

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121917\
 Data File : BF101535.D
 Acq On : 19 Dec 2017 21:03
 Operator : SJ/JU
 Sample : I6981-01 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PHMHA-WCS

Quant Time: Dec 20 06:59:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 18 15:38:59 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	155269	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	622683	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	246031	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	390039	20.00	ng	0.00
75) Chrysene-d12	13.99	240	314702	20.00	ng	0.00
86) Perylene-d12	15.46	264	319504	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	96586	9.27	ng	0.02
7) Phenol-d6	6.46	99	123159	9.49	ng	0.00
23) Nitrobenzene-d5	7.39	82	75239	6.73	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	9417	3.97	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	147112	9.28	ng	0.00
78) Terphenyl-d14	12.92	244	98906	7.58	ng	0.00

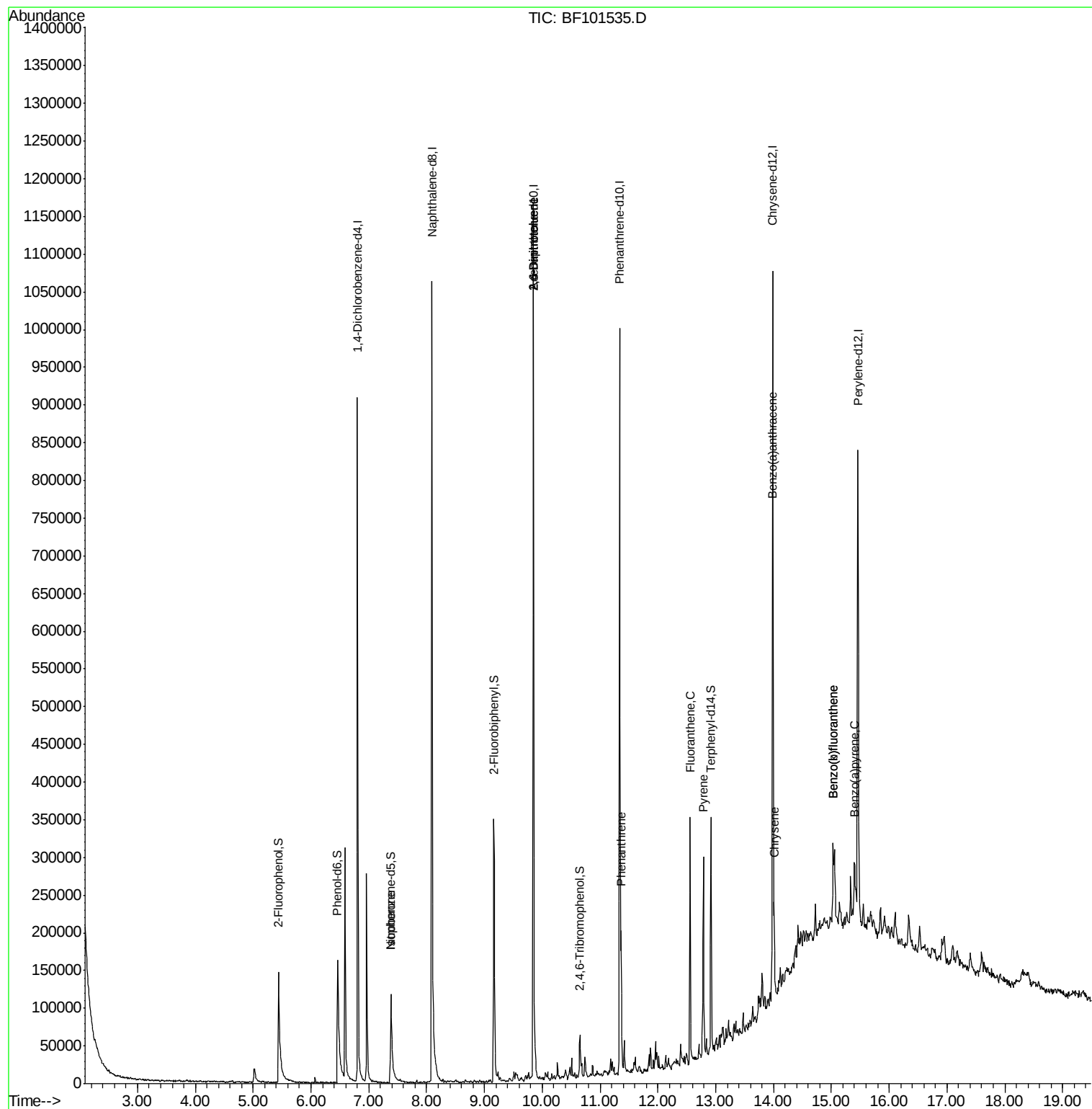
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.39	82	75239	3.353	ng	# 64
50) 2,6-Dinitrotoluene	9.85	165	30956	7.696	ng	# 26
56) 2,4-Dinitrotoluene	9.85	165	30956	6.831	ng	# 23
70) Phenanthrene	11.36	178	63076	2.908	ng	97
74) Fluoranthene	12.56	202	131879	5.792	ng	96
77) Pyrene	12.79	202	112069	4.745	ng	99
80) Benzo(a)anthracene	13.97	228	52982	2.550	ng	96
82) Chrysene	14.02	228	49451	2.520	ng	94
87) Benzo(b)fluoranthene	15.03	252	79109	4.062	ng	# 91
88) Benzo(k)fluoranthene	15.03	252	79109	4.178	ng	# 94
89) Benzo(a)pyrene	15.40	252	39466	2.198	ng	# 90

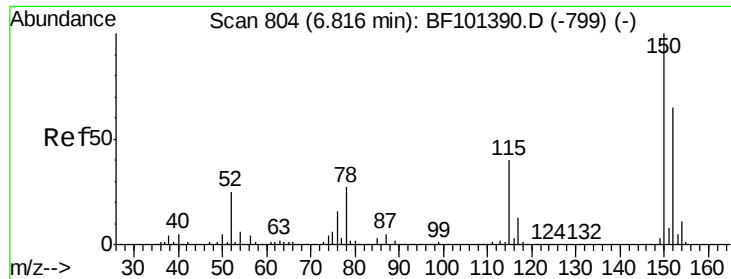
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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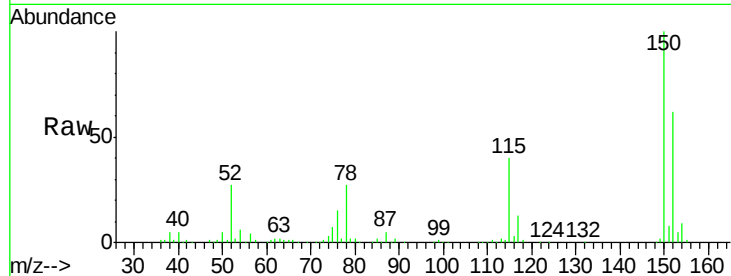


#1

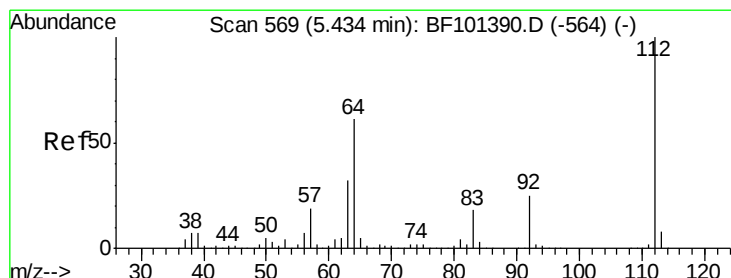
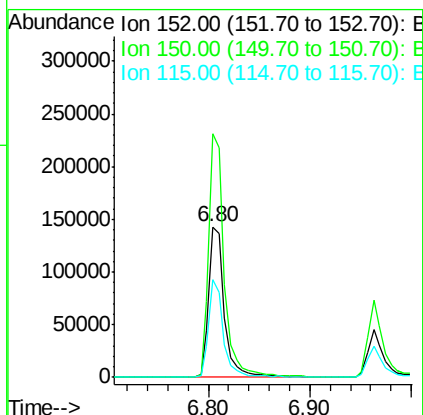
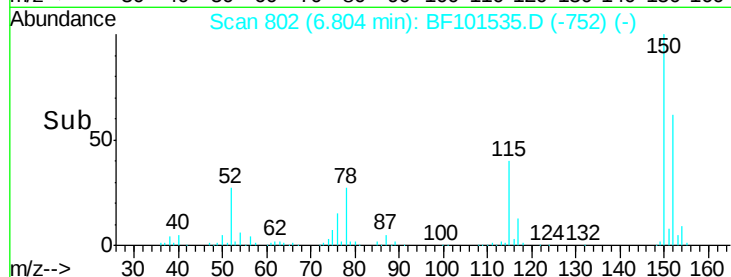
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF101535.D
Acq: 19 Dec 2017 21:03

Instrument :
BNA_F
ClientSampleId :
PHMHA-WCS

Tot Ion:152 Resp: 155269
Ion Ratio Lower Upper
152 100
150 161.4 124.6 186.8
115 65.1 50.1 75.1



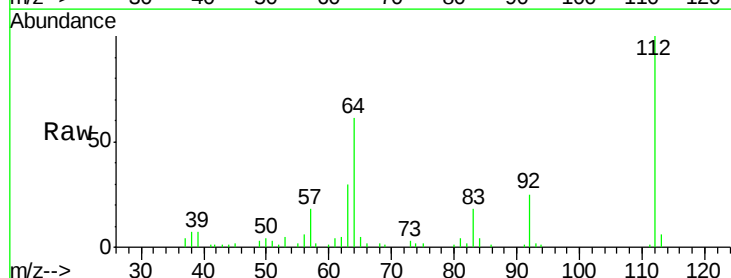
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



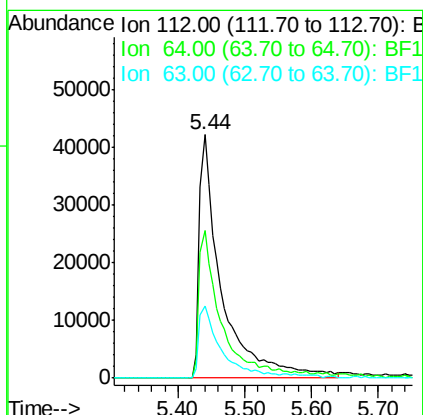
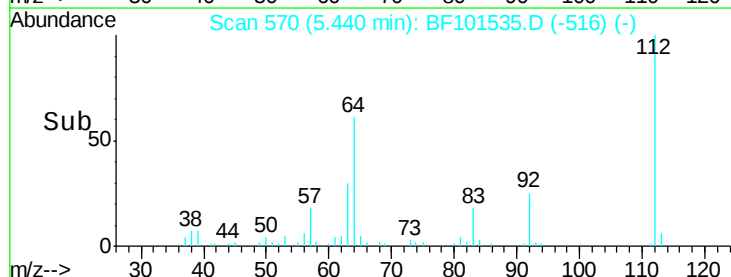
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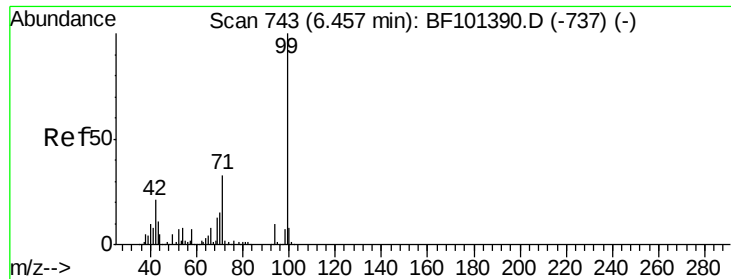
2-Fluorophenol
Concen: 9.266 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.02 min
Lab File: BF101535.D
Acq: 19 Dec 2017 21:03

Tgt Ion:112 Resp: 96586
Ion Ratio Lower Upper
112 100
64 60.8 47.9 71.9
63 29.8 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: 9.494 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF101535.D

Acq: 19 Dec 2017 21:03

Instrument :

BNA_F

ClientSampleId :

PHMHA-WCS

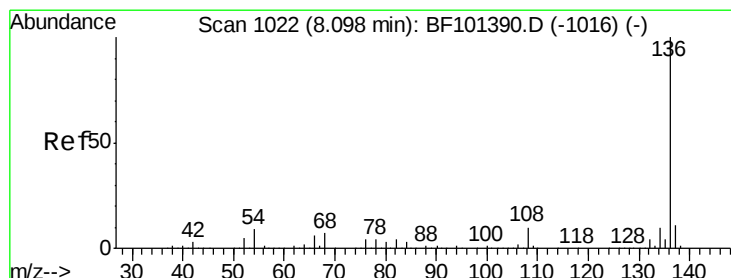
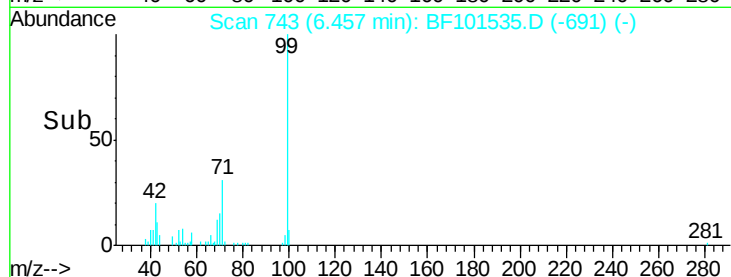
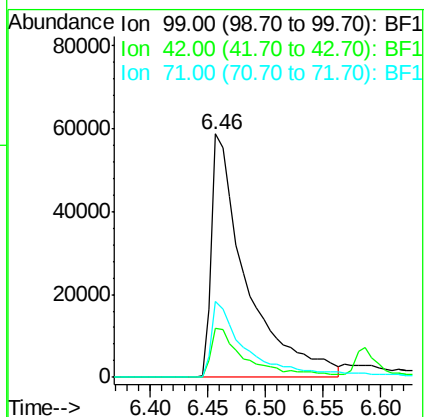
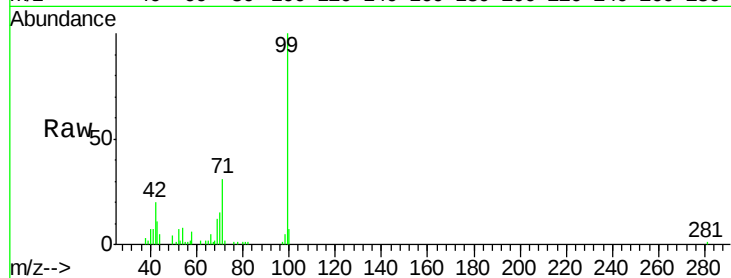
Tot Ion: 99 Resp: 123159

Ion Ratio Lower Upper

99 100

42 19.9 14.5 21.7

71 31.1 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BF101535.D

Acq: 19 Dec 2017 21:03

Tgt Ion: 136 Resp: 622683

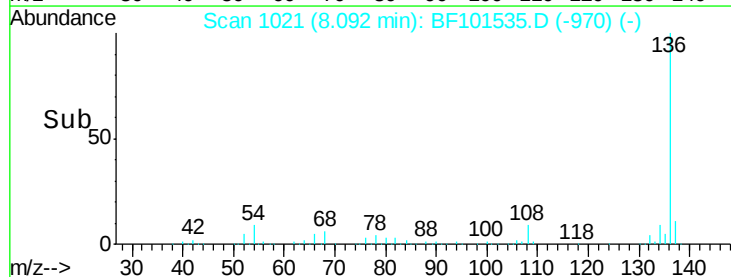
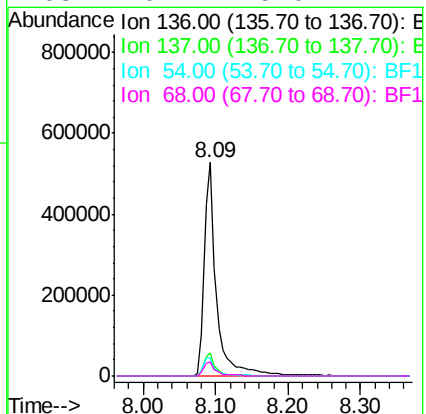
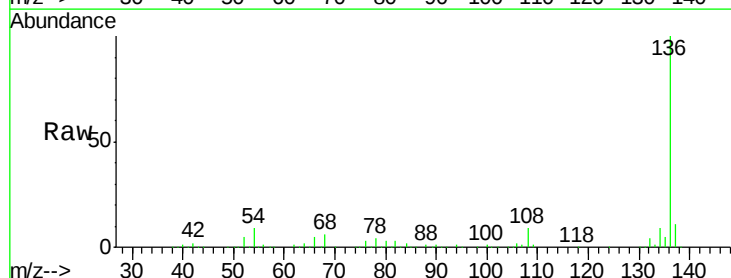
Ion Ratio Lower Upper

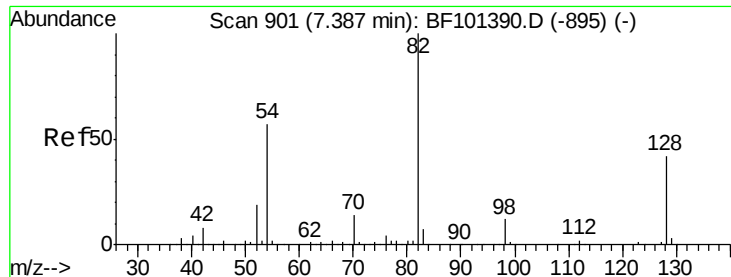
136 100

137 10.7 8.9 13.3

54 8.6 6.6 9.8

68 6.4 5.0 7.4

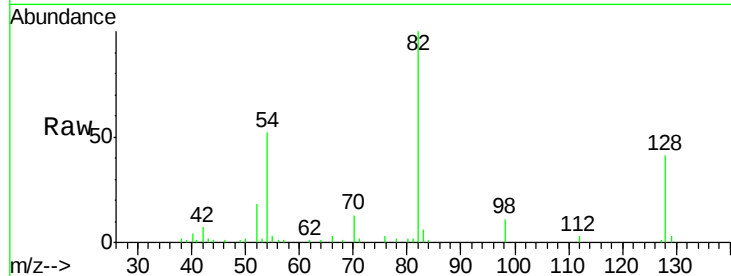




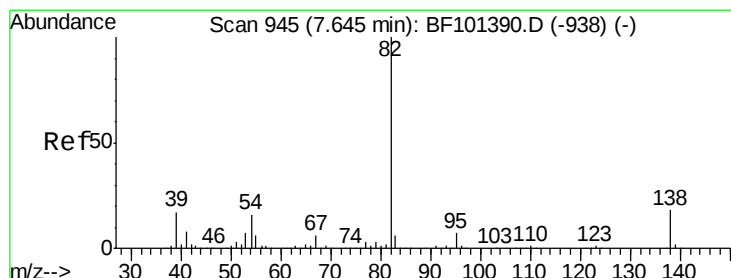
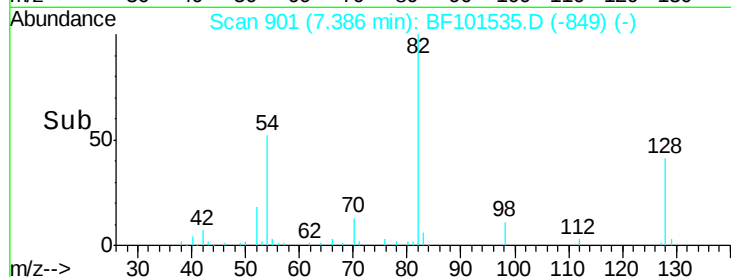
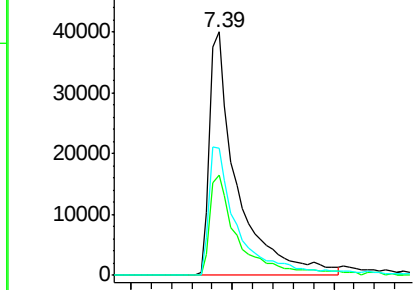
#23
Nitrobenzene-d5
Concen: 6.726 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.01 min
Lab File: BF101535.D
Acq: 19 Dec 2017 21:03

Instrument :
BNA_F
ClientSampleId :
PHMHA-WCS

Tot Ion: 82 Resp: 75239
Ion Ratio Lower Upper
82 100
128 41.1 36.1 54.1
54 52.1 41.4 62.2

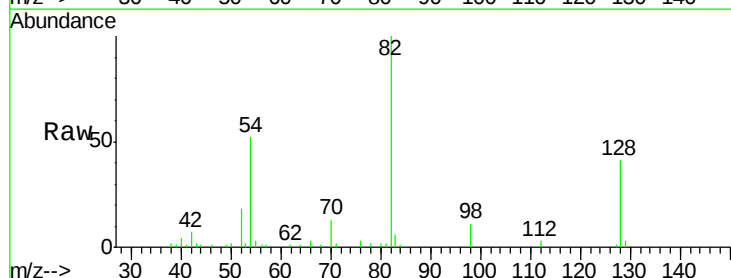


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

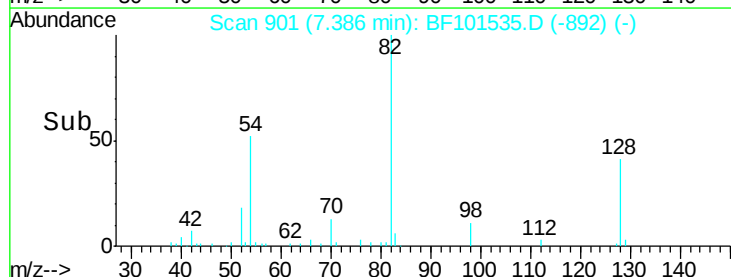
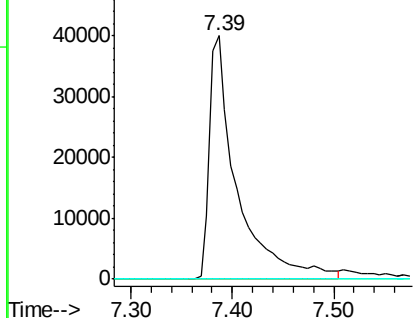


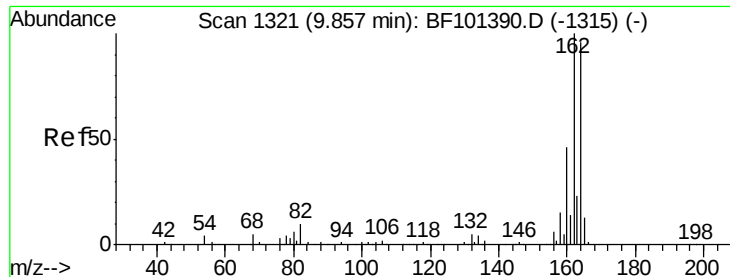
#25
Isophorone
Concen: 3.353 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.25 min
Lab File: BF101535.D
Acq: 19 Dec 2017 21:03

Tgt Ion: 82 Resp: 75239
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

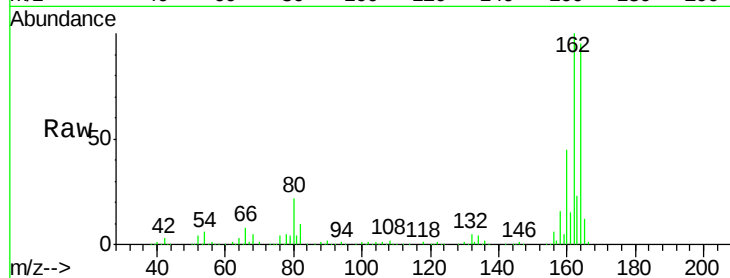




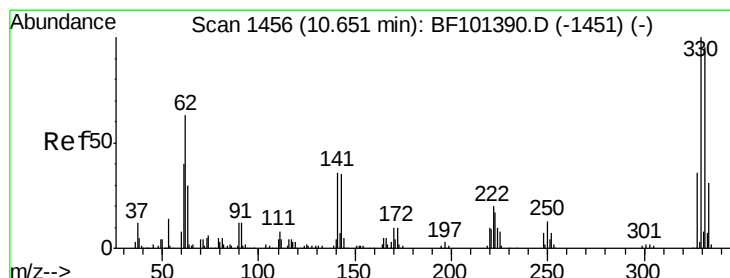
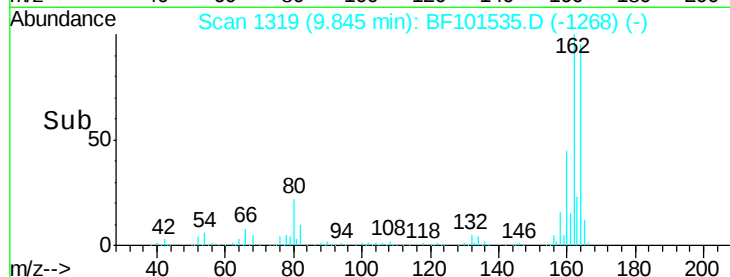
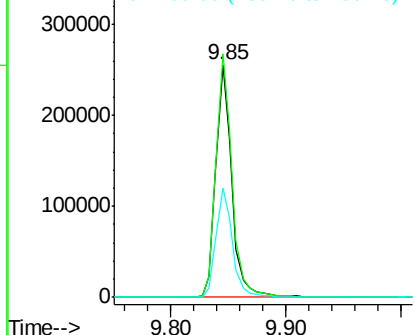
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.00 min
 Lab File: BF101535.D
 Acq: 19 Dec 2017 21:03

Instrument :
 BNA_F
 ClientSampleId :
 PHMHA-WCS

Tot Ion:164 Resp: 246031
 Ion Ratio Lower Upper
 164 100
 162 104.8 86.1 129.1
 160 47.1 38.3 57.5

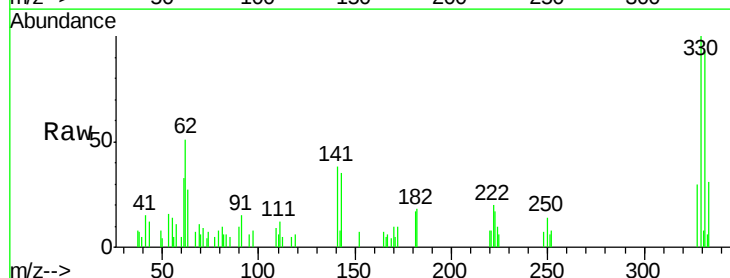


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

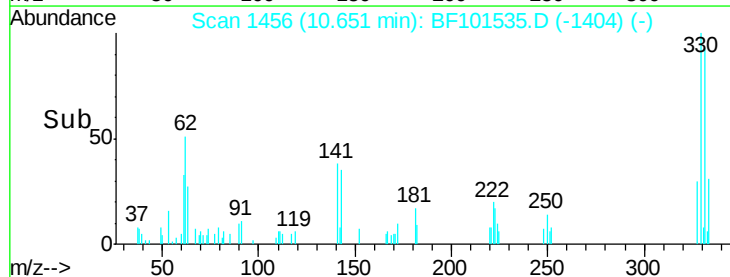
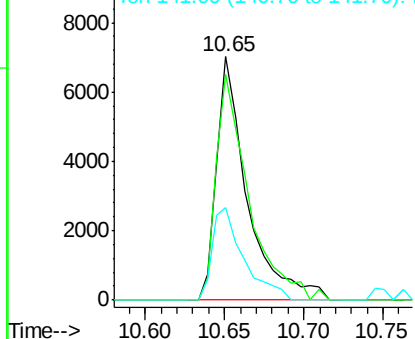


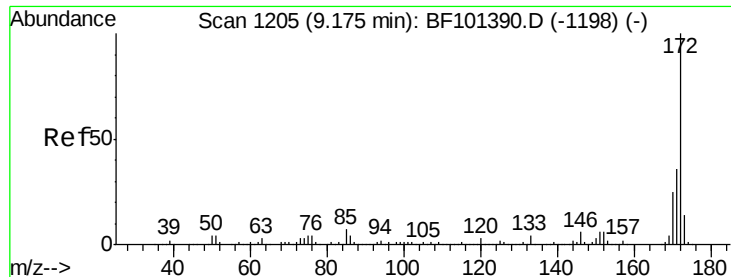
#41
 2,4,6-Tribromophenol
 Concen: 3.972 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. 0.01 min
 Lab File: BF101535.D
 Acq: 19 Dec 2017 21:03

Tgt Ion:330 Resp: 9417
 Ion Ratio Lower Upper
 330 100
 332 98.8 77.0 115.6
 141 38.9 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

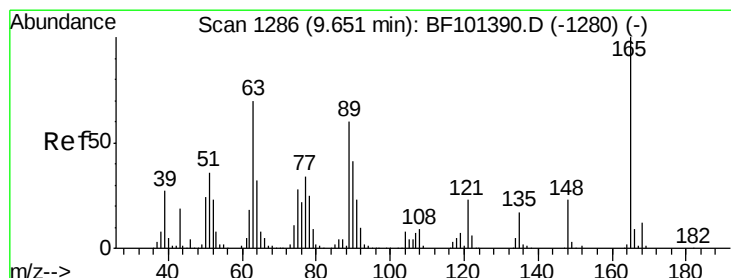
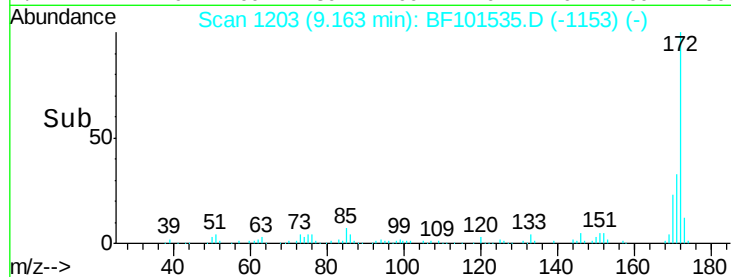
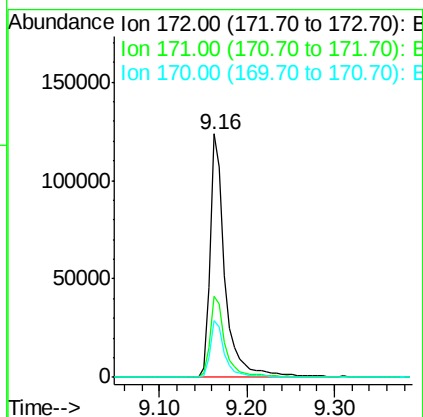
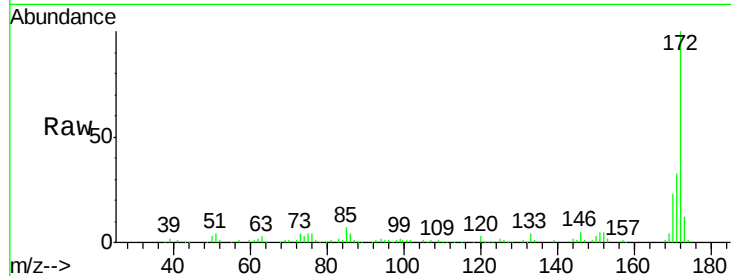




#44
 2-Fluorobiphenyl
 Concen: 9.276 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF101535.D
 Acq: 19 Dec 2017 21:03

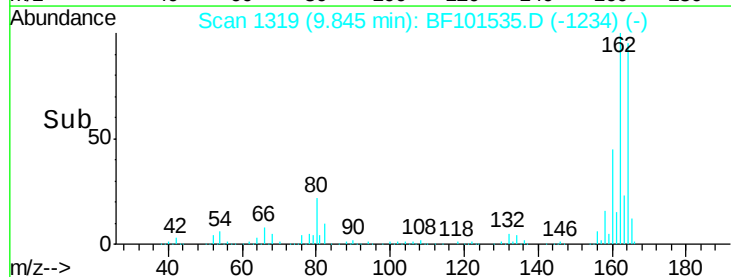
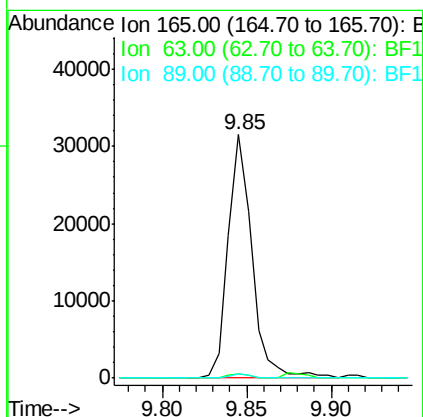
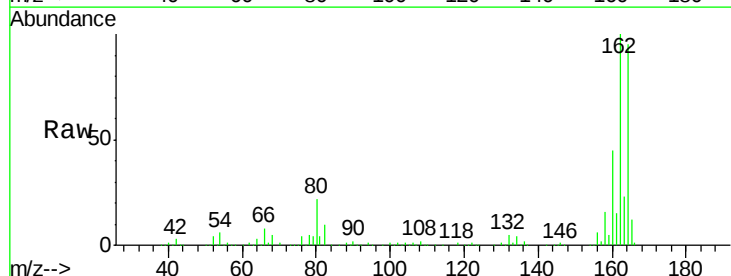
Instrument :
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 PHMHA-WCS

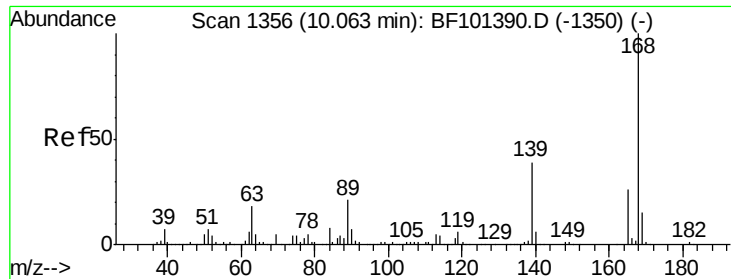
Tot Ion:172 Resp: 147112
 Ion Ratio Lower Upper
 172 100
 171 33.5 29.7 44.5
 170 23.2 19.6 29.4



#50
 2,6-Dinitrotoluene
 Concen: 7.696 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.20 min
 Lab File: BF101535.D
 Acq: 19 Dec 2017 21:03

Tgt Ion:165 Resp: 30956
 Ion Ratio Lower Upper
 165 100
 63 1.5 44.7 67.1#
 89 1.6 44.0 66.0#

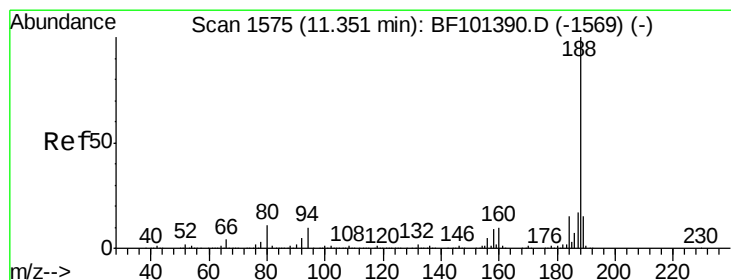
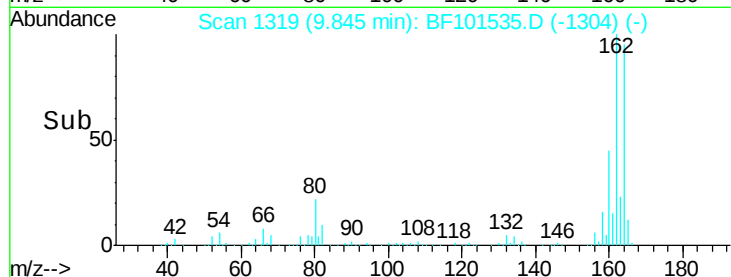
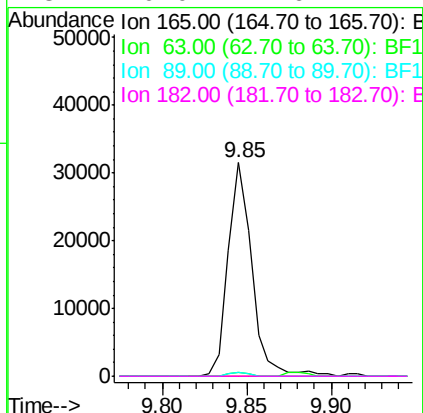
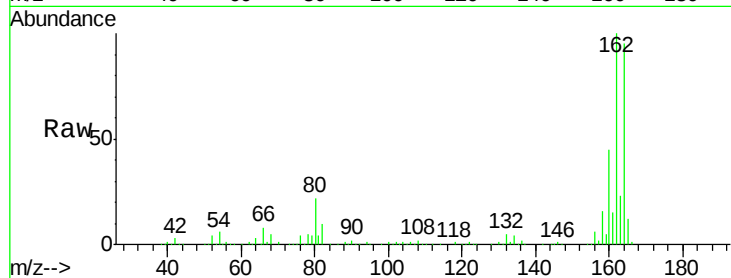




#56
2,4-Dinitrotoluene
Concen: 6.831 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.21 min
Lab File: BF101535.D
Acq: 19 Dec 2017 21:03

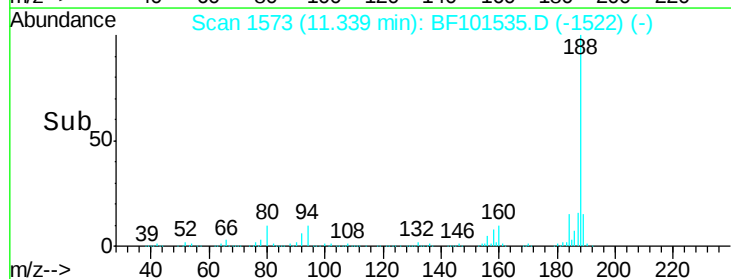
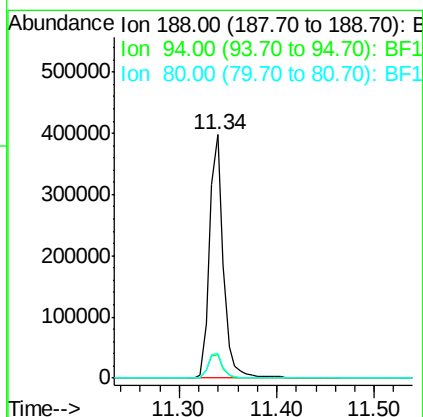
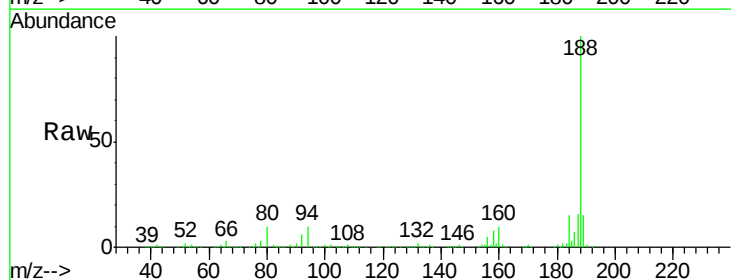
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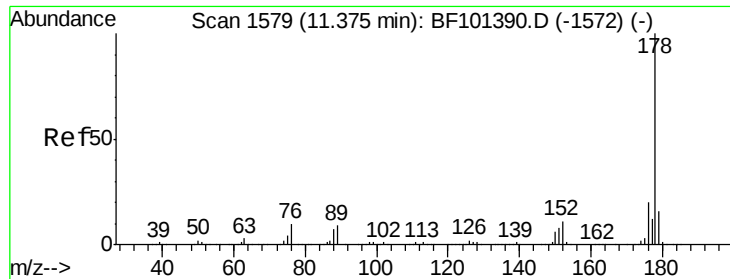
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF101535.D
Acq: 19 Dec 2017 21:03

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.5	12.7
80	10.1	9.2	13.8





#70

Phenanthrene

Concen: 2.908 ng

RT: 11.36 min Scan# 1577

Delta R.T. 0.00 min

Lab File: BF101535.D

Acq: 19 Dec 2017 21:03

Instrument :

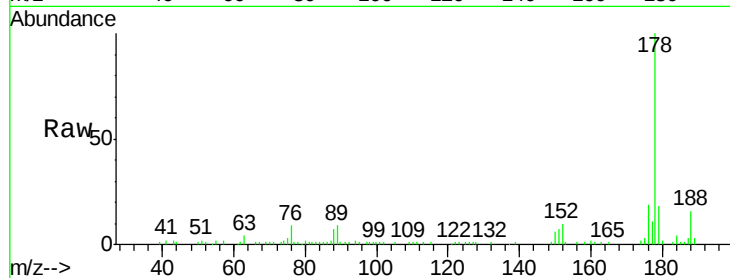
BNA_F

ClientSampleId :

PHMHA-WCS

Tot Ion:178 Resp: 63076

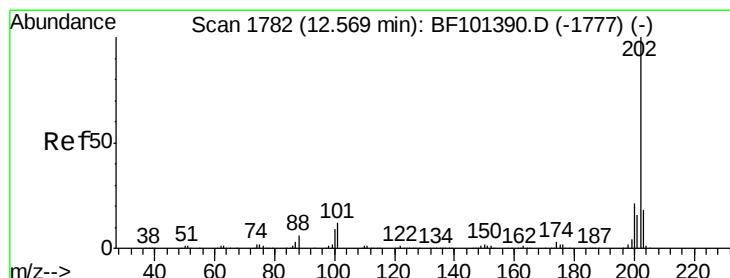
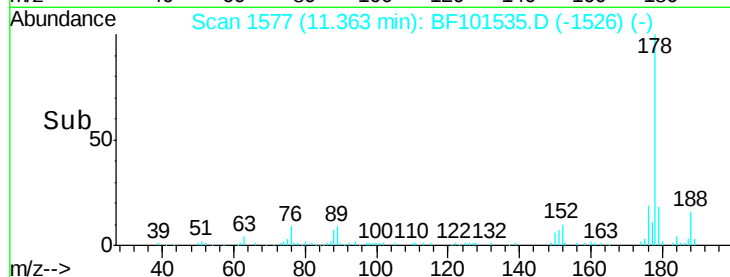
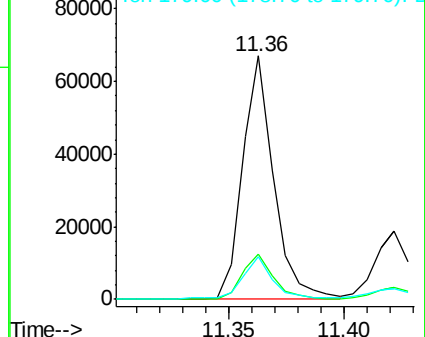
Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	17.5	13.0	19.6



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



#74

Fluoranthene

Concen: 5.792 ng

RT: 12.56 min Scan# 1780

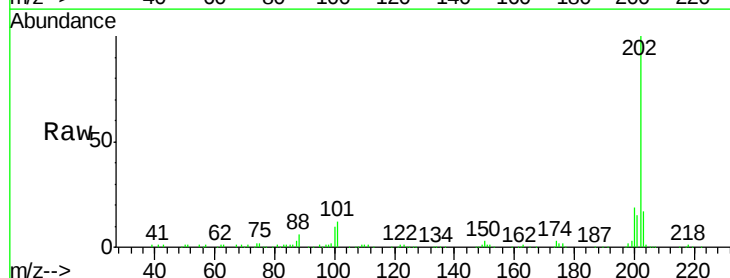
Delta R.T. 0.00 min

Lab File: BF101535.D

Acq: 19 Dec 2017 21:03

Tgt Ion:202 Resp: 131879

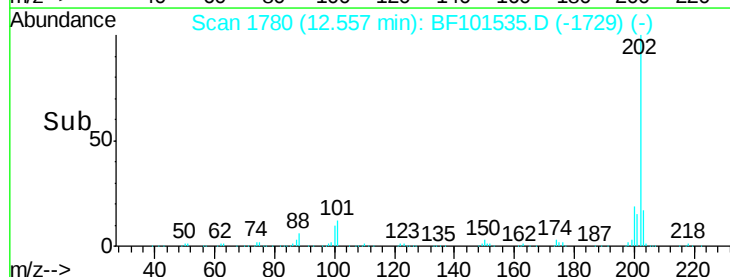
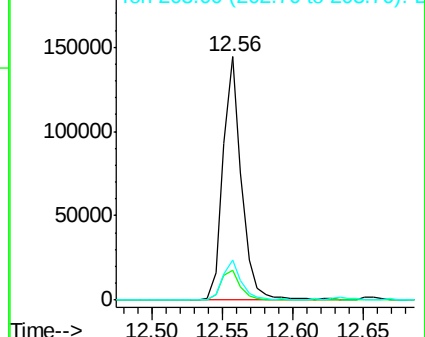
Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	34.1
203	16.7	0.0	38.1

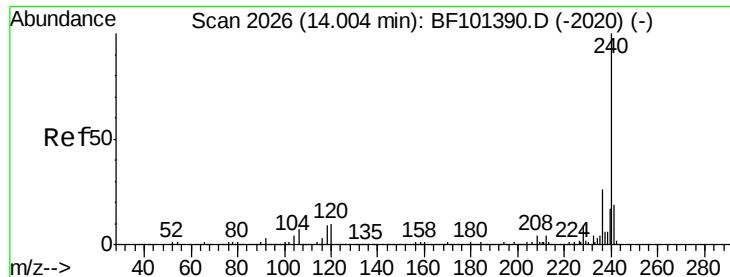


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.99 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BF101535.D

Acq: 19 Dec 2017 21:03

Instrument :

BNA_F

ClientSampleId :

PHMHA-WCS

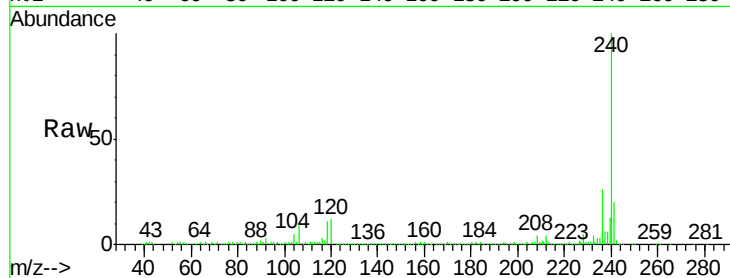
Tot Ion:240 Resp: 314702

Ion Ratio Lower Upper

240 100

120 11.8 9.5 14.3

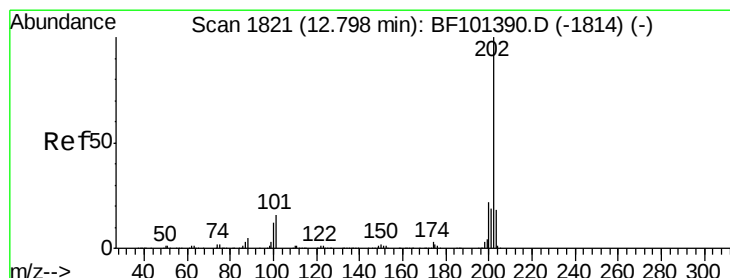
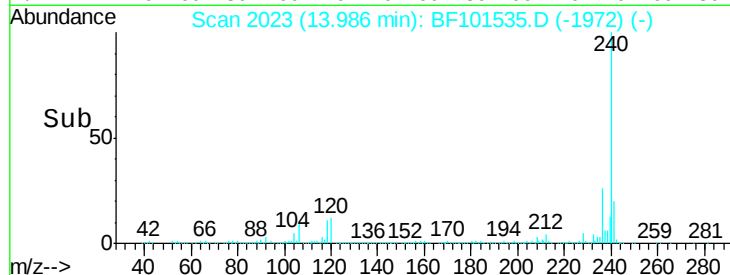
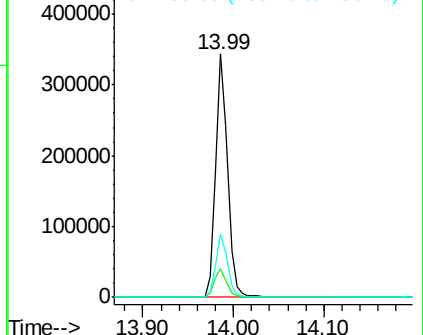
236 25.7 20.7 31.1



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: 4.745 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.00 min

Lab File: BF101535.D

Acq: 19 Dec 2017 21:03

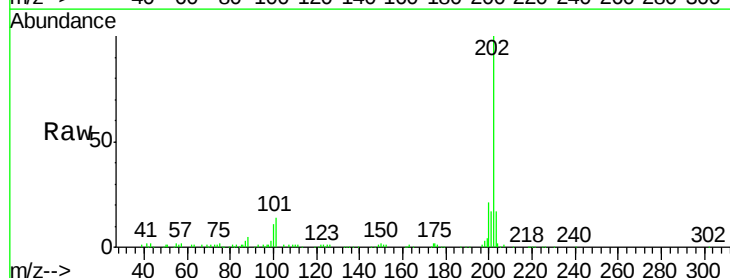
Tgt Ion:202 Resp: 112069

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

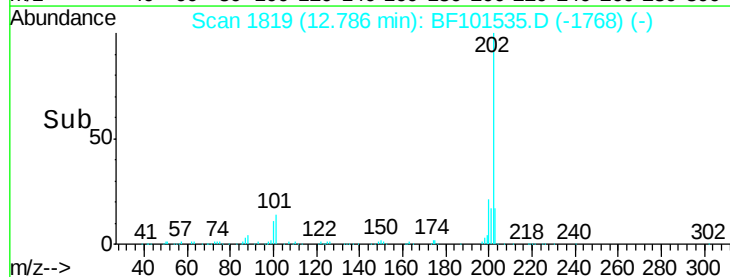
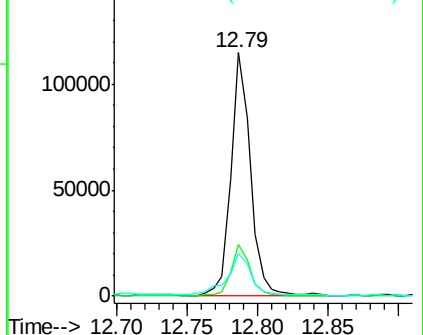
203 17.4 14.3 21.5

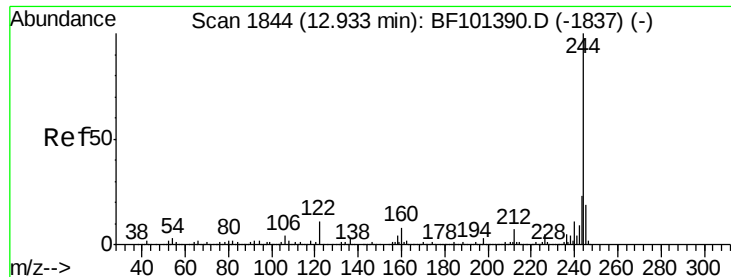


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

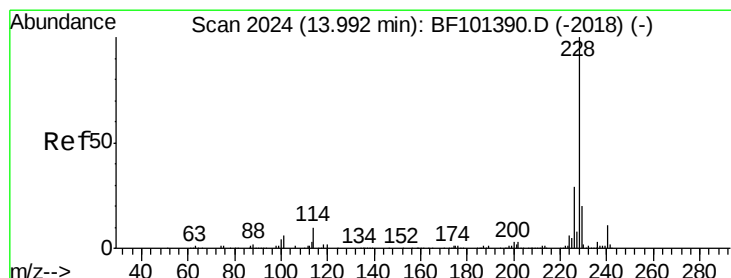
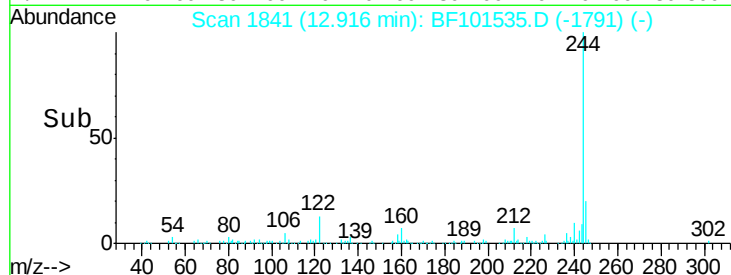
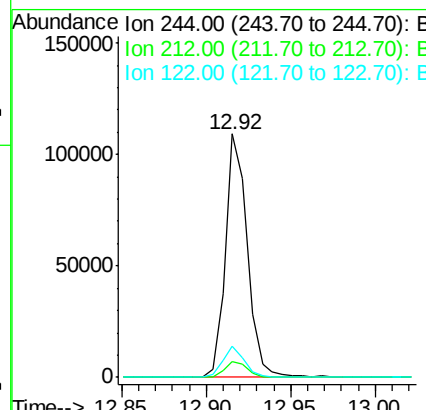
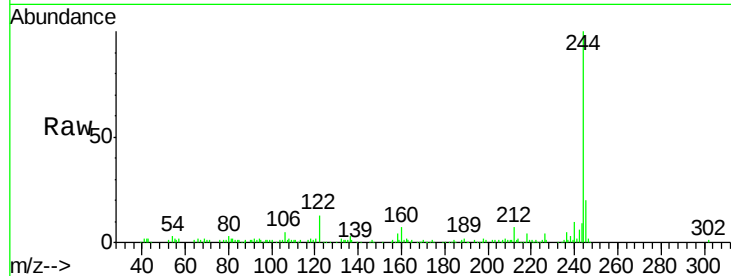




#78
 Terphenyl-d14
 Concen: 7.577 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF101535.D
 Acq: 19 Dec 2017 21:03

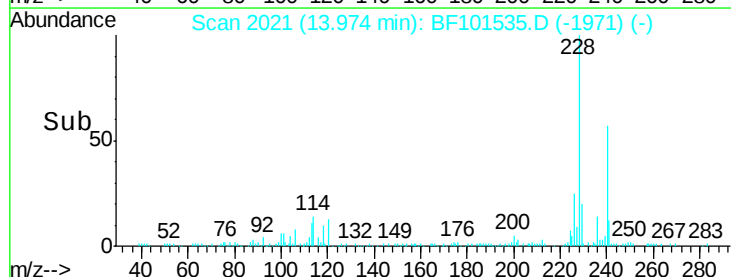
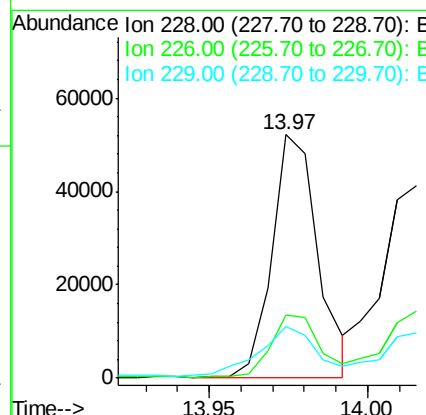
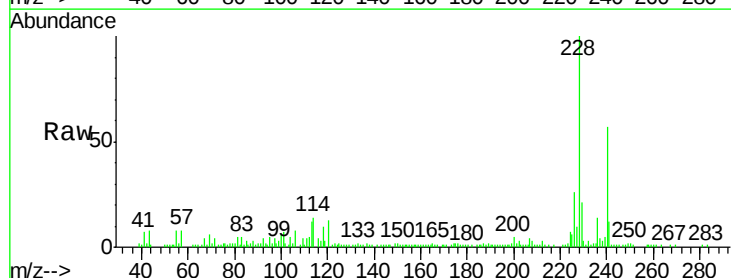
Instrument :
 BNA_F
 ClientSampleId :
 PHMHA-WCS

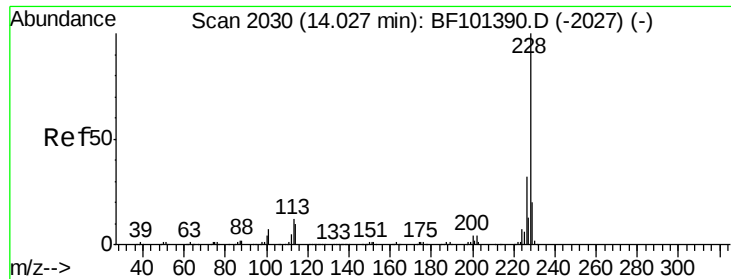
Tot Ion:244 Resp: 98906
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 12.6 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 2.550 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF101535.D
 Acq: 19 Dec 2017 21:03

Tgt Ion:228 Resp: 52982
 Ion Ratio Lower Upper
 228 100
 226 26.2 22.6 33.8
 229 21.4 15.8 23.6

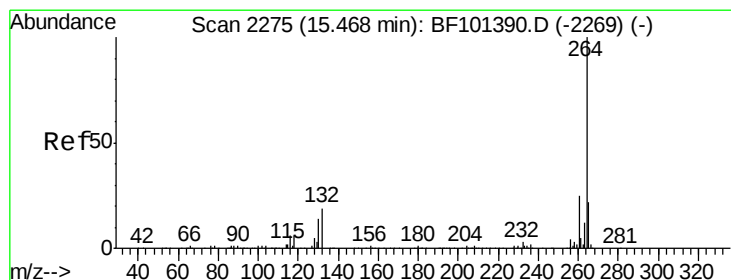
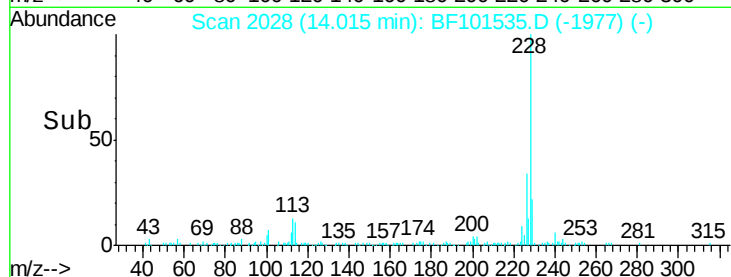
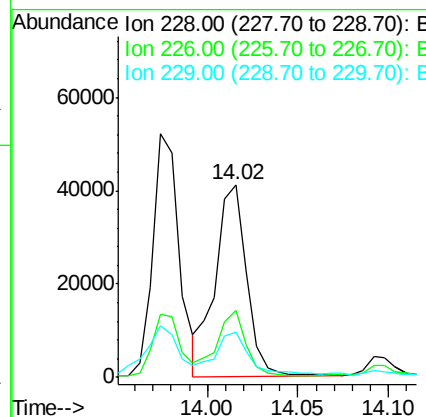
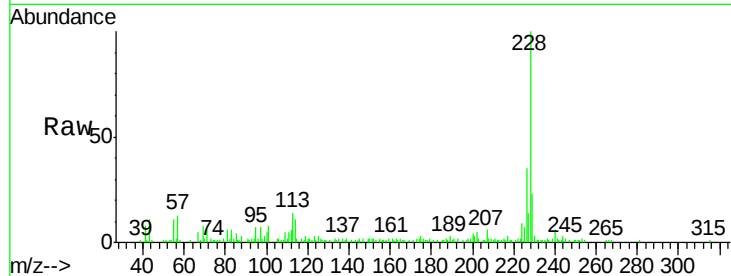




#82
Chrysene
Concen: 2.520 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF101535.D
Acq: 19 Dec 2017 21:03

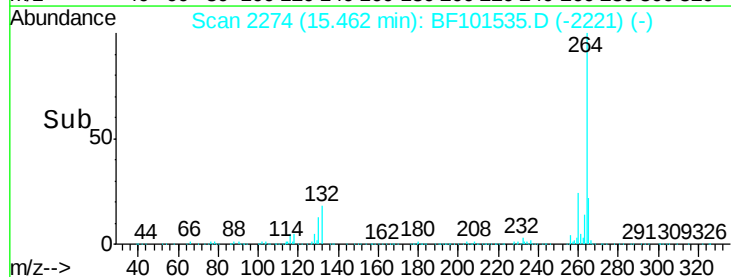
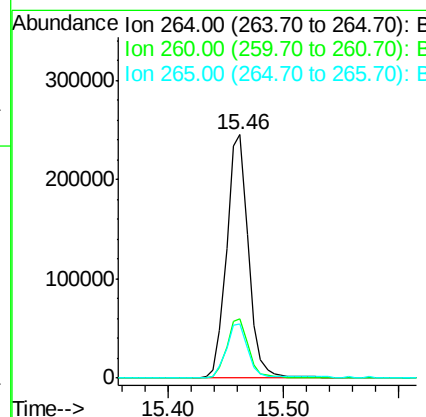
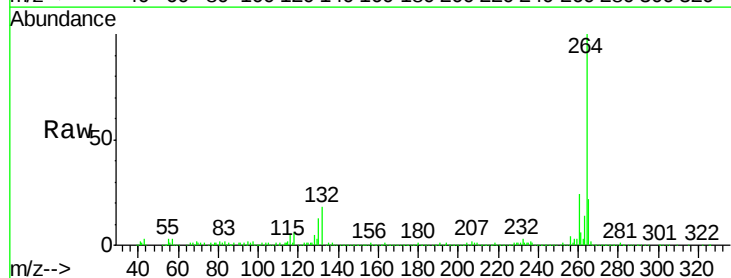
Instrument :
BNA_F
ClientSampleId :
PHMHA-WCS

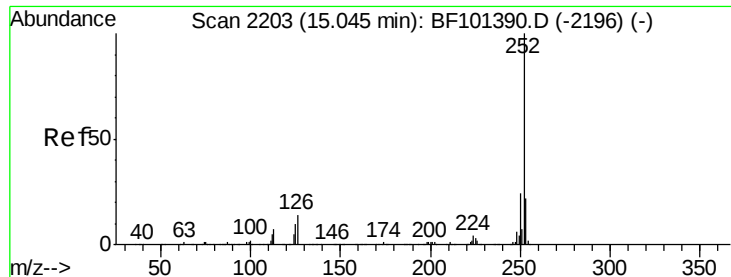
Tot Ion:228 Resp: 49451
Ion Ratio Lower Upper
228 100
226 34.7 25.0 37.6
229 23.5 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF101535.D
Acq: 19 Dec 2017 21:03

Tgt Ion:264 Resp: 319504
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 22.3 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 4.062 ng

RT: 15.03 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BF101535.D

Acq: 19 Dec 2017 21:03

Instrument :

BNA_F

ClientSampleId :

PHMHA-WCS

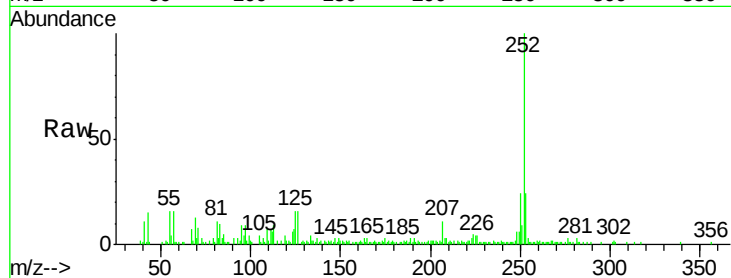
Tot Ion:252 Resp: 79109

Ion Ratio Lower Upper

252 100

253 24.5 17.0 25.6

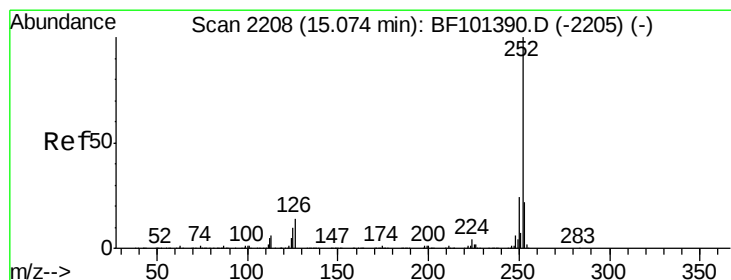
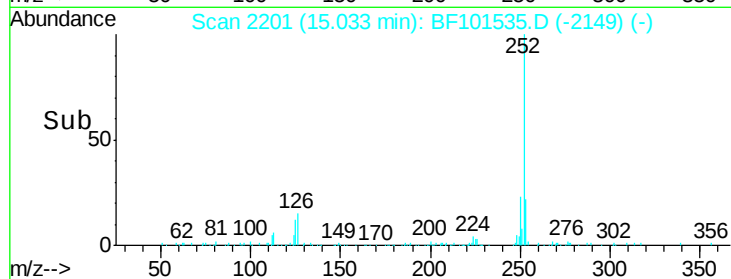
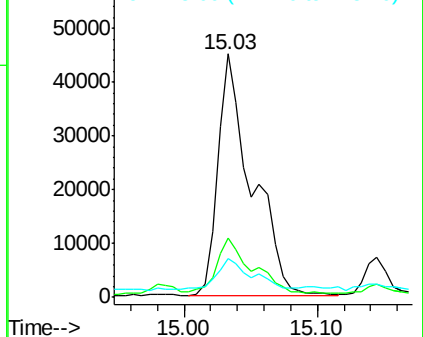
125 15.9 9.0 13.6#



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: 4.178 ng

RT: 15.03 min Scan# 2201

Delta R.T. -0.02 min

Lab File: BF101535.D

Acq: 19 Dec 2017 21:03

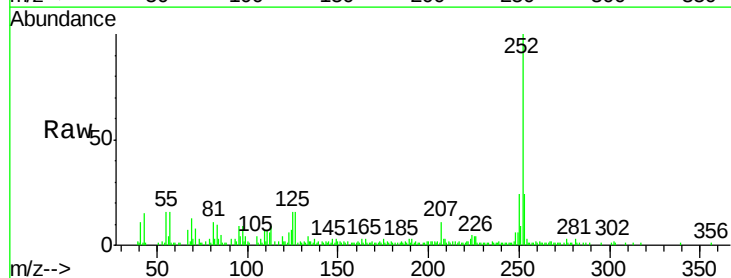
Tgt Ion:252 Resp: 79109

Ion Ratio Lower Upper

252 100

253 24.5 17.9 26.9

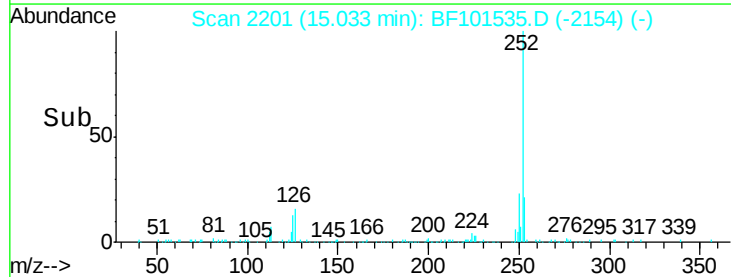
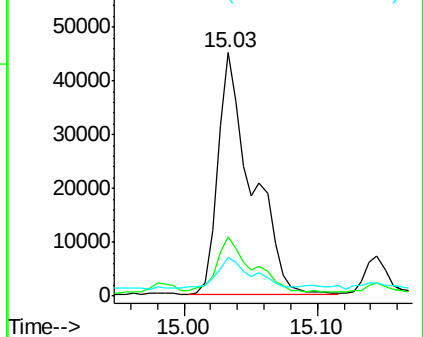
125 15.9 10.2 15.2#

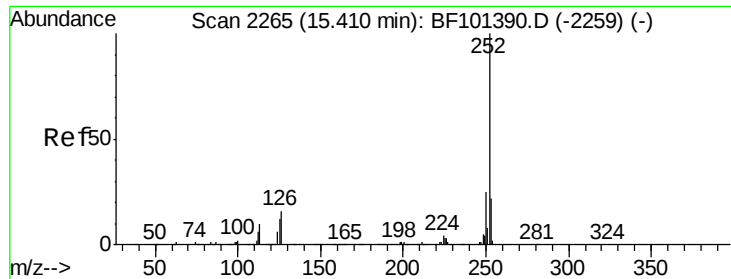


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.198 ng

RT: 15.40 min Scan# 2264

Delta R.T. 0.01 min

Lab File: BF101535.D

Acq: 19 Dec 2017 21:03

Instrument :

BNA_F

ClientSampleId :

PHMHA-WCS

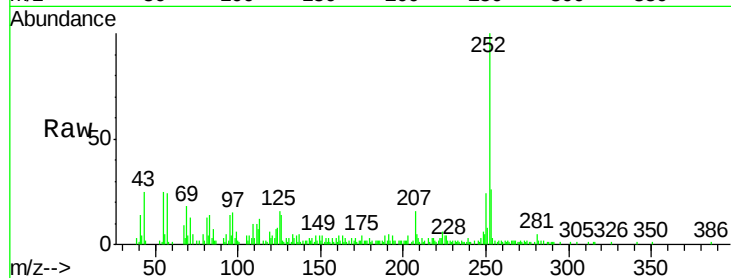
Tot Ion: 252 Resp: 39466

Ion Ratio Lower Upper

252 100

253 26.1 17.1 25.7#

125 16.3 9.8 14.6#



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

