

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101618\
 Data File : BF109908.D
 Acq On : 16 Oct 2018 16:33
 Operator : JU/SJ
 Sample : J5526-24
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-4A-C-101518-2

Manual Integrations
 APPROVED

Sohil
 10/17/2018 11:15:32 AM

Quant Time: Oct 17 04:09:55 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 14:58:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	260360	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	964018	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	374836	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	549413	20.00	ng	0.00
76) Chrysene-d12	14.16	240	592883	20.00	ng	0.00
87) Perylene-d12	15.69	264	615873	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1252950	76.28	ng	0.00
7) Phenol-d6	6.60	99	1546514	75.83	ng	0.00
23) Nitrobenzene-d5	7.54	82	936876	65.47	ng	-0.01
42) 2,4,6-Tribromophenol	10.81	330	218498	67.33	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	1414258	60.20	ng	0.00
79) Terphenyl-d14	13.10	244	1035526	36.68	ng	0.00
Target Compounds						
10) Phenol	6.61	94	89491	4.064	ng	Qvalue # 58
50) Dimethylphthalate	9.73	163	195757	7.375	ng	99
71) Phenanthrene	11.53	178	144399	5.077	ng	99
75) Fluoranthene	12.73	202	442906	15.587	ng	98
78) Pyrene	12.96	202	424060	9.738	ng	99
81) Benzo(a)anthracene	14.14	228	269022	7.703	ng	98
83) Chrysene	14.19	228	263512	7.927	ng	98
86) Indeno(1,2,3-cd)pyrene	17.24	276	129224	4.828	ng	96
88) Benzo(b)fluoranthene	15.23	252	382788m	10.781	ng	
89) Benzo(k)fluoranthene	15.26	252	156181m	4.463	ng	
90) Benzo(a)pyrene	15.62	252	260685	7.983	ng	# 96
92) Benzo(a,h,i)perylene	17.72	276	111995	3.830	ng	# 87

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

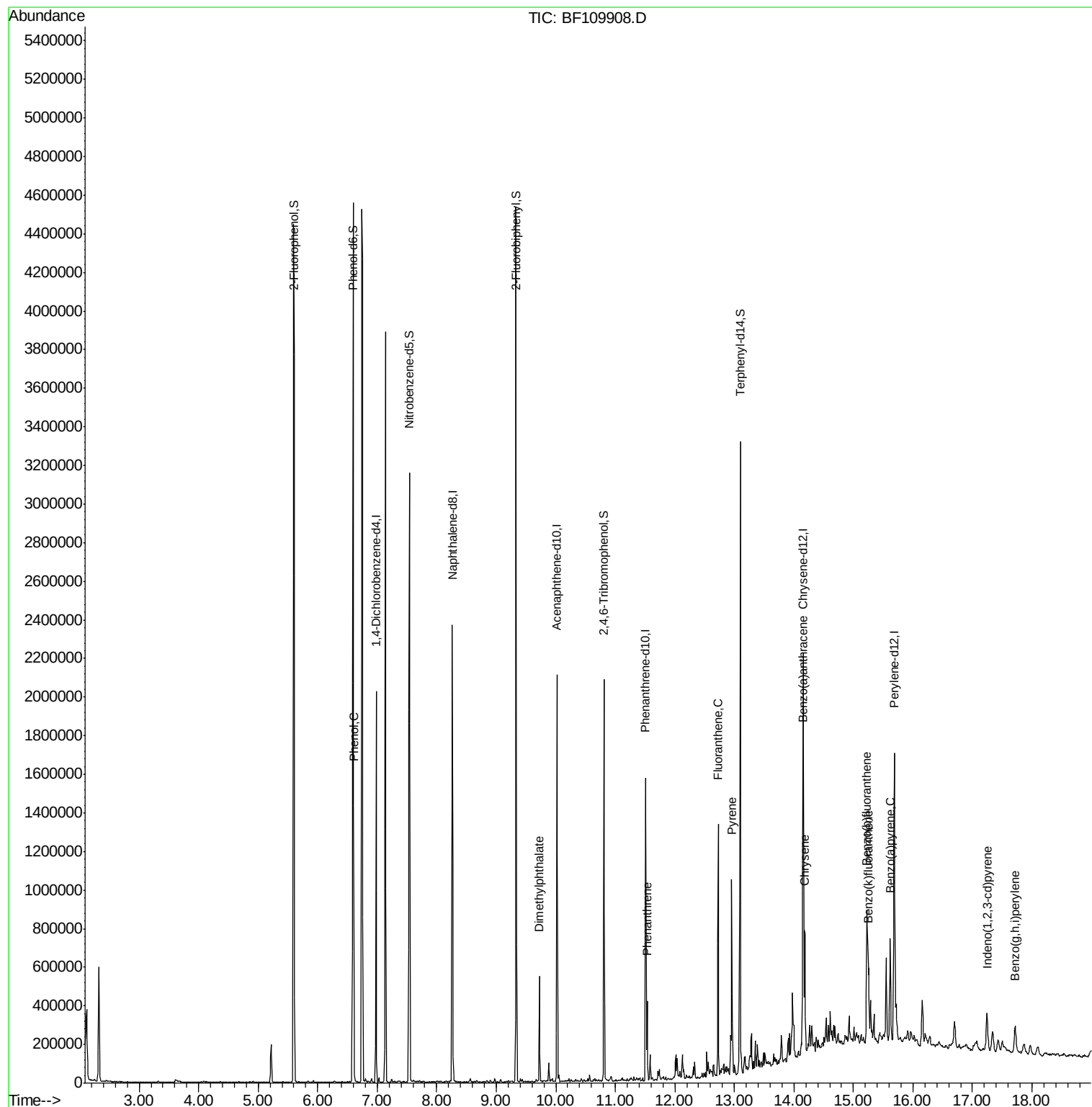
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101618\
Data File : BF109908.D
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ALS Vial : 10 Sample Multiplier: 1

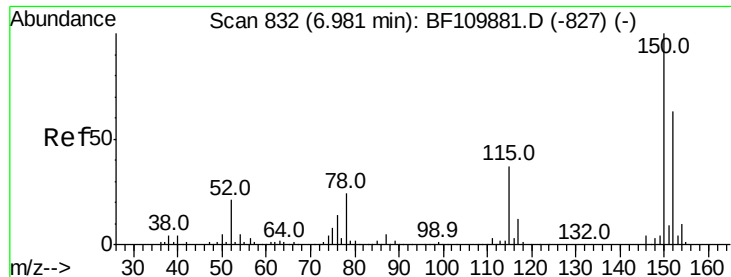
Instrument :
BNA_F
ClientSampleId :
SUP-4A-C-101518-2

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Quant Time: Oct 17 04:09:55 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

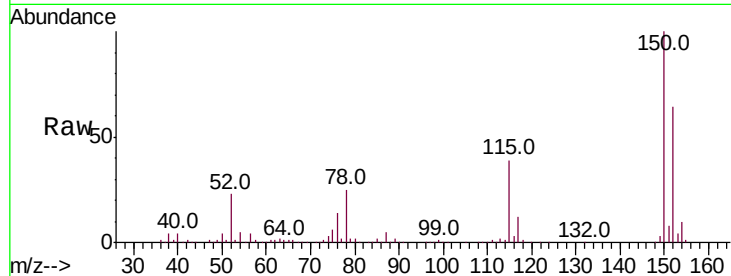
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 832
Delta R.T. -0.00 min
Lab File: BF109908.D
Acq: 16 Oct 2018 16:33

Instrument :
BNA_F
ClientSampleId :
SUP-4A-C-101518-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	122.7	184.1
115	61.5	49.1	73.7

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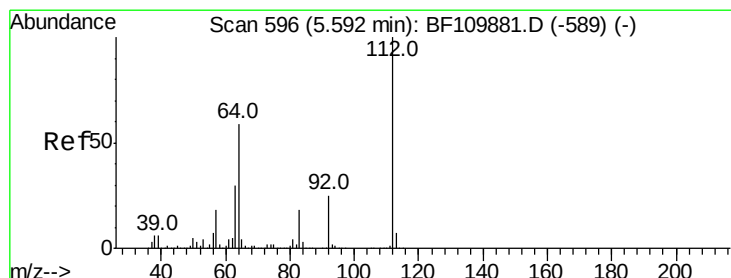
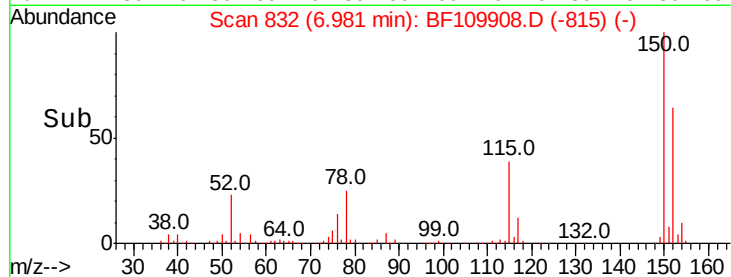
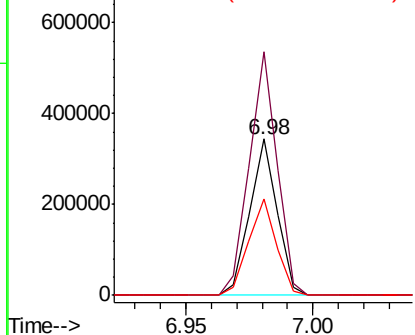


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

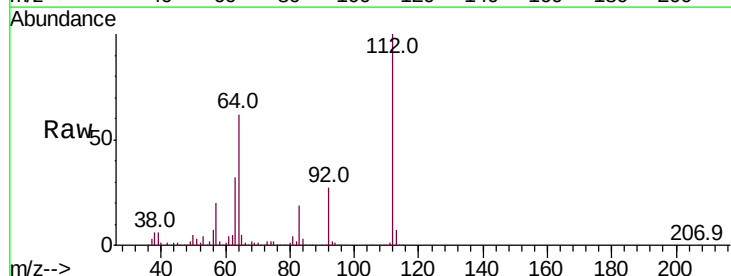
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 76.283 ng
RT: 5.60 min Scan# 597
Delta R.T. -0.00 min
Lab File: BF109908.D
Acq: 16 Oct 2018 16:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.5	44.1	66.1
63	32.0	23.7	35.5

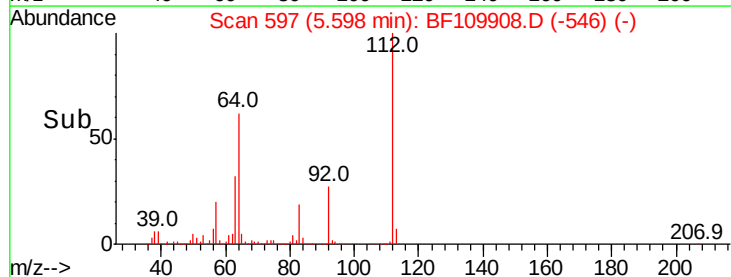
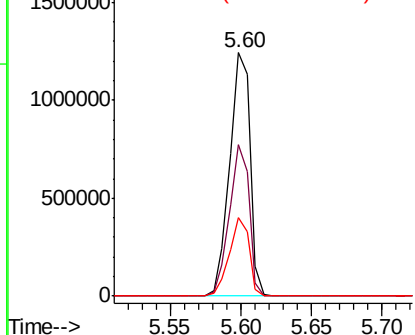


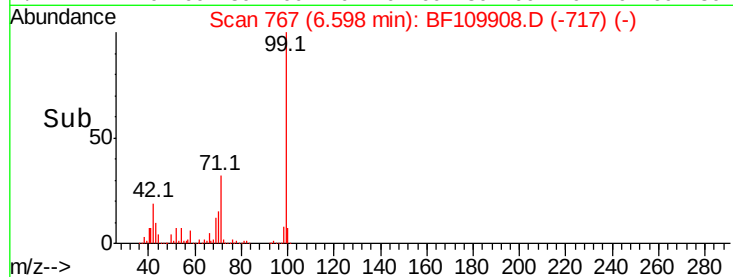
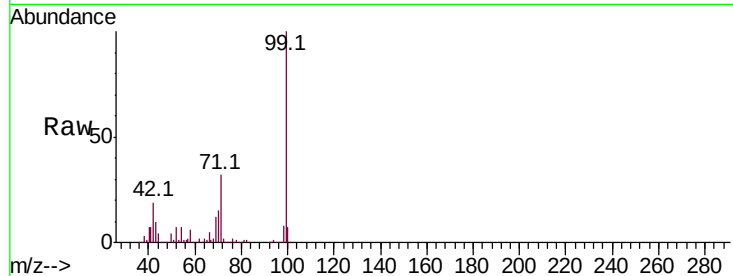
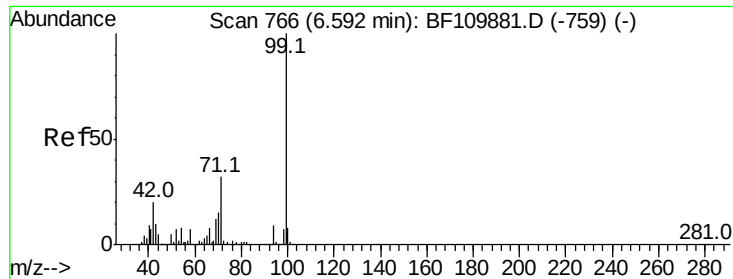
Abundance

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: 75.826 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF109908.D

Acq: 16 Oct 2018 16:33

Tot Ion: 99 Resp: 1546514

Ion Ratio Lower Upper

99 100

42 18.8 15.8 23.6

71 32.3 28.0 42.0

Instrument :

BNA_F

ClientSampleId :

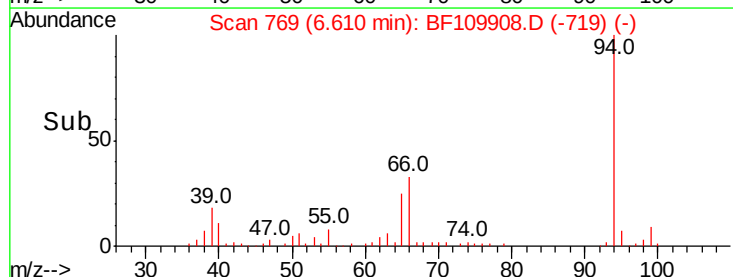
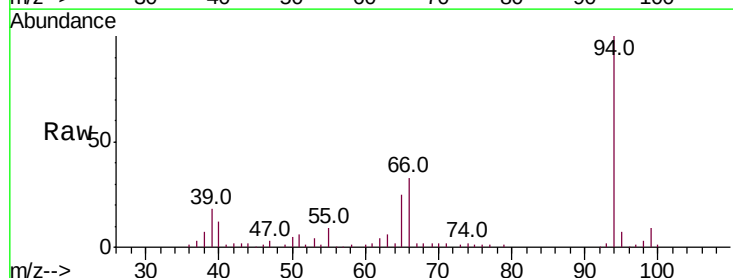
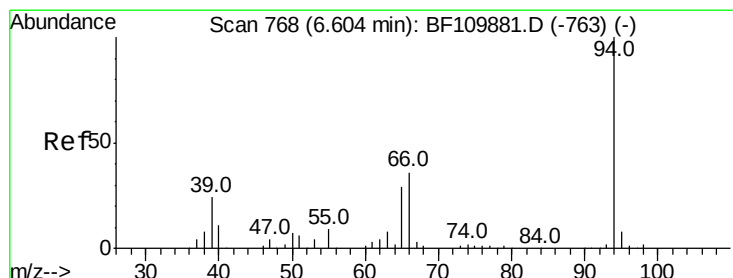
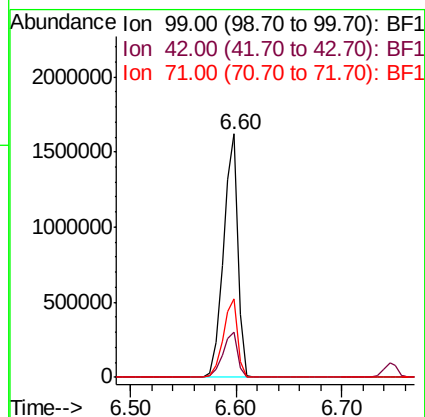
SUP-4A-C-101518-2

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#10

Phenol

Concen: 4.064 ng

RT: 6.61 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF109908.D

Acq: 16 Oct 2018 16:33

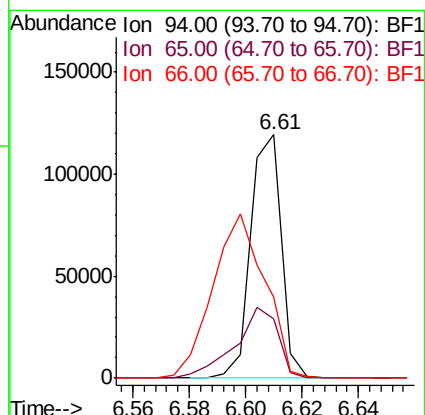
Tgt Ion: 94 Resp: 89491

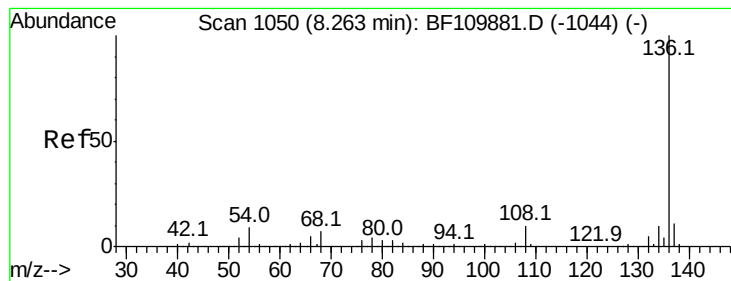
Ion Ratio Lower Upper

94 100

65 24.6 25.3 65.3#

66 33.5 54.5 94.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1050

Delta R.T. -0.01 min

Lab File: BF109908.D

Acq: 16 Oct 2018 16:33

Instrument :

BNA_F

ClientSampleId :

SUP-4A-C-101518-2

Tot Ion: 136 Resp: 964018
Ion Ratio Lower Upper

136 100

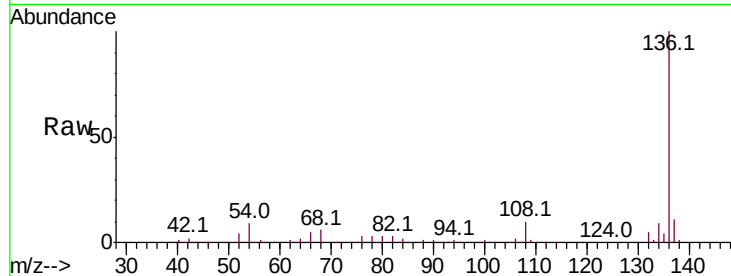
137 11.1 8.8 13.2

54 8.6 5.4 8.2#

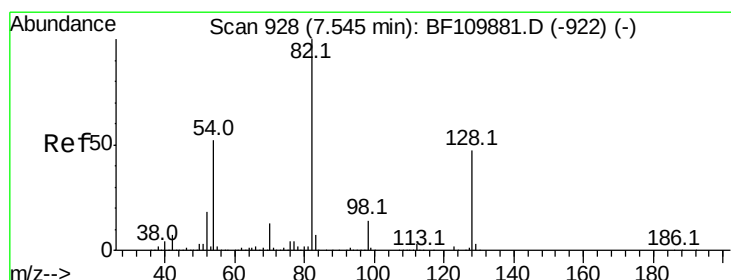
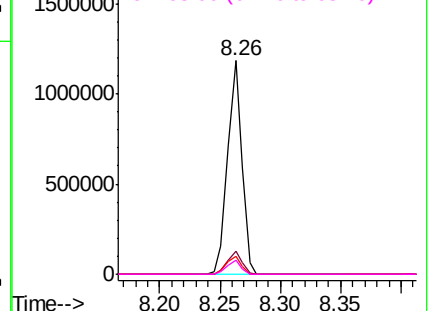
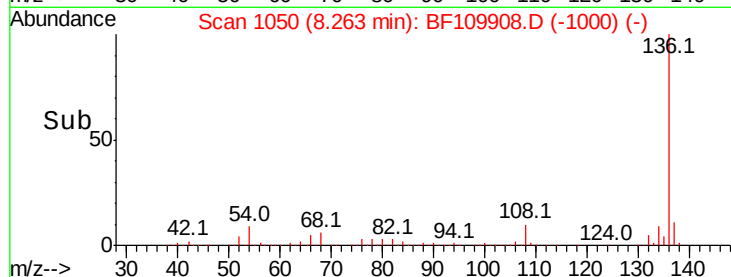
68 6.4 4.2 6.2#

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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: 65.467 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.01 min

Lab File: BF109908.D

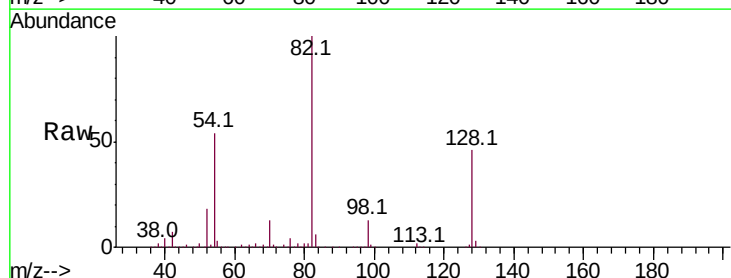
Acq: 16 Oct 2018 16:33

Tgt Ion: 82 Resp: 936876
Ion Ratio Lower Upper

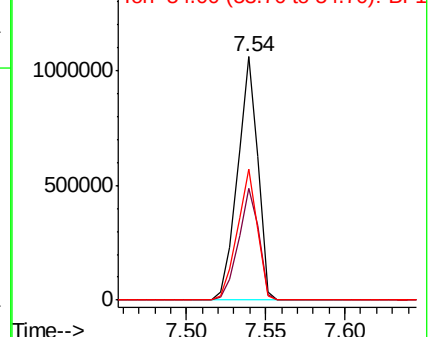
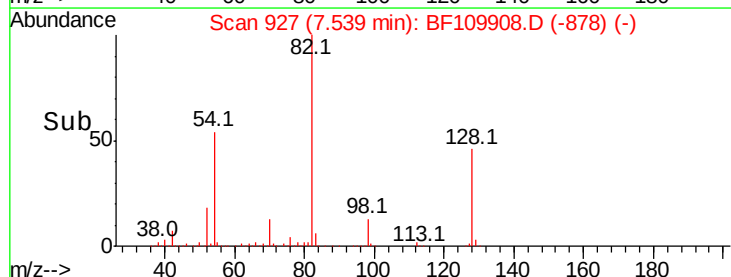
82 100

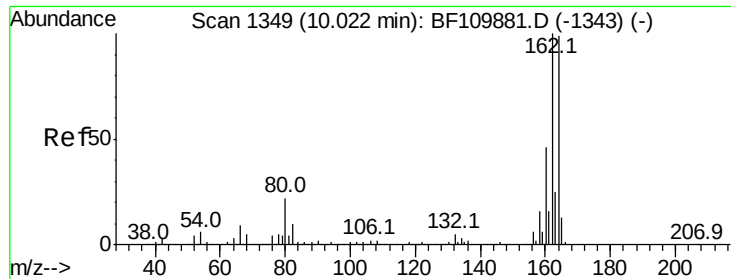
128 45.9 34.2 51.2

54 53.6 38.6 58.0



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





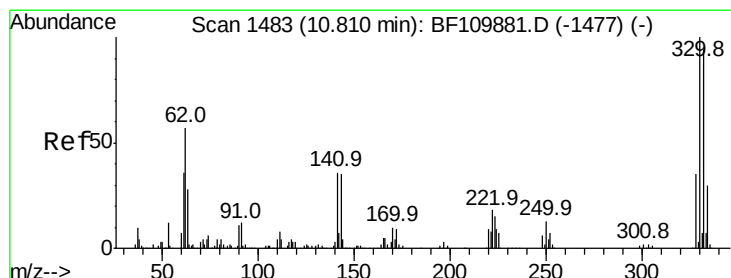
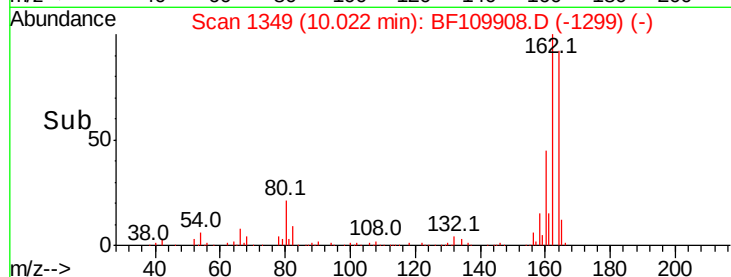
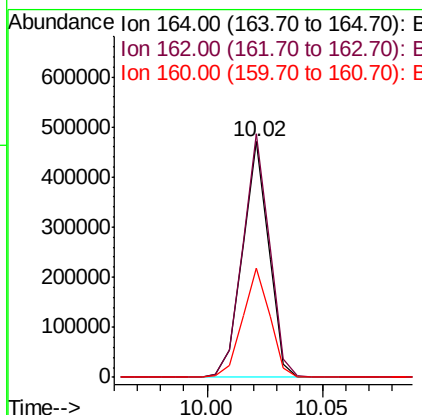
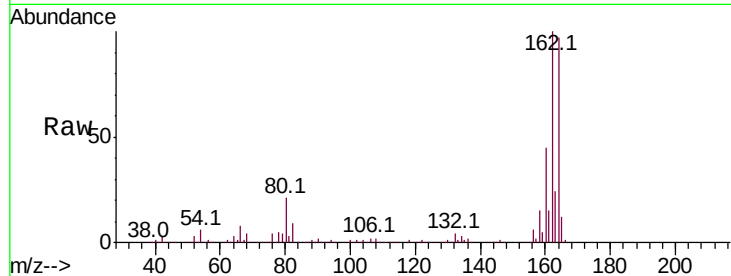
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1349
Delta R.T. -0.01 min
Lab File: BF109908.D
Acq: 16 Oct 2018 16:33

Instrument :
BNA_F
ClientSampleId :
SUP-4A-C-101518-2

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.2	83.0	124.6	
160	46.0	37.0	55.6	

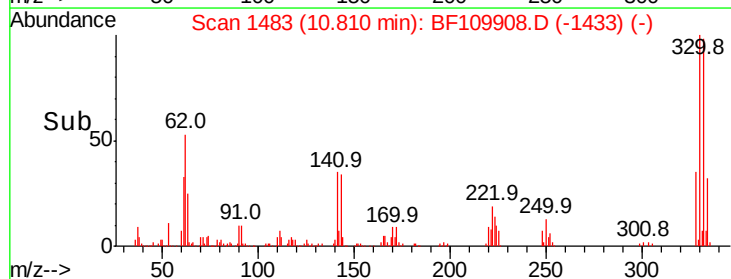
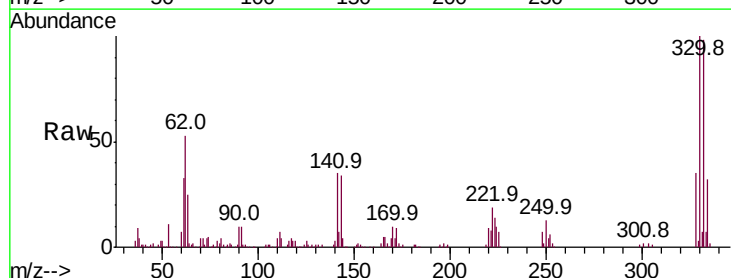
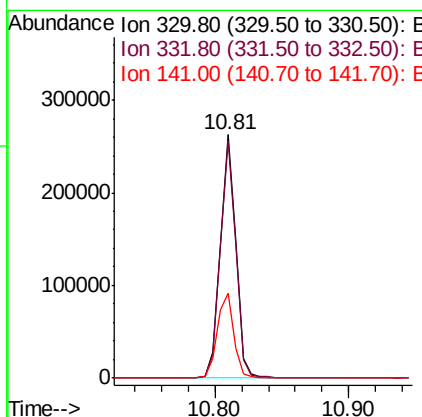
Manual Integrations
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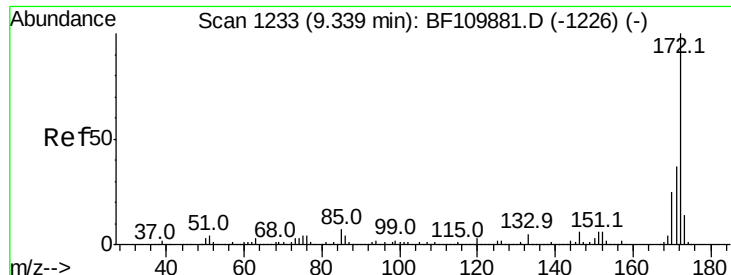
Sohil
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#42
2,4,6-Tribromophenol
Concen: 67.329 ng
RT: 10.81 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BF109908.D
Acq: 16 Oct 2018 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.5	77.1	115.7	
141	37.1	27.0	40.4	





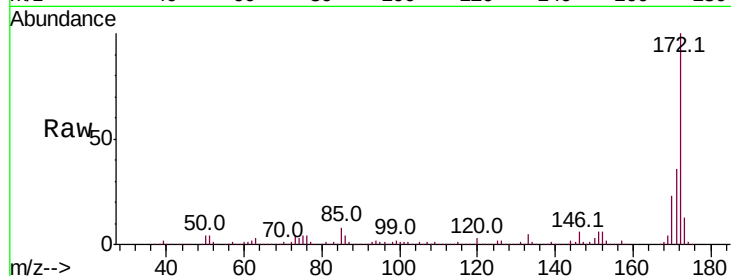
#45
2-Fluorobiphenyl
Concen: 60.204 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BF109908.D
Acq: 16 Oct 2018 16:33

Instrument :
BNA_F
ClientSampleId :
SUP-4A-C-101518-2

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	43.0
170	23.3	19.7	29.5

Manual Integrations
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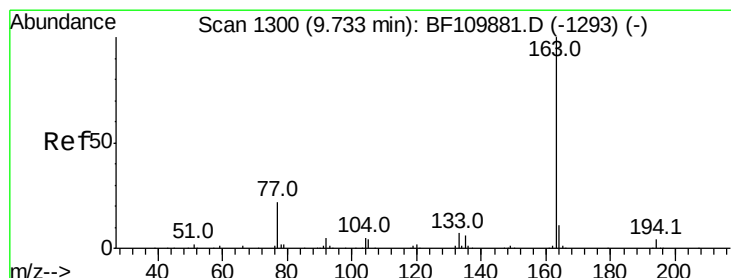
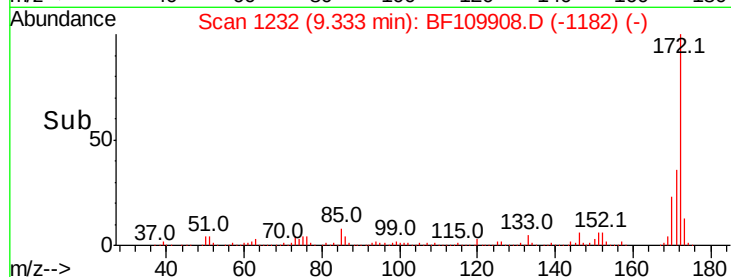
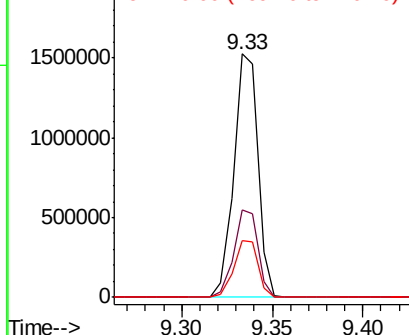


Abundance

Ion 172.00 (171.70 to 172.70): E

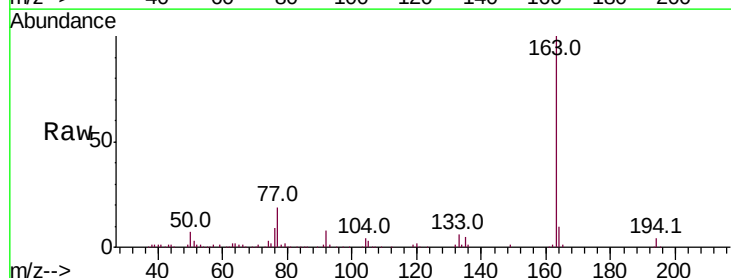
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 7.375 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF109908.D
Acq: 16 Oct 2018 16:33

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.2	4.8
164	9.6	8.1	12.1

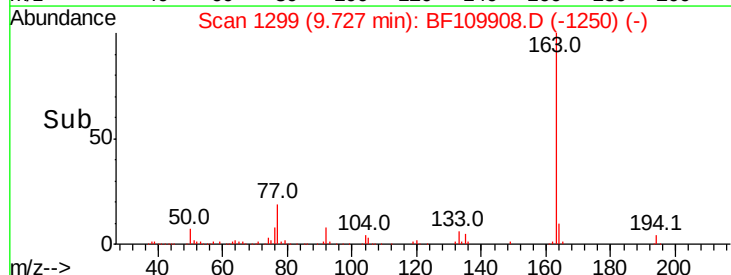
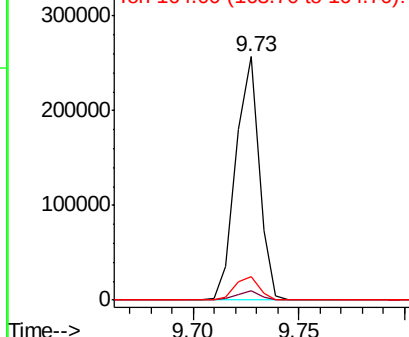


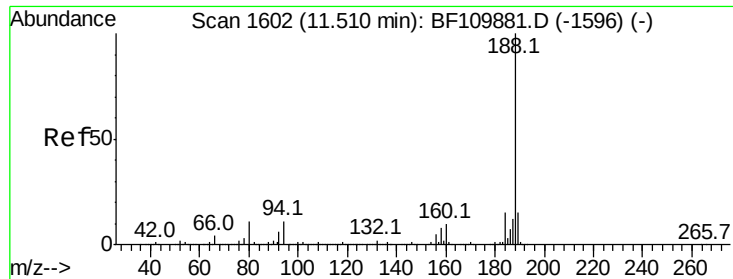
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





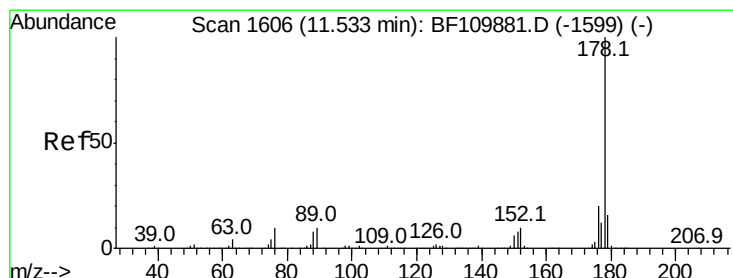
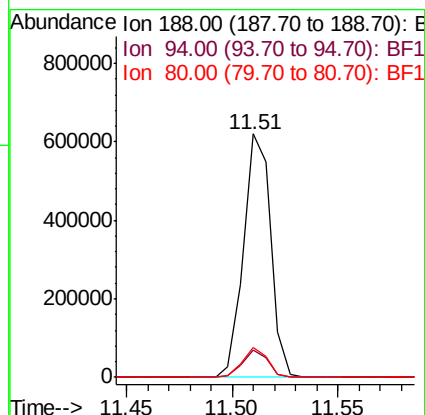
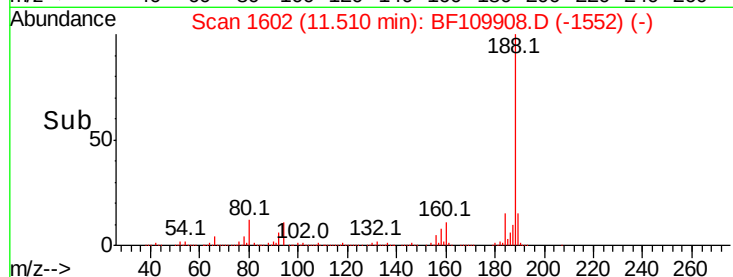
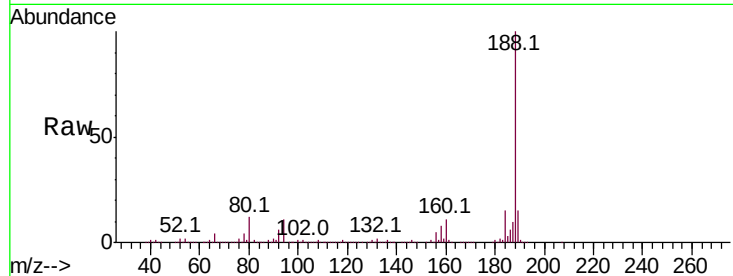
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BF109908.D
Acq: 16 Oct 2018 16:33

Instrument :
BNA_F
ClientSampleId :
SUP-4A-C-101518-2

Tot Ion	Ratio	Lower	Upper
188	100		
94	11.2	7.2	10.8#
80	12.2	7.9	11.9#

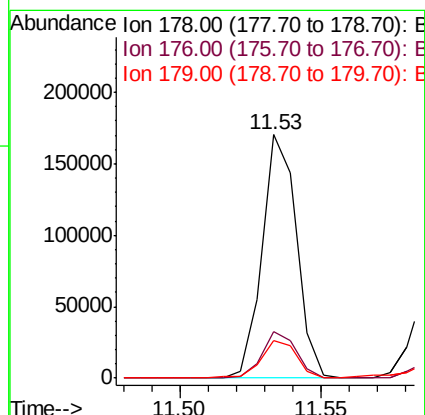
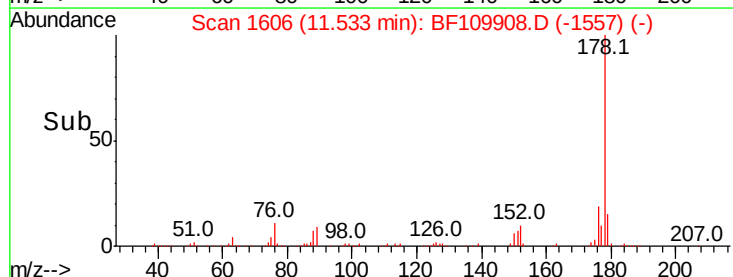
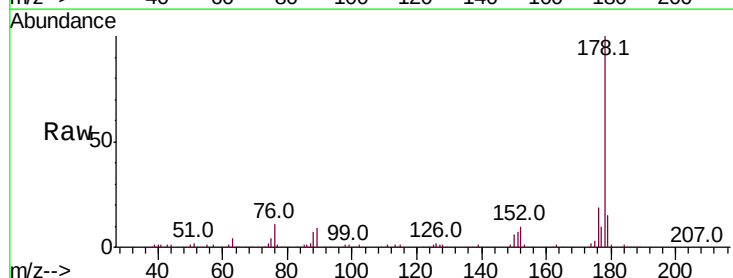
Manual Integrations
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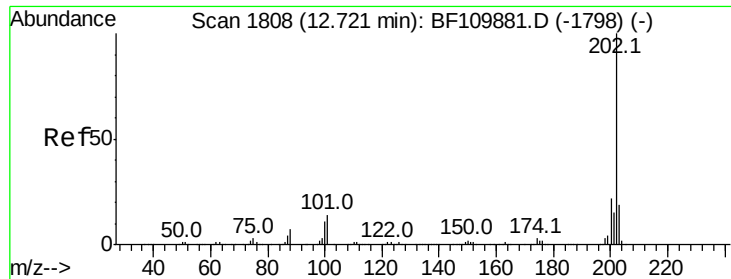
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#71
Phenanthrene
Concen: 5.077 ng
RT: 11.53 min Scan# 1606
Delta R.T. -0.01 min
Lab File: BF109908.D
Acq: 16 Oct 2018 16:33

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.5	12.5	18.7





#75

Fluoranthene

Concen: 15.587 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF109908.D

Acq: 16 Oct 2018 16:33

Instrument :

BNA_F

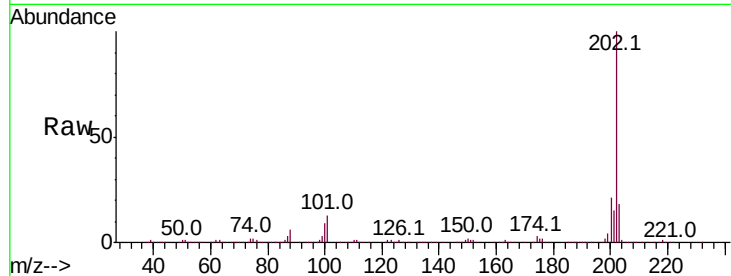
ClientSampleId :

SUP-4A-C-101518-2

Tot Ion	Ratio	Resp	Lower	Upper
202	100	442906		
101	13.1	0.0	31.4	
203	17.8	0.0	37.7	

Manual Integrations
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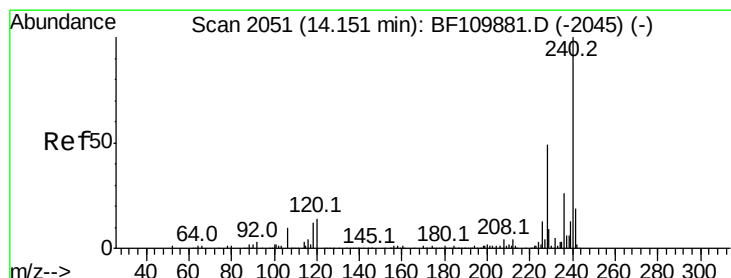
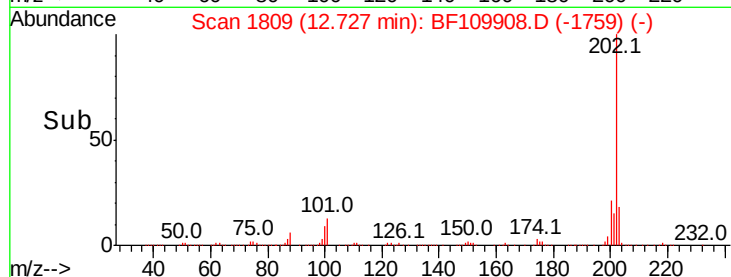
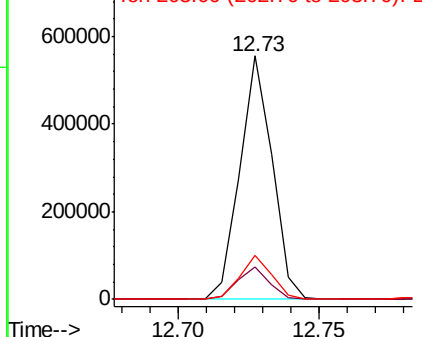
Sohil
10/17/2018 11:15:32 AM



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



#76

Chrysene-d12

Concen: 20.000 ng

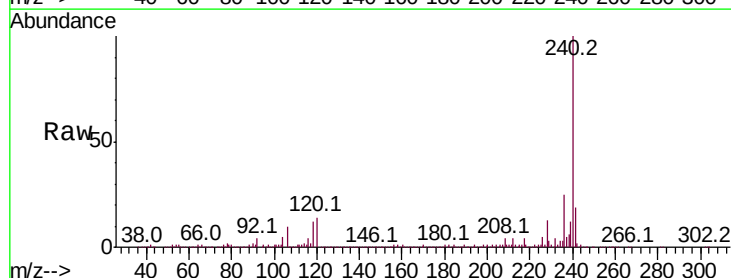
RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF109908.D

Acq: 16 Oct 2018 16:33

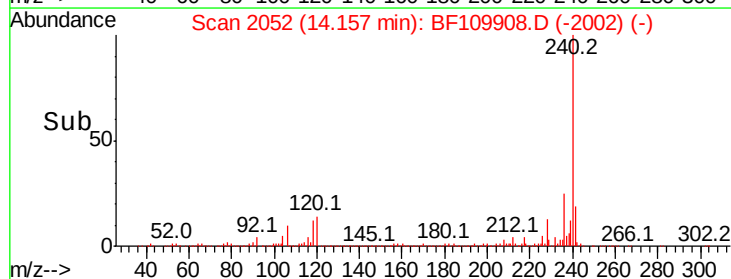
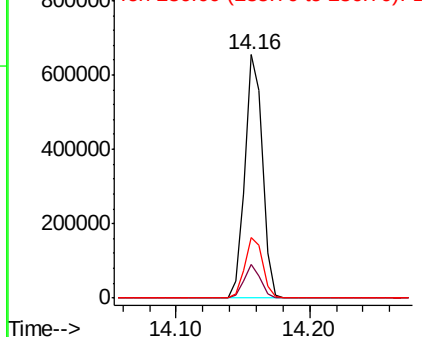
Tgt Ion	Ratio	Resp	Lower	Upper
240	100	592883		
120	13.8	8.3	12.5#	
236	24.8	21.2	31.8	

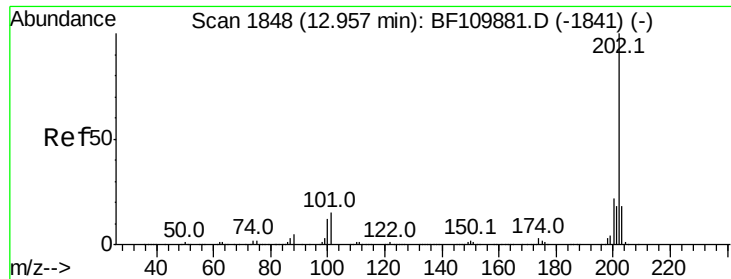


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





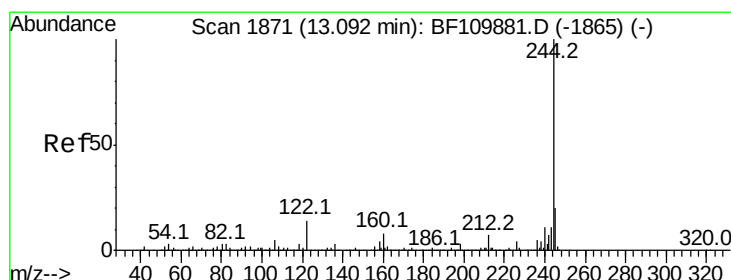
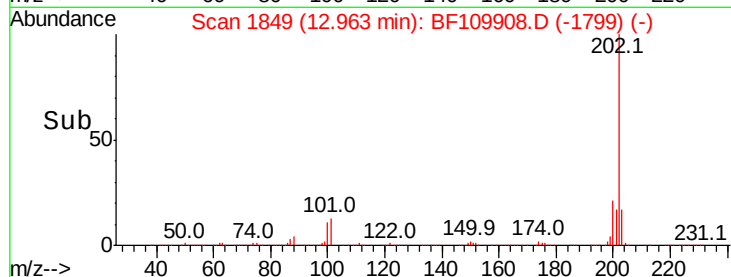
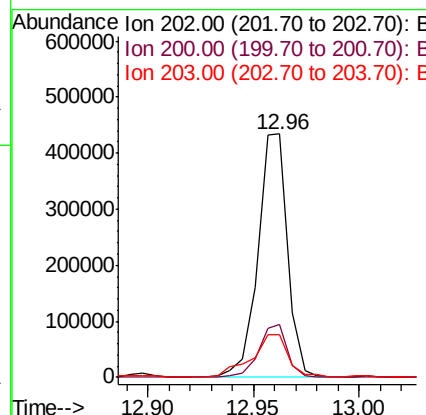
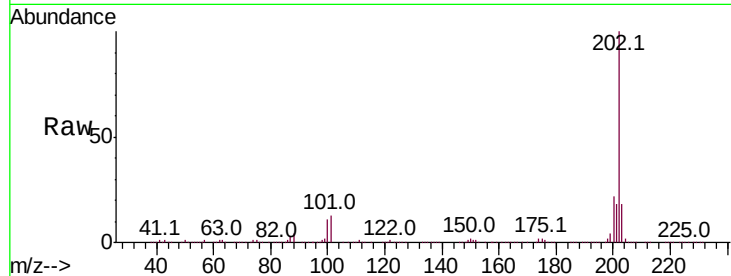
#78
Pvrene
Concen: 9.738 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF109908.D
Acq: 16 Oct 2018 16:33

Instrument :
BNA_F
ClientSampleId :
SUP-4A-C-101518-2

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.8	26.6
203	17.7	14.2	21.4

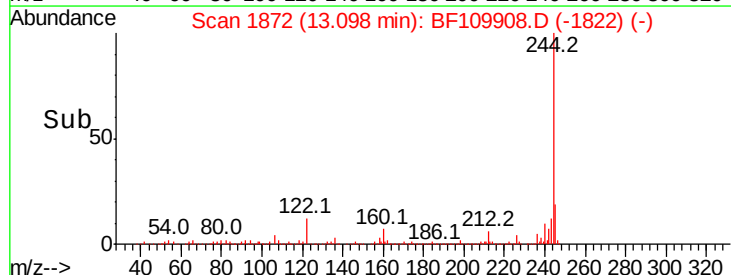
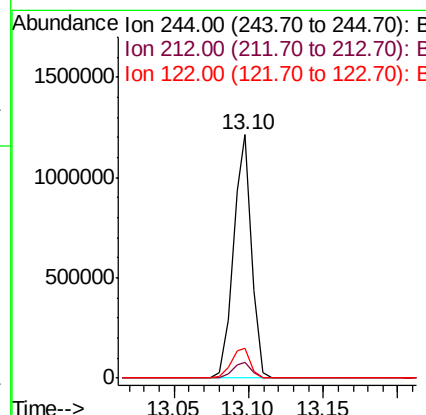
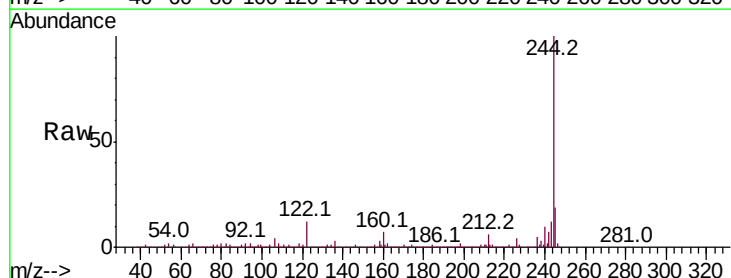
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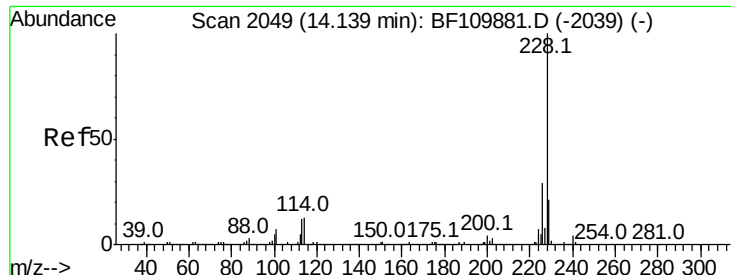
Sohil
10/17/2018 11:15:32 AM



#79
Terphenyl-d14
Concen: 36.677 ng
RT: 13.10 min Scan# 1872
Delta R.T. -0.01 min
Lab File: BF109908.D
Acq: 16 Oct 2018 16:33

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.8
122	12.2	8.7	13.1





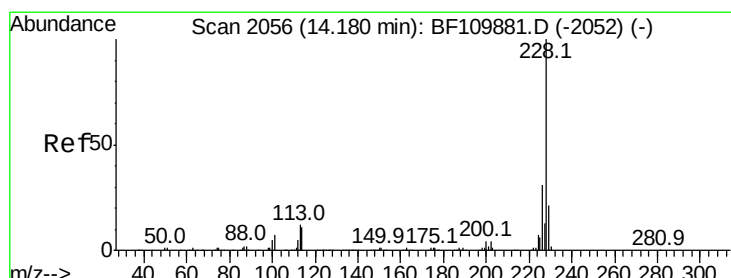
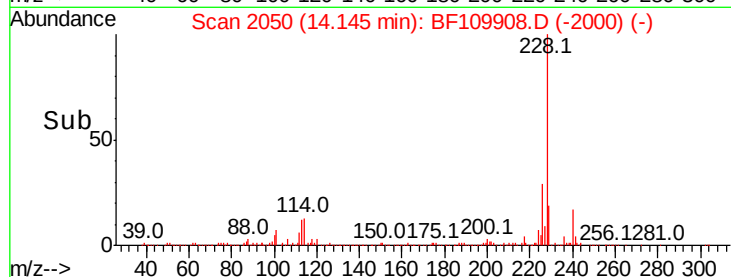
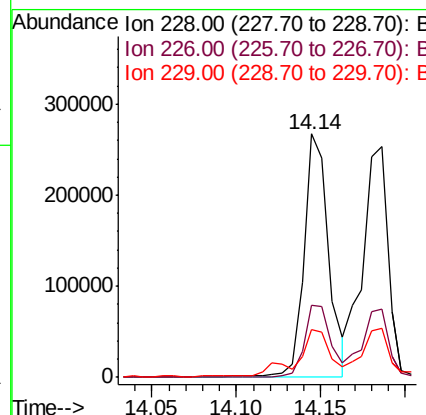
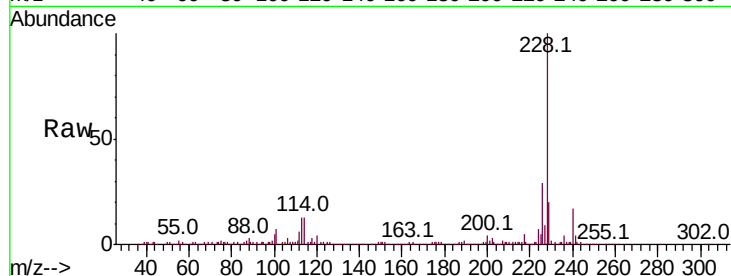
#81
Benzo(a)anthracene
Concen: 7.703 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF109908.D
Acq: 16 Oct 2018 16:33

Instrument :
BNA_F
ClientSampleId :
SUP-4A-C-101518-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.1	33.1
229	19.8	15.6	23.4

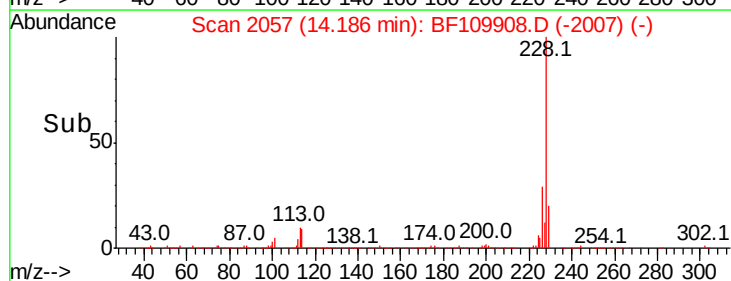
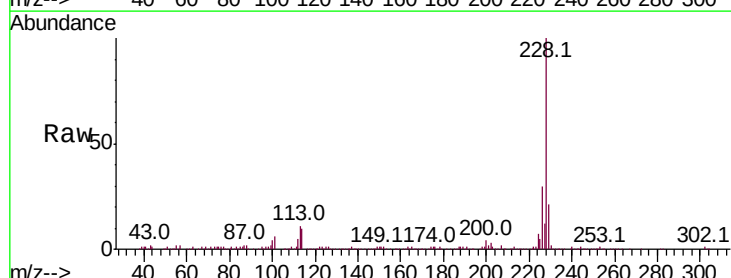
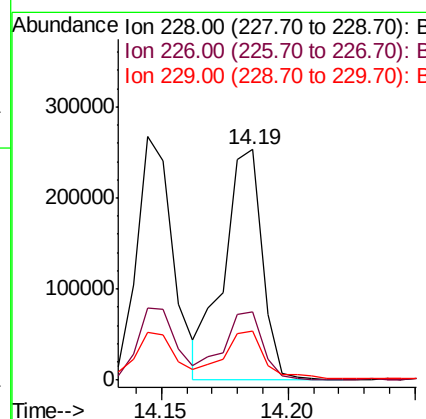
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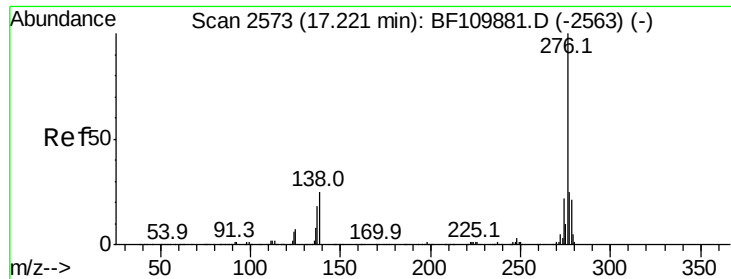
Sohil
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#83
Chrysene
Concen: 7.927 ng
RT: 14.19 min Scan# 2057
Delta R.T. -0.01 min
Lab File: BF109908.D
Acq: 16 Oct 2018 16:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.7	37.1
229	21.2	15.9	23.9





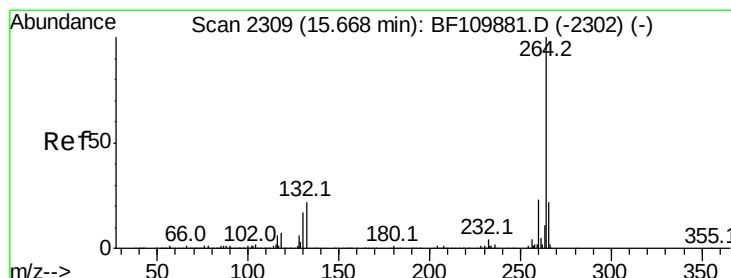
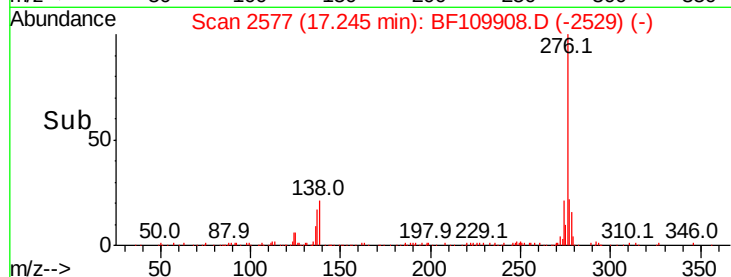
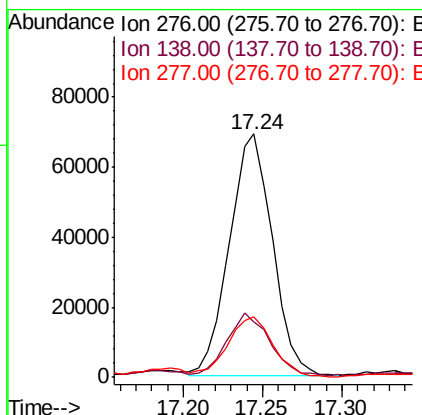
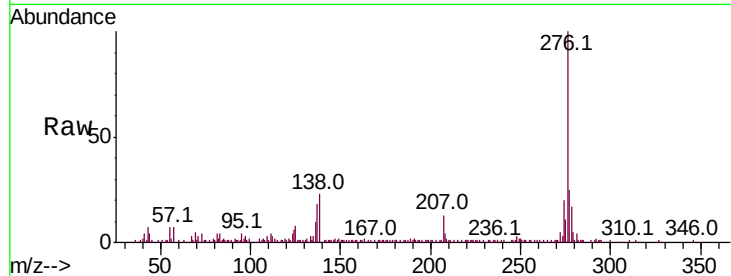
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.828 ng
 RT: 17.24 min Scan# 2577
 Delta R.T. -0.02 min
 Lab File: BF109908.D
 Acq: 16 Oct 2018 16:33

Instrument :
 BNA_F
 ClientSampleId :
 SUP-4A-C-101518-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.5	18.5	27.7
277	26.9	20.0	30.0

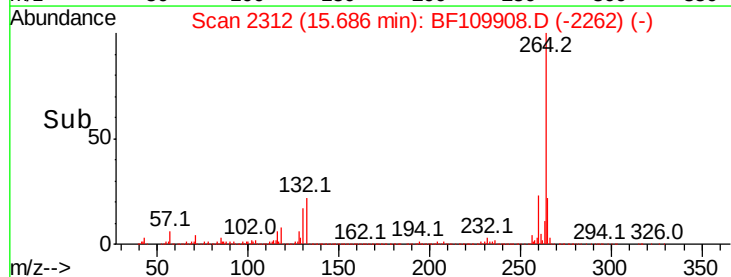
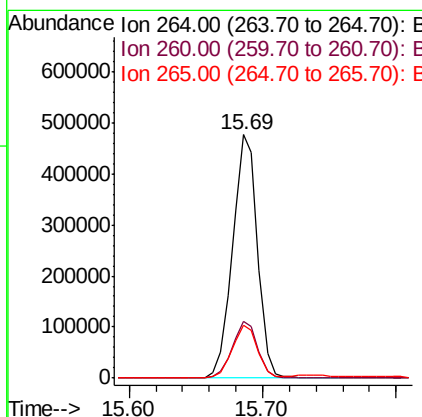
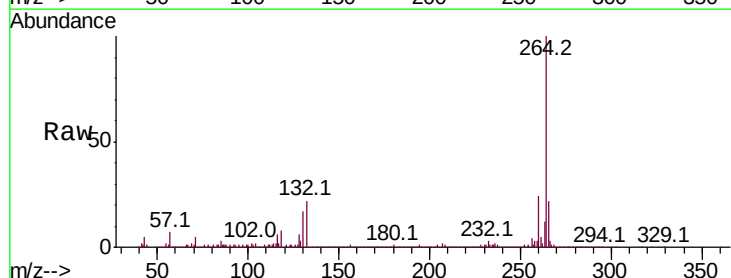
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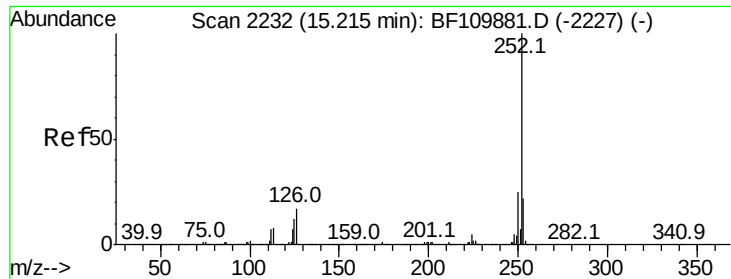
Sohil
 10/17/2018 11:15:32 AM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2312
 Delta R.T. -0.01 min
 Lab File: BF109908.D
 Acq: 16 Oct 2018 16:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	21.8	16.7	25.1





#88

Benzo(b)fluoranthene

Concen: 10.781 ng m

RT: 15.23 min Scan# 2234

Delta R.T. -0.01 min

Lab File: BF109908.D

Acq: 16 Oct 2018 16:33

Instrument :

BNA_F

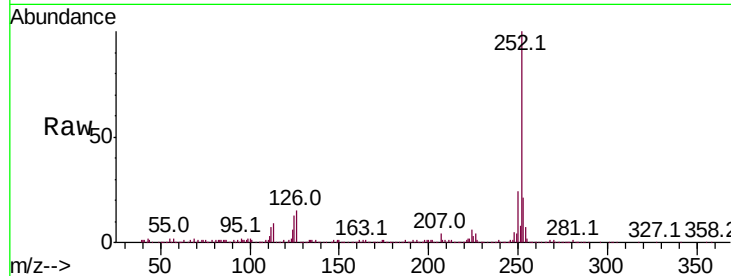
ClientSampleId :

SUP-4A-C-101518-2

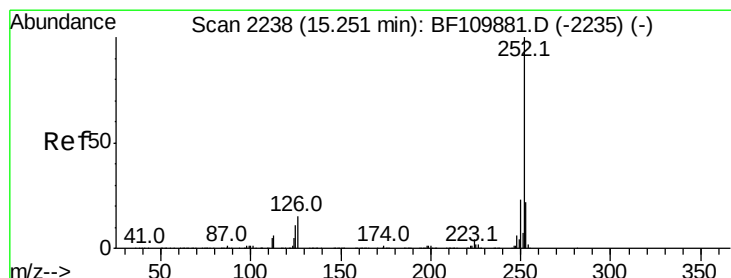
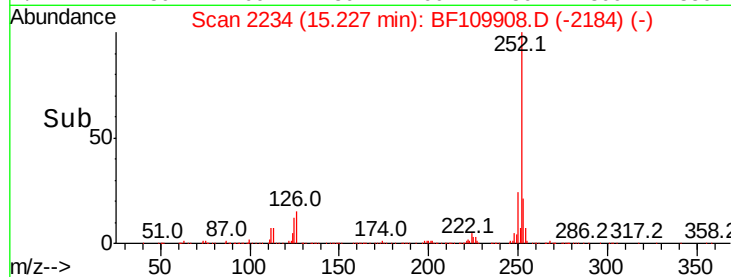
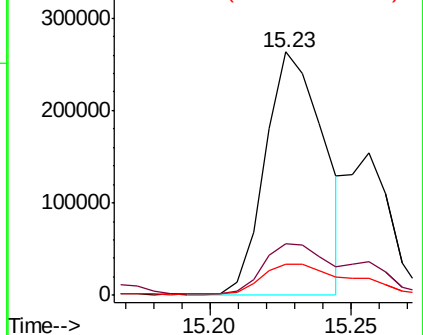
Tot Ion:	252	Resp:	382788
Ion Ratio	Lower	Upper	
252	100		
253	21.3	17.2	25.8
125	12.7	8.2	12.4#

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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(k)fluoranthene

Concen: 4.463 ng m

RT: 15.26 min Scan# 2239

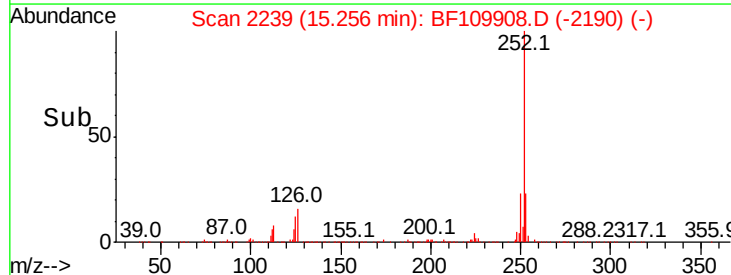
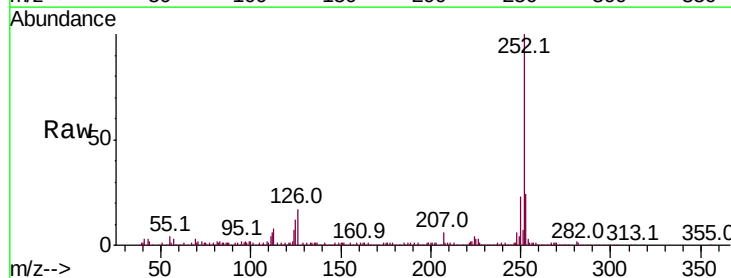
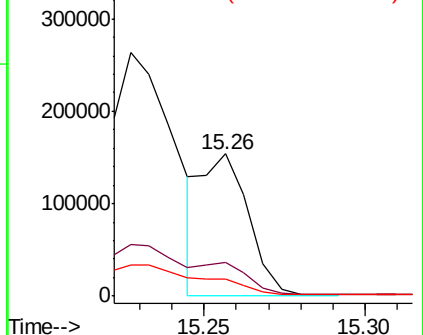
Delta R.T. -0.01 min

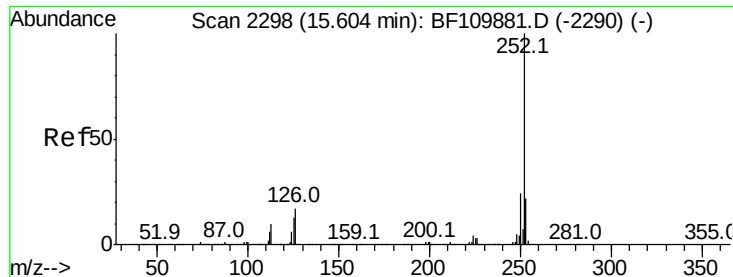
Lab File: BF109908.D

Acq: 16 Oct 2018 16:33

Tgt Ion:	252	Resp:	156181
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.2	25.8
125	12.4	7.4	11.0#

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





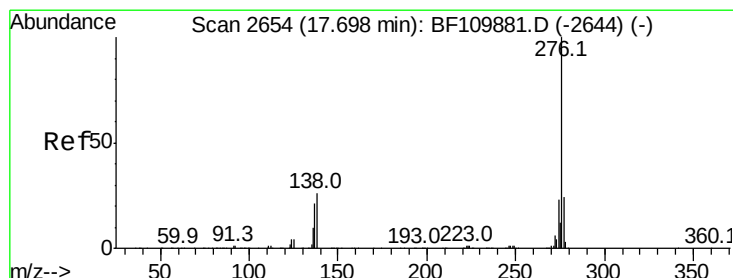
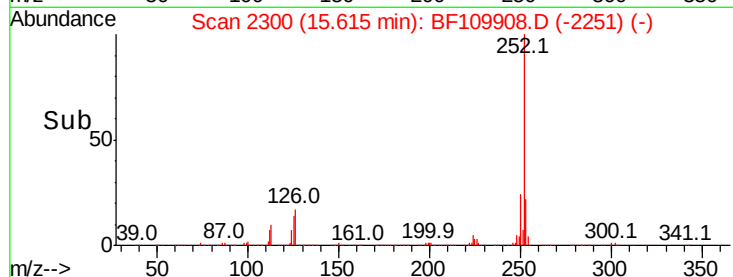
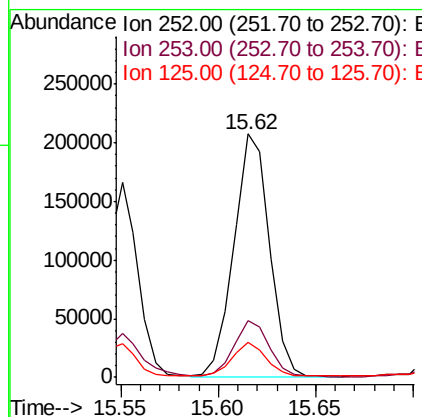
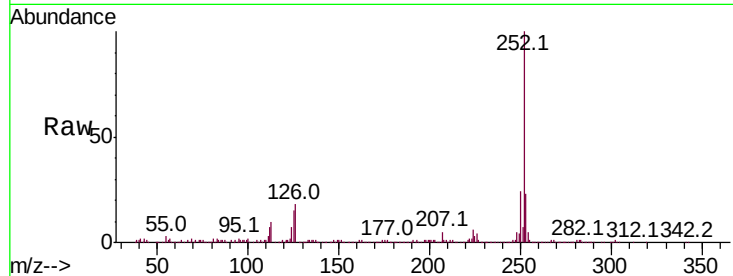
#90
Benzo(a)pyrene
Concen: 7.983 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF109908.D
Acq: 16 Oct 2018 16:33

Instrument :
BNA_F
ClientSampleId :
SUP-4A-C-101518-2

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.3	18.2	27.4
125	14.5	9.0	13.6

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 3.830 ng
RT: 17.72 min Scan# 2657
Delta R.T. -0.02 min
Lab File: BF109908.D
Acq: 16 Oct 2018 16:33

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	27.1	18.8	28.2
138	28.6	16.0	24.0

