

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF122017\
 Data File : BF101567.D
 Acq On : 20 Dec 2017 15:02
 Operator : SJ/JU
 Sample : I6981-01 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PHMHA-WCS

Quant Time: Dec 20 15:55:54 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 20 14:25:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	143558	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	558676	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	230347	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	365554	20.00	ng	0.00
75) Chrysene-d12	13.97	240	260031	20.00	ng	0.00
86) Perylene-d12	15.44	264	284722	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	490949	50.94	ng	0.00
7) Phenol-d6	6.43	99	643025	53.61	ng	0.00
23) Nitrobenzene-d5	7.36	82	404157	40.27	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	60342	27.19	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	653019	43.98	ng	0.00
78) Terphenyl-d14	12.90	244	452636	41.96	ng	0.00

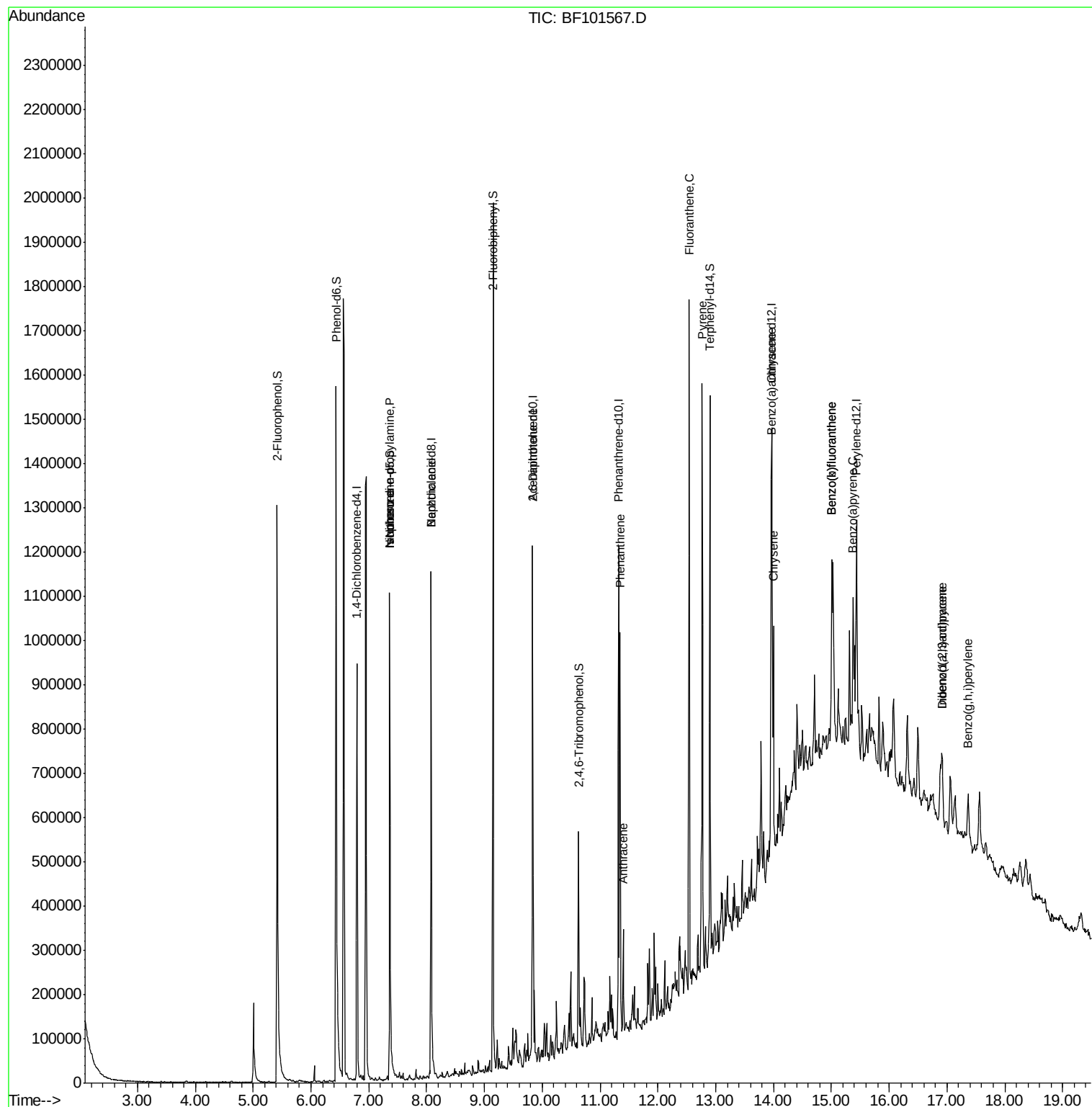
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.36	70	53875	6.840	ng	# 80
25) Isophorone	7.36	82	404157	20.074	ng	# 64
32) Benzoic acid	8.07	122	111	7.978	ng	# 1
50) 2,6-Dinitrotoluene	9.83	165	30659	8.142	ng	# 26
70) Phenanthrene	11.35	178	312989	15.396	ng	99
71) Anthracene	11.40	178	98781	4.757	ng	98
74) Fluoranthene	12.54	202	596405	27.950	ng	97
77) Pyrene	12.77	202	502791	25.764	ng	100
80) Benzo(a)anthracene	13.96	228	244080	14.215	ng	97
82) Chrysene	14.00	228	221621	13.670	ng	99
85) Indeno(1,2,3-cd)pyrene	16.92	276	112680	7.805	ng	# 89
87) Benzo(b)fluoranthene	15.01	252	353771	20.385	ng	# 93
88) Benzo(k)fluoranthene	15.01	252	353630	20.958	ng	96
89) Benzo(a)pyrene	15.38	252	185291	11.582	ng	96
90) Dibenzo(a,h)anthracene	16.91	278	27580	2.008	ng	# 74
91) Benzo(g,h,i)perylene	17.36	276	99244	7.297	ng	95

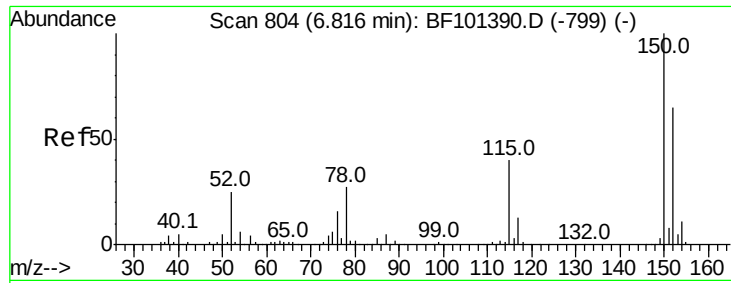
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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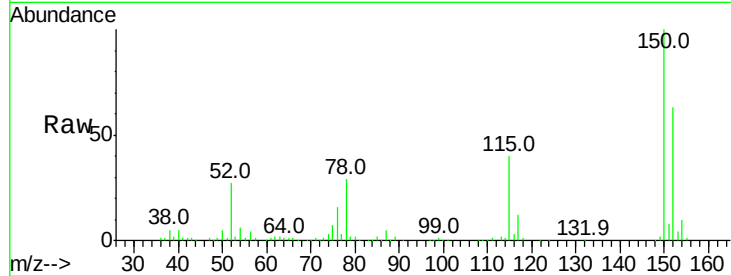


#1

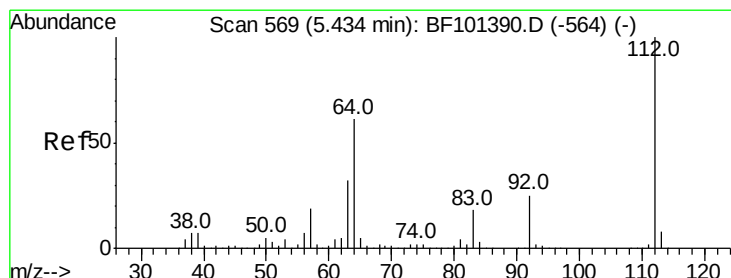
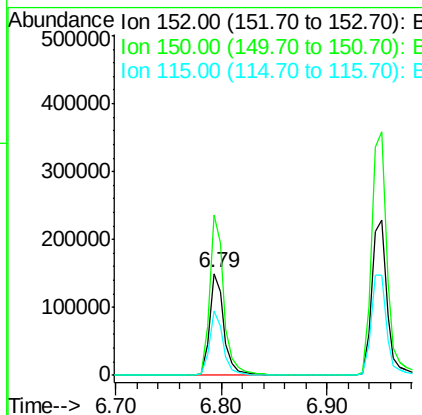
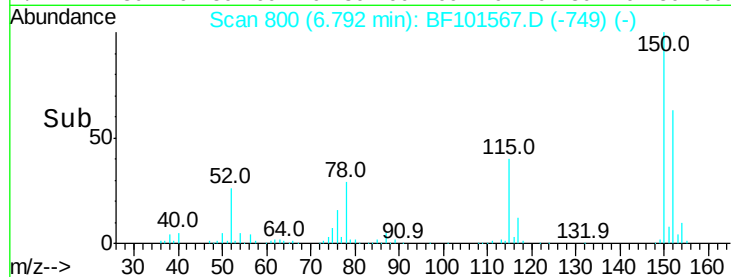
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF101567.D
Acq: 20 Dec 2017 15:02

Instrument :
BNA_F
ClientSampleId :
PHMHA-WCS

Tot Ion:152 Resp: 143558
Ion Ratio Lower Upper
152 100
150 157.8 124.6 186.8
115 63.6 50.1 75.1



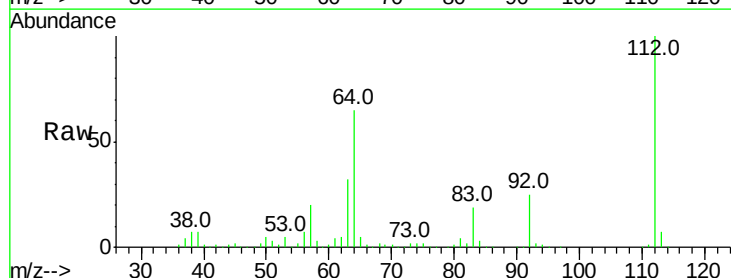
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



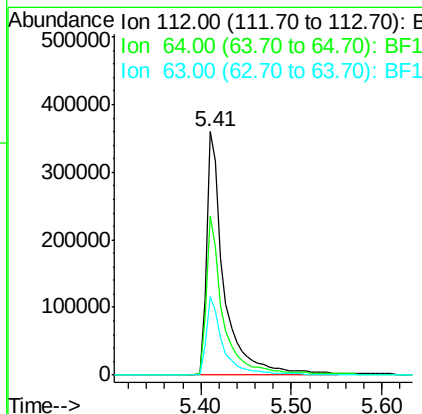
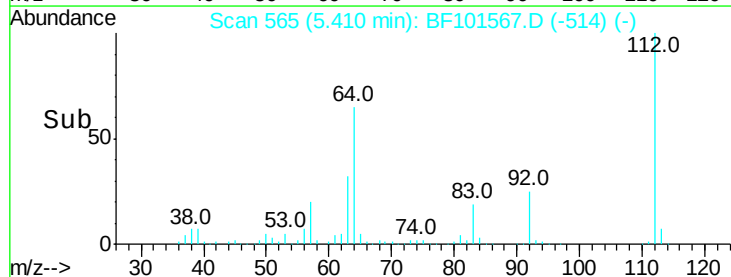
#5

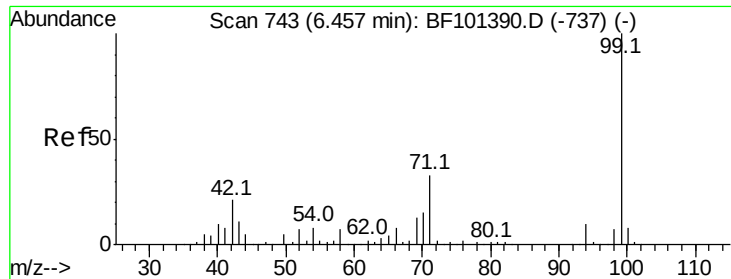
2-Fluorophenol
Concen: 50.942 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.00 min
Lab File: BF101567.D
Acq: 20 Dec 2017 15:02

Tgt Ion:112 Resp: 490949
Ion Ratio Lower Upper
112 100
64 65.2 47.9 71.9
63 32.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 53.611 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF101567.D

Acq: 20 Dec 2017 15:02

Instrument :

BNA_F

ClientSampleId :

PHMHA-WCS

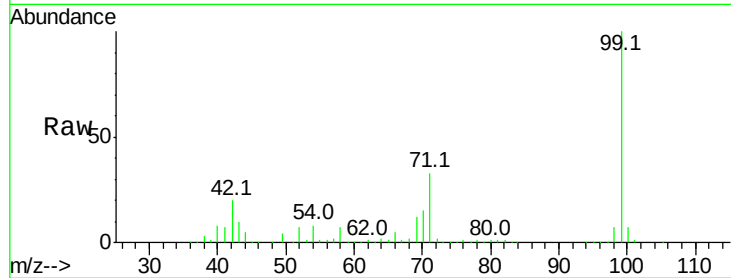
Tot Ion: 99 Resp: 643025

Ion Ratio Lower Upper

99 100

42 20.1 14.5 21.7

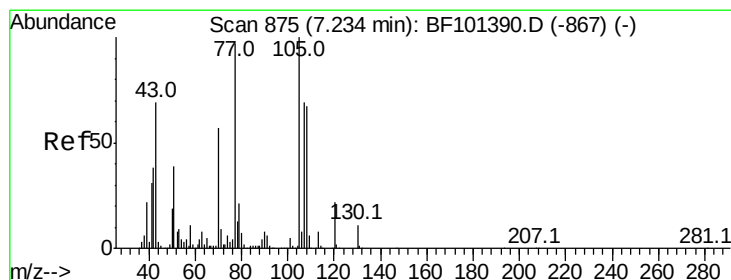
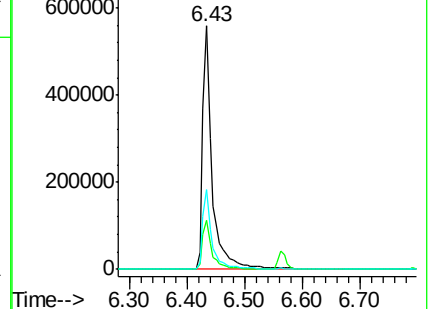
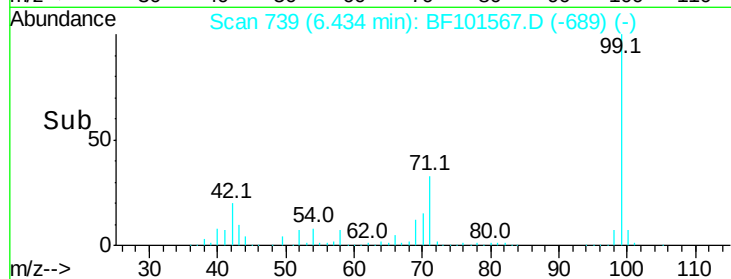
71 32.7 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 6.840 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF101567.D

Acq: 20 Dec 2017 15:02

Tgt Ion: 70 Resp: 53875

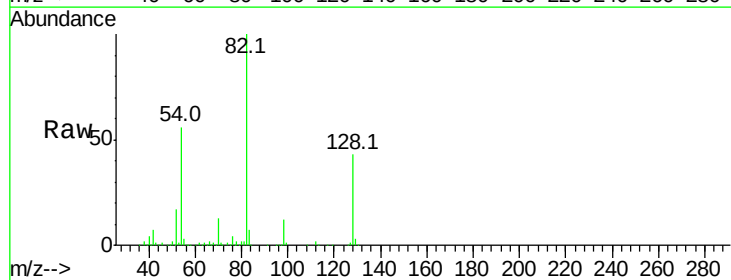
Ion Ratio Lower Upper

70 100

42 50.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

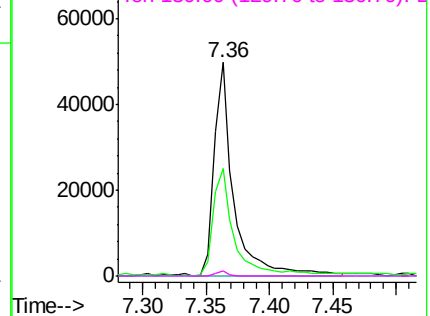
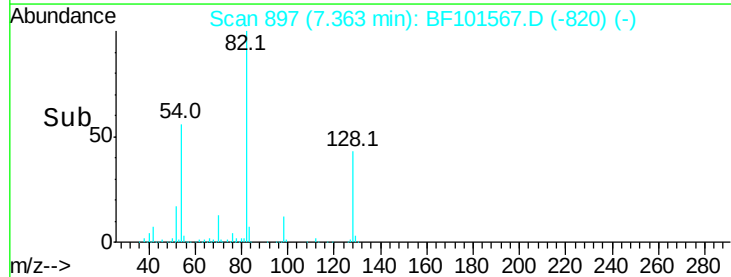


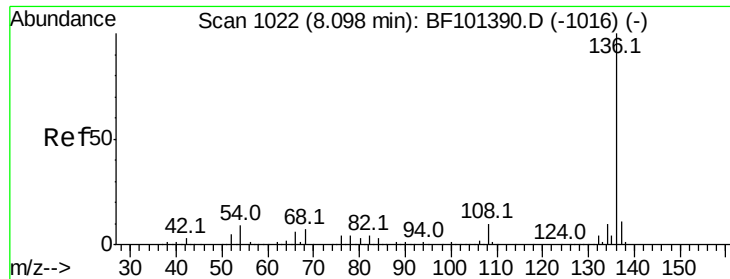
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

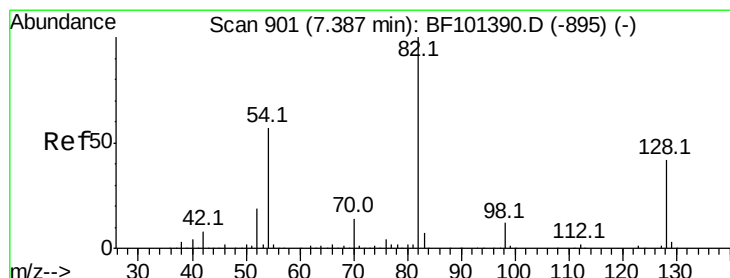
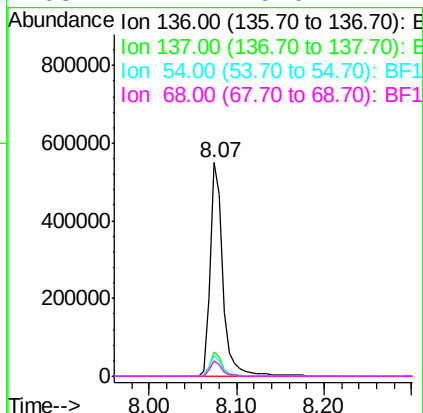
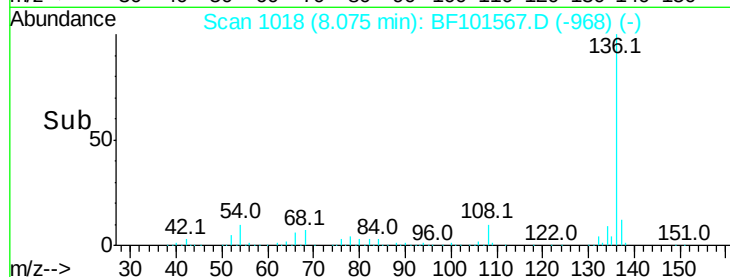
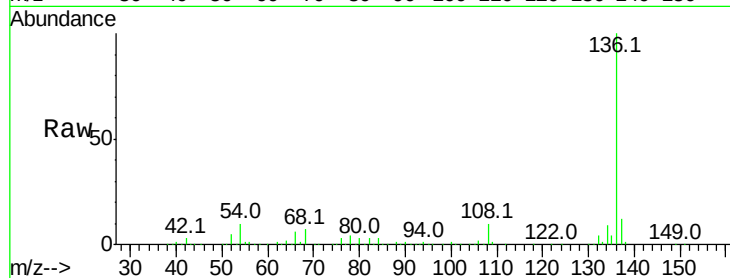




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF101567.D
Acq: 20 Dec 2017 15:02

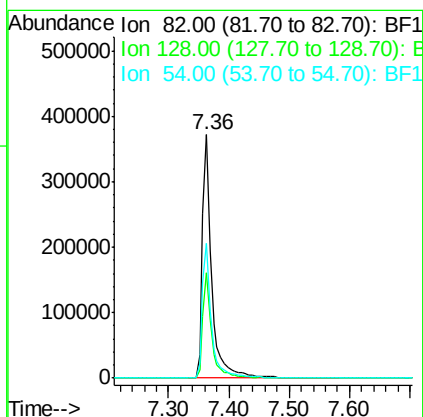
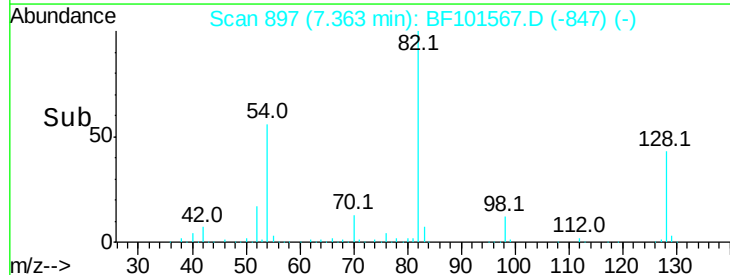
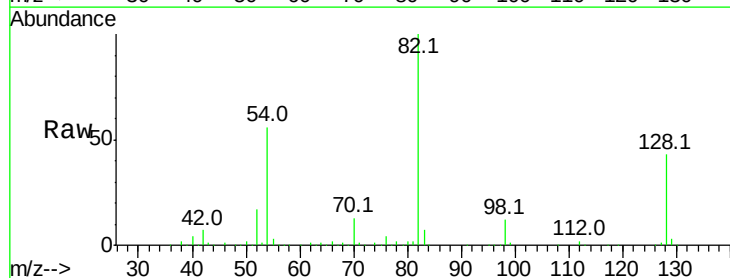
Instrument :
BNA_F
ClientSampleId :
PHMHA-WCS

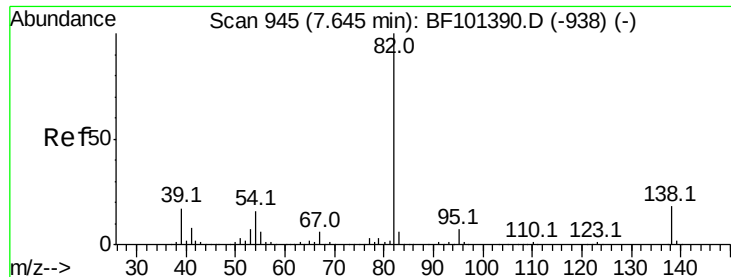
Tot Ion:	136	Resp:	558676
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	9.8	6.6	9.8
68	7.1	5.0	7.4



#23
Nitrobenzene-d5
Concen: 40.270 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF101567.D
Acq: 20 Dec 2017 15:02

Tgt Ion:	82	Resp:	404157
Ion	Ratio	Lower	Upper
82	100		
128	43.1	36.1	54.1
54	55.6	41.4	62.2





#25

Isophorone

Concen: 20.074 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF101567.D

Acq: 20 Dec 2017 15:02

Instrument :

BNA_F

ClientSampleId :

PHMHA-WCS

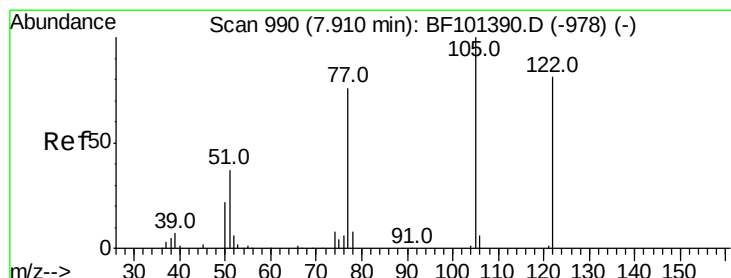
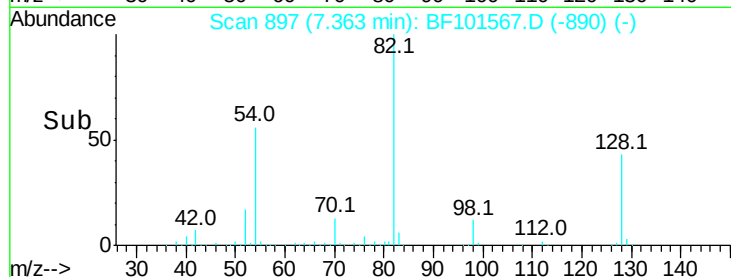
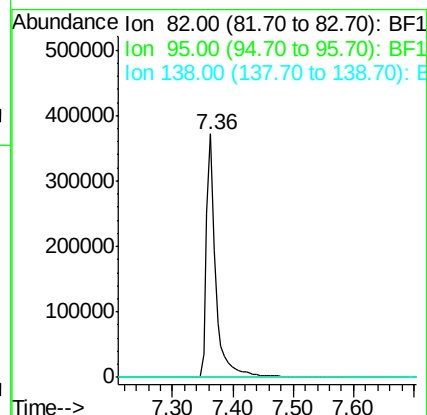
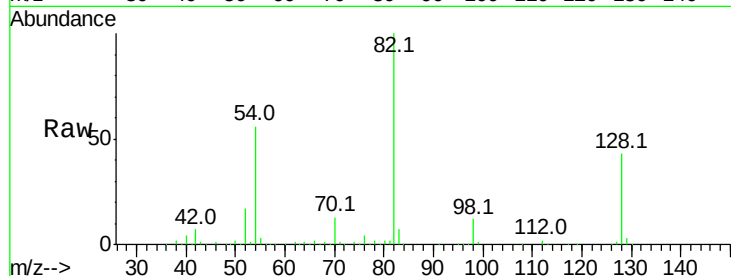
Tot Ion: 82 Resp: 404157

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



#32

Benzoic acid

Concen: 7.978 ng

RT: 8.07 min Scan# 1018

Delta R.T. 0.18 min

Lab File: BF101567.D

Acq: 20 Dec 2017 15:02

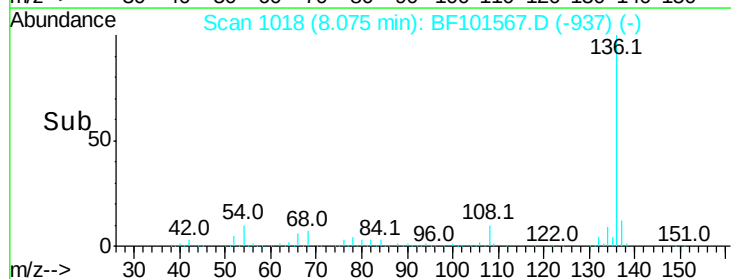
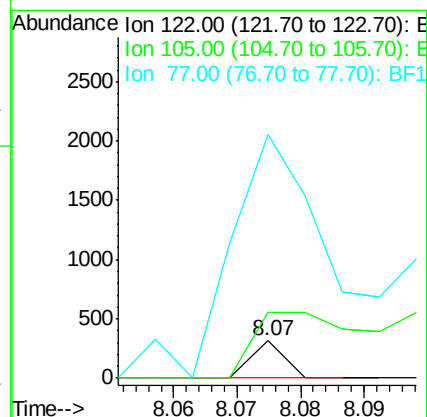
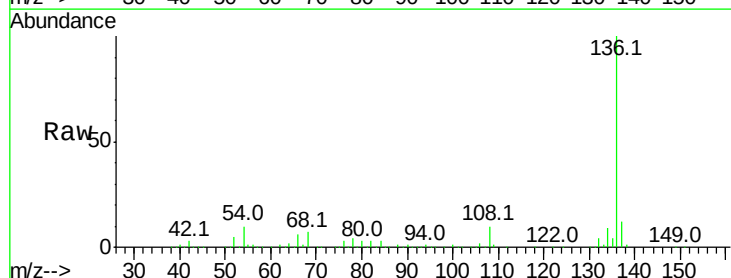
Tgt Ion:122 Resp: 111

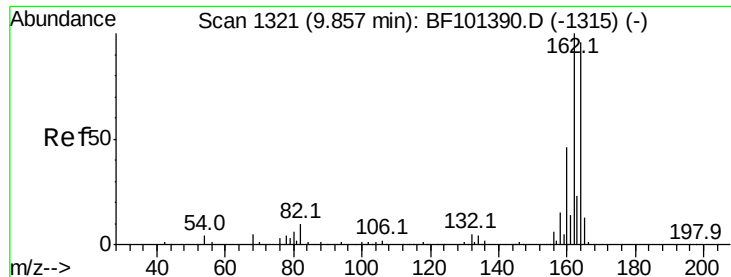
Ion Ratio Lower Upper

122 100

105 174.6 101.1 141.1#

77 652.4 70.7 110.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BF101567.D

Acq: 20 Dec 2017 15:02

Instrument :

BNA_F

ClientSampleId :

PHMHA-WCS

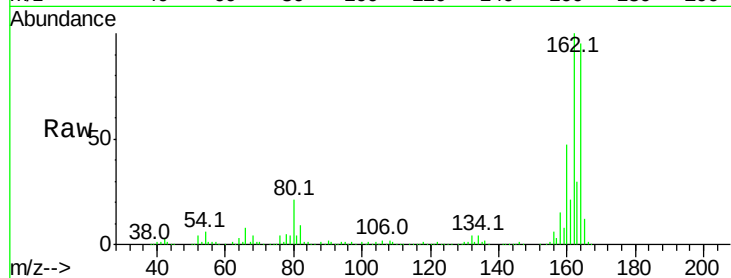
Tot Ion:164 Resp: 230347

Ion Ratio Lower Upper

164 100

162 105.3 86.1 129.1

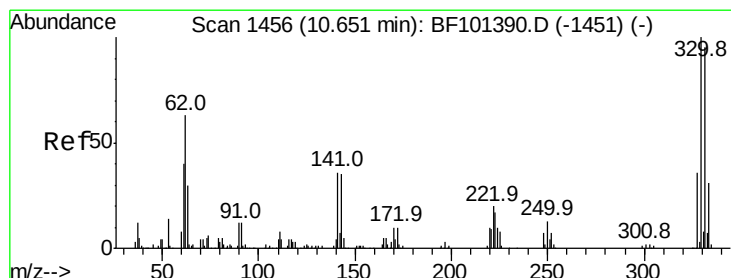
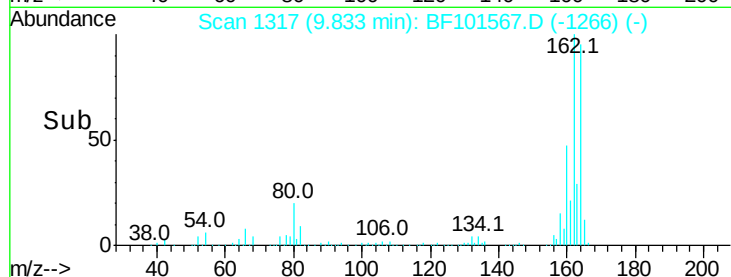
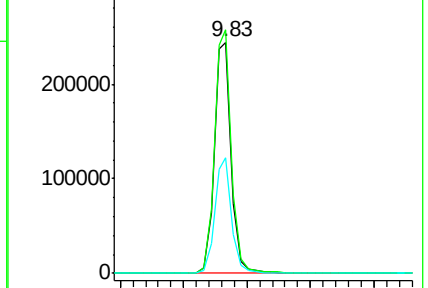
160 49.9 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 27.186 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF101567.D

Acq: 20 Dec 2017 15:02

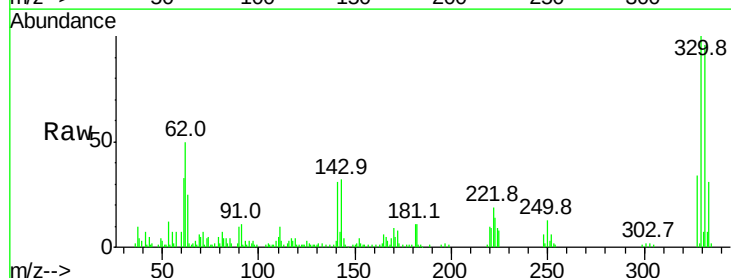
Tgt Ion:330 Resp: 60342

Ion Ratio Lower Upper

330 100

332 93.9 77.0 115.6

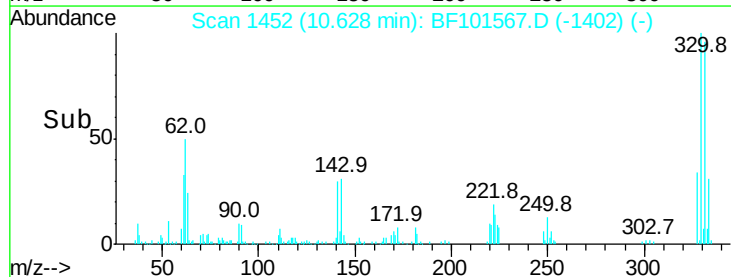
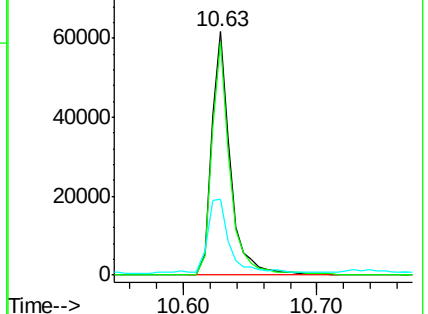
141 38.3 29.9 44.9

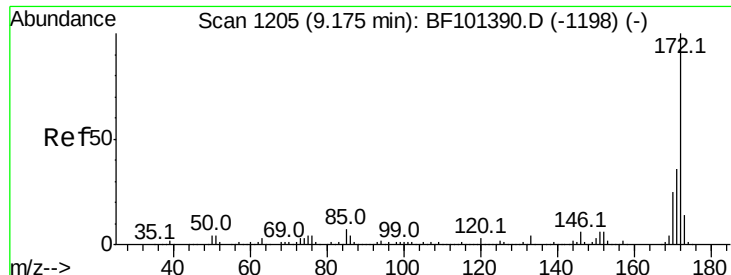


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

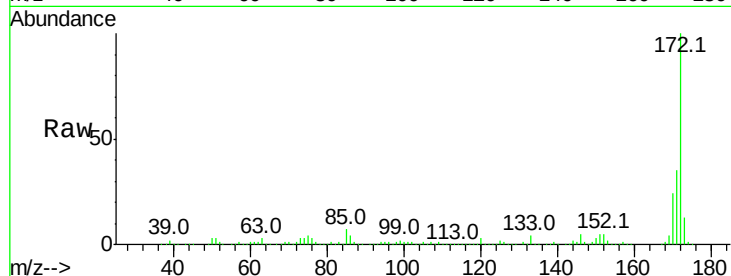




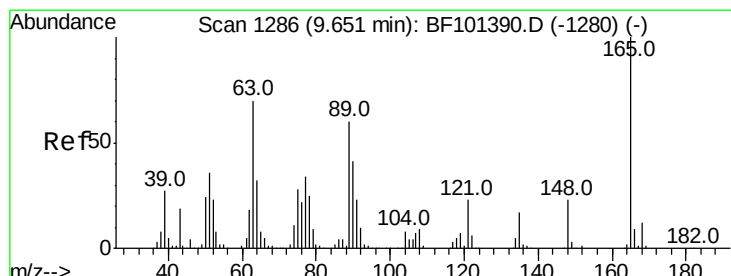
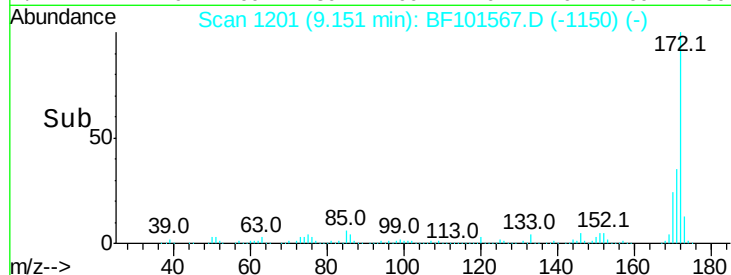
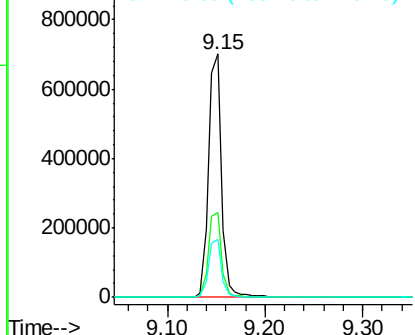
#44
 2-Fluorobiphenyl
 Concen: 43.977 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: BF101567.D
 Acq: 20 Dec 2017 15:02

Instrument :
 BNA_F
 ClientSampleId :
 PHMHA-WCS

Tot Ion:172 Resp: 653019
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.7 44.5
 170 23.7 19.6 29.4

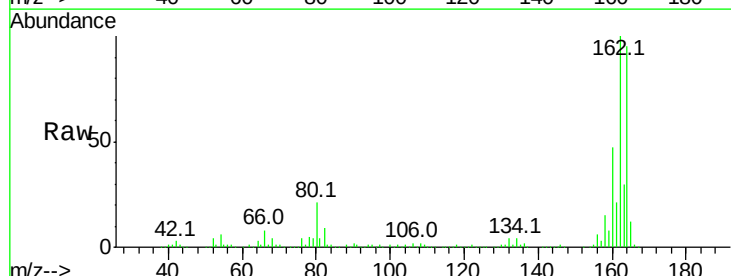


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

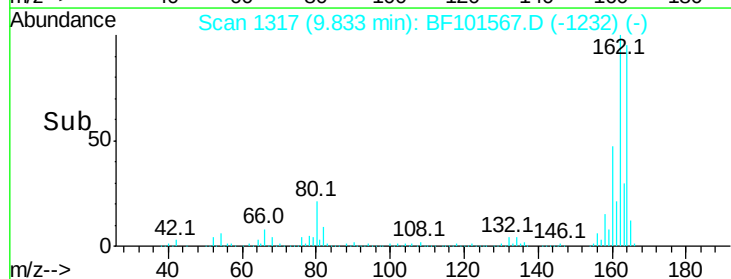
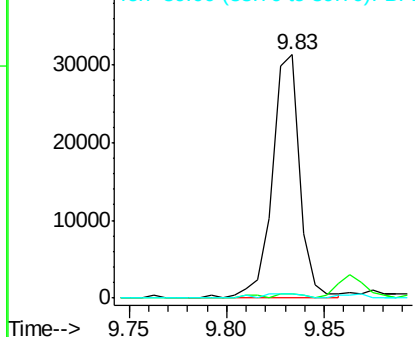


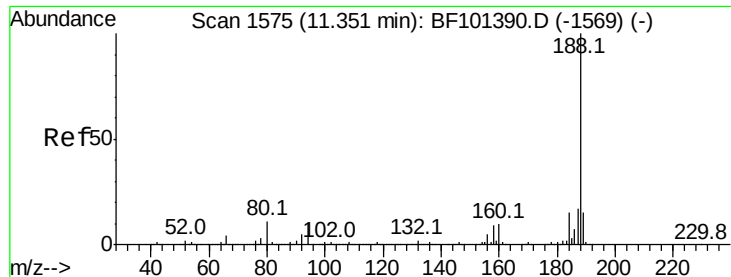
#50
 2,6-Dinitrotoluene
 Concen: 8.142 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.20 min
 Lab File: BF101567.D
 Acq: 20 Dec 2017 15:02

Tgt Ion:165 Resp: 30659
 Ion Ratio Lower Upper
 165 100
 63 1.5 44.7 67.1#
 89 2.0 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

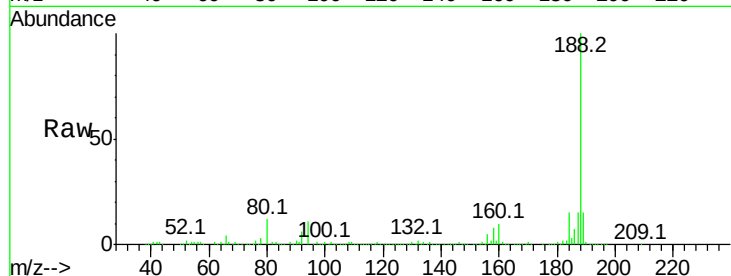




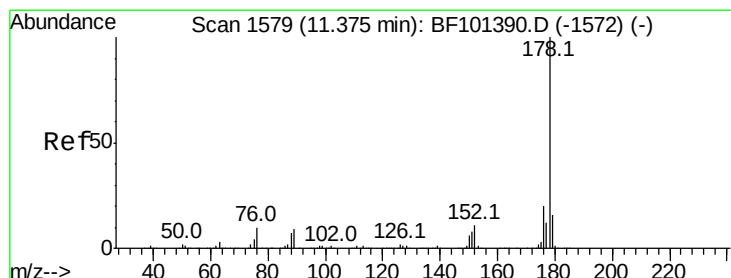
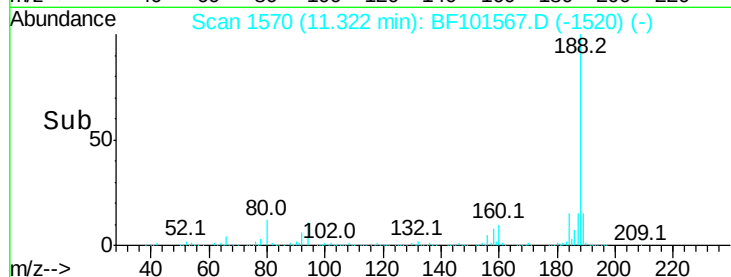
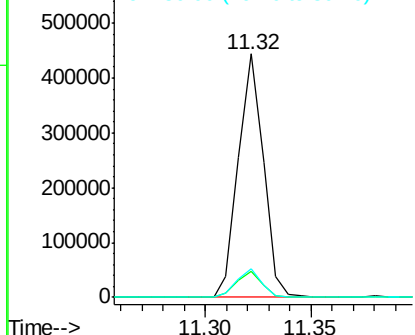
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF101567.D
Acq: 20 Dec 2017 15:02

Instrument :
BNA_F
ClientSampleId :
PHMHA-WCS

Tot Ion:188 Resp: 365554
Ion Ratio Lower Upper
188 100
94 10.6 8.5 12.7
80 11.7 9.2 13.8

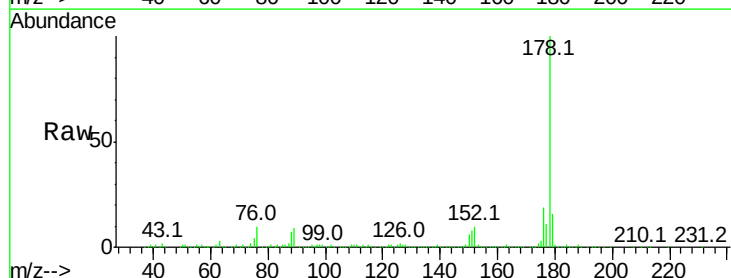


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

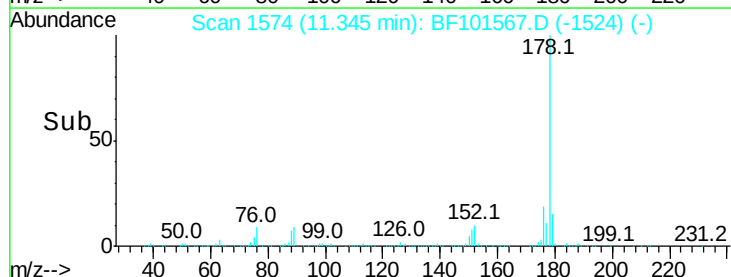
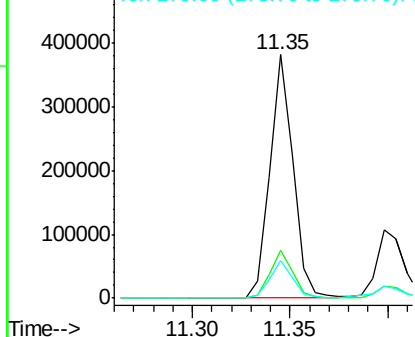


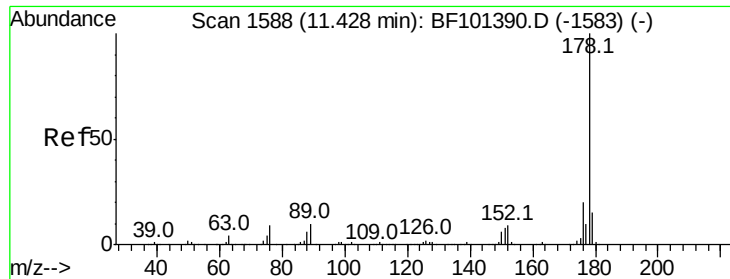
#70
Phenanthrene
Concen: 15.396 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF101567.D
Acq: 20 Dec 2017 15:02

Tgt Ion:178 Resp: 312989
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.5 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

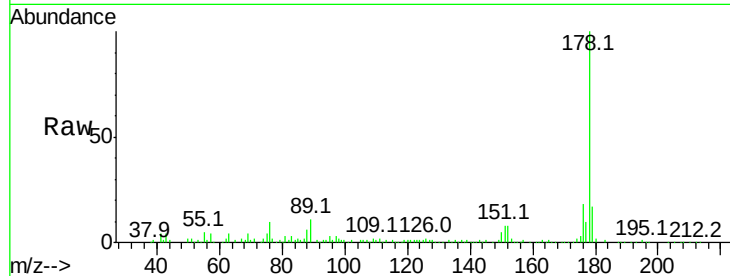




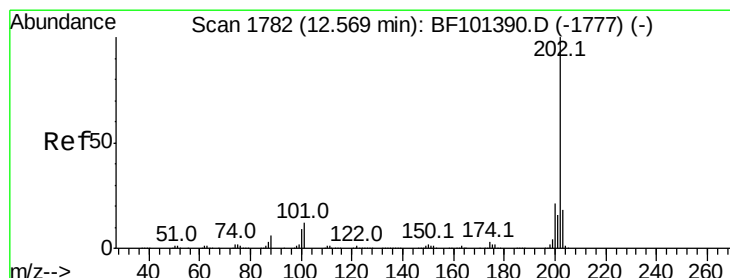
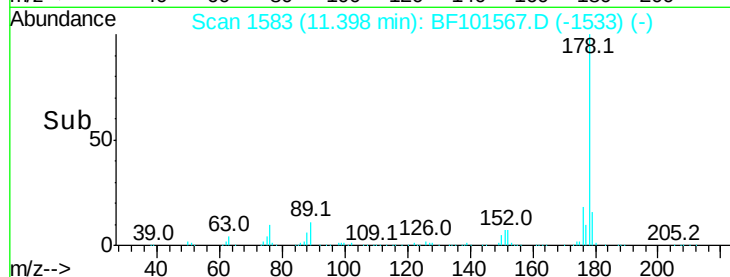
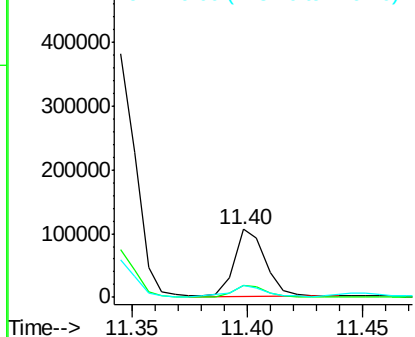
#71
 Anthracene
 Concen: 4.757 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF101567.D
 Acq: 20 Dec 2017 15:02

Instrument :
 BNA_F
 ClientSampleId :
 PHMHA-WCS

Tot Ion:178 Resp: 98781
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.2
 179 16.8 12.6 19.0

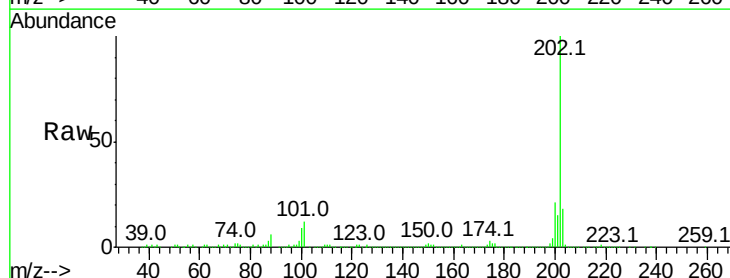


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

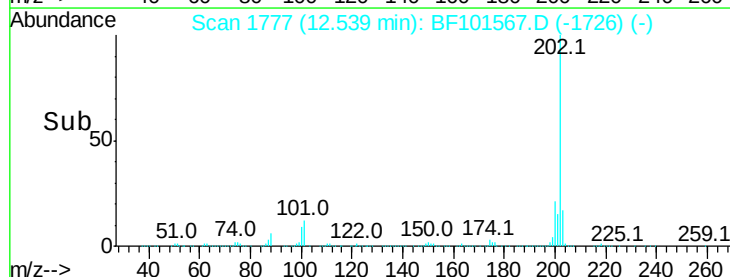
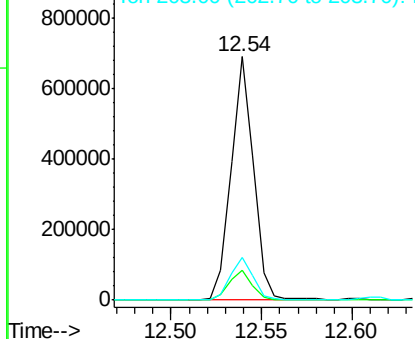


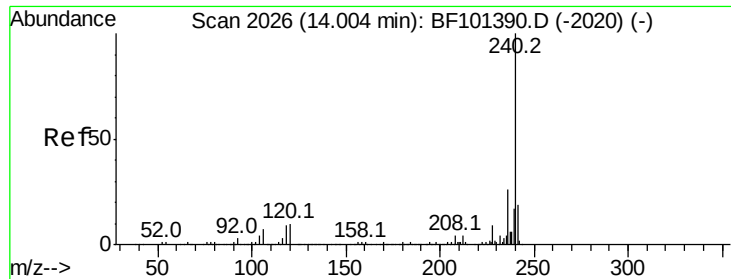
#74
 Fluoranthene
 Concen: 27.950 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: BF101567.D
 Acq: 20 Dec 2017 15:02

Tgt Ion:202 Resp: 596405
 Ion Ratio Lower Upper
 202 100
 101 12.3 0.0 34.1
 203 17.5 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF101567.D

Acq: 20 Dec 2017 15:02

Instrument :

BNA_F

ClientSampleId :

PHMHA-WCS

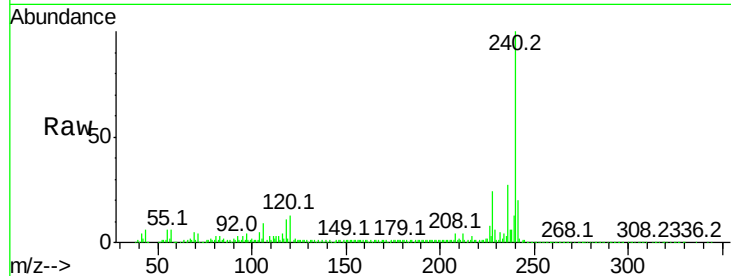
Tot Ion:240 Resp: 260031

Ion Ratio Lower Upper

240 100

120 13.5 9.5 14.3

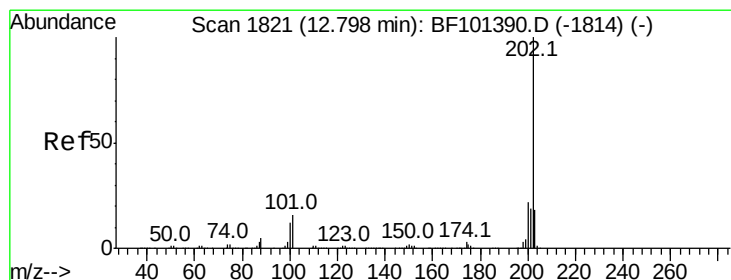
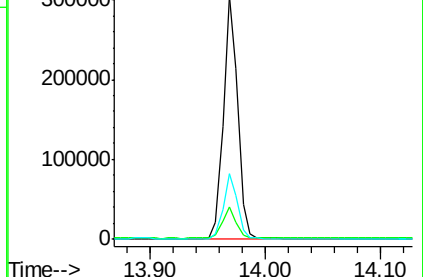
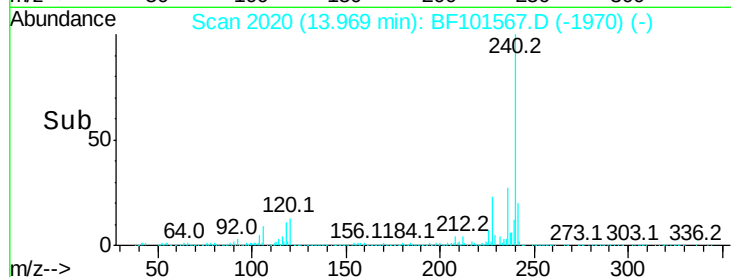
236 26.8 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 25.764 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF101567.D

Acq: 20 Dec 2017 15:02

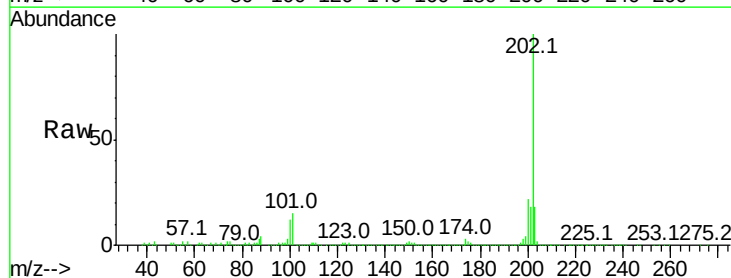
Tgt Ion:202 Resp: 502791

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

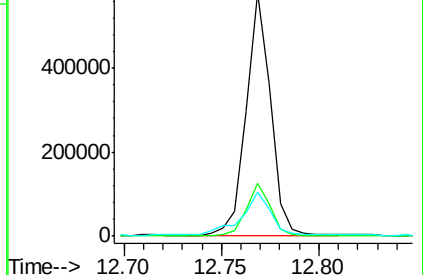
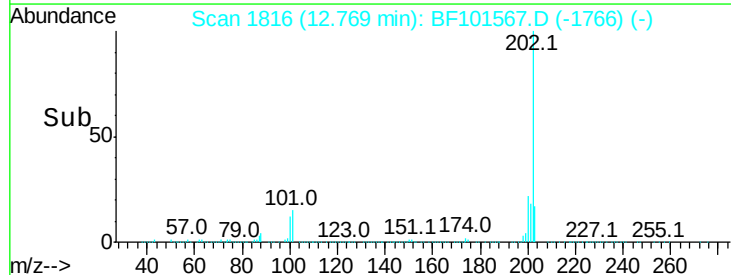
203 17.9 14.3 21.5

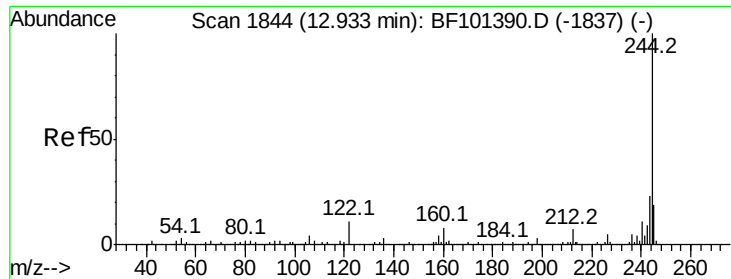


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 41.964 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF101567.D

Acq: 20 Dec 2017 15:02

Instrument :

BNA_F

ClientSampleId :

PHMHA-WCS

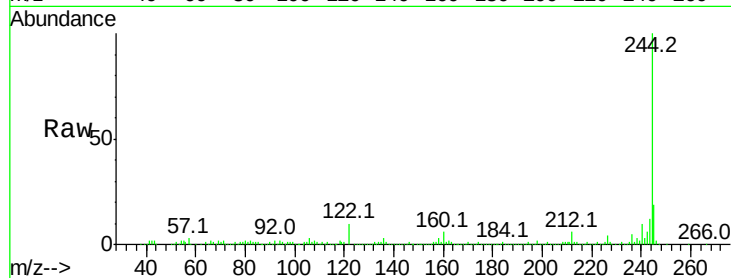
Tot Ion:244 Resp: 452636

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

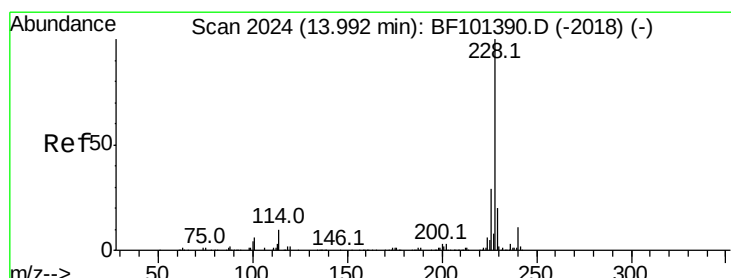
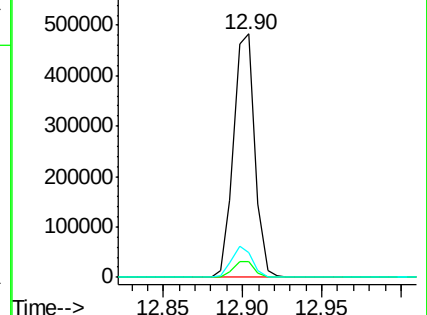
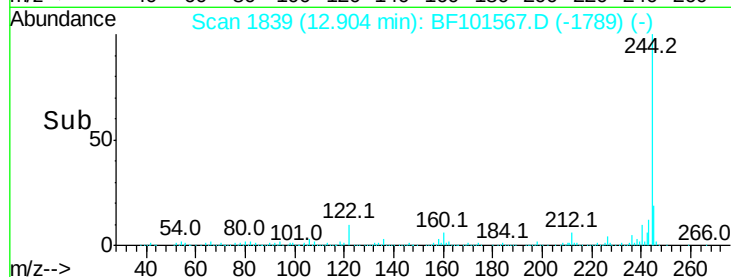
122 10.0 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 14.215 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF101567.D

Acq: 20 Dec 2017 15:02

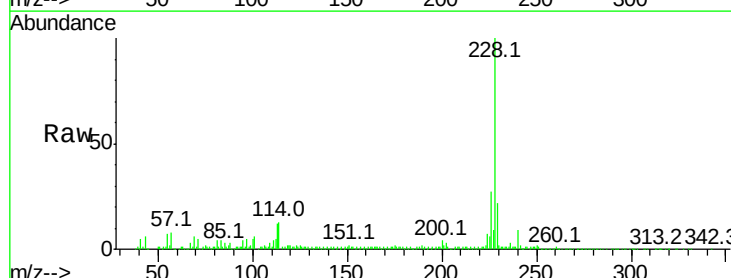
Tgt Ion:228 Resp: 244080

Ion Ratio Lower Upper

228 100

226 27.4 22.6 33.8

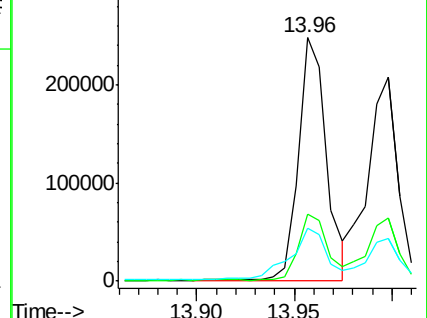
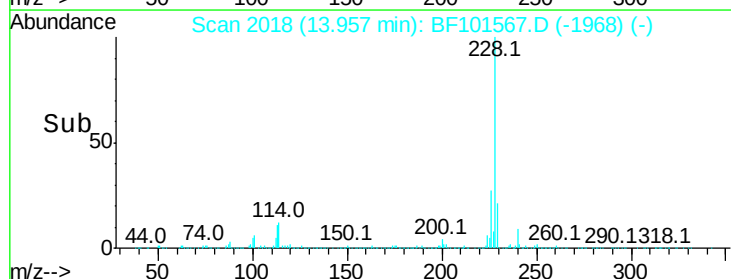
229 21.6 15.8 23.6

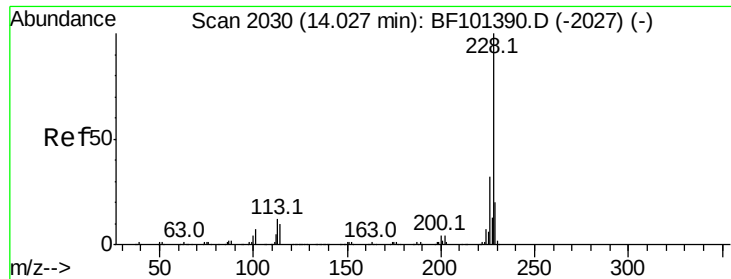


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 13.670 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF101567.D

Acq: 20 Dec 2017 15:02

Instrument :

BNA_F

ClientSampleId :

PHMHA-WCS

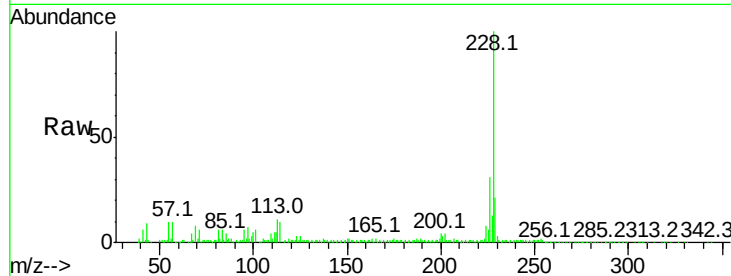
Tot Ion:228 Resp: 221621

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.6

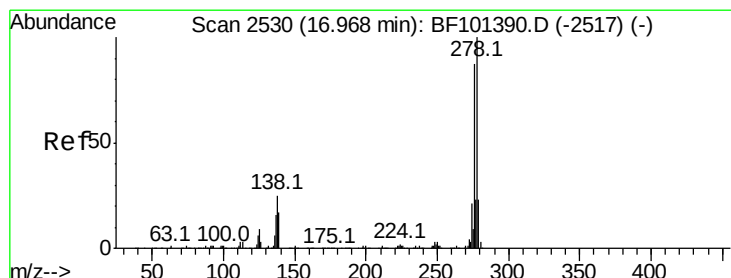
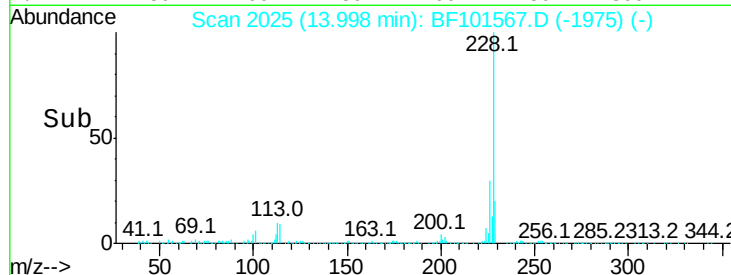
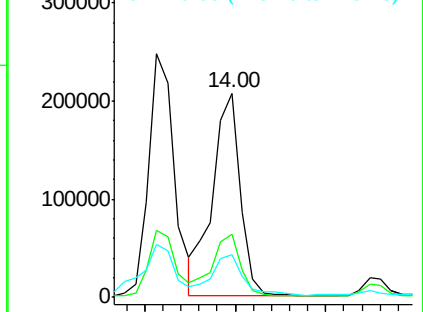
229 21.0 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 7.805 ng

RT: 16.92 min Scan# 2521

Delta R.T. 0.00 min

Lab File: BF101567.D

Acq: 20 Dec 2017 15:02

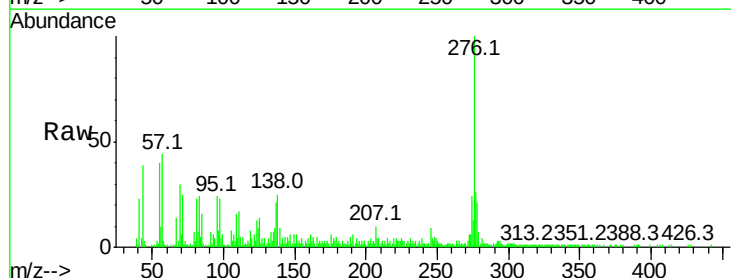
Tgt Ion:276 Resp: 112680

Ion Ratio Lower Upper

276 100

138 22.6 25.0 37.6#

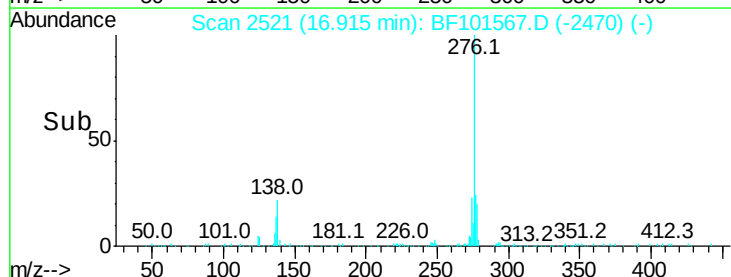
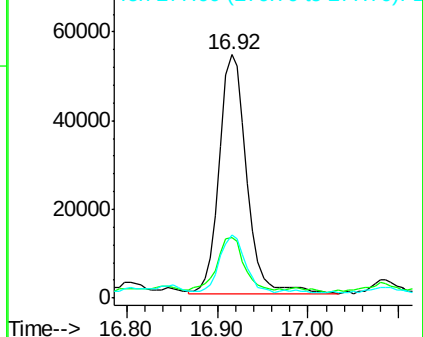
277 22.0 20.1 30.1

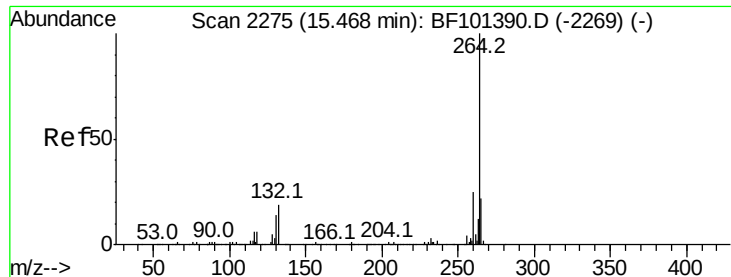


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. 0.01 min

Lab File: BF101567.D

Acq: 20 Dec 2017 15:02

Instrument :

BNA_F

ClientSampleId :

PHMHA-WCS

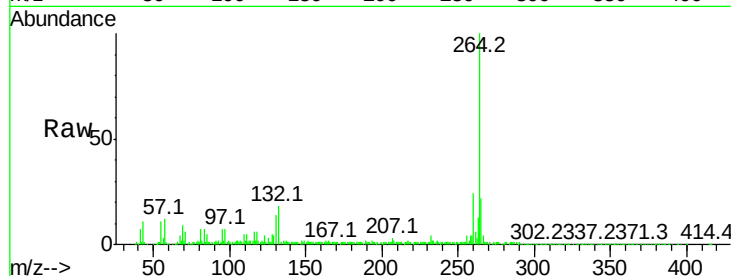
Tot Ion:264 Resp: 284722

Ion Ratio Lower Upper

264 100

260 24.5 19.2 28.8

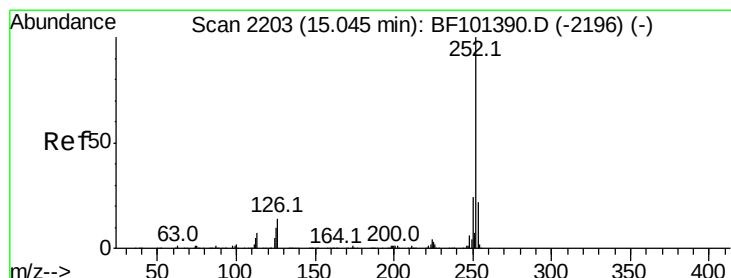
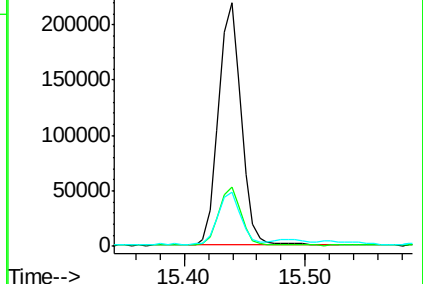
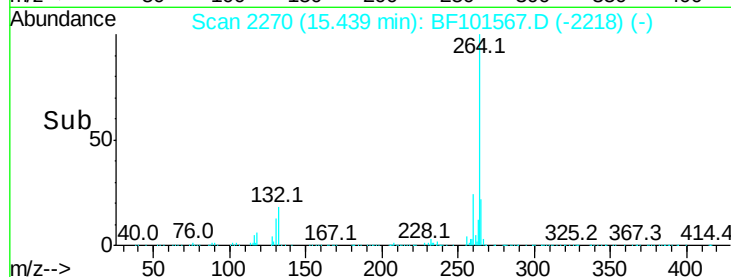
265 22.4 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 20.385 ng

RT: 15.01 min Scan# 2197

Delta R.T. 0.00 min

Lab File: BF101567.D

Acq: 20 Dec 2017 15:02

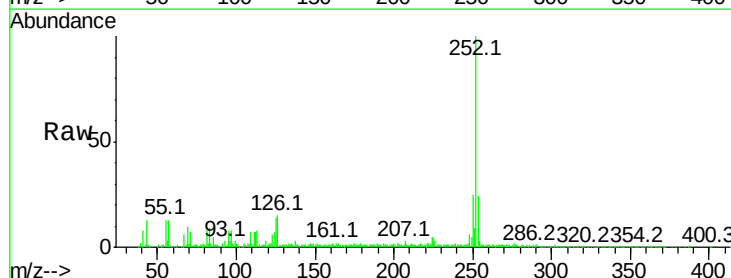
Tgt Ion:252 Resp: 353771

Ion Ratio Lower Upper

252 100

253 24.0 17.0 25.6

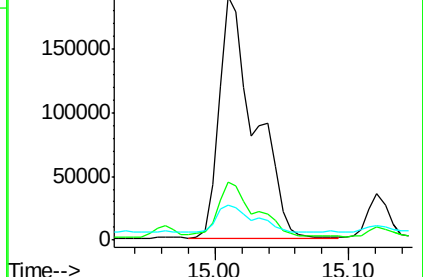
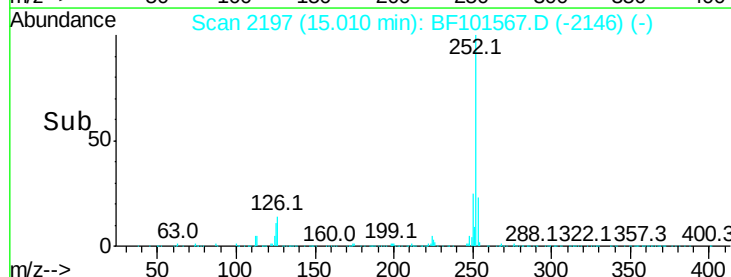
125 14.3 9.0 13.6#

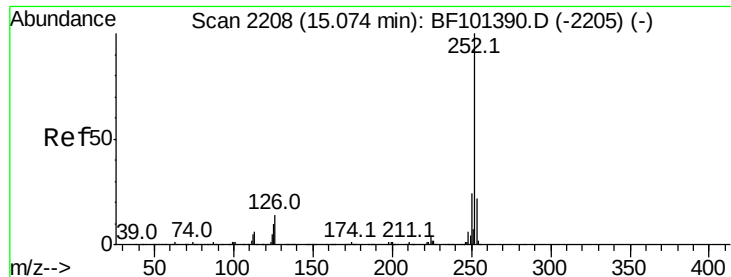


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

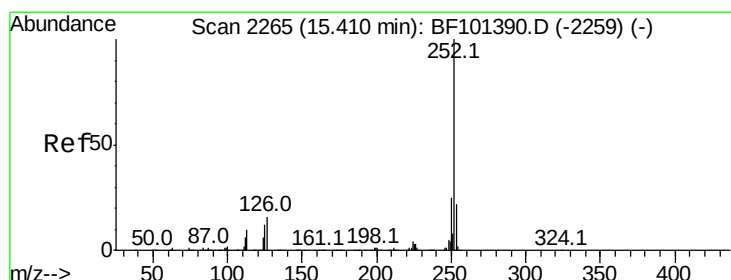
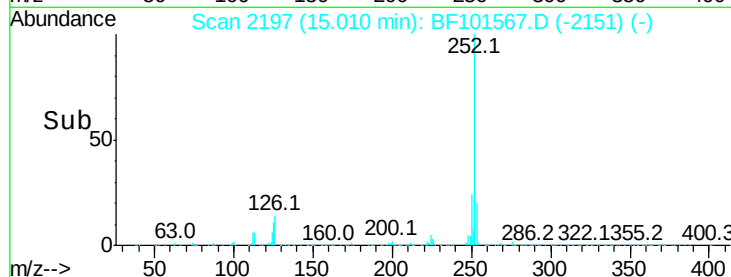
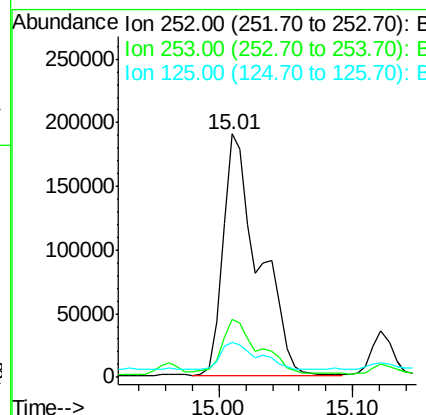
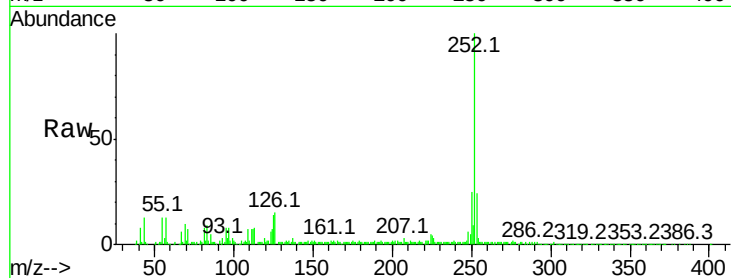




#88
Benzo(k)fluoranthene
Concen: 20.958 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.03 min
Lab File: BF101567.D
Acq: 20 Dec 2017 15:02

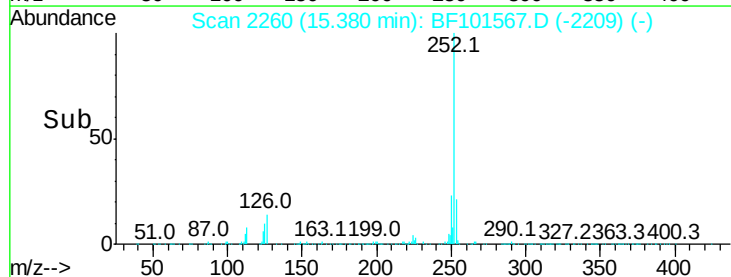
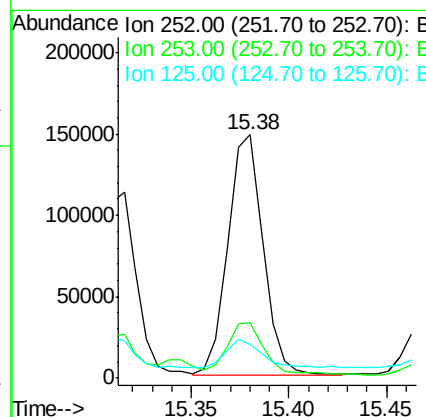
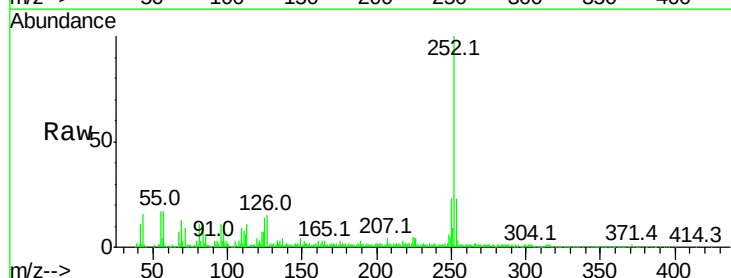
Instrument :
BNA_F
ClientSampleId :
PHMHA-WCS

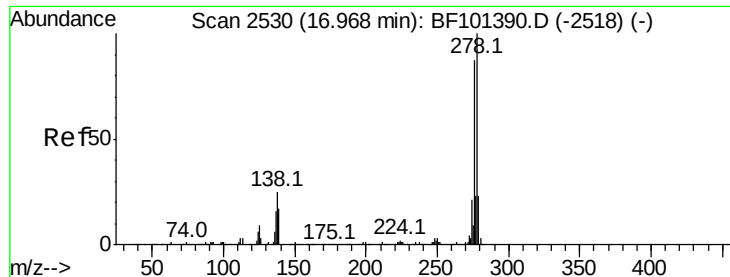
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	14.3	10.2	15.2



#89
Benzo(a)pyrene
Concen: 11.582 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.00 min
Lab File: BF101567.D
Acq: 20 Dec 2017 15:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	14.0	9.8	14.6

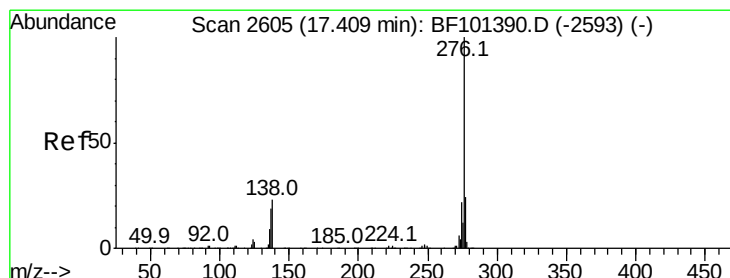
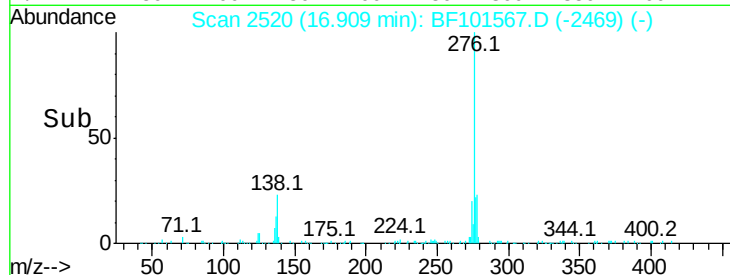
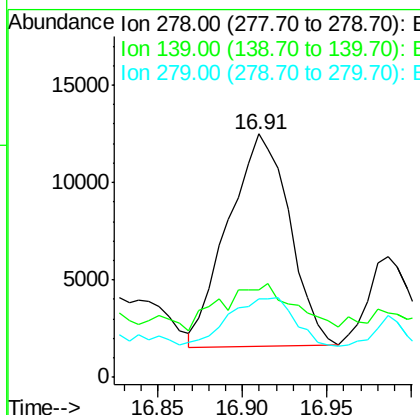
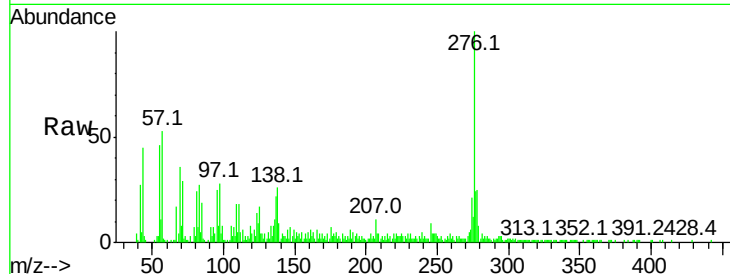




#90
Dibenzo(a,h)anthracene
Concen: 2.008 ng
RT: 16.91 min Scan# 2520
Delta R.T. 0.00 min
Lab File: BF101567.D
Acq: 20 Dec 2017 15:02

Instrument :
BNA_F
ClientSampleId :
PHMHA-WCS

Tot Ion:278 Resp: 27580
Ion Ratio Lower Upper
278 100
139 36.1 15.9 23.9#
279 32.3 19.0 28.4#



#91
Benzo(g,h,i)perylene
Concen: 7.297 ng
RT: 17.36 min Scan# 2597
Delta R.T. 0.01 min
Lab File: BF101567.D
Acq: 20 Dec 2017 15:02

Tgt Ion:276 Resp: 99244
Ion Ratio Lower Upper
276 100
277 25.2 17.9 26.9
138 25.4 21.8 32.8

