

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101618\
 Data File : BF109907.D
 Acq On : 16 Oct 2018 16:06
 Operator : JU/SJ
 Sample : J5526-22
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-4A-C-101518-1

Manual Integrations
 APPROVED

Sohil
 10/17/2018 11:15:21 AM

Quant Time: Oct 17 10:26:01 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	238973	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	844758	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	321264	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	484896	20.00	ng	0.00
76) Chrysene-d12	14.16	240	547389	20.00	ng	0.00
87) Perylene-d12	15.69	264	587468	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1810751	120.11	ng	0.00
7) Phenol-d6	6.60	99	2220658	118.62	ng	0.00
23) Nitrobenzene-d5	7.55	82	1374703	109.62	ng	0.00
42) 2,4,6-Tribromophenol	10.81	330	339500	122.06	ng	0.00
45) 2-Fluorobiphenyl	9.34	172	1980546	98.37	ng	0.00
79) Terphenyl-d14	13.10	244	1605899	61.61	ng	0.00
Target Compounds						
10) Phenol	6.61	94	131107	6.487	ng	Qvalue # 71
50) Dimethylphthalate	9.73	163	314956	13.845	ng	99
71) Phenanthrene	11.53	178	100236	3.993	ng	99
75) Fluoranthene	12.73	202	262787	10.479	ng	98
78) Pyrene	12.96	202	246036	6.120	ng	98
81) Benzo(a)anthracene	14.14	228	152657	4.735	ng	96
83) Chrysene	14.18	228	154728	5.042	ng	97
86) Indeno(1,2,3-cd)pyrene	17.24	276	67639	2.737	ng	96
88) Benzo(b)fluoranthene	15.23	252	224108m	6.617	ng	
89) Benzo(k)fluoranthene	15.26	252	81196m	2.432	ng	
90) Benzo(a)pyrene	15.62	252	134621	4.322	ng	98
92) Benzo(a,h,i)perylene	17.72	276	56221	2.016	ng	# 93

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

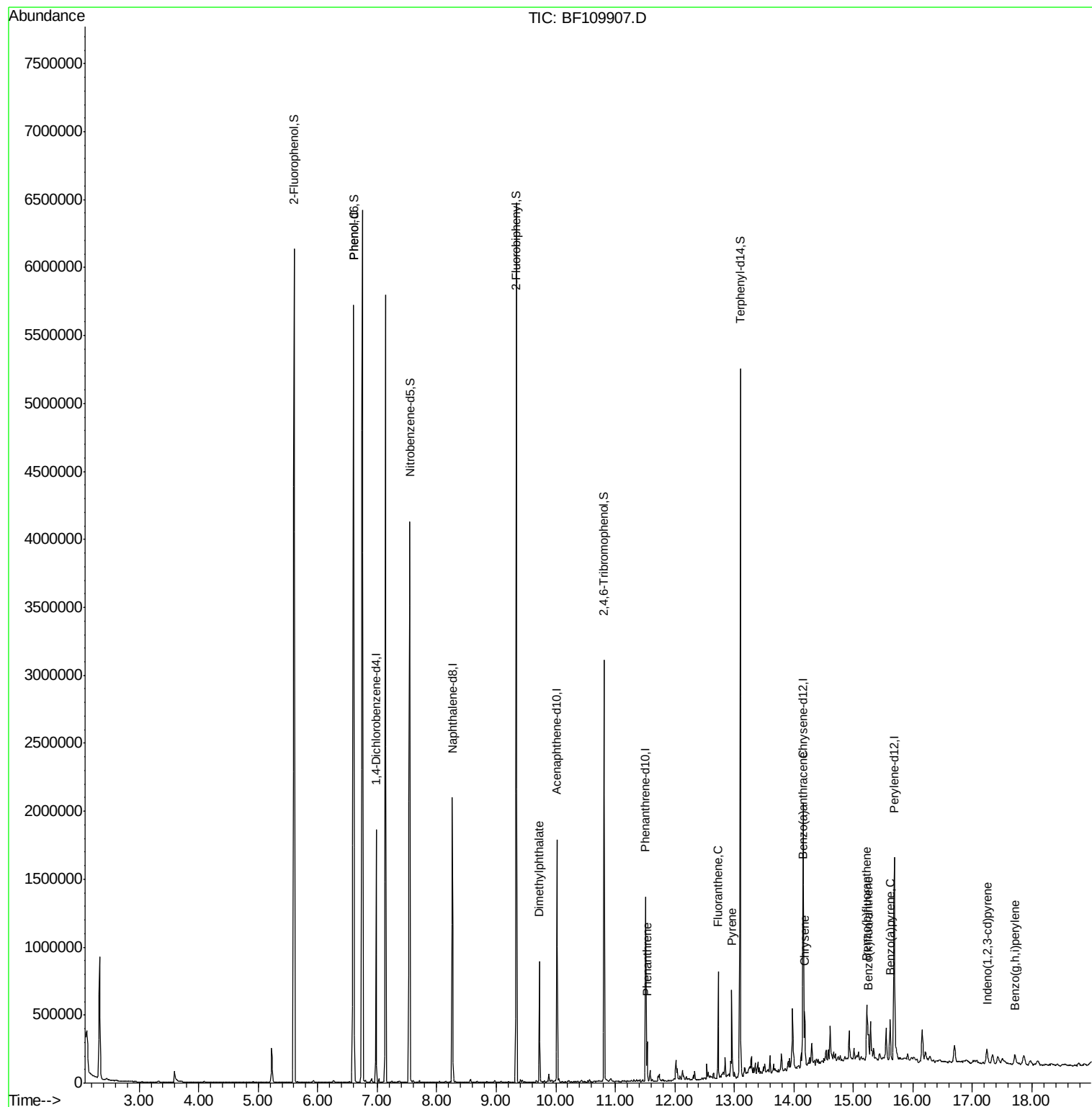
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101618\
Data File : BF109907.D
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Operator : JU/SJ
Sample : J5526-22
Misc :
ALS Vial : 9 Sample Multiplier: 1

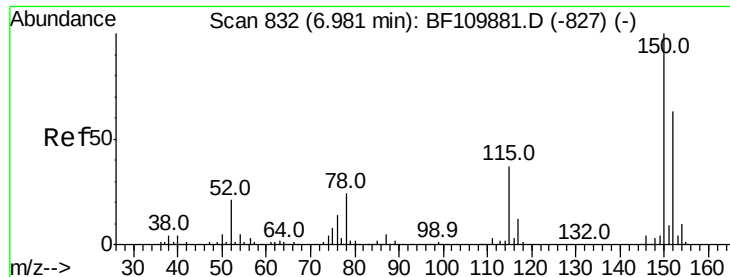
Instrument :
BNA_F
ClientSampleId :
SUP-4A-C-101518-1

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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

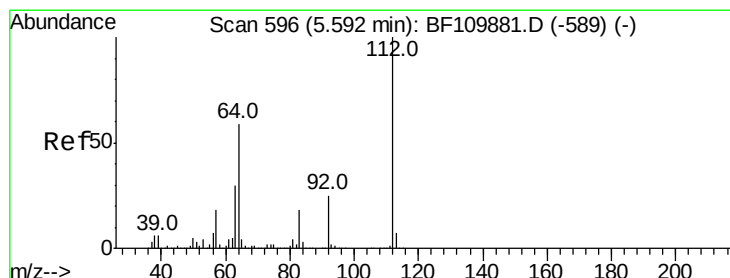
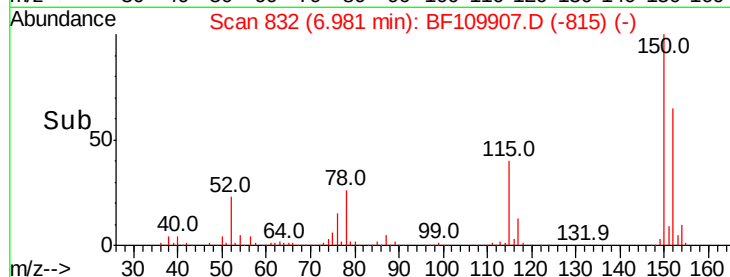
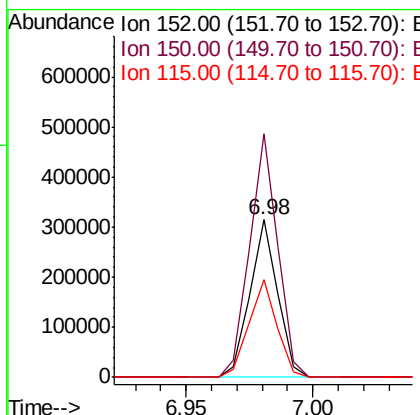
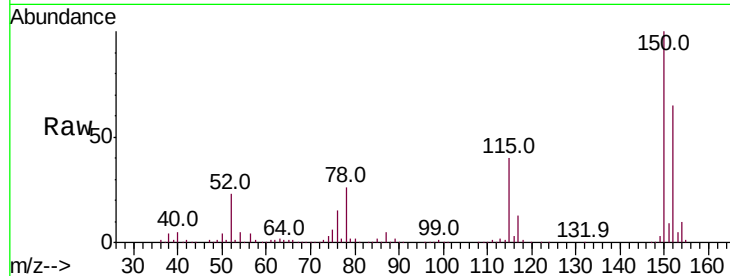
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 832
Delta R.T. -0.00 min
Lab File: BF109907.D
Acq: 16 Oct 2018 16:06

Instrument :
BNA_F
ClientSampleId :
SUP-4A-C-101518-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	122.7	184.1
115	61.9	49.1	73.7

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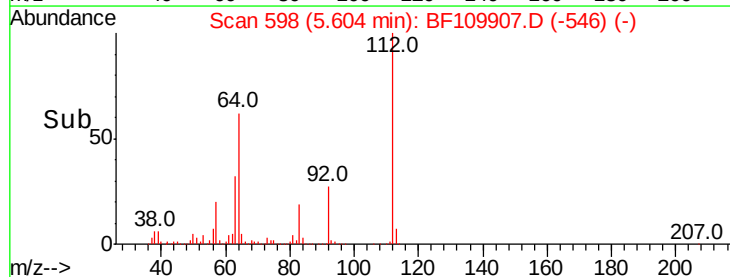
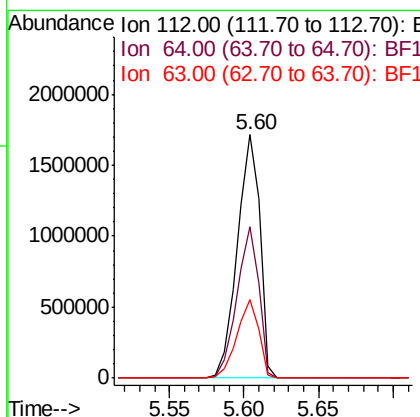
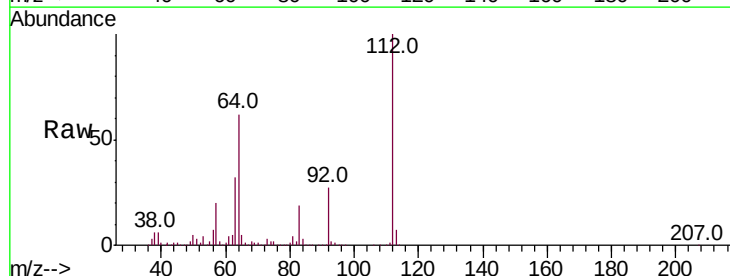
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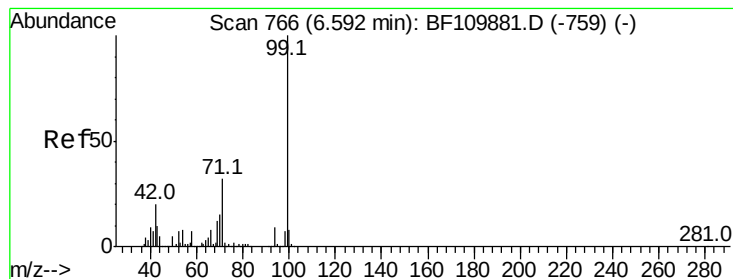


#5

2-Fluorophenol
Concen: 120.109 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.01 min
Lab File: BF109907.D
Acq: 16 Oct 2018 16:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.1	44.1	66.1
63	32.4	23.7	35.5





#7

Phenol-d6

Concen: 118.623 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.00 min

Lab File: BF109907.D

Acq: 16 Oct 2018 16:06

Instrument :

BNA_F

ClientSampleId :

SUP-4A-C-101518-1

Tot Ion: 99 Resp: 2220658

Ion Ratio Lower Upper

99 100

42 19.0 15.8 23.6

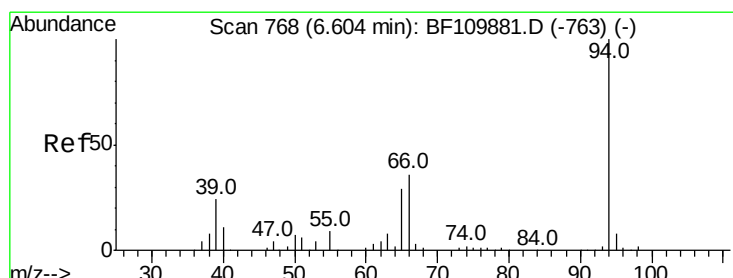
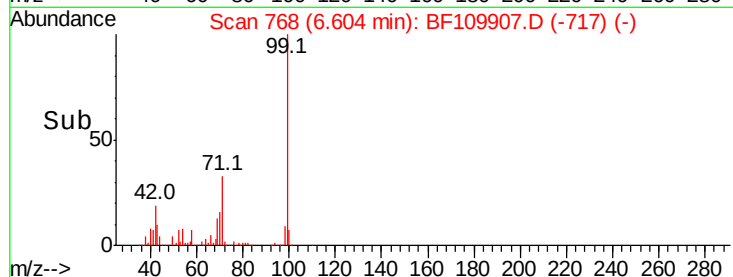
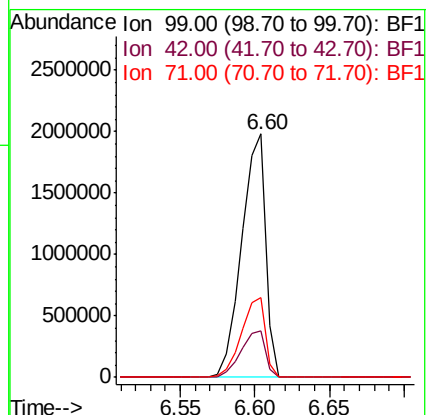
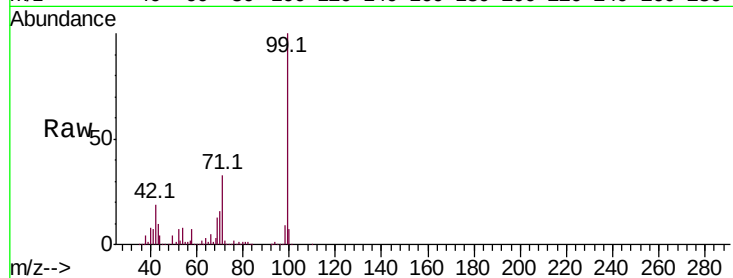
71 33.0 28.0 42.0

Manual Integrations

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#10

Phenol

Concen: 6.487 ng

RT: 6.61 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF109907.D

Acq: 16 Oct 2018 16:06

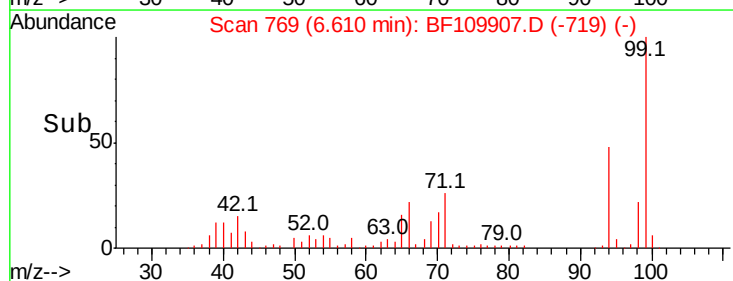
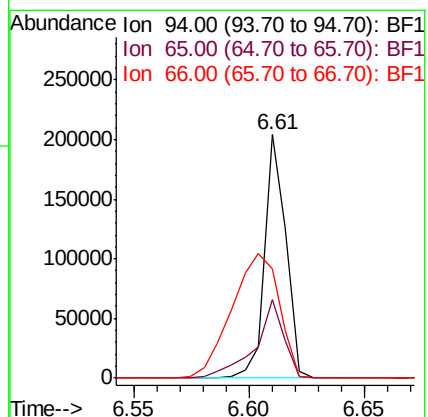
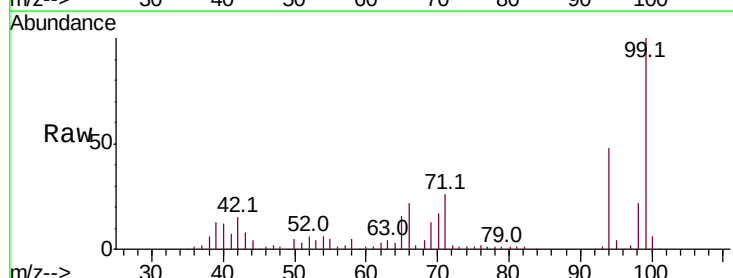
Tgt Ion: 94 Resp: 131107

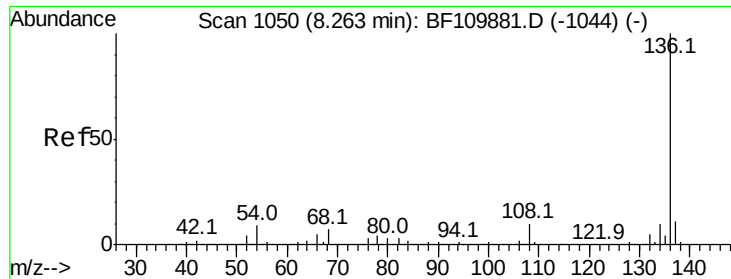
Ion Ratio Lower Upper

94 100

65 32.4 25.3 65.3

66 44.7 54.5 94.5#





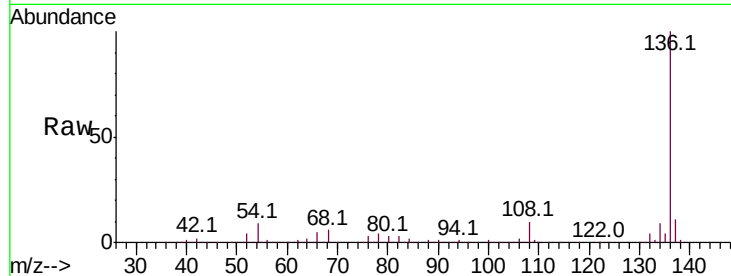
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1050
Delta R.T. -0.01 min
Lab File: BF109907.D
Acq: 16 Oct 2018 16:06

Instrument :
BNA_F
ClientSampleId :
SUP-4A-C-101518-1

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	8.6	5.4	8.2#
68	6.5	4.2	6.2#

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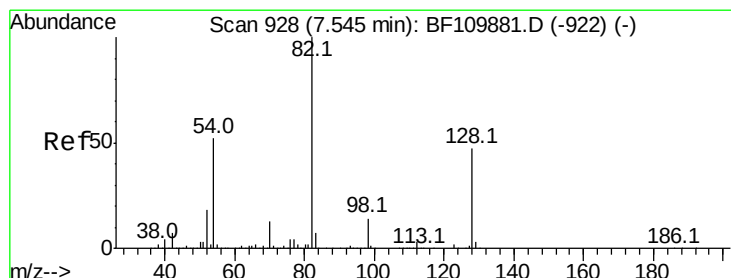
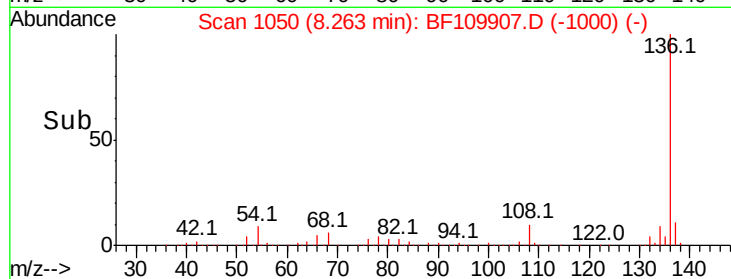
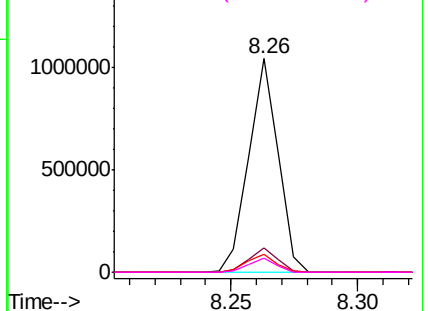
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

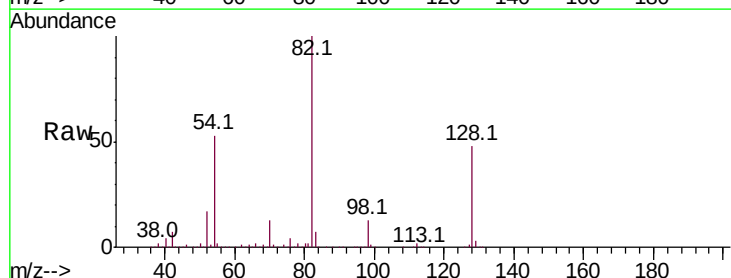
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23
Nitrobenzene-d5
Concen: 109.624 ng
RT: 7.55 min Scan# 928
Delta R.T. -0.01 min
Lab File: BF109907.D
Acq: 16 Oct 2018 16:06

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.5	34.2	51.2
54	53.0	38.6	58.0

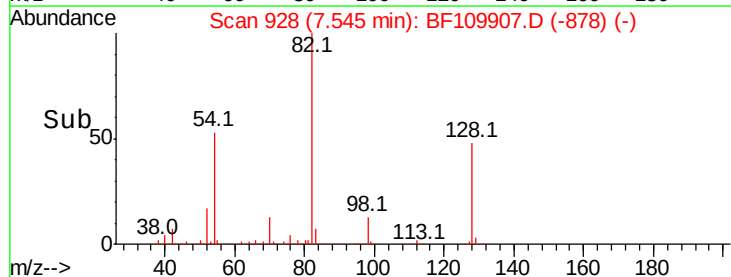
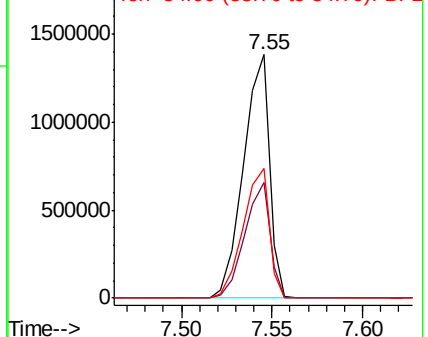


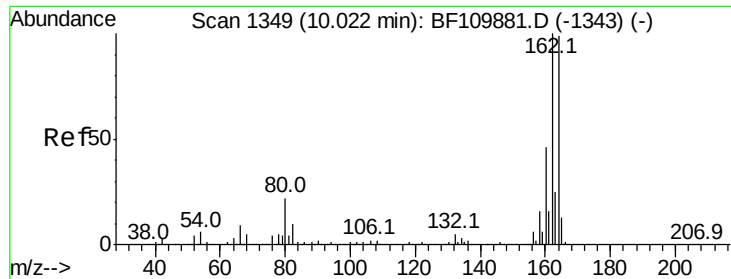
Abundance

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





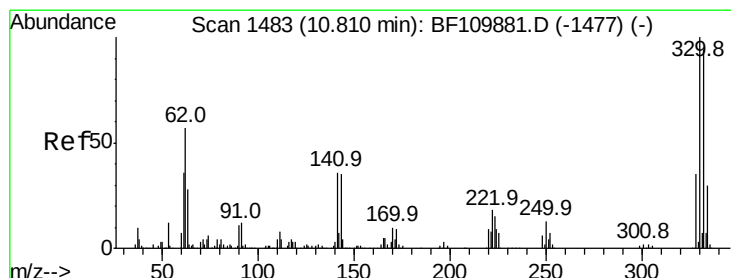
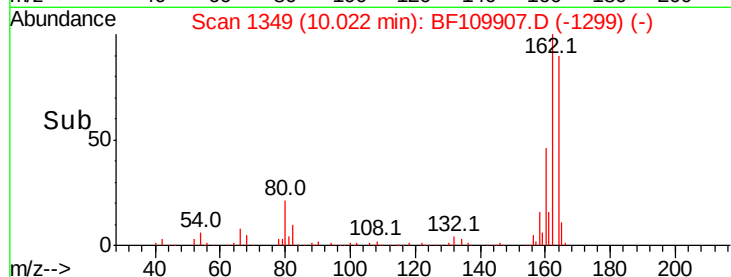
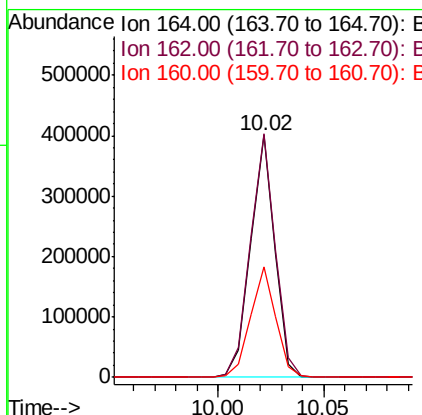
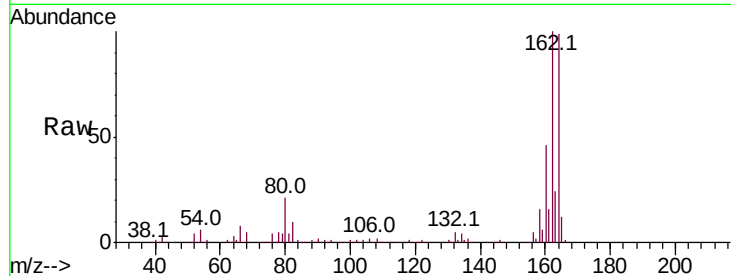
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1349
Delta R.T. -0.01 min
Lab File: BF109907.D
Acq: 16 Oct 2018 16:06

Instrument :
BNA_F
ClientSampleId :
SUP-4A-C-101518-1

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.6	83.0	124.6
160	45.9	37.0	55.6

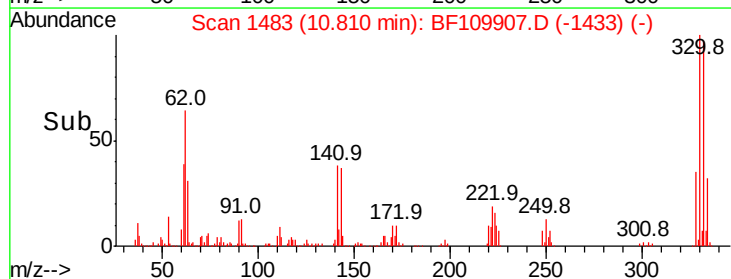
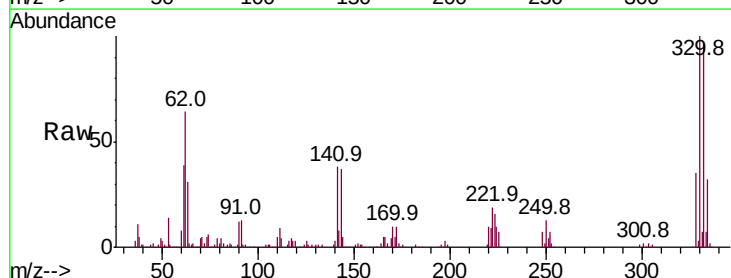
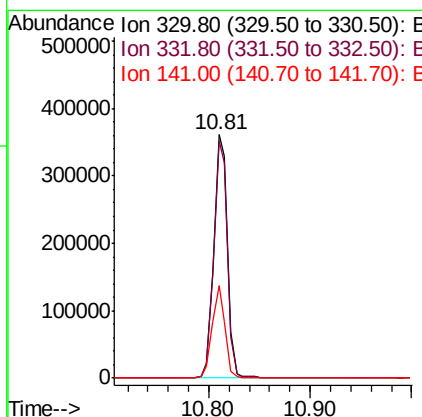
Manual Integrations
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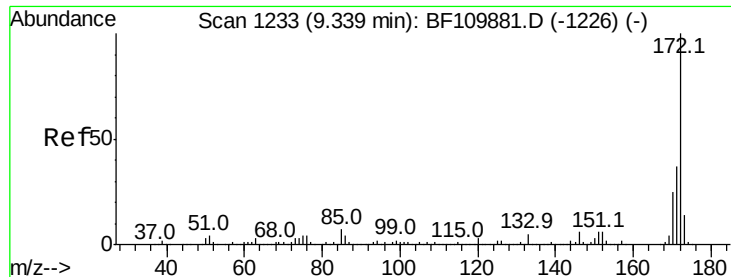
Sohil
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#42
2,4,6-Tribromophenol
Concen: 122.060 ng
RT: 10.81 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BF109907.D
Acq: 16 Oct 2018 16:06

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.1	115.7
141	35.5	27.0	40.4





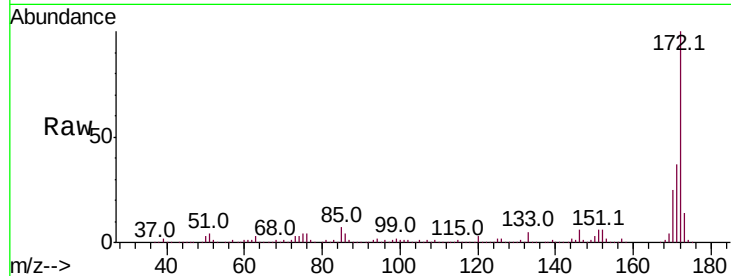
#45
2-Fluorobiphenyl
Concen: 98.370 ng
RT: 9.34 min Scan# 1233
Delta R.T. -0.00 min
Lab File: BF109907.D
Acq: 16 Oct 2018 16:06

Instrument :
BNA_F
ClientSampleId :
SUP-4A-C-101518-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.2	28.6	43.0
170	25.0	19.7	29.5

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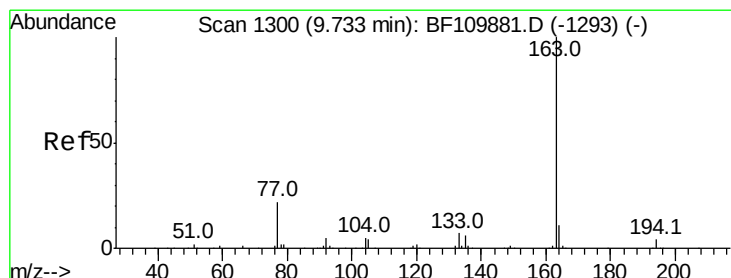
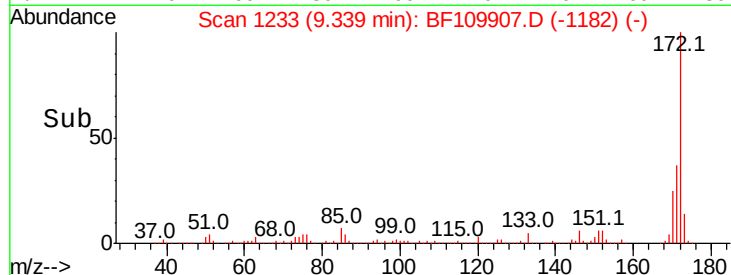
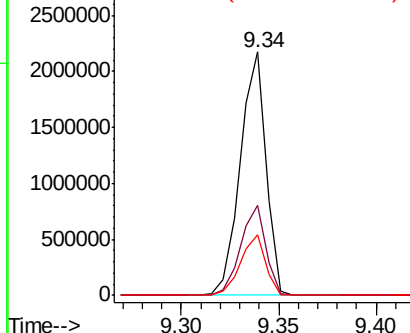


Abundance

Ion 172.00 (171.70 to 172.70): E

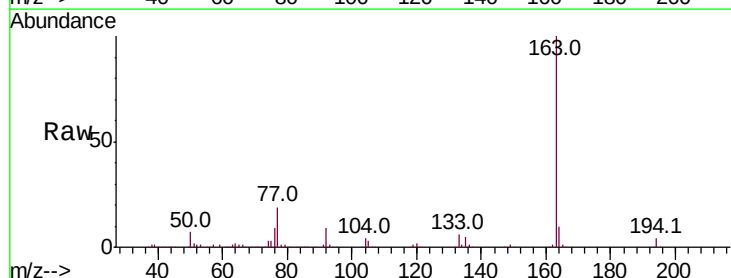
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 13.845 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF109907.D
Acq: 16 Oct 2018 16:06

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.2	4.8
164	9.7	8.1	12.1

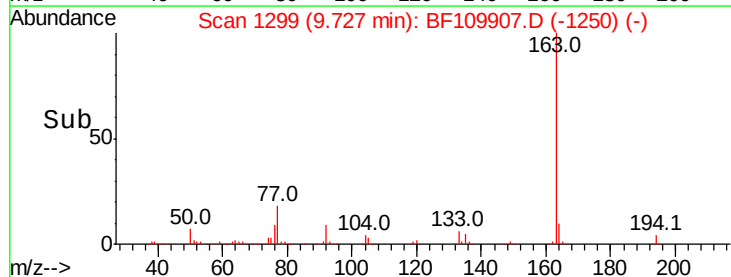
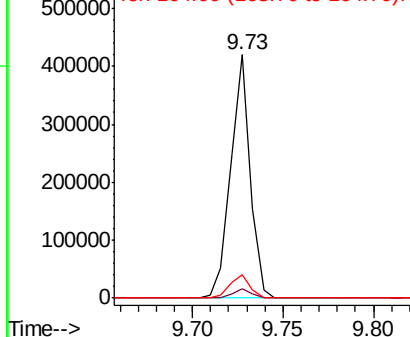


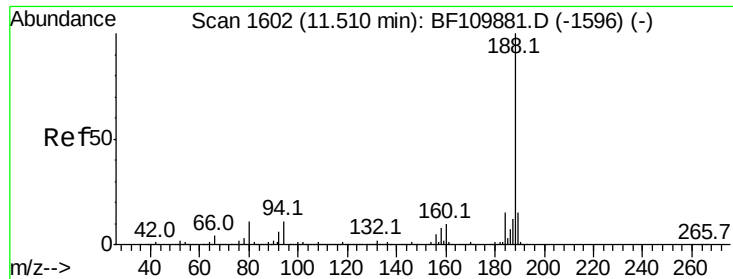
Abundance

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: BF109907.D

Acq: 16 Oct 2018 16:06

Instrument :

BNA_F

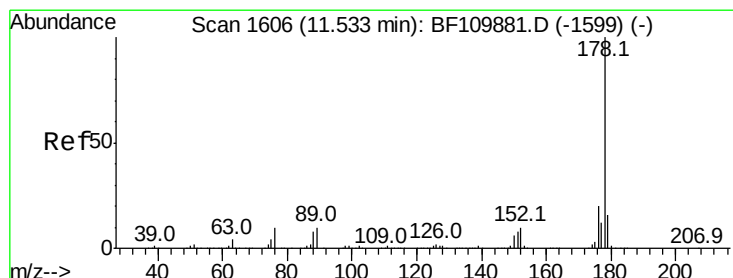
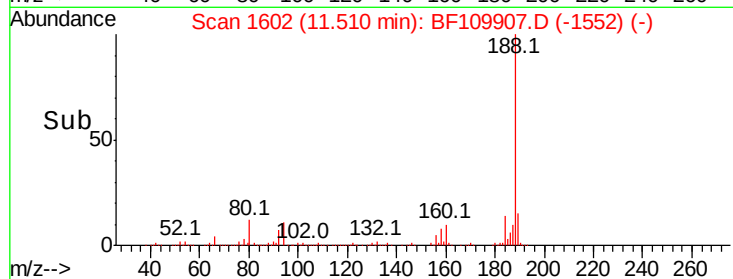
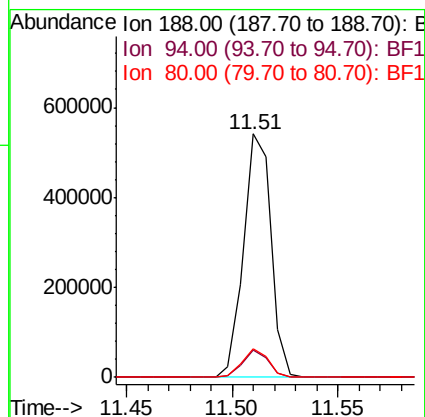
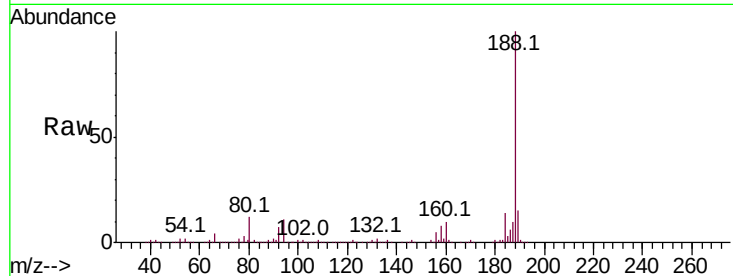
ClientSampleId :

SUP-4A-C-101518-1

Tot Ion:	188	Resp:	484896
Ion Ratio	Lower	Upper	
188	100		
94	11.3	7.2	10.8#
80	11.8	7.9	11.9

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#71

Phenanthrene

Concen: 3.993 ng

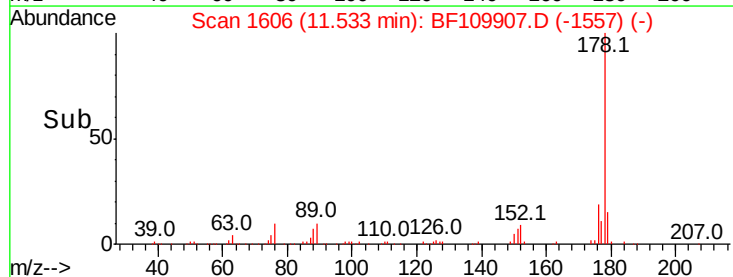
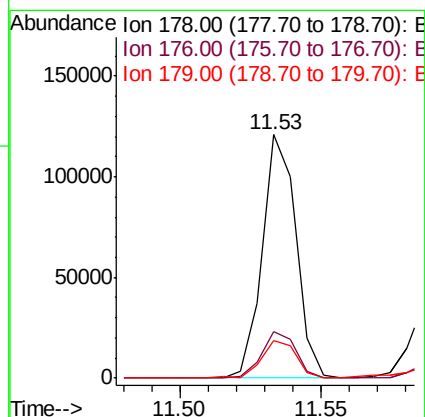
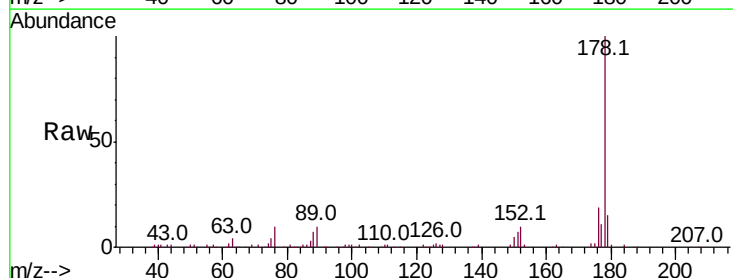
RT: 11.53 min Scan# 1606

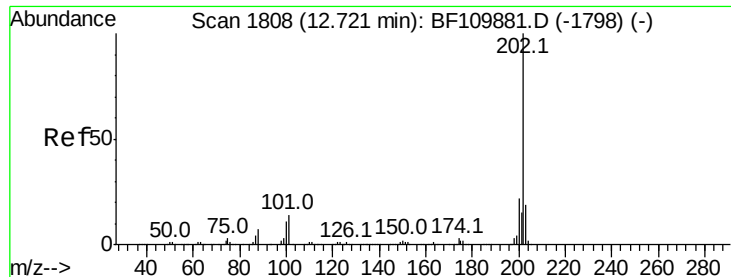
Delta R.T. -0.01 min

Lab File: BF109907.D

Acq: 16 Oct 2018 16:06

Tgt Ion:	178	Resp:	100236
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.5	23.3
179	15.2	12.5	18.7





#75

Fluoranthene

Concen: 10.479 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF109907.D

Acq: 16 Oct 2018 16:06

Instrument :

BNA_F

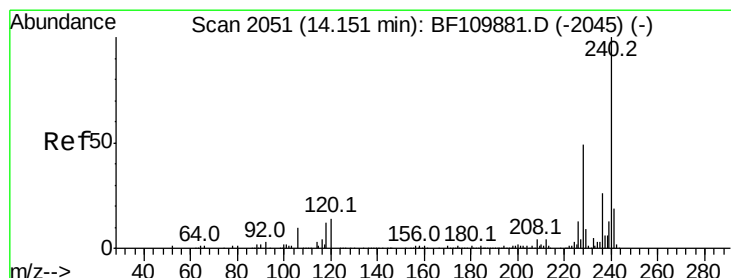
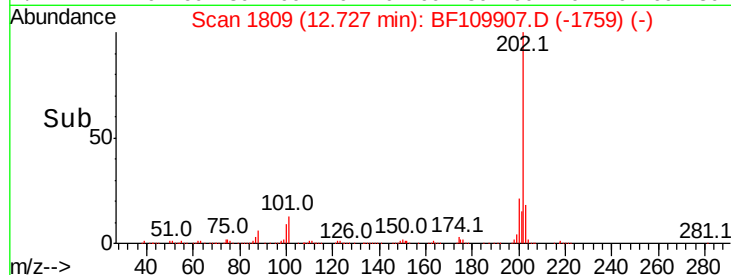
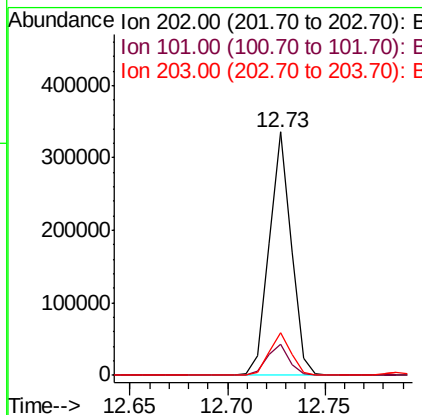
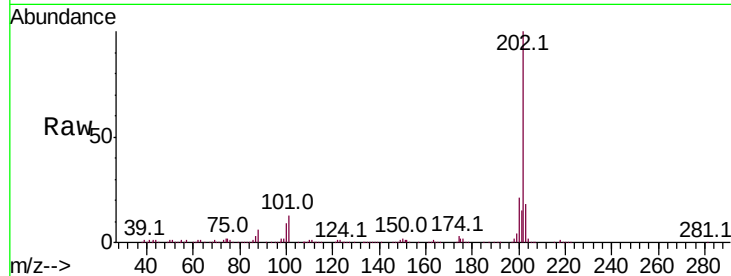
ClientSampleId :

SUP-4A-C-101518-1

Tot Ion	Ratio	Resp	Lower	Upper
202	100	262787		
101	12.9	0.0	31.4	
203	17.7	0.0	37.7	

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#76

Chrysene-d12

Concen: 20.000 ng

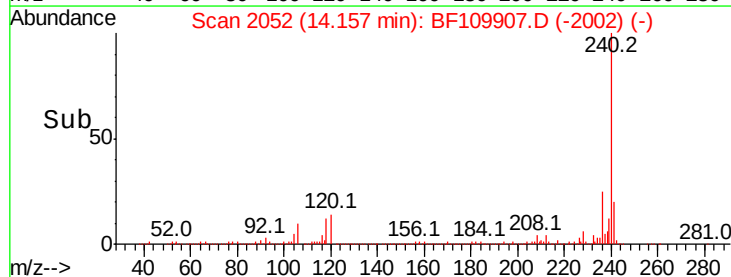
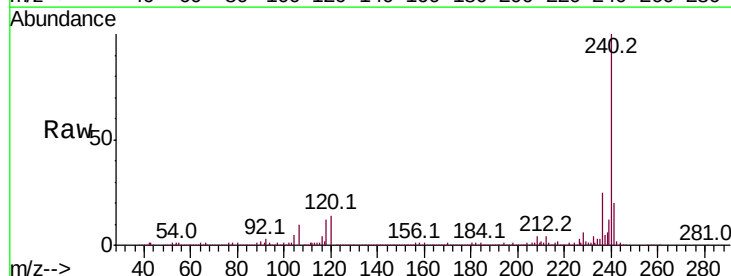
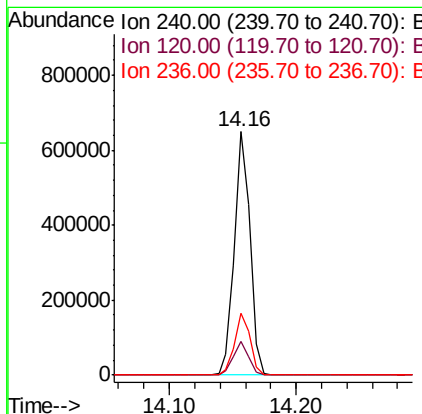
RT: 14.16 min Scan# 2052

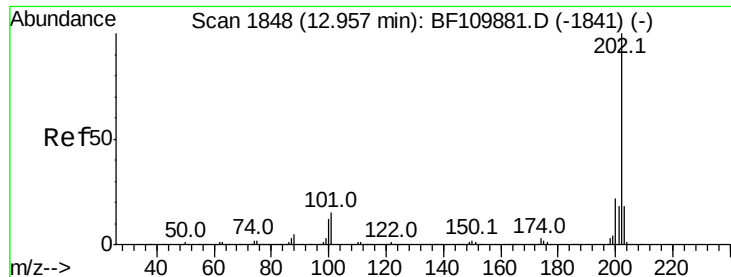
Delta R.T. -0.01 min

Lab File: BF109907.D

Acq: 16 Oct 2018 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	547389		
120	13.9	8.3	12.5#	
236	25.2	21.2	31.8	





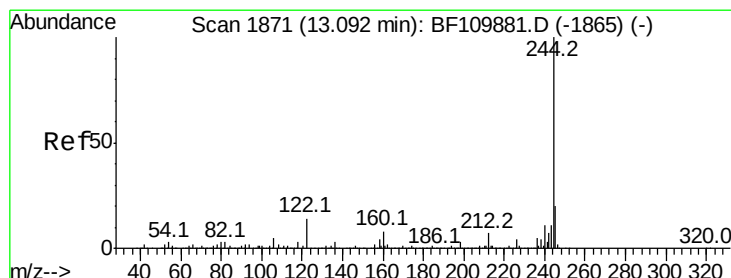
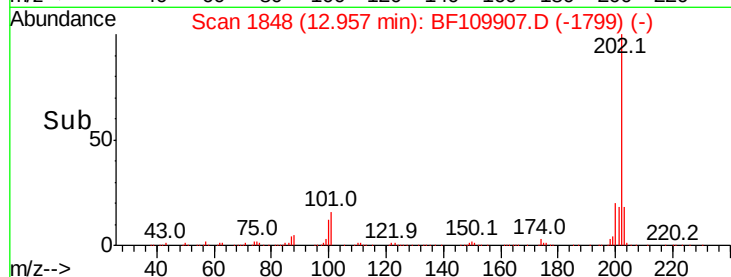
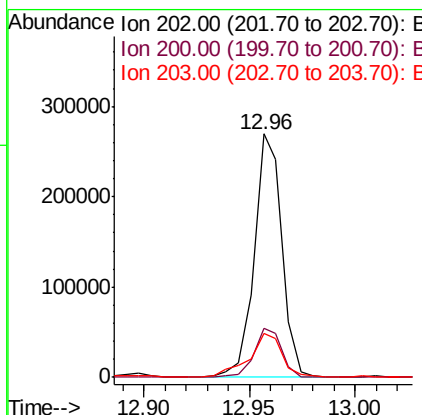
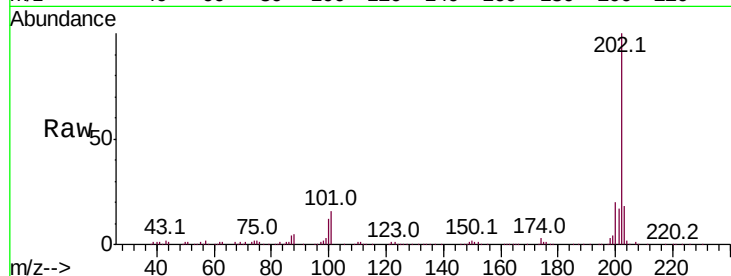
#78
Pvrene
Concen: 6.120 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF109907.D
Acq: 16 Oct 2018 16:06

Instrument :
BNA_F
ClientSampleId :
SUP-4A-C-101518-1

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.8	26.6
203	18.0	14.2	21.4

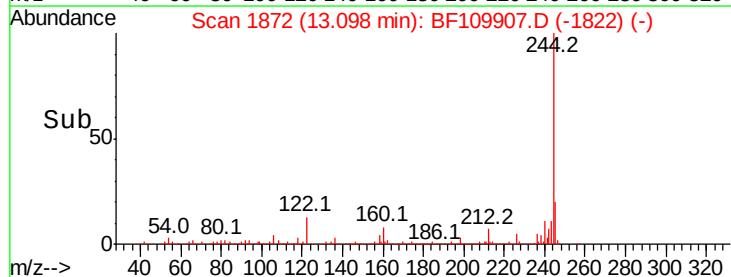
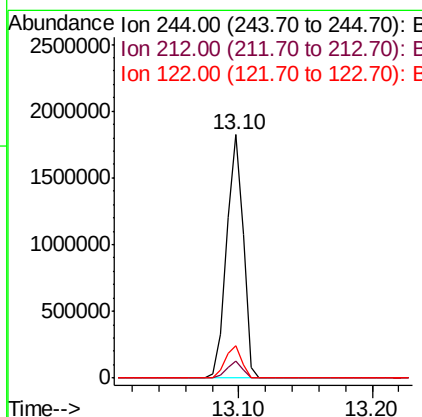
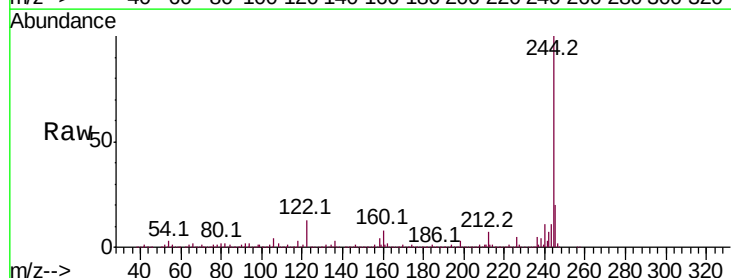
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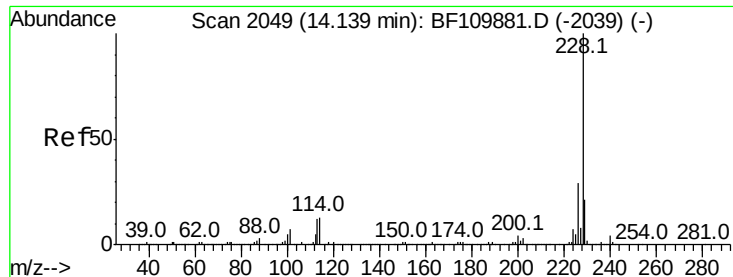
Sohil
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#79
Terphenyl-d14
Concen: 61.606 ng
RT: 13.10 min Scan# 1872
Delta R.T. -0.01 min
Lab File: BF109907.D
Acq: 16 Oct 2018 16:06

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	13.4	8.7	13.1#





#81

Benzo(a)anthracene

Concen: 4.735 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BF109907.D

Acq: 16 Oct 2018 16:06

Instrument :

BNA_F

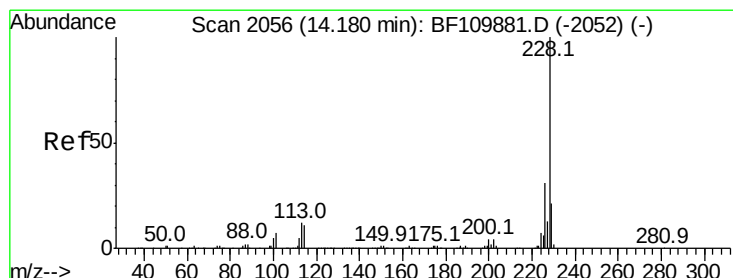
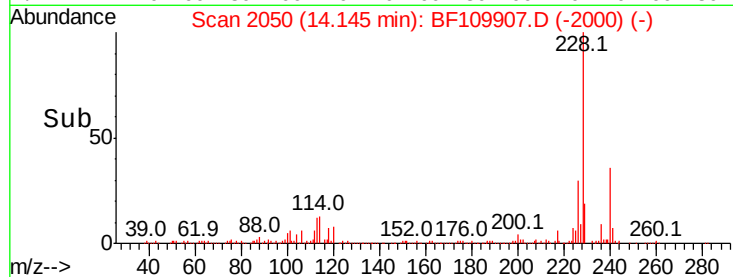
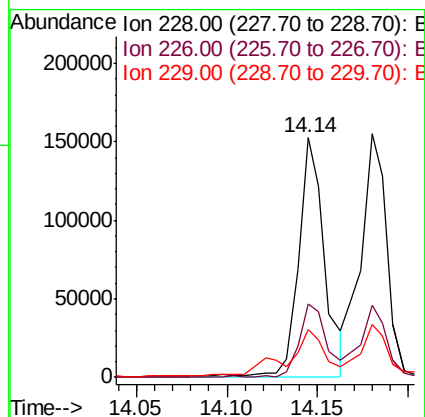
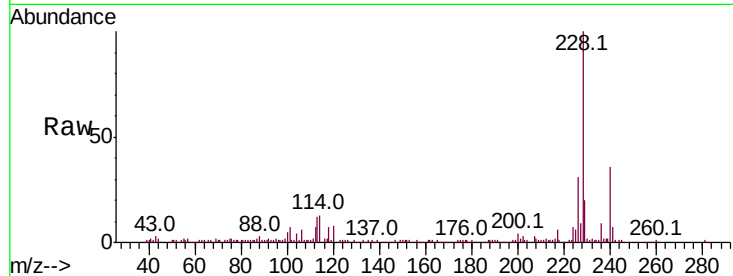
ClientSampleId :

SUP-4A-C-101518-1

Tot Ion:	228	Resp:	152657
Ion Ratio	Lower	Upper	
228	100		
226	30.8	22.1	33.1
229	20.2	15.6	23.4

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#83

Chrysene

Concen: 5.042 ng

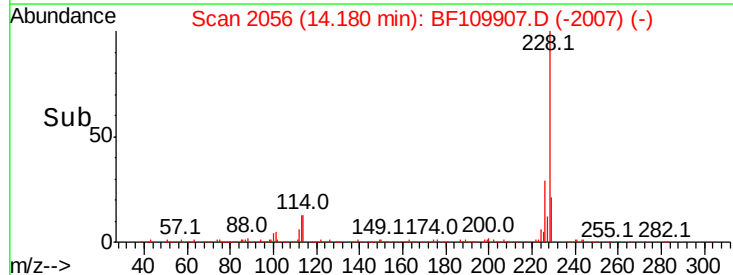
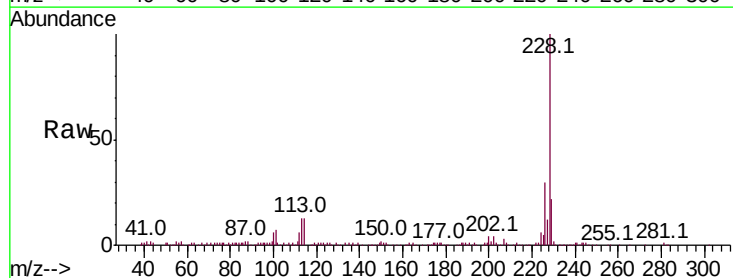
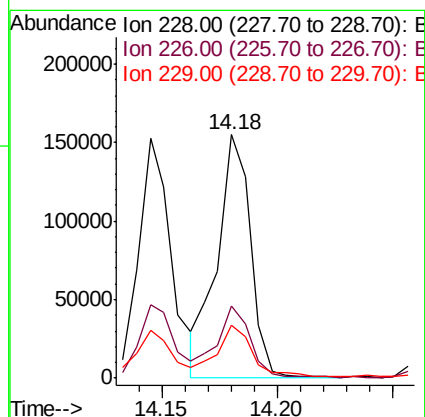
RT: 14.18 min Scan# 2056

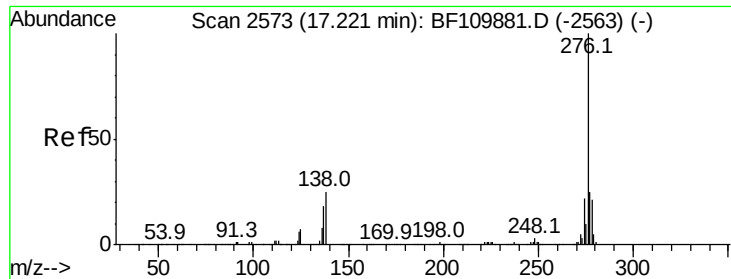
Delta R.T. -0.01 min

Lab File: BF109907.D

Acq: 16 Oct 2018 16:06

Tgt Ion:	228	Resp:	154728
Ion Ratio	Lower	Upper	
228	100		
226	29.8	24.7	37.1
229	21.7	15.9	23.9





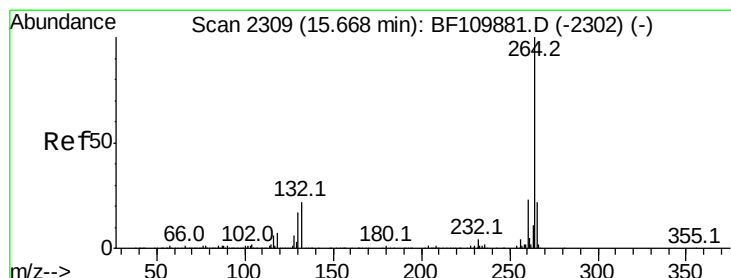
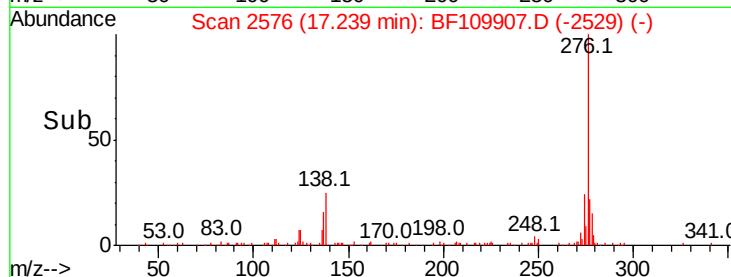
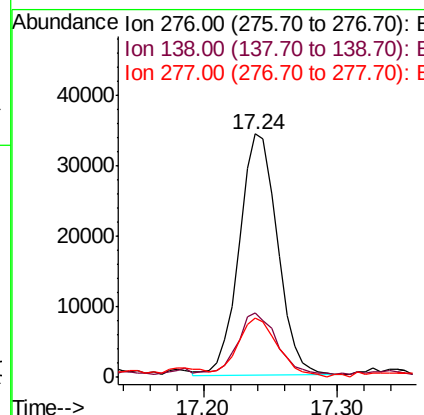
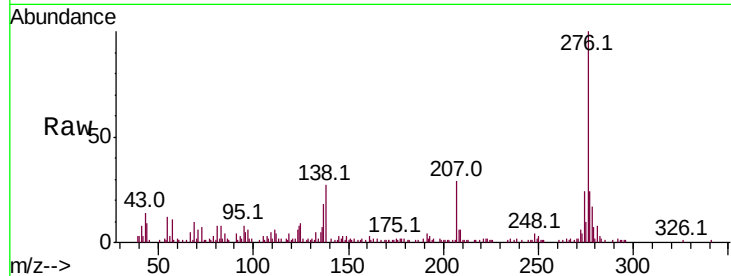
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.737 ng
 RT: 17.24 min Scan# 2576
 Delta R.T. -0.02 min
 Lab File: BF109907.D
 Acq: 16 Oct 2018 16:06

Instrument :
 BNA_F
 ClientSampleId :
 SUP-4A-C-101518-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.9	18.5	27.7
277	26.4	20.0	30.0

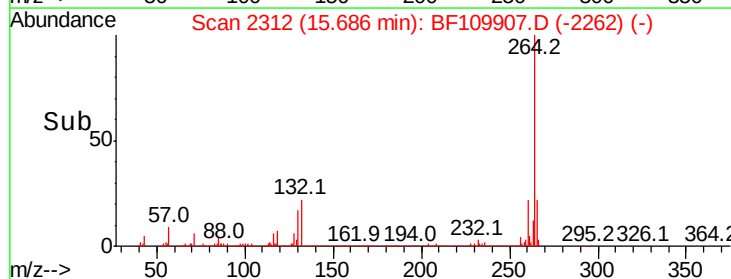
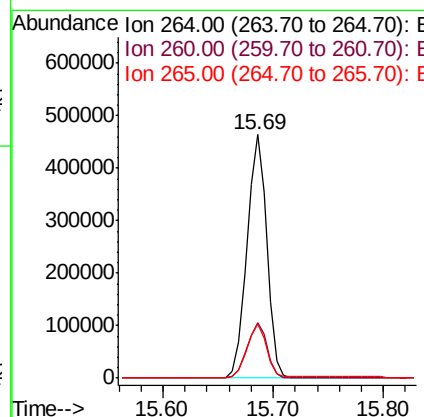
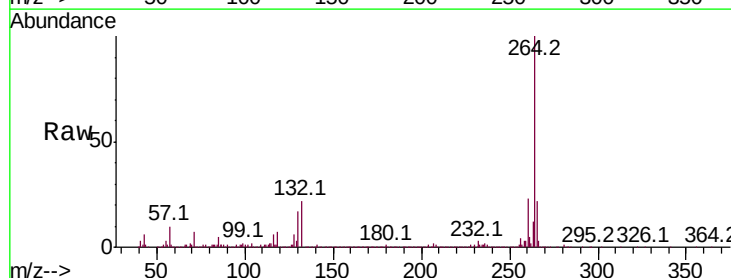
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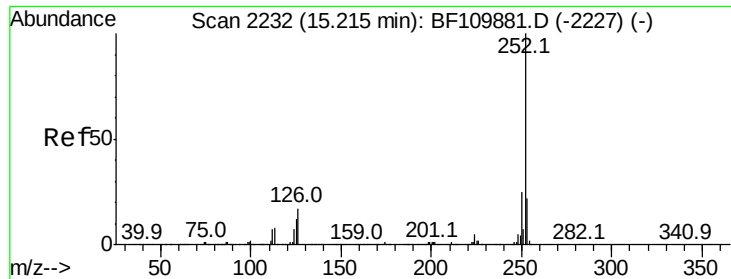
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2312
 Delta R.T. -0.01 min
 Lab File: BF109907.D
 Acq: 16 Oct 2018 16:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.7	28.1
265	22.1	16.7	25.1





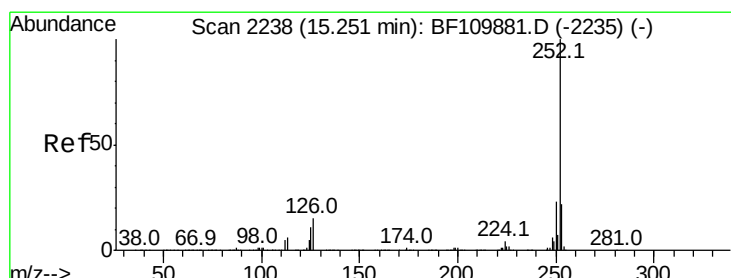
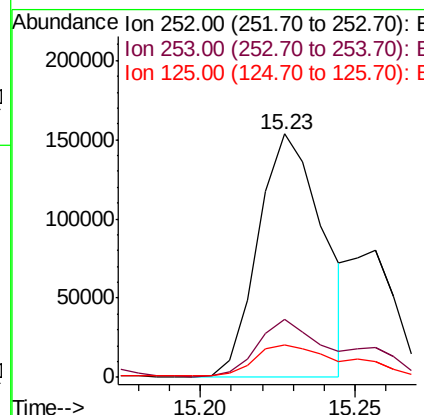
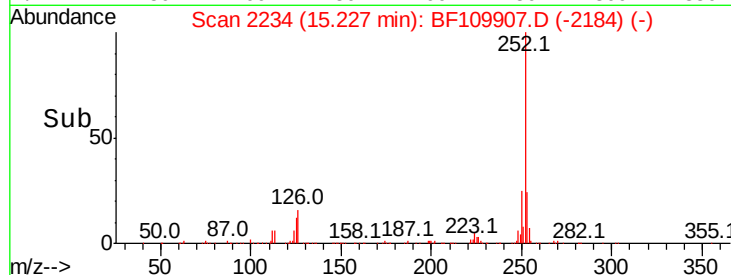
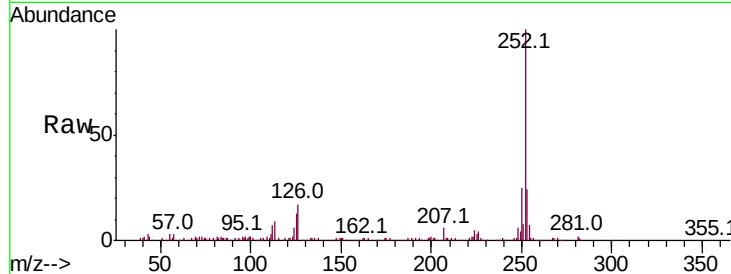
#88
Benzo(b)fluoranthene
Concen: 6.617 ng m
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF109907.D
Acq: 16 Oct 2018 16:06

Instrument :
BNA_F
ClientSampleId :
SUP-4A-C-101518-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.2	25.8
125	13.4	8.2	12.4

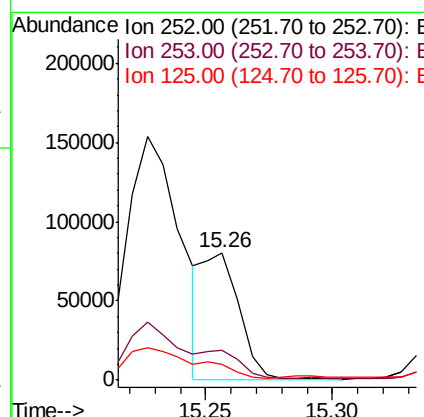
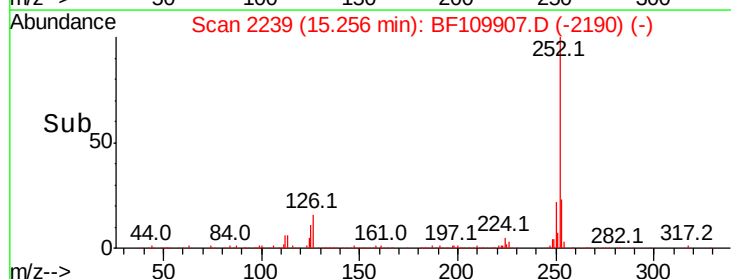
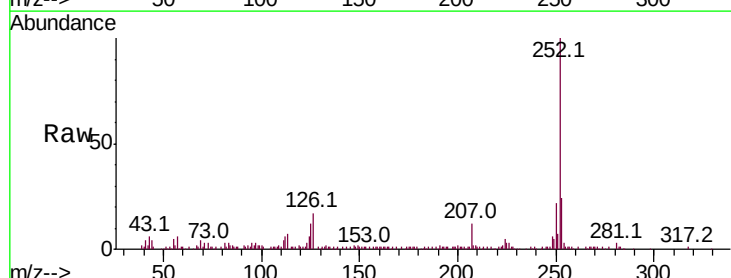
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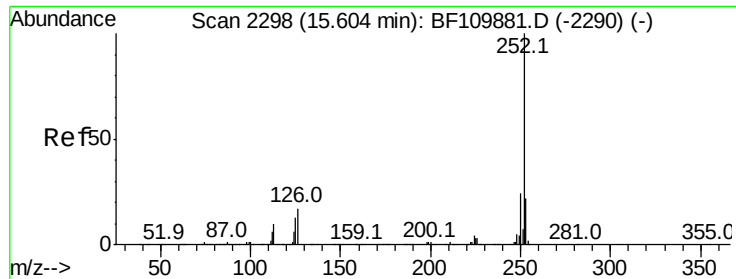
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#89
Benzo(k)fluoranthene
Concen: 2.432 ng m
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF109907.D
Acq: 16 Oct 2018 16:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.2	25.8
125	12.2	7.4	11.0





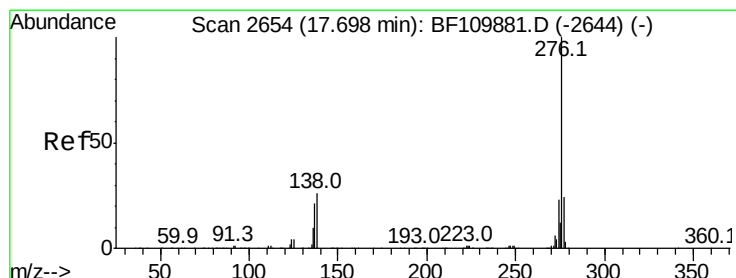
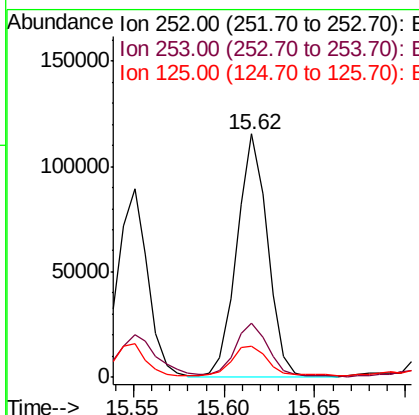
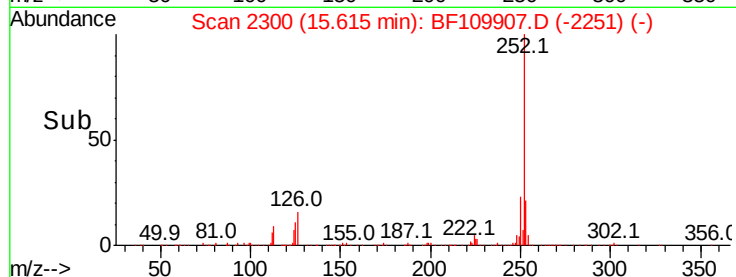
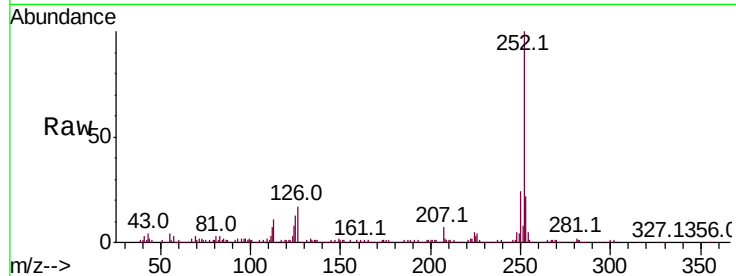
#90
Benzo(a)pyrene
Concen: 4.322 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF109907.D
Acq: 16 Oct 2018 16:06

Instrument :
BNA_F
ClientSampleId :
SUP-4A-C-101518-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.4
125	12.7	9.0	13.6

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#92
Benzo(g,h,i)perylene
Concen: 2.016 ng
RT: 17.72 min Scan# 2657
Delta R.T. -0.02 min
Lab File: BF109907.D
Acq: 16 Oct 2018 16:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.8	28.2
138	25.1	16.0	24.0

