

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
 Data File : BF125989.D
 Acq On : 28 Oct 2021 15:16
 Operator : JU/CG
 Sample : M4372-05 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3

Quant Time: Oct 29 10:38:58 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)

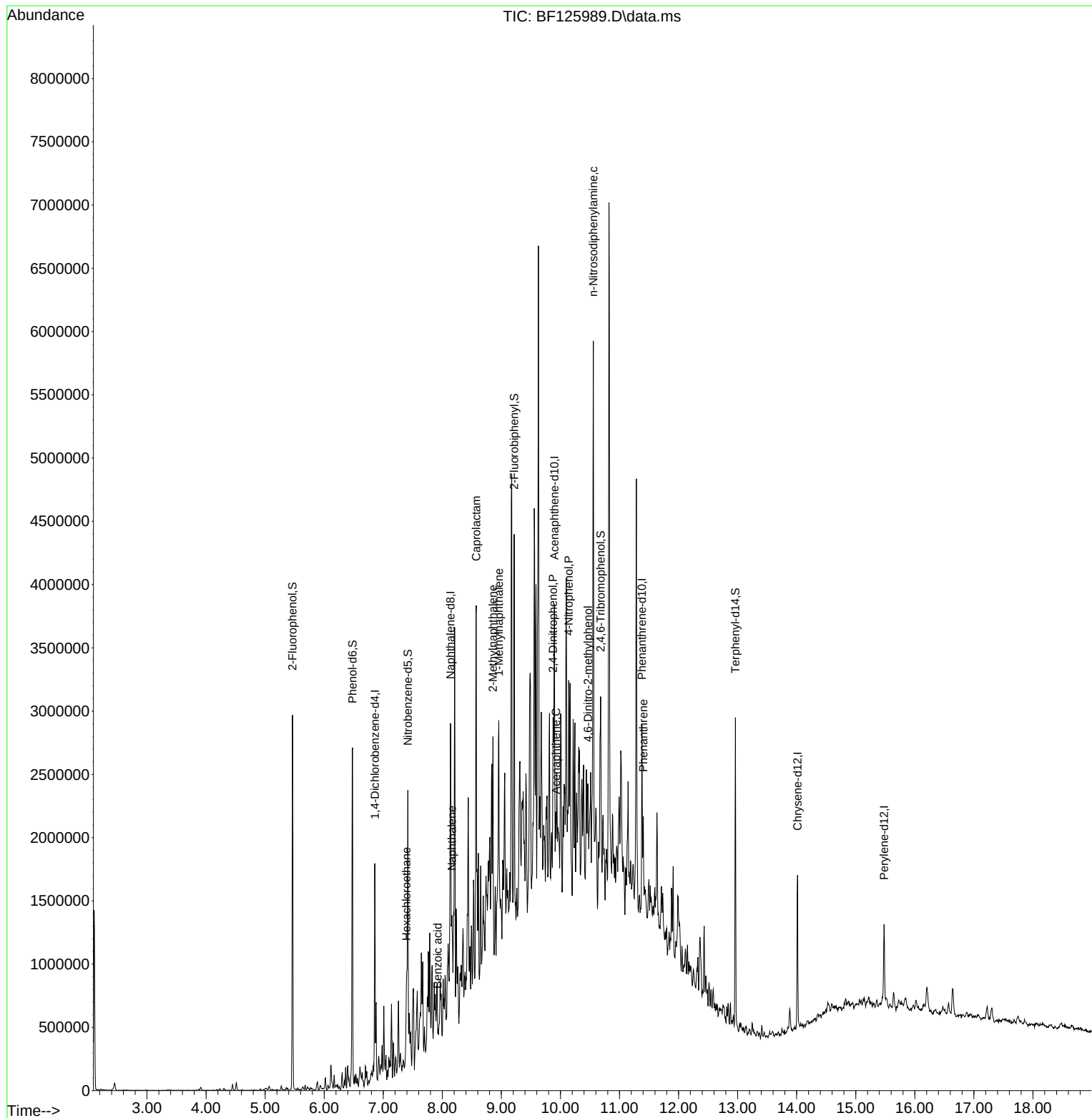
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	196575	20.000	ng	# 0.00
21) Naphthalene-d8	8.139	136	726051	20.000	ng	# 0.00
39) Acenaphthene-d10	9.898	164	343085	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	547162	20.000	ng	0.00
76) Chrysene-d12	14.016	240	420080	20.000	ng	# 0.00
86) Perylene-d12	15.480	264	287163	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	689909	52.277	ng	-0.01
7) Phenol-d6	6.481	99	870536	48.093	ng	0.00
23) Nitrobenzene-d5	7.416	82	557881	39.689	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	141201	47.211	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	817553	42.141	ng	0.00
79) Terphenyl-d14	12.963	244	737660	28.723	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	7.392	117	18999	3.404	ng	# 1
31) Naphthalene	8.163	128	119077	3.225	ng	# 95
32) Benzoic acid	7.922	122	2064	4.417	ng	# 1
35) Caprolactam	8.575	113	55766	16.632	ng	# 1
37) 2-Methylnaphthalene	8.857	142	466222	19.620	ng	93
38) 1-Methylnaphthalene	8.957	142	405427	17.677	ng	90
52) Acenaphthene	9.928	154	40966	2.203	ng	# 86
54) 2,4-Dinitrophenol	9.875	184	614	7.440	ng	# 1
56) 4-Nitrophenol	10.139	139	18077	4.841	ng	81
65) 4,6-Dinitro-2-methylph...	10.469	198	1735	6.696	ng	# 1
66) n-Nitrosodiphenylamine	10.557	169	129633	7.910	ng	# 56
71) Phenanthrene	11.404	178	210629	7.419	ng	# 95

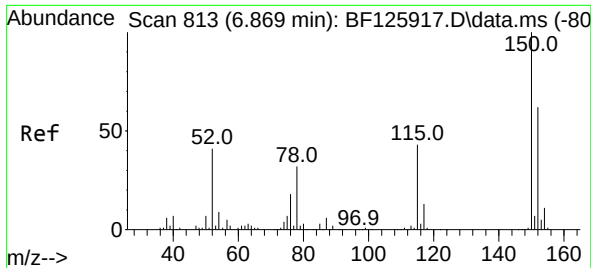
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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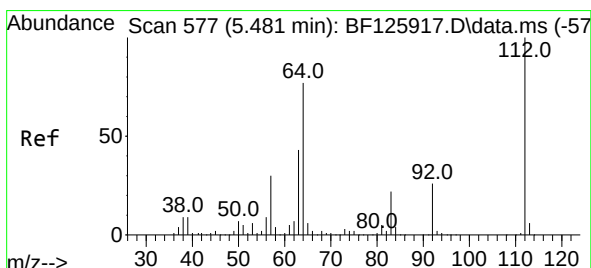
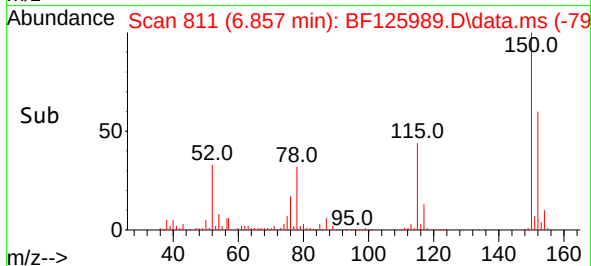
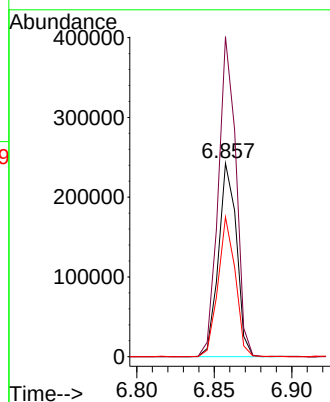
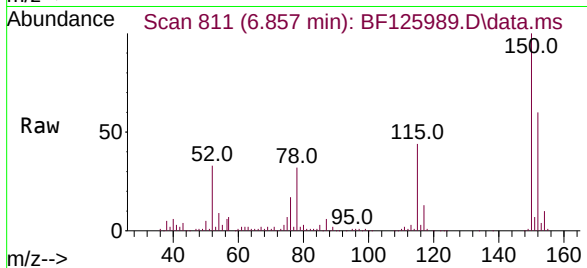




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF125989.D
Acq: 28 Oct 2021 15:16

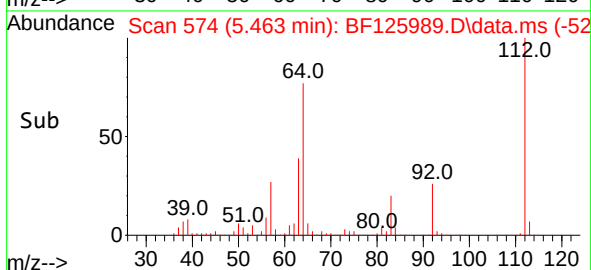
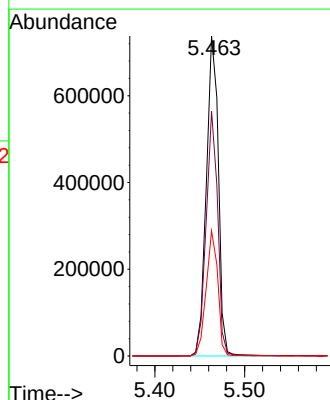
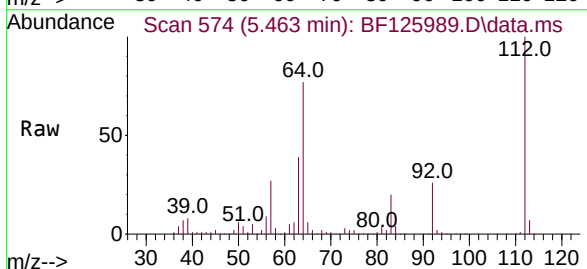
Instrument :
BNA_F
ClientSampleId :
SB-3

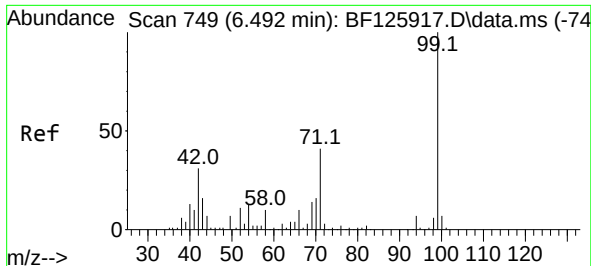
Tgt Ion:152 Resp: 196575
Ion Ratio Lower Upper
152 100
150 165.4 117.6 176.4
115 72.2 47.1 70.7#



#5
2-Fluorophenol
Concen: 52.277 ng
RT: 5.463 min Scan# 574
Delta R.T. -0.012 min
Lab File: BF125989.D
Acq: 28 Oct 2021 15:16

Tgt Ion:112 Resp: 689909
Ion Ratio Lower Upper
112 100
64 76.5 44.2 66.2#
63 39.1 26.2 39.2

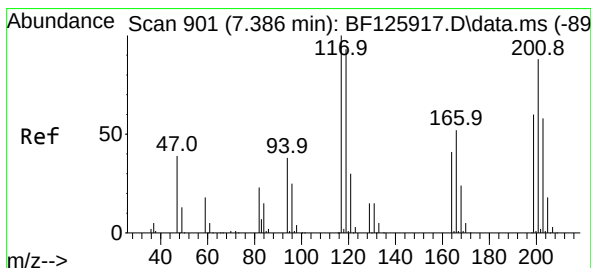
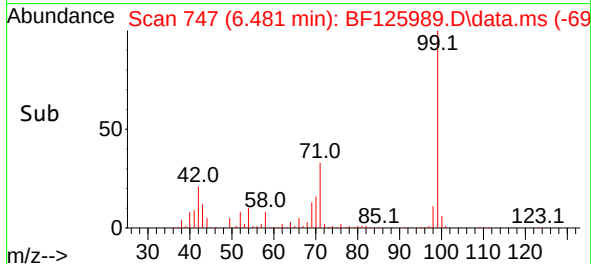
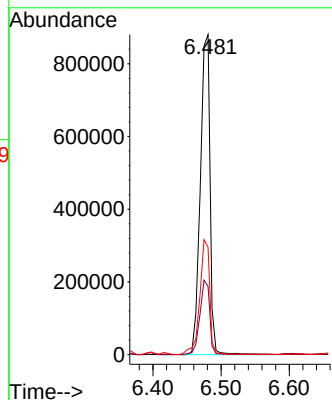
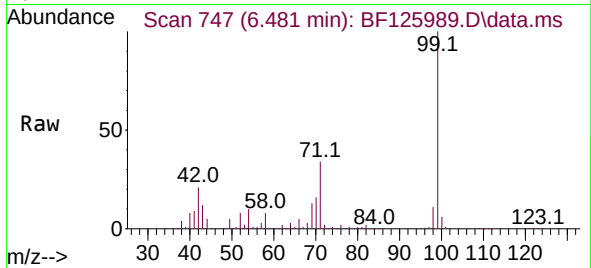




#7
Phenol-d6
Concen: 48.093 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF125989.D
Acq: 28 Oct 2021 15:16

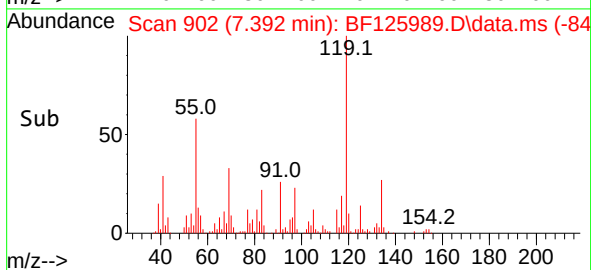
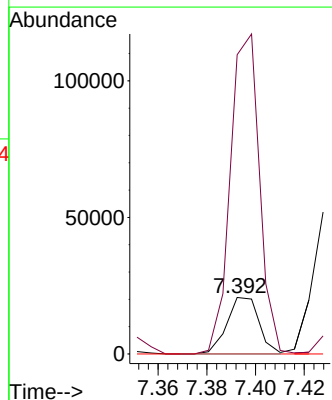
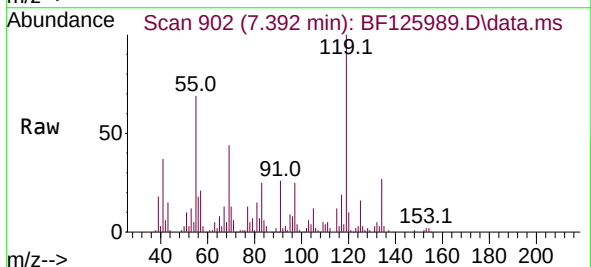
Instrument :
BNA_F
ClientSampleId :
SB-3

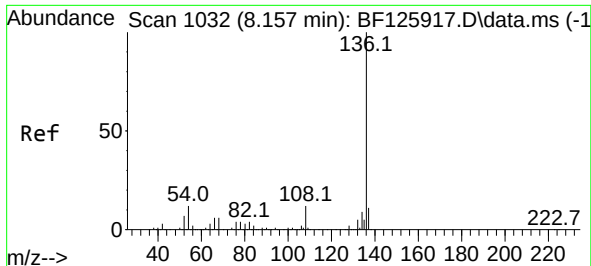
Tgt Ion: 99 Resp: 870536
Ion Ratio Lower Upper
99 100
42 21.4 23.5 35.3#
71 33.5 25.6 38.4



#18
Hexachloroethane
Concen: 3.404 ng
RT: 7.392 min Scan# 902
Delta R.T. 0.018 min
Lab File: BF125989.D
Acq: 28 Oct 2021 15:16

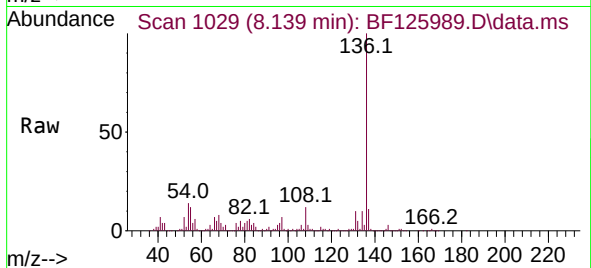
Tgt Ion: 117 Resp: 18999
Ion Ratio Lower Upper
117 100
119 529.6 73.4 110.2#
201 0.0 64.9 97.3#



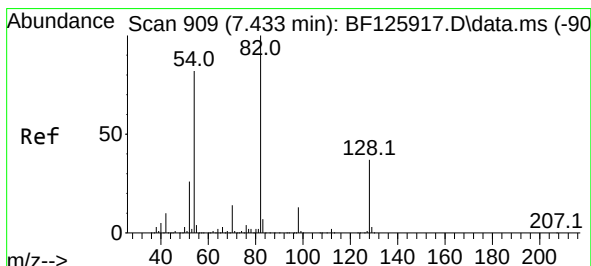
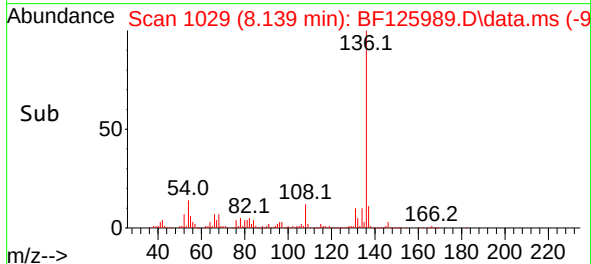
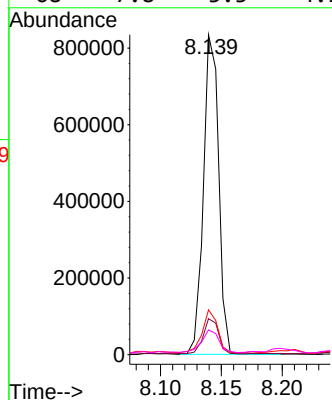


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF125989.D
Acq: 28 Oct 2021 15:16

Instrument :
BNA_F
ClientSampled :
SB-3

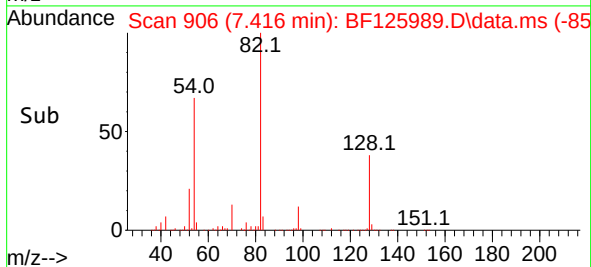
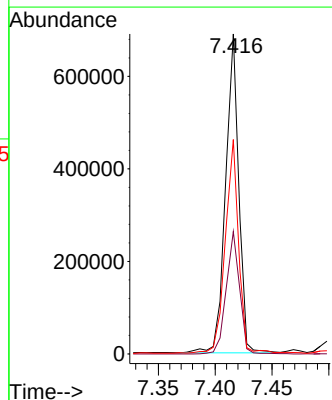
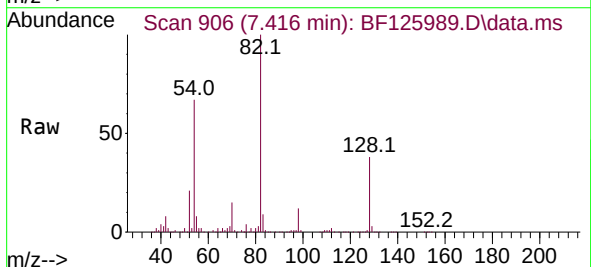


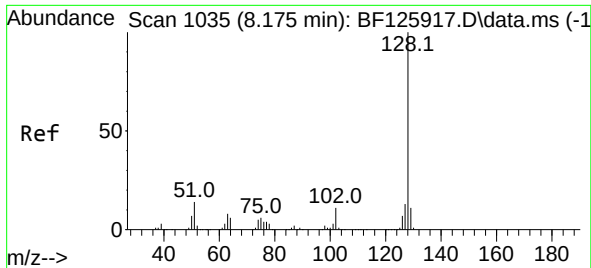
Tgt Ion:136 Resp: 726051
Ion Ratio Lower Upper
136 100
137 11.2 9.8 14.6
54 14.0 6.4 9.6#
68 7.8 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 39.689 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF125989.D
Acq: 28 Oct 2021 15:16

Tgt Ion: 82 Resp: 557881
Ion Ratio Lower Upper
82 100
128 38.3 40.6 60.8#
54 67.0 49.6 74.4

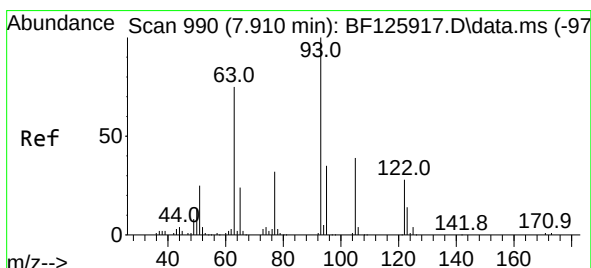
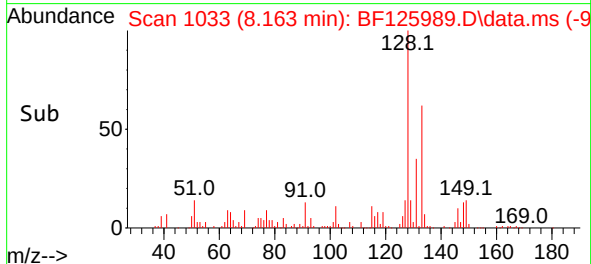
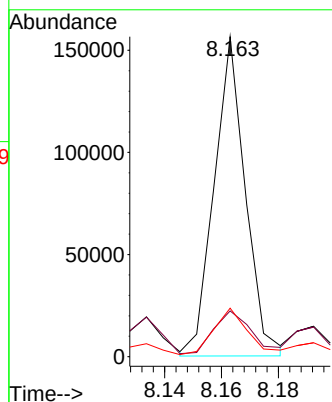
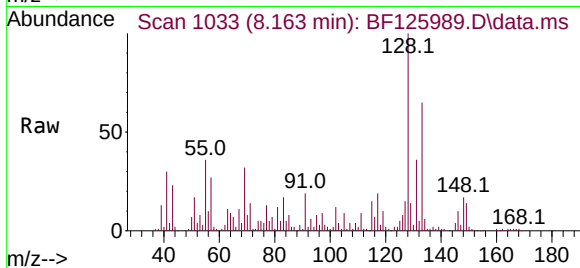




#31
Naphthalene
Concen: 3.225 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF125989.D
Acq: 28 Oct 2021 15:16

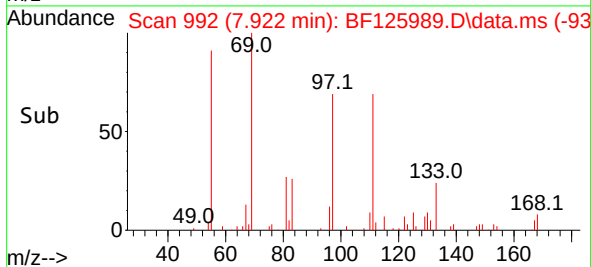
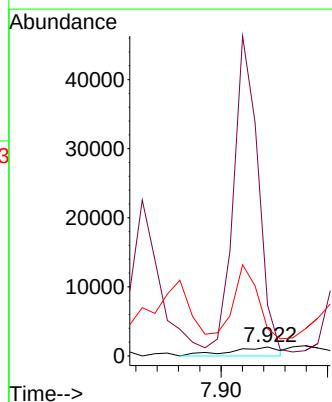
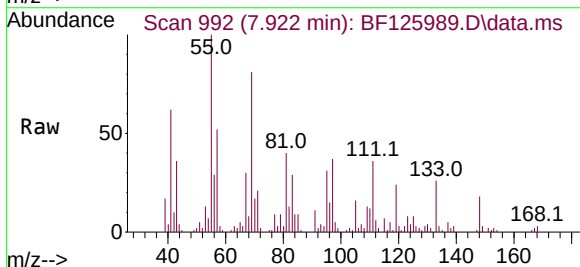
Instrument :
BNA_F
ClientSampled :
SB-3

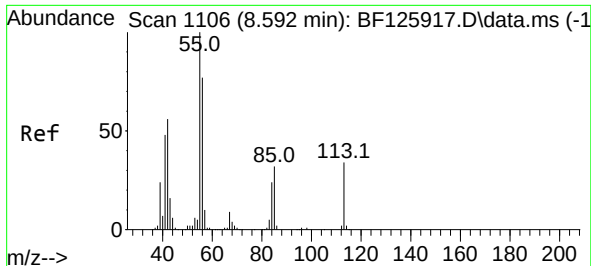
Tgt Ion:128 Resp: 119077
Ion Ratio Lower Upper
128 100
129 14.3 9.4 14.0#
127 15.1 10.9 16.3



#32
Benzoic acid
Concen: 4.417 ng
RT: 7.922 min Scan# 992
Delta R.T. 0.012 min
Lab File: BF125989.D
Acq: 28 Oct 2021 15:16

Tgt Ion:122 Resp: 2064
Ion Ratio Lower Upper
122 100
105 570.8 97.6 137.6#
77 305.8 59.6 99.6#

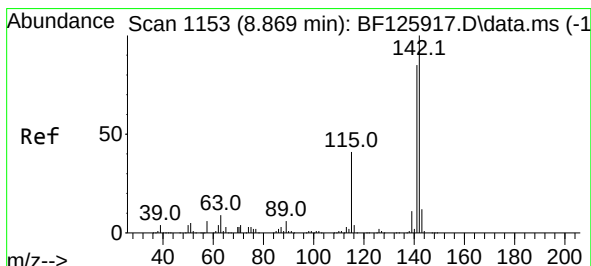
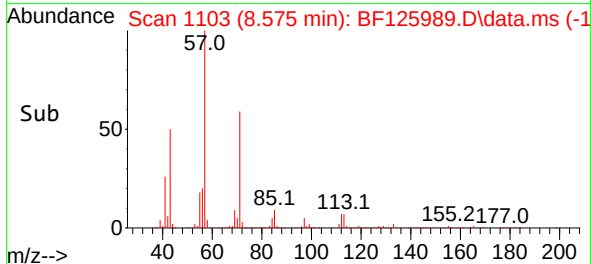
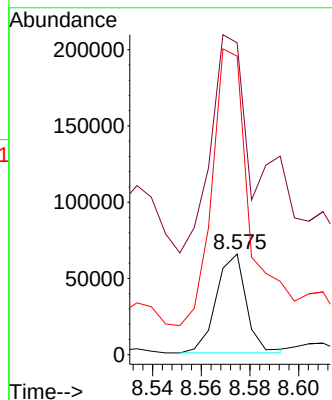
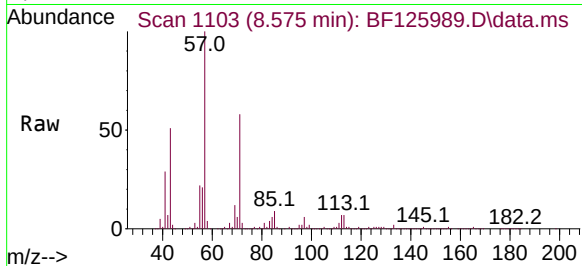




#35
 Caprolactam
 Concen: 16.632 ng
 RT: 8.575 min Scan# 1103
 Delta R.T. -0.012 min
 Lab File: BF125989.D
 Acq: 28 Oct 2021 15:16

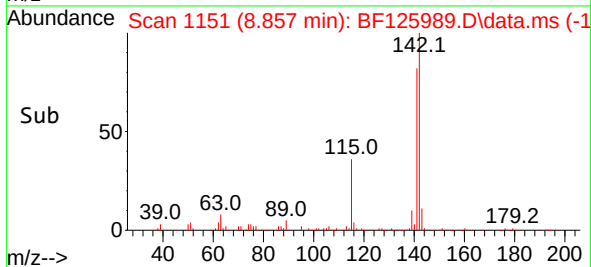
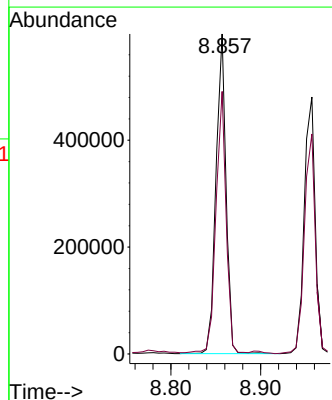
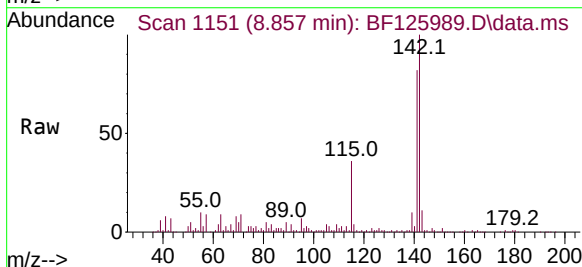
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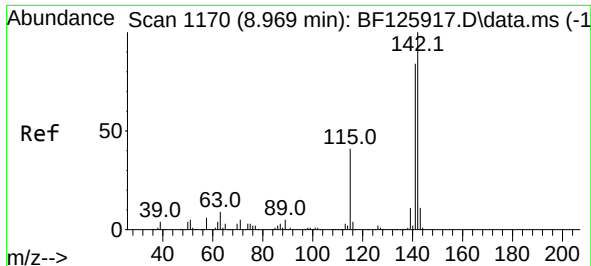
Tgt Ion:113 Resp: 55766
 Ion Ratio Lower Upper
 113 100
 55 309.7 154.1 194.1#
 56 296.6 108.7 148.7#



#37
 2-Methylnaphthalene
 Concen: 19.620 ng
 RT: 8.857 min Scan# 1151
 Delta R.T. 0.000 min
 Lab File: BF125989.D
 Acq: 28 Oct 2021 15:16

Tgt Ion:142 Resp: 466222
 Ion Ratio Lower Upper
 142 100
 141 82.0 71.2 106.8

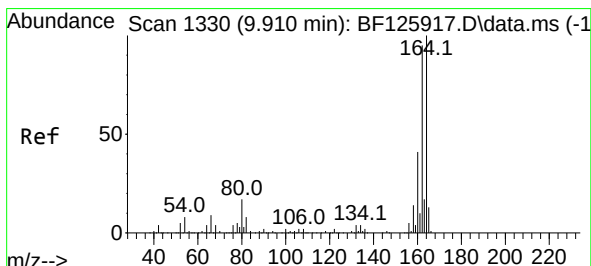
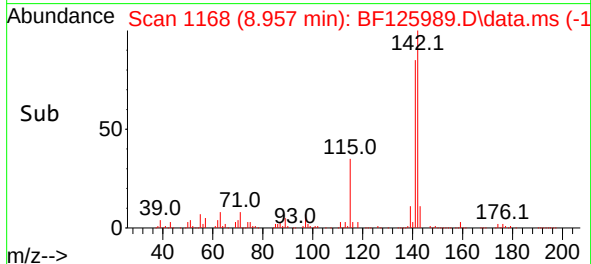
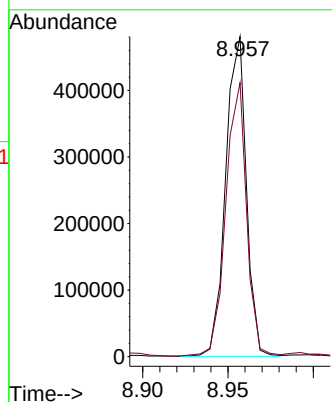
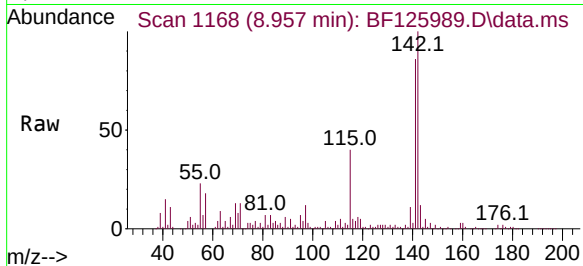




#38
1-Methylnaphthalene
Concen: 17.677 ng
RT: 8.957 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF125989.D
Acq: 28 Oct 2021 15:16

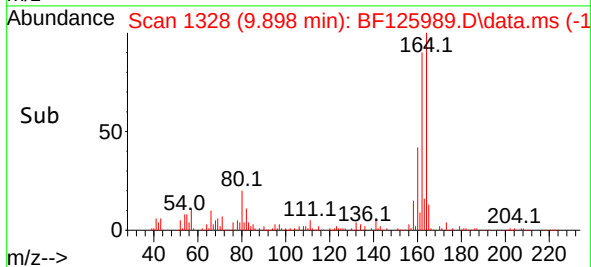
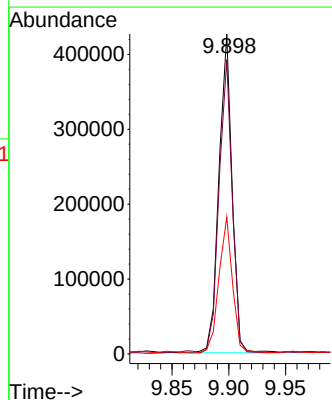
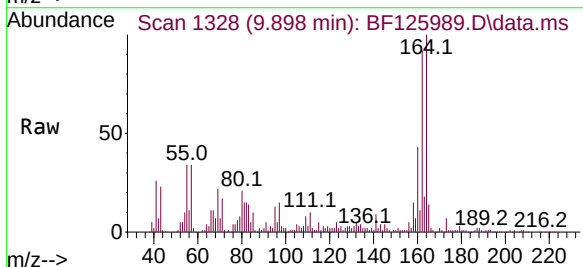
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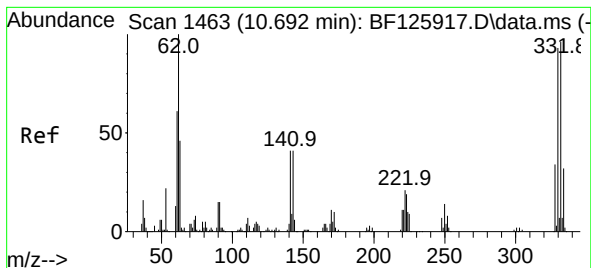
Tgt Ion:142 Resp: 405427
Ion Ratio Lower Upper
142 100
141 85.6 76.0 114.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.000 min
Lab File: BF125989.D
Acq: 28 Oct 2021 15:16

Tgt Ion:164 Resp: 343085
Ion Ratio Lower Upper
164 100
162 91.9 81.3 121.9
160 42.8 38.0 57.0

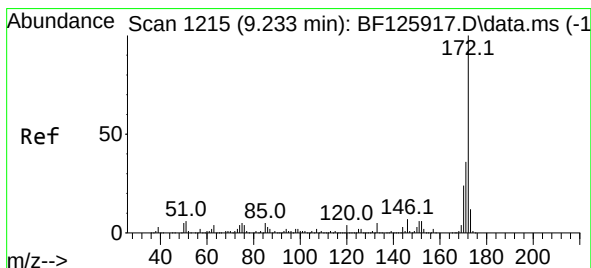
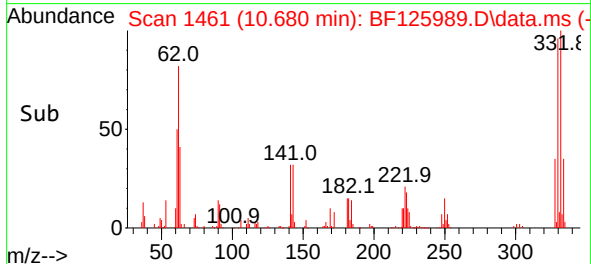
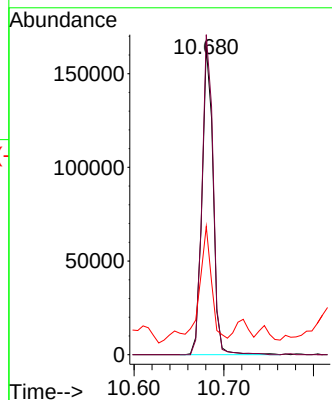
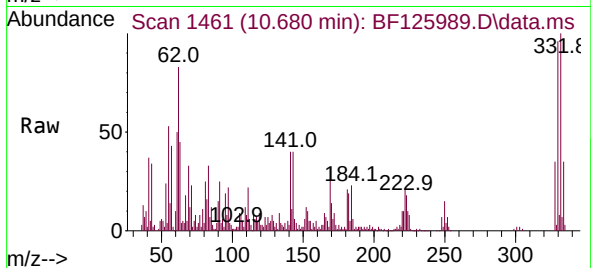




#42
2,4,6-Tribromophenol
Concen: 47.211 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF125989.D
Acq: 28 Oct 2021 15:16

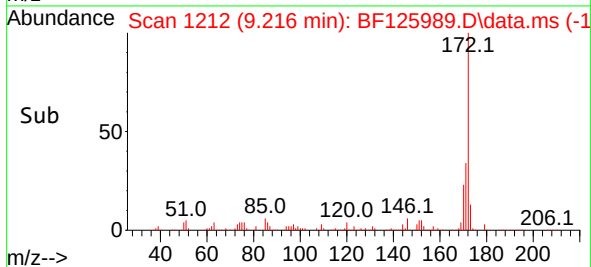
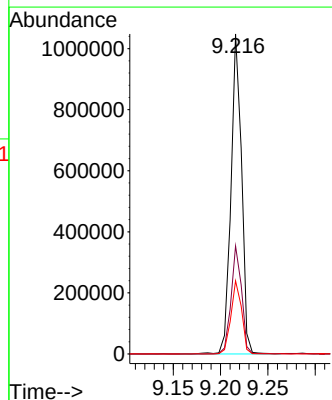
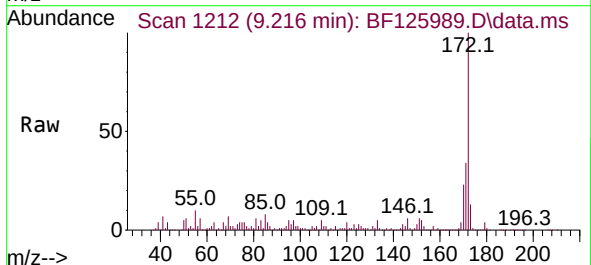
Instrument :
BNA_F
ClientSampled :
SB-3

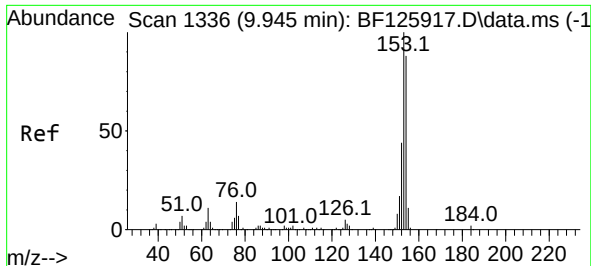
Tgt Ion:330 Resp: 141201
Ion Ratio Lower Upper
330 100
332 103.2 76.2 114.4
141 46.6 44.6 66.8



#45
2-Fluorobiphenyl
Concen: 42.141 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF125989.D
Acq: 28 Oct 2021 15:16

Tgt Ion:172 Resp: 817553
Ion Ratio Lower Upper
172 100
171 33.8 26.5 39.7
170 22.8 18.8 28.2

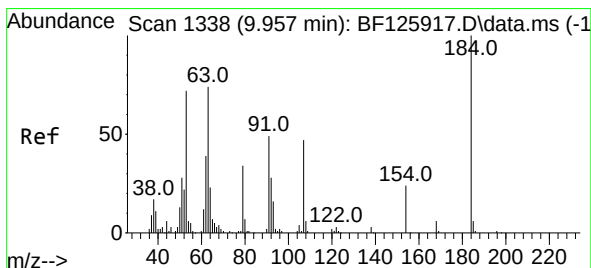
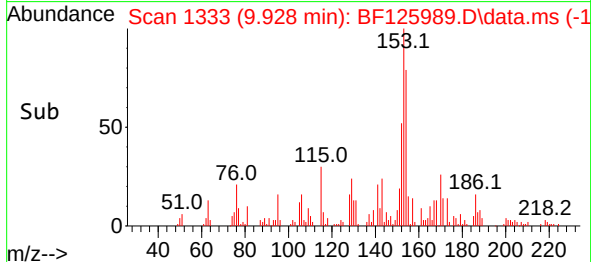
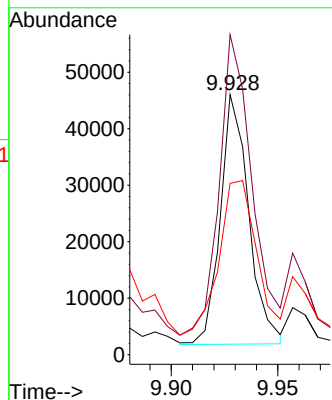
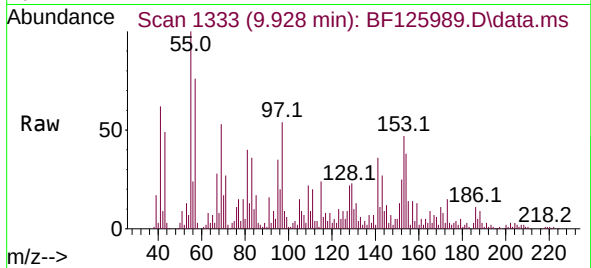




#52
Acenaphthene
Concen: 2.203 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF125989.D
Acq: 28 Oct 2021 15:16

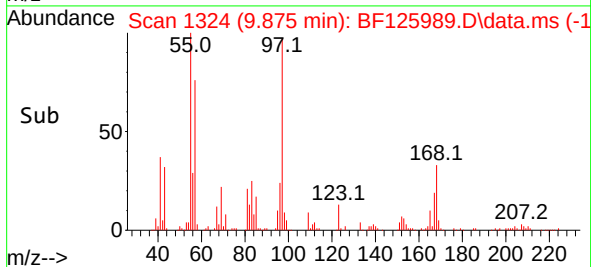
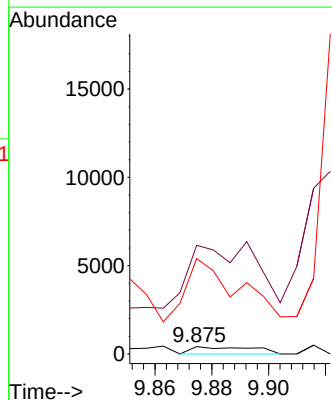
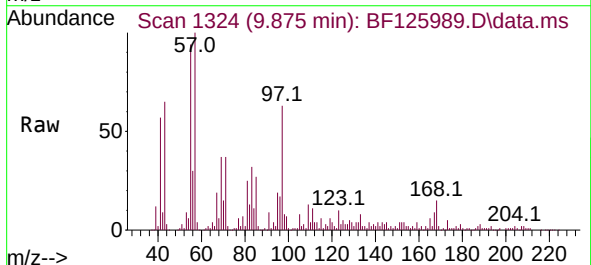
Instrument :
BNA_F
ClientSampled :
SB-3

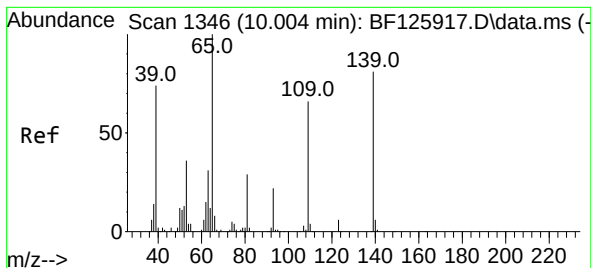
Tgt Ion:154 Resp: 40966
Ion Ratio Lower Upper
154 100
153 123.1 89.4 134.2
152 65.9 40.5 60.7#



#54
2,4-Dinitrophenol
Concen: 7.440 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.076 min
Lab File: BF125989.D
Acq: 28 Oct 2021 15:16

Tgt Ion:184 Resp: 614
Ion Ratio Lower Upper
184 100
63 1472.0 59.3 88.9#
154 1292.6 68.6 102.8#

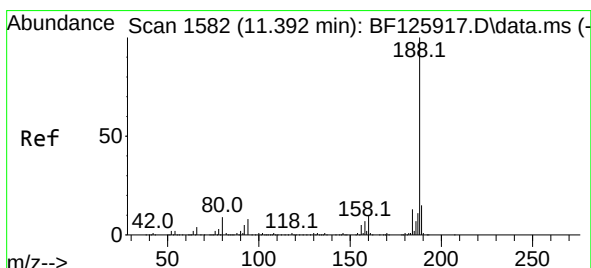
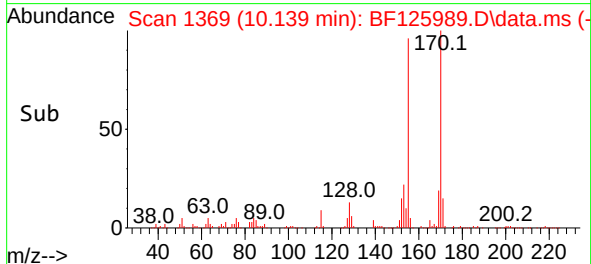
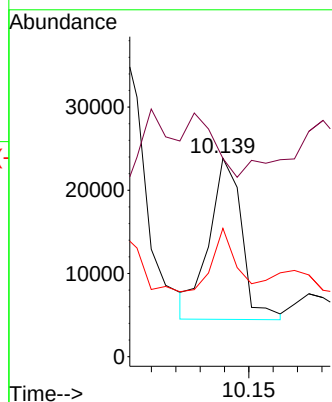
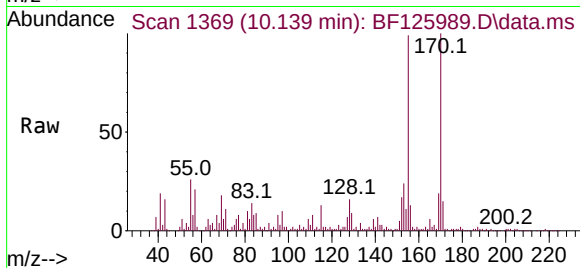




#56
4-Nitrophenol
Concen: 4.841 ng
RT: 10.139 min Scan# 1369
Delta R.T. 0.141 min
Lab File: BF125989.D
Acq: 28 Oct 2021 15:16

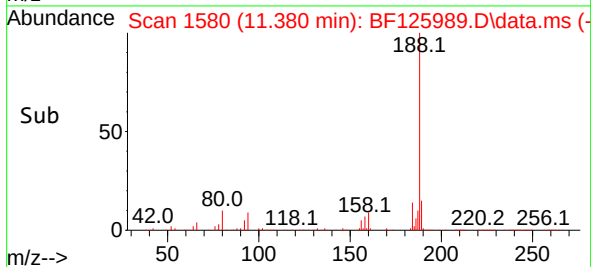
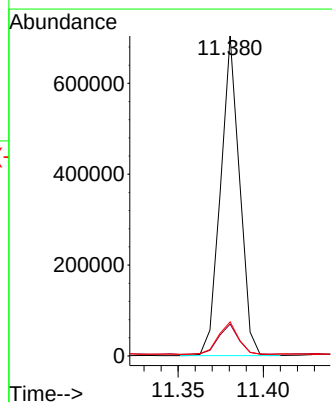
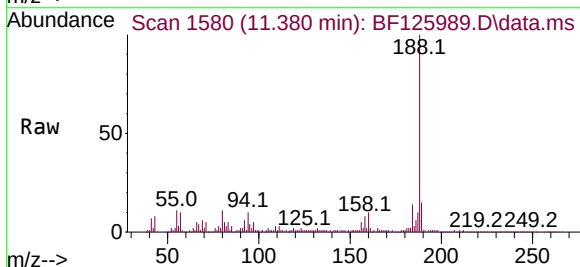
Instrument :
BNA_F
ClientSampleId :
SB-3

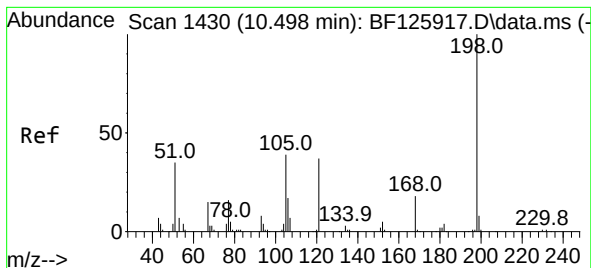
Tgt Ion:139 Resp: 18077
Ion Ratio Lower Upper
139 100
109 99.9 60.4 100.4
65 64.7 58.4 98.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF125989.D
Acq: 28 Oct 2021 15:16

Tgt Ion:188 Resp: 547162
Ion Ratio Lower Upper
188 100
94 9.9 6.7 10.1
80 10.7 7.5 11.3

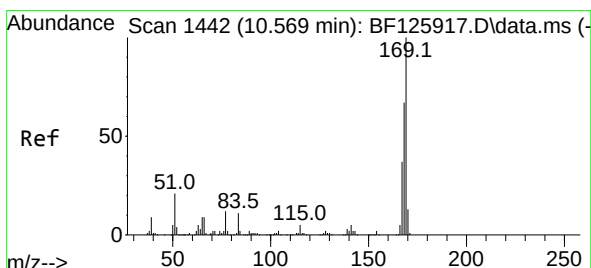
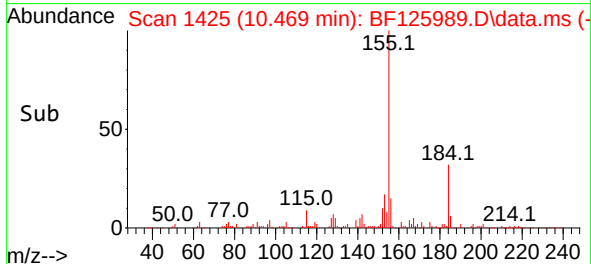
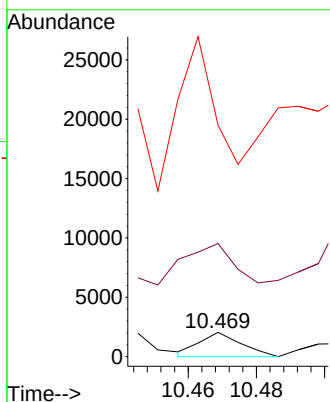
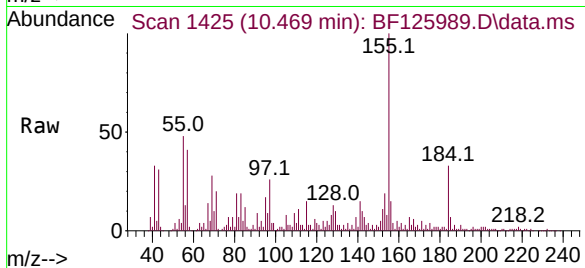




#65
4,6-Dinitro-2-methylphenol
Concen: 6.696 ng
RT: 10.469 min Scan# 1425
Delta R.T. -0.018 min
Lab File: BF125989.D
Acq: 28 Oct 2021 15:16

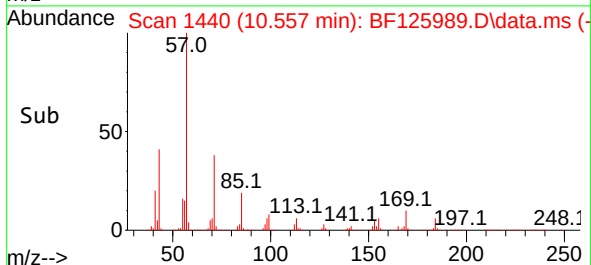
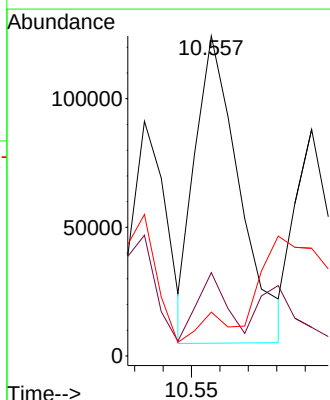
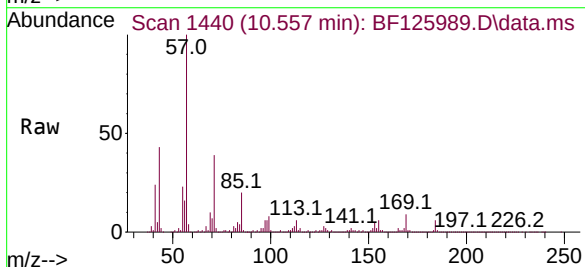
Instrument :
BNA_F
ClientSampled :
SB-3

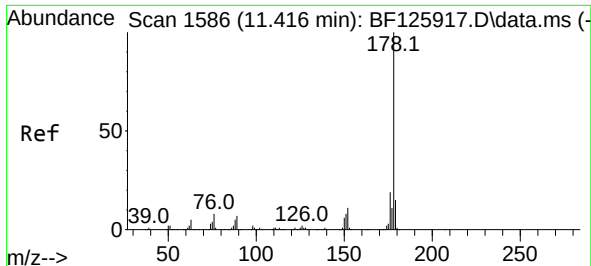
Tgt Ion:198 Resp: 1735
Ion Ratio Lower Upper
198 100
51 465.9 45.3 85.3#
105 953.3 30.6 70.6#



#66
n-Nitrosodiphenylamine
Concen: 7.910 ng
RT: 10.557 min Scan# 1440
Delta R.T. 0.000 min
Lab File: BF125989.D
Acq: 28 Oct 2021 15:16

Tgt Ion:169 Resp: 129633
Ion Ratio Lower Upper
169 100
168 26.1 50.8 76.2#
167 13.7 28.8 43.2#

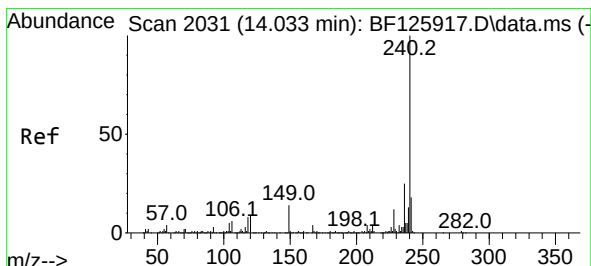
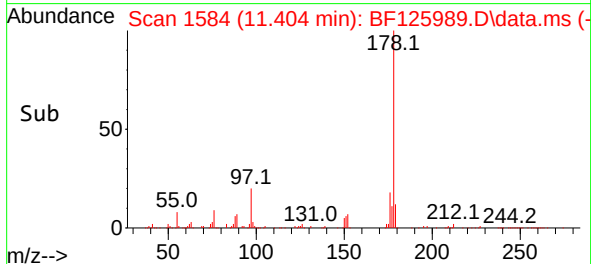
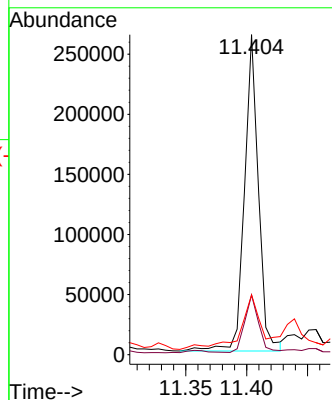
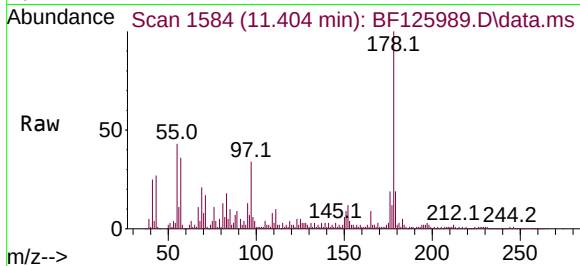




#71
Phenanthrene
Concen: 7.419 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF125989.D
Acq: 28 Oct 2021 15:16

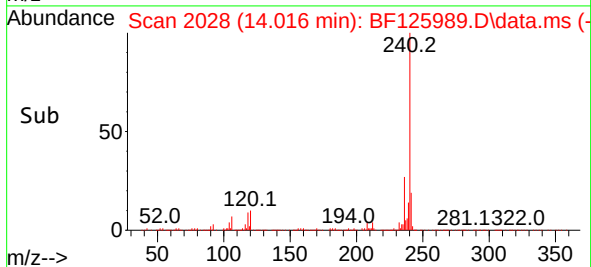
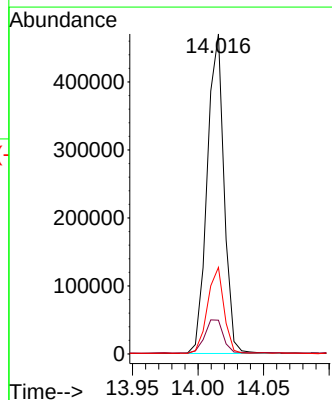
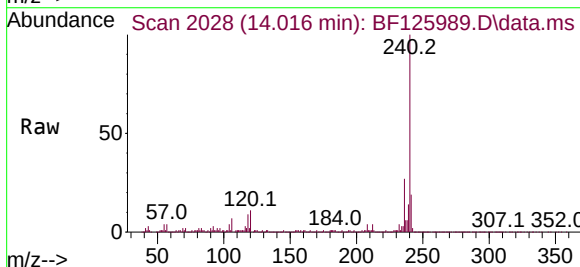
Instrument :
BNA_F
ClientSampled :
SB-3

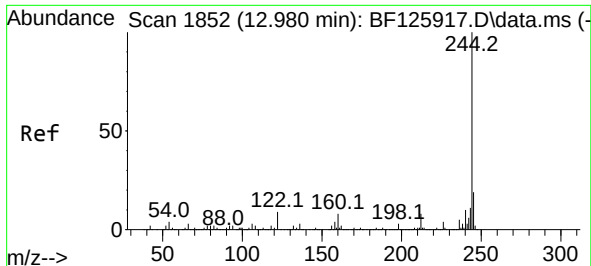
Tgt Ion:178 Resp: 210629
Ion Ratio Lower Upper
178 100
176 18.7 14.7 22.1
179 18.7 11.5 17.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF125989.D
Acq: 28 Oct 2021 15:16

Tgt Ion:240 Resp: 420080
Ion Ratio Lower Upper
240 100
120 10.6 10.8 16.2#
236 27.1 21.6 32.4





#79

Terphenyl-d14

Concen: 28.723 ng

RT: 12.963 min Scan# 1849

Delta R.T. -0.006 min

Lab File: BF125989.D

Acq: 28 Oct 2021 15:16

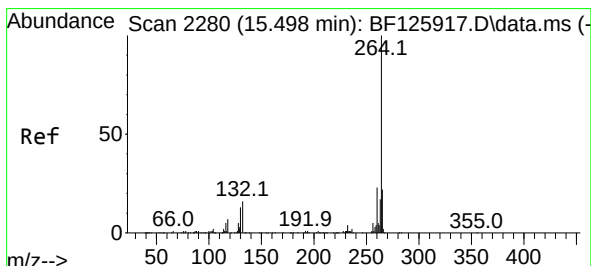
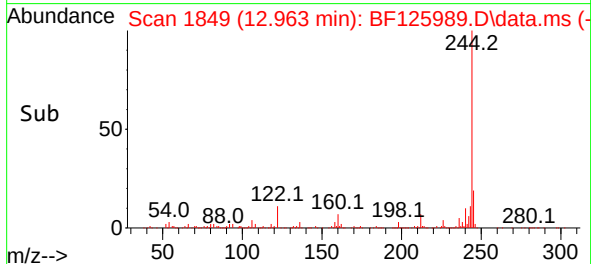
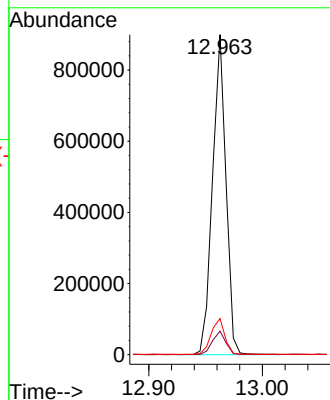
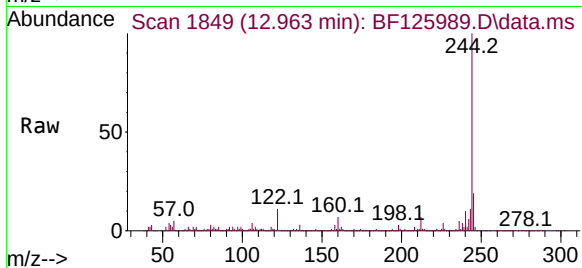
Tgt Ion:244 Resp: 737660

Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

122 11.3 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: BF125989.D

Acq: 28 Oct 2021 15:16

Tgt Ion:264 Resp: 287163

Ion Ratio Lower Upper

264 100

260 24.6 19.6 29.4

265 21.8 17.2 25.8

