

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091718\
 Data File : BF109067.D
 Acq On : 18 Sep 2018 00:48
 Operator : JU/SJ
 Sample : J4919-01DL 50X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF-03_COMP_FILLDL

Manual Integrations
 APPROVED

Sohil
 9/19/2018 11:54:30 AM

Quant Time: Sep 18 08:43:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	121206	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	437623	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	186700	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	379210	20.00	ng	0.00
75) Chrysene-d12	13.85	240	368300	20.00	ng	0.00
86) Perylene-d12	15.26	264	274296	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	15412	2.11	ng	0.00
7) Phenol-d6	6.35	99	20181	2.14	ng	-0.01
23) Nitrobenzene-d5	7.27	82	10636	1.36	ng	-0.02
41) 2,4,6-Tribromophenol	10.54	330	3932	1.94	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	21502	1.80	ng	0.00
78) Terphenyl-d14	12.81	244	24155	1.55	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.36	94	21377	2.019	ng	97
17) 2-Methylphenol	6.97	107	18727	2.811	ng	95
20) 3+4-Methylphenols	7.13	107	73328	9.138	ng	88
27) 2,4-Dimethylphenol	7.66	122	32815	5.569	ng	98
31) Naphthalene	8.02	128	1295107	63.761	ng	99
37) 2-Methylnaphthalene	8.71	142	185364	14.000	ng	98
45) 1,1'-Biphenyl	9.18	154	39443	2.641	ng	97
48) Acenaphthylene	9.61	152	212615	11.789	ng	99
54) Dibenzofuran	9.95	168	123887	7.634	ng	99
57) Fluorene	10.30	166	123257	11.397	ng	99
70) Phenanthrene	11.25	178	522642	28.116	ng	98
71) Anthracene	11.30	178	217867	11.562	ng	100
72) Carbazole	11.45	167	72210	3.871	ng	98
74) Fluoranthene	12.44	202	342591	17.457	ng	95
77) Pyrene	12.66	202	271859	9.938	ng	99
80) Benzo(a)anthracene	13.84	228	131092	5.879	ng	# 86
82) Chrysene	13.88	228	117426	5.264	ng	96
87) Benzo(b)fluoranthene	14.86	252	86168m	5.678	ng	
89) Benzo(a)pyrene	15.19	252	61131	4.536	ng	96

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

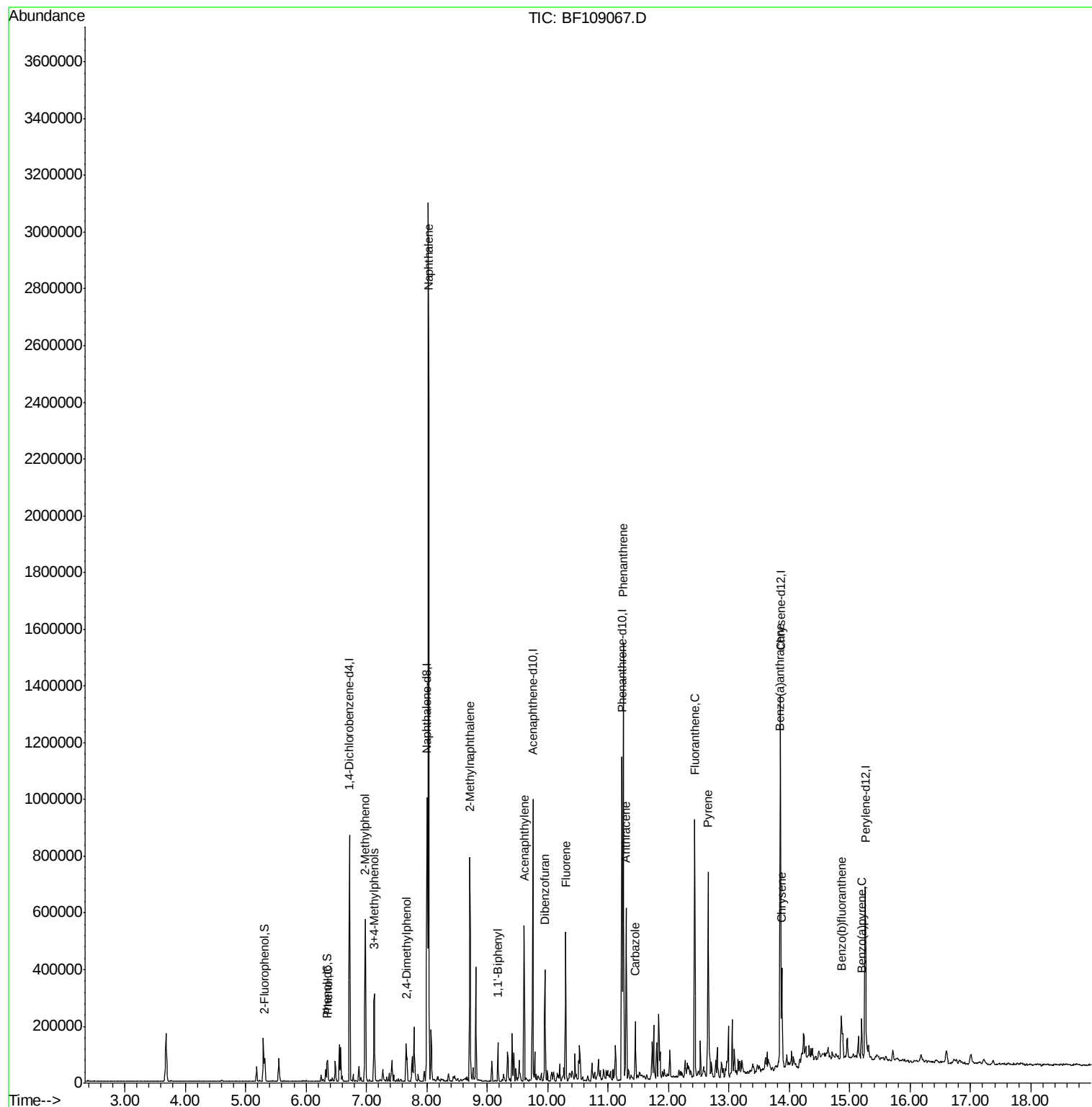
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091718\
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#1

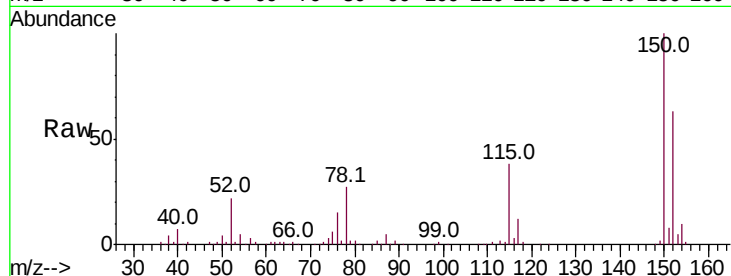
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109067.D
Acq: 18 Sep 2018 00:48

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-03_COMP_FILLDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.8	124.6	186.8
115	61.3	50.1	75.1

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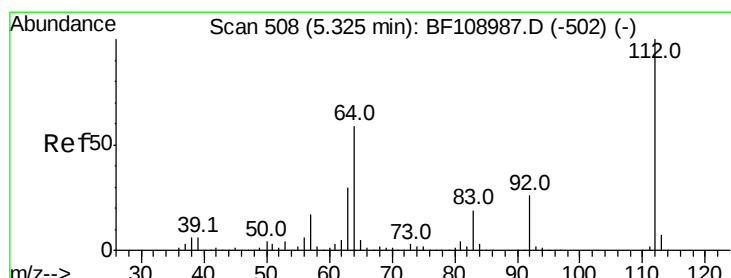
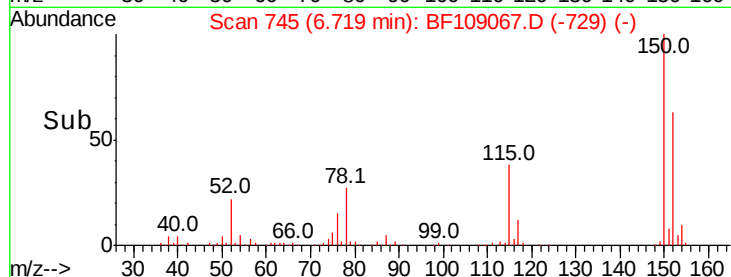
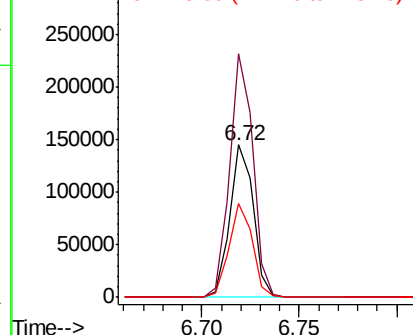


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

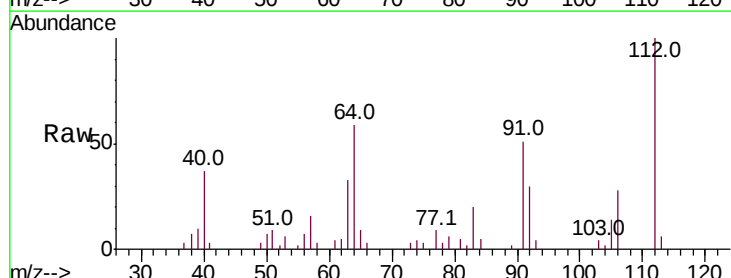
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 2.112 ng
RT: 5.32 min Scan# 507
Delta R.T. -0.00 min
Lab File: BF109067.D
Acq: 18 Sep 2018 00:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	47.9	71.9
63	32.8	23.7	35.5

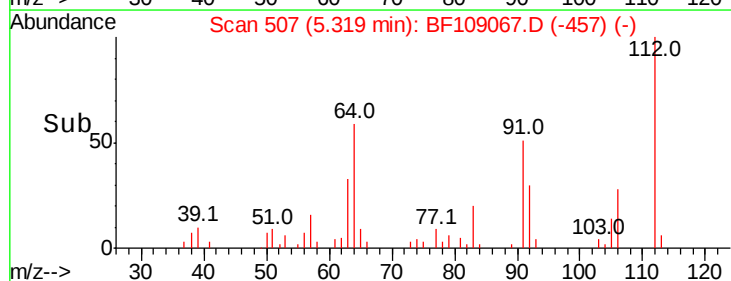
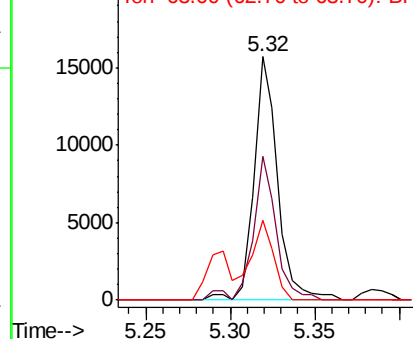


Abundance

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: 2.145 ng

RT: 6.35 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF109067.D

Acq: 18 Sep 2018 00:48

Instrument :

BNA_F

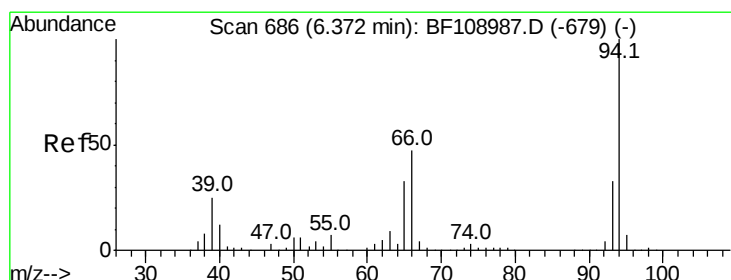
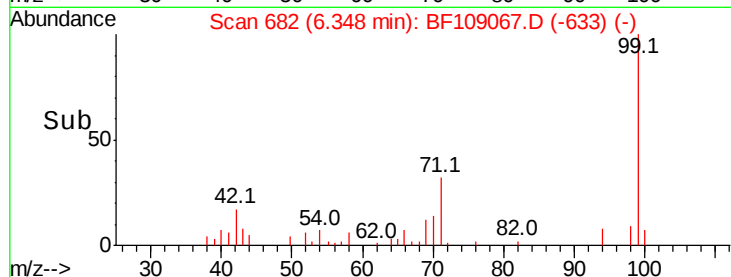
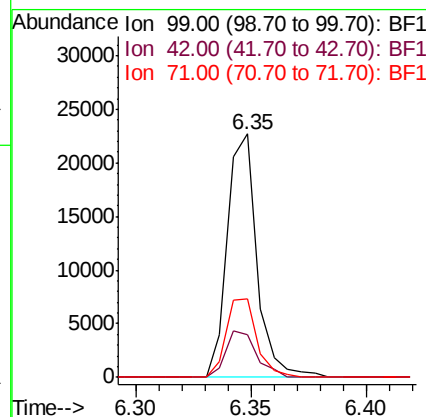
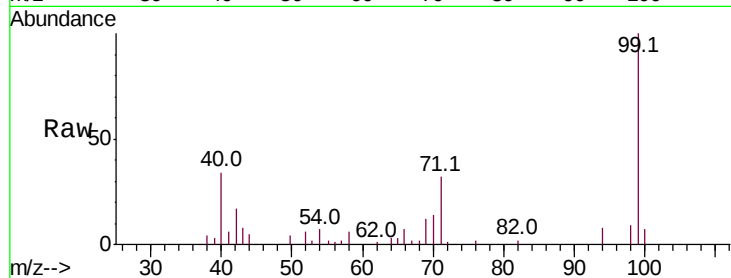
ClientSampleId :

ROLLOFF-03_COMP_FILLDL

Tot Ion:	99	Resp:	20181
Ion Ratio	Lower	Upper	
99	100		
42	17.5	14.5	21.7
71	32.0	25.4	38.0

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#10

Phenol

Concen: 2.019 ng

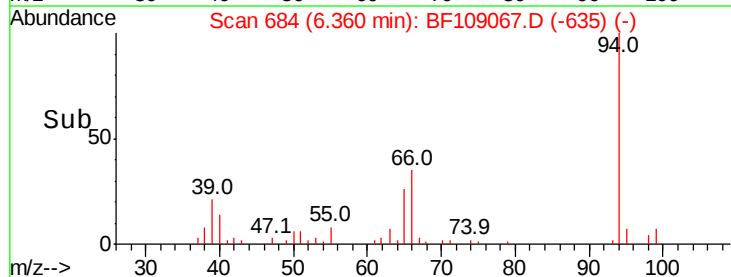
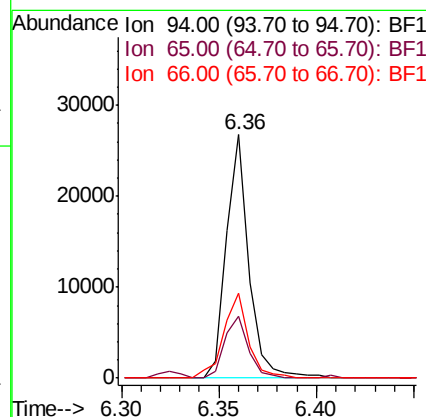
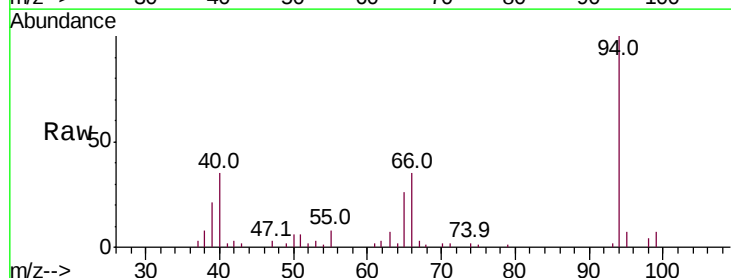
RT: 6.36 min Scan# 684

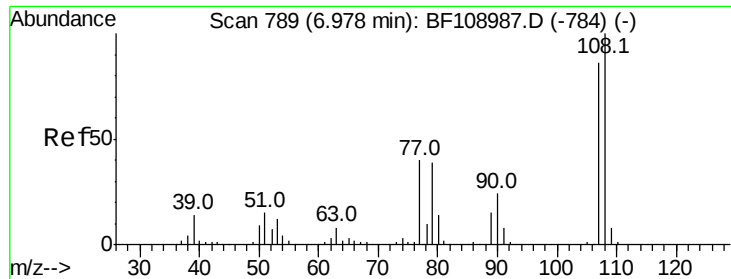
Delta R.T. -0.01 min

Lab File: BF109067.D

Acq: 18 Sep 2018 00:48

Tgt Ion:	94	Resp:	21377
Ion Ratio	Lower	Upper	
94	100		
65	25.5	7.9	47.9
66	34.7	16.2	56.2





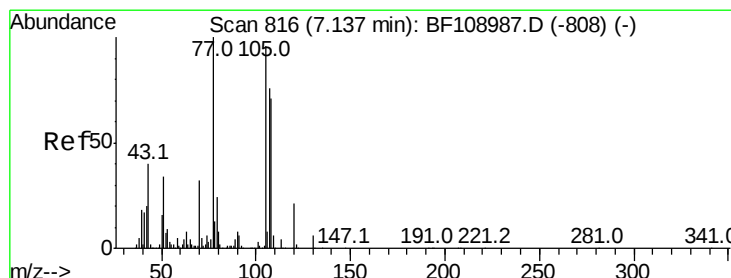
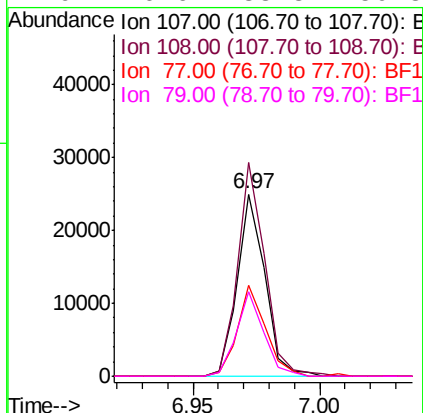
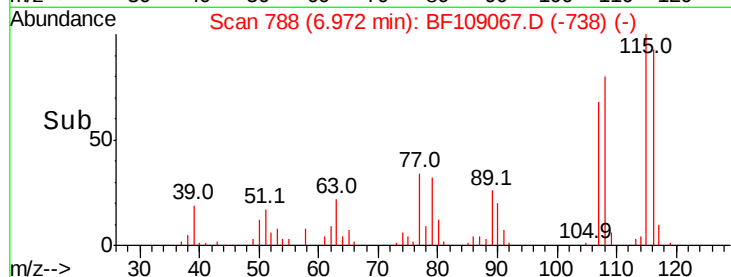
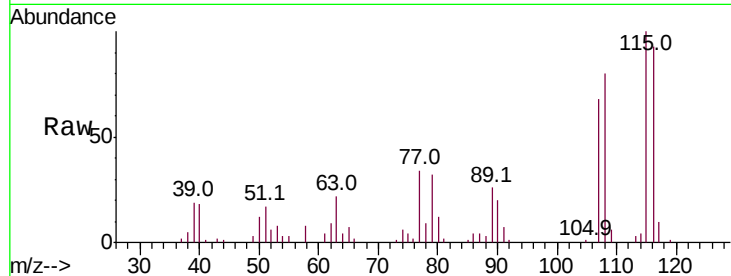
#17
2-Methylphenol
Concen: 2.811 ng
RT: 6.97 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF109067.D
Acq: 18 Sep 2018 00:48

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-03_COMP_FILLDL

Tot Ion:	107	Resp:	18727
Ion	Ratio	Lower	Upper
107	100		
108	117.2	91.7	137.5
77	49.7	33.8	50.8
79	46.6	33.8	50.8

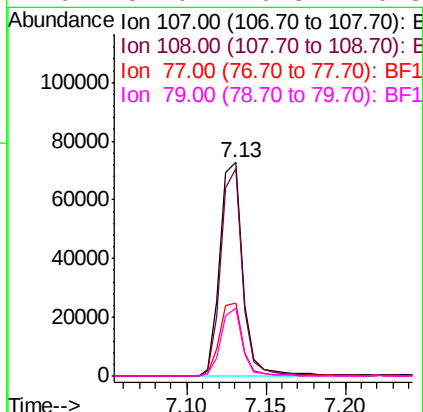
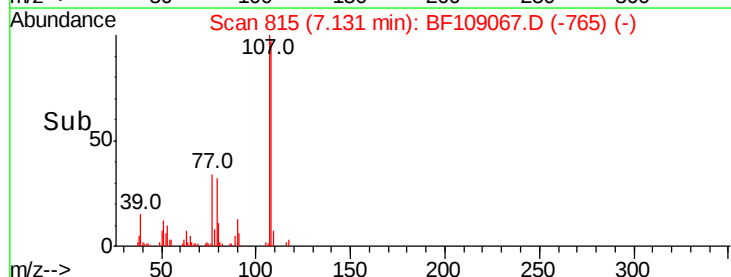
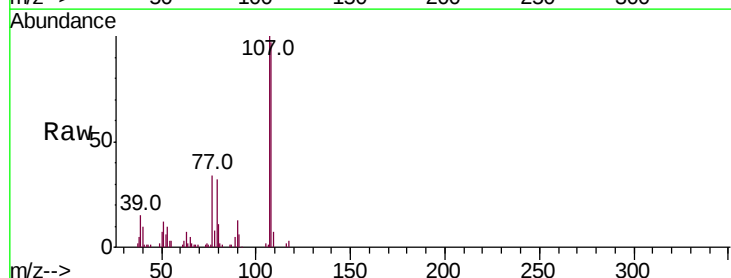
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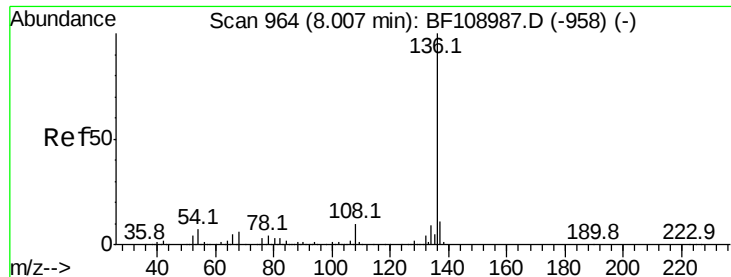
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#20
3+4-Methylphenols
Concen: 9.138 ng
RT: 7.13 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF109067.D
Acq: 18 Sep 2018 00:48

Tgt Ion:	107	Resp:	73328
Ion	Ratio	Lower	Upper
107	100		
108	97.0	68.2	108.2
77	34.2	26.7	66.7
79	32.0	6.3	46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF109067.D

Acq: 18 Sep 2018 00:48

Instrument :

BNA_F

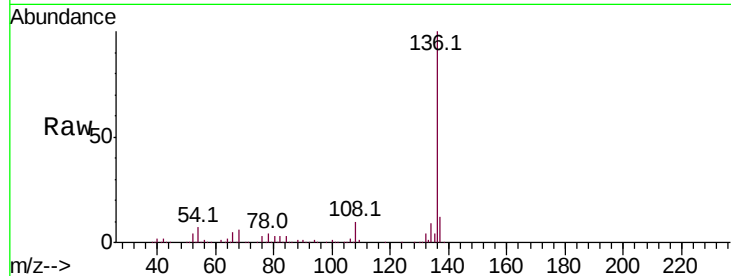
ClientSampleId :

ROLLOFF-03_COMP_FILDL

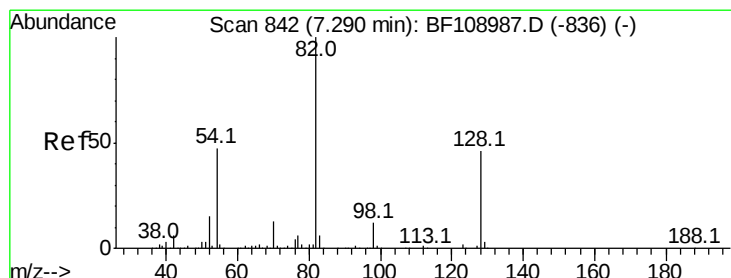
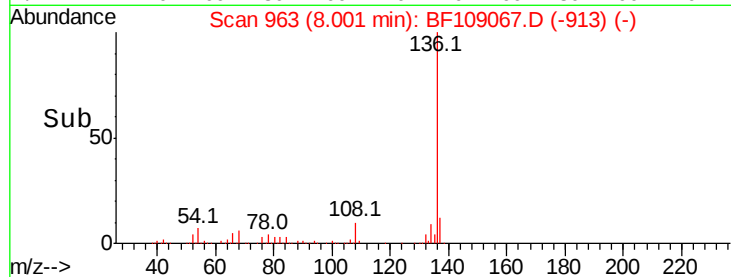
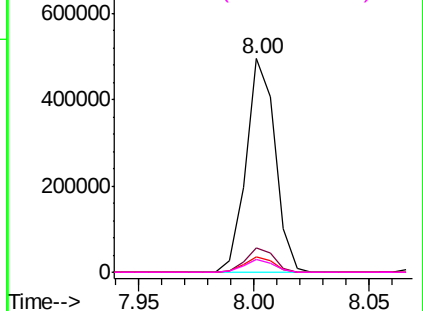
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	11.5	8.9	13.3		
54	7.3	6.6	9.8		
68	6.1	5.0	7.4		

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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: 1.363 ng

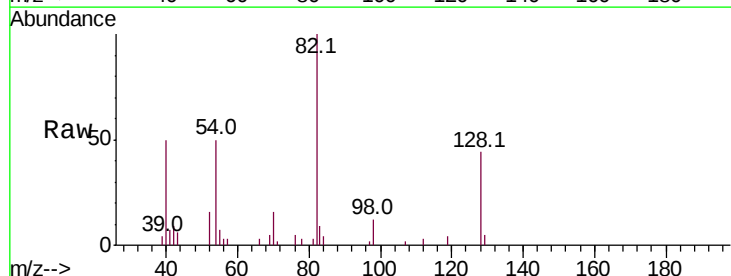
RT: 7.27 min Scan# 839

Delta R.T. -0.02 min

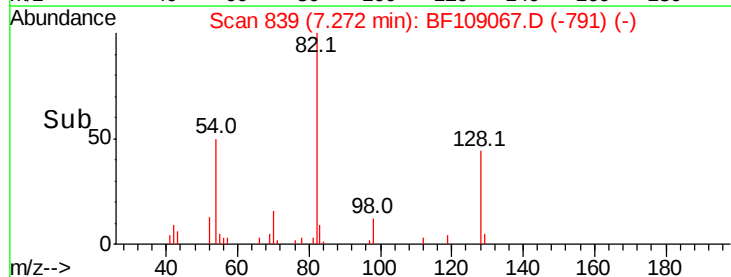
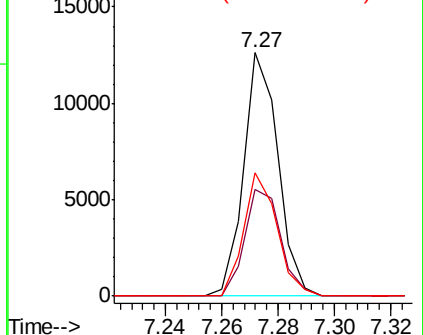
Lab File: BF109067.D

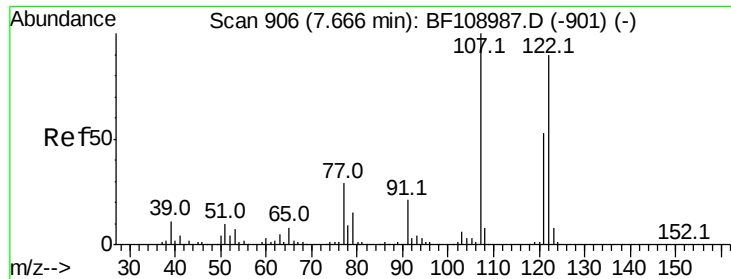
Acq: 18 Sep 2018 00:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	43.9	36.1	54.1		
54	50.5	41.4	62.2		



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





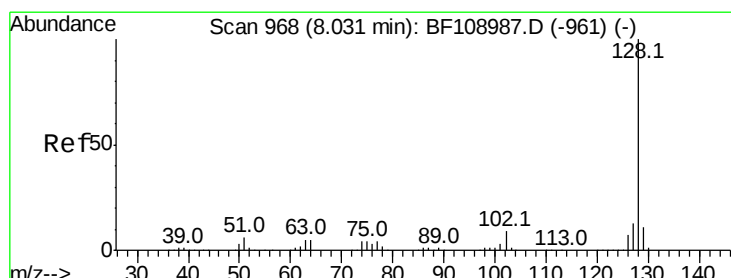
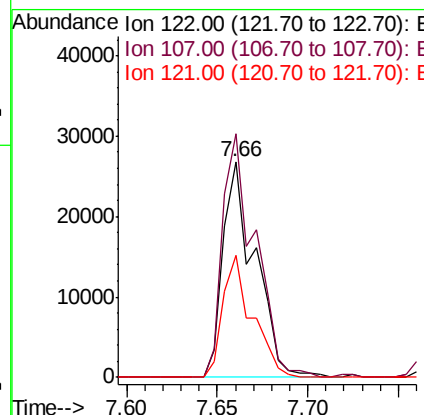
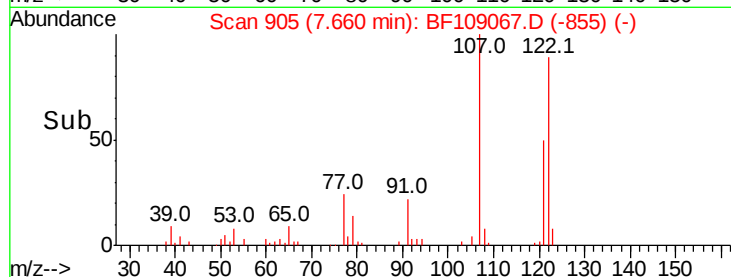
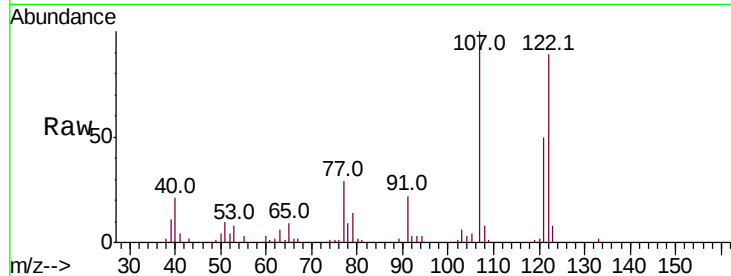
#27
2,4-Dimethylphenol
Concen: 5.569 ng
RT: 7.66 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF109067.D
Acq: 18 Sep 2018 00:48

Instrument :
BNA_F
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ROLLOFF-03_COMP_FILLDL

Tot Ion	Ratio	Lower	Upper
122	100		
107	112.8	91.2	136.8
121	56.8	47.2	70.8

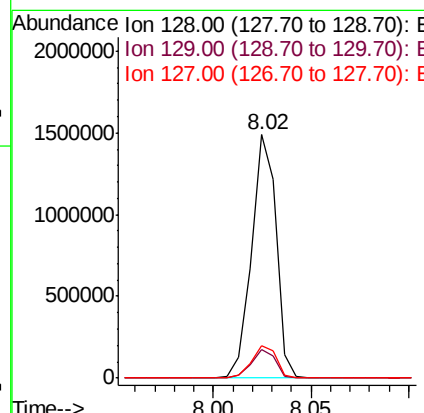
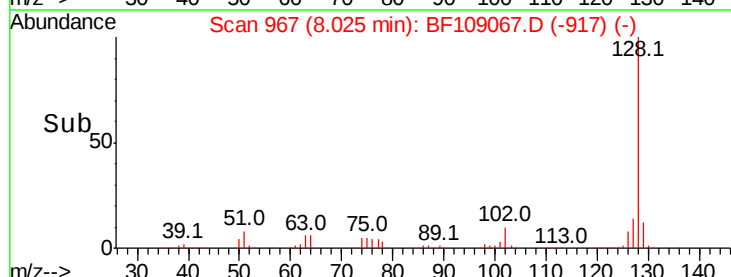
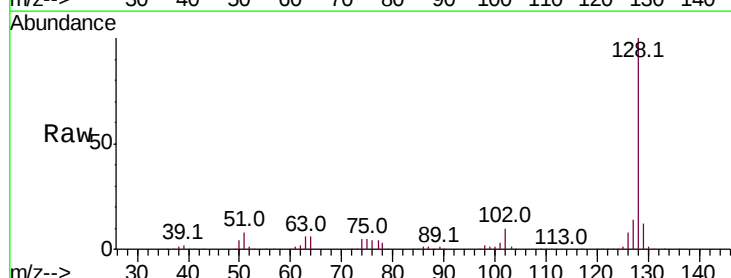
Manual Integrations
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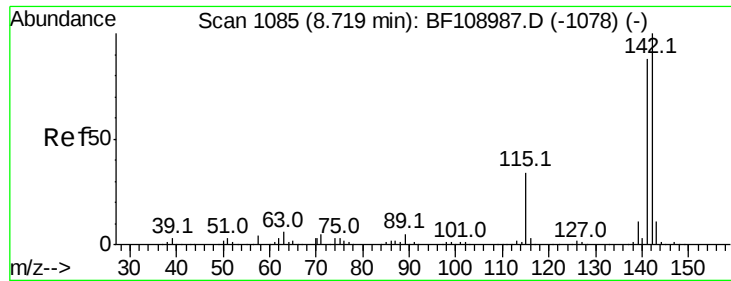
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#31
Naphthalene
Concen: 63.761 ng
RT: 8.02 min Scan# 967
Delta R.T. -0.01 min
Lab File: BF109067.D
Acq: 18 Sep 2018 00:48

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.8	13.2
127	13.5	10.9	16.3





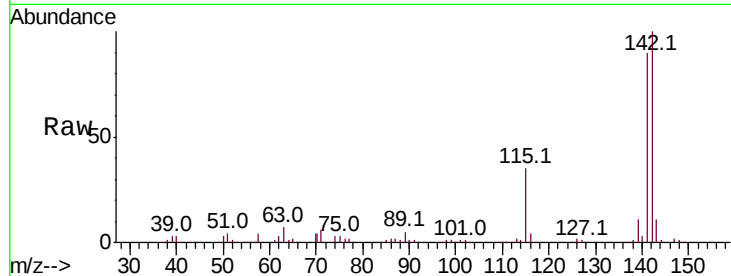
#37
2-Methylnaphthalene
Concen: 14.000 ng
RT: 8.71 min Scan# 1084
Delta R.T. -0.01 min
Lab File: BF109067.D
Acq: 18 Sep 2018 00:48

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-03_COMP_FILLDL

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.5	70.8	106.2
115	34.6	26.1	39.1

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9/19/2018 11:54:30 AM

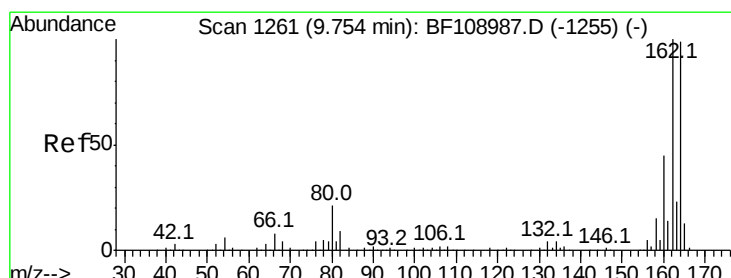
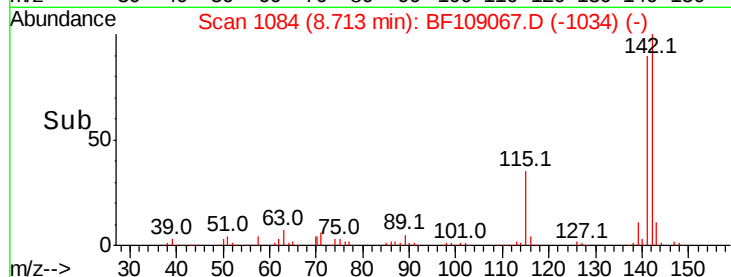
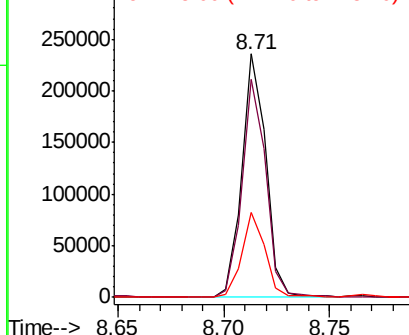


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BF109067.D
Acq: 18 Sep 2018 00:48

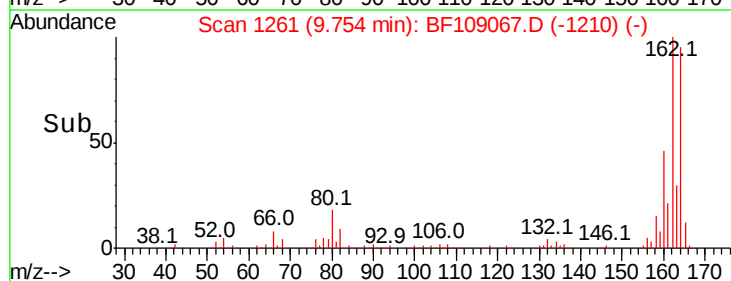
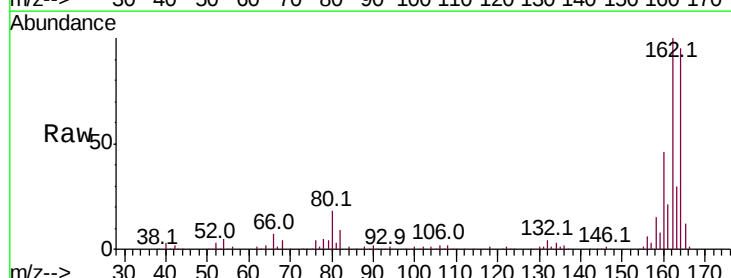
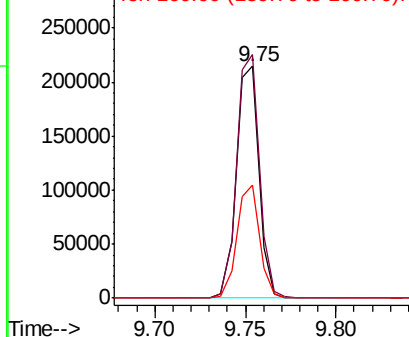
Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	86.1	129.1
160	48.5	38.3	57.5

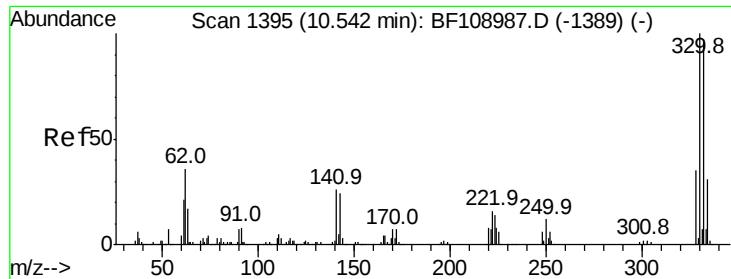
Abundance

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





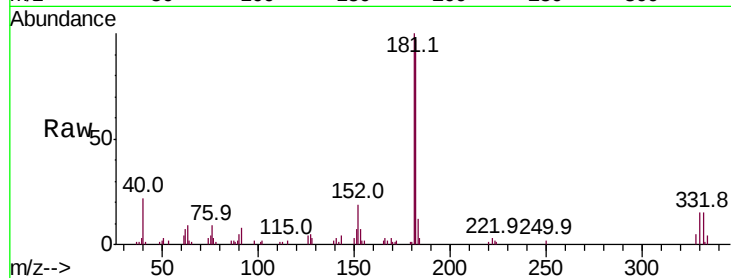
#41
 2,4,6-Tribromophenol
 Concen: 1.941 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF109067.D
 Acq: 18 Sep 2018 00:48

Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF-03_COMP_FILLDL

Tot Ion	Ratio	Lower	Upper
330	100		
332	100.8	77.0	115.6
141	38.4	29.9	44.9

Manual Integrations
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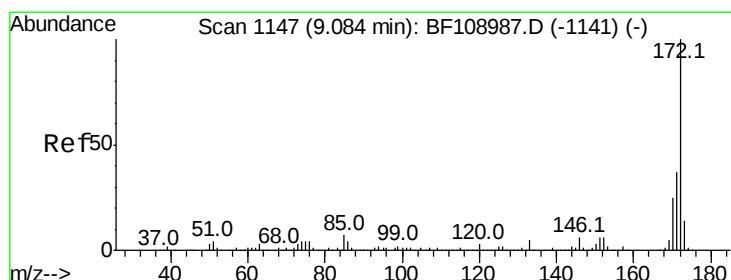
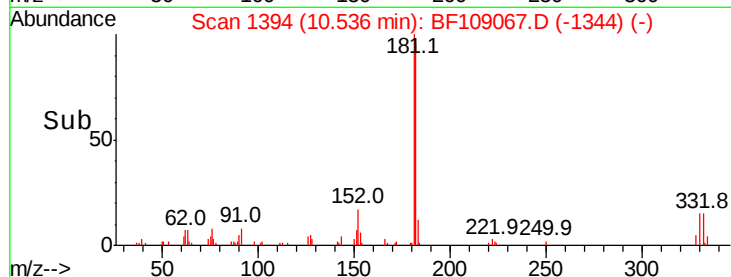
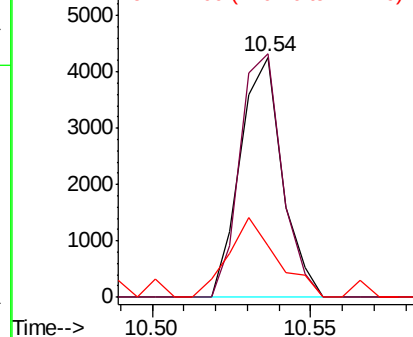


Abundance

Ion 329.80 (329.50 to 330.50): E

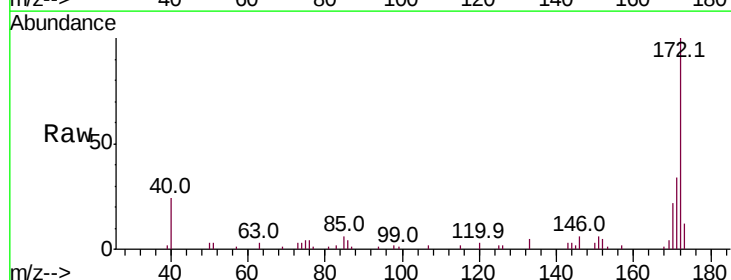
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 1.804 ng
 RT: 9.08 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF109067.D
 Acq: 18 Sep 2018 00:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.8	29.7	44.5
170	22.3	19.6	29.4

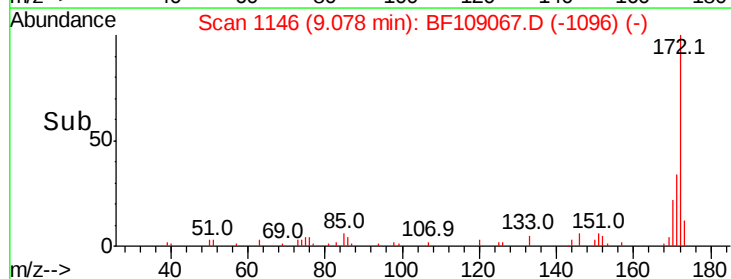
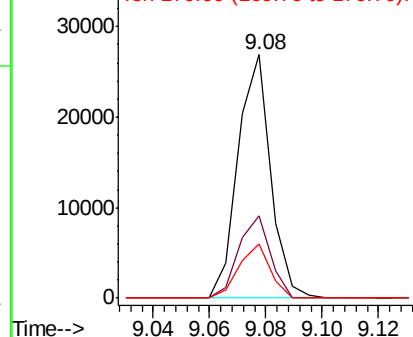


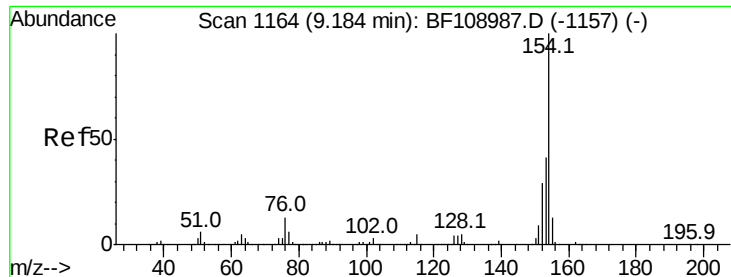
Abundance

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





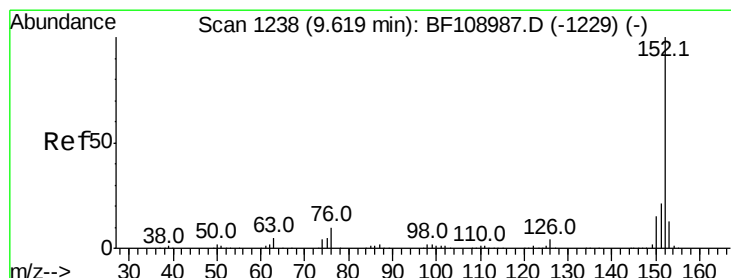
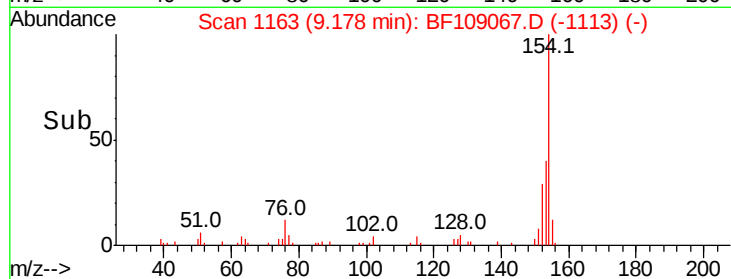
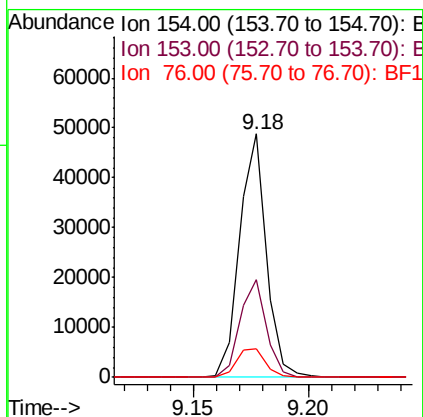
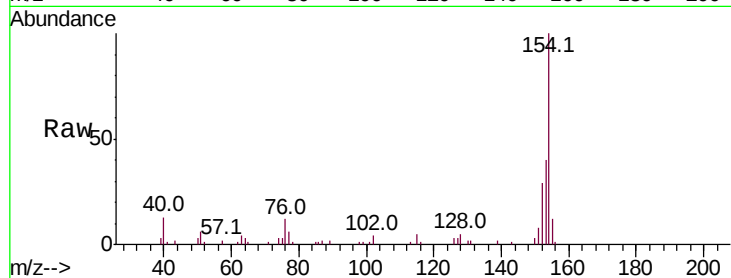
#45
1,1'-Biphenyl
Concen: 2.641 ng
RT: 9.18 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF109067.D
Acq: 18 Sep 2018 00:48

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-03_COMP_FILLDL

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.3	21.3	61.3
76	11.8	0.0	34.0

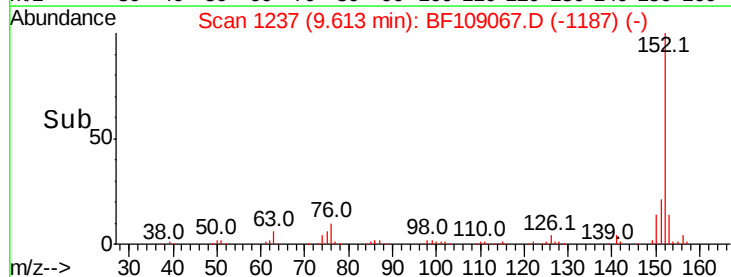
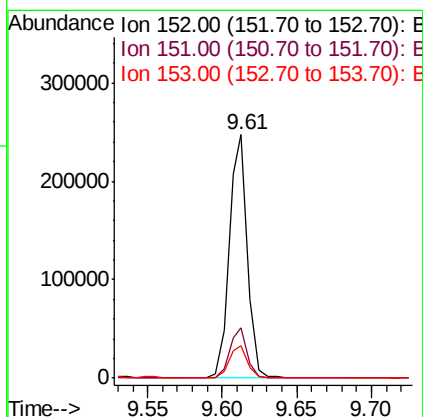
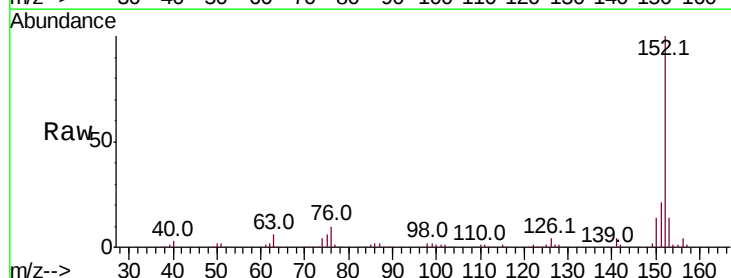
Manual Integrations
APPROVED

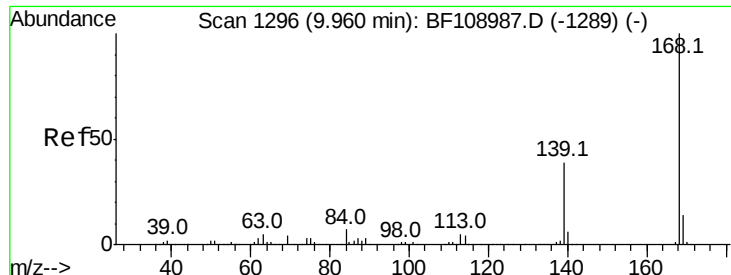
Sohil
9/19/2018 11:54:30 AM



#48
Acenaphthylene
Concen: 11.789 ng
RT: 9.61 min Scan# 1237
Delta R.T. -0.01 min
Lab File: BF109067.D
Acq: 18 Sep 2018 00:48

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.3	24.5
153	13.6	10.7	16.1





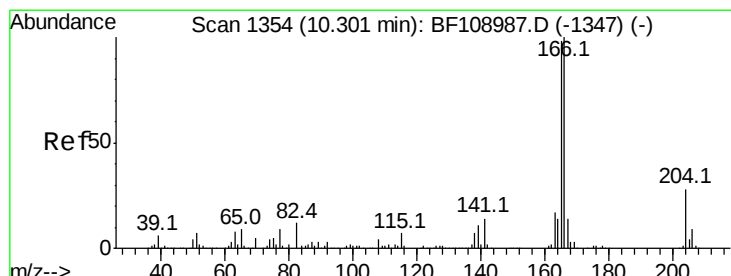
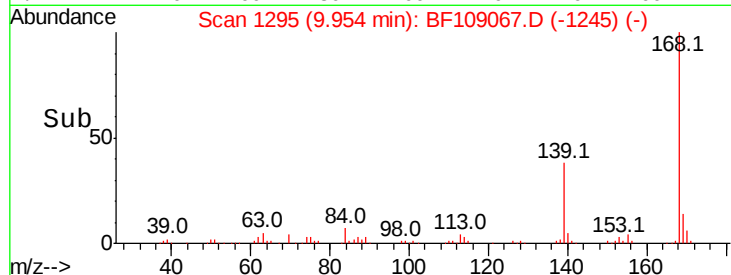
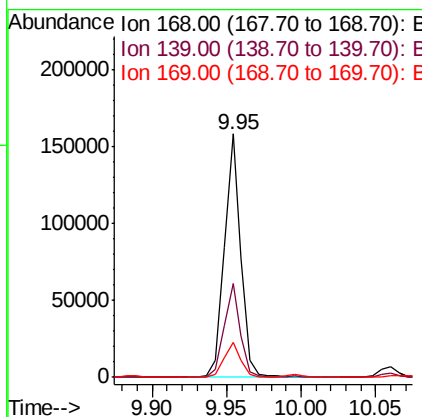
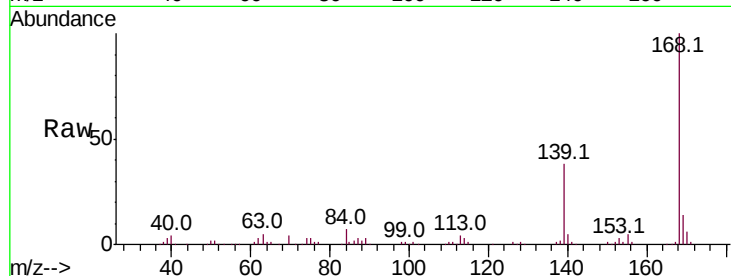
#54
Dibenzofuran
Concen: 7.634 ng
RT: 9.95 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF109067.D
Acq: 18 Sep 2018 00:48

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-03_COMP_FILLDL

Tot Ion	Ratio	Resp	Lower	Upper
168	100	123887		
139	38.3		30.1	45.1
169	14.3		10.9	16.3

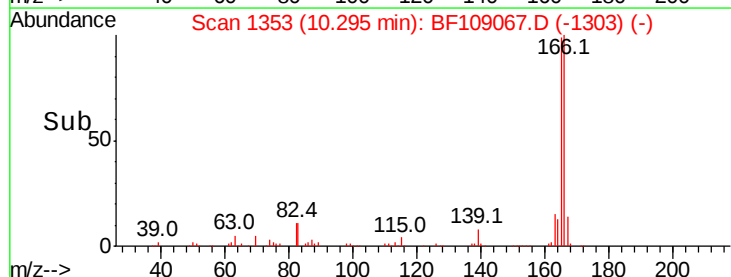
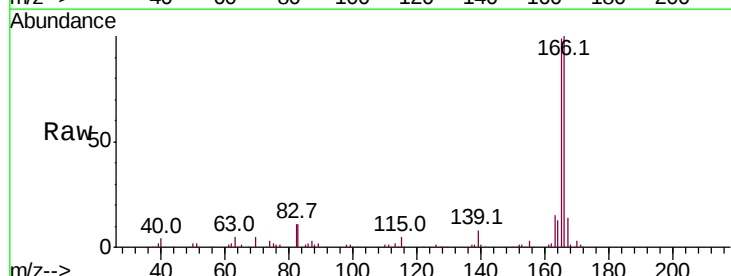
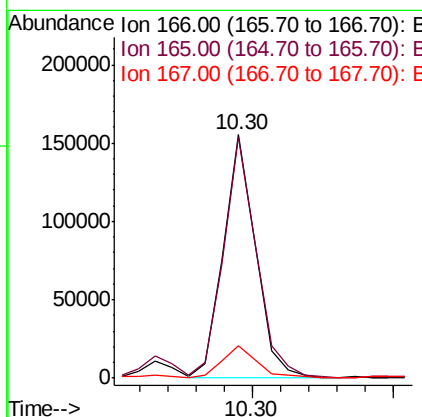
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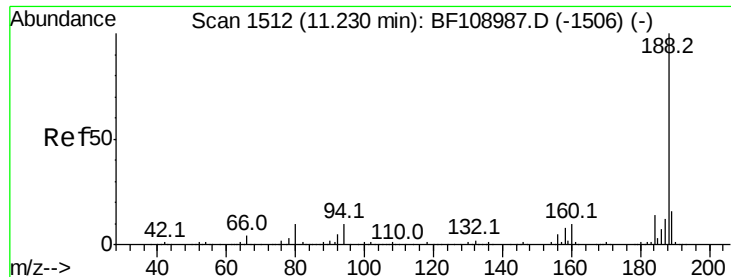
Sohil
9/19/2018 11:54:30 AM



#57
Fluorene
Concen: 11.397 ng
RT: 10.30 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF109067.D
Acq: 18 Sep 2018 00:48

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	123257		
165	99.0		79.8	119.8
167	13.6		10.6	16.0





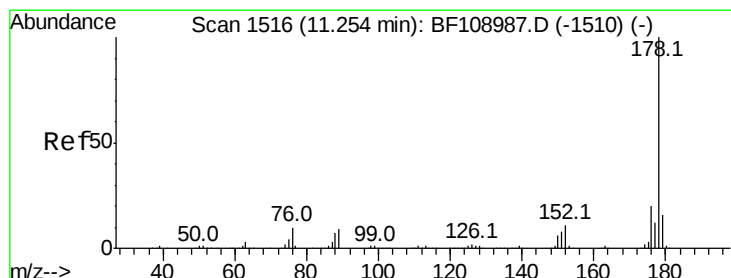
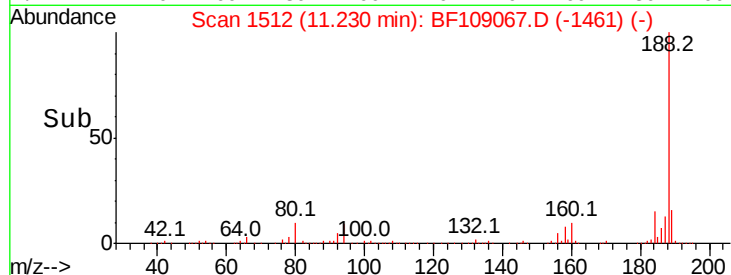
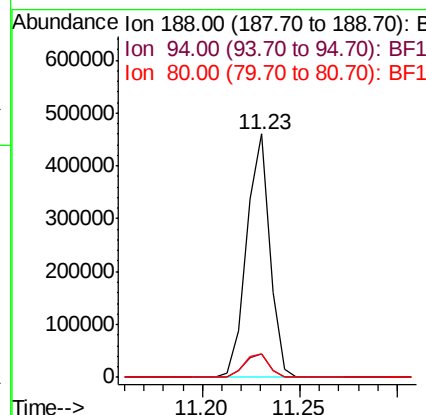
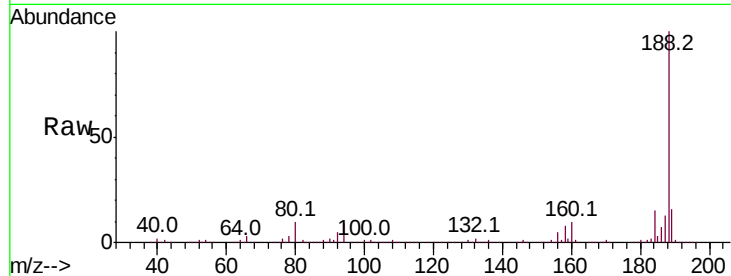
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1512
Delta R.T. -0.00 min
Lab File: BF109067.D
Acq: 18 Sep 2018 00:48

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-03_COMP_FILLDL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	379210		
94	9.4		8.5	12.7
80	9.7		9.2	13.8

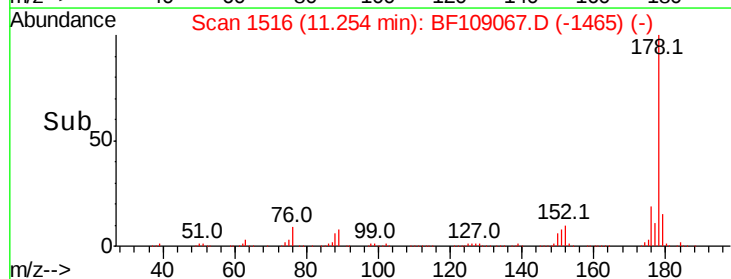
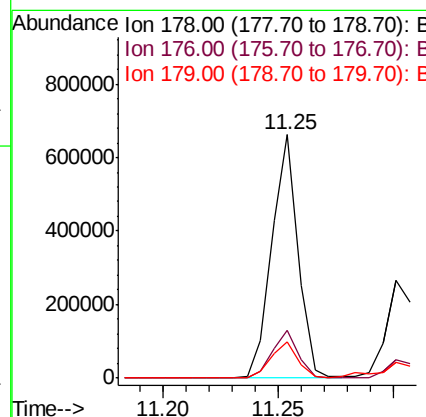
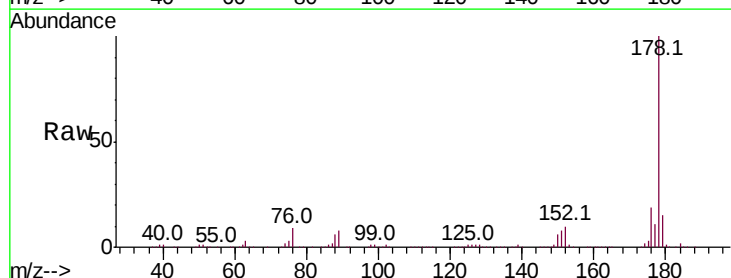
Manual Integrations
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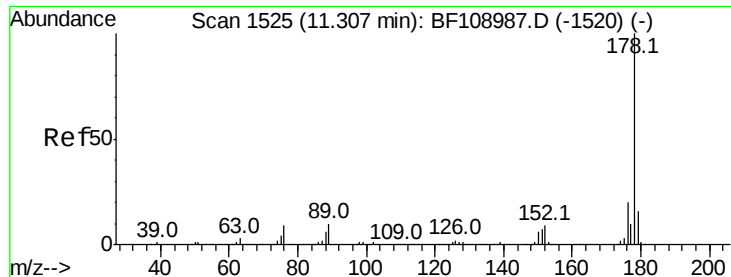
Sohil
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#70
Phenanthrene
Concen: 28.116 ng
RT: 11.25 min Scan# 1516
Delta R.T. -0.00 min
Lab File: BF109067.D
Acq: 18 Sep 2018 00:48

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	522642		
176	19.5		15.8	23.8
179	15.0		13.0	19.6





#71

Anthracene

Concen: 11.562 ng

RT: 11.30 min Scan# 1524

Delta R.T. -0.01 min

Lab File: BF109067.D

Acq: 18 Sep 2018 00:48

Instrument :

BNA_F

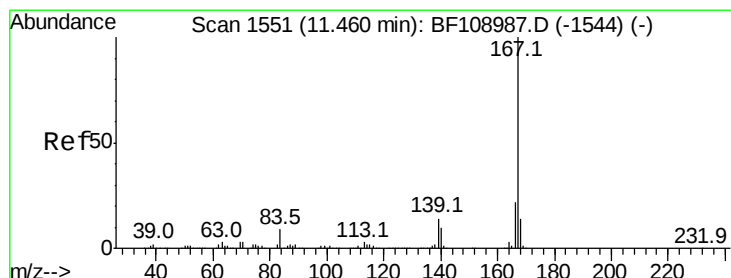
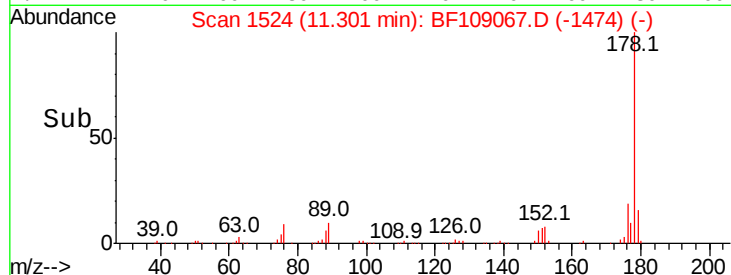
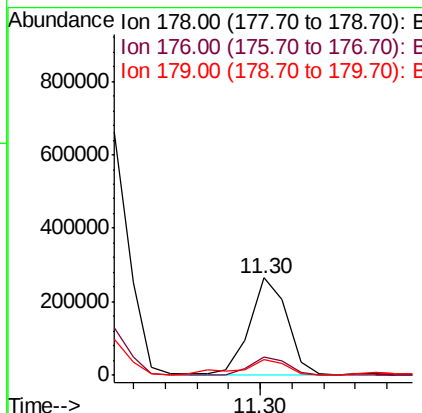
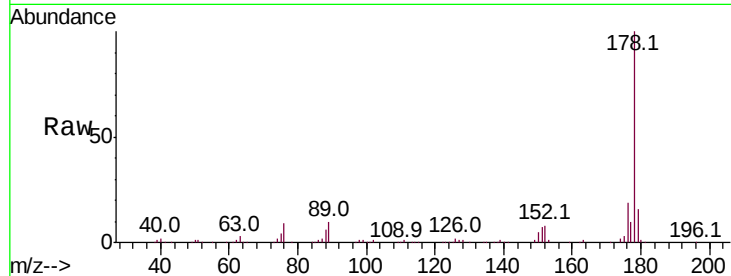
ClientSampleId :

ROLLOFF-03_COMP_FILDL

Tot Ion:	178	Resp:	217867
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.4	23.2
179	15.8	12.6	19.0

Manual Integrations
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#72

Carbazole

Concen: 3.871 ng

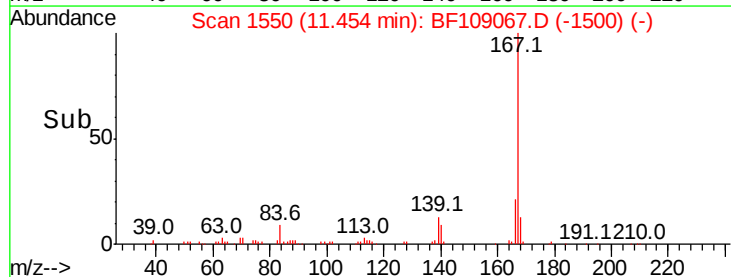
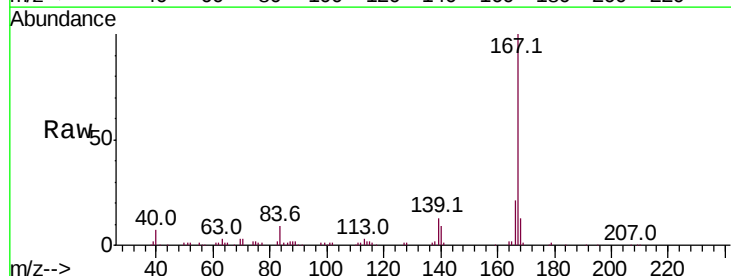
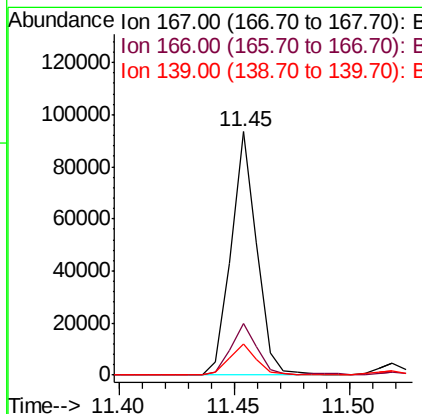
RT: 11.45 min Scan# 1550

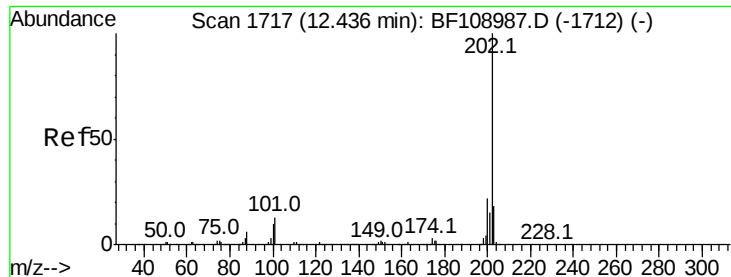
Delta R.T. -0.01 min

Lab File: BF109067.D

Acq: 18 Sep 2018 00:48

Tgt Ion:	167	Resp:	72210
Ion Ratio	Lower	Upper	
167	100		
166	21.1	17.6	26.4
139	12.9	10.9	16.3





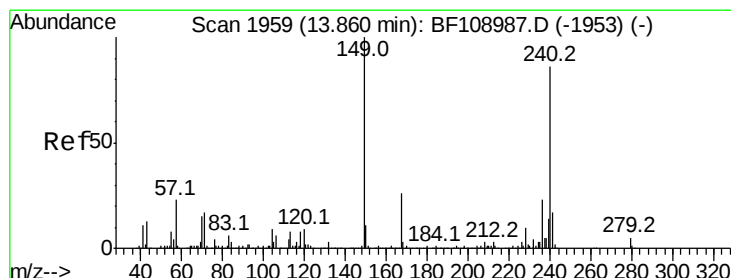
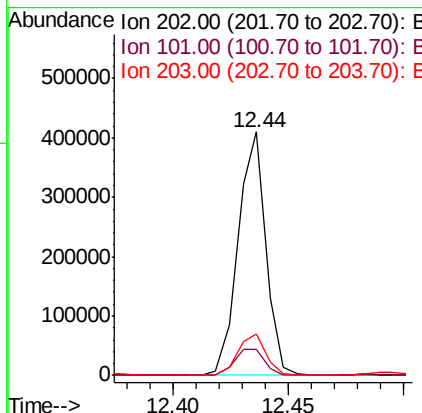
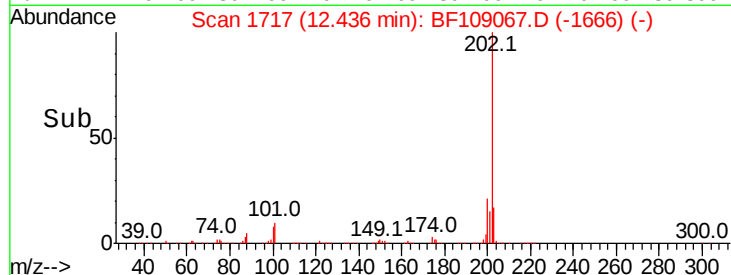
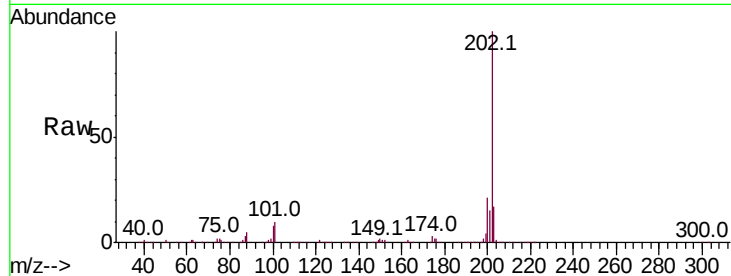
#74
 Fluoranthene
 Concen: 17.457 ng
 RT: 12.44 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: BF109067.D
 Acq: 18 Sep 2018 00:48

Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF-03_COMP_FILLDL

Tot Ion:	202	Resp:	342591
Ion Ratio	Lower	Upper	
202	100		
101	10.5	0.0	34.1
203	16.9	0.0	38.1

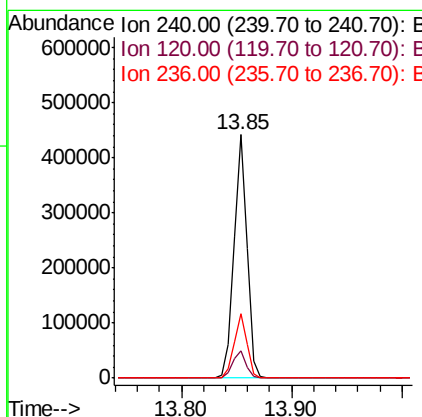
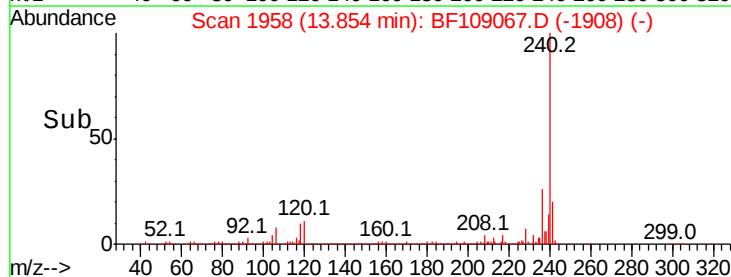
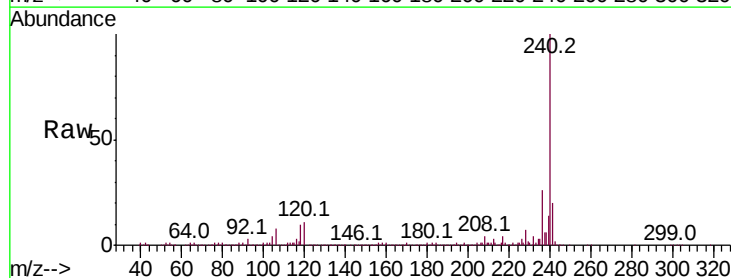
Manual Integrations
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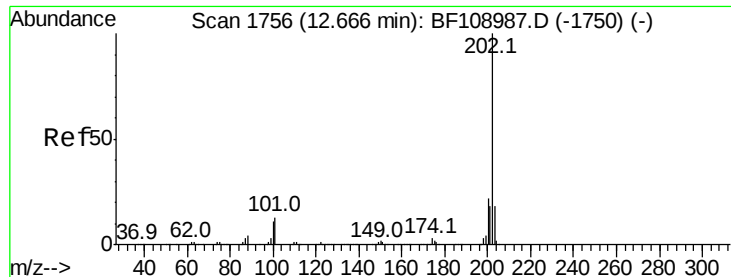
Sohil
 9/19/2018 11:54:30 AM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.85 min Scan# 1958
 Delta R.T. -0.01 min
 Lab File: BF109067.D
 Acq: 18 Sep 2018 00:48

Tgt Ion:	240	Resp:	368300
Ion Ratio	Lower	Upper	
240	100		
120	11.0	9.5	14.3
236	26.5	20.7	31.1





#77

Pvrene

Concen: 9.938 ng

RT: 12.66 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF109067.D

Acq: 18 Sep 2018 00:48

Instrument :

BNA_F

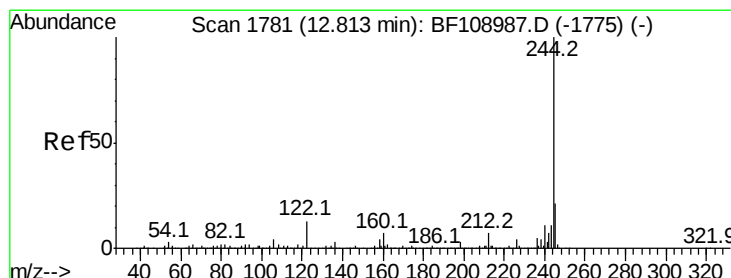
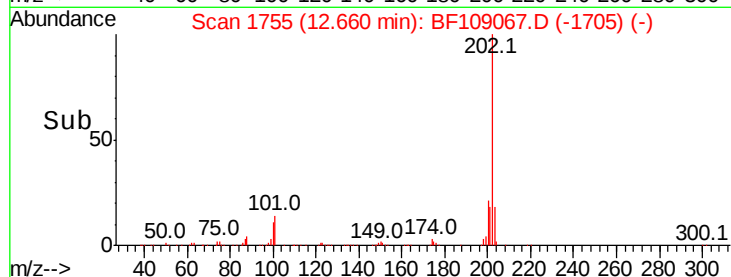
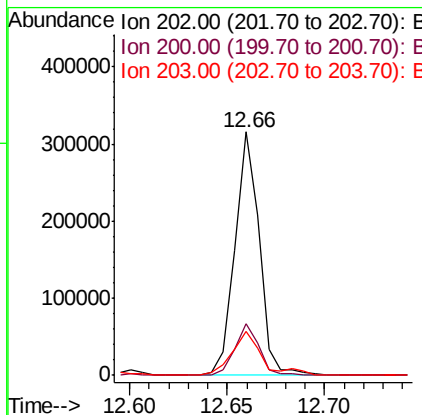
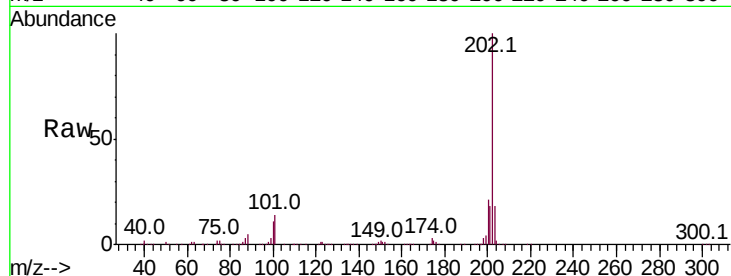
ClientSampleId :

ROLLOFF-03_COMP_FILLDL

Tot Ion:	202	Resp:	271859
Ion Ratio		Lower	Upper
202	100		
200	21.1	17.4	26.2
203	18.2	14.3	21.5

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Sohil
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#78

Terphenyl-d14

Concen: 1.555 ng

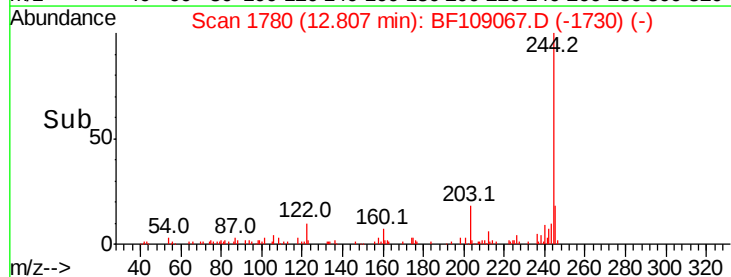
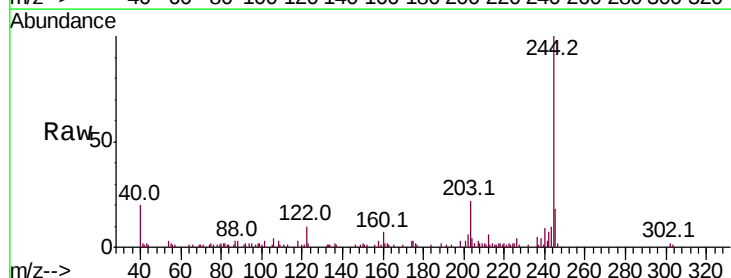
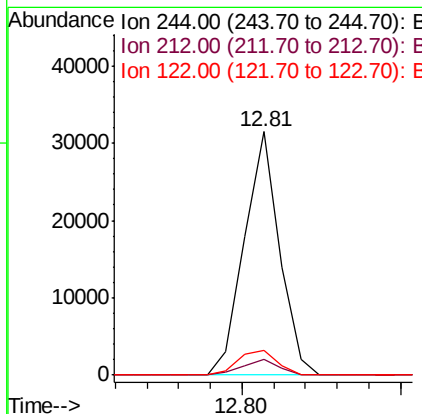
RT: 12.81 min Scan# 1780

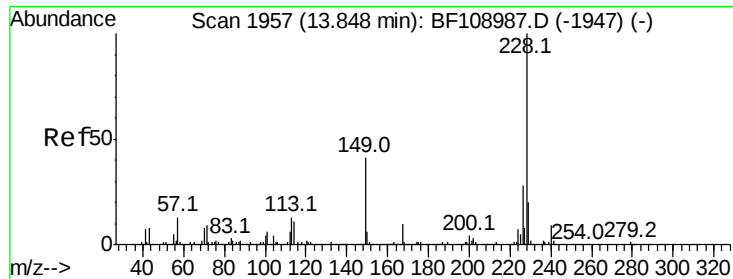
Delta R.T. -0.01 min

Lab File: BF109067.D

Acq: 18 Sep 2018 00:48

Tgt Ion:	244	Resp:	24155
Ion Ratio		Lower	Upper
244	100		
212	6.5	5.4	8.0
122	10.4	11.0	16.4#





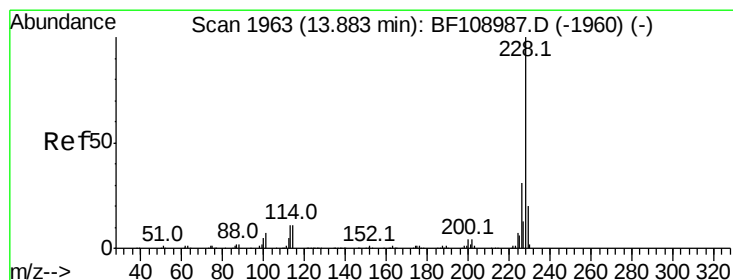
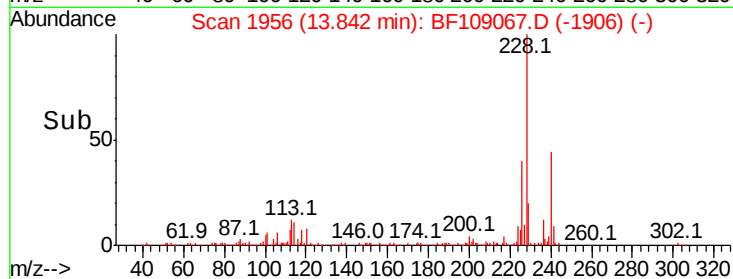
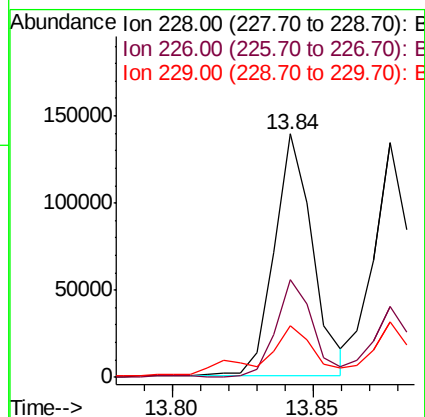
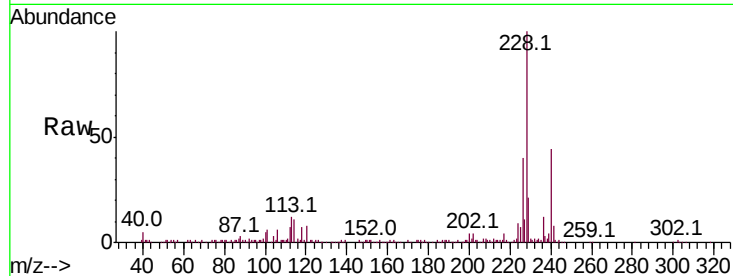
#80
Benzo(a)anthracene
Concen: 5.879 ng
RT: 13.84 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BF109067.D
Acq: 18 Sep 2018 00:48

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-03_COMP_FILLDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	39.9	22.6	33.8#
229	21.1	15.8	23.6

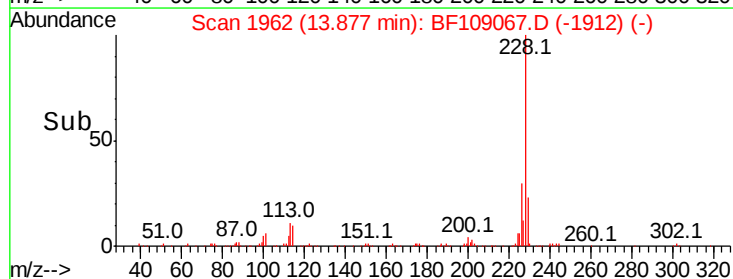
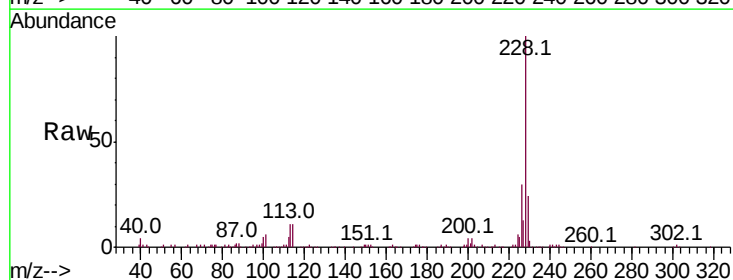
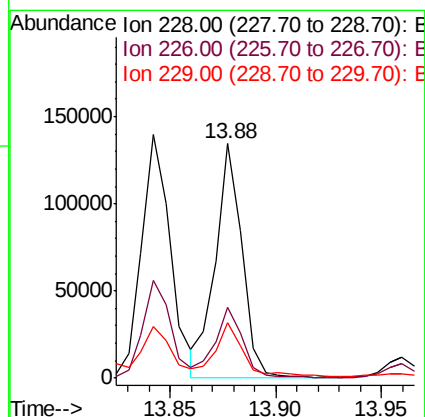
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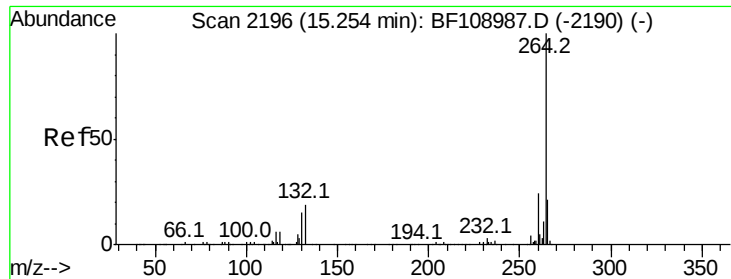
Sohil
9/19/2018 11:54:30 AM



#82
Chrysene
Concen: 5.264 ng
RT: 13.88 min Scan# 1962
Delta R.T. -0.01 min
Lab File: BF109067.D
Acq: 18 Sep 2018 00:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	23.7	16.2	24.4





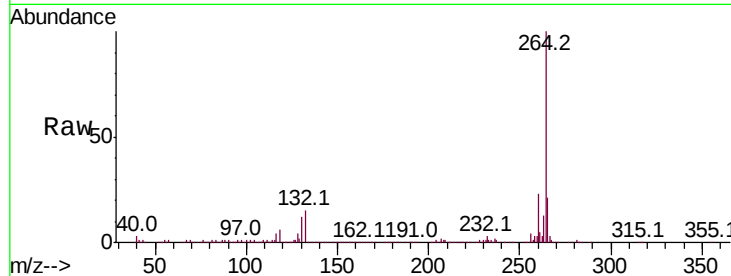
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF109067.D
Acq: 18 Sep 2018 00:48

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-03_COMP_FILDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	21.3	17.5	26.3

Manual Integrations
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Sohil
9/19/2018 11:54:30 AM

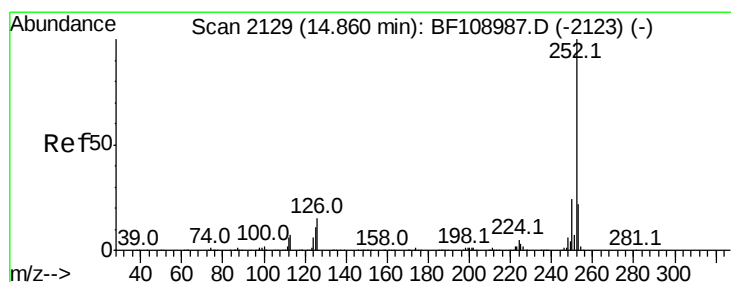
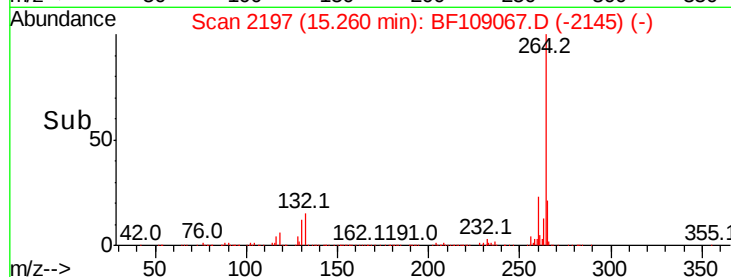
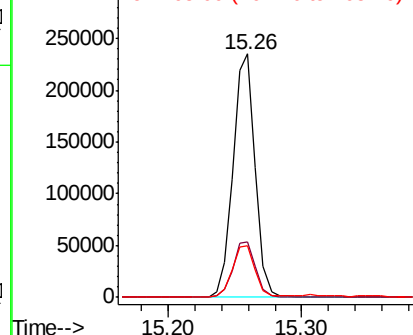


Abundance

Ion 264.00 (263.70 to 264.70): E

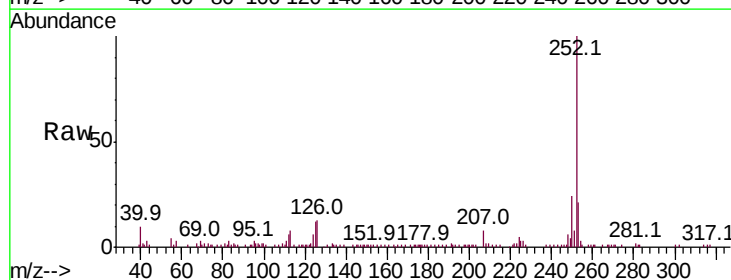
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 5.678 ng m
RT: 14.86 min Scan# 2129
Delta R.T. -0.00 min
Lab File: BF109067.D
Acq: 18 Sep 2018 00:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.0	25.6
125	11.6	9.0	13.6

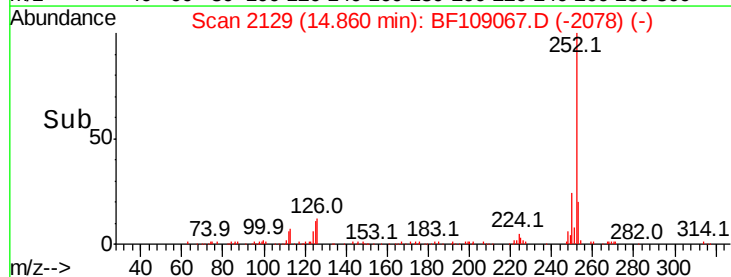
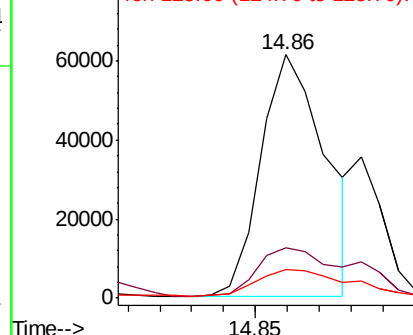


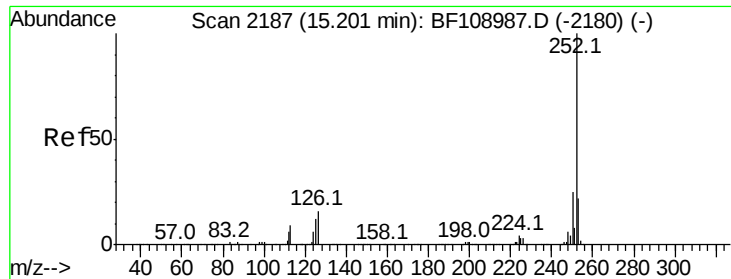
Abundance

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





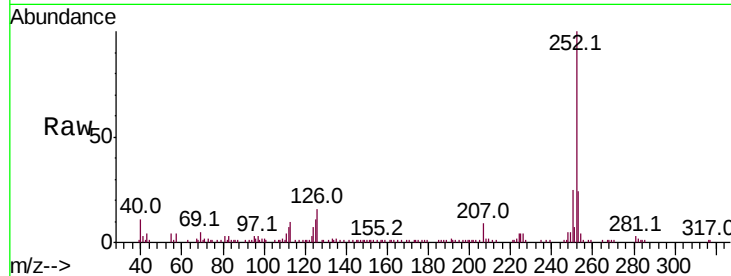
#89
 Benzo(a)pyrene
 Concen: 4.536 ng
 RT: 15.19 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: BF109067.D
 Acq: 18 Sep 2018 00:48

Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF-03_COMP_FILDL

Tot Ion:	252	Resp:	61131
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.1	25.7
125	11.4	9.8	14.6

Manual Integrations
 APPROVED

Sohil
 9/19/2018 11:54:30 AM



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

