

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091217\
 Data File : BF098467.D
 Acq On : 12 Sep 2017 23:06
 Operator : SJ/JU
 Sample : I5140-11
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RL-10-10.5-21

Manual Integrations
 APPROVED

Sohil
 9/13/2017 5:00:20 PM

Quant Time: Sep 13 02:23:39 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	206172	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	816745	20.00	ng	0.00
38) Acenaphthene-d10	9.69	164	311776	20.00	ng	-0.01
63) Phenanthrene-d10	11.17	188	477748	20.00	ng	-0.01
75) Chrysene-d12	13.81	240	397100	20.00	ng	0.00
86) Perylene-d12	15.21	264	307930	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	1506464	108.03	ng	0.00
7) Phenol-d6	6.32	99	1854090	104.72	ng	0.00
23) Nitrobenzene-d5	7.23	82	1063770	72.61	ng	0.00
41) 2,4,6-Tribromophenol	10.49	330	218911	105.20	ng	0.00
44) 2-Fluorobiphenyl	9.02	172	1503760	81.75	ng	-0.01
78) Terphenyl-d14	12.76	244	930563	50.58	ng	-0.01
Target Compounds						
10) Phenol	6.33	94	53774	2.615	ng	Qvalue 90
20) 3+4-Methylphenols	7.09	107	47388	3.003	ng	# 57
31) Naphthalene	7.97	128	80939	2.005	ng	98
49) Dimethylphthalate	9.42	163	231457	9.590	ng	99
74) Fluoranthene	12.39	202	71435	2.817	ng	98
77) Pyrene	12.61	202	69889	2.231	ng	97
80) Benzo(a)anthracene	13.80	228	47610m	2.045	ng	
82) Chrysene	13.83	228	47219	2.006	ng	96
83) Bis(2-ethylhexyl)phthalate	13.79	149	77087	4.520	ng	99
87) Benzo(b)fluoranthene	14.82	252	47960m	2.477	ng	
89) Benzo(a)pyrene	15.15	252	35123	2.036	ng	# 85

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

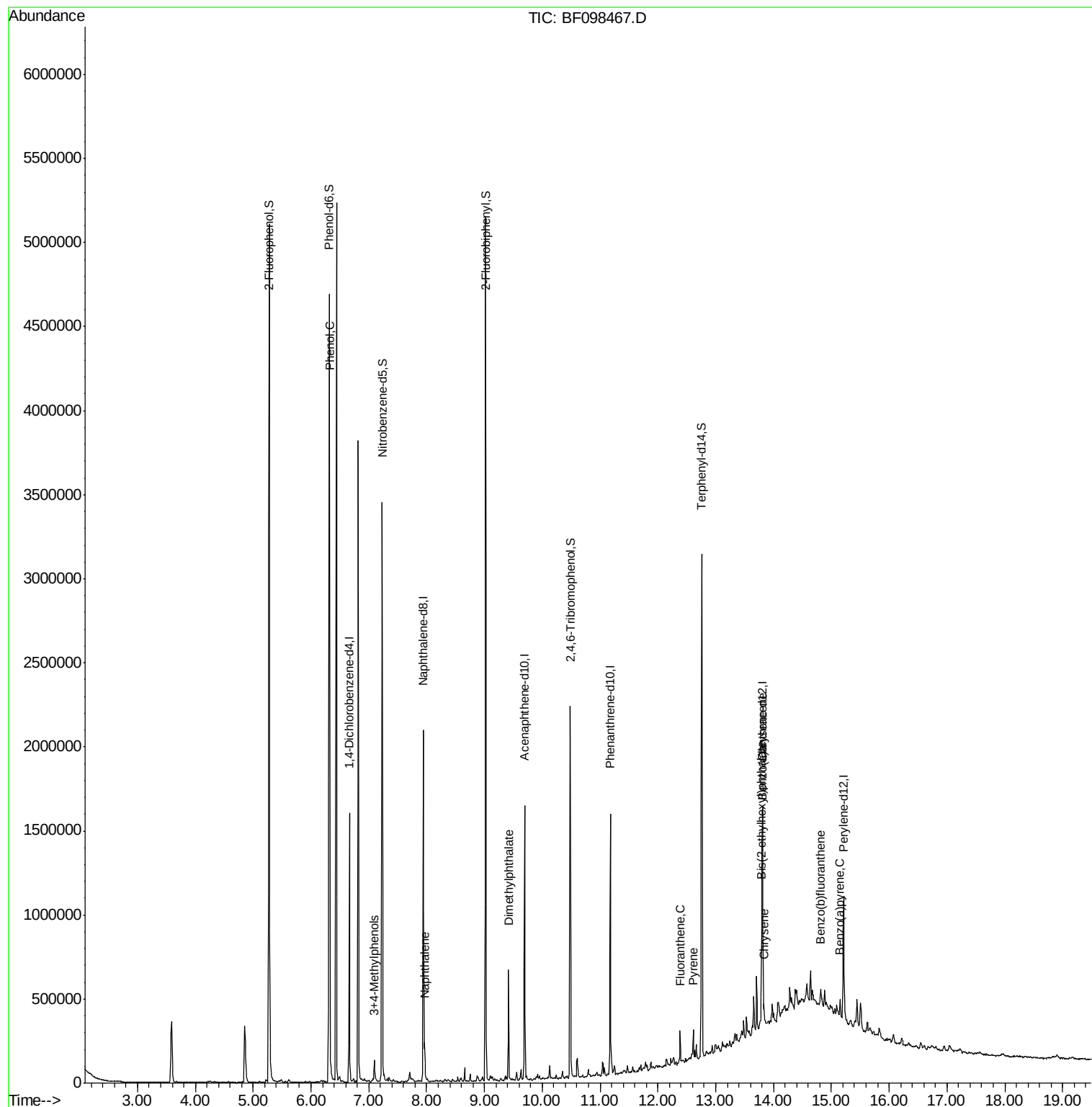
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091217\
Data File : BF098467.D
Acq On : 12 Sep 2017 23:06
Operator : SJ/JU
Sample : I5140-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

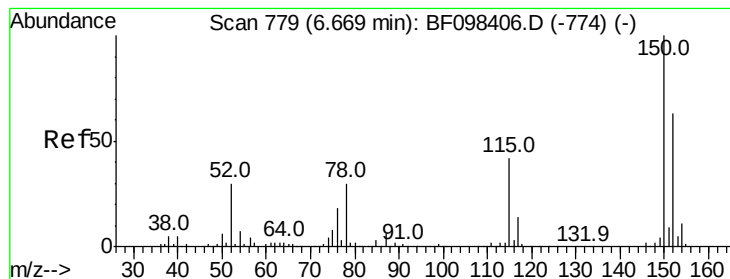
Instrument :
BNA_F
ClientSampleId :
RL-10-10.5-21

Manual Integrations
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9/13/2017 5:00:20 PM

Quant Time: Sep 13 02:23:39 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 02:14:50 2017
Response via : Initial Calibration





#1

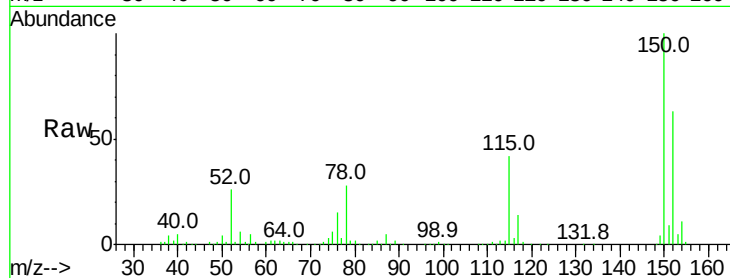
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF098467.D
Acq: 12 Sep 2017 23:06

Instrument :
BNA_F
ClientSampleId :
RL-10-10.5-21

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	126.2	189.2
115	66.1	52.2	78.2

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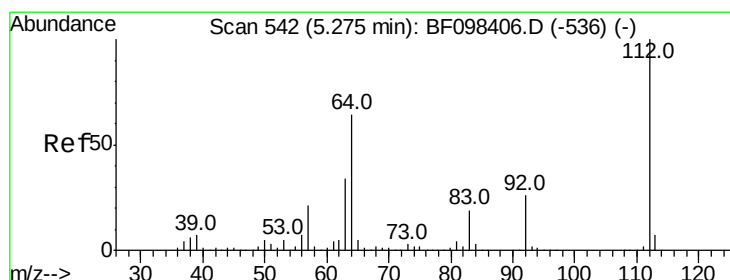
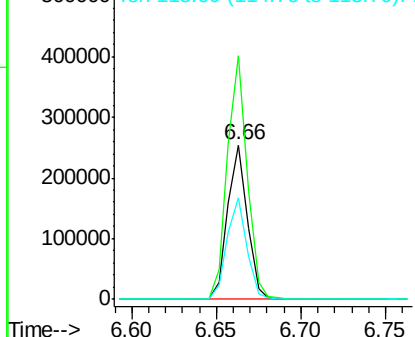
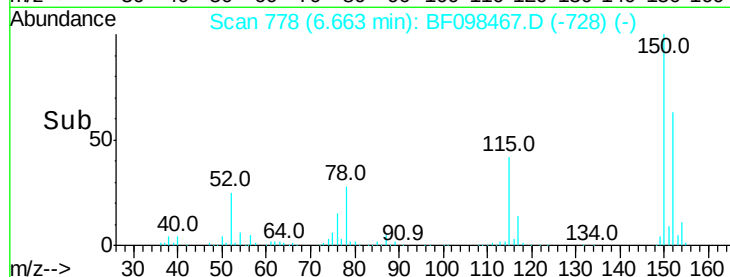


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

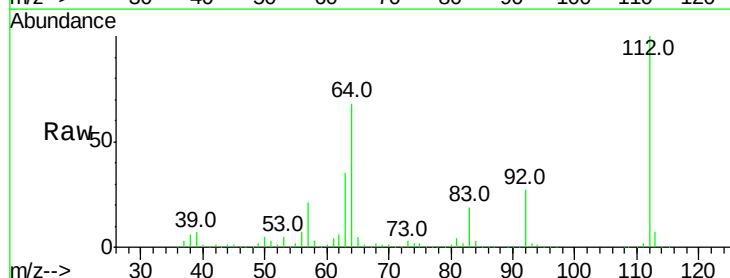
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 108.033 ng
RT: 5.27 min Scan# 542
Delta R.T. 0.00 min
Lab File: BF098467.D
Acq: 12 Sep 2017 23:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.2	46.0	69.0
63	34.9	23.4	35.0

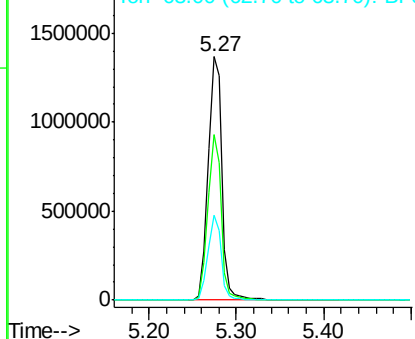
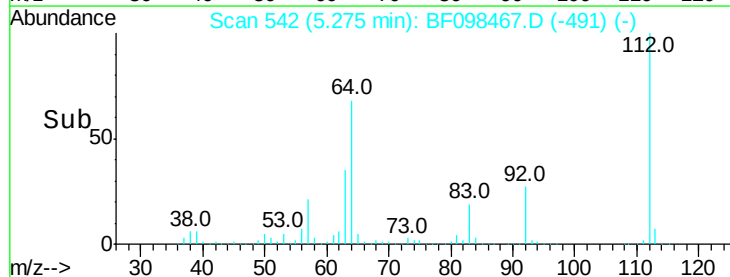


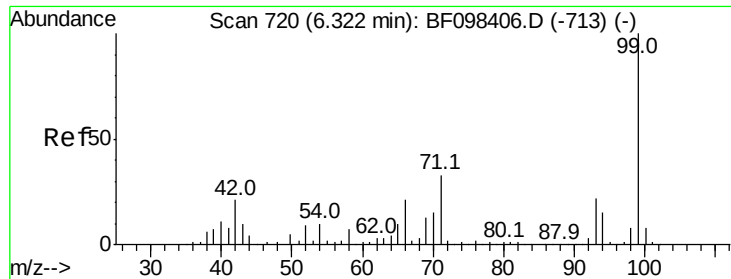
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 104.723 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF098467.D

Acq: 12 Sep 2017 23:06

Instrument :

BNA_F

ClientSampleId :

RL-10-10.5-21

Tot Ion: 99 Resp: 1854090

Ion Ratio Lower Upper

99 100

42 19.7 13.5 20.3

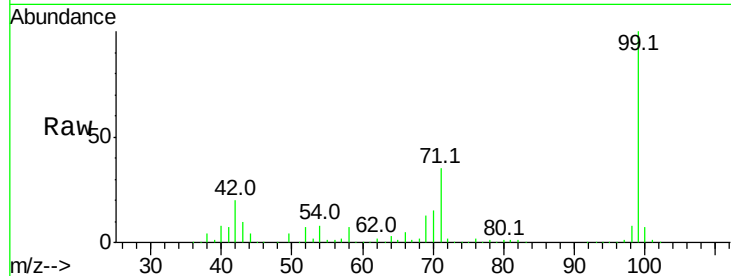
71 34.9 24.5 36.7

Manual Integrations

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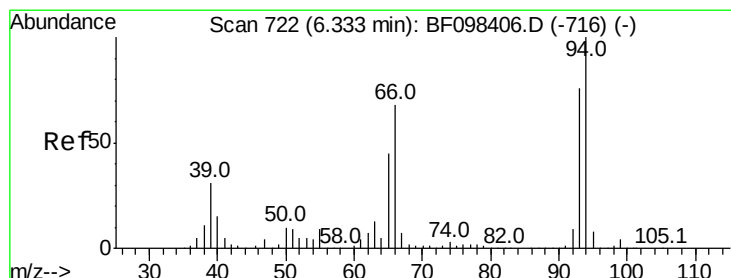
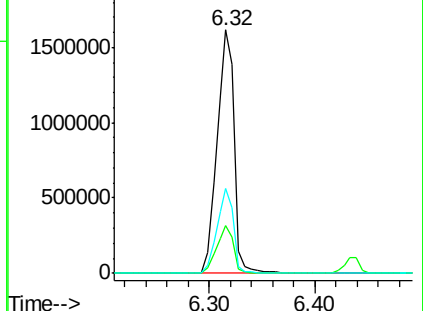
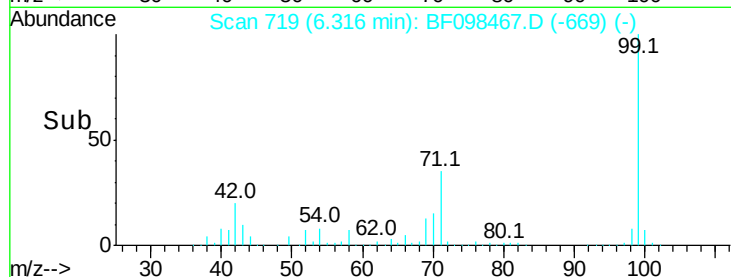
9/13/2017 5:00:20 PM



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.615 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF098467.D

Acq: 12 Sep 2017 23:06

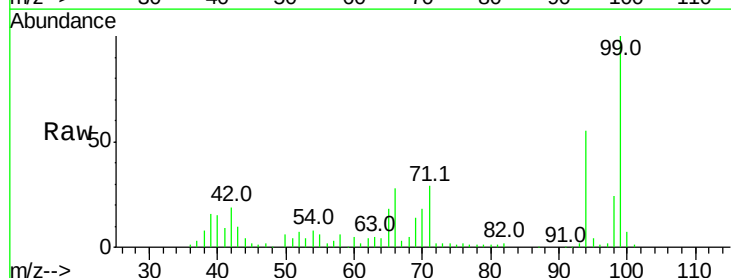
Tgt Ion: 94 Resp: 53774

Ion Ratio Lower Upper

94 100

65 33.6 9.9 49.9

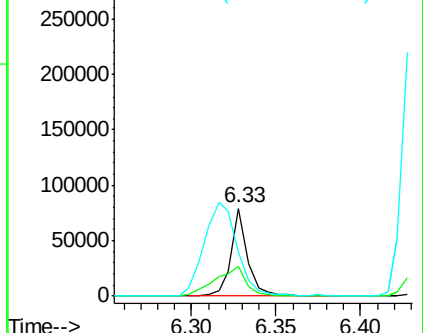
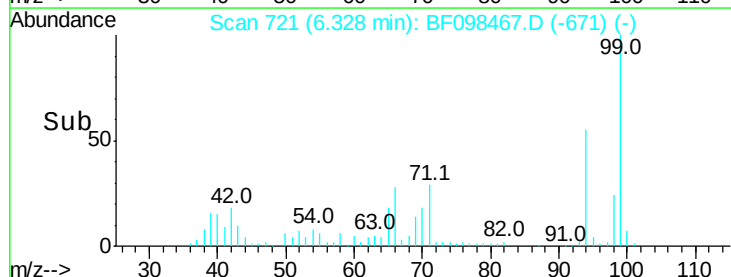
66 50.7 23.1 63.1

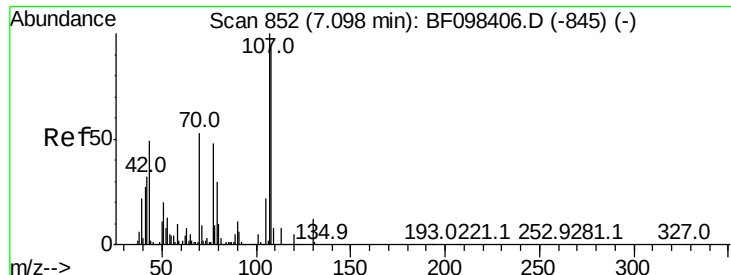


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





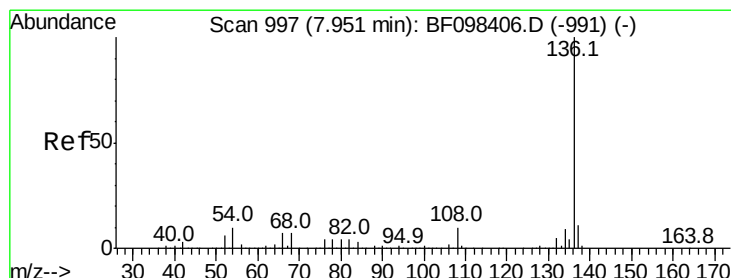
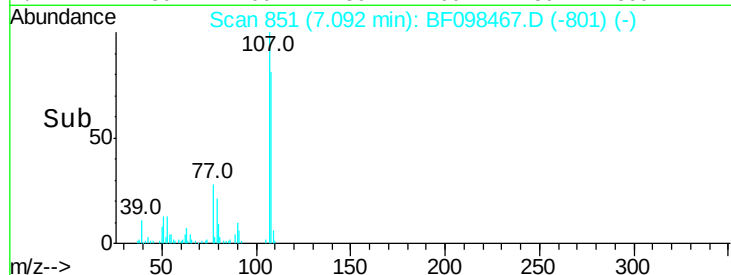
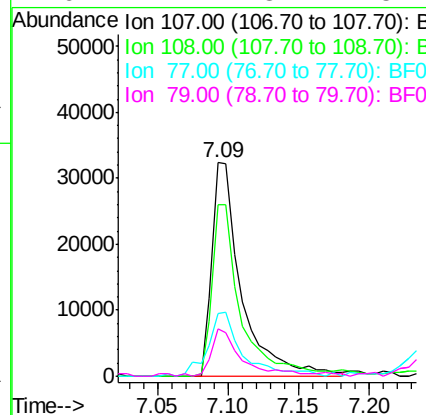
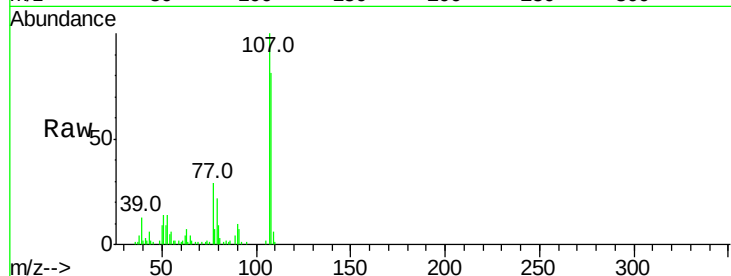
#20
3+4-Methylphenols
Concen: 3.003 ng
RT: 7.09 min Scan# 851
Delta R.T. -0.01 min
Lab File: BF098467.D
Acq: 12 Sep 2017 23:06

Instrument :
BNA_F
ClientSampleId :
RL-10-10.5-21

Tot Ion	107	Resp:	47388
Ion	Ratio	Lower	Upper
107	100		
108	80.5	71.0	111.0
77	29.4	90.5	130.5#
79	22.4	8.4	48.4

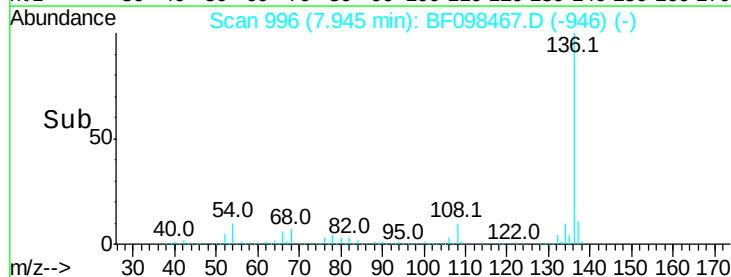
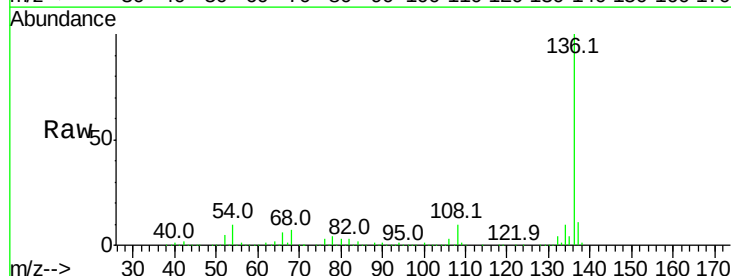
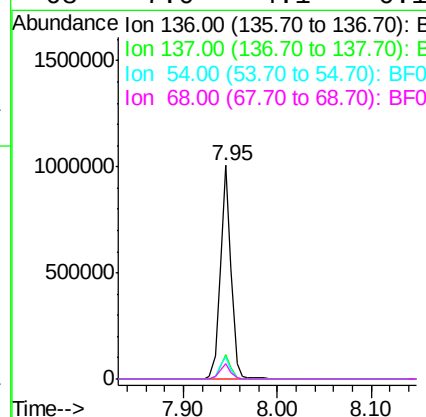
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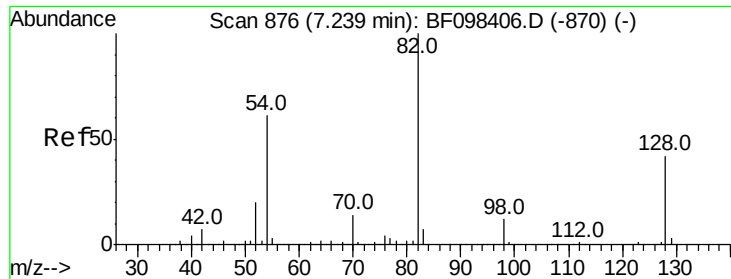
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF098467.D
Acq: 12 Sep 2017 23:06

Tgt Ion	136	Resp:	816745
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.5	12.7
54	10.1	4.9	7.3#
68	7.0	4.1	6.1#





#23

Nitrobenzene-d5

Concen: 72.611 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.01 min

Lab File: BF098467.D

Acq: 12 Sep 2017 23:06

Instrument :

BNA_F

ClientSampled :

RL-10-10.5-21

Tot Ion: 82 Resp: 1063770

Ion Ratio Lower Upper

82 100

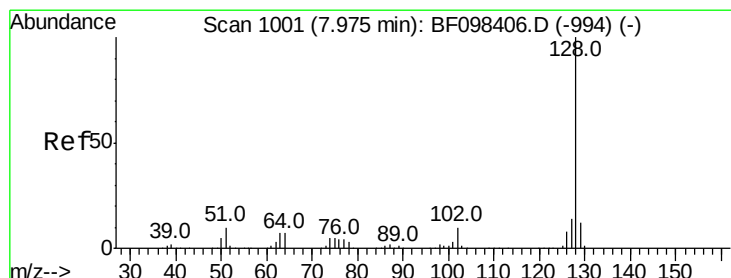
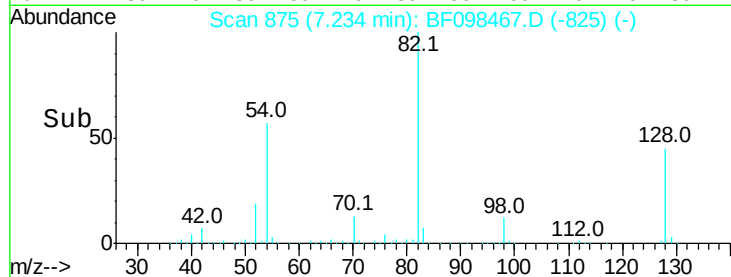
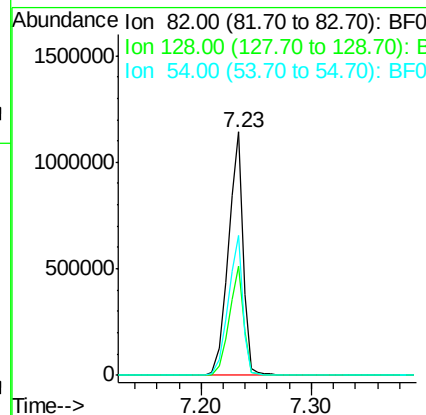
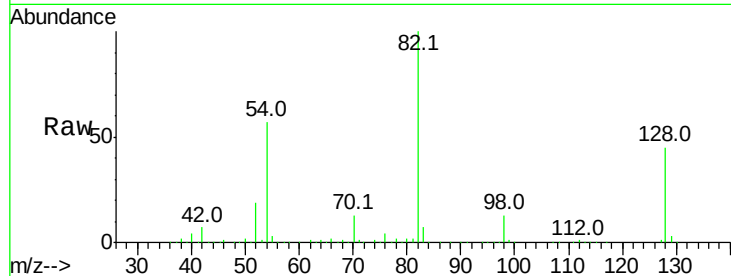
128 44.9 34.0 51.0

54 57.4 42.2 63.2

Manual Integrations
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#31

Naphthalene

Concen: 2.005 ng

RT: 7.97 min Scan# 1000

Delta R.T. -0.01 min

Lab File: BF098467.D

Acq: 12 Sep 2017 23:06

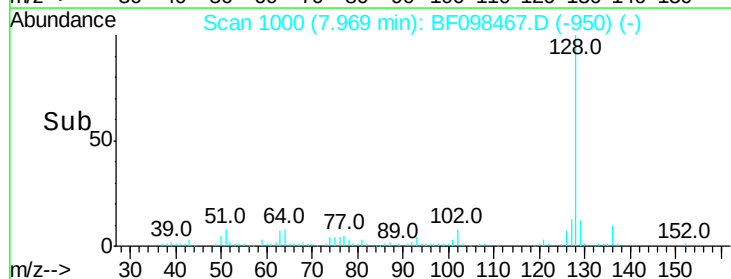
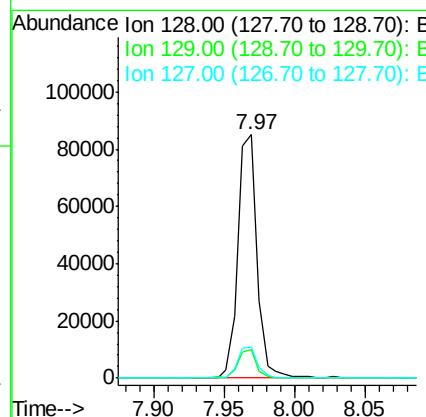
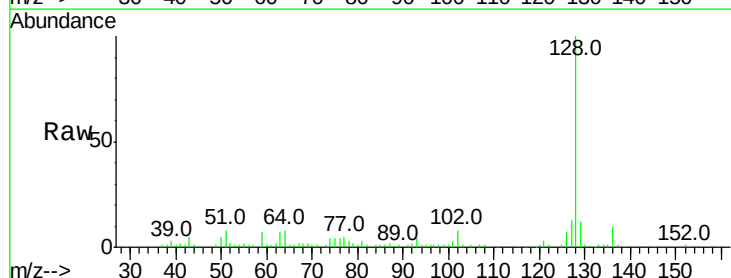
Tgt Ion: 128 Resp: 80939

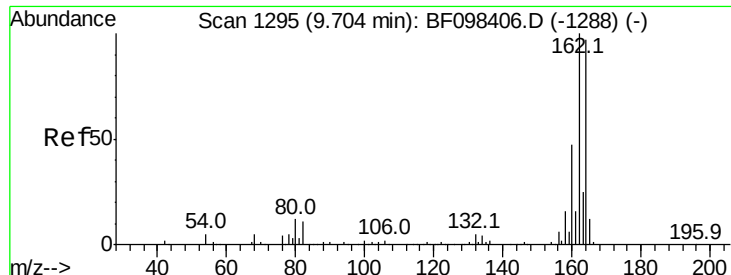
Ion Ratio Lower Upper

128 100

129 11.9 9.0 13.6

127 12.6 10.8 16.2





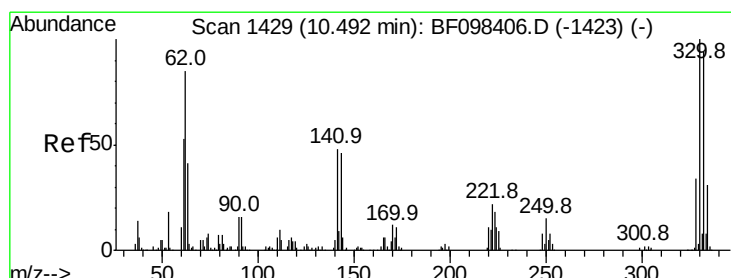
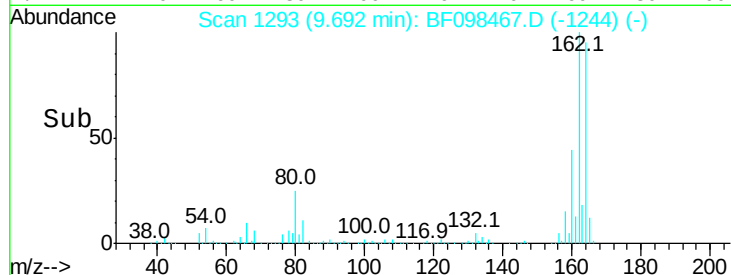
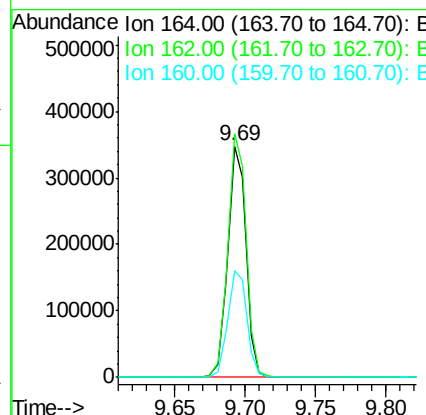
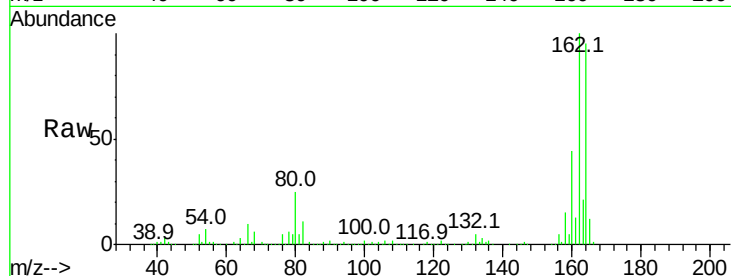
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.69 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BF098467.D
 Acq: 12 Sep 2017 23:06

Instrument :
 BNA_F
 ClientSampleId :
 RL-10-10.5-21

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.2	82.6	123.8	
160	46.2	36.2	54.2	

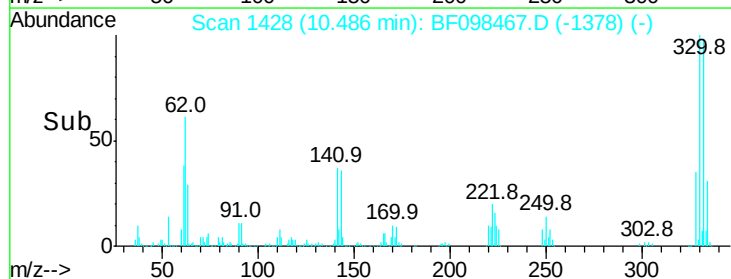
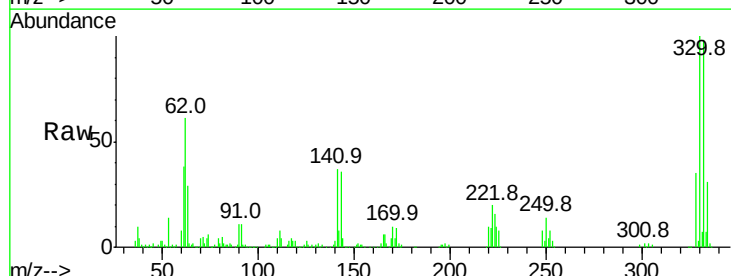
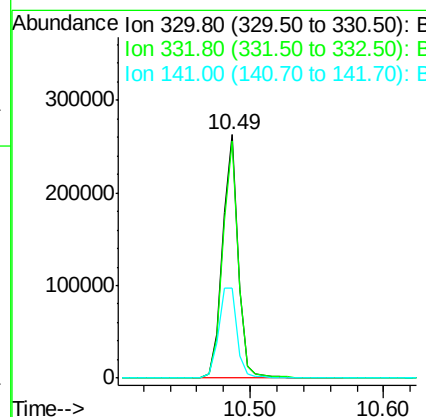
Manual Integrations
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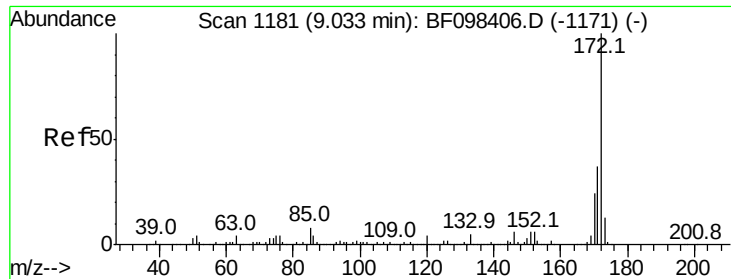
Sohil
 9/13/2017 5:00:20 PM



#41
 2,4,6-Tribromophenol
 Concen: 105.203 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BF098467.D
 Acq: 12 Sep 2017 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.3	76.6	115.0	
141	43.6	31.4	47.2	





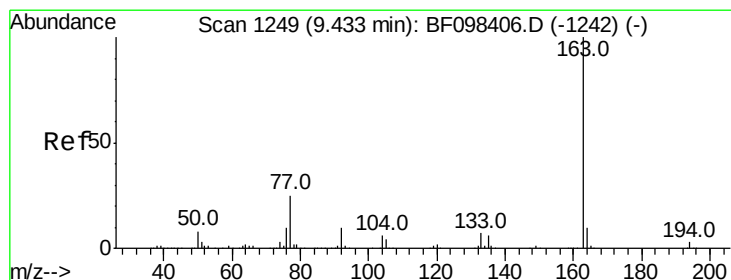
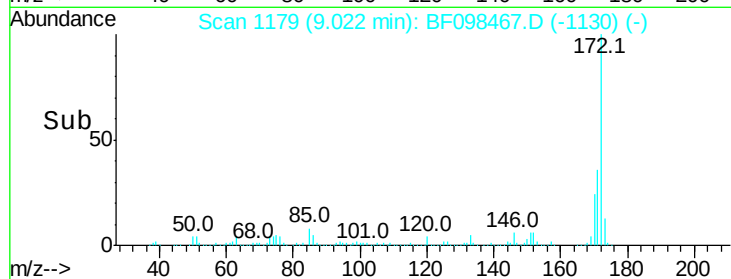
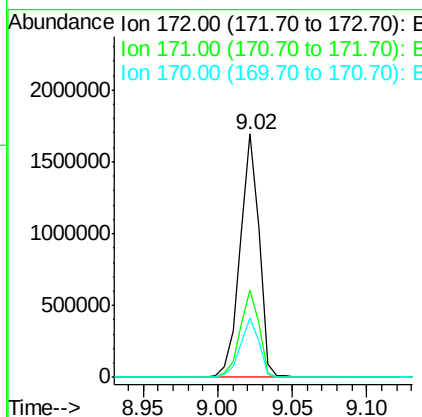
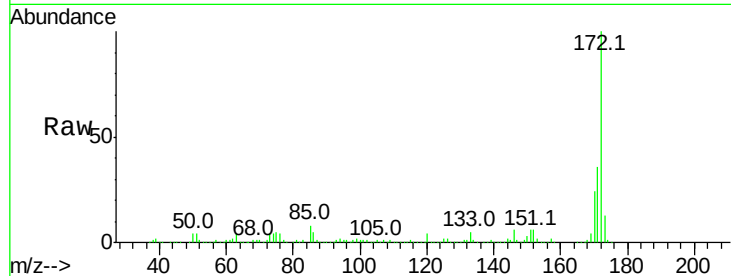
#44
2-Fluorobiphenyl
Concen: 81.749 ng
RT: 9.02 min Scan# 1179
Delta R.T. -0.01 min
Lab File: BF098467.D
Acq: 12 Sep 2017 23:06

Instrument :
BNA_F
ClientSampleId :
RL-10-10.5-21

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	24.1	19.8	29.8

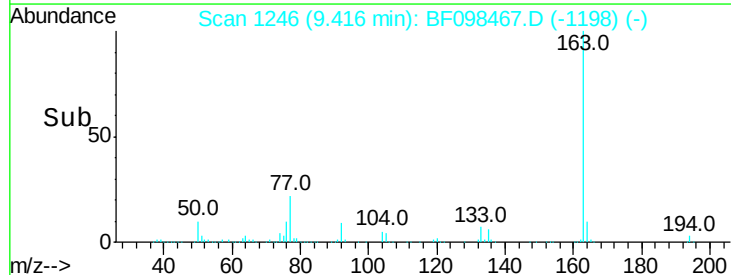
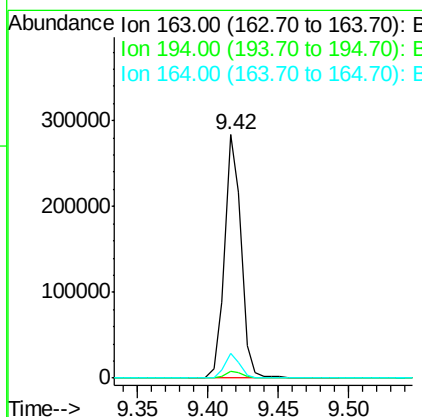
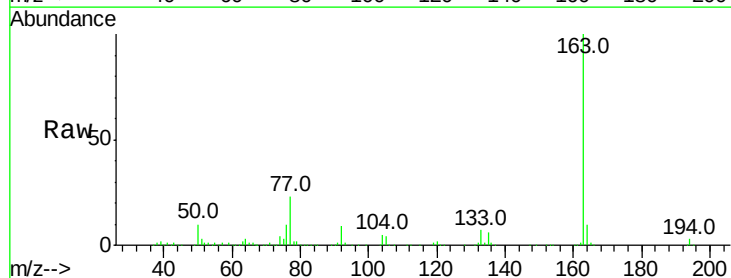
Manual Integrations
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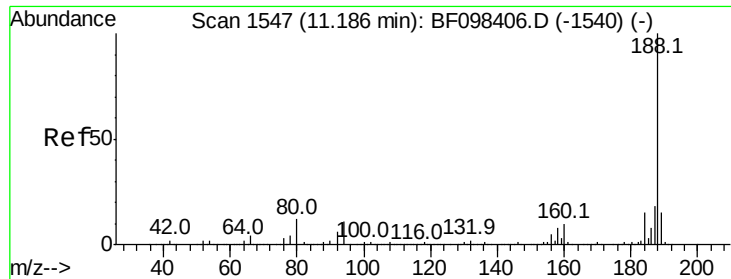
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#49
Dimethylphthalate
Concen: 9.590 ng
RT: 9.42 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BF098467.D
Acq: 12 Sep 2017 23:06

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.6	4.0
164	10.0	8.4	12.6





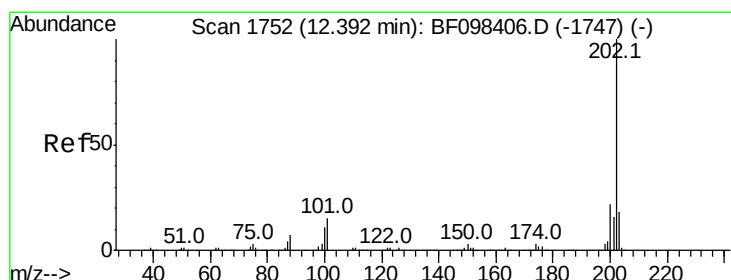
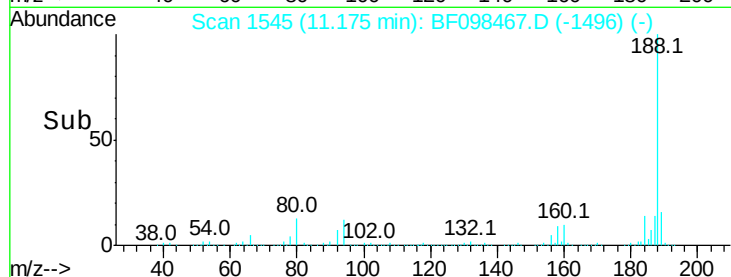
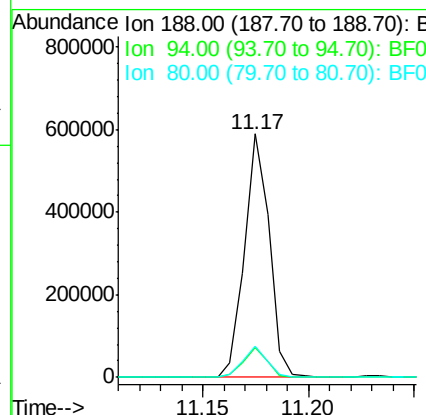
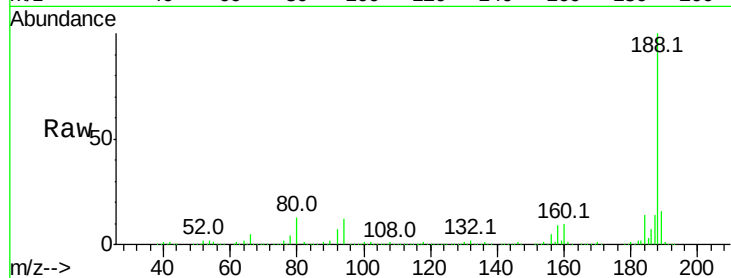
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.17 min Scan# 1545
Delta R.T. -0.01 min
Lab File: BF098467.D
Acq: 12 Sep 2017 23:06

Instrument :
BNA_F
ClientSampleId :
RL-10-10.5-21

Tot Ion	Ratio	Resp	Lower	Upper
188	100	477748		
94	12.2		9.4	14.2
80	12.8		10.2	15.2

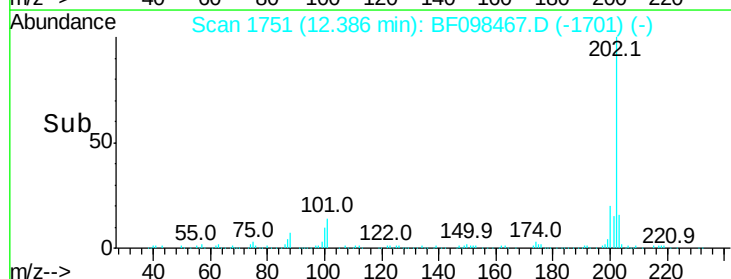
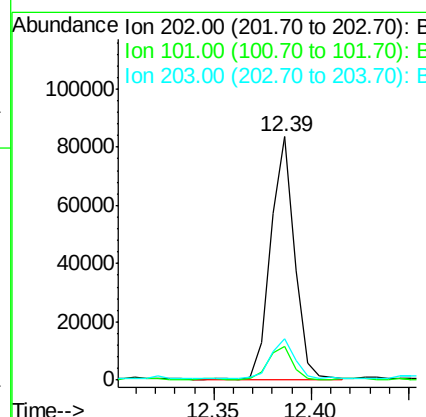
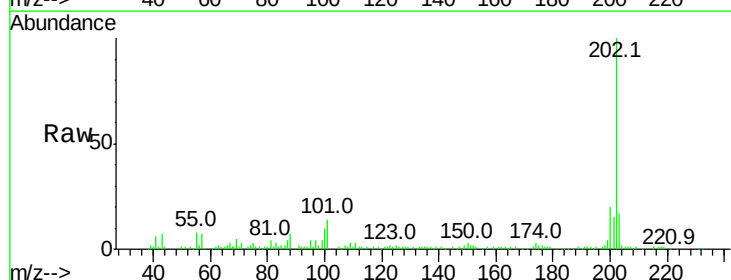
Manual Integrations
APPROVED

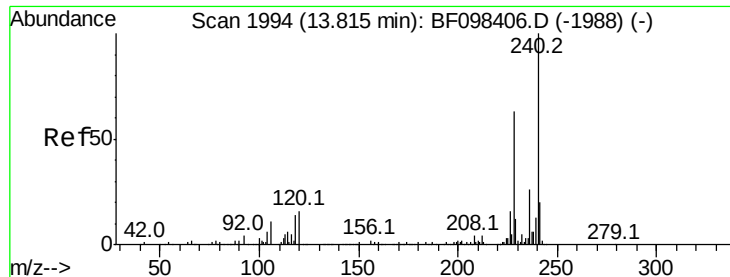
Sohil
9/13/2017 5:00:20 PM



#74
Fluoranthene
Concen: 2.817 ng
RT: 12.39 min Scan# 1751
Delta R.T. -0.01 min
Lab File: BF098467.D
Acq: 12 Sep 2017 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	71435		
101	13.9		0.0	33.2
203	17.0		0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF098467.D

Acq: 12 Sep 2017 23:06

Instrument :

BNA_F

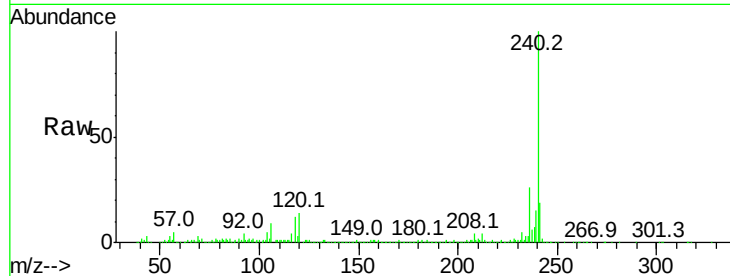
ClientSampleId :

RL-10-10.5-21

Tot Ion	Ratio	Resp	Lower	Upper
240	100	397100		
120	14.2	5.8	8.8#	
236	26.0	20.5	30.7	

Manual Integrations
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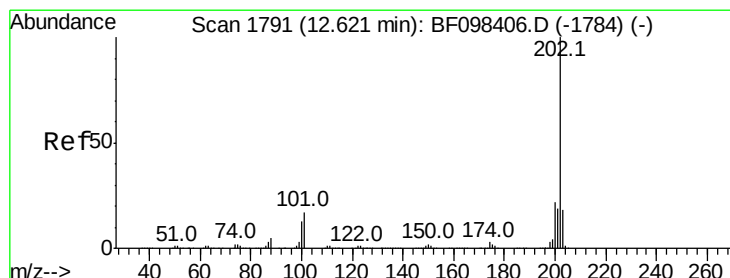
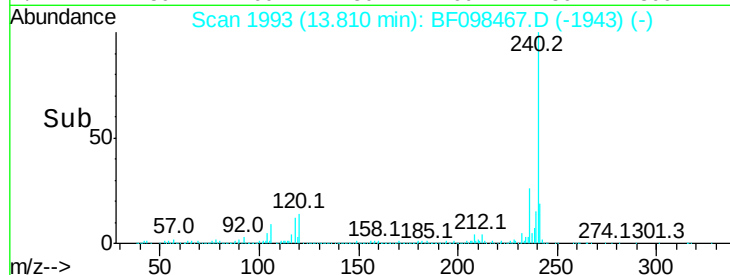
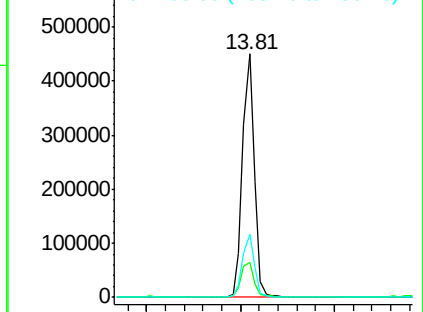
Sohil
9/13/2017 5:00:20 PM



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: 2.231 ng

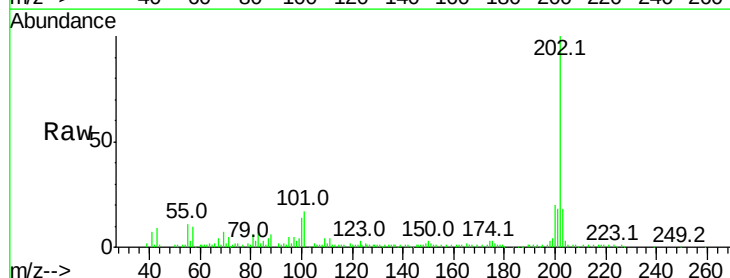
RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF098467.D

Acq: 12 Sep 2017 23:06

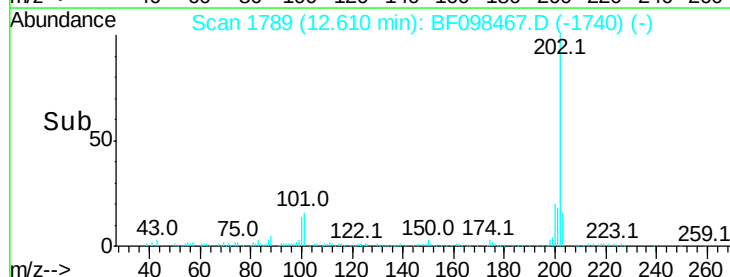
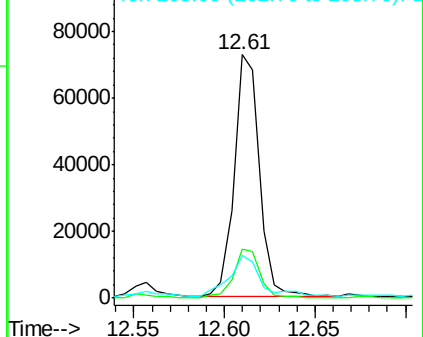
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	69889		
200	20.2	17.6	26.4	
203	17.6	14.4	21.6	

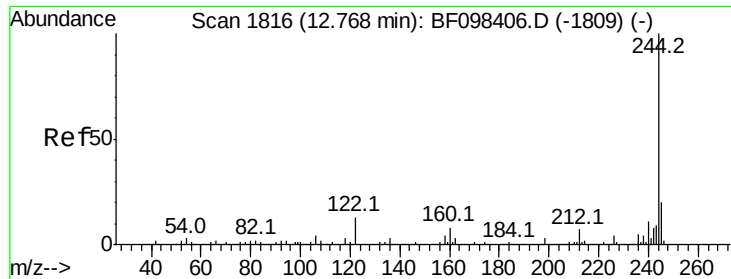


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





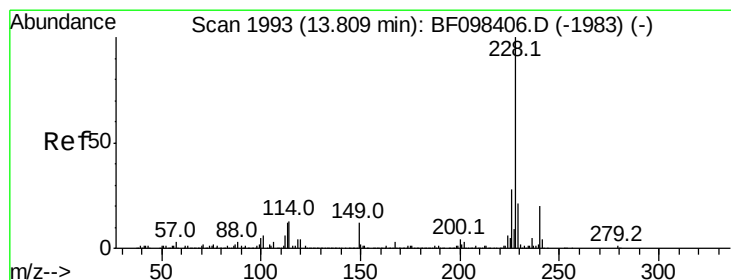
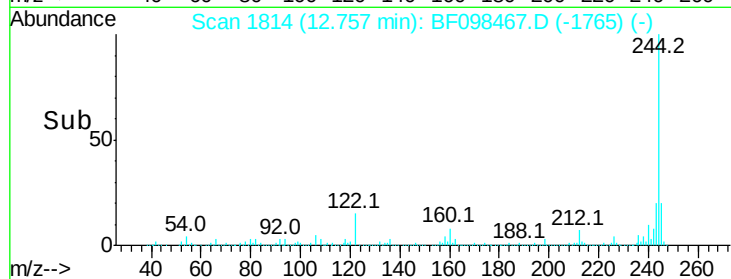
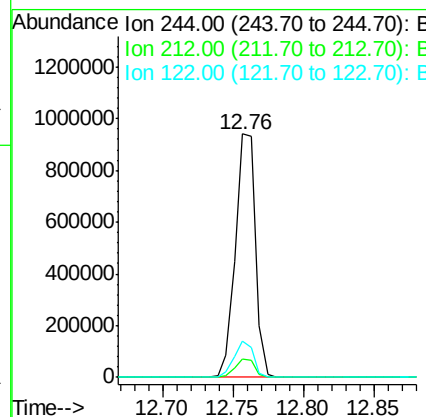
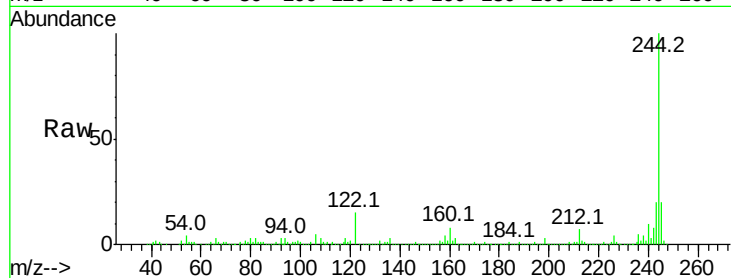
#78
 Terphenyl-d14
 Concen: 50.581 ng
 RT: 12.76 min Scan# 1814
 Delta R.T. -0.01 min
 Lab File: BF098467.D
 Acq: 12 Sep 2017 23:06

Instrument :
 BNA_F
 ClientSampleId :
 RL-10-10.5-21

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	15.1	10.3	15.5

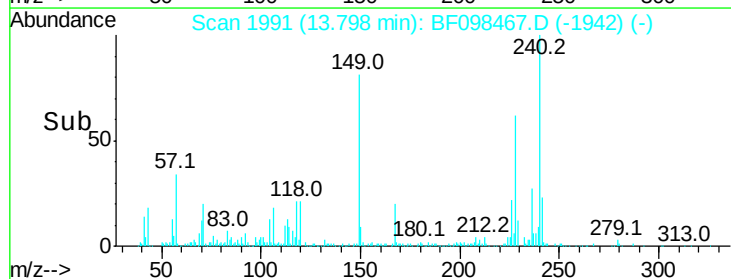
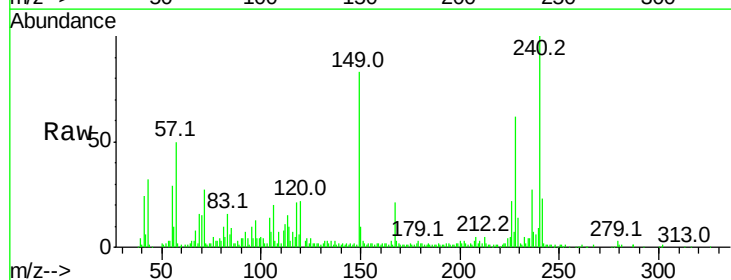
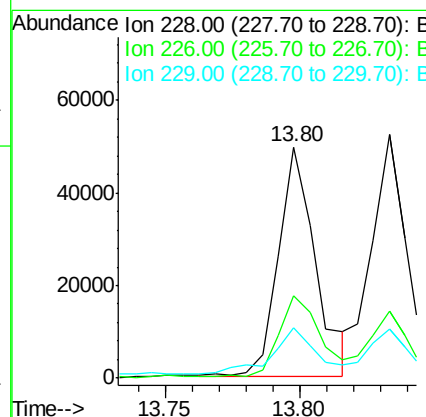
Manual Integrations
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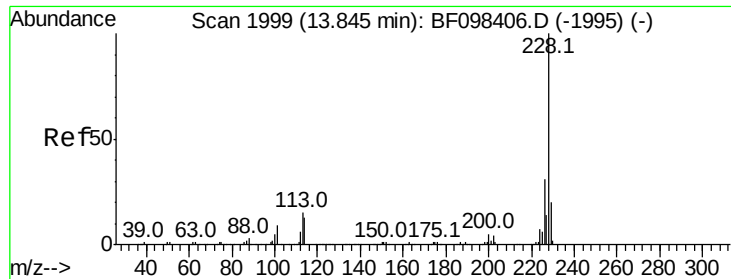
Sohil
 9/13/2017 5:00:20 PM



#80
 Benzo(a)anthracene
 Concen: 2.045 ng m
 RT: 13.80 min Scan# 1991
 Delta R.T. -0.01 min
 Lab File: BF098467.D
 Acq: 12 Sep 2017 23:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.9	22.6	33.8#
229	21.8	16.3	24.5





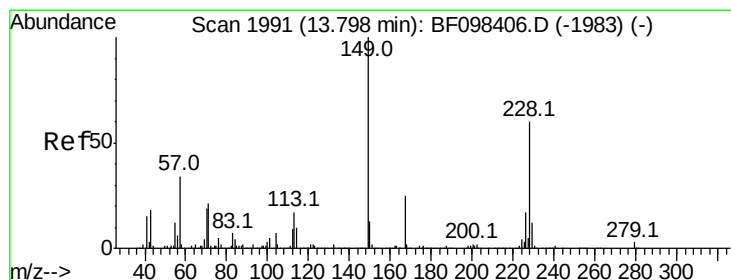
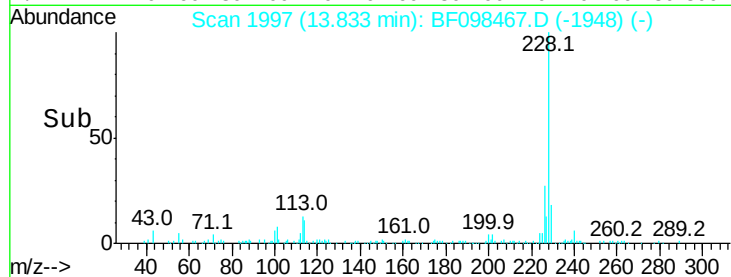
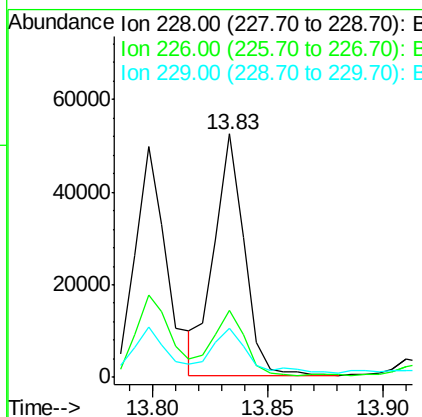
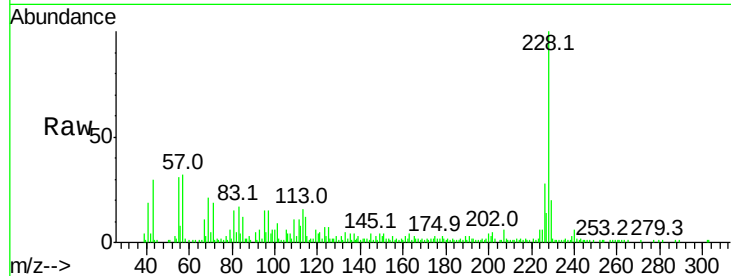
#82
 Chrysene
 Concen: 2.006 ng
 RT: 13.83 min Scan# 1997
 Delta R.T. -0.01 min
 Lab File: BF098467.D
 Acq: 12 Sep 2017 23:06

Instrument :
 BNA_F
 ClientSampleId :
 RL-10-10.5-21

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	24.9	37.3
229	20.4	15.8	23.6

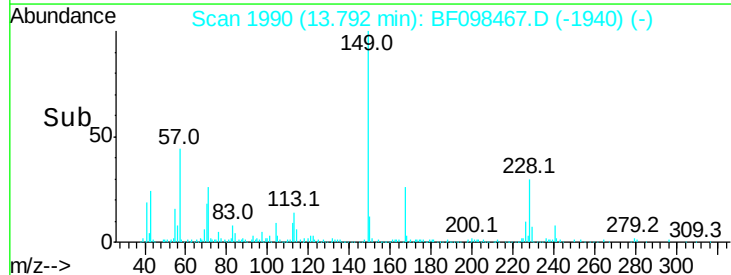
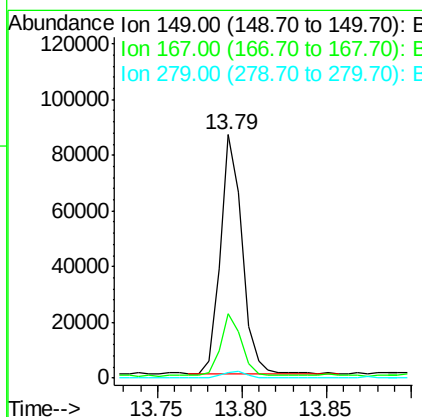
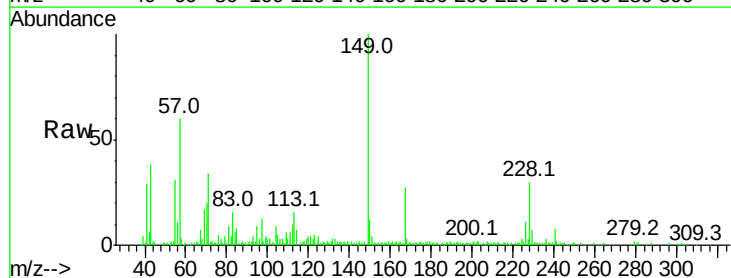
Manual Integrations
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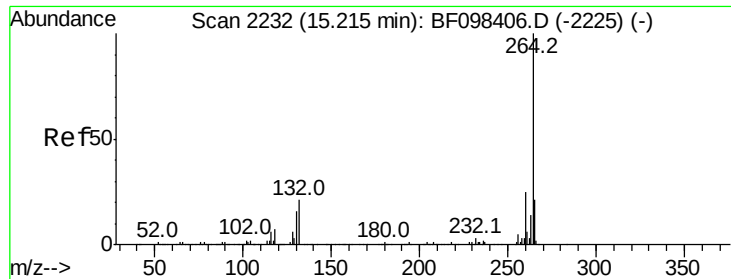
Sohil
 9/13/2017 5:00:20 PM



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.520 ng
 RT: 13.79 min Scan# 1990
 Delta R.T. -0.01 min
 Lab File: BF098467.D
 Acq: 12 Sep 2017 23:06

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.0	31.4
279	2.5	1.9	2.9





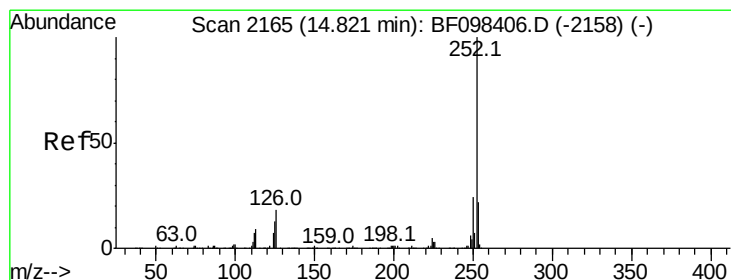
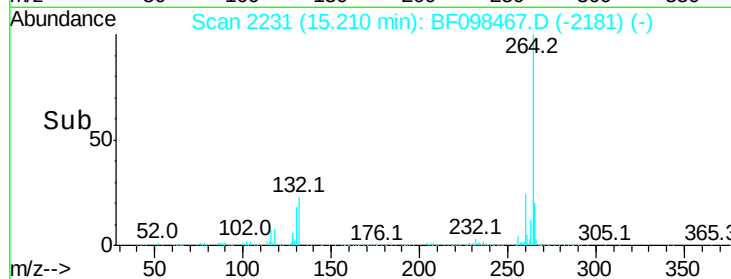
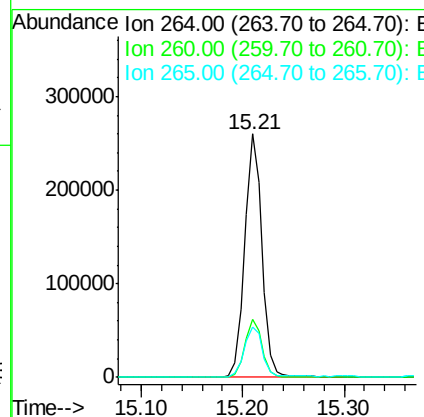
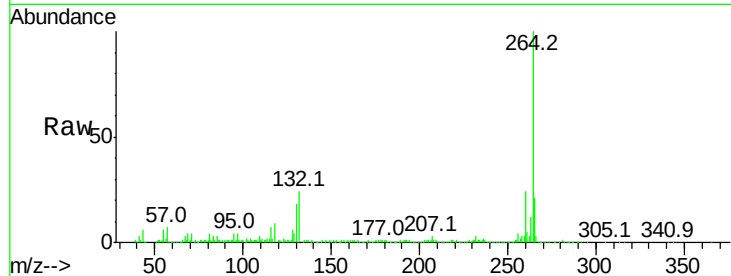
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF098467.D
Acq: 12 Sep 2017 23:06

Instrument :
BNA_F
ClientSampleId :
RL-10-10.5-21

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	20.6	17.2	25.8

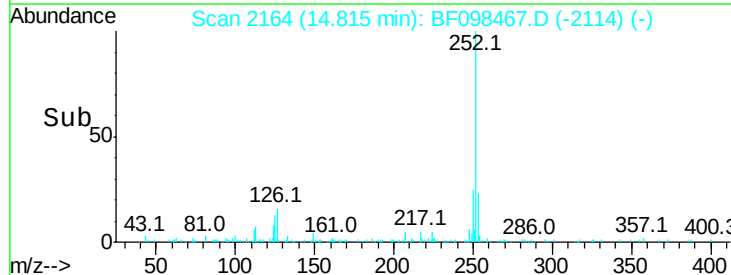
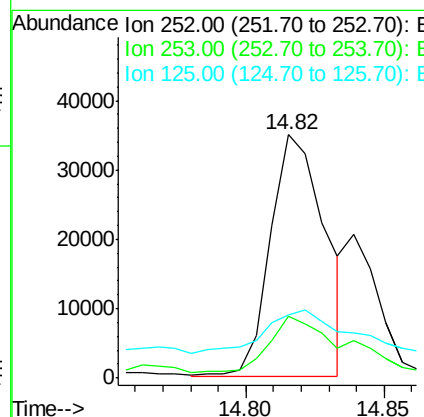
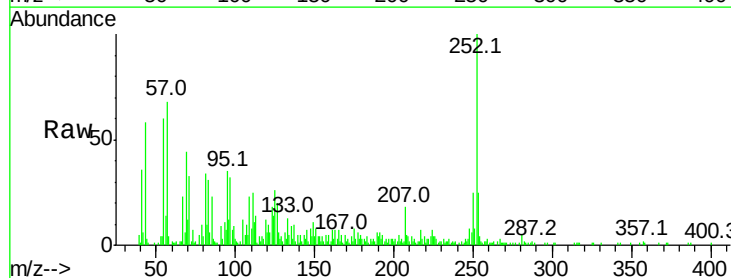
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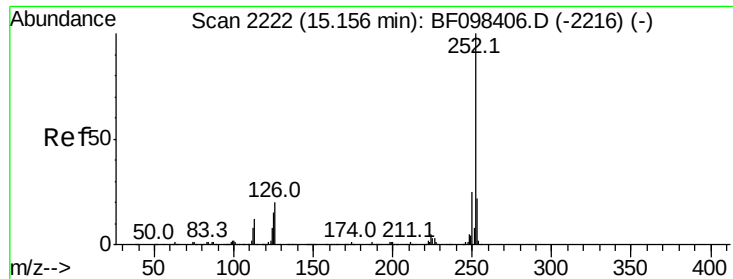
Sohil
9/13/2017 5:00:20 PM



#87
Benzo(b)fluoranthene
Concen: 2.477 ng m
RT: 14.82 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BF098467.D
Acq: 12 Sep 2017 23:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.1	27.1
125	26.2	9.8	14.8#





#89

Benzo(a)pyrene

Concen: 2.036 ng

RT: 15.15 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BF098467.D

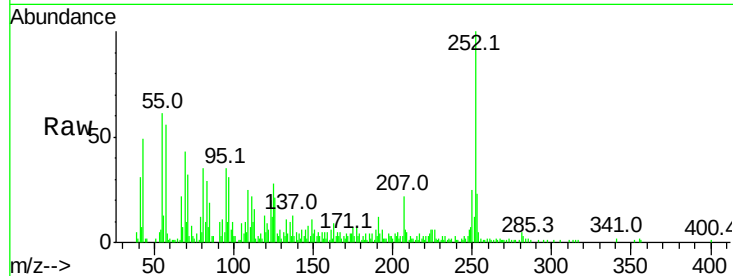
Acq: 12 Sep 2017 23:06

Instrument :

BNA_F

ClientSampleId :

RL-10-10.5-21



Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	28.0	11.0	16.4

Manual Integrations
APPROVED

Sohil
9/13/2017 5:00:20 PM

