

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091418\
 Data File : BF108999.D
 Acq On : 14 Sep 2018 17:16
 Operator : JU/SJ
 Sample : J4898-01DL 50X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF01-COMP-FILLDL

Manual Integrations
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 9/17/2018 4:21:44 PM

Quant Time: Sep 17 13:01:27 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	149513	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	593777	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	282649	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	526043	20.00	ng	0.00
75) Chrysene-d12	13.85	240	357175	20.00	ng	0.00
86) Perylene-d12	15.25	264	397983	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	13688	1.52	ng	0.00
7) Phenol-d6	6.34	99	19043	1.64	ng	-0.02
23) Nitrobenzene-d5	7.27	82	10721	1.01	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	3880	1.26	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	22281	1.24	ng	-0.01
78) Terphenyl-d14	12.81	244	21255	1.41	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.02	128	1565654	56.810	ng	99
37) 2-Methylnaphthalene	8.71	142	395401	22.010	ng	99
45) 1,1'-Biphenyl	9.18	154	103851	4.593	ng	96
48) Acenaphthylene	9.61	152	131186	4.805	ng	98
51) Acenaphthene	9.78	154	248864	14.637	ng	100
54) Dibenzofuran	9.95	168	341768	13.910	ng	98
57) Fluorene	10.30	166	343241	20.963	ng	99
70) Phenanthrene	11.25	178	1220115	47.316	ng	99
71) Anthracene	11.30	178	521230	19.940	ng	99
72) Carbazole	11.45	167	132076	5.104	ng	98
74) Fluoranthene	12.44	202	733069	26.928	ng	96
77) Pvrene	12.66	202	578274	21.797	ng	99
80) Benzo(a)anthracene	13.84	228	244013	11.284	ng	# 90
82) Chrysene	13.88	228	200494	9.267	ng	96
85) Indeno(1,2,3-cd)pyrene	16.59	276	95218	5.505	ng	# 91
87) Benzo(b)fluoranthene	14.86	252	196167m	8.910	ng	
88) Benzo(k)fluoranthene	14.88	252	77287m	3.758	ng	
89) Benzo(a)pyrene	15.19	252	170924	8.742	ng	98
91) Benzo(a,h,i)perylene	16.99	276	81109	4.939	ng	92

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

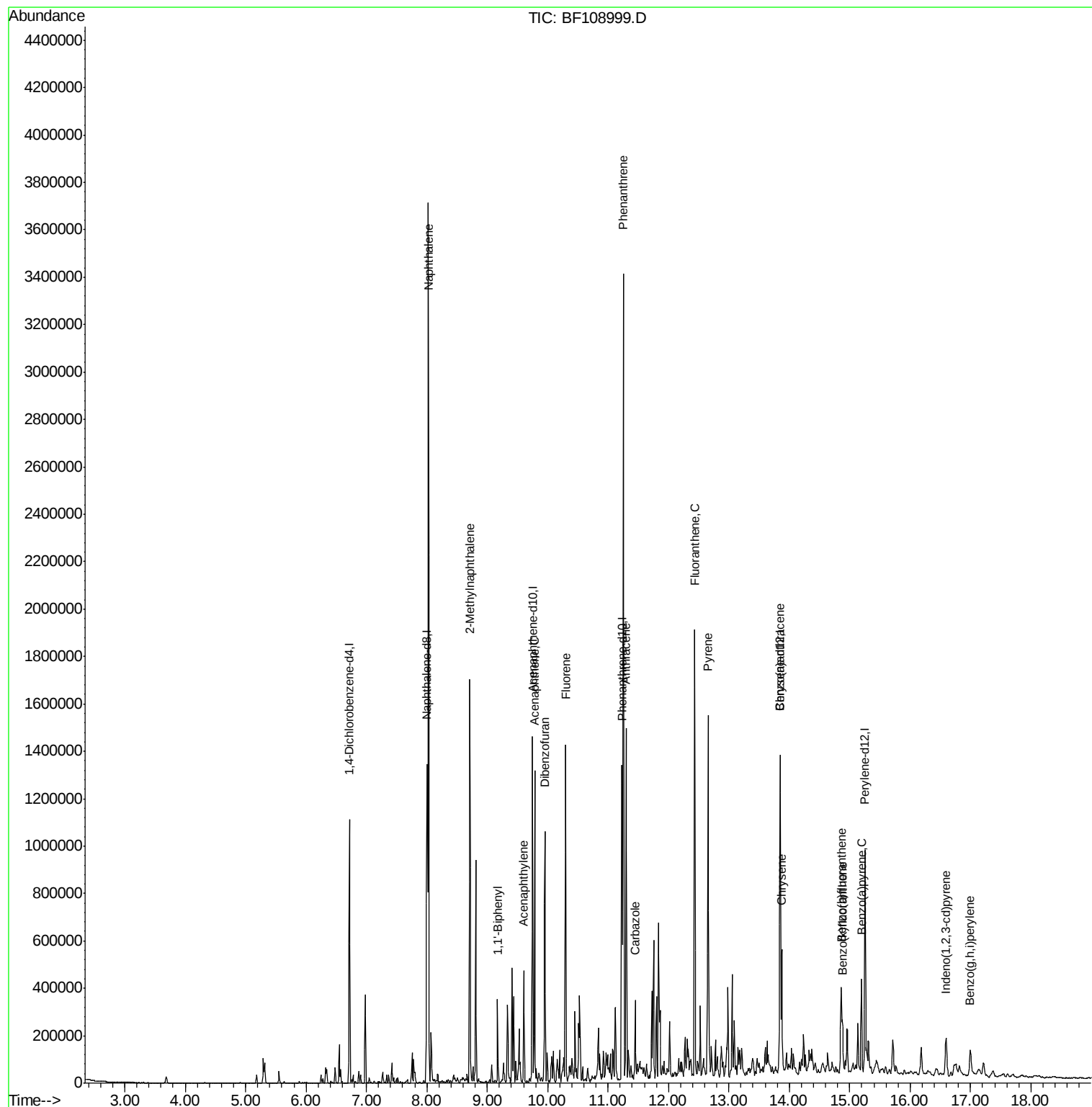
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091418\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
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#1

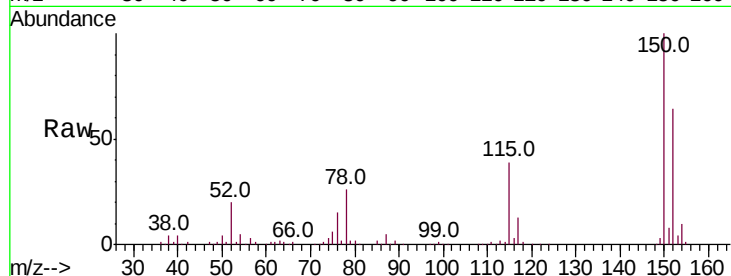
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF108999.D
Acq: 14 Sep 2018 17:16

Instrument :
BNA_F
ClientSampleId :
ROLLOFF01-COMP-FILLDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.6	186.8
115	60.8	50.1	75.1

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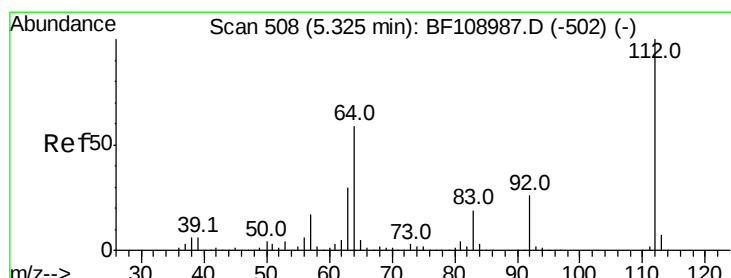
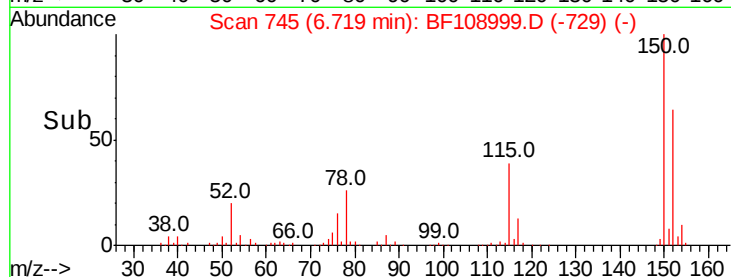
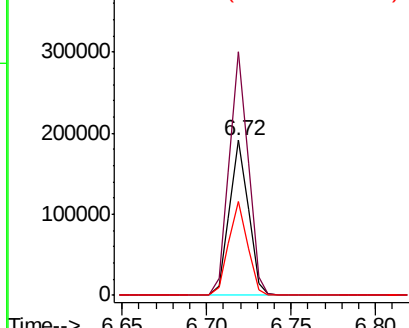


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

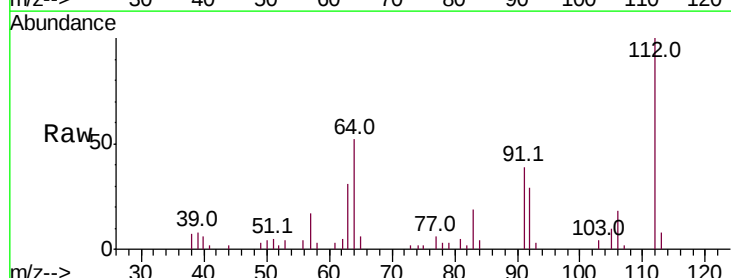
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 1.521 ng
RT: 5.32 min Scan# 507
Delta R.T. -0.00 min
Lab File: BF108999.D
Acq: 14 Sep 2018 17:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.8	47.9	71.9
63	30.7	23.7	35.5

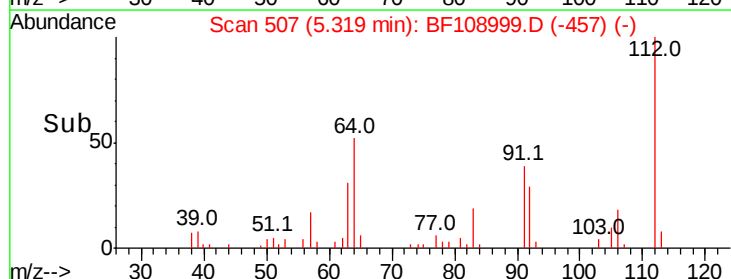
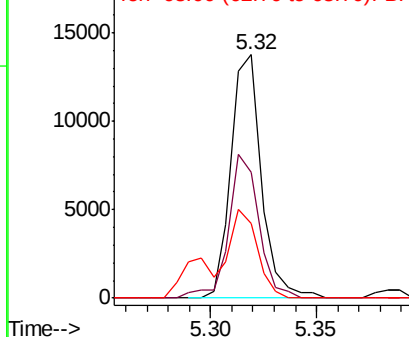


Abundance

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: 1.641 ng

RT: 6.34 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF108999.D

Acq: 14 Sep 2018 17:16

Instrument :

BNA_F

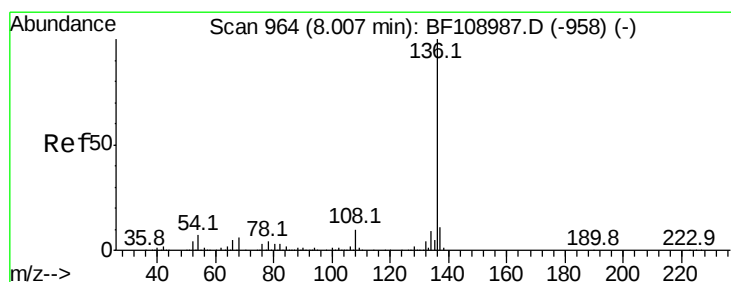
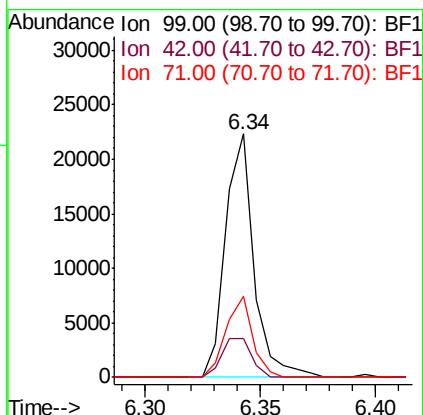
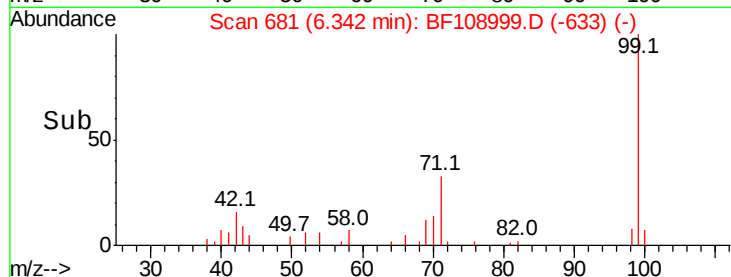
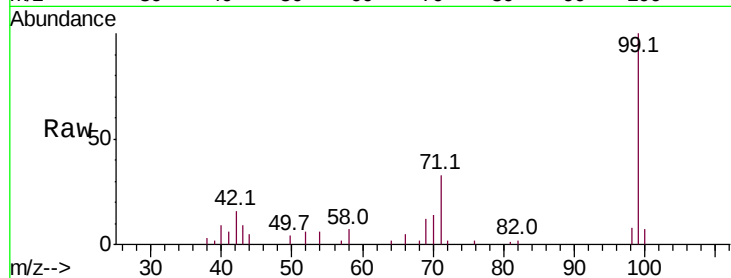
ClientSampleId :

ROLLOFF01-COMP-FILLDL

Tot Ion:	99	Resp:	19043
Ion Ratio	Lower	Upper	
99	100		
42	15.9	14.5	21.7
71	33.3	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

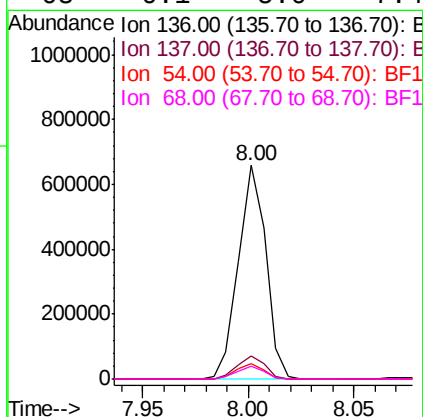
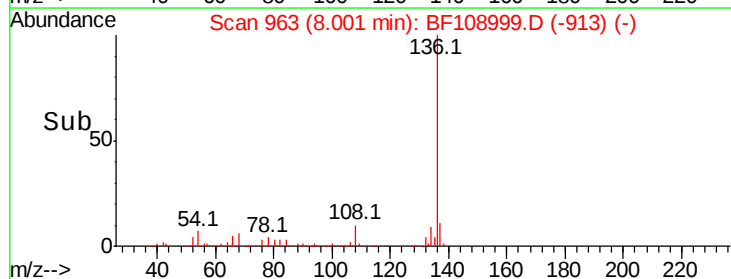
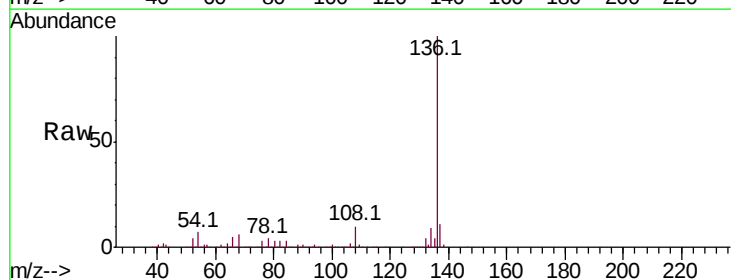
RT: 8.00 min Scan# 963

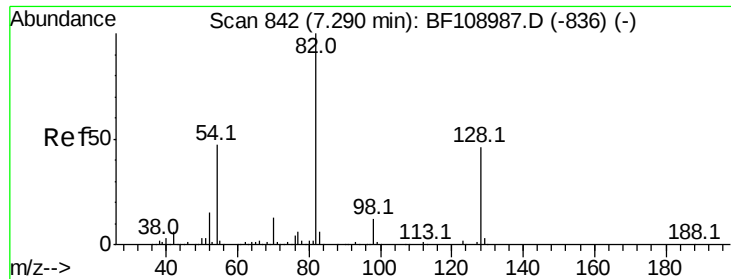
Delta R.T. -0.01 min

Lab File: BF108999.D

Acq: 14 Sep 2018 17:16

Tgt Ion:	136	Resp:	593777
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	7.5	6.6	9.8
68	6.1	5.0	7.4





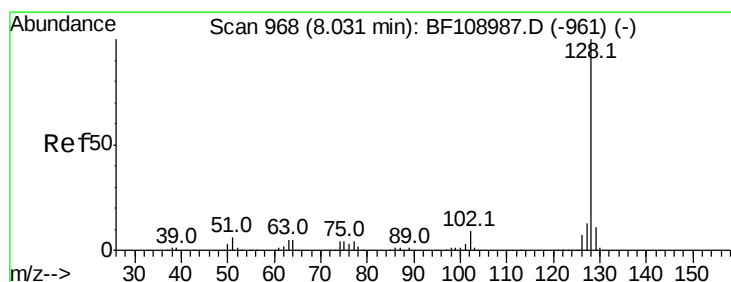
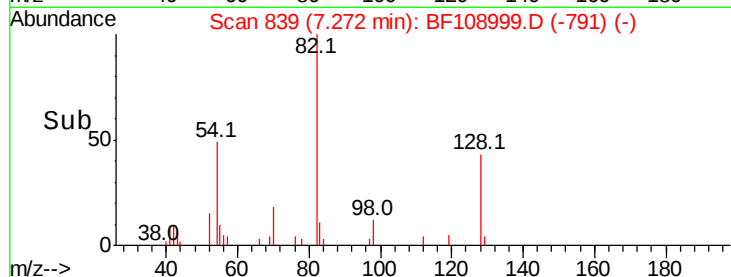
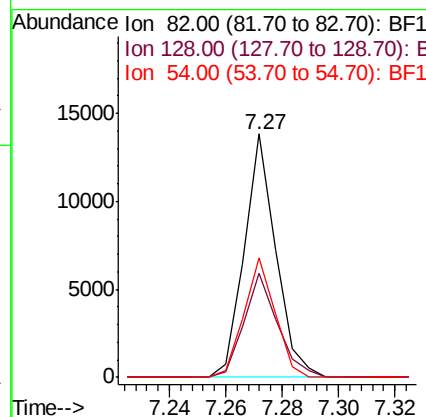
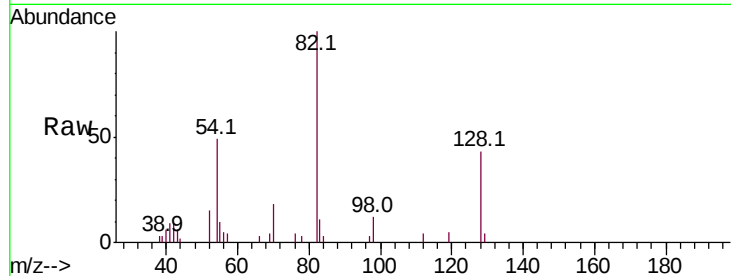
#23
Nitrobenzene-d5
Concen: 1.013 ng
RT: 7.27 min Scan# 839
Delta R.T. -0.02 min
Lab File: BF108999.D
Acq: 14 Sep 2018 17:16

Instrument :
BNA_F
ClientSampleId :
ROLLOFF01-COMP-FILLDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.7	36.1	54.1
54	48.9	41.4	62.2

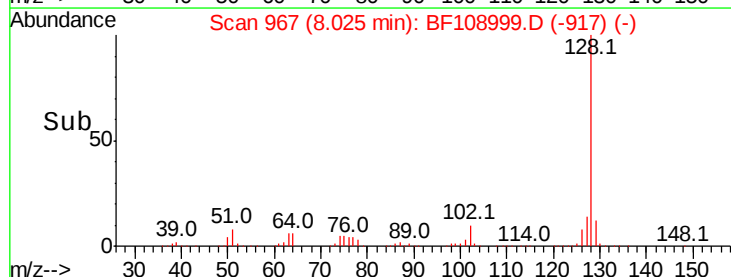
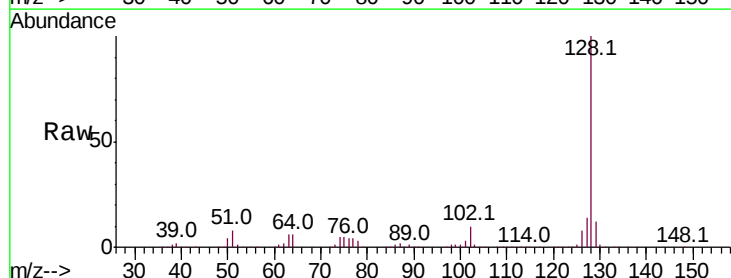
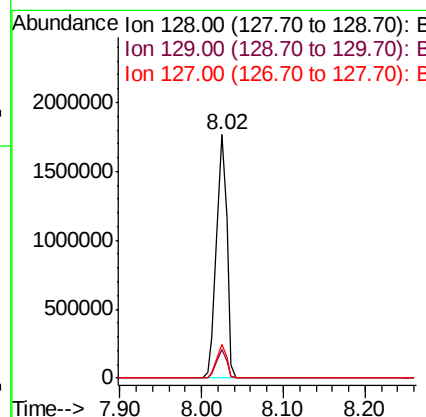
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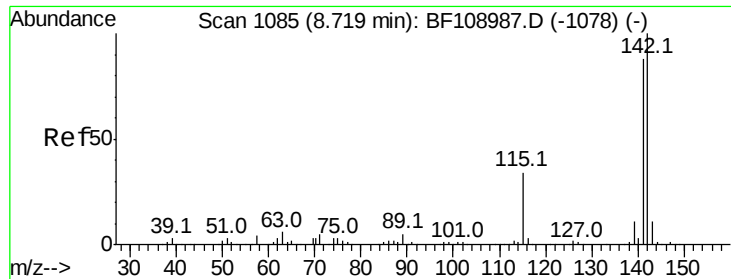
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#31
Naphthalene
Concen: 56.810 ng
RT: 8.02 min Scan# 967
Delta R.T. -0.01 min
Lab File: BF108999.D
Acq: 14 Sep 2018 17:16

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.8	13.2
127	13.7	10.9	16.3





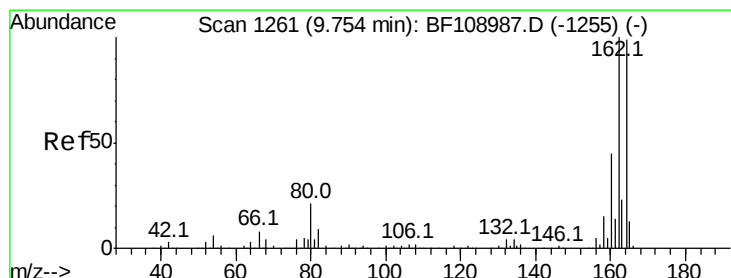
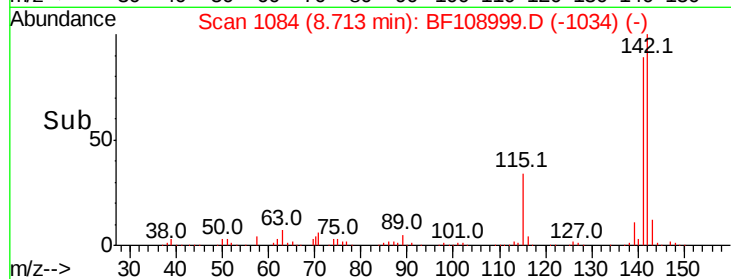
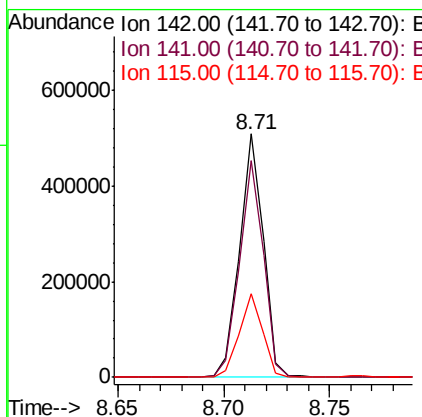
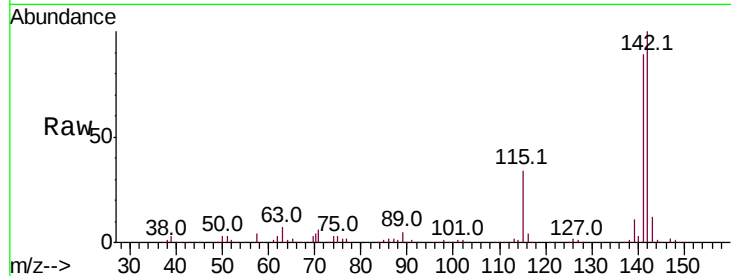
#37
2-Methylnaphthalene
Concen: 22.010 ng
RT: 8.71 min Scan# 1084
Delta R.T. -0.01 min
Lab File: BF108999.D
Acq: 14 Sep 2018 17:16

Instrument :
BNA_F
ClientSampleId :
ROLLOFF01-COMP-FILLDL

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.8	106.2
115	34.3	26.1	39.1

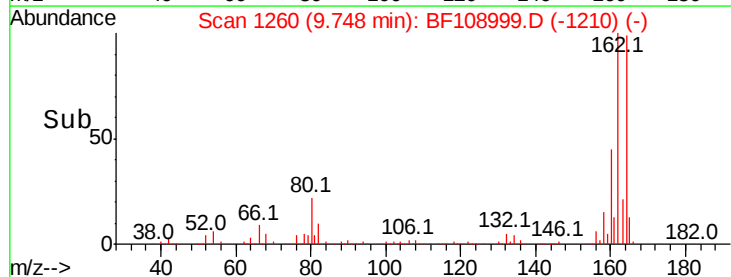
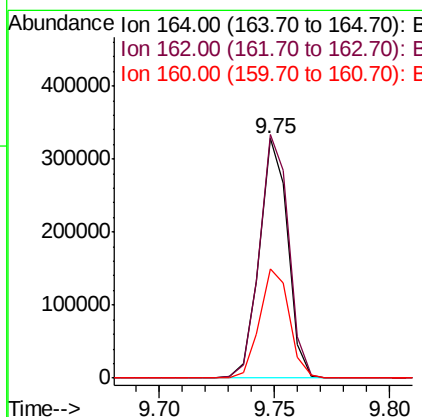
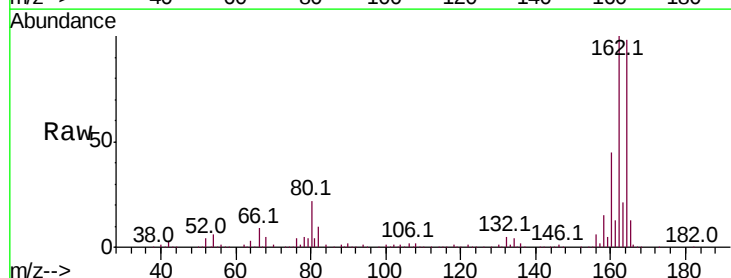
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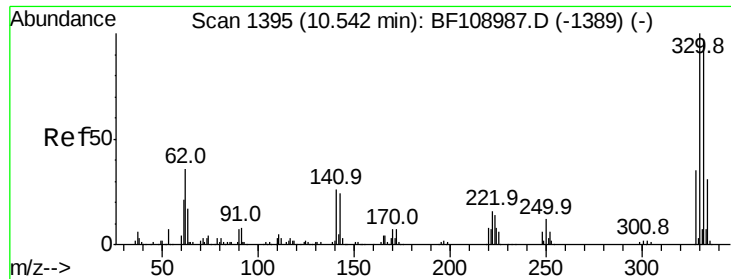
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF108999.D
Acq: 14 Sep 2018 17:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	86.1	129.1
160	45.4	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 1.265 ng

RT: 10.53 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BF108999.D

Acq: 14 Sep 2018 17:16

Instrument :

BNA_F

ClientSampleId :

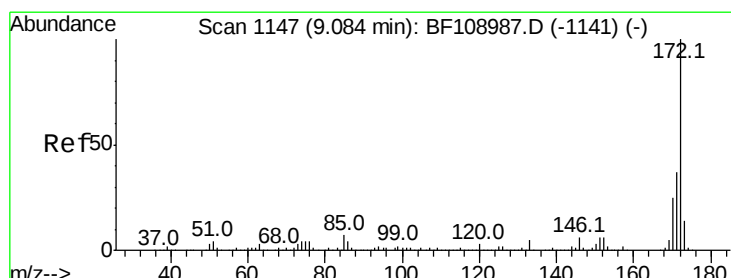
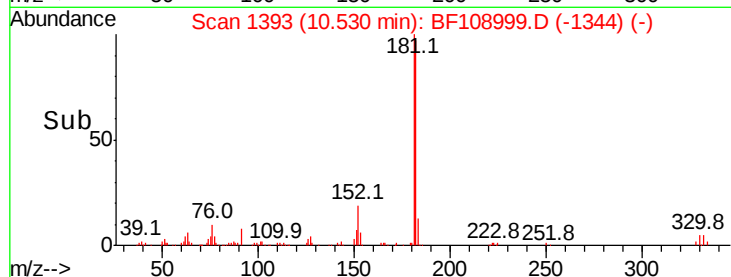
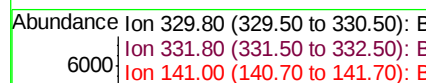
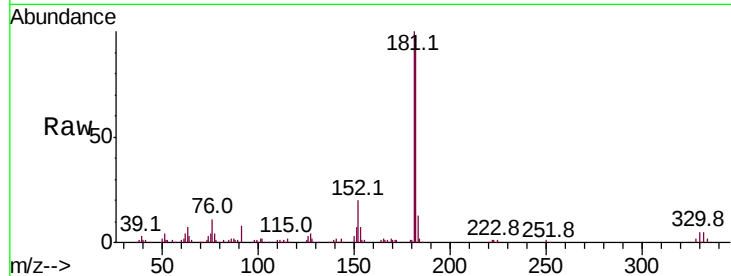
ROLLOFF01-COMP-FILLDL

Tot Ion:	330	Resp:	3880
Ion Ratio	Lower	Upper	
330	100		
332	95.8	77.0	115.6
141	61.7	29.9	44.9#

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#44

2-Fluorobiphenyl

Concen: 1.235 ng

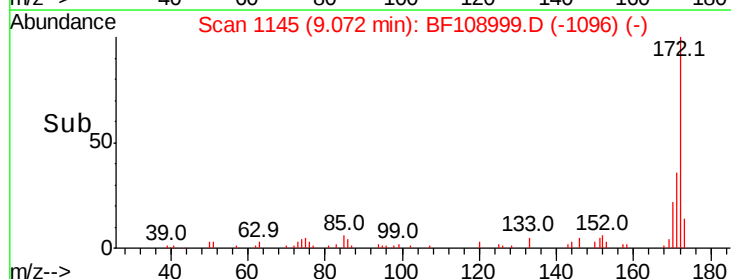
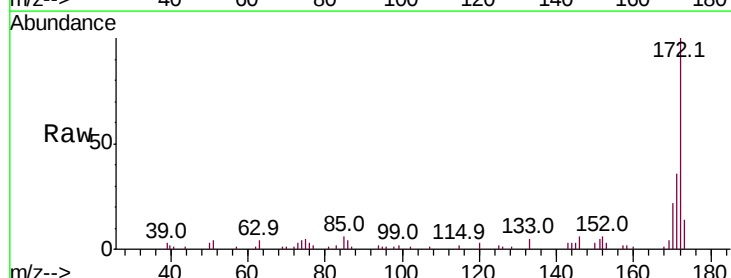
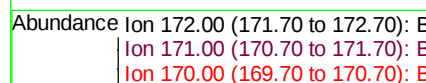
RT: 9.07 min Scan# 1145

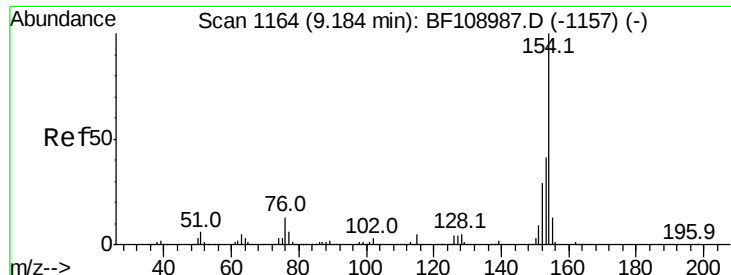
Delta R.T. -0.01 min

Lab File: BF108999.D

Acq: 14 Sep 2018 17:16

Tgt Ion:	172	Resp:	22281
Ion Ratio	Lower	Upper	
172	100		
171	36.0	29.7	44.5
170	21.5	19.6	29.4





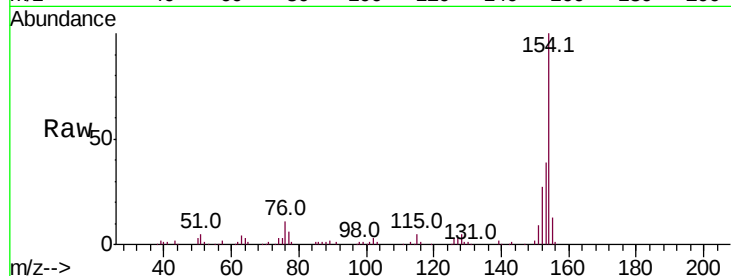
#45
1,1'-Biphenyl
Concen: 4.593 ng
RT: 9.18 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF108999.D
Acq: 14 Sep 2018 17:16

Instrument :
BNA_F
ClientSampleId :
ROLLOFF01-COMP-FILLDL

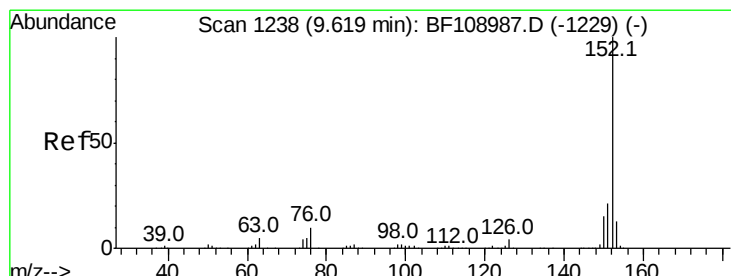
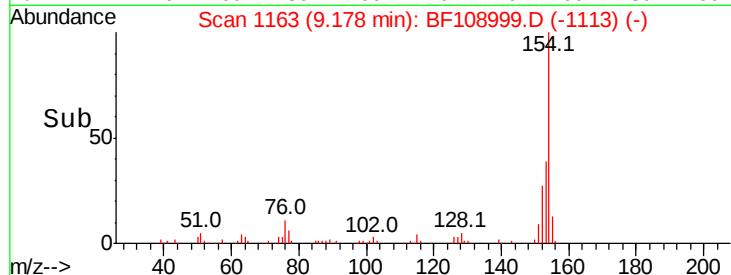
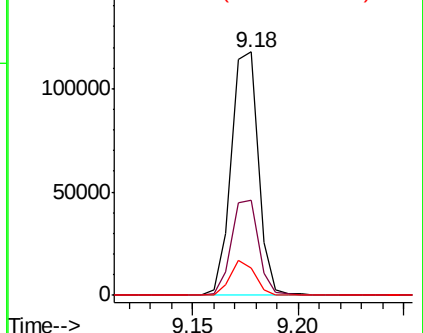
Tot Ion:	154	Resp:	103851
Ion Ratio	Lower	Upper	
154	100		
153	39.1	21.3	61.3
76	11.3	0.0	34.0

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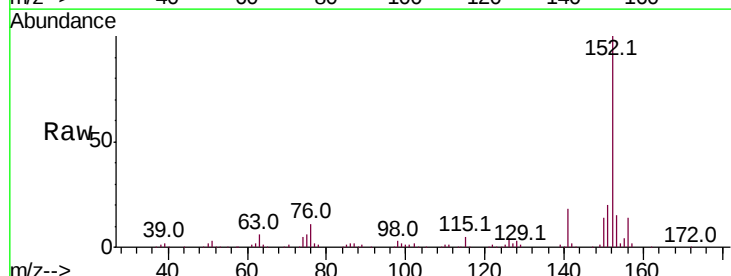


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

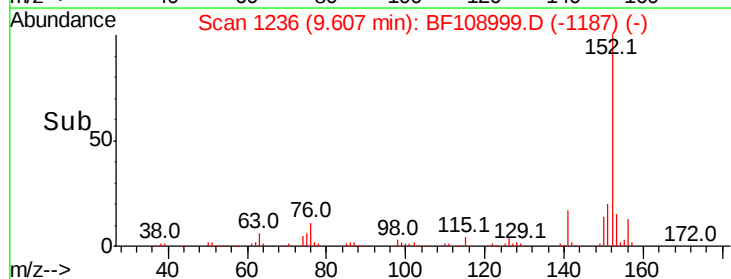
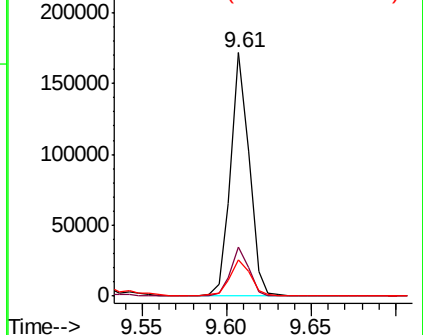


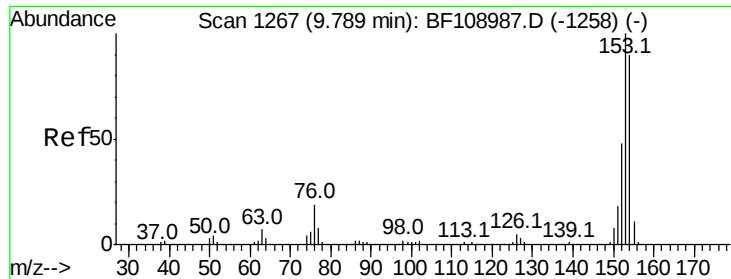
#48
Acenaphthylene
Concen: 4.805 ng
RT: 9.61 min Scan# 1236
Delta R.T. -0.01 min
Lab File: BF108999.D
Acq: 14 Sep 2018 17:16

Tgt Ion:	152	Resp:	131186
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.3	24.5
153	15.1	10.7	16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 14.637 ng

RT: 9.78 min Scan# 1266

Delta R.T. -0.01 min

Lab File: BF108999.D

Acq: 14 Sep 2018 17:16

Instrument :

BNA_F

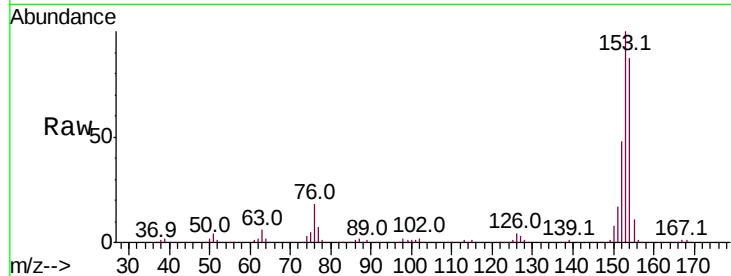
ClientSampleId :

ROLLOFF01-COMP-FILLDL

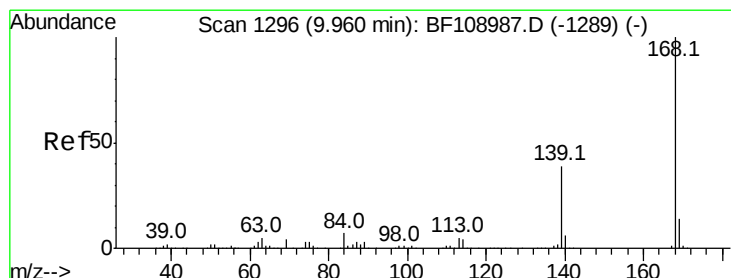
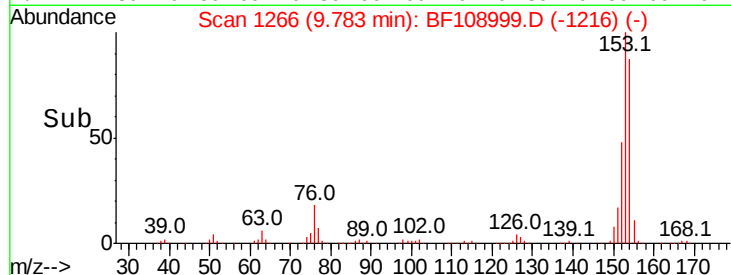
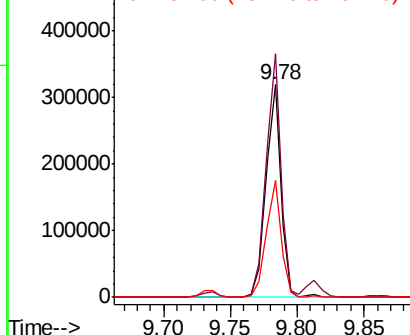
Tot Ion:	154	Resp:	248864
Ion Ratio	Lower	Upper	
154	100		
153	114.5	91.2	136.8
152	54.9	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 13.910 ng

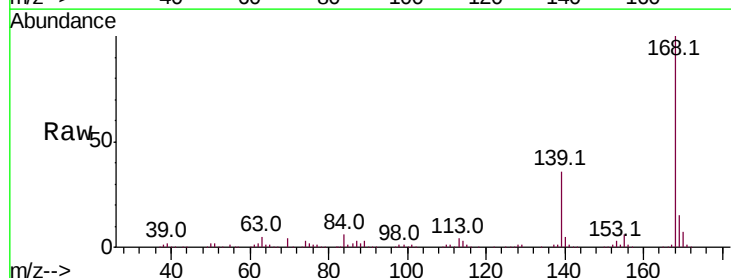
RT: 9.95 min Scan# 1295

Delta R.T. -0.01 min

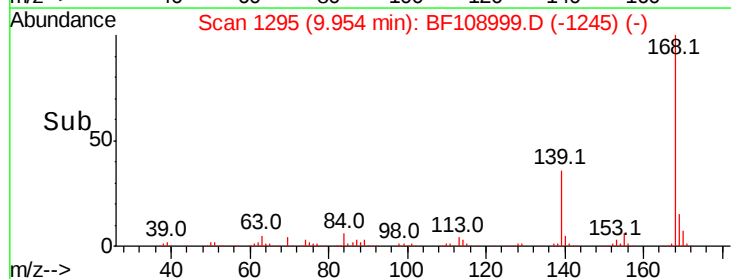
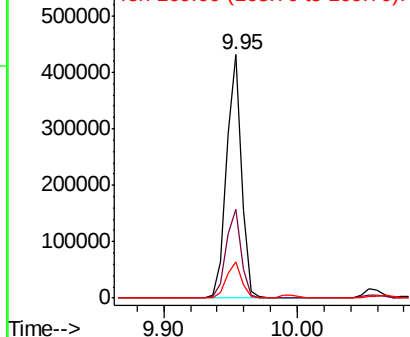
Lab File: BF108999.D

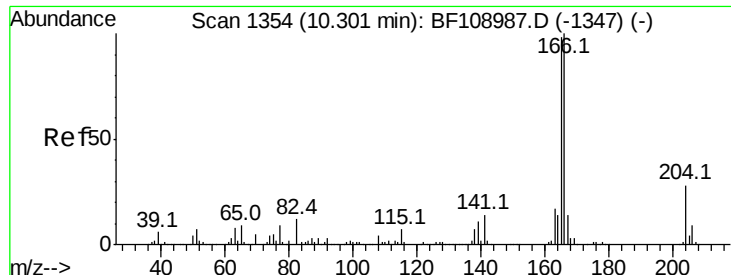
Acq: 14 Sep 2018 17:16

Tgt Ion:	168	Resp:	341768
Ion Ratio	Lower	Upper	
168	100		
139	36.4	30.1	45.1
169	14.7	10.9	16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 20.963 ng

RT: 10.30 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BF108999.D

Acq: 14 Sep 2018 17:16

Instrument :

BNA_F

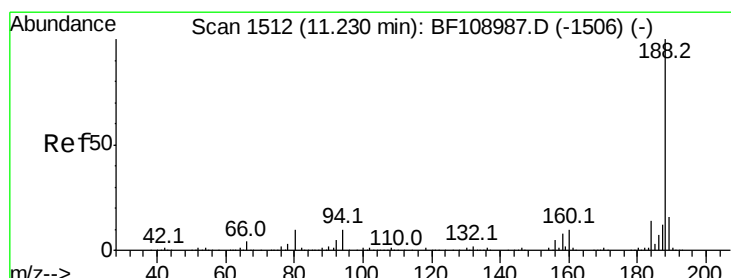
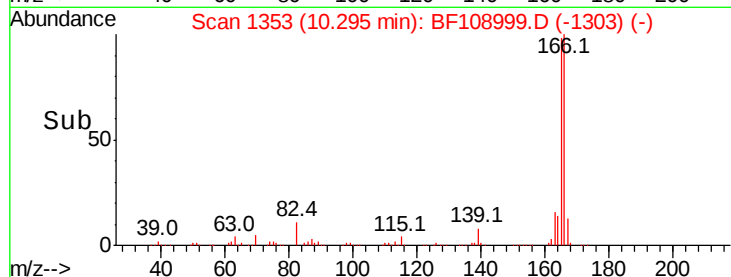
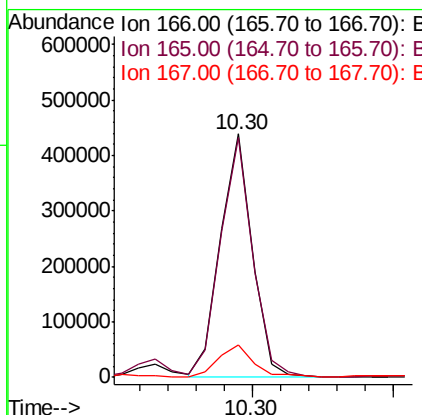
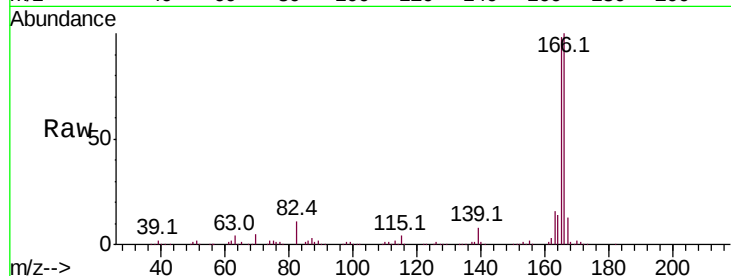
ClientSampleId :

ROLLOFF01-COMP-FILLDL

Tot Ion:	166	Resp:	343241
Ion Ratio	Lower	Upper	
166	100		
165	98.3	79.8	119.8
167	13.4	10.6	16.0

Manual Integrations
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Sohil
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#63

Phenanthrene-d10

Concen: 20.000 ng

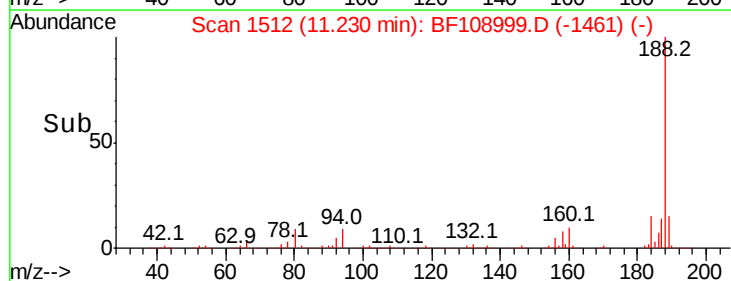
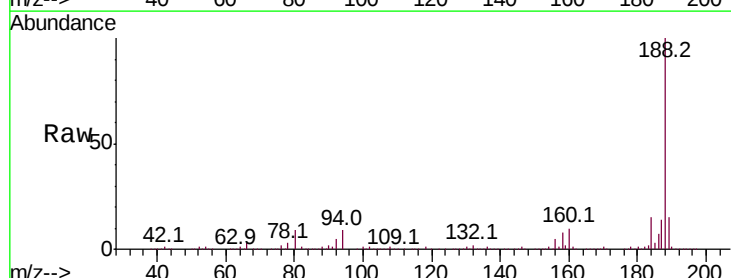
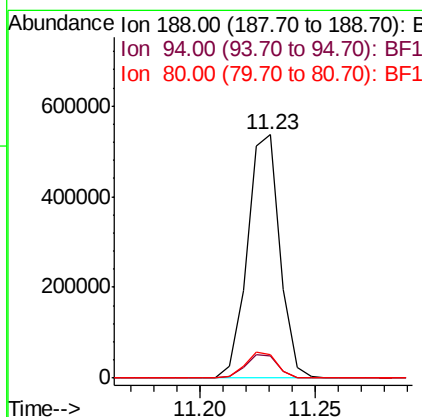
RT: 11.23 min Scan# 1512

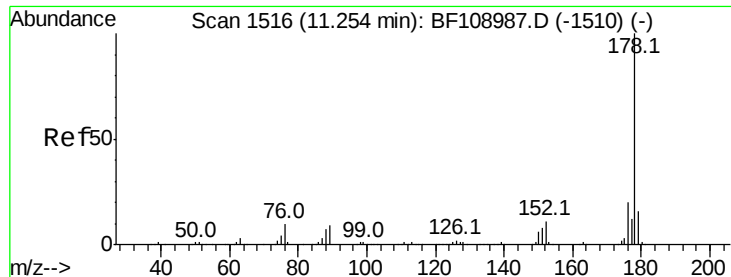
Delta R.T. -0.00 min

Lab File: BF108999.D

Acq: 14 Sep 2018 17:16

Tgt Ion:	188	Resp:	526043
Ion Ratio	Lower	Upper	
188	100		
94	9.3	8.5	12.7
80	9.4	9.2	13.8





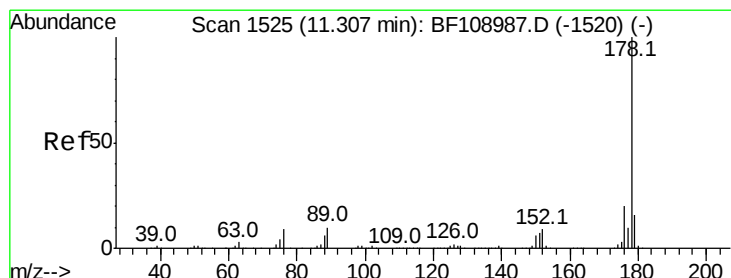
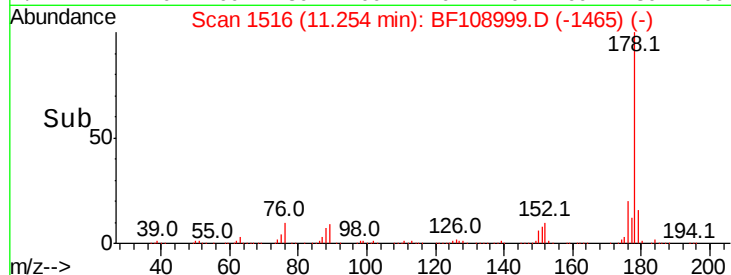
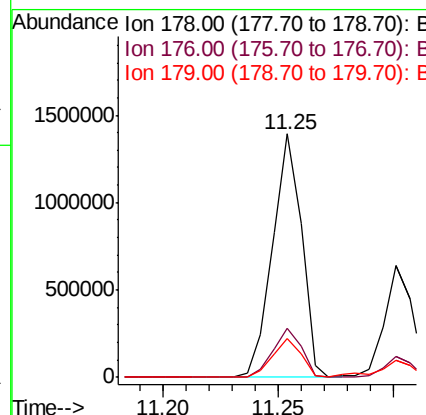
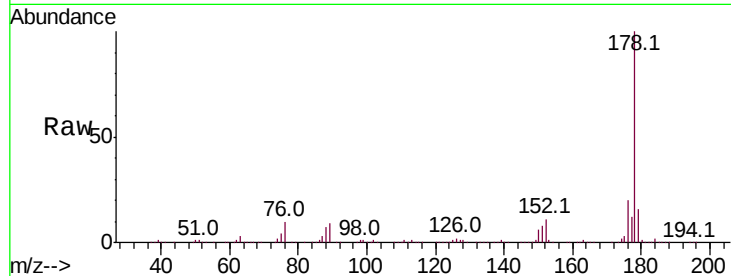
#70
Phenanthrene
Concen: 47.316 ng
RT: 11.25 min Scan# 1516
Delta R.T. -0.00 min
Lab File: BF108999.D
Acq: 14 Sep 2018 17:16

Instrument :
BNA_F
ClientSampleId :
ROLLOFF01-COMP-FILLDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.8
179	15.9	13.0	19.6

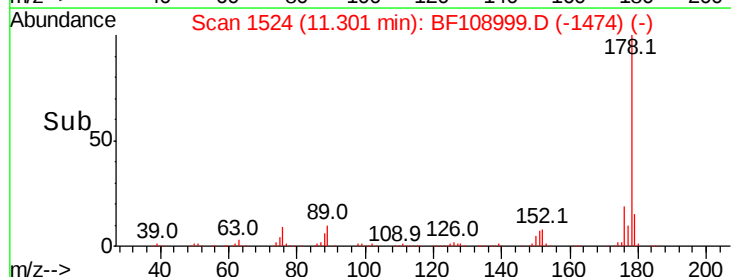
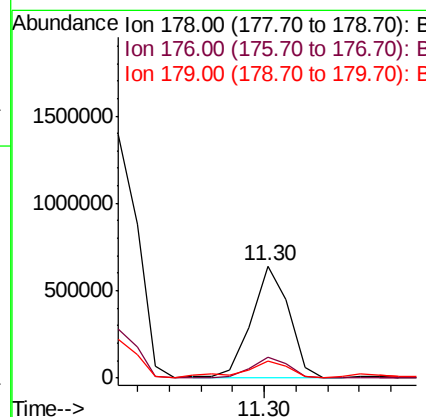
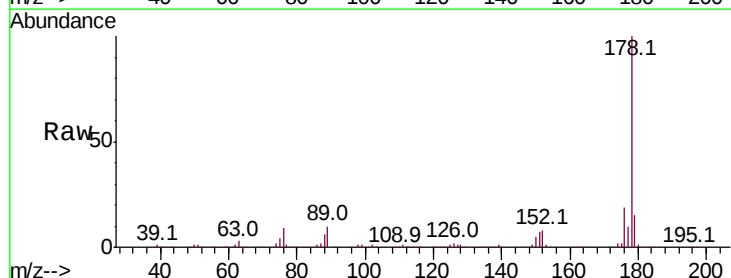
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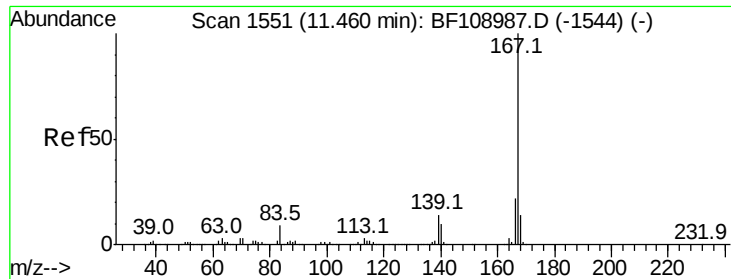
Sohil
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#71
Anthracene
Concen: 19.940 ng
RT: 11.30 min Scan# 1524
Delta R.T. -0.01 min
Lab File: BF108999.D
Acq: 14 Sep 2018 17:16

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.4	12.6	19.0





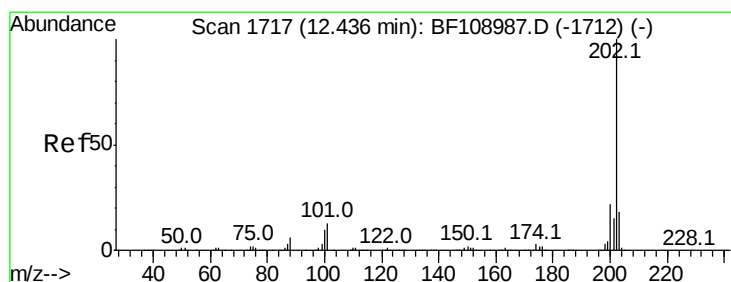
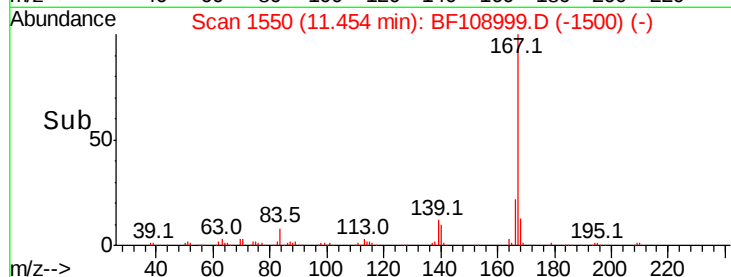
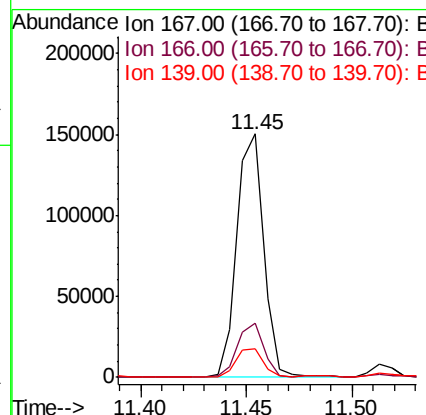
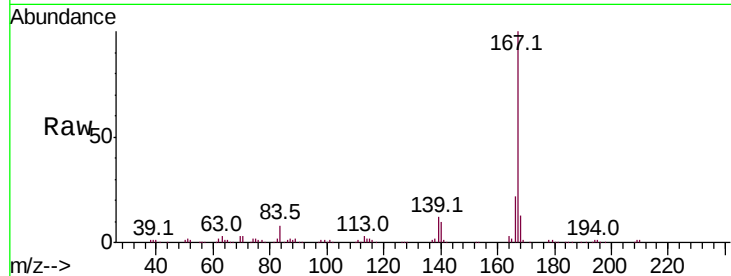
#72
 Carbazole
 Concen: 5.104 ng
 RT: 11.45 min Scan# 1550
 Delta R.T. -0.01 min
 Lab File: BF108999.D
 Acq: 14 Sep 2018 17:16

Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF01-COMP-FILLDL

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.6	26.4
139	12.0	10.9	16.3

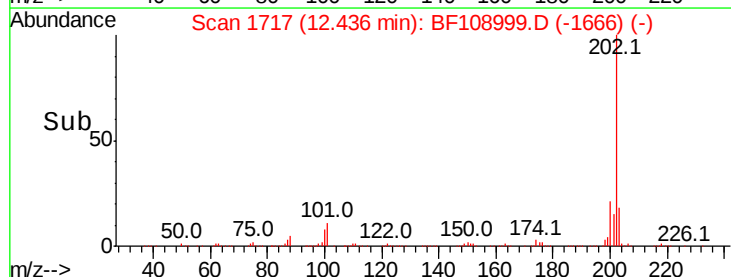
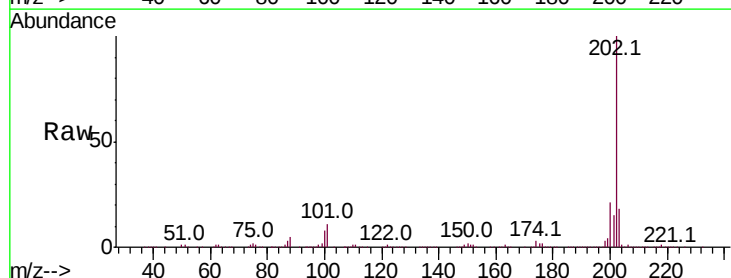
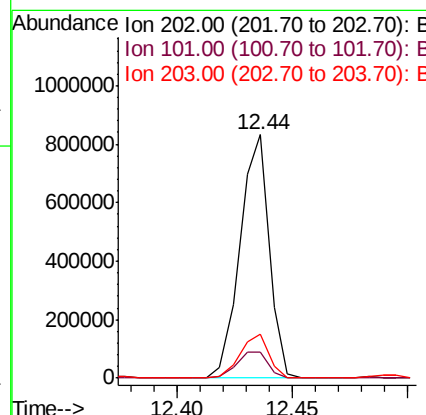
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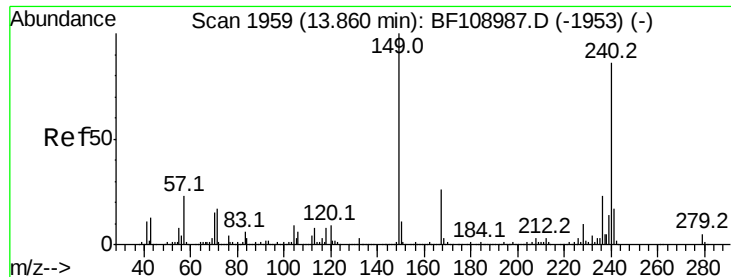
Sohil
 9/17/2018 4:21:44 PM



#74
 Fluoranthene
 Concen: 26.928 ng
 RT: 12.44 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: BF108999.D
 Acq: 14 Sep 2018 17:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	34.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.85 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BF108999.D

Acq: 14 Sep 2018 17:16

Instrument :

BNA_F

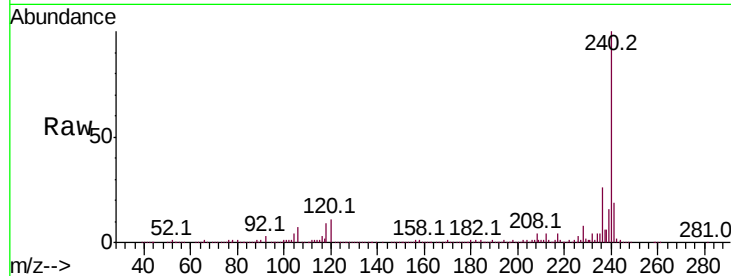
ClientSampleId :

ROLLOFF01-COMP-FILLDL

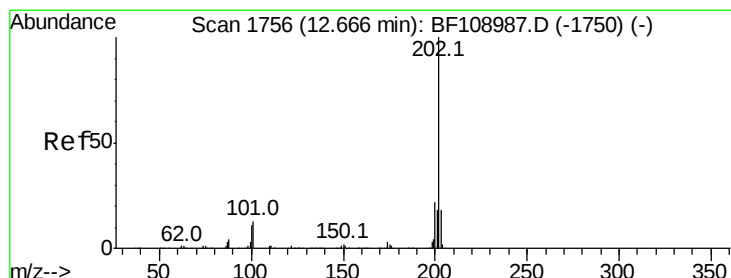
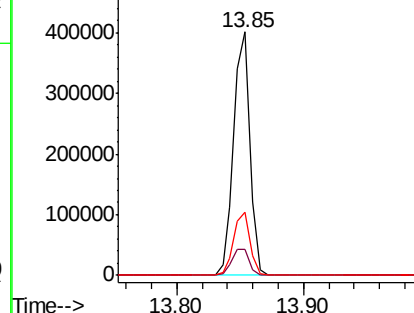
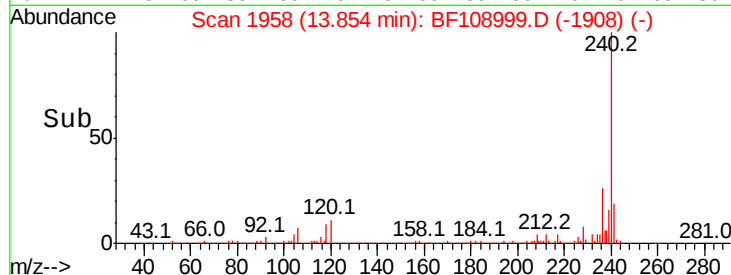
Tot Ion:	240	Resp:	357175
Ion Ratio	Lower	Upper	
240	100		
120	10.8	9.5	14.3
236	25.9	20.7	31.1

Manual Integrations
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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: 21.797 ng

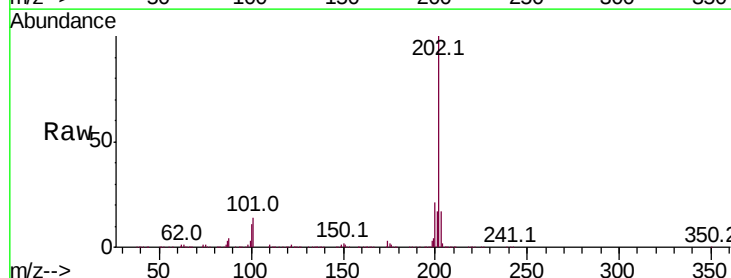
RT: 12.66 min Scan# 1755

Delta R.T. -0.01 min

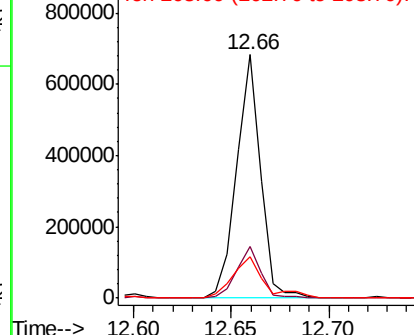
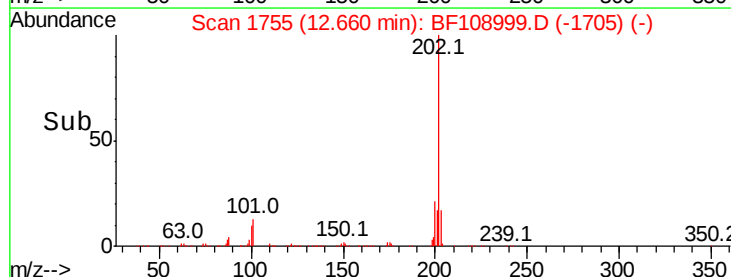
Lab File: BF108999.D

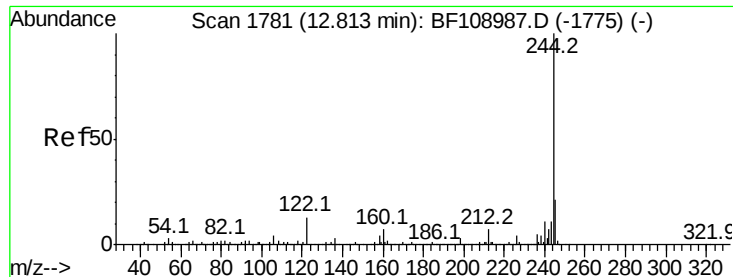
Acq: 14 Sep 2018 17:16

Tgt Ion:	202	Resp:	578274
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.4	26.2
203	17.1	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





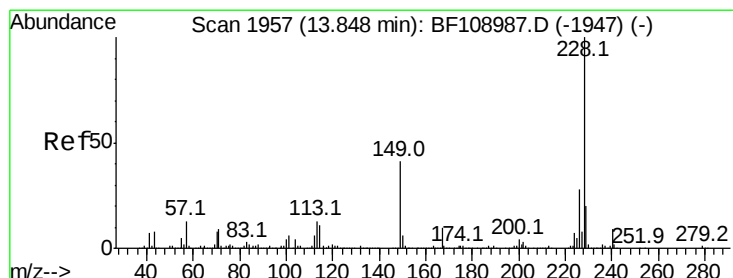
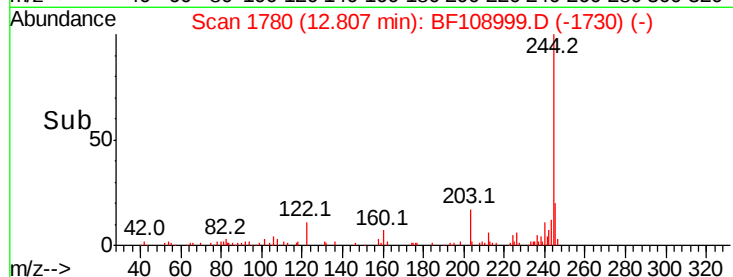
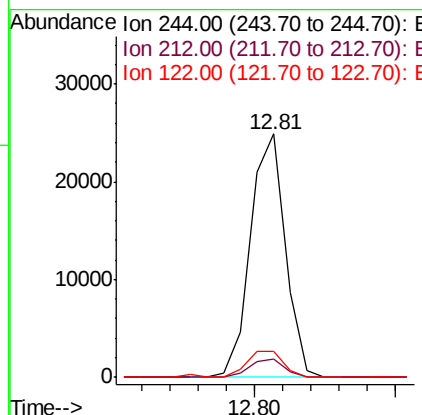
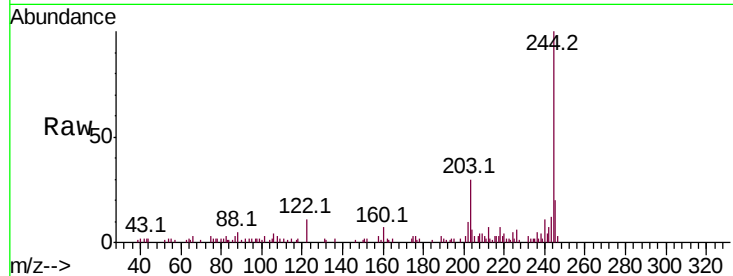
#78
 Terphenyl-d14
 Concen: 1.411 ng
 RT: 12.81 min Scan# 1780
 Delta R.T. -0.01 min
 Lab File: BF108999.D
 Acq: 14 Sep 2018 17:16

Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF01-COMP-FILLDL

Tot Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.4	5.4	8.0
122	10.6	11.0	16.4

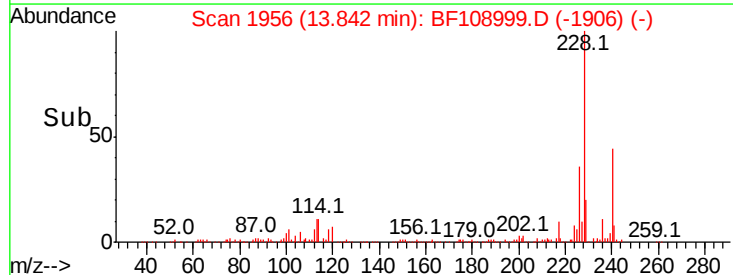
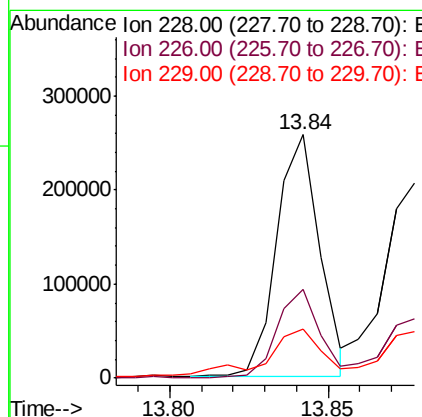
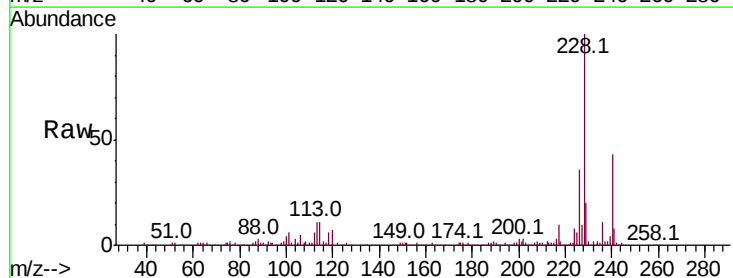
Manual Integrations
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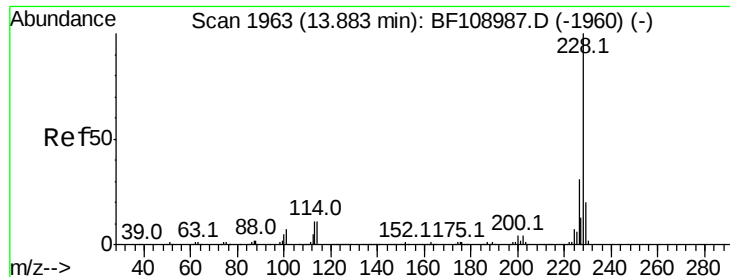
Sohil
 9/17/2018 4:21:44 PM



#80
 Benzo(a)anthracene
 Concen: 11.284 ng
 RT: 13.84 min Scan# 1956
 Delta R.T. -0.01 min
 Lab File: BF108999.D
 Acq: 14 Sep 2018 17:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	36.5	22.6	33.8
229	20.3	15.8	23.6





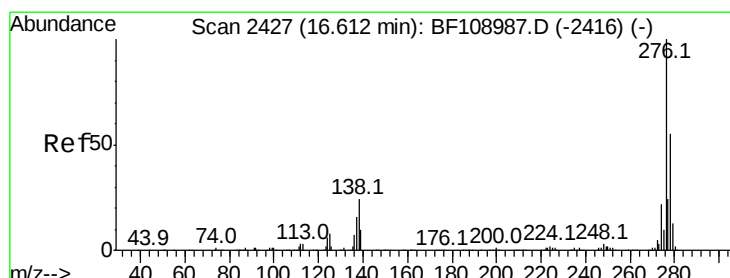
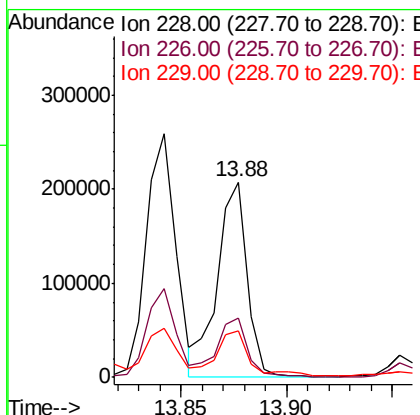
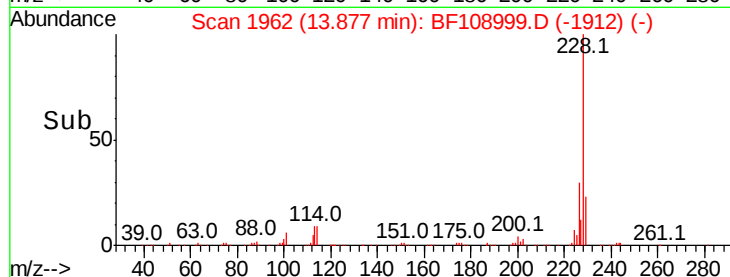
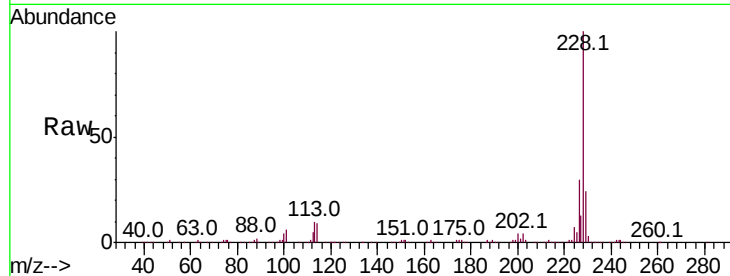
#82
Chrysene
Concen: 9.267 ng
RT: 13.88 min Scan# 1962
Delta R.T. -0.01 min
Lab File: BF108999.D
Acq: 14 Sep 2018 17:16

Instrument :
BNA_F
ClientSampleId :
ROLLOFF01-COMP-FILLDL

Tot Ion:	228	Resp:	200494
Ion Ratio	Lower	Upper	
228	100		
226	30.4	25.0	37.6
229	24.1	16.2	24.4

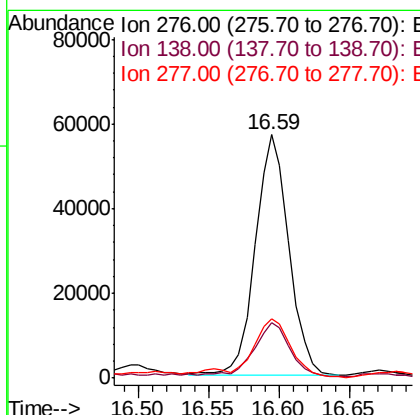
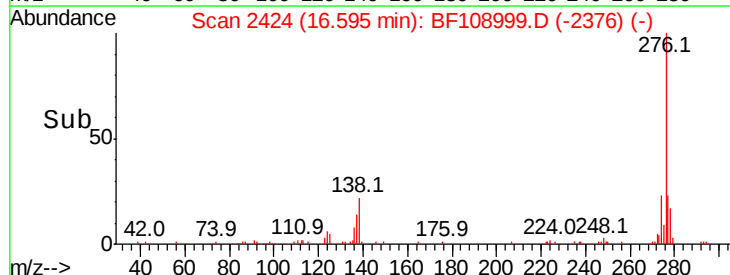
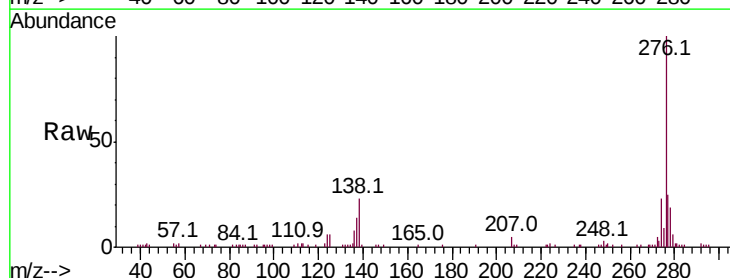
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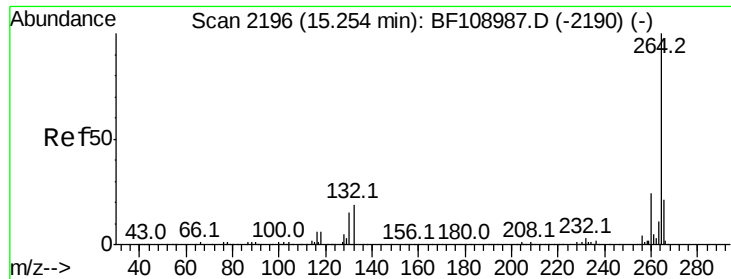
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 5.505 ng
RT: 16.59 min Scan# 2424
Delta R.T. -0.02 min
Lab File: BF108999.D
Acq: 14 Sep 2018 17:16

Tgt Ion:	276	Resp:	95218
Ion Ratio	Lower	Upper	
276	100		
138	23.9	25.0	37.6#
277	27.0	20.1	30.1





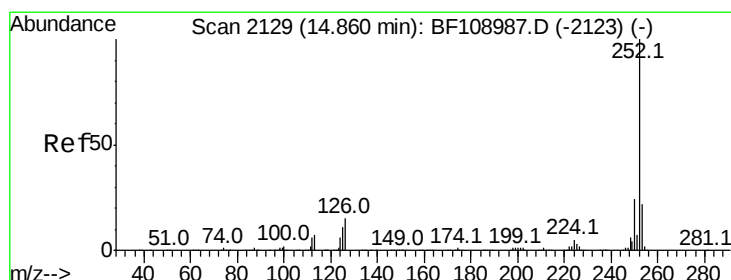
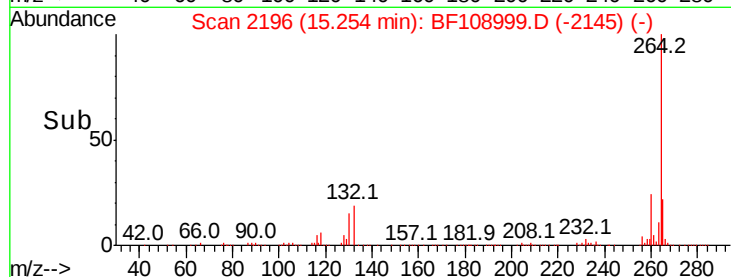
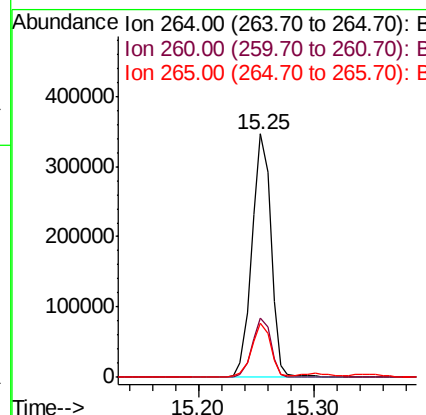
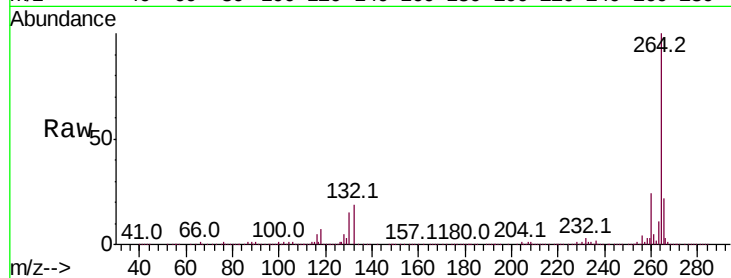
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.25 min Scan# 2196
Delta R.T. -0.00 min
Lab File: BF108999.D
Acq: 14 Sep 2018 17:16

Instrument :
BNA_F
ClientSampleId :
ROLLOFF01-COMP-FILLDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.1	17.5	26.3

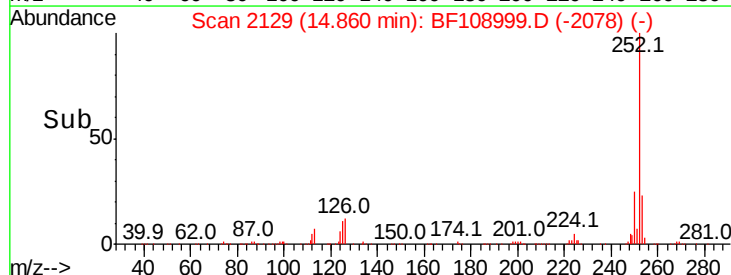
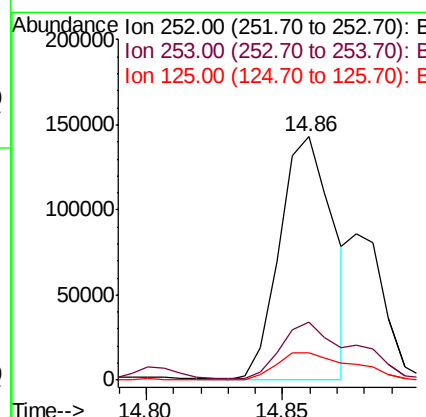
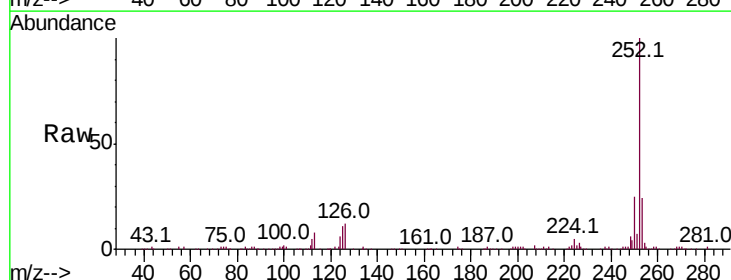
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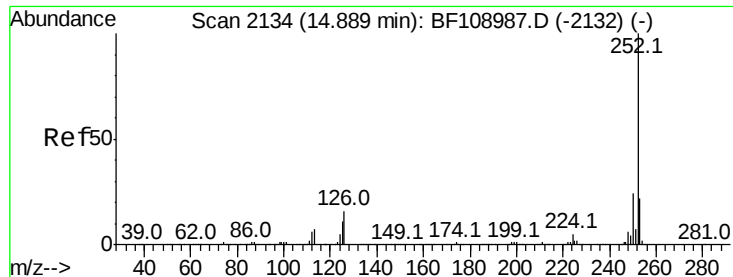
Sohil
9/17/2018 4:21:44 PM



#87
Benzo(b)fluoranthene
Concen: 8.910 ng m
RT: 14.86 min Scan# 2129
Delta R.T. -0.00 min
Lab File: BF108999.D
Acq: 14 Sep 2018 17:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	11.4	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 3.758 ng/mL

RT: 14.88 min Scan# 2132

Delta R.T. -0.01 min

Lab File: BF108999.D

Acq: 14 Sep 2018 17:16

Instrument :

BNA_F

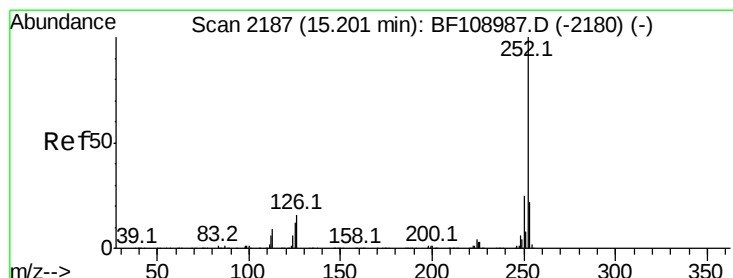
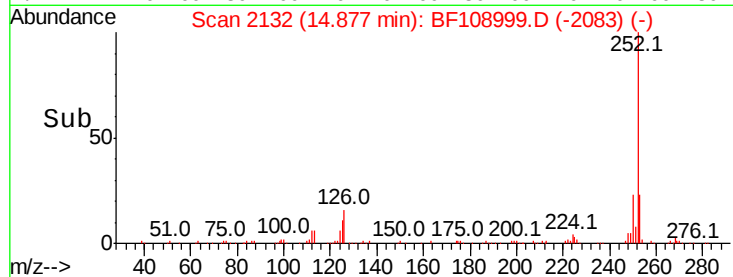
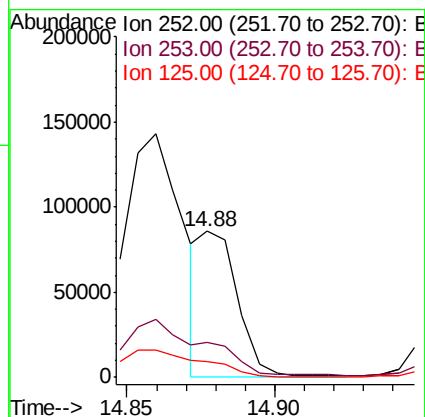
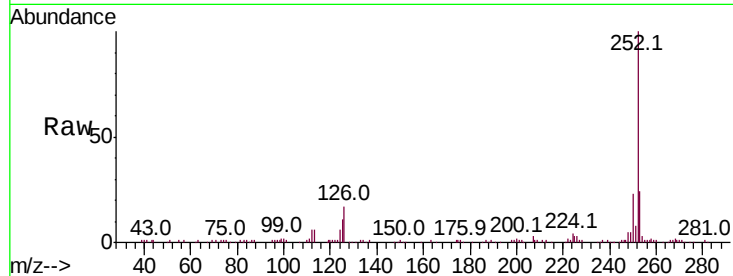
ClientSampleId :

ROLLOFF01-COMP-FILLDL

Tot Ion:	252	Resp:	77287
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.9	26.9
125	10.9	10.2	15.2

Manual Integrations
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Sohil
9/17/2018 4:21:44 PM



#89

Benzo(a)pyrene

Concen: 8.742 ng/mL

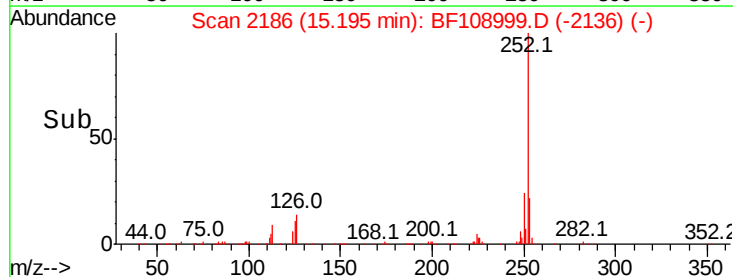
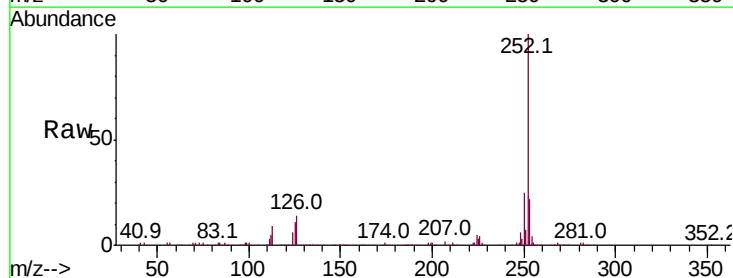
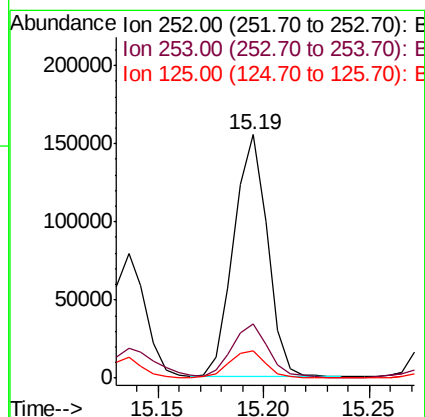
RT: 15.19 min Scan# 2186

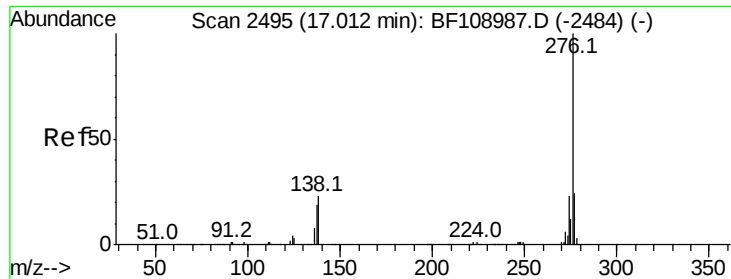
Delta R.T. -0.01 min

Lab File: BF108999.D

Acq: 14 Sep 2018 17:16

Tgt Ion:	252	Resp:	170924
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.1	25.7
125	11.4	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 4.939 ng
 RT: 16.99 min Scan# 2492
 Delta R.T. -0.02 min
 Lab File: BF108999.D
 Acq: 14 Sep 2018 17:16

Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF01-COMP-FILLDL

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	17.9	26.9
138	22.7	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 9/17/2018 4:21:44 PM

