

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
 Data File : BF125987.D
 Acq On : 28 Oct 2021 14:12
 Operator : JU/CG
 Sample : M4372-03 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2

Quant Time: Oct 28 15:22:40 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)

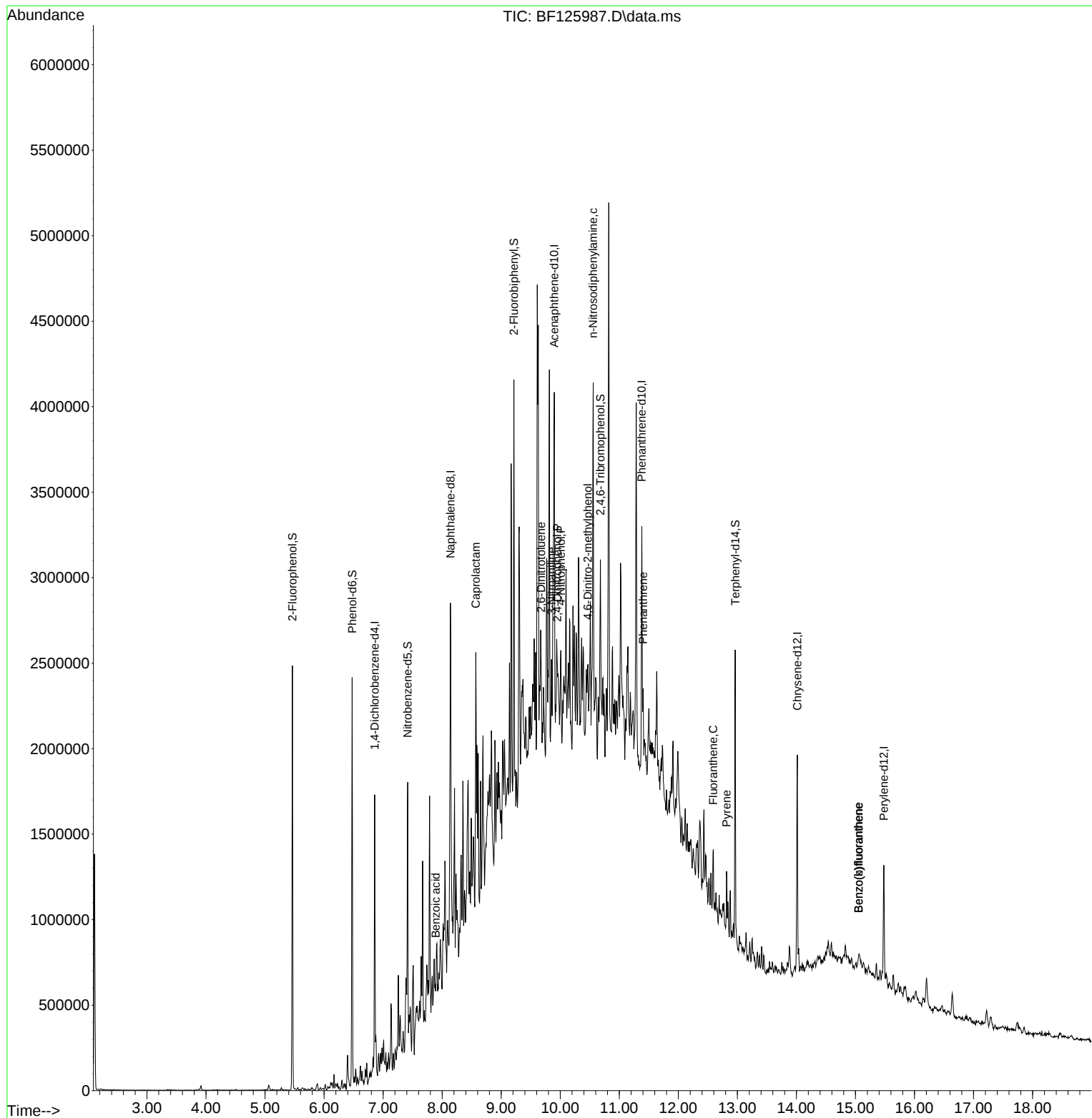
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	187423	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	694421	20.000	ng	# 0.00
39) Acenaphthene-d10	9.898	164	328939	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	526732	20.000	ng	# 0.00
76) Chrysene-d12	14.015	240	423300	20.000	ng	0.00
86) Perylene-d12	15.480	264	309999	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	549056	43.636	ng	-0.01
7) Phenol-d6	6.475	99	678926	39.339	ng	-0.01
23) Nitrobenzene-d5	7.416	82	425455	31.647	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	110768	38.629	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	610140	32.802	ng	0.00
79) Terphenyl-d14	12.963	244	527888	20.399	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	7.892	122	738	4.263	ng	# 1
35) Caprolactam	8.569	113	27448	8.559	ng	# 1
51) 2,6-Dinitrotoluene	9.674	165	9761	2.429	ng	# 77
53) 3-Nitroaniline	9.851	138	10865	2.358	ng	# 32
54) 2,4-Dinitrophenol	9.951	184	343	7.307	ng	# 1
56) 4-Nitrophenol	10.010	139	7580	2.117	ng	# 1
58) Fluorene	10.439	166	42977	Below Cal		# 81
65) 4,6-Dinitro-2-methylph...	10.469	198	1773	6.735	ng	# 1
66) n-Nitrosodiphenylamine	10.557	169	104750	6.639	ng	# 51
71) Phenanthrene	11.404	178	157825	5.774	ng	# 90
75) Fluoranthene	12.592	202	128813	4.675	ng	94
78) Pyrene	12.815	202	163667	4.155	ng	96
88) Benzo(b)fluoranthene	15.051	252	53536	2.616	ng	# 66
89) Benzo(k)fluoranthene	15.051	252	53536	2.724	ng	# 65

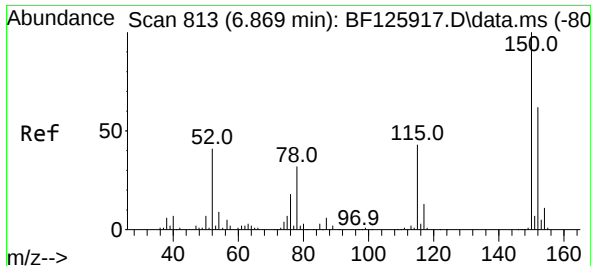
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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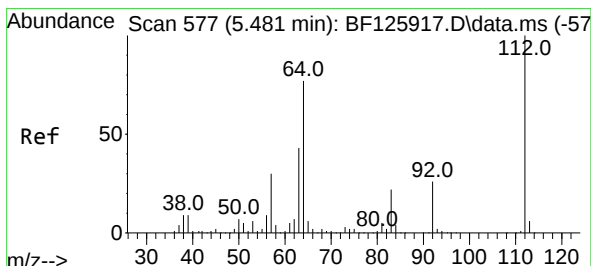
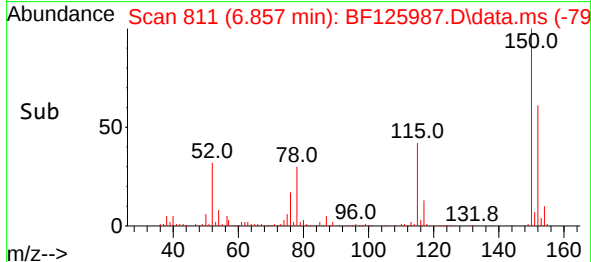
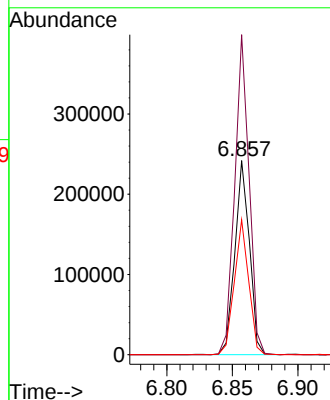
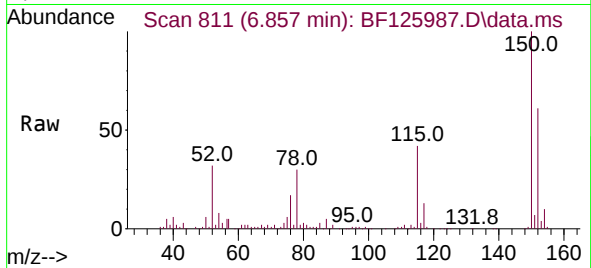




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF125987.D
Acq: 28 Oct 2021 14:12

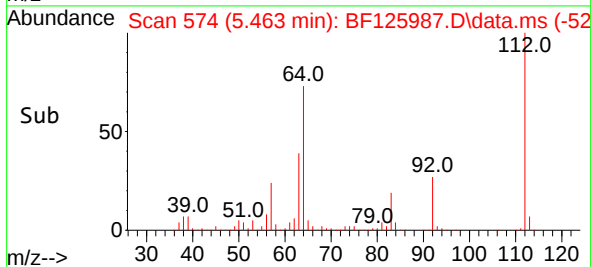
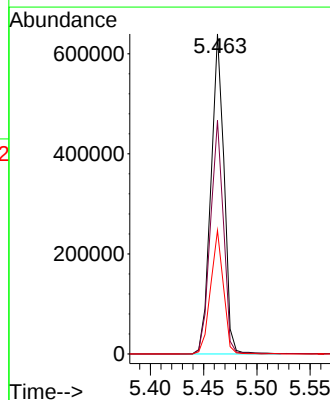
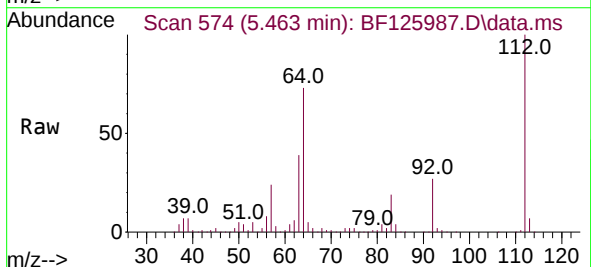
Instrument :
BNA_F
ClientSampleId :
SB-2

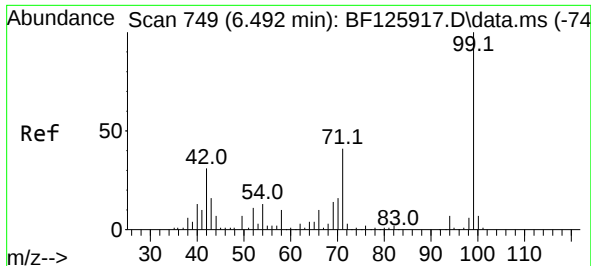
Tgt Ion:152 Resp: 187423
Ion Ratio Lower Upper
152 100
150 164.9 117.6 176.4
115 69.5 47.1 70.7



#5
2-Fluorophenol
Concen: 43.636 ng
RT: 5.463 min Scan# 574
Delta R.T. -0.012 min
Lab File: BF125987.D
Acq: 28 Oct 2021 14:12

Tgt Ion:112 Resp: 549056
Ion Ratio Lower Upper
112 100
64 72.9 44.2 66.2#
63 38.6 26.2 39.2

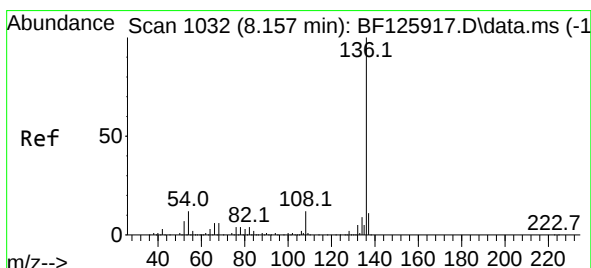
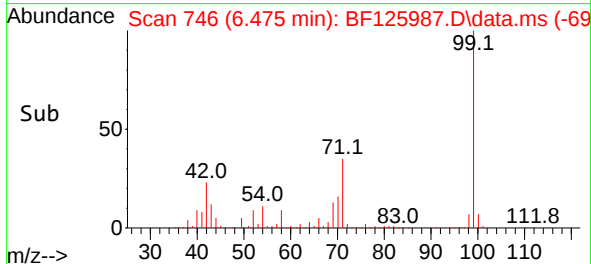
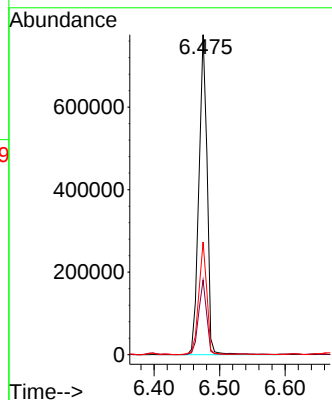
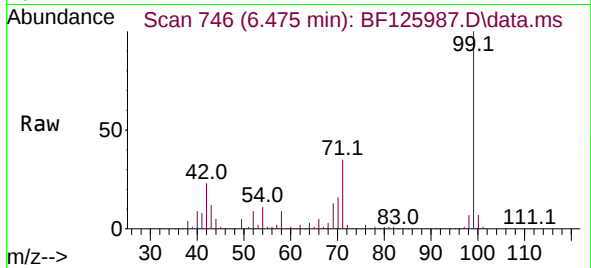




#7
Phenol-d6
Concen: 39.339 ng
RT: 6.475 min Scan# 746
Delta R.T. -0.012 min
Lab File: BF125987.D
Acq: 28 Oct 2021 14:12

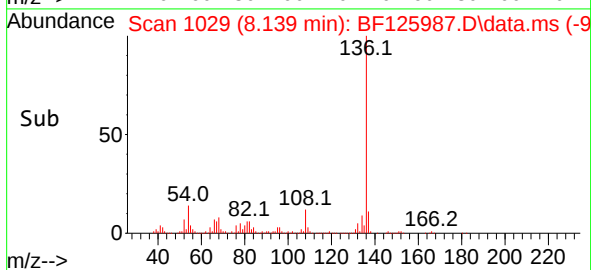
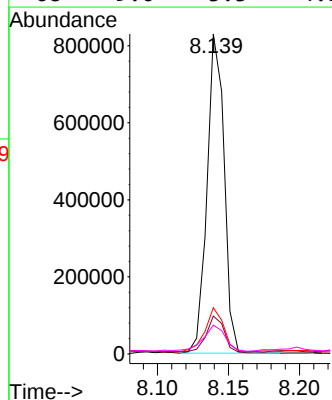
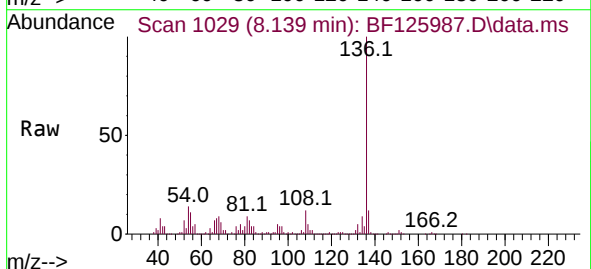
Instrument :
BNA_F
ClientSampleId :
SB-2

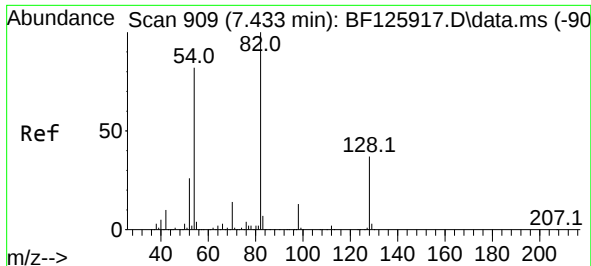
Tgt Ion: 99 Resp: 678926
Ion Ratio Lower Upper
99 100
42 23.3 23.5 35.3#
71 35.2 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF125987.D
Acq: 28 Oct 2021 14:12

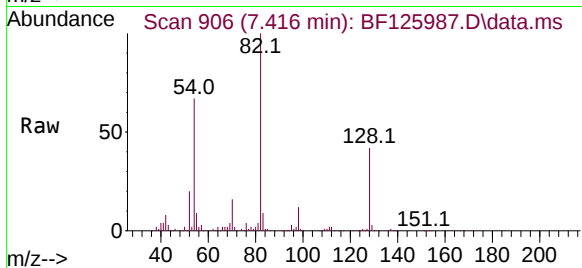
Tgt Ion: 136 Resp: 694421
Ion Ratio Lower Upper
136 100
137 11.9 9.8 14.6
54 14.5 6.4 9.6#
68 9.0 3.3 4.9#



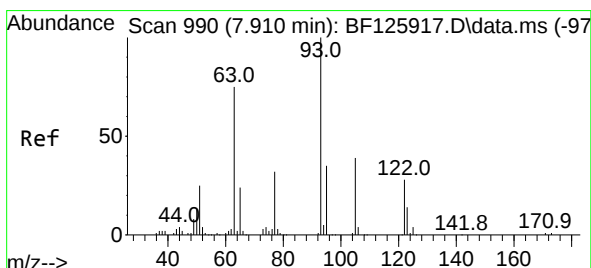
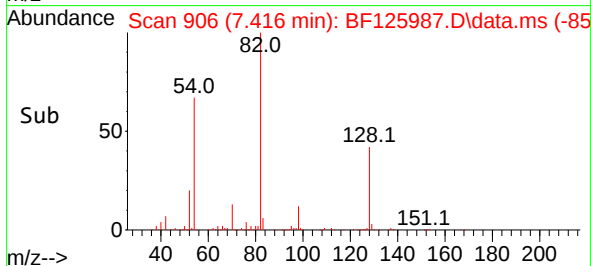
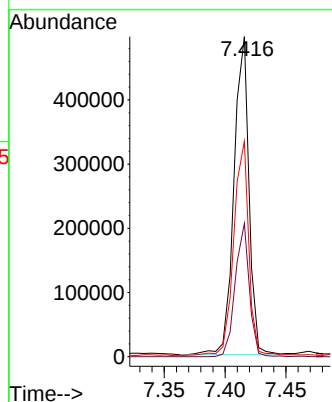


#23
Nitrobenzene-d5
Concen: 31.647 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF125987.D
Acq: 28 Oct 2021 14:12

Instrument :
BNA_F
ClientSampleId :
SB-2

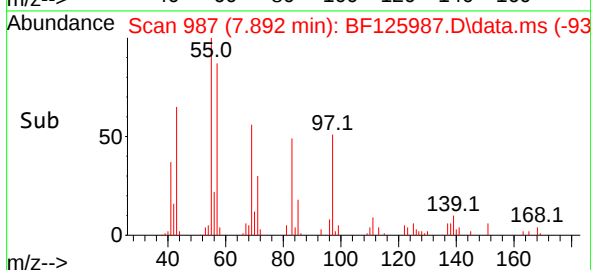
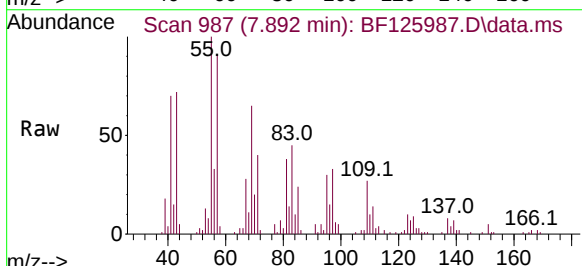
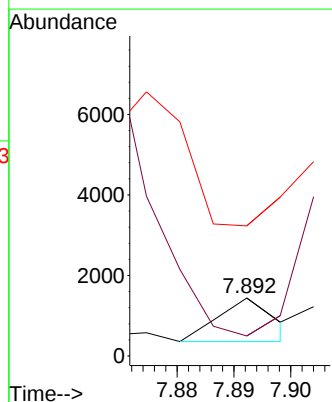


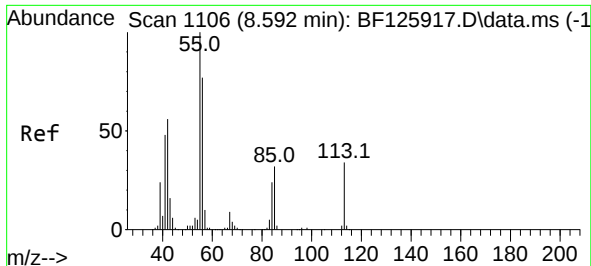
Tgt Ion: 82 Resp: 425455
Ion Ratio Lower Upper
82 100
128 41.6 40.6 60.8
54 67.3 49.6 74.4



#32
Benzoic acid
Concen: 4.263 ng
RT: 7.892 min Scan# 987
Delta R.T. -0.018 min
Lab File: BF125987.D
Acq: 28 Oct 2021 14:12

Tgt Ion: 122 Resp: 738
Ion Ratio Lower Upper
122 100
105 34.5 97.6 137.6#
77 224.6 59.6 99.6#

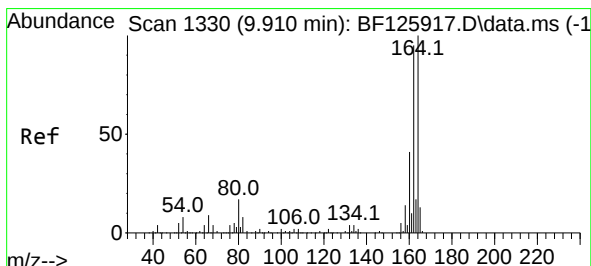
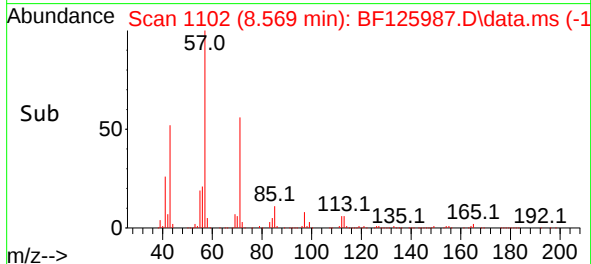
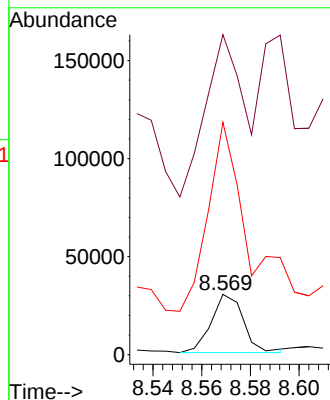
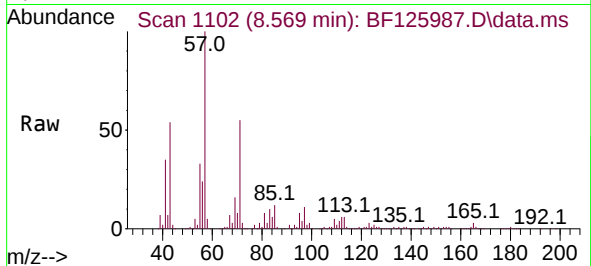




#35
 Caprolactam
 Concen: 8.559 ng
 RT: 8.569 min Scan# 1102
 Delta R.T. -0.018 min
 Lab File: BF125987.D
 Acq: 28 Oct 2021 14:12

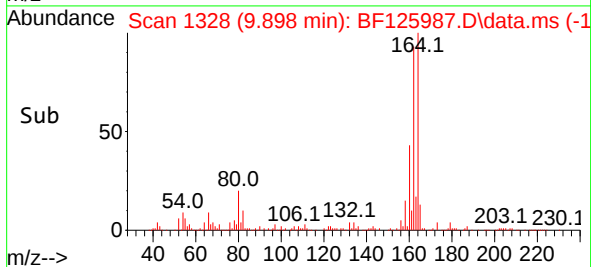
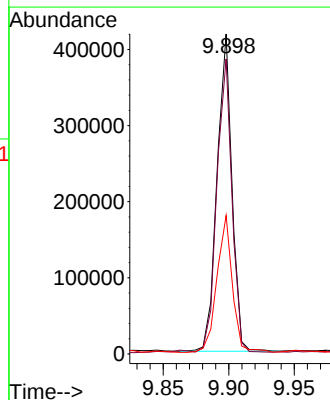
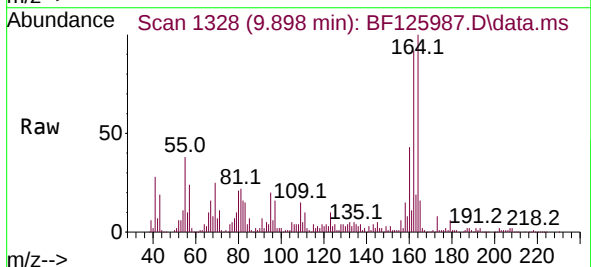
Instrument :
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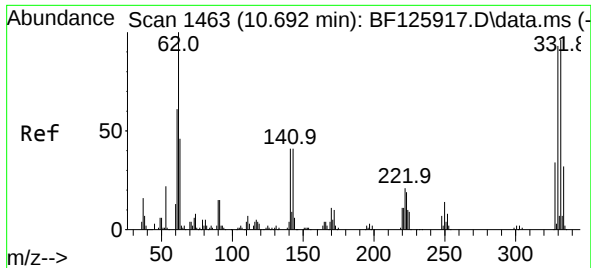
Tgt Ion:113 Resp: 27448
 Ion Ratio Lower Upper
 113 100
 55 530.7 154.1 194.1#
 56 385.3 108.7 148.7#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.898 min Scan# 1328
 Delta R.T. -0.000 min
 Lab File: BF125987.D
 Acq: 28 Oct 2021 14:12

Tgt Ion:164 Resp: 328939
 Ion Ratio Lower Upper
 164 100
 162 92.2 81.3 121.9
 160 43.2 38.0 57.0

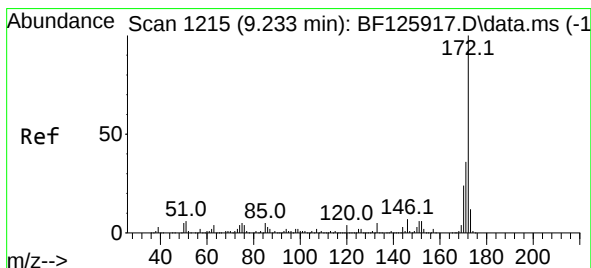
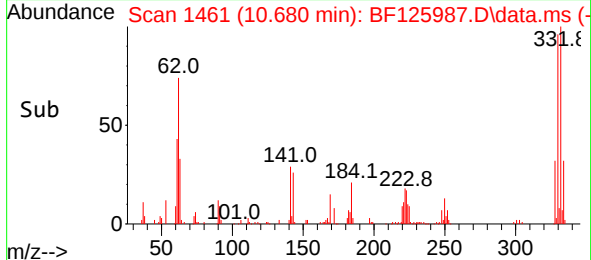
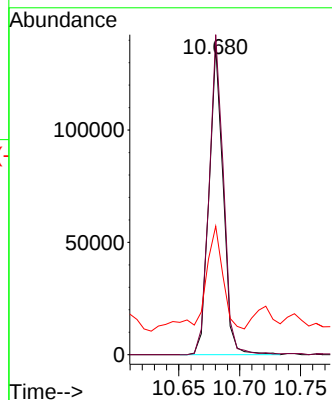
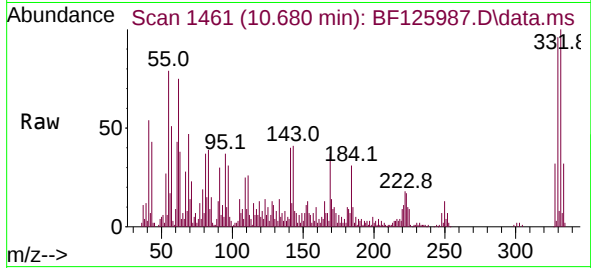




#42
2,4,6-Tribromophenol
Concen: 38.629 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF125987.D
Acq: 28 Oct 2021 14:12

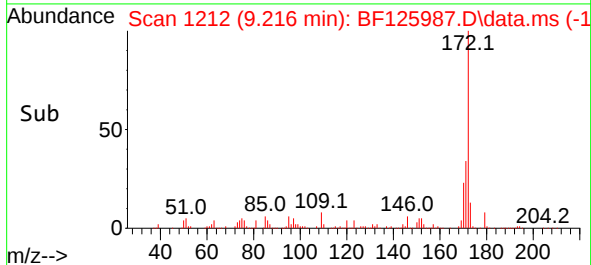
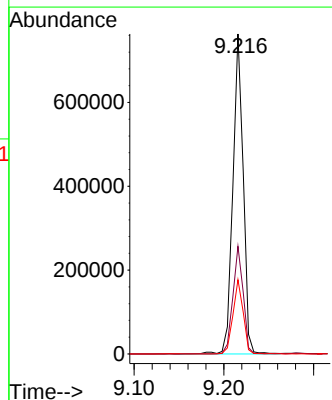
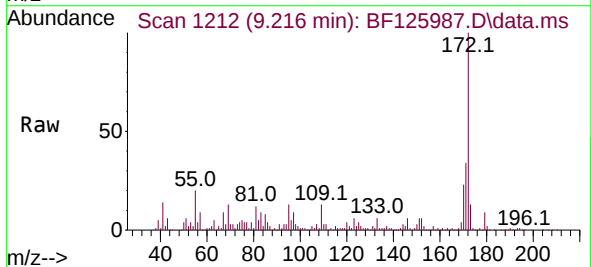
Instrument :
BNA_F
ClientSampled :
SB-2

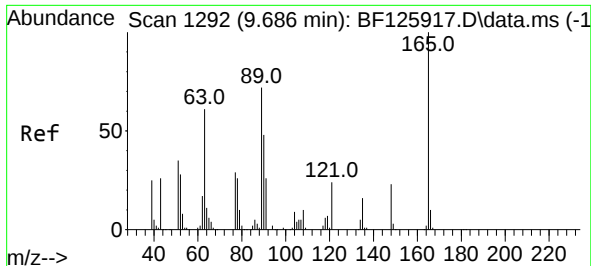
Tgt Ion:330 Resp: 110768
Ion Ratio Lower Upper
330 100
332 105.2 76.2 114.4
141 45.2 44.6 66.8



#45
2-Fluorobiphenyl
Concen: 32.802 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF125987.D
Acq: 28 Oct 2021 14:12

Tgt Ion:172 Resp: 610140
Ion Ratio Lower Upper
172 100
171 33.6 26.5 39.7
170 23.2 18.8 28.2

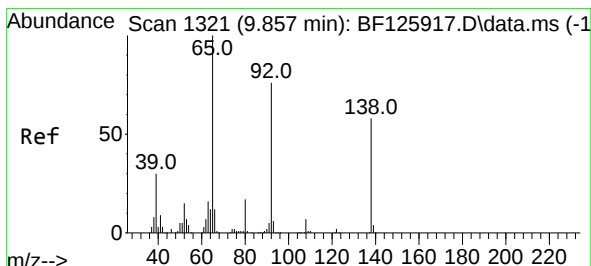
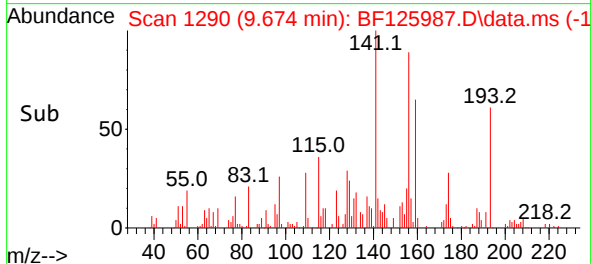
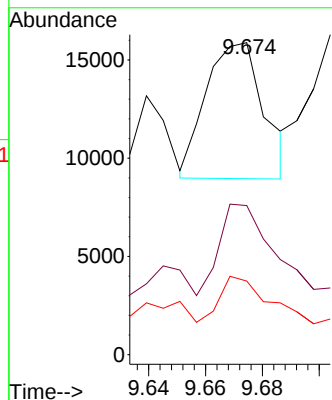
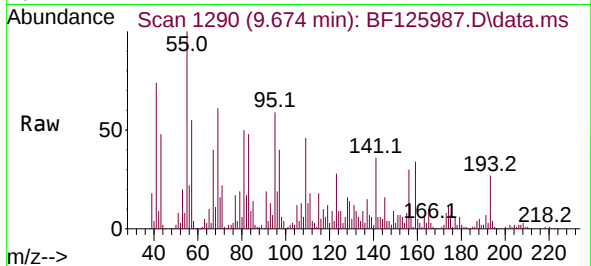




#51
2,6-Dinitrotoluene
Concen: 2.429 ng
RT: 9.674 min Scan# 1290
Delta R.T. -0.006 min
Lab File: BF125987.D
Acq: 28 Oct 2021 14:12

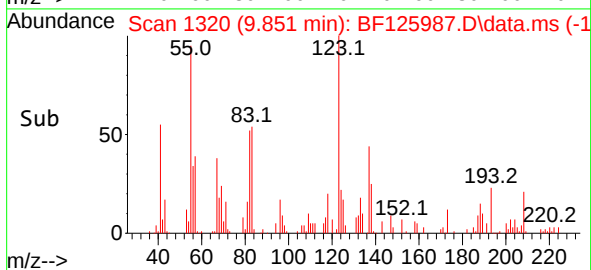
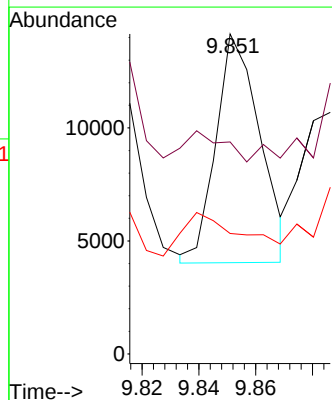
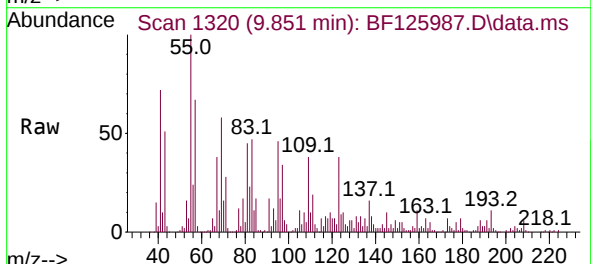
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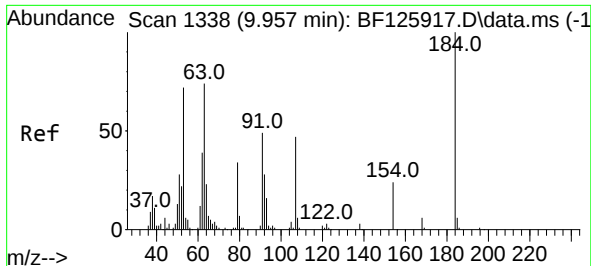
Tgt Ion:165 Resp: 9761
Ion Ratio Lower Upper
165 100
63 47.8 42.6 63.8
89 23.6 40.6 60.8#



#53
3-Nitroaniline
Concen: 2.358 ng
RT: 9.851 min Scan# 1320
Delta R.T. 0.006 min
Lab File: BF125987.D
Acq: 28 Oct 2021 14:12

Tgt Ion:138 Resp: 10865
Ion Ratio Lower Upper
138 100
108 66.2 9.3 13.9#
92 37.6 76.5 114.7#

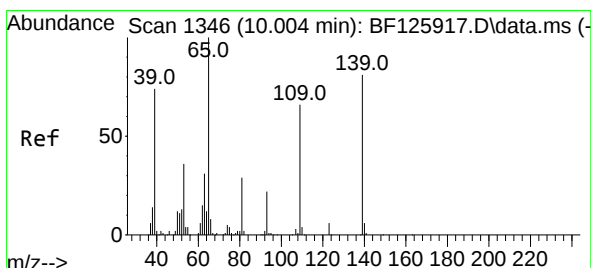
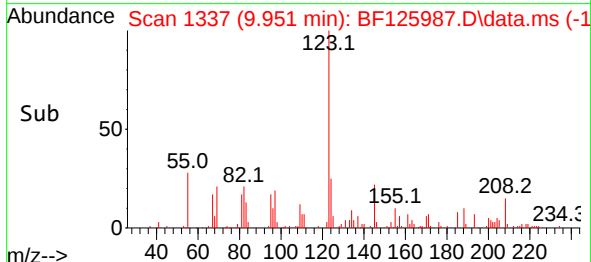
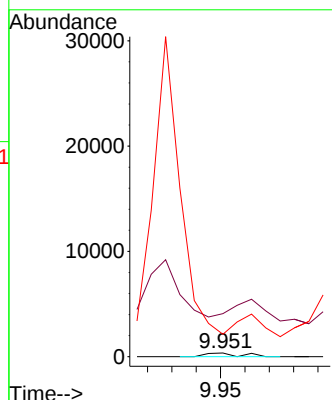
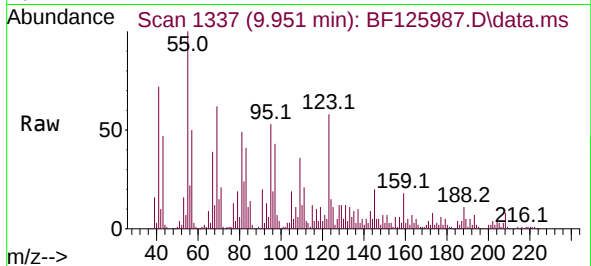




#54
2,4-Dinitrophenol
Concen: 7.307 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.000 min
Lab File: BF125987.D
Acq: 28 Oct 2021 14:12

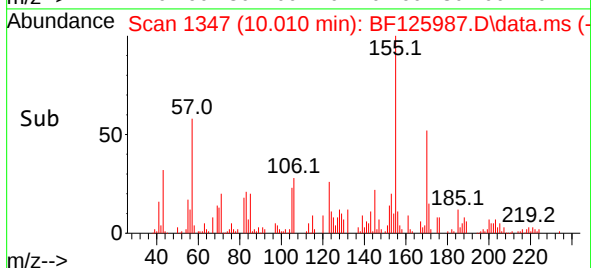
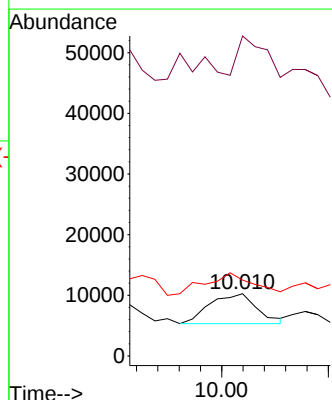
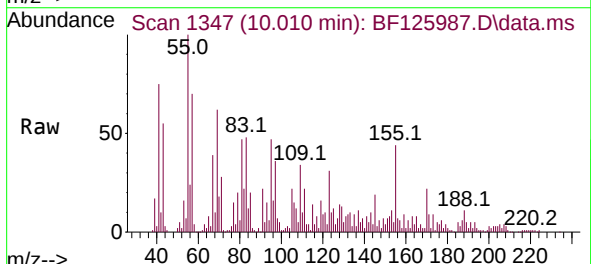
Instrument :
BNA_F
ClientSampled :
SB-2

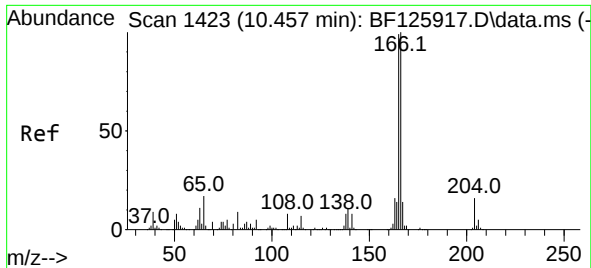
Tgt Ion:184 Resp: 343
Ion Ratio Lower Upper
184 100
63 1143.7 59.3 88.9#
154 595.8 68.6 102.8#



#56
4-Nitrophenol
Concen: 2.117 ng
RT: 10.010 min Scan# 1347
Delta R.T. 0.012 min
Lab File: BF125987.D
Acq: 28 Oct 2021 14:12

Tgt Ion:139 Resp: 7580
Ion Ratio Lower Upper
139 100
109 513.5 60.4 100.4#
65 121.6 58.4 98.4#

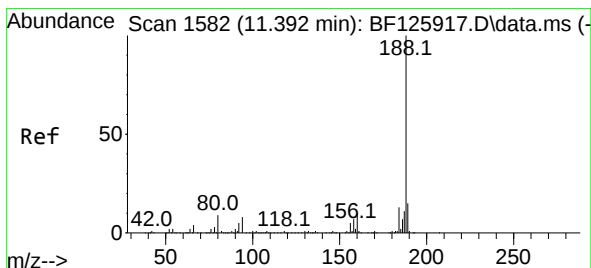
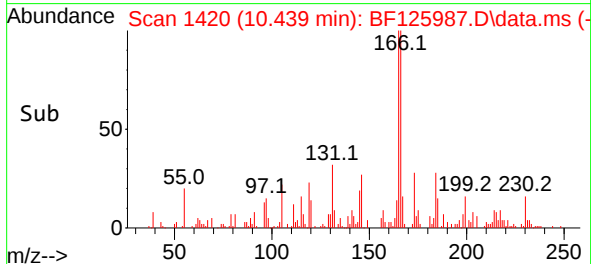
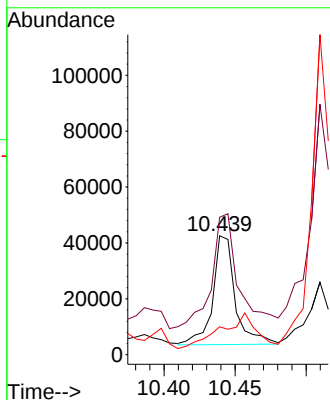
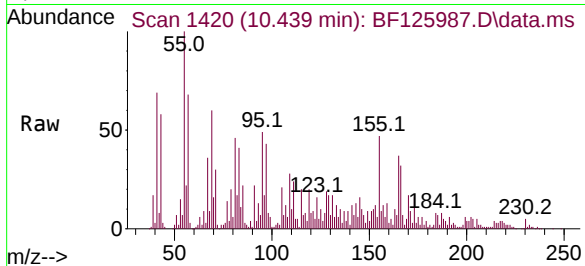




#58
Fluorene
Concen: Below Cal
RT: 10.439 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF125987.D
Acq: 28 Oct 2021 14:12

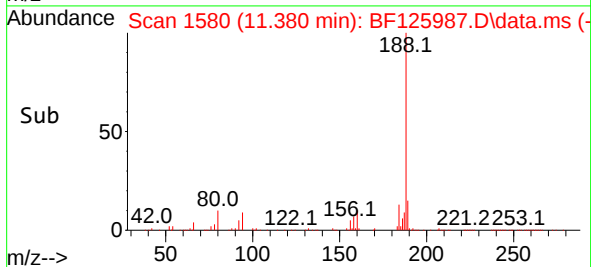
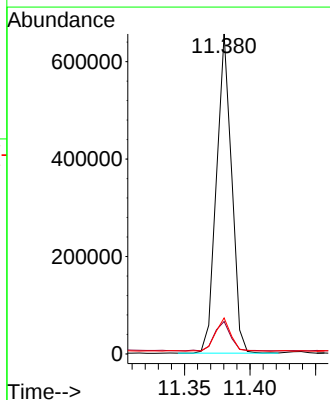
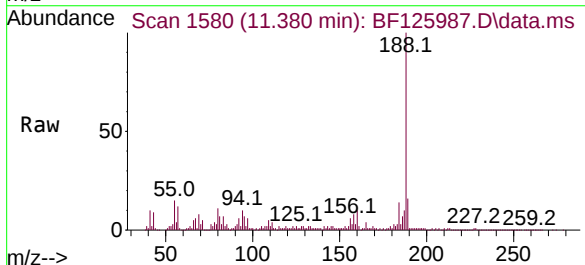
Instrument :
BNA_F
ClientSampled :
SB-2

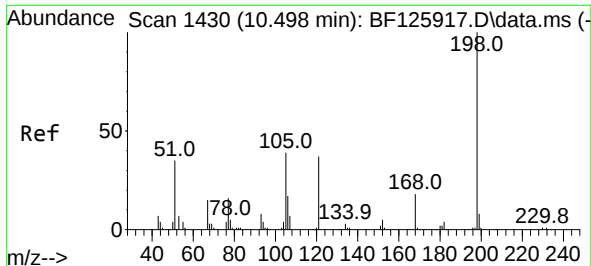
Tgt Ion:166 Resp: 42977
Ion Ratio Lower Upper
166 100
165 115.6 78.1 117.1
167 23.4 11.1 16.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF125987.D
Acq: 28 Oct 2021 14:12

Tgt Ion:188 Resp: 526732
Ion Ratio Lower Upper
188 100
94 10.2 6.7 10.1#
80 11.3 7.5 11.3

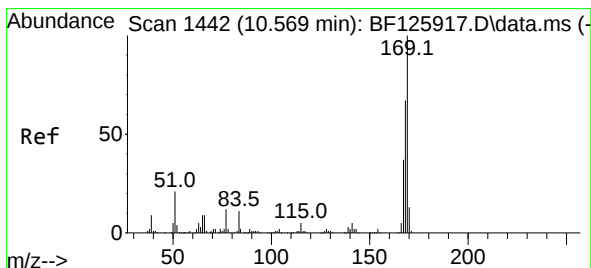
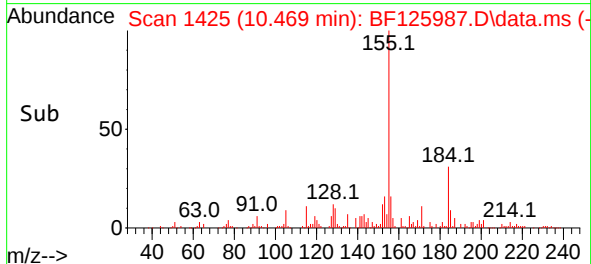
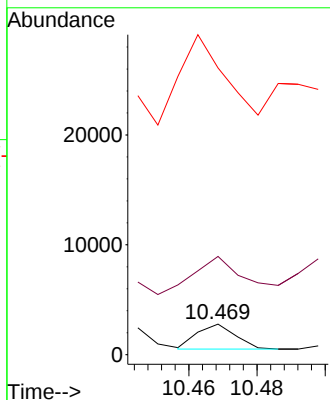
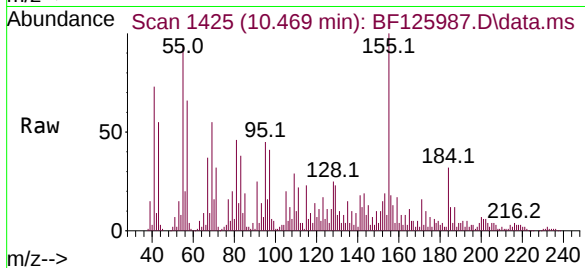




#65
4,6-Dinitro-2-methylphenol
Concen: 6.735 ng
RT: 10.469 min Scan# 1425
Delta R.T. -0.018 min
Lab File: BF125987.D
Acq: 28 Oct 2021 14:12

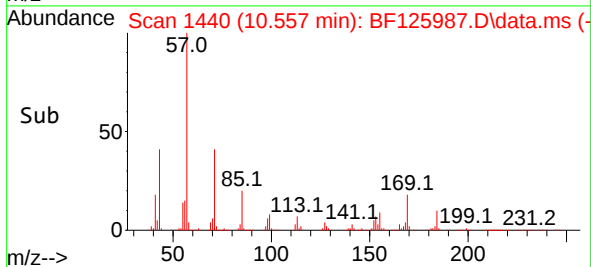
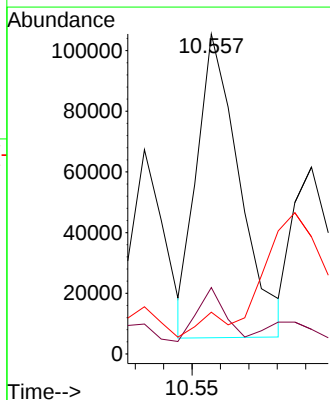
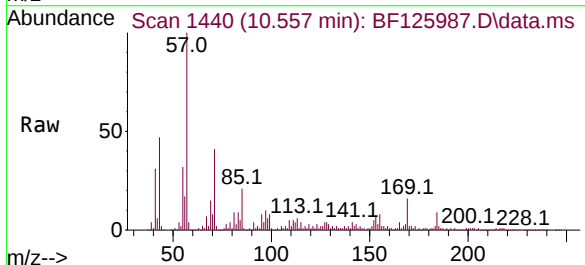
Instrument :
BNA_F
ClientSampleId :
SB-2

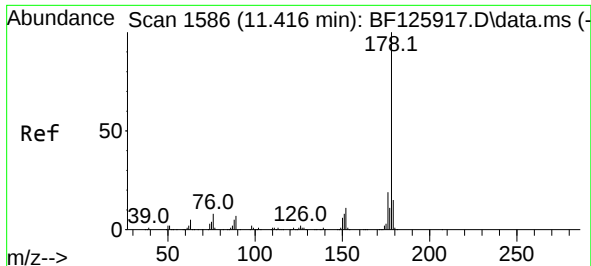
Tgt Ion:198 Resp: 1773
Ion Ratio Lower Upper
198 100
51 320.8 45.3 85.3#
105 937.0 30.6 70.6#



#66
n-Nitrosodiphenylamine
Concen: 6.639 ng
RT: 10.557 min Scan# 1440
Delta R.T. -0.000 min
Lab File: BF125987.D
Acq: 28 Oct 2021 14:12

Tgt Ion:169 Resp: 104750
Ion Ratio Lower Upper
169 100
168 20.7 50.8 76.2#
167 13.0 28.8 43.2#

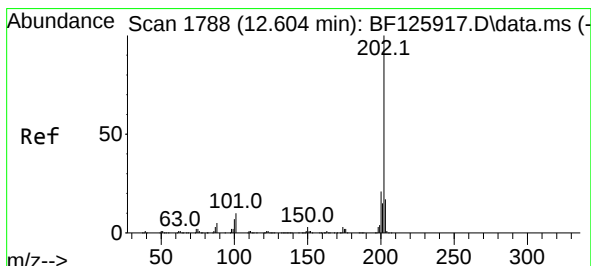
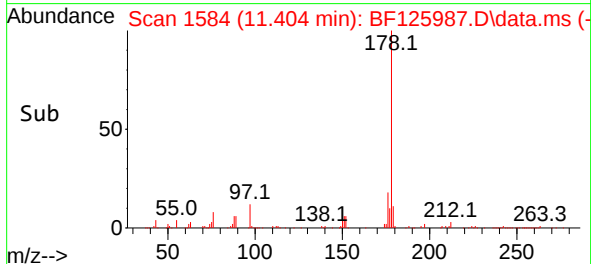
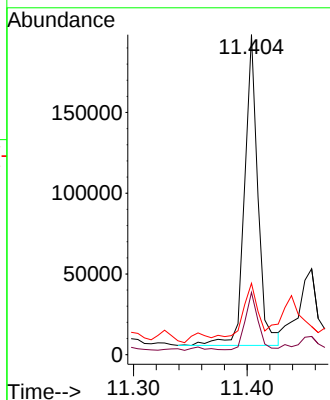
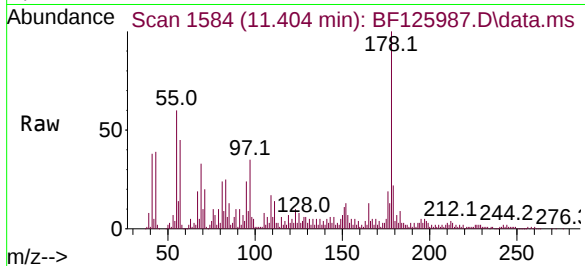




#71
Phenanthrene
Concen: 5.774 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF125987.D
Acq: 28 Oct 2021 14:12

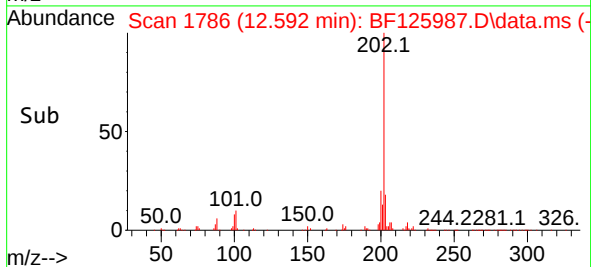
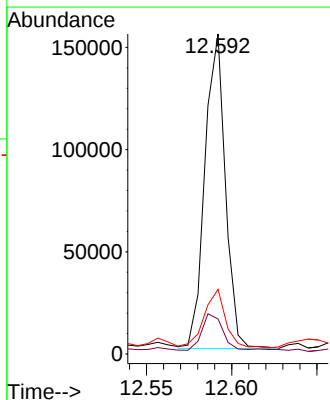
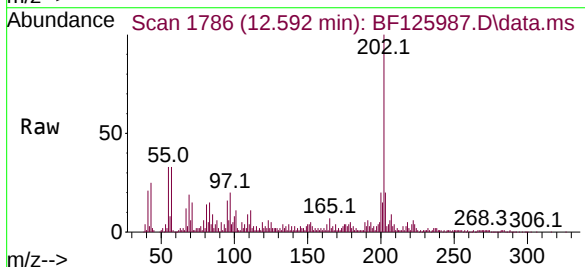
Instrument :
BNA_F
ClientSampled :
SB-2

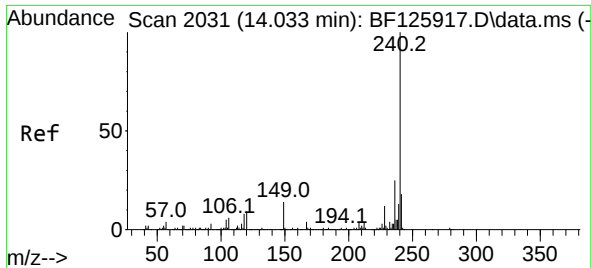
Tgt Ion:178 Resp: 157825
Ion Ratio Lower Upper
178 100
176 19.5 14.7 22.1
179 22.3 11.5 17.3#



#75
Fluoranthene
Concen: 4.675 ng
RT: 12.592 min Scan# 1786
Delta R.T. -0.000 min
Lab File: BF125987.D
Acq: 28 Oct 2021 14:12

Tgt Ion:202 Resp: 128813
Ion Ratio Lower Upper
202 100
101 11.0 0.0 30.7
203 20.2 0.0 36.3

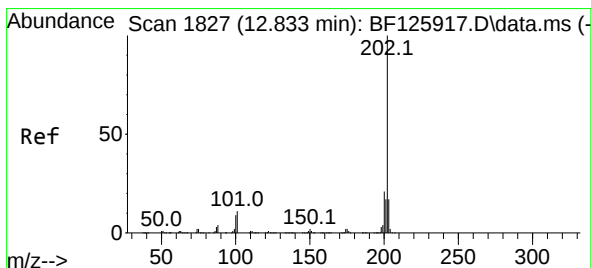
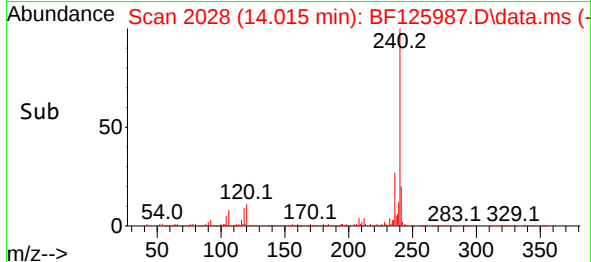
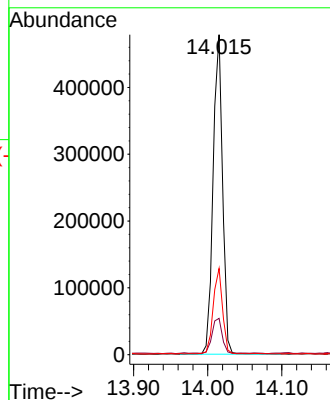
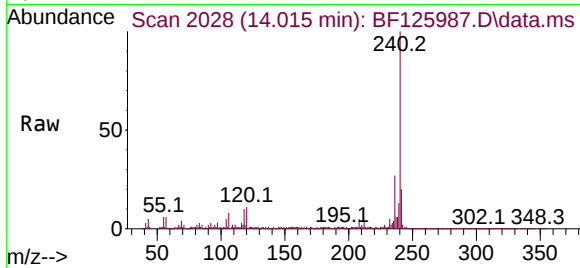




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF125987.D
Acq: 28 Oct 2021 14:12

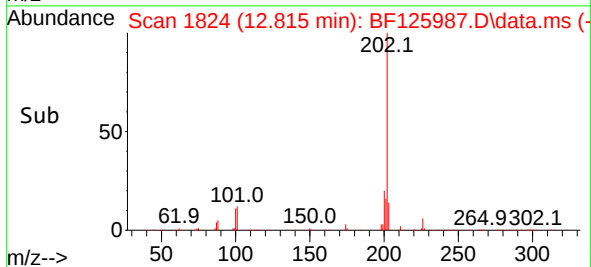
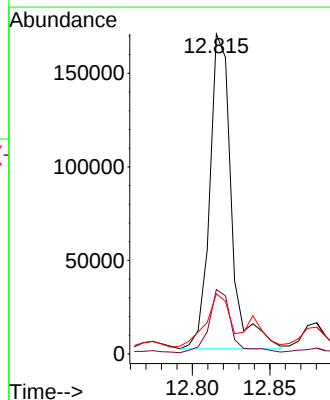
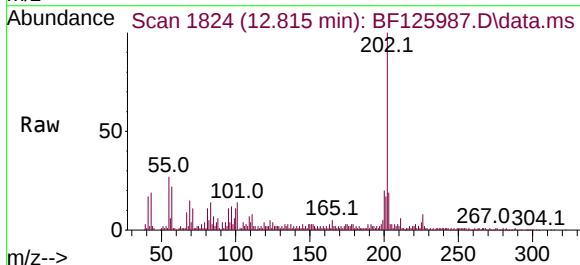
Instrument :
BNA_F
ClientSampleId :
SB-2

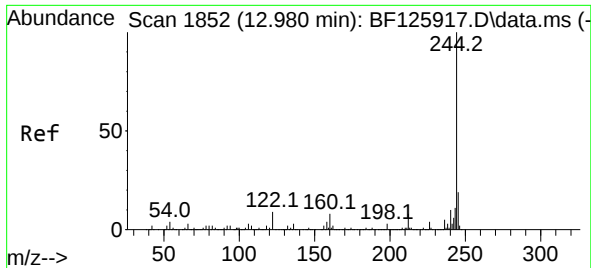
Tgt Ion:	240	Resp:	423300
Ion Ratio	Lower	Upper	
240	100		
120	11.3	10.8	16.2
236	26.9	21.6	32.4



#78
Pyrene
Concen: 4.155 ng
RT: 12.815 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF125987.D
Acq: 28 Oct 2021 14:12

Tgt Ion:	202	Resp:	163667
Ion Ratio	Lower	Upper	
202	100		
200	20.2	15.3	22.9
203	18.8	13.4	20.0

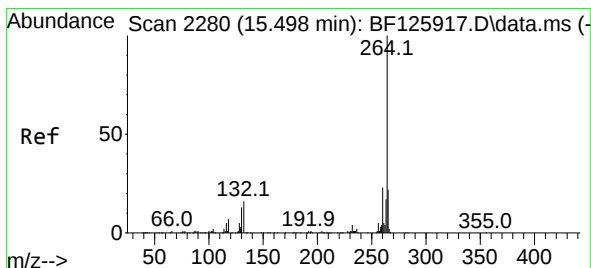
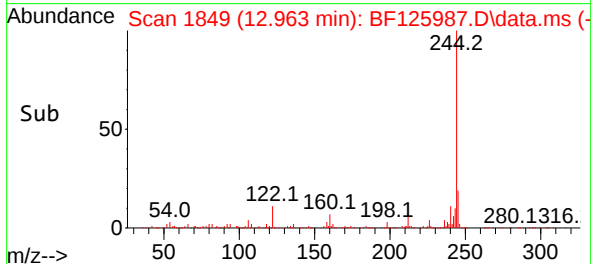
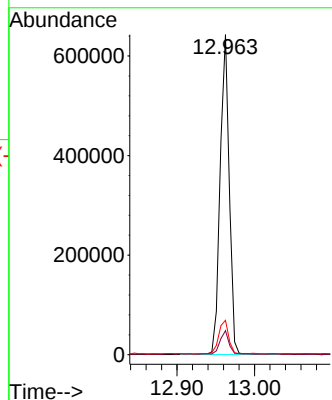
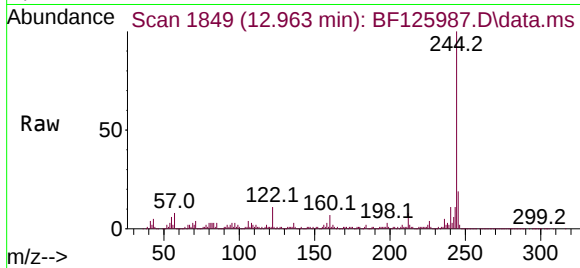




#79
 Terphenyl-d14
 Concen: 20.399 ng
 RT: 12.963 min Scan# 1849
 Delta R.T. -0.006 min
 Lab File: BF125987.D
 Acq: 28 Oct 2021 14:12

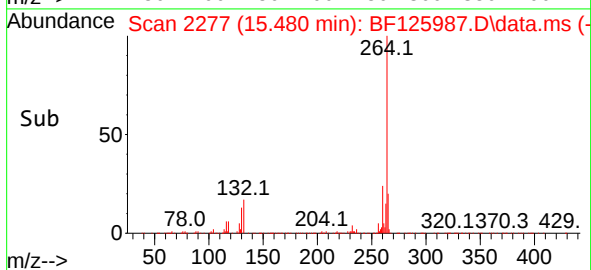
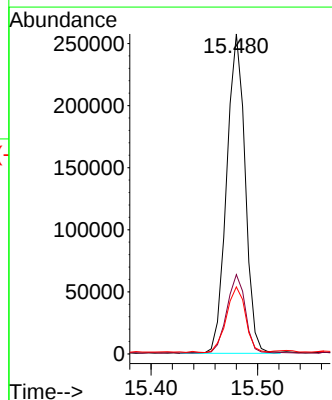
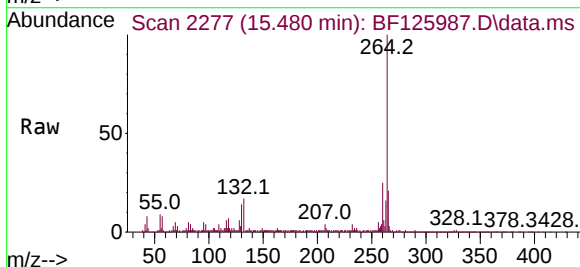
Instrument :
 BNA_F
 ClientSampleId :
 SB-2

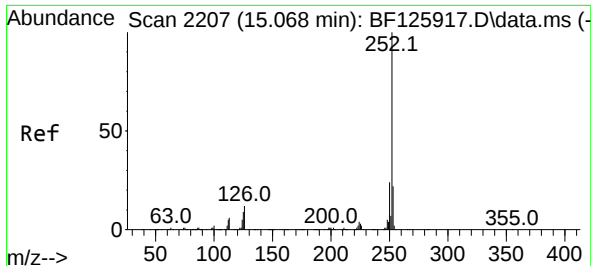
Tgt Ion:244 Resp: 527888
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.9 8.9
 122 10.8 9.0 13.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.480 min Scan# 2277
 Delta R.T. -0.000 min
 Lab File: BF125987.D
 Acq: 28 Oct 2021 14:12

Tgt Ion:264 Resp: 309999
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.6 29.4
 265 21.0 17.2 25.8

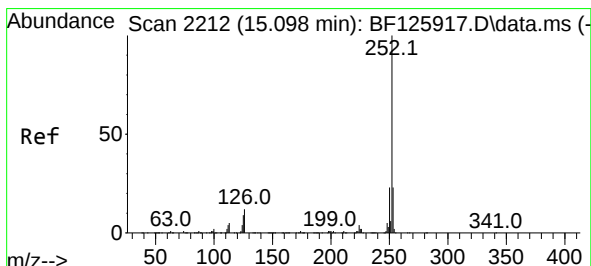
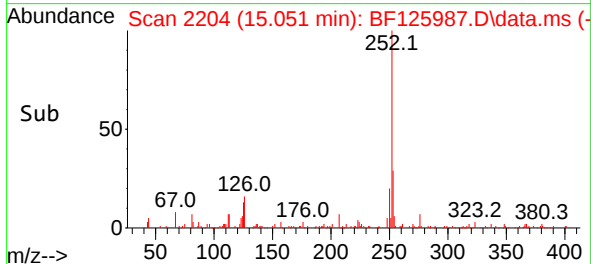
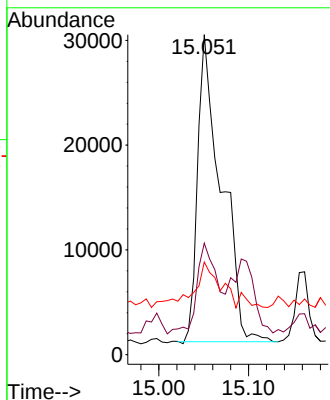
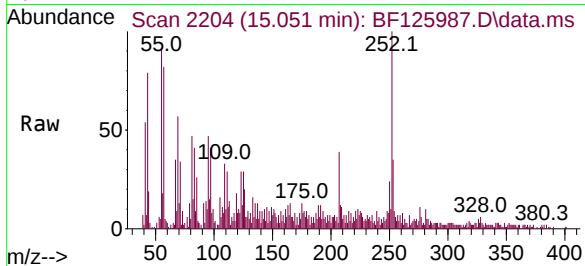




#88
Benzo(b)fluoranthene
Concen: 2.616 ng
RT: 15.051 min Scan# 2204
Delta R.T. -0.006 min
Lab File: BF125987.D
Acq: 28 Oct 2021 14:12

Instrument :
BNA_F
ClientSampleId :
SB-2

Tgt Ion:252 Resp: 53536
Ion Ratio Lower Upper
252 100
253 34.9 16.8 25.2#
125 29.0 9.8 14.8#



#89
Benzo(k)fluoranthene
Concen: 2.724 ng
RT: 15.051 min Scan# 2204
Delta R.T. -0.035 min
Lab File: BF125987.D
Acq: 28 Oct 2021 14:12

Tgt Ion:252 Resp: 53536
Ion Ratio Lower Upper
252 100
253 34.9 17.8 26.8#
125 29.0 7.2 10.8#

