

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082418\
 Data File : BF108484.D
 Acq On : 25 Aug 2018 00:45
 Operator : JU/SJ
 Sample : J4585-01 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WS-GRAVEL-STAIN

Quant Time: Aug 25 02:09:47 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 22 11:01:45 2018
 Response via : Initial Calibration

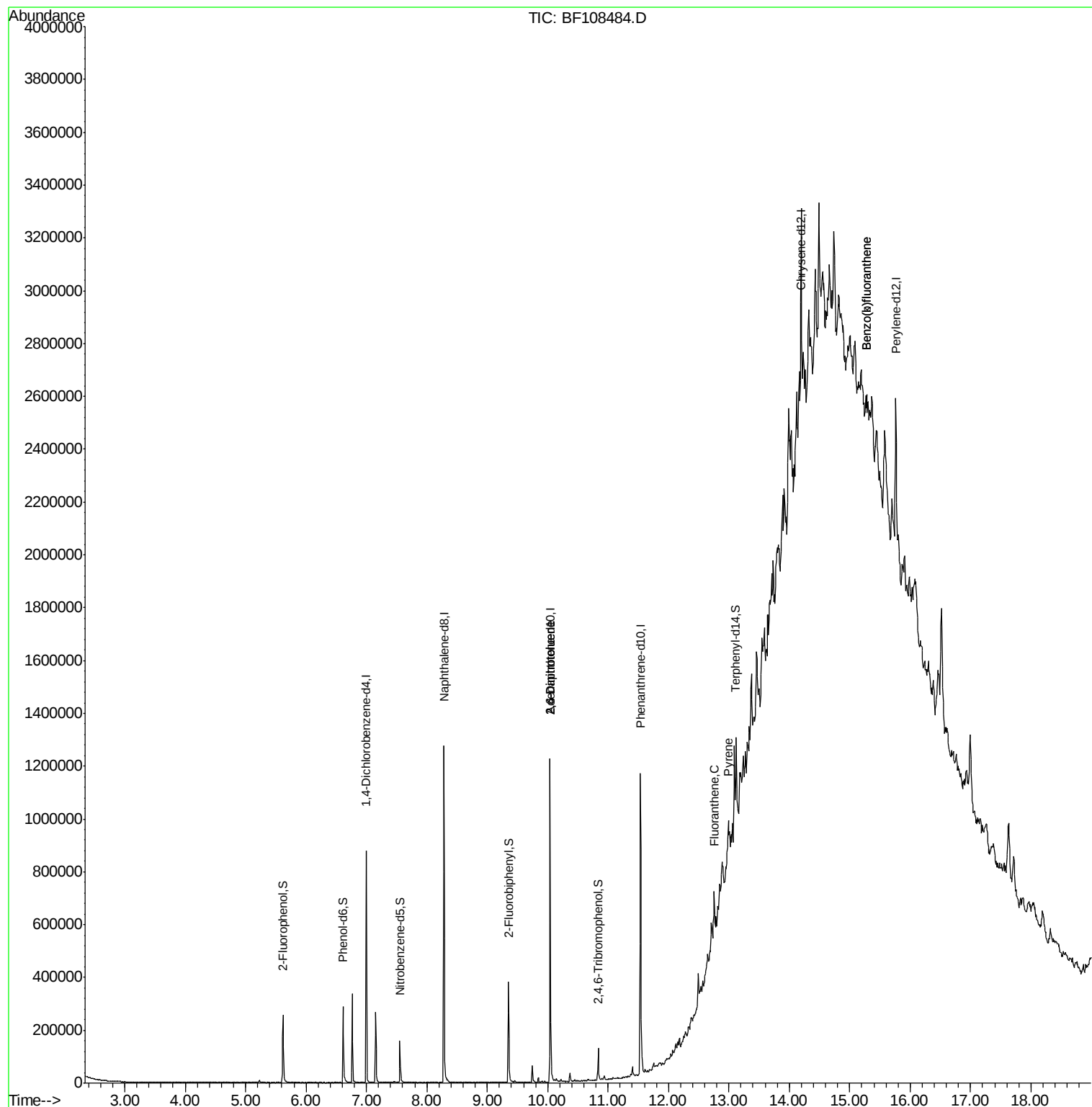
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	137615	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	528453	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	240559	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	404945	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	279022	20.00	ng	0.00
86) Perylene-d12	15.77	264	276897	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	68378	9.00	ng	-0.01
7) Phenol-d6	6.61	99	96662	9.57	ng	-0.02
23) Nitrobenzene-d5	7.55	82	58827	6.21	ng	-0.02
41) 2,4,6-Tribromophenol	10.84	330	18065	7.53	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	128017	8.54	ng	-0.01
78) Terphenyl-d14	13.12	244	98973	9.02	ng	-0.01
Target Compounds						
50) 2,6-Dinitrotoluene	10.04	165	30702	8.757	ng	# 26
56) 2,4-Dinitrotoluene	10.04	165	30812	6.828	ng	# 23
74) Fluoranthene	12.75	202	64179	3.079	ng	97
77) Pyrene	12.99	202	61800	3.498	ng	98
87) Benzo(b)fluoranthene	15.29	252	49684	3.003	ng	# 1
88) Benzo(k)fluoranthene	15.29	252	49684	3.267	ng	# 1

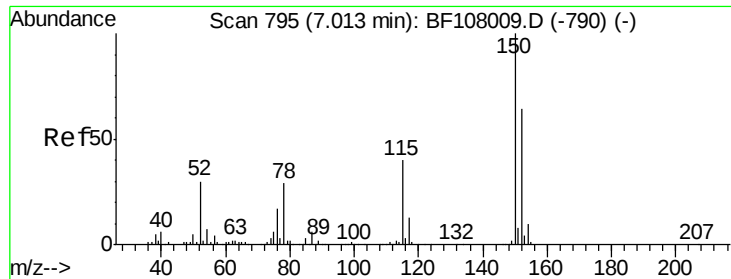
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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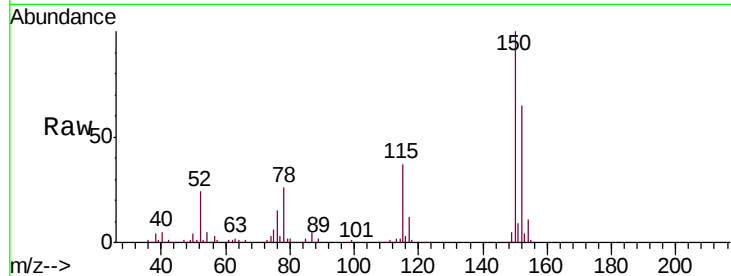


#1

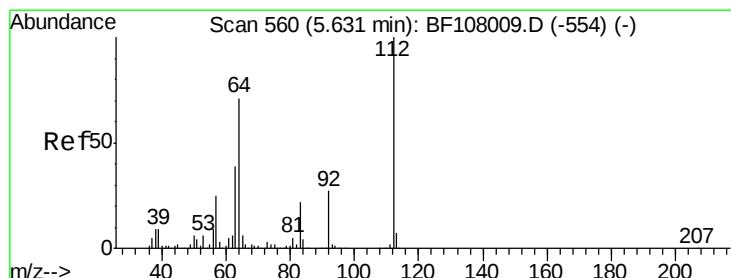
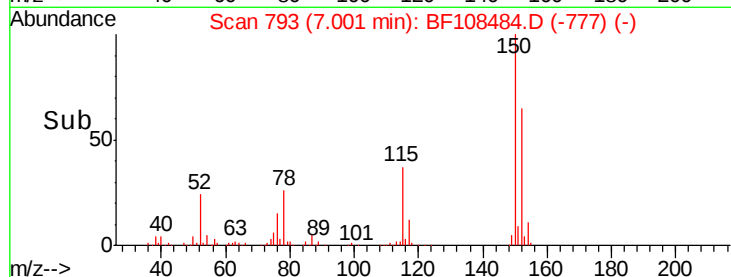
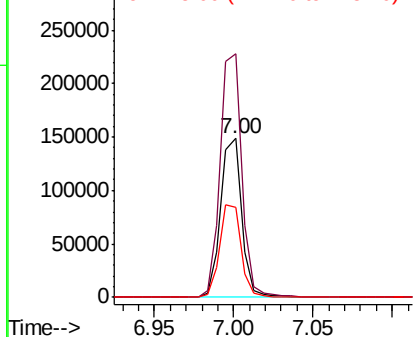
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108484.D
Acq: 25 Aug 2018 00:45

Instrument :
BNA_F
ClientSampleId :
WS-GRAVEL-STAIN

Tgt Ion:152 Resp: 137615
Ion Ratio Lower Upper
152 100
150 153.3 124.6 186.8
115 56.5 50.1 75.1



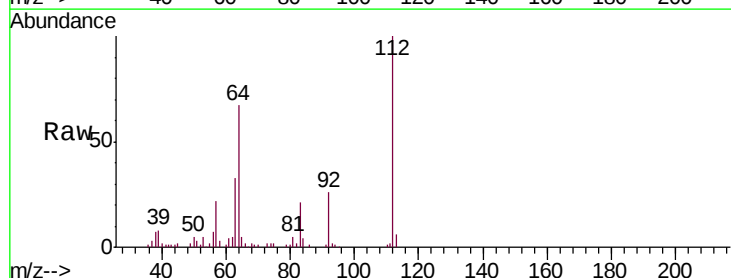
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



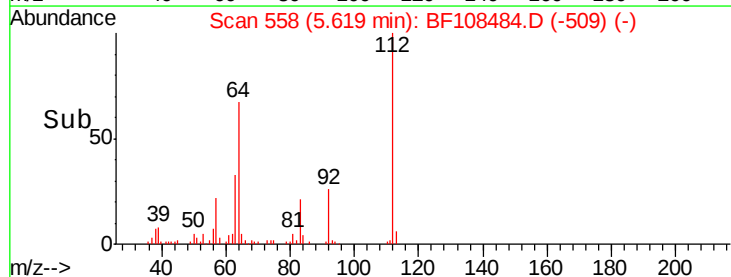
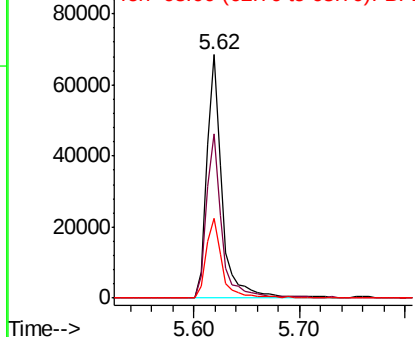
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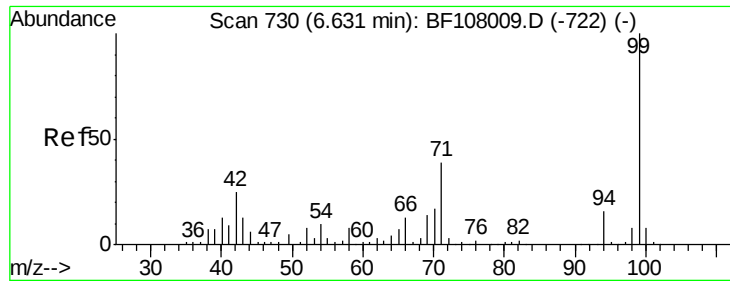
2-Fluorophenol
Concen: 8.996 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108484.D
Acq: 25 Aug 2018 00:45

Tgt Ion:112 Resp: 68378
Ion Ratio Lower Upper
112 100
64 67.3 47.9 71.9
63 32.7 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: 9.570 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108484.D

Acq: 25 Aug 2018 00:45

Instrument :

BNA_F

ClientSampleId :

WS-GRAVEL-STAIN

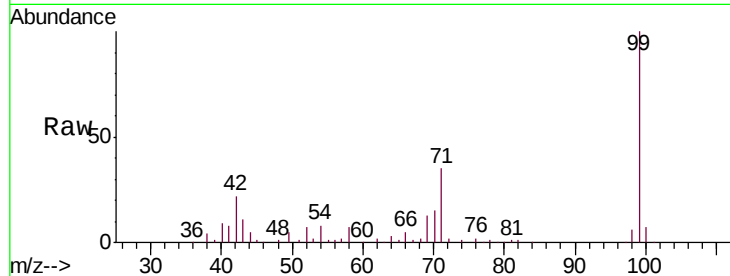
Tgt Ion: 99 Resp: 96662

Ion Ratio Lower Upper

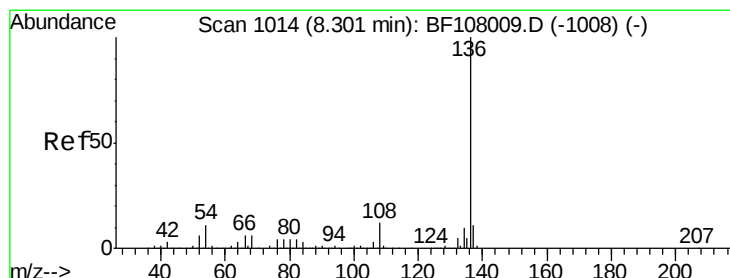
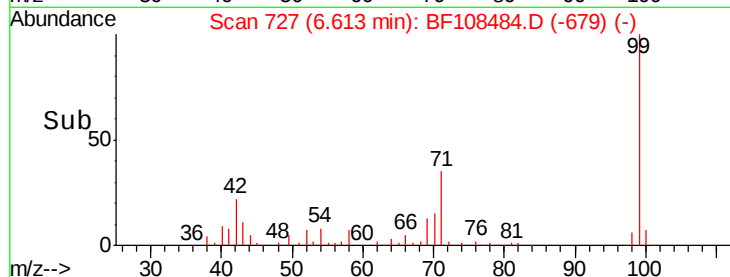
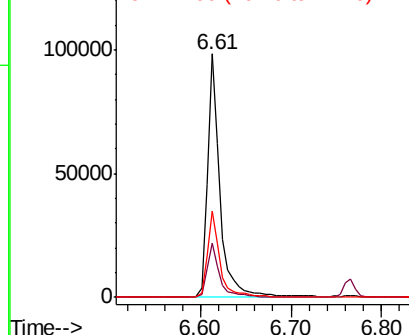
99 100

42 22.3 14.5 21.7#

71 35.2 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108484.D

Acq: 25 Aug 2018 00:45

Tgt Ion: 136 Resp: 528453

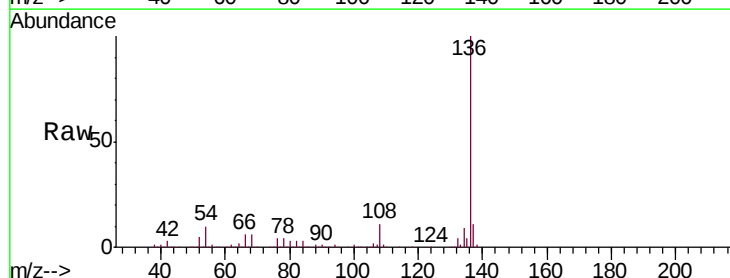
Ion Ratio Lower Upper

136 100

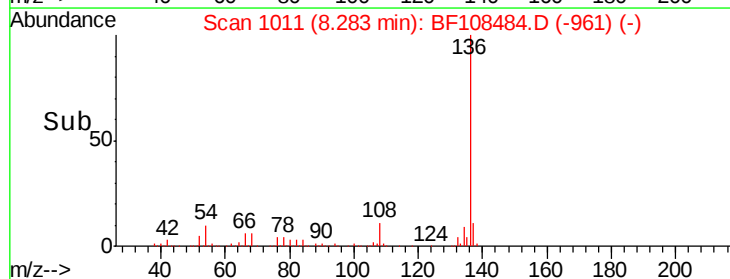
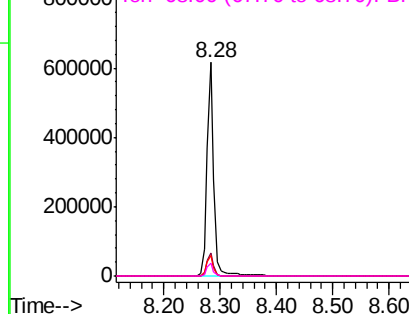
137 10.8 8.9 13.3

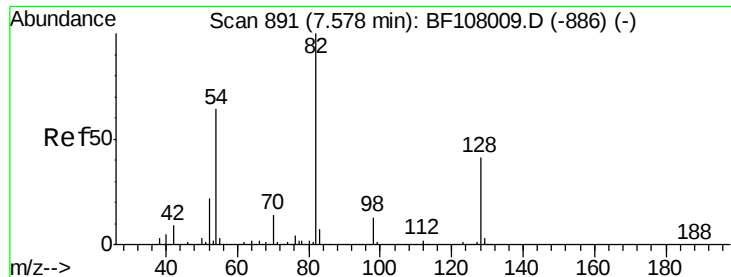
54 9.8 6.6 9.8

68 5.8 5.0 7.4



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

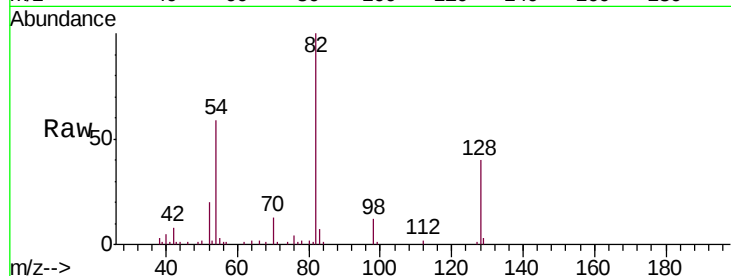




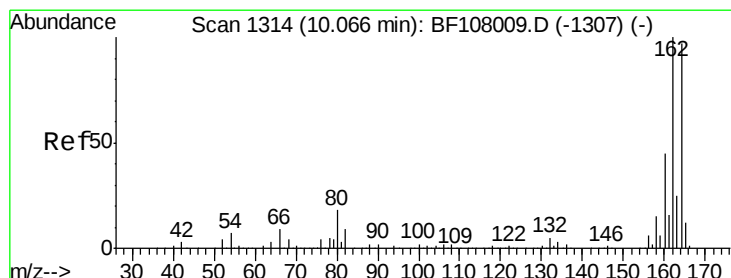
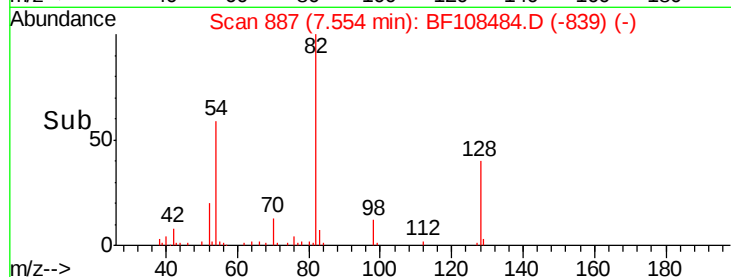
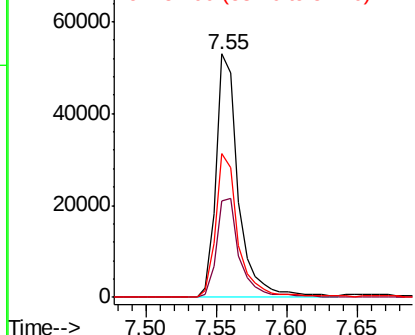
#23
 Nitrobenzene-d5
 Concen: 6.212 ng
 RT: 7.55 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: BF108484.D
 Acq: 25 Aug 2018 00:45

Instrument :
 BNA_F
 ClientSampleId :
 WS-GRAVEL-STAIN

Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.9	36.1	54.1
54	59.0	41.4	62.2

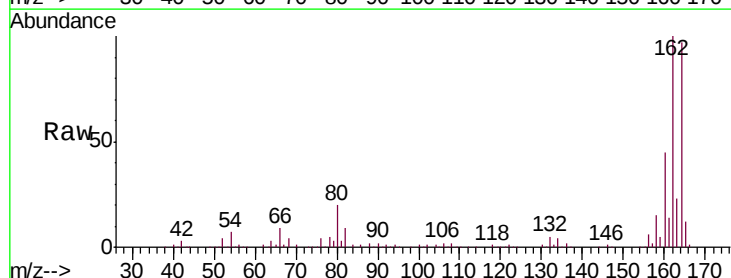


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

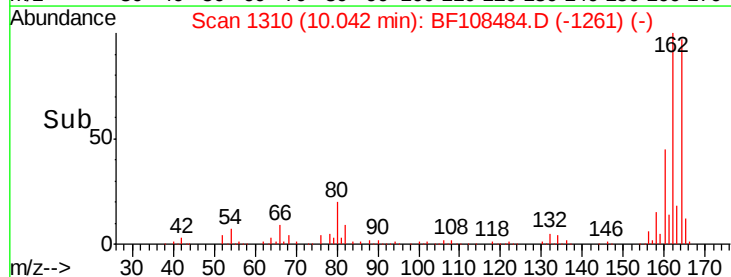
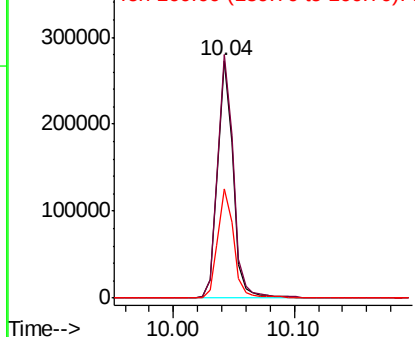


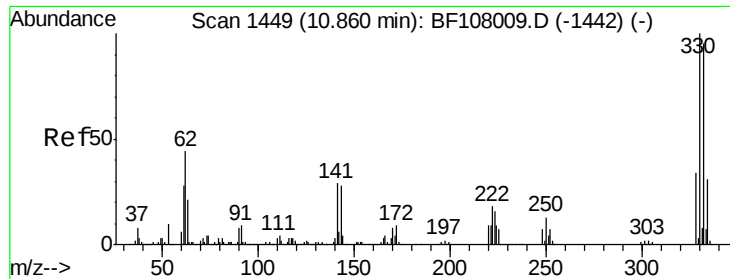
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF108484.D
 Acq: 25 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	86.1	129.1
160	45.8	38.3	57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
 Ion 162.00 (161.70 to 162.70): BF1
 Ion 160.00 (159.70 to 160.70): BF1

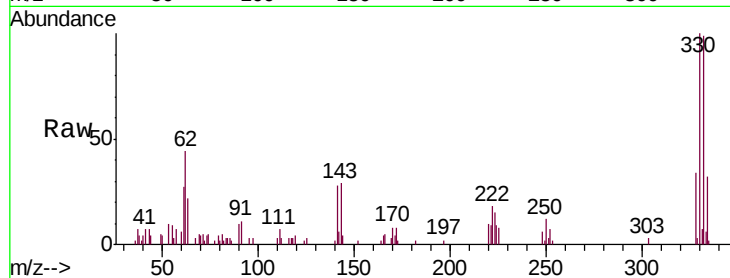




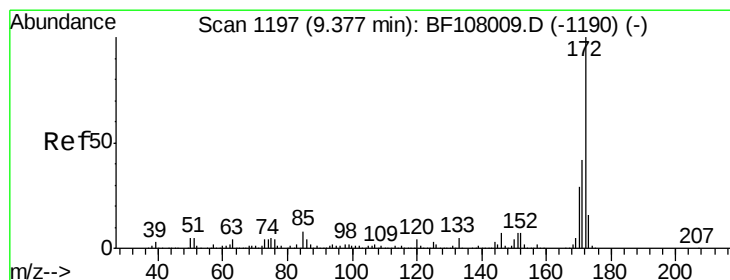
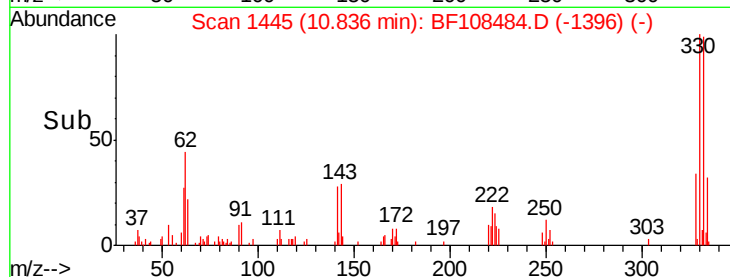
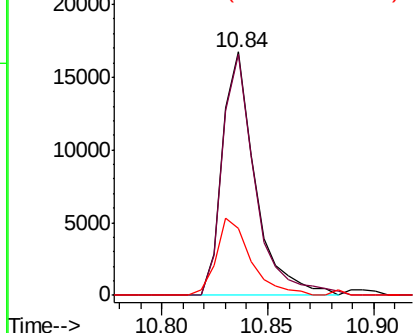
#41
 2,4,6-Tribromophenol
 Concen: 7.529 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108484.D
 Acq: 25 Aug 2018 00:45

Instrument :
 BNA_F
 ClientSampleId :
 WS-GRAVEL-STAIN

Tgt Ion:330 Resp: 18065
 Ion Ratio Lower Upper
 330 100
 332 98.6 77.0 115.6
 141 33.7 29.9 44.9

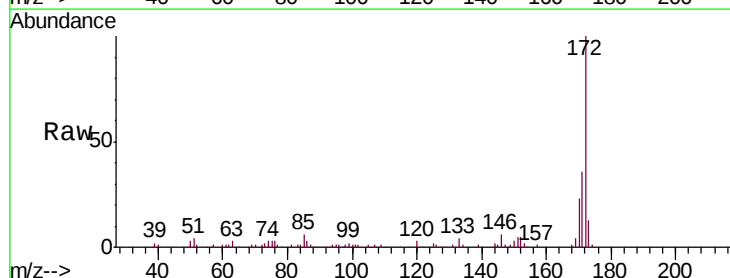


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

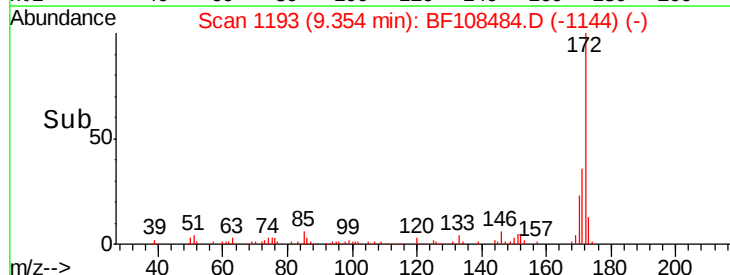
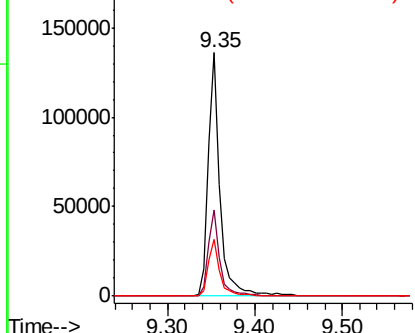


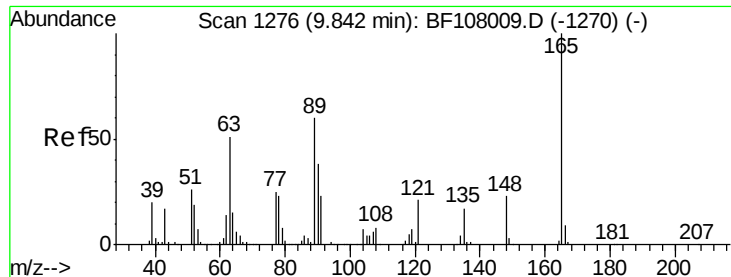
#44
 2-Fluorobiphenyl
 Concen: 8.544 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108484.D
 Acq: 25 Aug 2018 00:45

Tgt Ion:172 Resp: 128017
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.7 44.5
 170 23.3 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

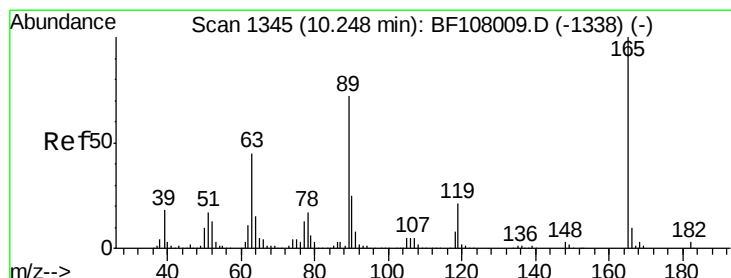
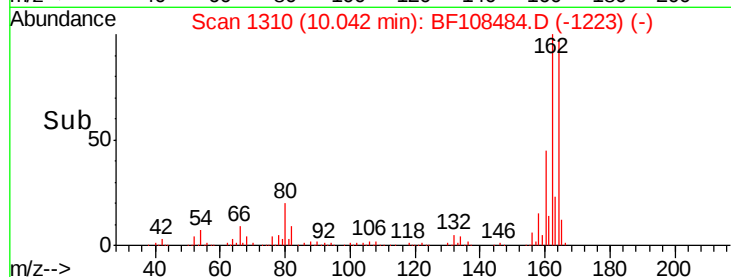
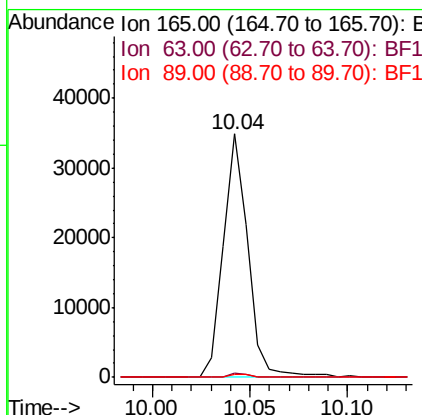
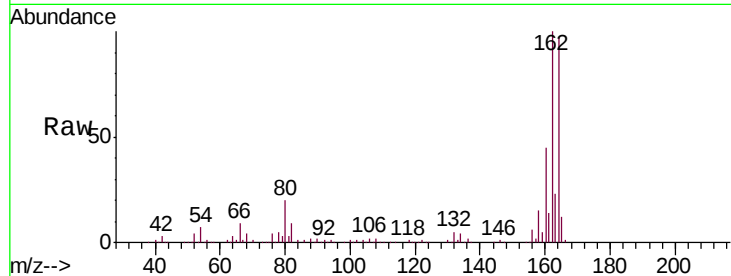




#50
 2,6-Dinitrotoluene
 Concen: 8.757 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. 0.21 min
 Lab File: BF108484.D
 Acq: 25 Aug 2018 00:45

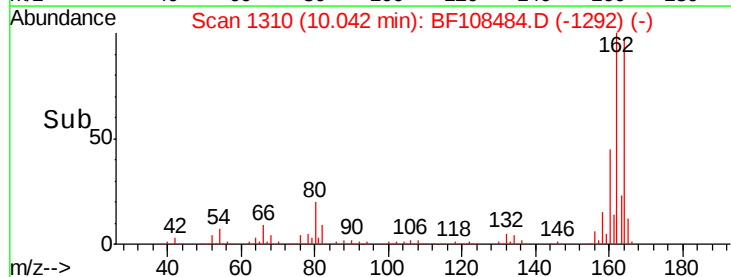
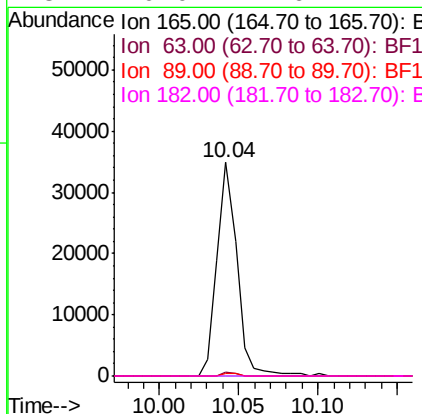
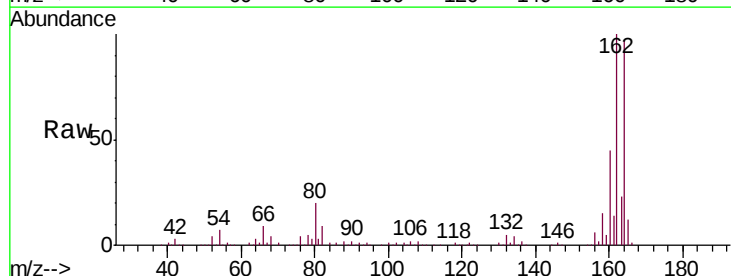
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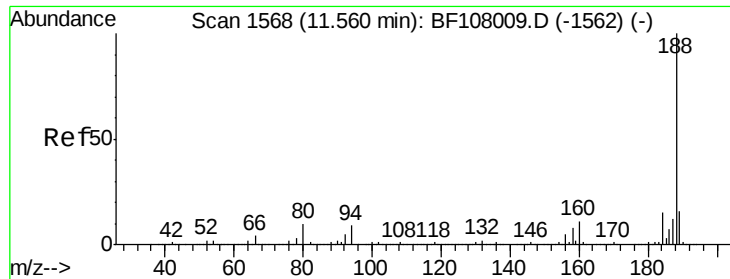
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	44.7	67.1#
89	1.2	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.828 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108484.D
 Acq: 25 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#

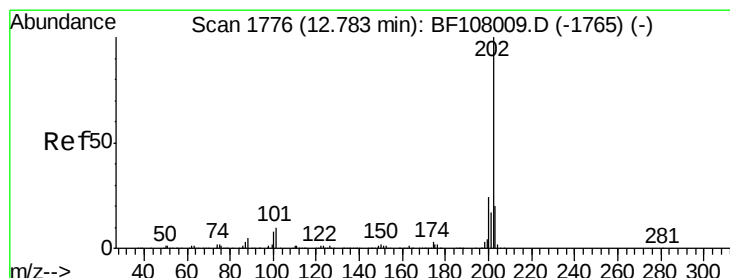
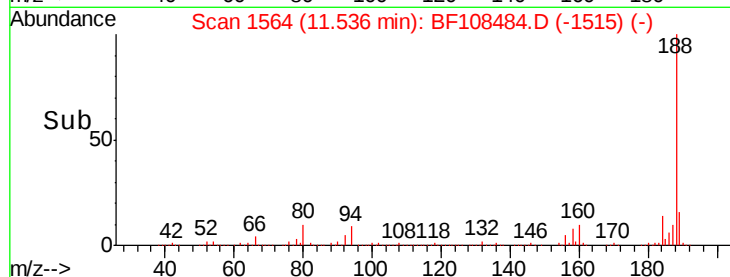
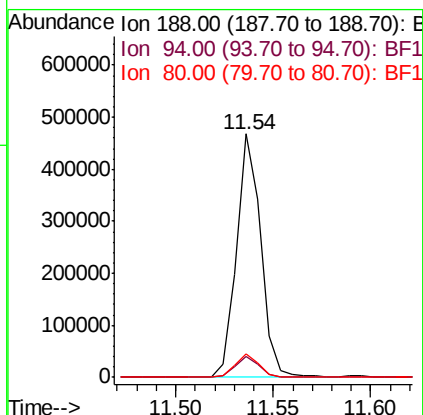
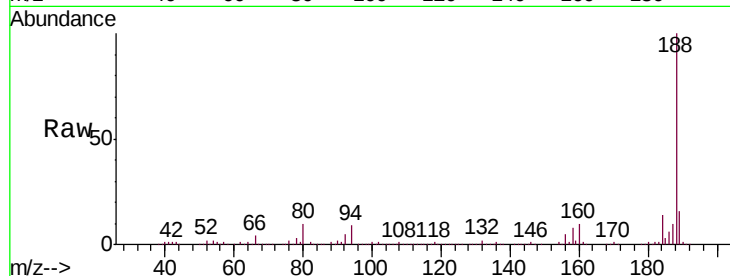




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF108484.D
Acq: 25 Aug 2018 00:45

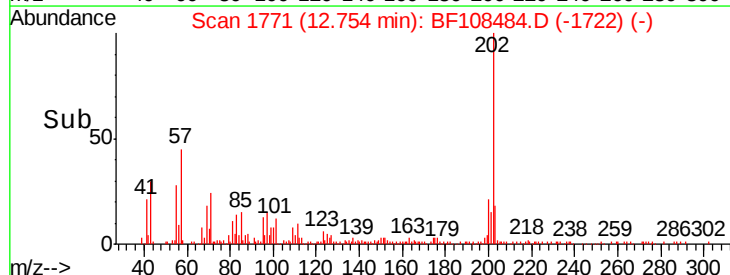
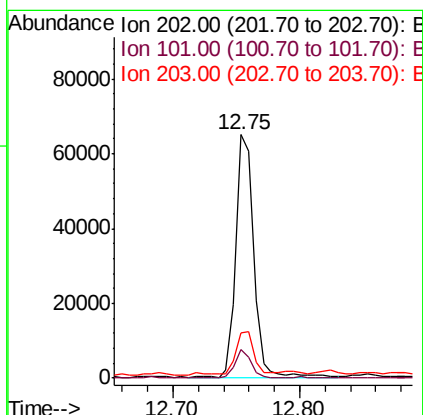
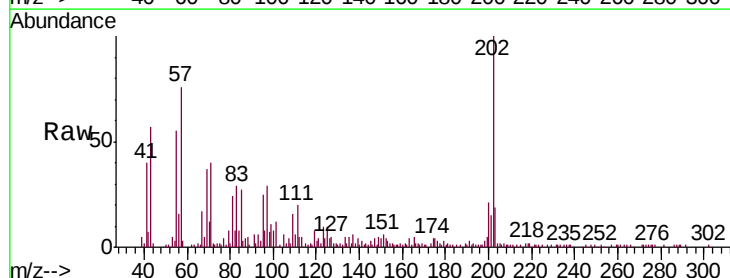
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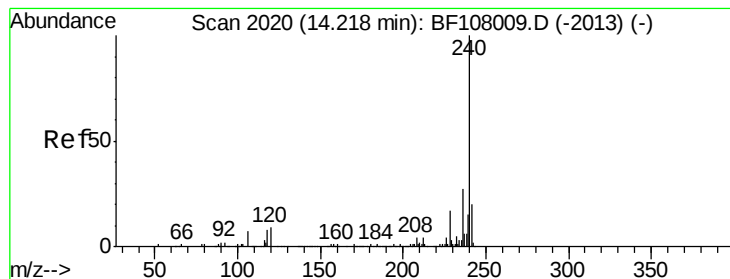
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.5	12.7
80	9.6	9.2	13.8



#74
Fluoranthene
Concen: 3.079 ng
RT: 12.75 min Scan# 1771
Delta R.T. -0.01 min
Lab File: BF108484.D
Acq: 25 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	34.1
203	18.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108484.D

Acq: 25 Aug 2018 00:45

Instrument :

BNA_F

ClientSampleId :

WS-GRAVEL-STAIN

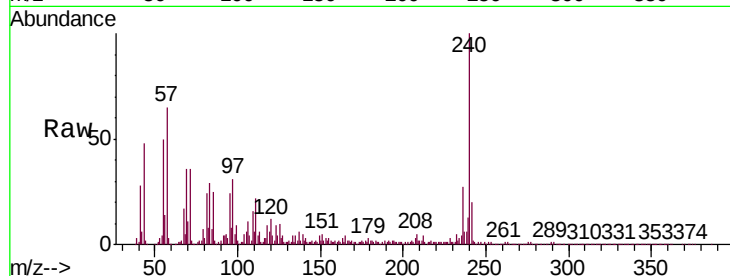
Tgt Ion:240 Resp: 279022

Ion Ratio Lower Upper

240 100

120 11.8 9.5 14.3

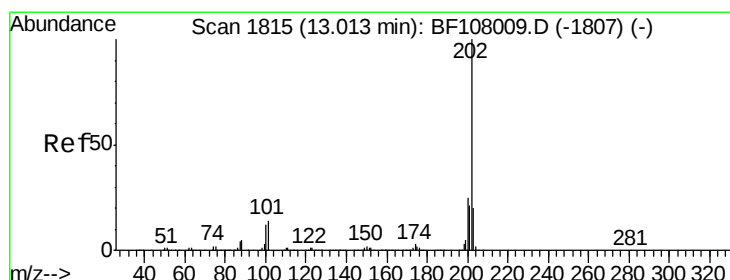
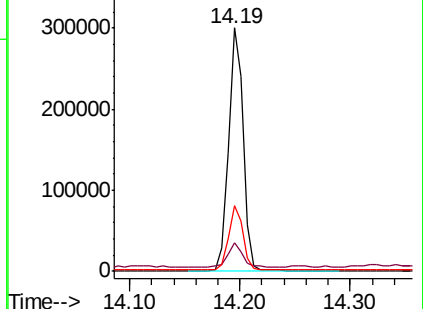
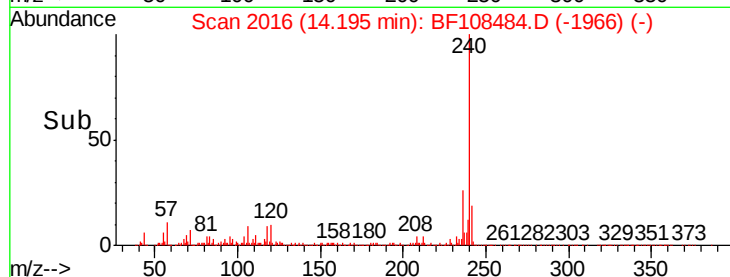
236 26.9 20.7 31.1



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: 3.498 ng

RT: 12.99 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF108484.D

Acq: 25 Aug 2018 00:45

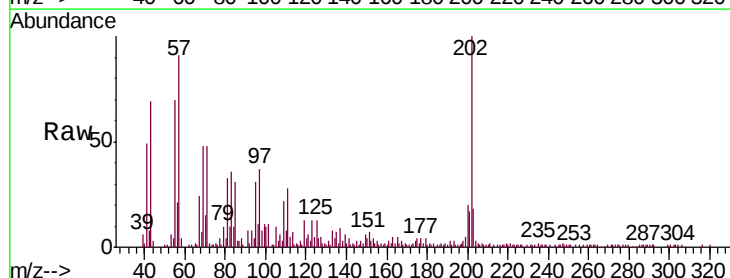
Tgt Ion:202 Resp: 61800

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

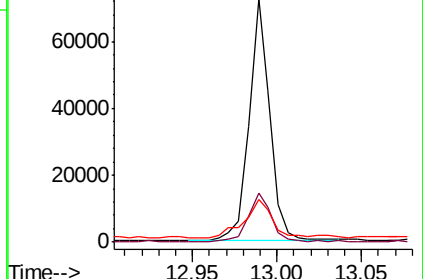
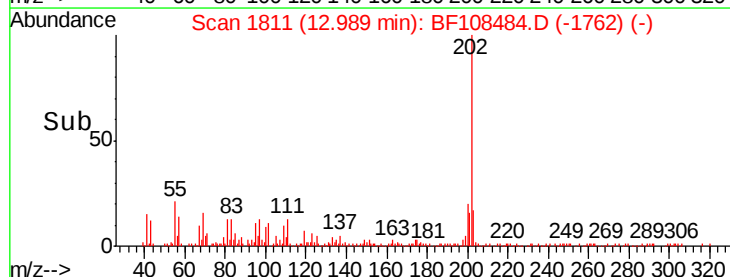
203 17.8 14.3 21.5

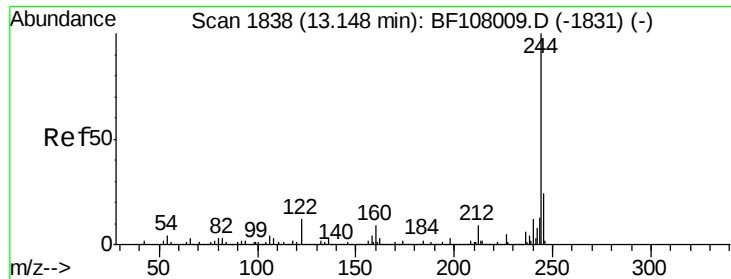


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 9.019 ng

RT: 13.12 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF108484.D

Acq: 25 Aug 2018 00:45

Instrument :

BNA_F

ClientSampleId :

WS-GRAVEL-STAIN

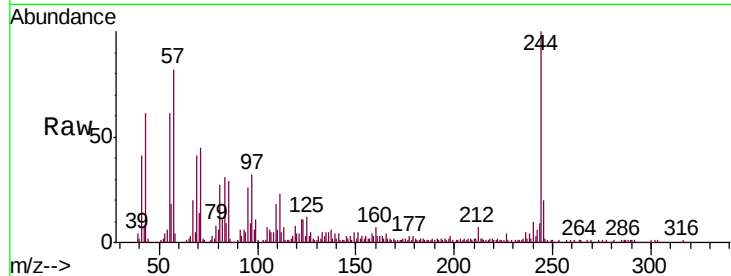
Tgt Ion:244 Resp: 98973

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

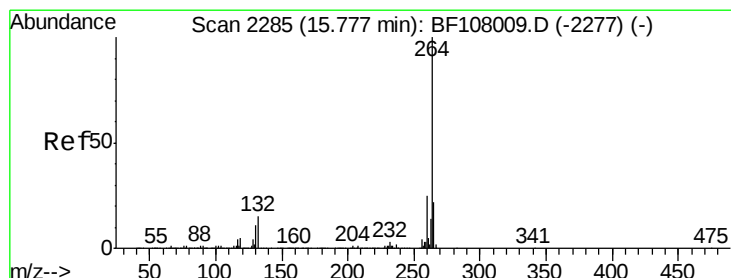
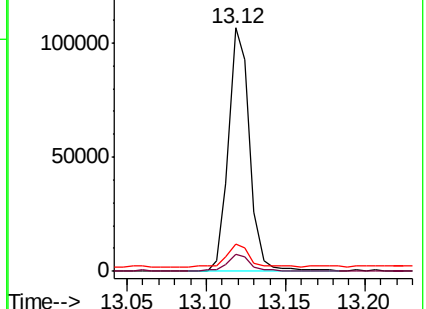
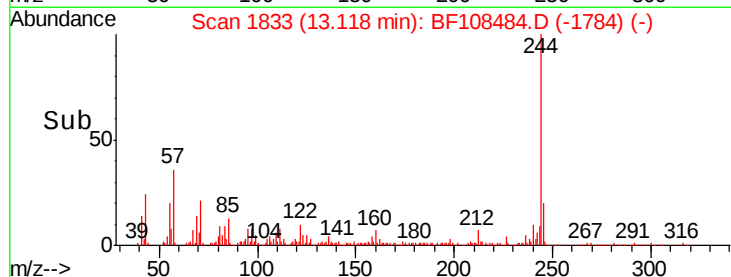
122 11.3 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.77 min Scan# 2283

Delta R.T. 0.01 min

Lab File: BF108484.D

Acq: 25 Aug 2018 00:45

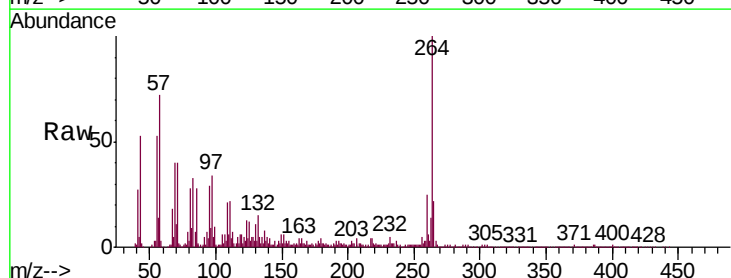
Tgt Ion:264 Resp: 276897

Ion Ratio Lower Upper

264 100

260 24.7 19.2 28.8

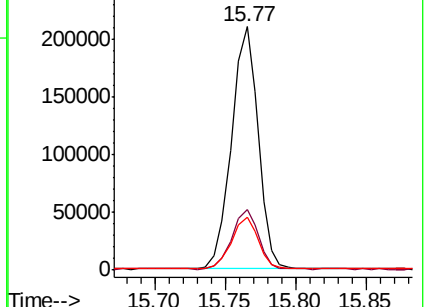
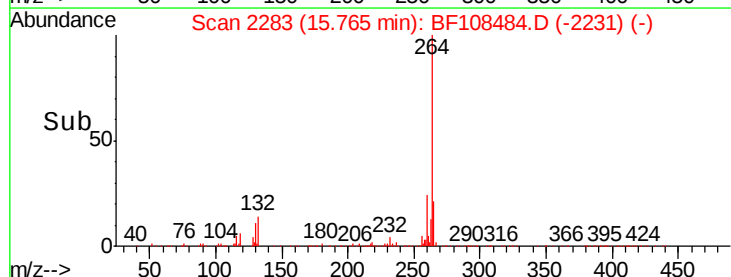
265 21.7 17.5 26.3

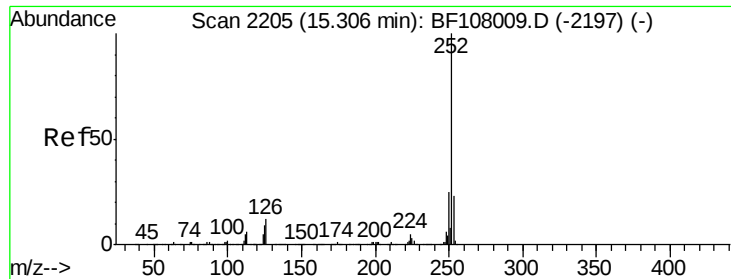


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.003 ng

RT: 15.29 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BF108484.D

Acq: 25 Aug 2018 00:45

Instrument :

BNA_F

ClientSampleId :

WS-GRAVEL-STAIN

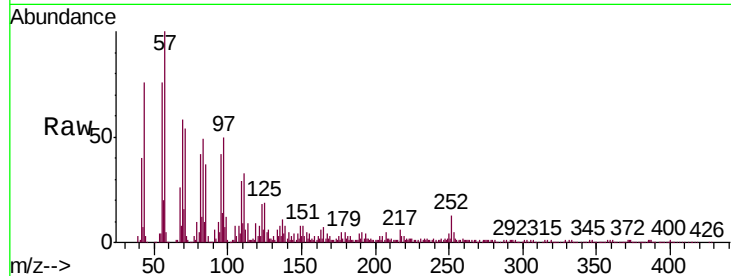
Tgt Ion:252 Resp: 49684

Ion Ratio Lower Upper

252 100

253 40.7 17.0 25.6#

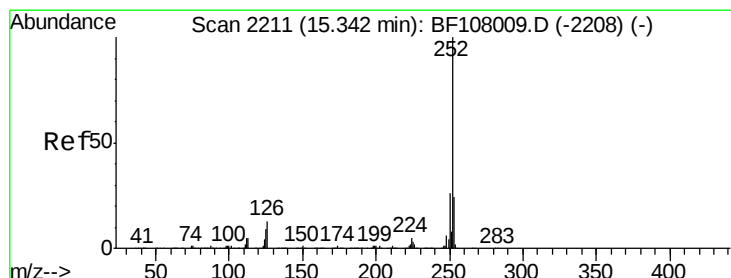
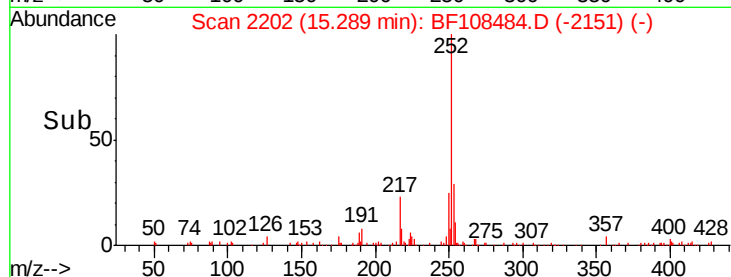
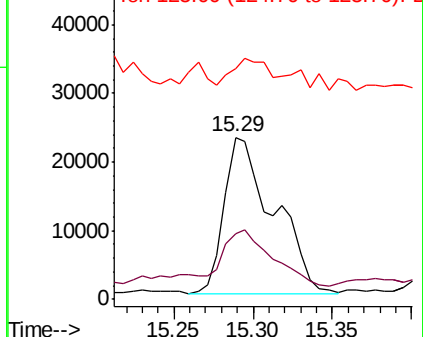
125 142.4 9.0 13.6#



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: 3.267 ng

RT: 15.29 min Scan# 2202

Delta R.T. -0.04 min

Lab File: BF108484.D

Acq: 25 Aug 2018 00:45

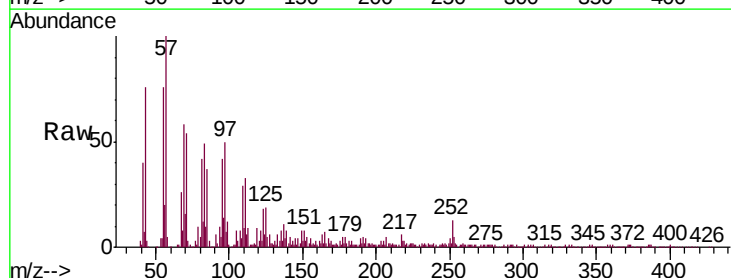
Tgt Ion:252 Resp: 49684

Ion Ratio Lower Upper

252 100

253 40.7 17.9 26.9#

125 142.4 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

