

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091517\
 Data File : BF098565.D
 Acq On : 15 Sep 2017 13:15
 Operator : SJ/JU
 Sample : I5188-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RL-2-0-17.25

Manual Integrations
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Quant Time: Sep 15 13:55:12 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 15 13:23:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	136156	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	562116	20.00	ng	0.00
38) Acenaphthene-d10	9.68	164	242399	20.00	ng	0.00
63) Phenanthrene-d10	11.16	188	394699	20.00	ng	0.00
75) Chrysene-d12	13.80	240	266303	20.00	ng	0.00
86) Perylene-d12	15.21	264	290179	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	794183	86.24	ng	0.00
7) Phenol-d6	6.30	99	1032863	88.34	ng	0.00
23) Nitrobenzene-d5	7.22	82	648322	64.30	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	145832	90.14	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	1096884	76.70	ng	0.00
78) Terphenyl-d14	12.75	244	738752	59.88	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.95	128	70551	2.539	ng	98
49) Dimethylphthalate	9.40	163	141478	7.540	ng	98
51) Acenaphthene	9.71	154	129702	8.857	ng	97
54) Dibenzofuran	9.89	168	94716	4.909	ng	97
57) Fluorene	10.23	166	186499	11.679	ng	99
70) Phenanthrene	11.19	178	1629683	77.885	ng	99
71) Anthracene	11.24	178	440087	20.486	ng	98
72) Carbazole	11.40	167	119902	5.989	ng	98
74) Fluoranthene	12.39	202	2011023	96.007	ng	98
77) Pyrene	12.61	202	1678236	79.887	ng	99
80) Benzo(a)anthracene	13.80	228	883579	56.593	ng	99
82) Chrysene	13.83	228	717133	45.440	ng	97
85) Indeno(1,2,3-cd)pyrene	16.55	276	341118	30.808	ng	# 91
87) Benzo(b)fluoranthene	14.82	252	1011117m	55.417	ng	
88) Benzo(k)fluoranthene	14.84	252	309024m	18.142	ng	
89) Benzo(a)pyrene	15.16	252	688584	42.361	ng	97
90) Dibenzo(a,h)anthracene	16.55	278	101130m	8.553	ng	
91) Benzo(g,h,i)perylene	16.95	276	320378	26.938	ng	95

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

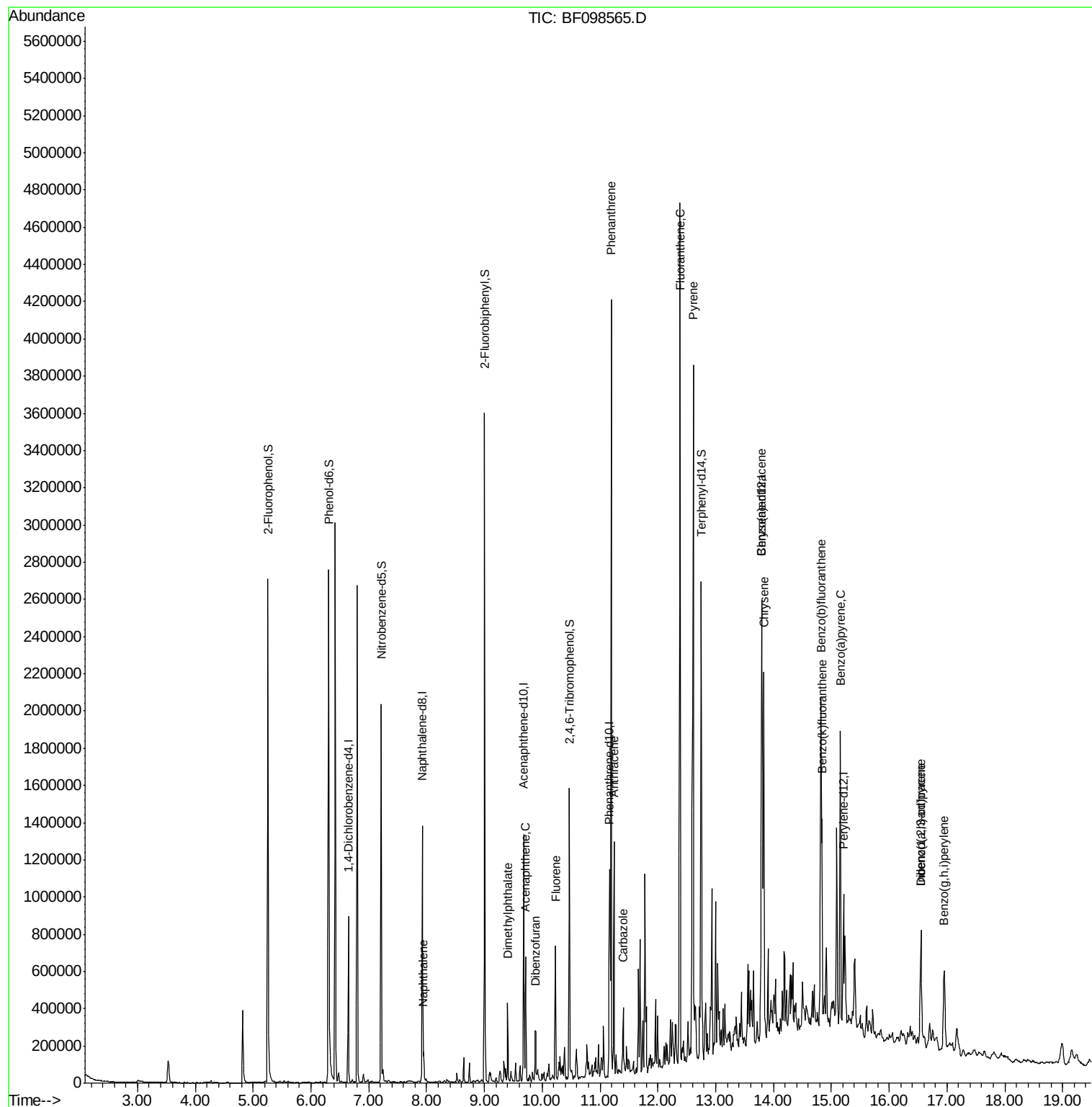
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091517\
Data File : BF098565.D
Acq On : 15 Sep 2017 13:15
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ALS Vial : 9 Sample Multiplier: 1

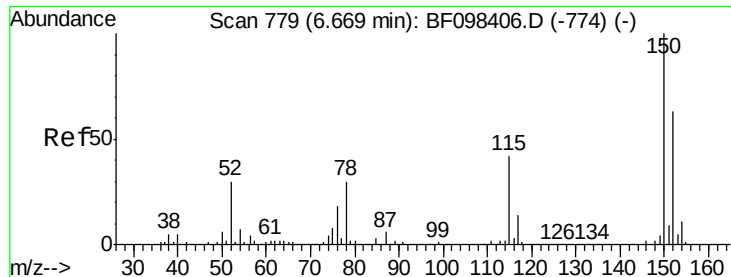
Instrument :
BNA_F
ClientSampleId :
RL-2-0-17.25

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Quant Time: Sep 15 13:55:12 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

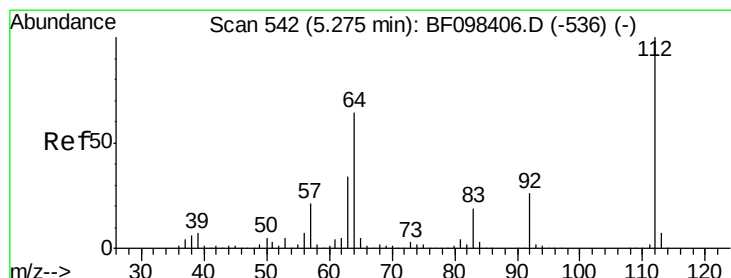
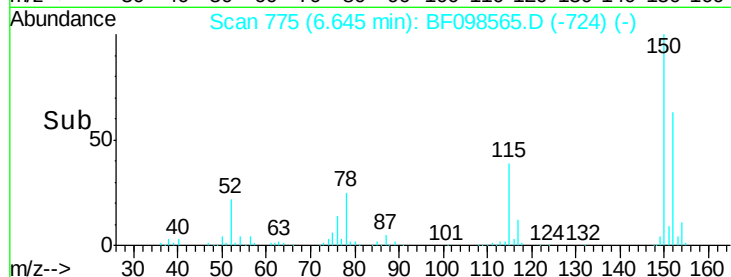
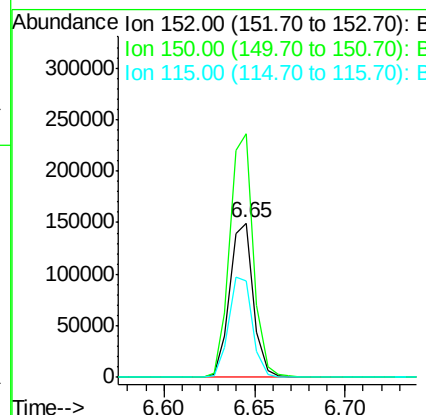
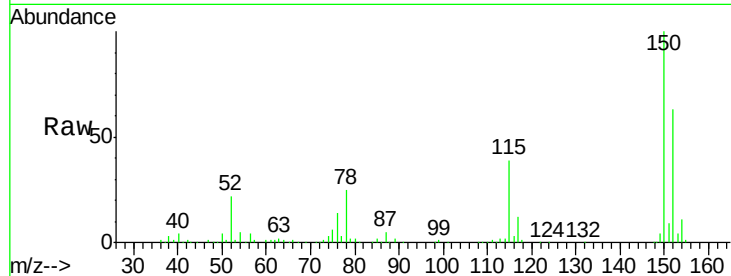
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. 0.00 min
Lab File: BF098565.D
Acq: 15 Sep 2017 13:15

Instrument :
BNA_F
ClientSampleId :
RL-2-0-17.25

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.9	126.2	189.2
115	62.2	52.2	78.2

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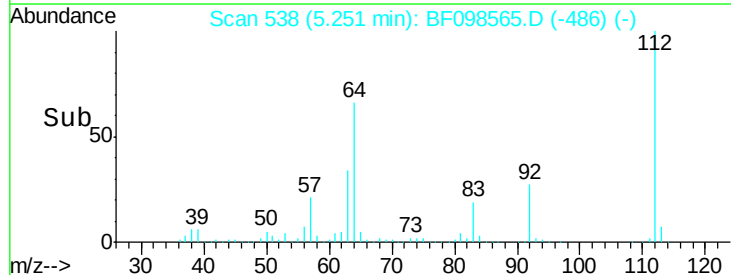
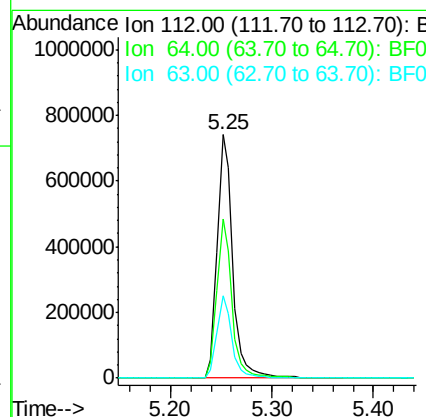
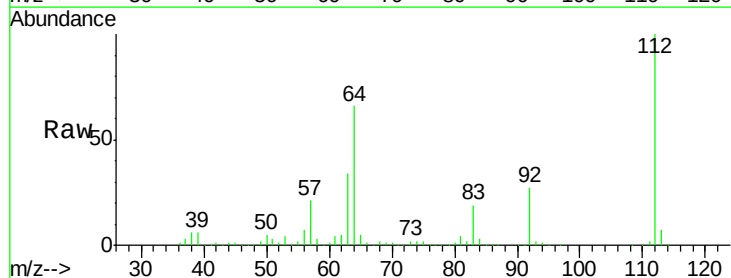
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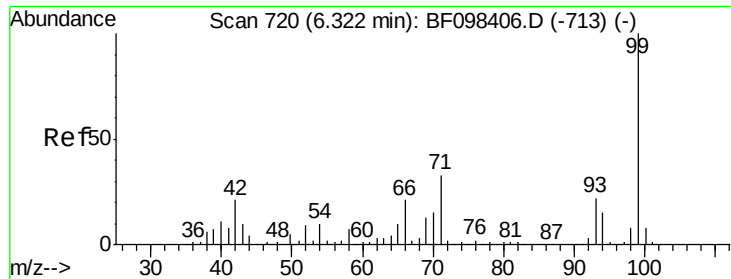


#5

2-Fluorophenol
Concen: 86.241 ng
RT: 5.25 min Scan# 538
Delta R.T. 0.01 min
Lab File: BF098565.D
Acq: 15 Sep 2017 13:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.6	46.0	69.0
63	33.7	23.4	35.0





#7

Phenol-d6

Concen: 88.338 ng

RT: 6.30 min Scan# 717

Delta R.T. 0.01 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

Instrument :

BNA_F

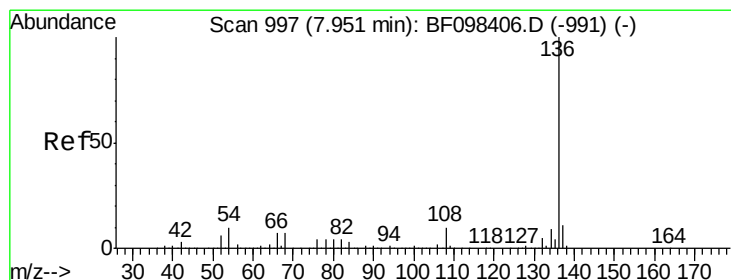
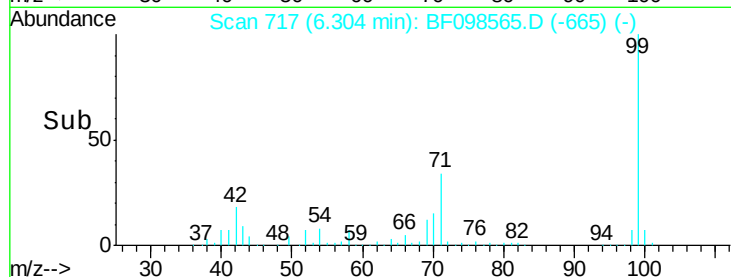
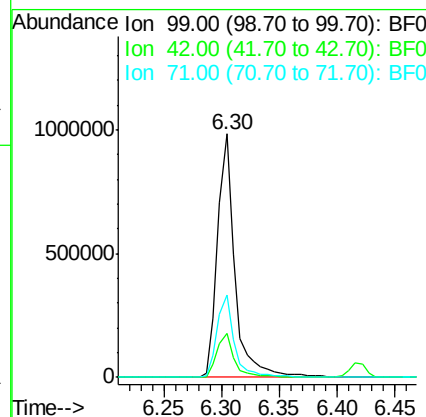
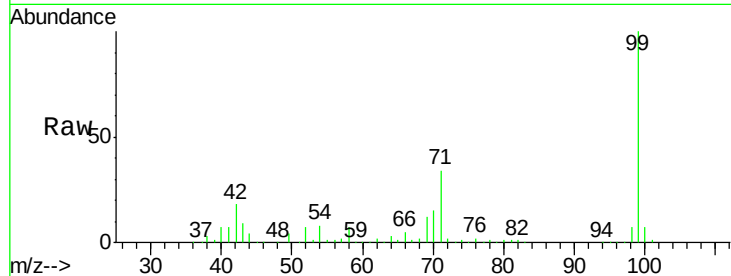
ClientSampled :

RL-2-0-17.25

Tgt Ion:	99	Resp:	1032863
Ion	Ratio	Lower	Upper
99	100		
42	18.3	13.5	20.3
71	34.0	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

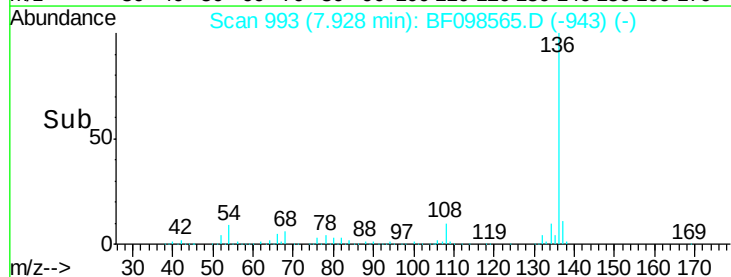
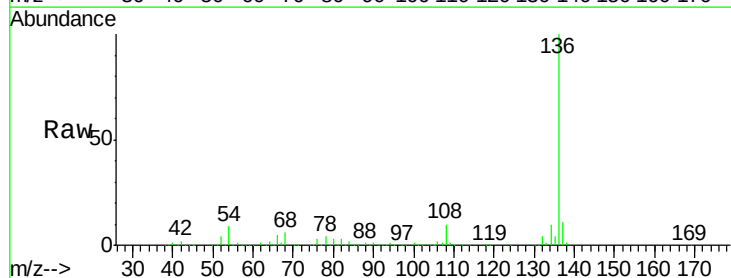
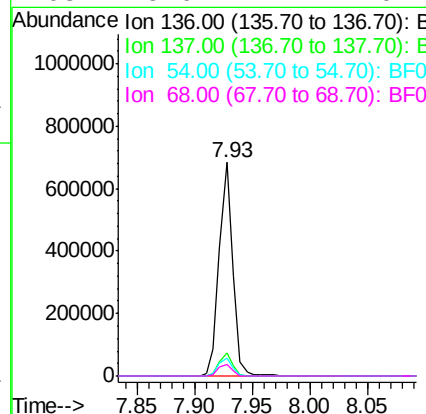
RT: 7.93 min Scan# 993

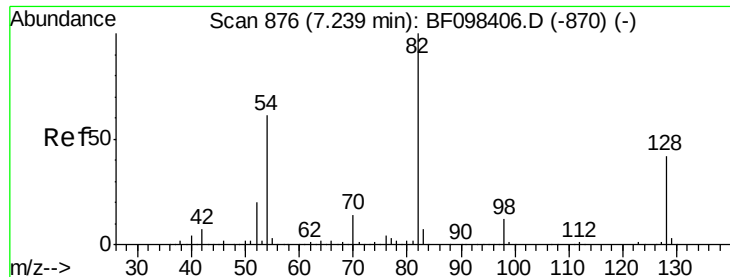
Delta R.T. -0.01 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

Tgt Ion:	136	Resp:	562116
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	8.7	4.9	7.3#
68	5.6	4.1	6.1





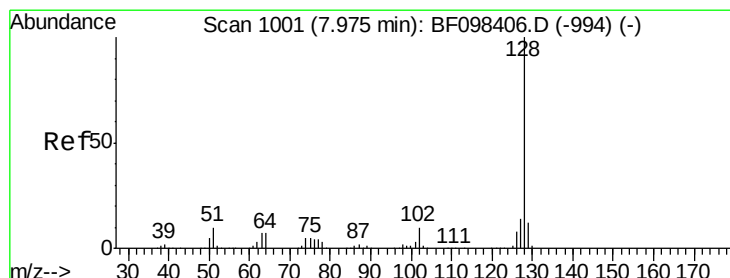
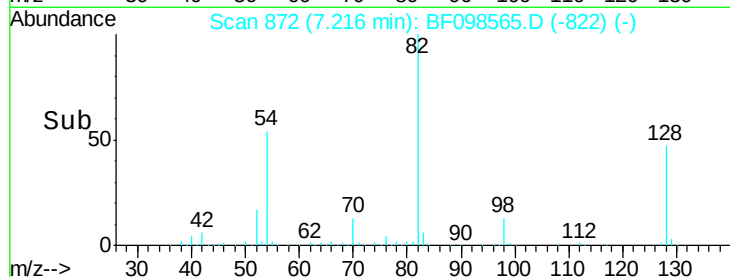
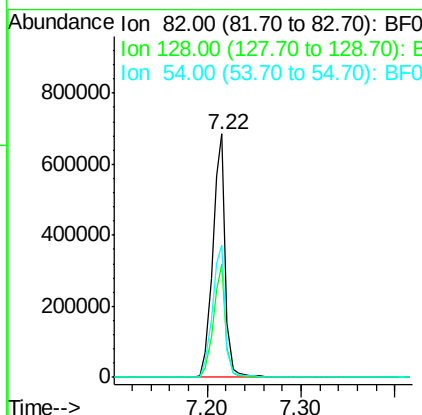
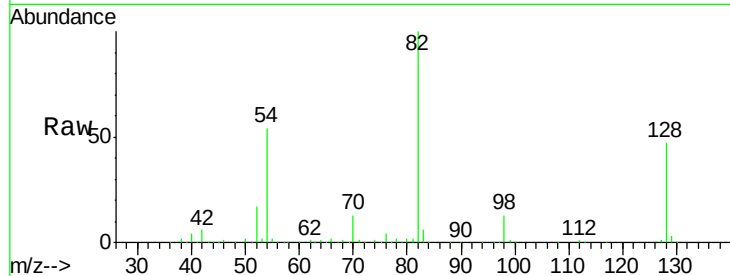
#23
 Nitrobenzene-d5
 Concen: 64.299 ng
 RT: 7.22 min Scan# 872
 Delta R.T. -0.01 min
 Lab File: BF098565.D
 Acq: 15 Sep 2017 13:15

Instrument :
 BNA_F
 ClientSampleId :
 RL-2-0-17.25

Tgt Ion:	82	Resp:	648322
Ion Ratio	Lower	Upper	
82	100		
128	46.6	34.0	51.0
54	54.1	42.2	63.2

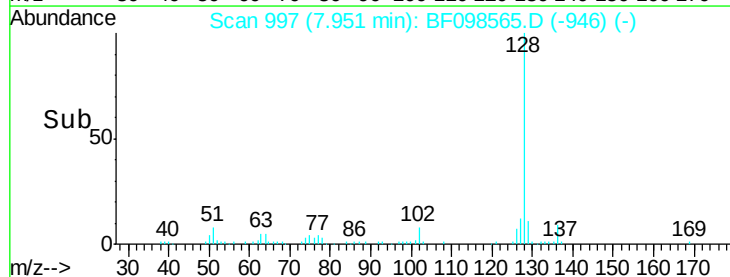
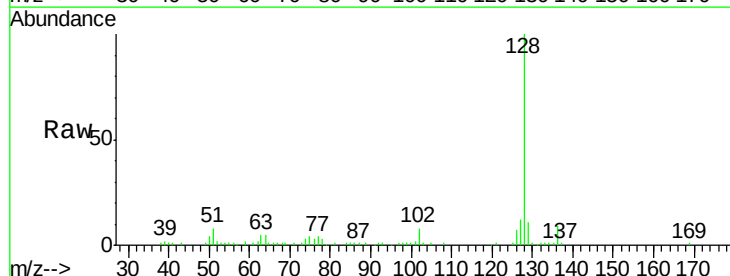
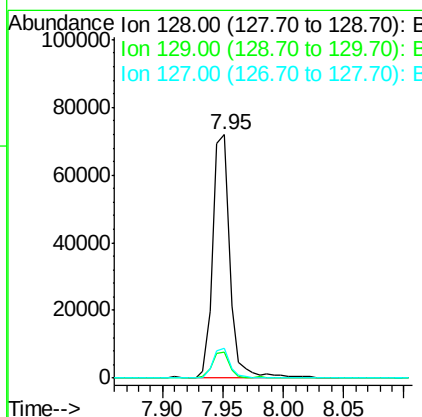
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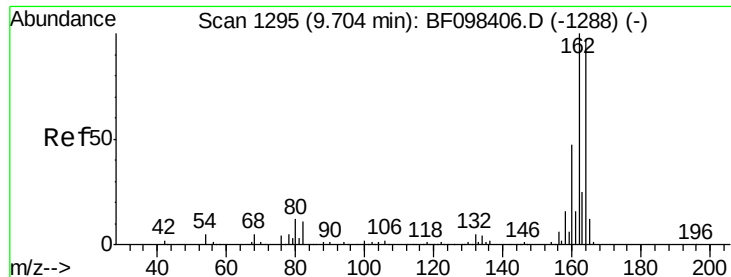
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#31
 Naphthalene
 Concen: 2.539 ng
 RT: 7.95 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: BF098565.D
 Acq: 15 Sep 2017 13:15

Tgt Ion:	128	Resp:	70551
Ion Ratio	Lower	Upper	
128	100		
129	10.9	9.0	13.6
127	12.4	10.8	16.2





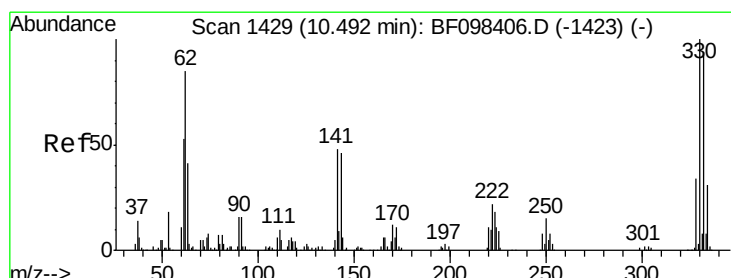
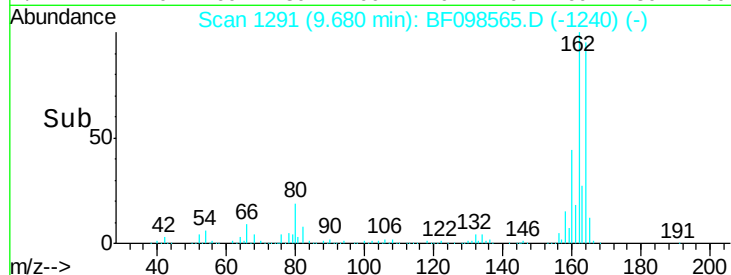
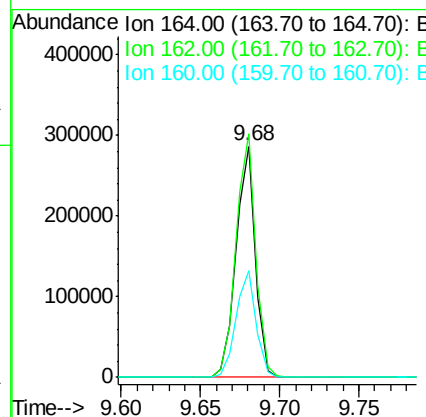
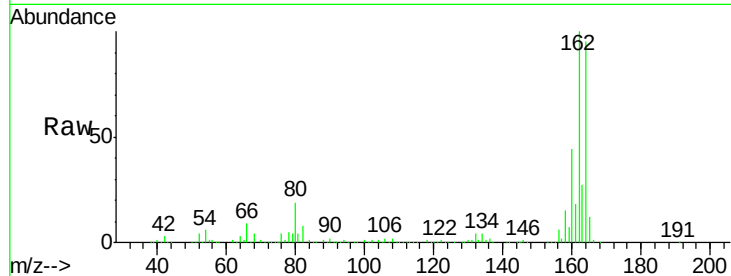
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.68 min Scan# 1291
Delta R.T. 0.00 min
Lab File: BF098565.D
Acq: 15 Sep 2017 13:15

Instrument :
BNA_F
ClientSampleId :
RL-2-0-17.25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	242399		
162	105.4	82.6	123.8	
160	46.1	36.2	54.2	

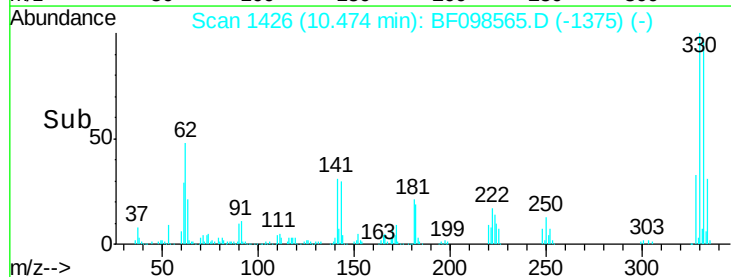
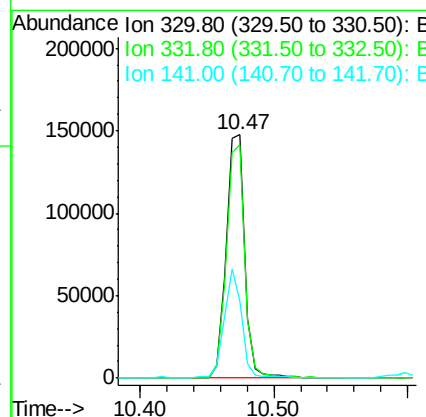
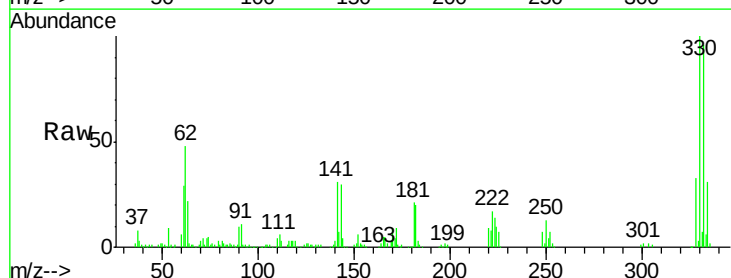
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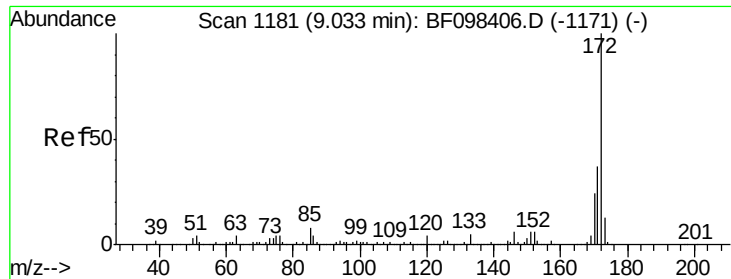
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#41
2,4,6-Tribromophenol
Concen: 90.141 ng
RT: 10.47 min Scan# 1426
Delta R.T. 0.00 min
Lab File: BF098565.D
Acq: 15 Sep 2017 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	145832		
332	95.1	76.6	115.0	
141	41.9	31.4	47.2	





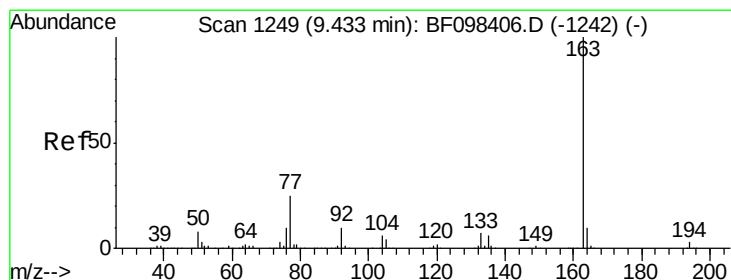
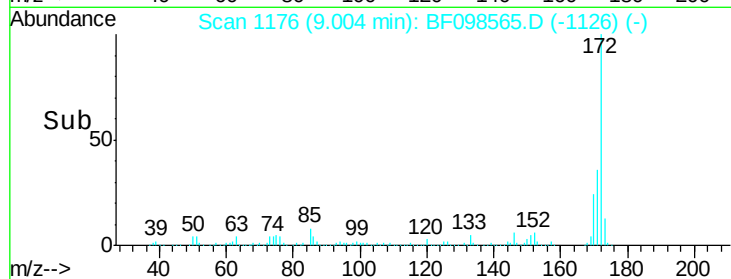
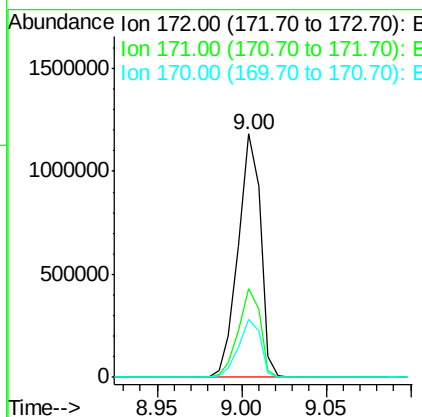
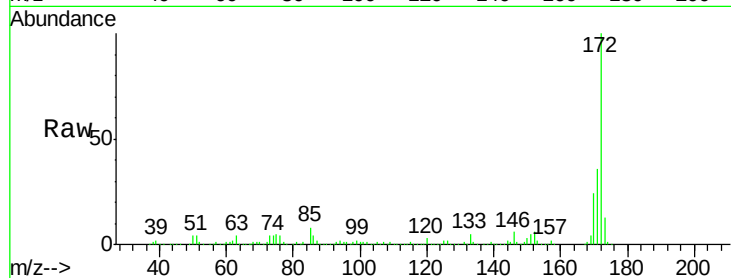
#44
2-Fluorobiphenyl
Concen: 76.697 ng
RT: 9.00 min Scan# 1176
Delta R.T. -0.01 min
Lab File: BF098565.D
Acq: 15 Sep 2017 13:15

Instrument :
BNA_F
ClientSampleId :
RL-2-0-17.25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.6	44.4
170	23.9	19.8	29.8

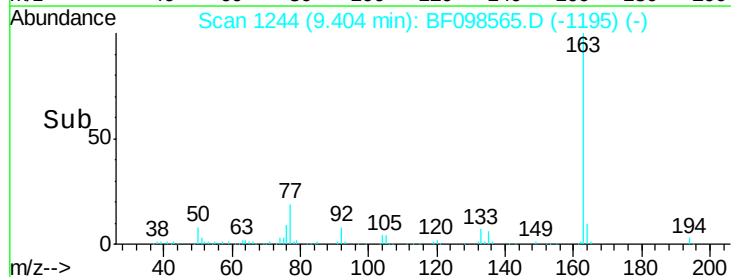
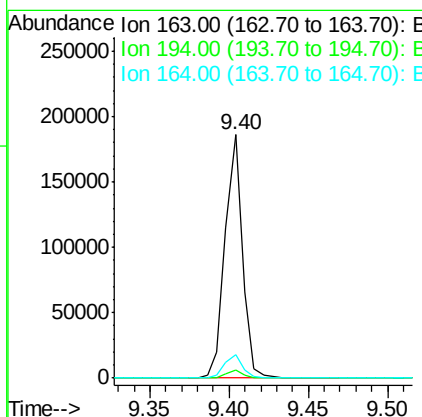
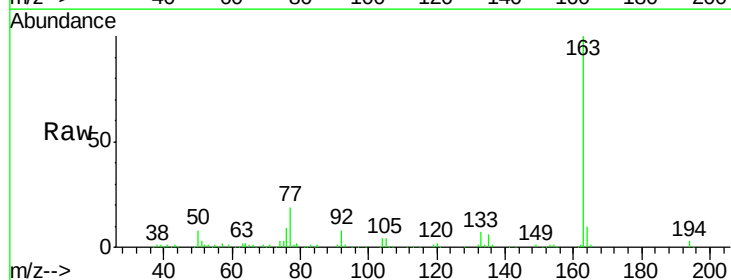
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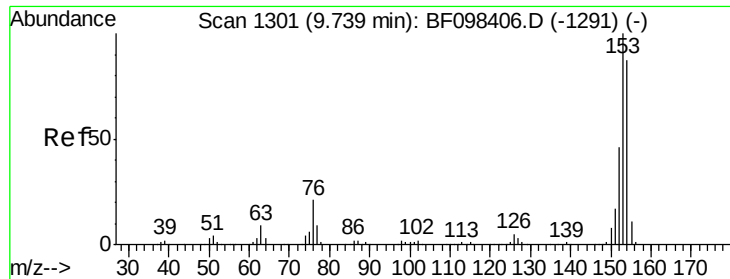
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#49
Dimethylphthalate
Concen: 7.540 ng
RT: 9.40 min Scan# 1244
Delta R.T. -0.01 min
Lab File: BF098565.D
Acq: 15 Sep 2017 13:15

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	9.5	8.4	12.6





#51

Acenaphthene

Concen: 8.857 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

Instrument :

BNA_F

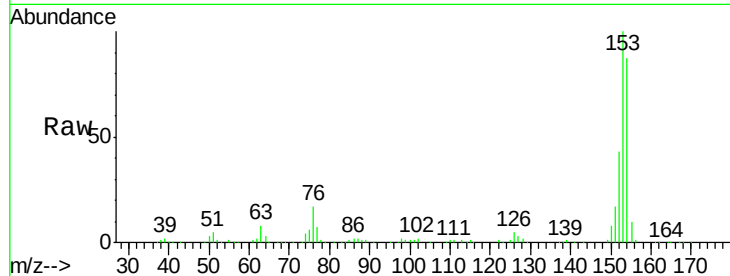
ClientSampleId :

RL-2-0-17.25

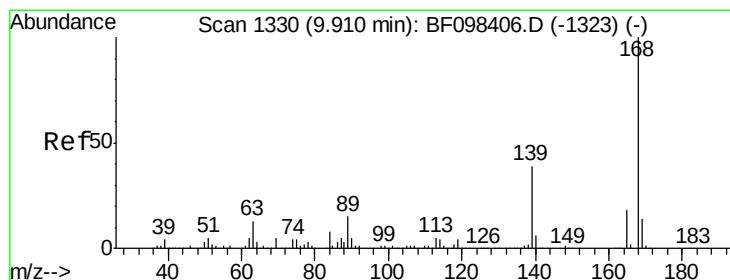
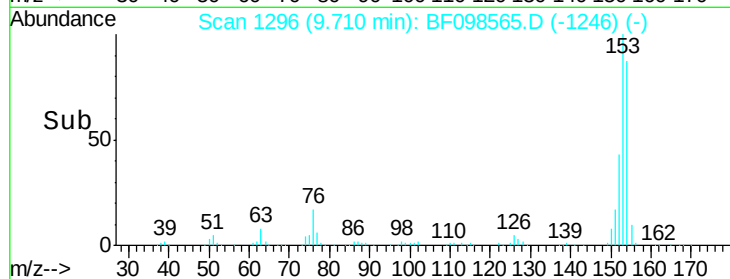
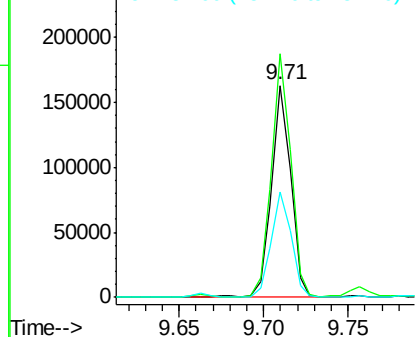
Tgt Ion:	154	Resp:	129702
Ion Ratio	Lower	Upper	
154	100		
153	114.8	90.5	135.7
152	49.9	43.6	65.4

Manual Integrations
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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: 4.909 ng

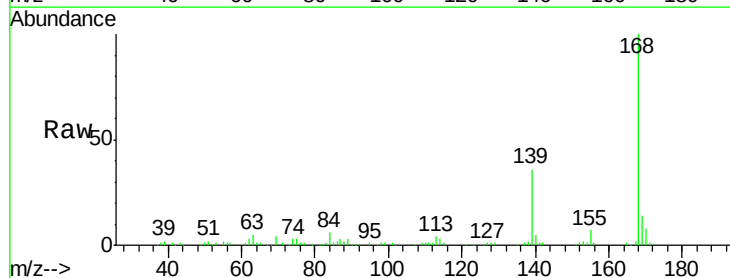
RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

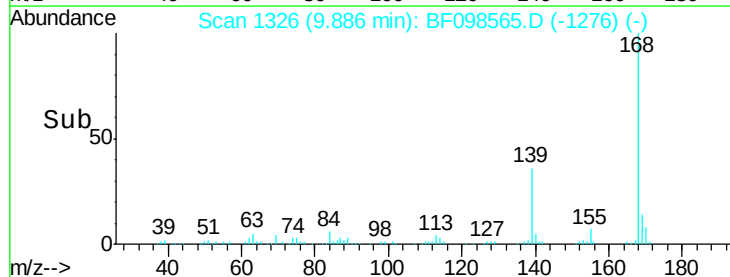
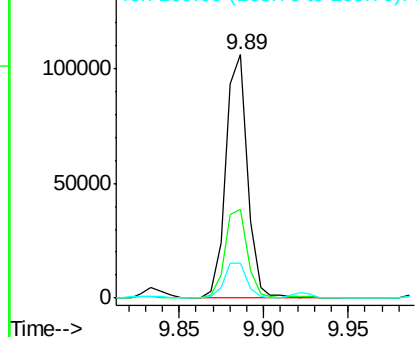
Lab File: BF098565.D

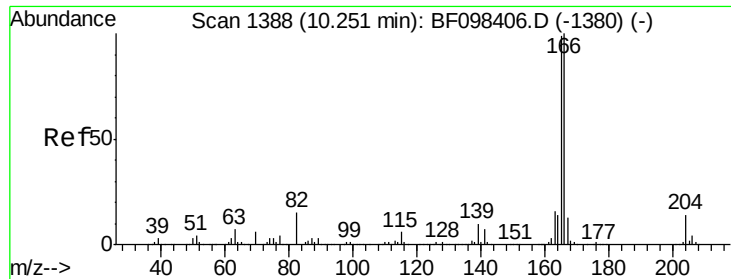
Acq: 15 Sep 2017 13:15

Tgt Ion:	168	Resp:	94716
Ion Ratio	Lower	Upper	
168	100		
139	36.3	30.6	45.8
169	14.4	10.8	16.2



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





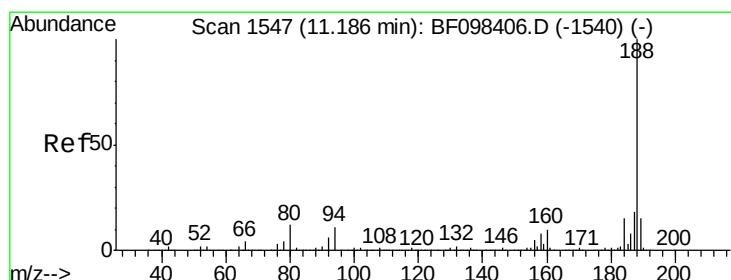
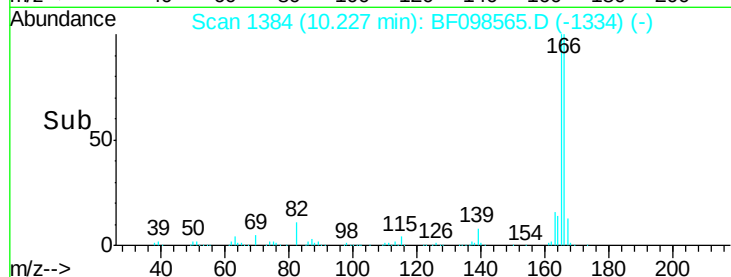
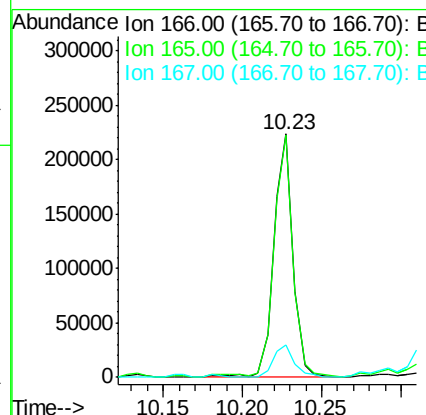
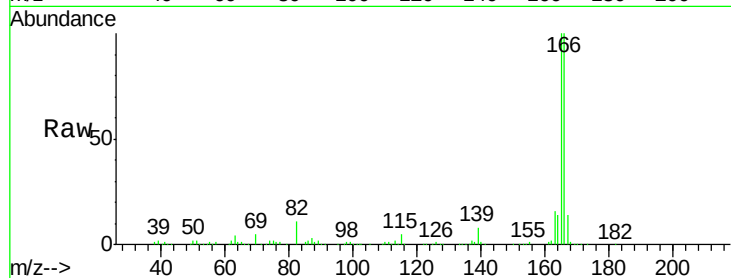
#57
Fluorene
 Concen: 11.679 ng
 RT: 10.23 min Scan# 1384
 Delta R.T. -0.01 min
 Lab File: BF098565.D
 Acq: 15 Sep 2017 13:15

Instrument :
 BNA_F
 ClientSampleId :
 RL-2-0-17.25

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	186499		
165	99.7	78.8	118.2	
167	13.6	10.6	16.0	

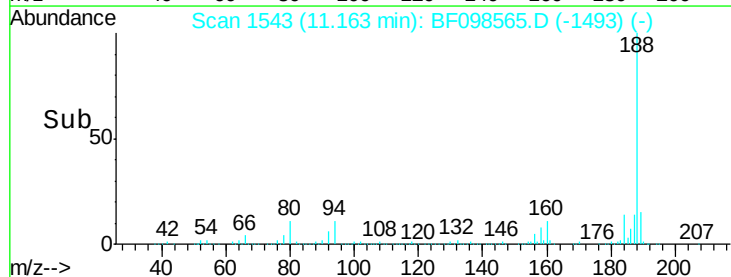
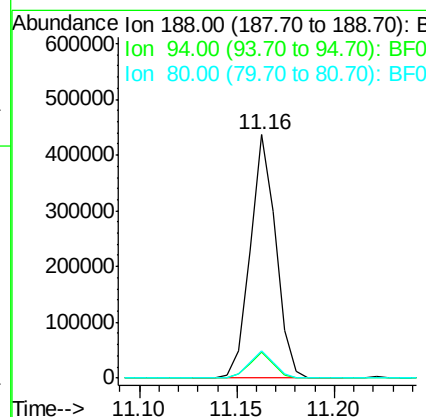
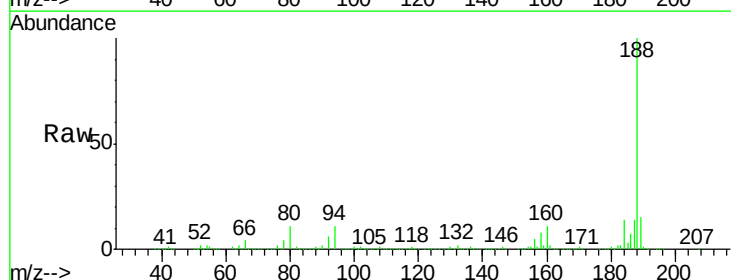
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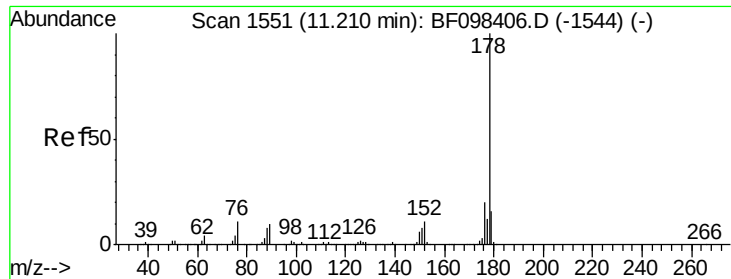
Sohil
 9/18/2017 3:33:30 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.16 min Scan# 1543
 Delta R.T. -0.01 min
 Lab File: BF098565.D
 Acq: 15 Sep 2017 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	394699		
94	10.7	9.4	14.2	
80	11.3	10.2	15.2	





#70

Phenanthrene

Concen: 77.885 ng

RT: 11.19 min Scan# 1548

Delta R.T. 0.00 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

Instrument :

BNA_F

ClientSampleId :

RL-2-0-17.25

Tgt Ion:178 Resp: 1629683

Ion Ratio Lower Upper

178 100

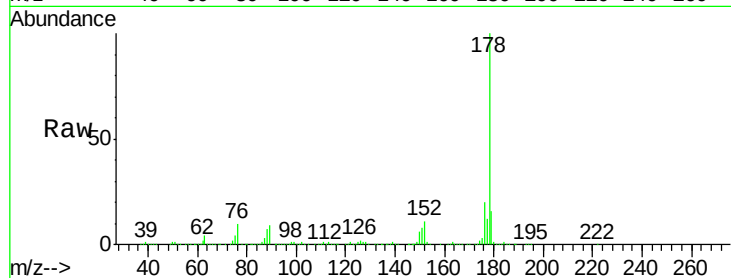
176 19.5 16.2 24.4

179 15.8 12.6 19.0

Manual Integrations
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Sohil

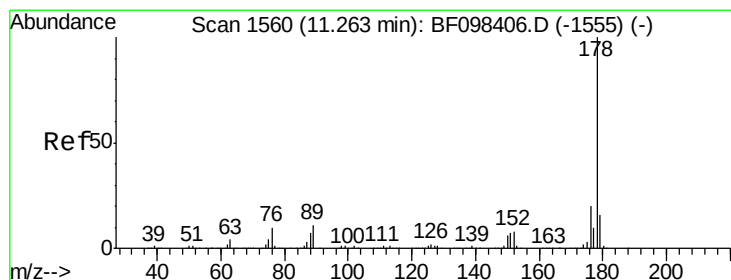
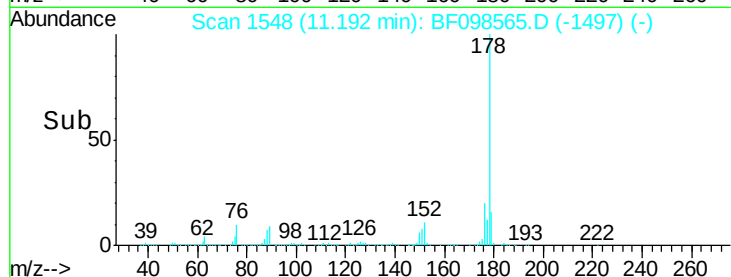
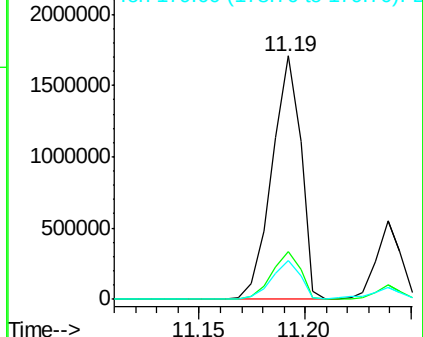
9/18/2017 3:33:30 PM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 20.486 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

Tgt Ion:178 Resp: 440087

Ion Ratio Lower Upper

178 100

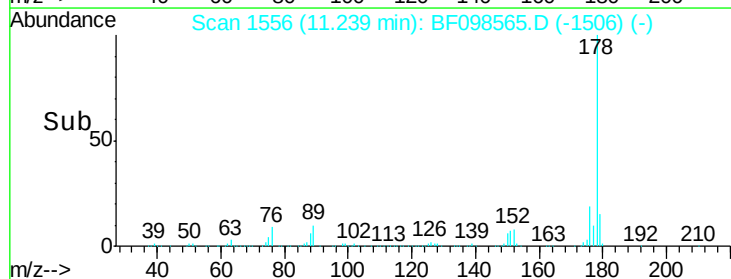
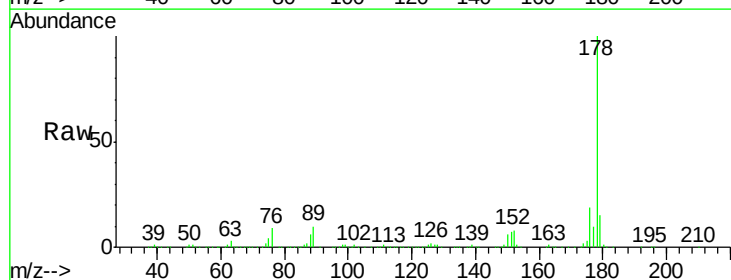
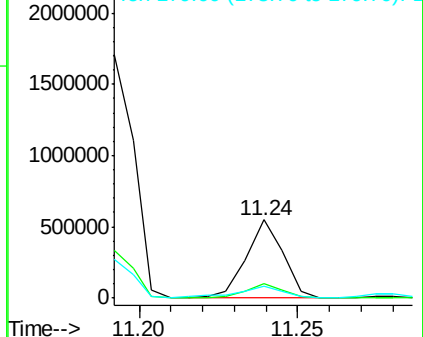
176 18.6 15.8 23.8

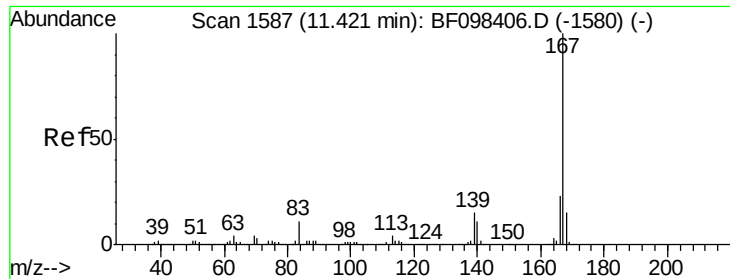
179 15.2 12.7 19.1

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 5.989 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

Instrument :

BNA_F

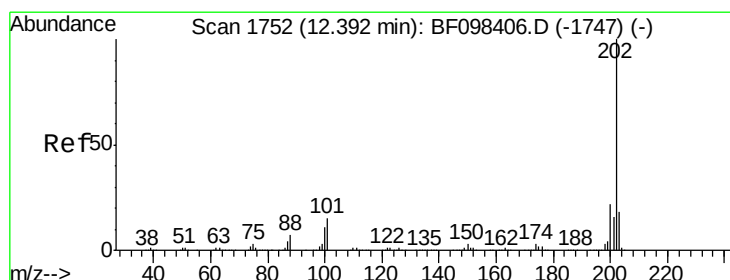
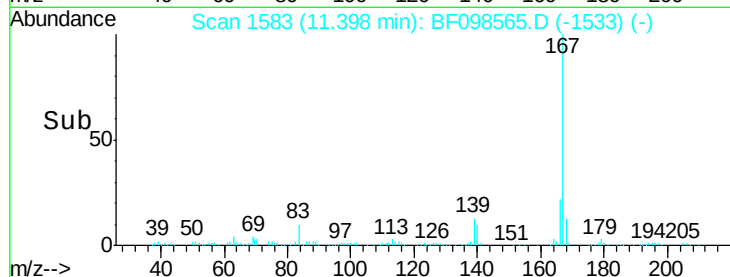
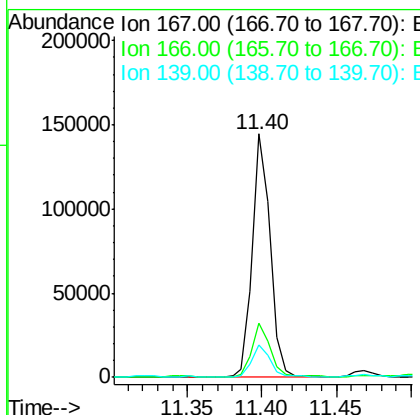
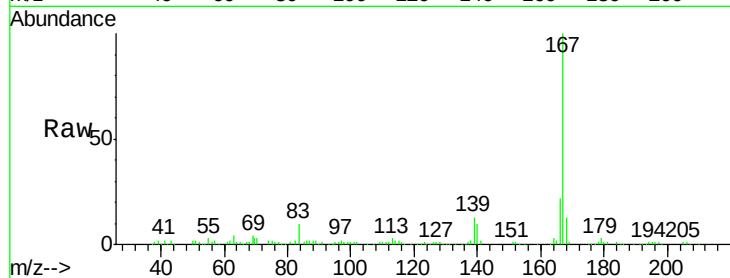
ClientSampleId :

RL-2-0-17.25

Tgt Ion:	167	Resp:	119902
Ion Ratio	Lower	Upper	
167	100		
166	22.0	18.1	27.1
139	13.2	11.7	17.5

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#74

Fluoranthene

Concen: 96.007 ng

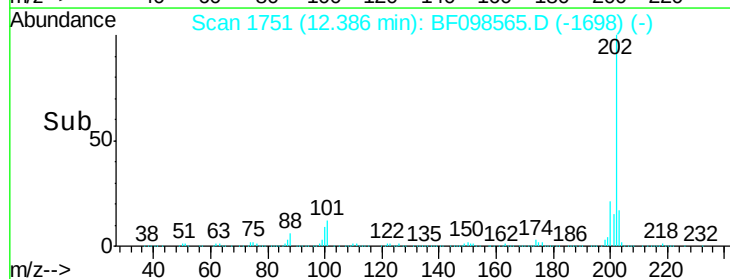
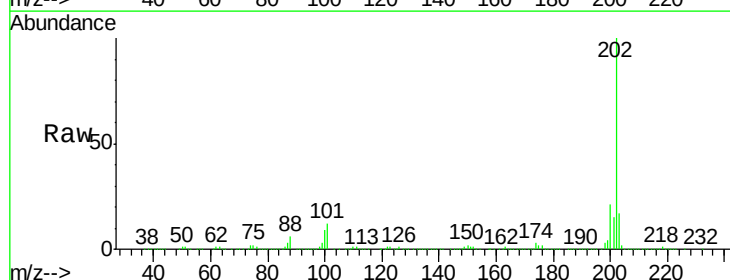
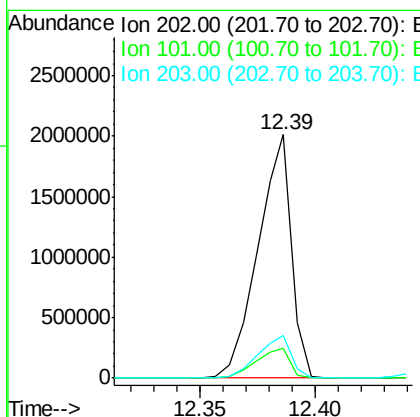
RT: 12.39 min Scan# 1751

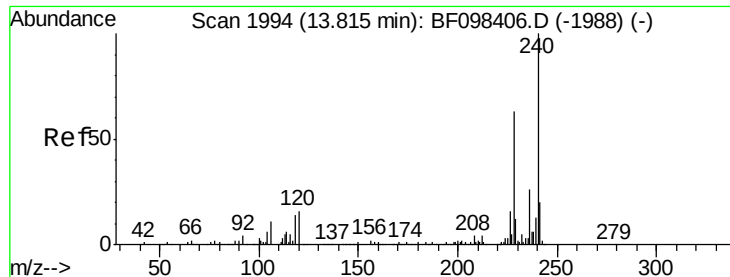
Delta R.T. 0.01 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

Tgt Ion:	202	Resp:	2011023
Ion Ratio	Lower	Upper	
202	100		
101	12.4	0.0	33.2
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.80 min Scan# 1992

Delta R.T. 0.00 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

Instrument :

BNA_F

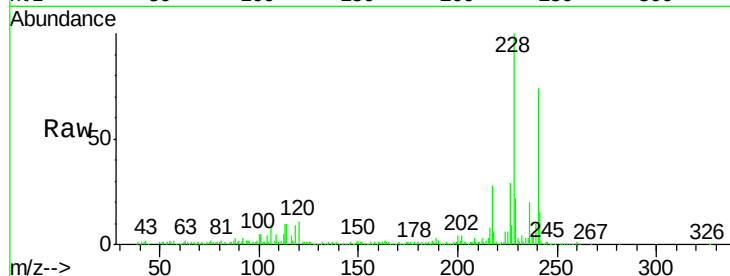
ClientSampleId :

RL-2-0-17.25

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	266303		
120	15.3	5.8	8.8#	
236	27.2	20.5	30.7	

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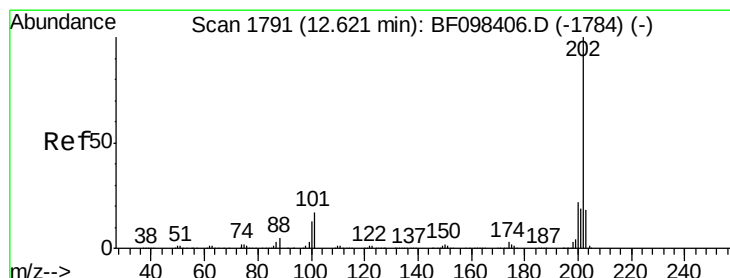
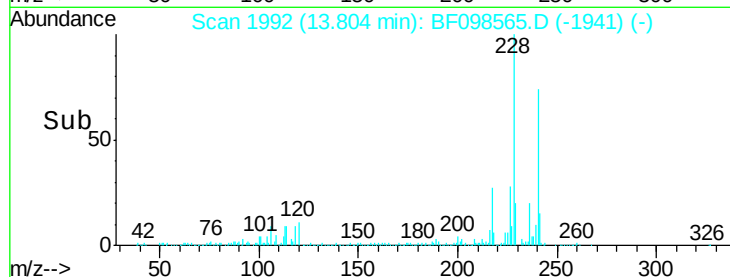


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

Time--> 13.70 13.80 13.90



#77

Pyrene

Concen: 79.887 ng

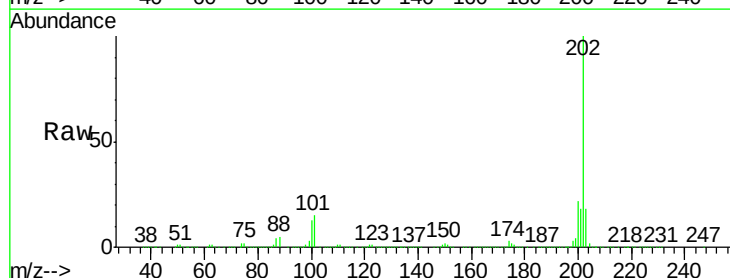
RT: 12.61 min Scan# 1789

Delta R.T. 0.01 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1678236		
200	21.5	17.6	26.4	
203	17.9	14.4	21.6	

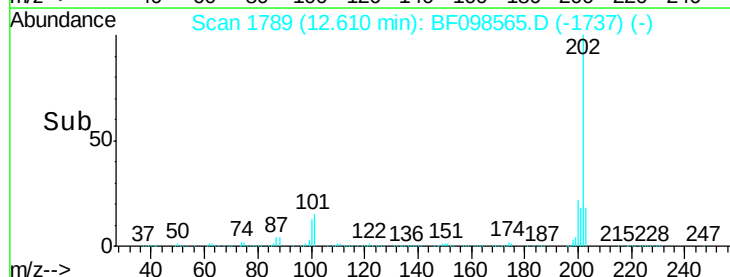


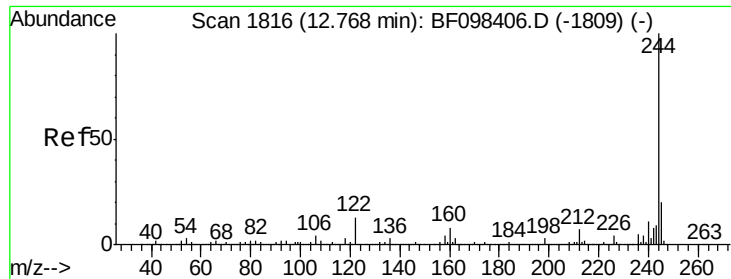
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

Time--> 12.55 12.60 12.65





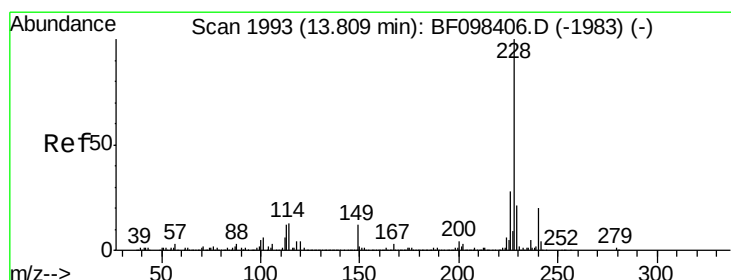
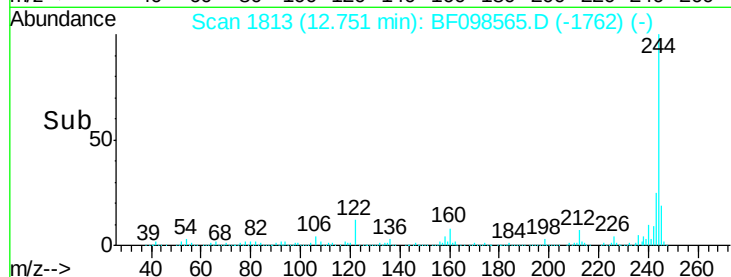
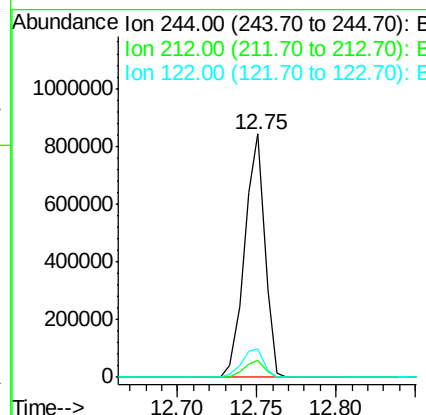
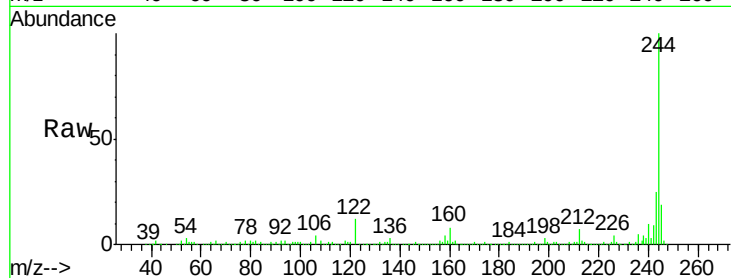
#78
 Terphenyl-d14
 Concen: 59.878 ng
 RT: 12.75 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: BF098565.D
 Acq: 15 Sep 2017 13:15

Instrument :
 BNA_F
 ClientSampleId :
 RL-2-0-17.25

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	738752		
212	7.0	6.0	9.0	
122	11.9	10.3	15.5	

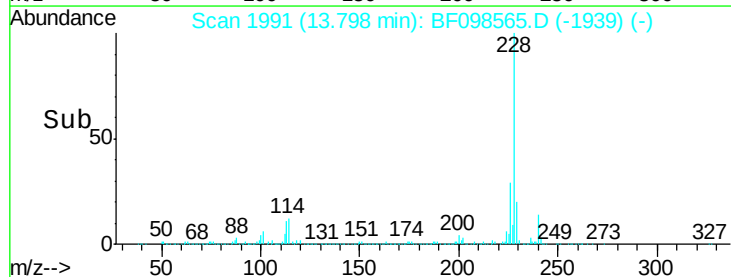
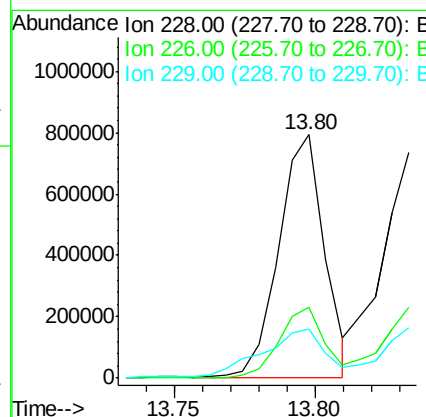
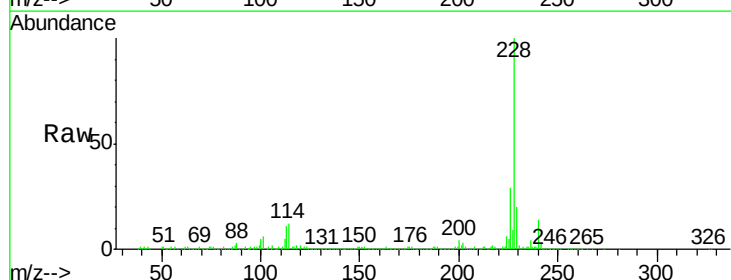
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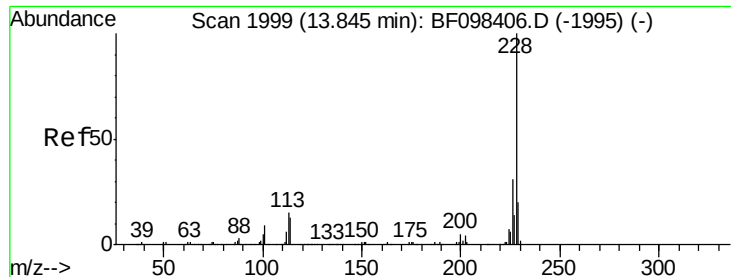
Sohil
 9/18/2017 3:33:30 PM



#80
 Benzo(a)anthracene
 Concen: 56.593 ng
 RT: 13.80 min Scan# 1991
 Delta R.T. 0.01 min
 Lab File: BF098565.D
 Acq: 15 Sep 2017 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	883579		
226	28.9	22.6	33.8	
229	20.3	16.3	24.5	





#82

Chrysene

Concen: 45.440 ng

RT: 13.83 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

Instrument :

BNA_F

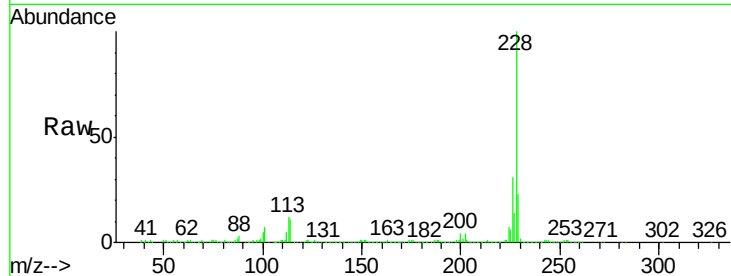
ClientSampled :

RL-2-0-17.25

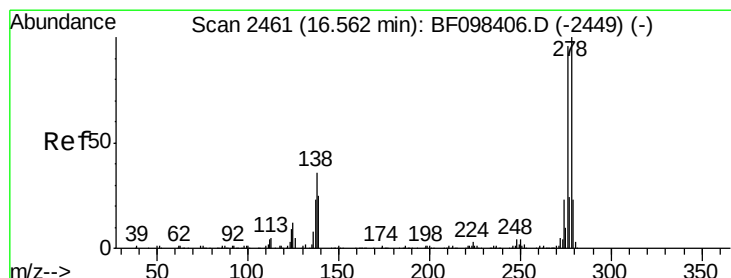
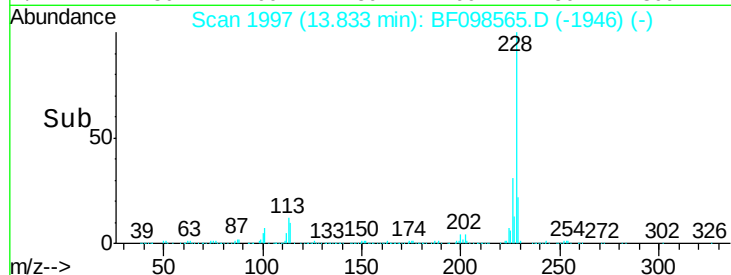
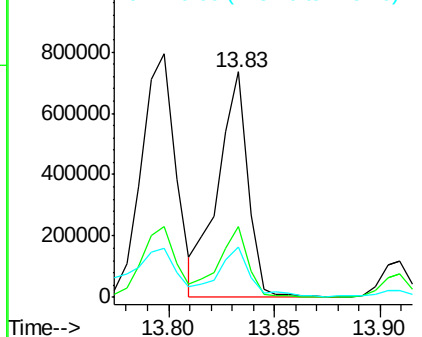
Tgt Ion:	228	Resp:	717133
Ion Ratio	Lower	Upper	
228	100		
226	31.2	24.9	37.3
229	22.6	15.8	23.6

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 30.808 ng

RT: 16.55 min Scan# 2459

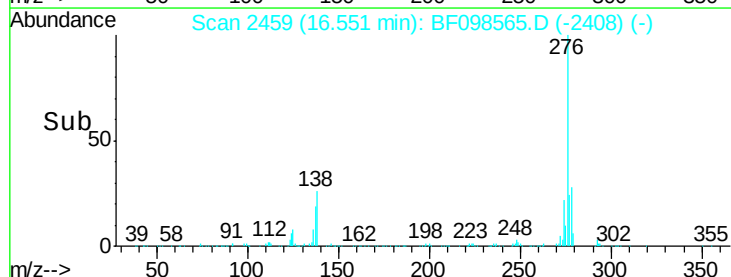
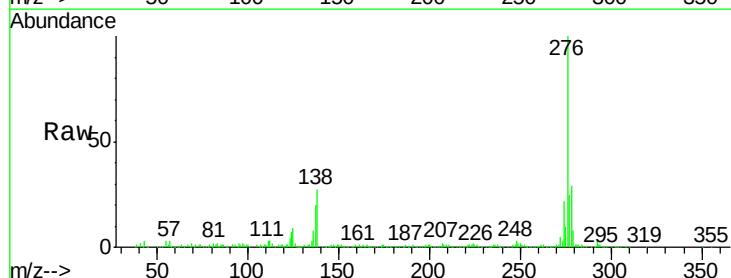
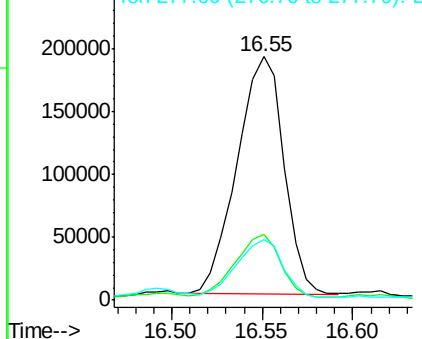
Delta R.T. 0.00 min

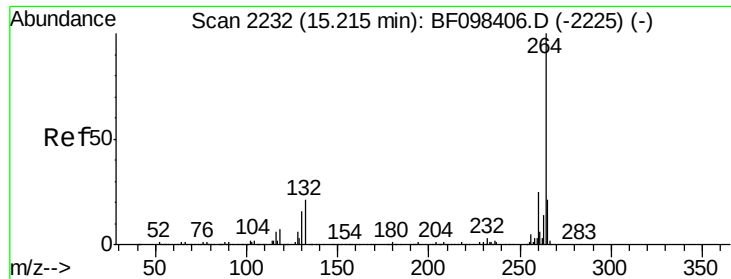
Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

Tgt Ion:	276	Resp:	341118
Ion Ratio	Lower	Upper	
276	100		
138	26.2	27.8	41.6#
277	24.2	20.2	30.4

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





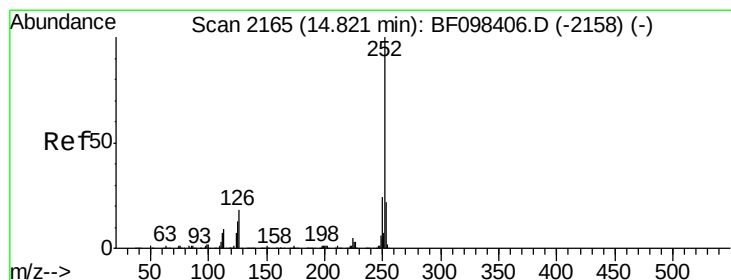
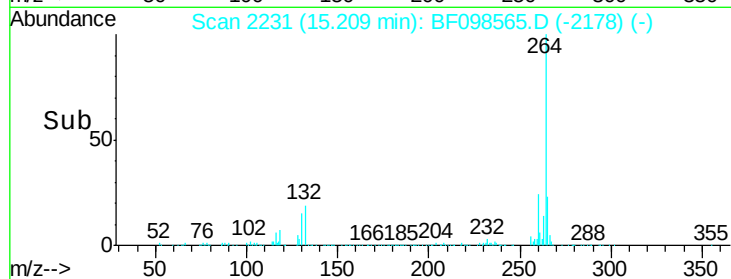
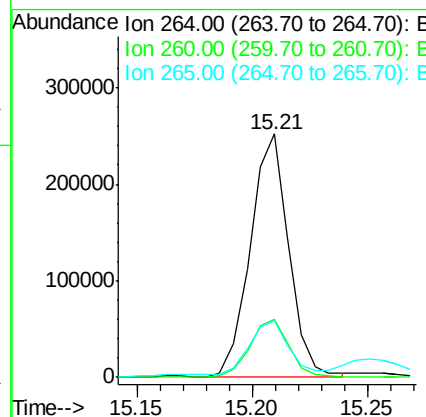
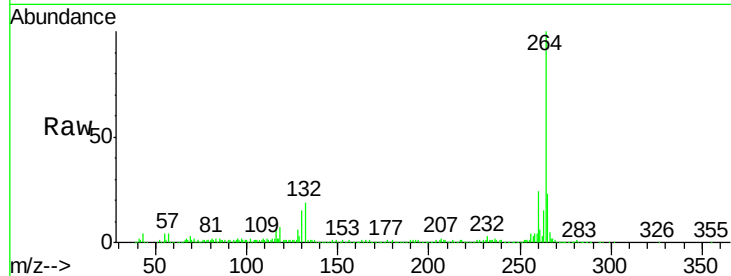
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.21 min Scan# 2231
Delta R.T. 0.01 min
Lab File: BF098565.D
Acq: 15 Sep 2017 13:15

Instrument :
BNA_F
ClientSampleId :
RL-2-0-17.25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	23.2	17.2	25.8

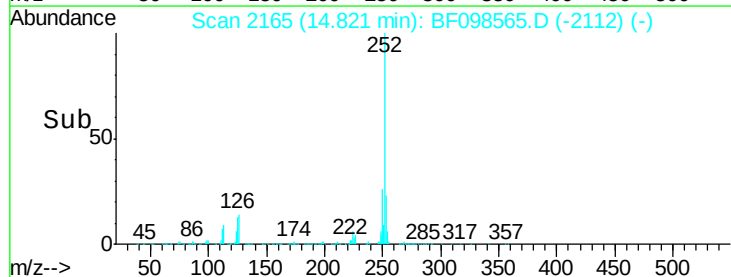
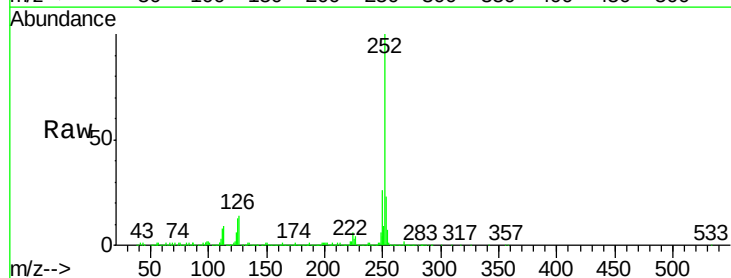
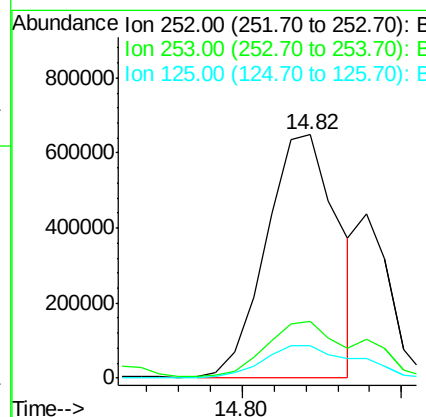
Manual Integrations
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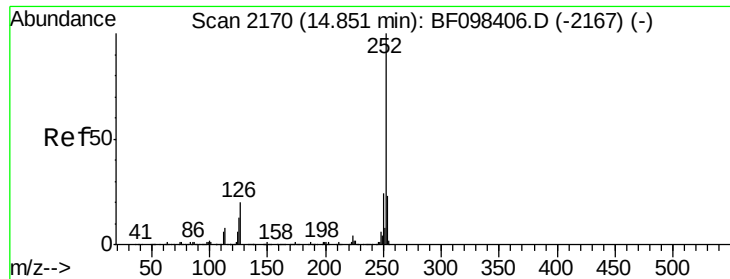
Sohil
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#87
Benzo(b)fluoranthene
Concen: 55.417 ng m
RT: 14.82 min Scan# 2165
Delta R.T. 0.01 min
Lab File: BF098565.D
Acq: 15 Sep 2017 13:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	13.1	9.8	14.8





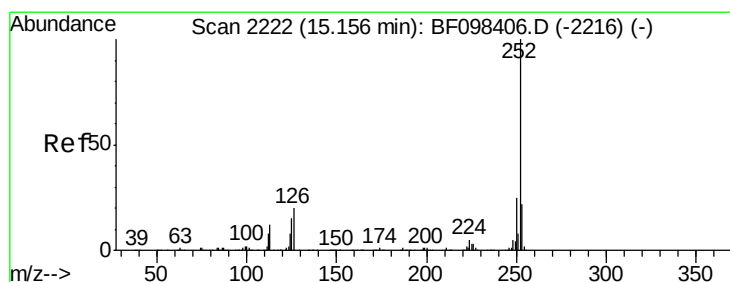
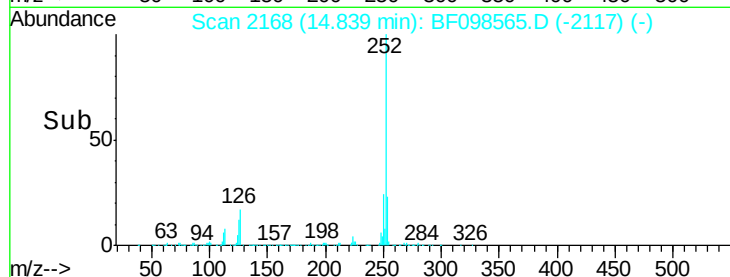
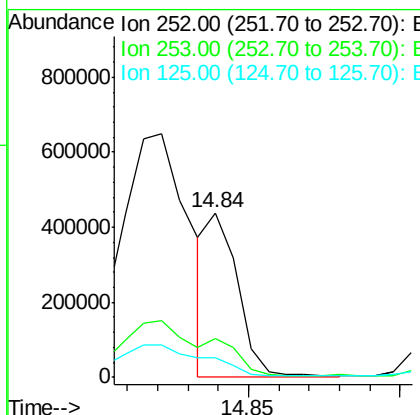
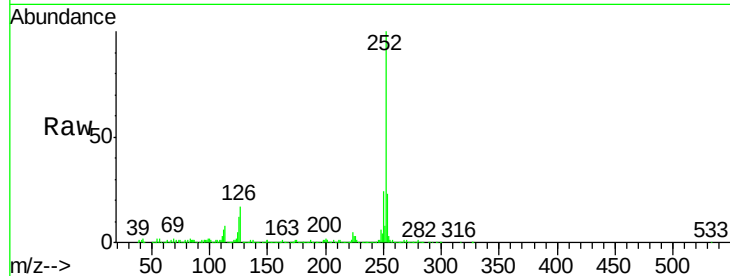
#88
Benzo(k)fluoranthene
Concen: 18.142 ng m
RT: 14.84 min Scan# 2168
Delta R.T. 0.00 min
Lab File: BF098565.D
Acq: 15 Sep 2017 13:15

Instrument :
BNA_F
ClientSampleId :
RL-2-0-17.25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.4	27.6
125	12.2	13.1	19.7

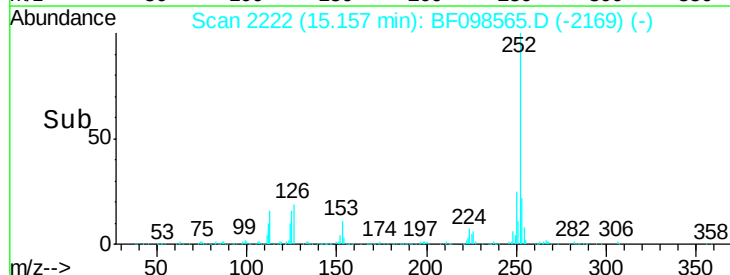
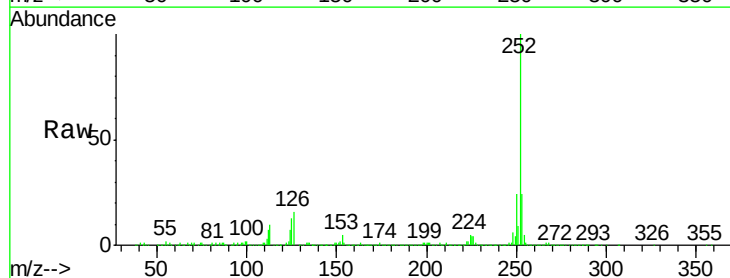
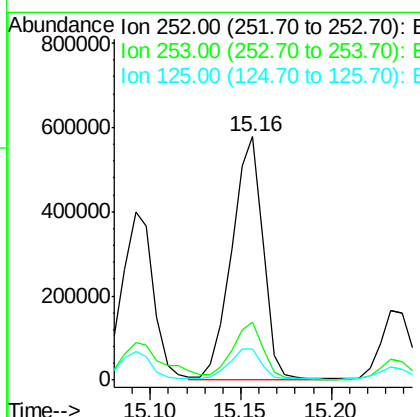
Manual Integrations
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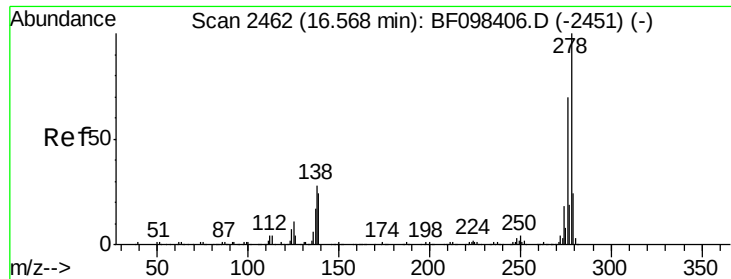
Sohil
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#89
Benzo(a)pyrene
Concen: 42.361 ng
RT: 15.16 min Scan# 2222
Delta R.T. 0.01 min
Lab File: BF098565.D
Acq: 15 Sep 2017 13:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	12.9	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 8.553 ng m

RT: 16.55 min Scan# 2459

Delta R.T. -0.01 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

Instrument :

BNA_F

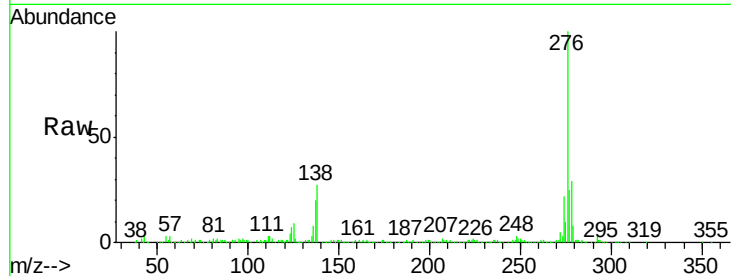
ClientSampleId :

RL-2-0-17.25

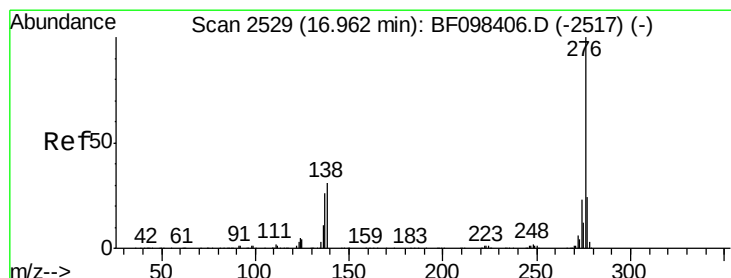
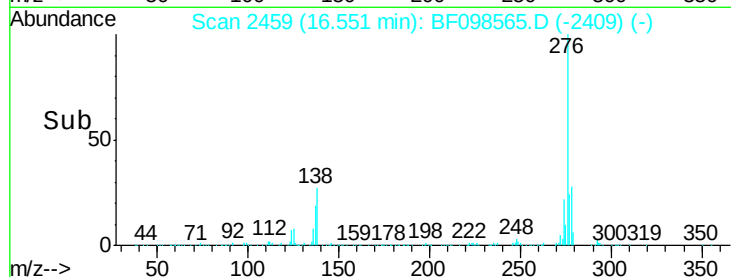
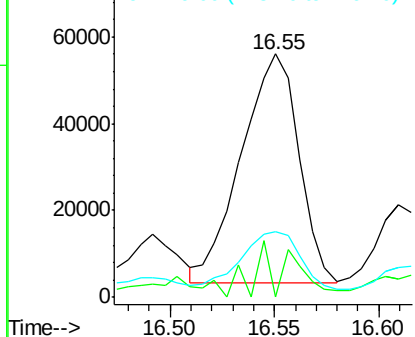
Tgt Ion:	278	Resp:	101130
Ion Ratio	Lower	Upper	
278	100		
139	0.0	16.6	24.8#
279	27.2	19.3	28.9

Manual Integrations
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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 26.938 ng

RT: 16.95 min Scan# 2527

Delta R.T. 0.01 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

Tgt Ion:	276	Resp:	320378
Ion Ratio	Lower	Upper	
276	100		
277	23.9	18.6	28.0
138	27.1	25.4	38.0

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

