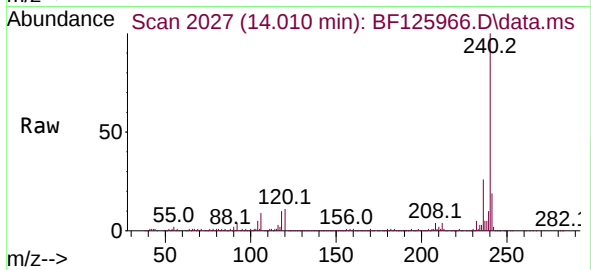




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.024 min
Lab File: BF125966.D
Acq: 27 Oct 2021 16:35

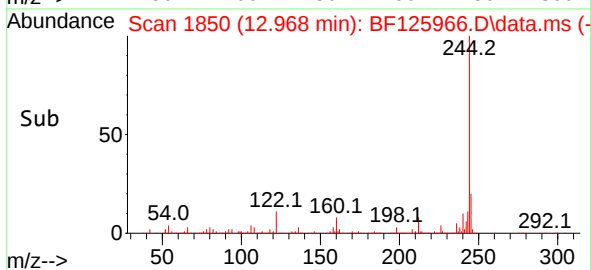
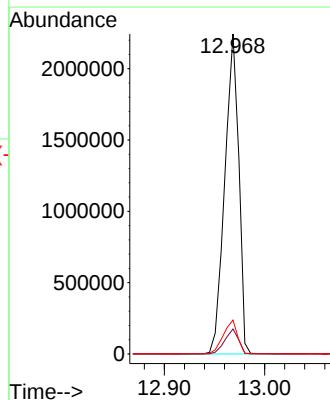
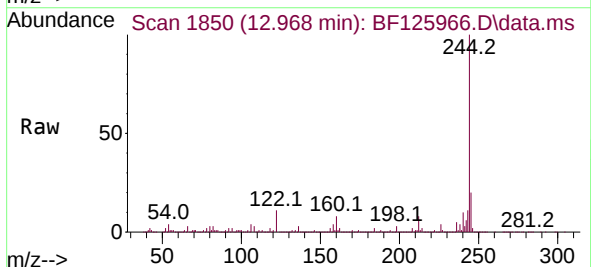
Instrument :
BNA_F
ClientSampleId :
SB-5

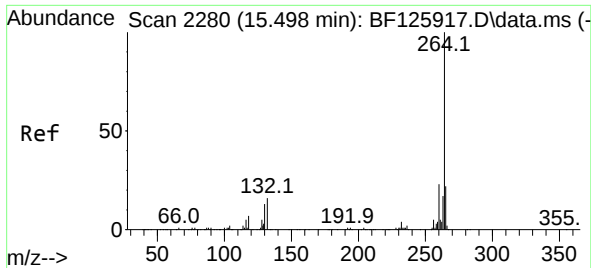
Tgt Ion:240 Resp: 484339
Ion Ratio Lower Upper
240 100
120 11.5 10.8 16.2
236 25.7 21.6 32.4



#79
Terphenyl-d14
Concen: 73.217 ng
RT: 12.968 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BF125966.D
Acq: 27 Oct 2021 16:35

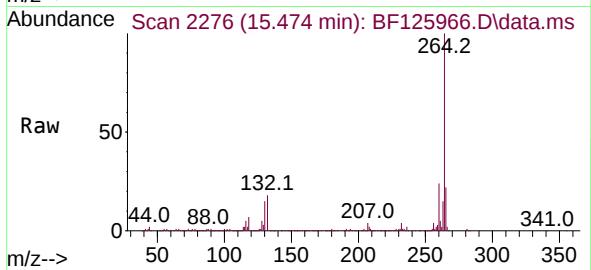
Tgt Ion:244 Resp: 2167956
Ion Ratio Lower Upper
244 100
212 7.8 5.9 8.9
122 10.6 9.0 13.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 2276
Delta R.T. -0.024 min
Lab File: BF125966.D
Acq: 27 Oct 2021 16:35

Instrument :
BNA_F
ClientSampleId :
SB-5



Tgt Ion:264 Resp: 438916

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.6	29.4
265	21.7	17.2	25.8

