

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091217\
 Data File : BF098464.D
 Acq On : 12 Sep 2017 21:42
 Operator : SJ/JU
 Sample : I5140-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RL-9-0-15

Manual Integrations
 APPROVED

Sohil
 9/13/2017 5:00:14 PM

Quant Time: Sep 13 02:09:06 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	216082	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	842061	20.00	ng	0.00
38) Acenaphthene-d10	9.69	164	327183	20.00	ng	-0.01
63) Phenanthrene-d10	11.17	188	502047	20.00	ng	-0.01
75) Chrysene-d12	13.82	240	375729	20.00	ng	0.00
86) Perylene-d12	15.22	264	286435	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	1444589	98.84	ng	0.00
7) Phenol-d6	6.32	99	1797584	96.87	ng	0.00
23) Nitrobenzene-d5	7.23	82	1121478	74.25	ng	0.00
41) 2,4,6-Tribromophenol	10.49	330	215366	98.63	ng	0.00
44) 2-Fluorobiphenyl	9.02	172	1542983	79.93	ng	-0.01
78) Terphenyl-d14	12.76	244	948417	54.48	ng	0.00
Target Compounds						
10) Phenol	6.33	94	58633	2.720	ng	89
49) Dimethylphthalate	9.42	163	238523	9.418	ng	99
70) Phenanthrene	11.20	178	104111	3.912	ng	97
74) Fluoranthene	12.39	202	188187	7.063	ng	98
77) Pyrene	12.62	202	172591	5.823	ng	98
80) Benzo(a)anthracene	13.80	228	73937	3.356	ng	# 89
82) Chrysene	13.84	228	84593	3.799	ng	# 94
83) Bis(2-ethylhexyl)phthalate	13.80	149	49356	3.058	ng	# 93
87) Benzo(b)fluoranthene	14.82	252	88304m	4.903	ng	
89) Benzo(a)pyrene	15.16	252	57063	3.556	ng	# 85
91) Benzo(g,h,i)perylene	16.96	276	29408	2.505	ng	91

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

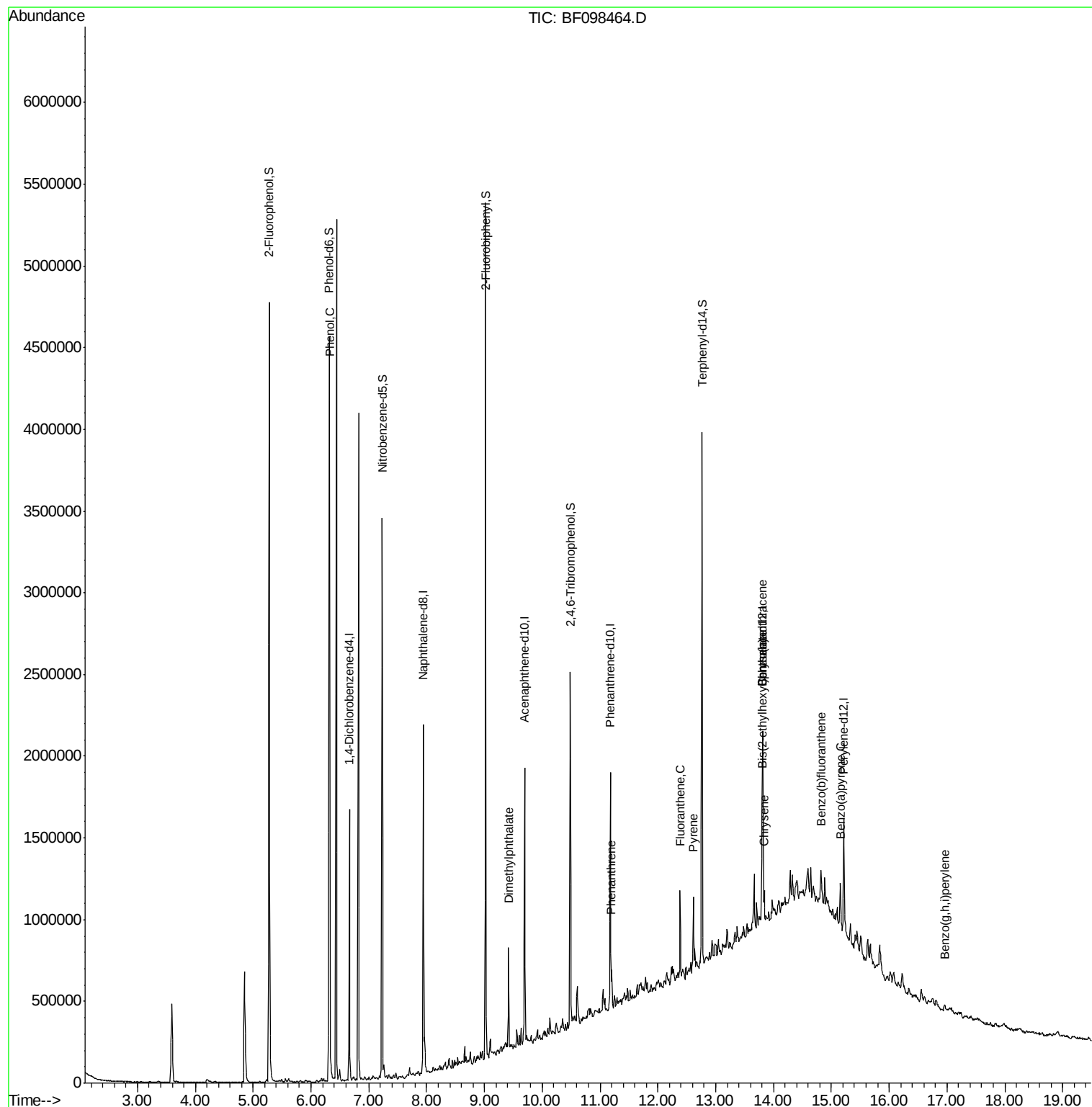
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091217\
Data File : BF098464.D
Acq On : 12 Sep 2017 21:42
Operator : SJ/JU
Sample : I5140-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

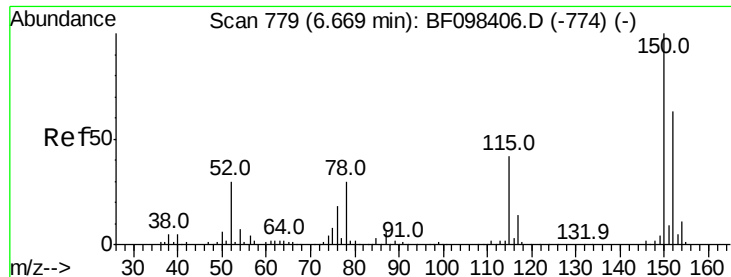
Instrument :
BNA_F
ClientSampled :
RL-9-0-15

Manual Integrations
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Sohil
9/13/2017 5:00:14 PM

Quant Time: Sep 13 02:09:06 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

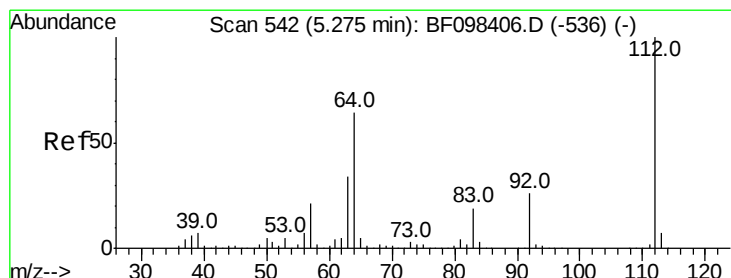
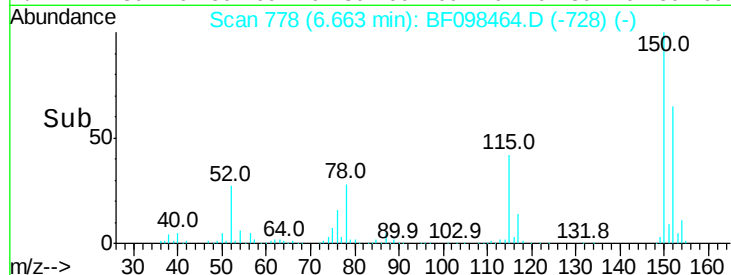
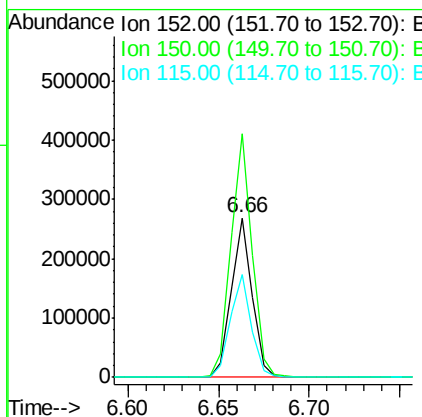
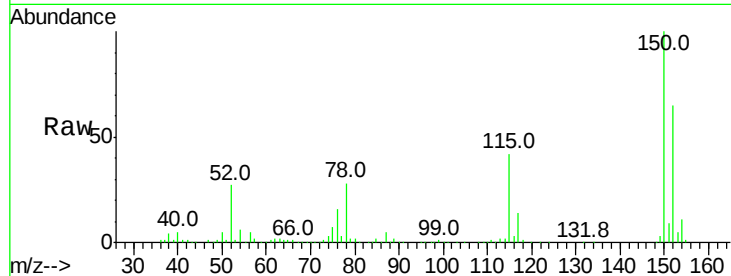
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.66 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: BF098464.D
 Acq: 12 Sep 2017 21:42

Instrument :
 BNA_F
 ClientSampled :
 RL-9-0-15

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.9	126.2	189.2
115	64.7	52.2	78.2

Manual Integrations
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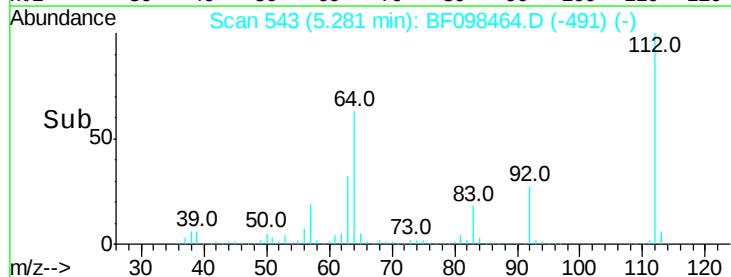
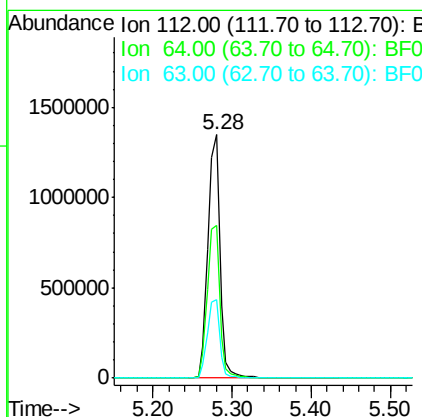
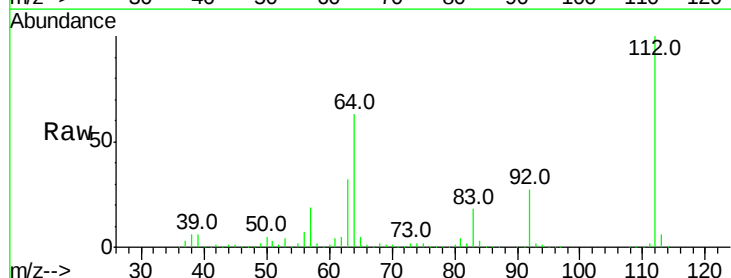
Sohil
 9/13/2017 5:00:14 PM

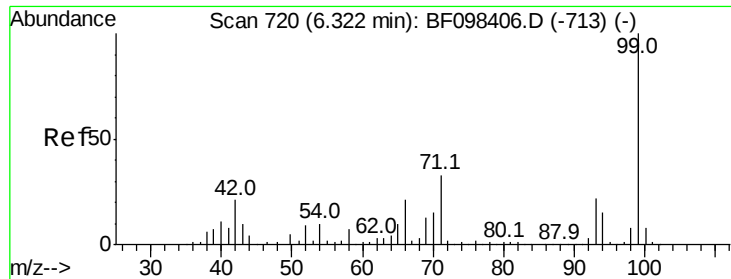


#5

2-Fluorophenol
 Concen: 98.845 ng
 RT: 5.28 min Scan# 543
 Delta R.T. 0.01 min
 Lab File: BF098464.D
 Acq: 12 Sep 2017 21:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.7	46.0	69.0
63	32.4	23.4	35.0





#7

Phenol-d6

Concen: 96.875 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF098464.D

Acq: 12 Sep 2017 21:42

Instrument :

BNA_F

ClientSampleId :

RL-9-0-15

Tot Ion: 99 Resp: 1797584

Ion Ratio Lower Upper

99 100

42 19.2 13.5 20.3

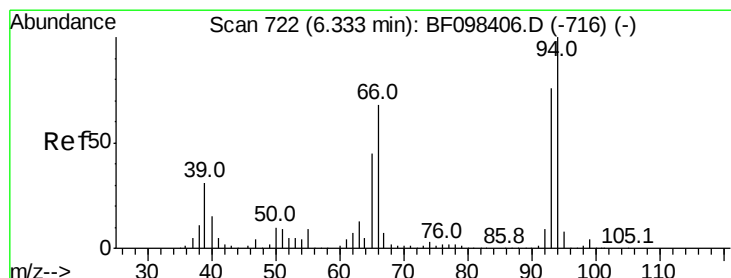
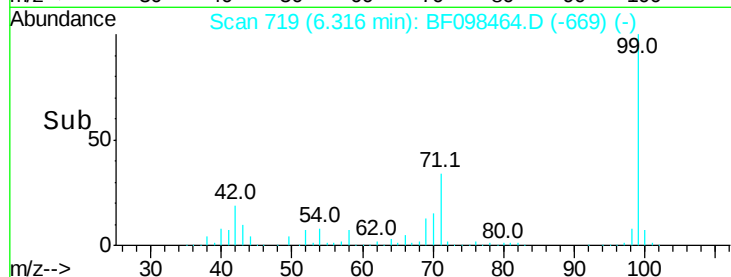
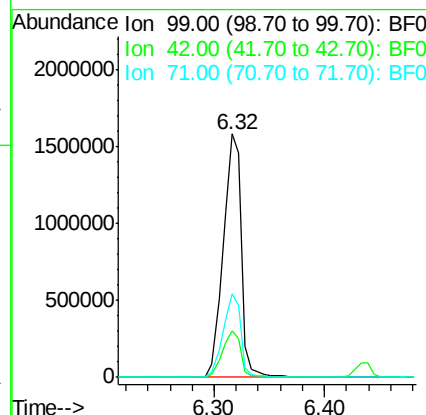
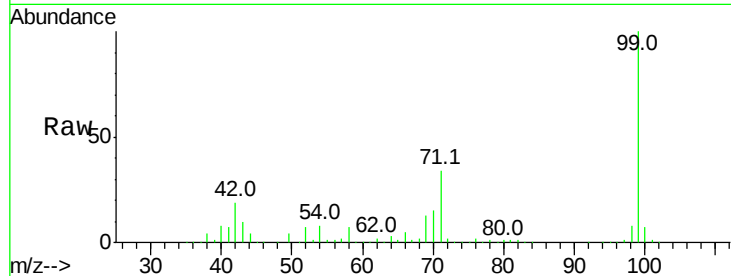
71 34.4 24.5 36.7

Manual Integrations

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#10

Phenol

Concen: 2.720 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF098464.D

Acq: 12 Sep 2017 21:42

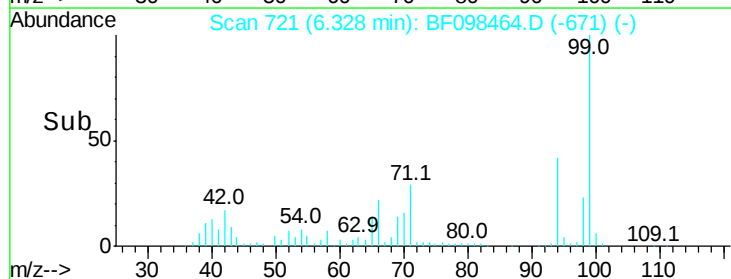
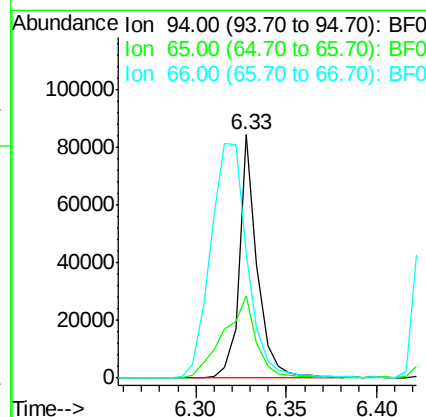
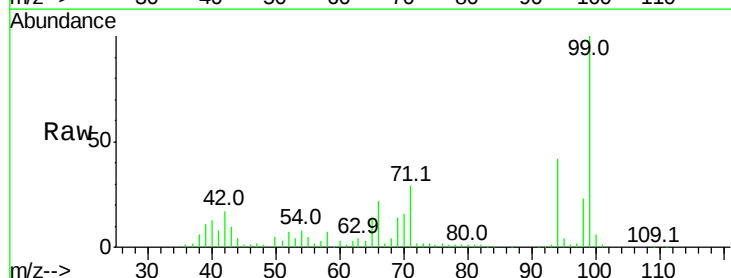
Tgt Ion: 94 Resp: 58633

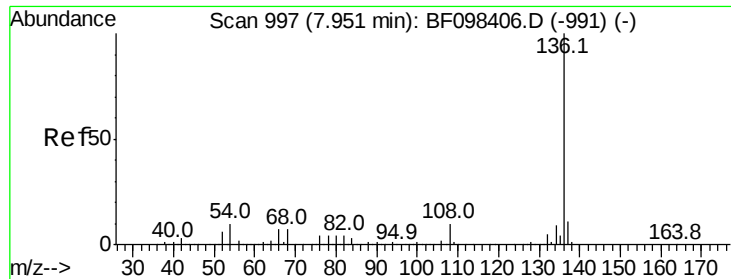
Ion Ratio Lower Upper

94 100

65 33.9 9.9 49.9

66 51.4 23.1 63.1





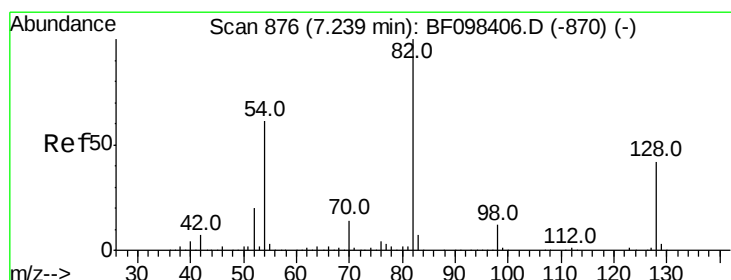
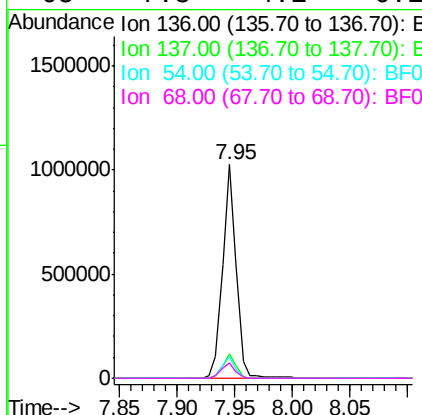
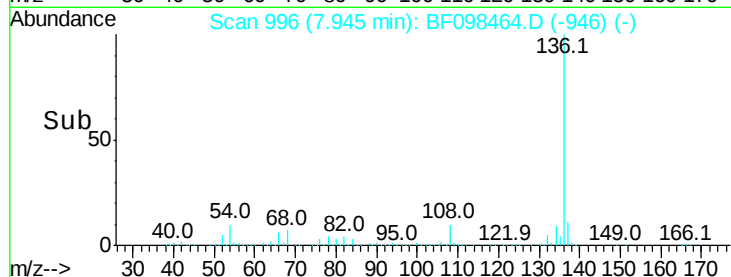
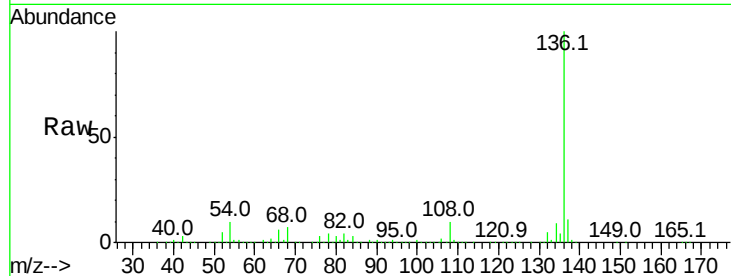
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF098464.D
Acq: 12 Sep 2017 21:42

Instrument :
BNA_F
ClientSampleId :
RL-9-0-15

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.5	12.7	
54	10.3	4.9	7.3#	
68	7.3	4.1	6.1#	

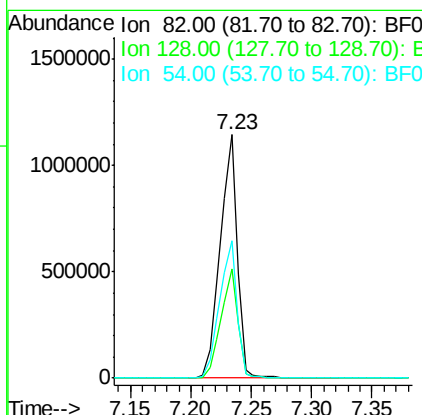
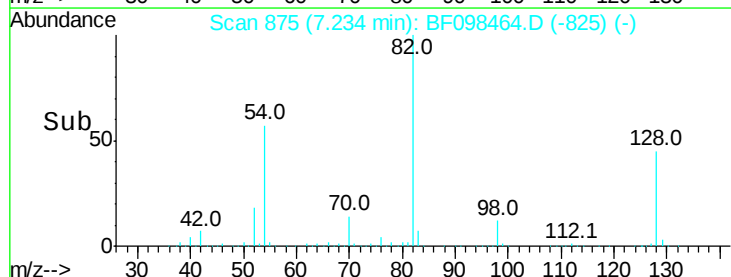
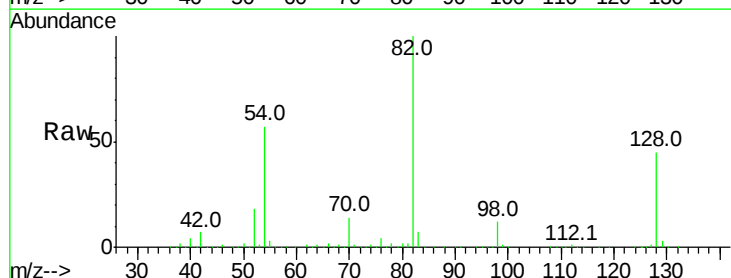
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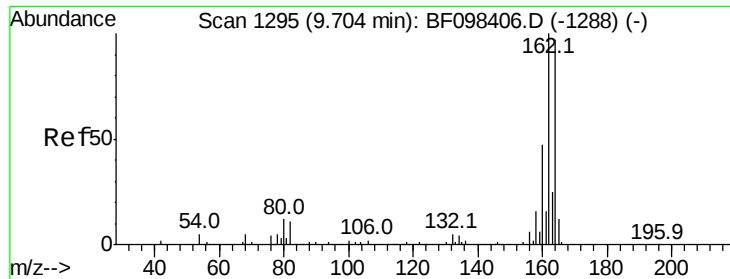
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#23
Nitrobenzene-d5
Concen: 74.249 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.01 min
Lab File: BF098464.D
Acq: 12 Sep 2017 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.9	34.0	51.0	
54	56.6	42.2	63.2	





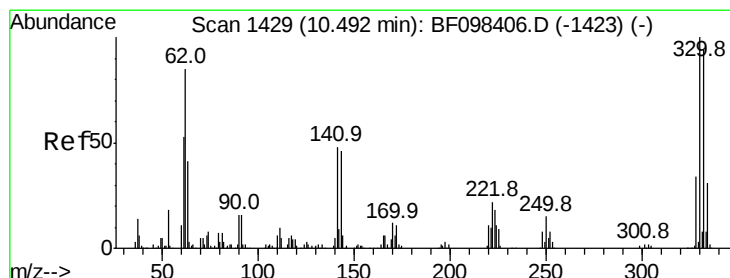
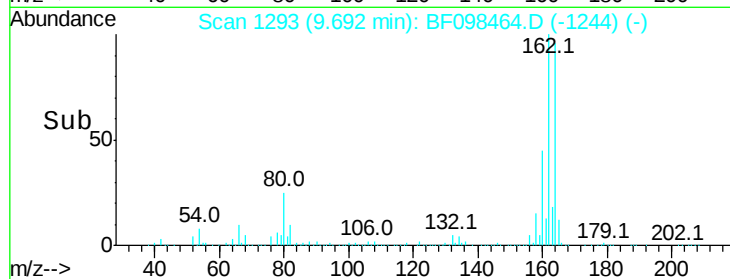
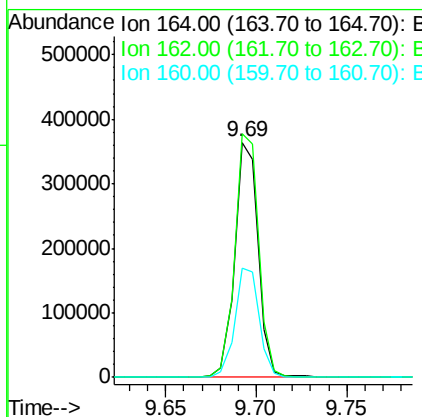
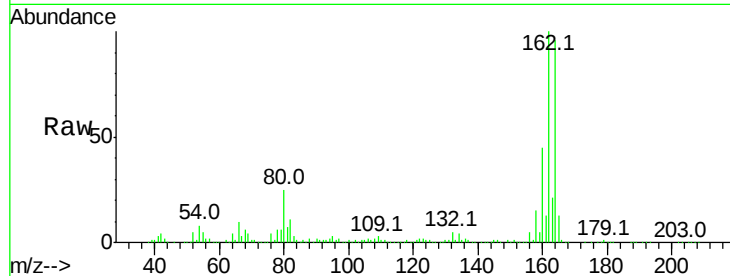
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.69 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BF098464.D
 Acq: 12 Sep 2017 21:42

Instrument :
 BNA_F
 ClientSampled :
 RL-9-0-15

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.6	82.6	123.8	
160	46.3	36.2	54.2	

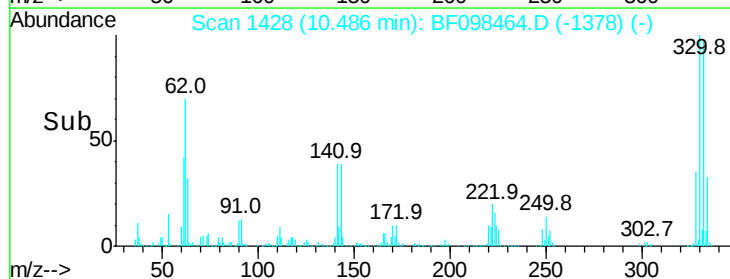
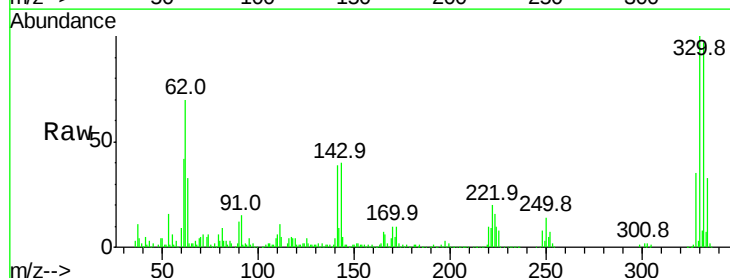
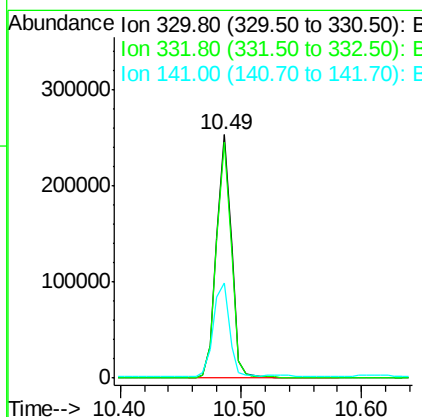
Manual Integrations
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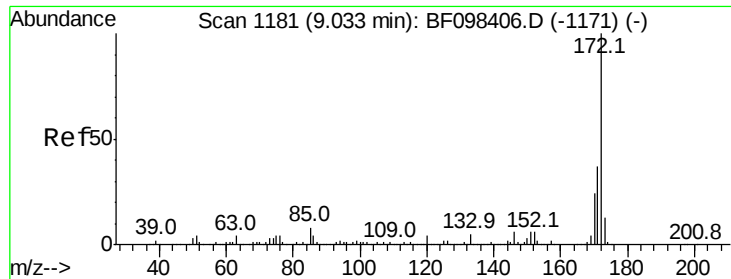
Sohil
 9/13/2017 5:00:14 PM



#41
 2,4,6-Tribromophenol
 Concen: 98.625 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BF098464.D
 Acq: 12 Sep 2017 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.5	76.6	115.0	
141	41.4	31.4	47.2	





#44

2-Fluorobiphenyl

Concen: 79.932 ng

RT: 9.02 min Scan# 1179

Delta R.T. -0.01 min

Lab File: BF098464.D

Acq: 12 Sep 2017 21:42

Instrument :

BNA_F

ClientSampleId :

RL-9-0-15

Tot Ion:172 Resp: 1542983

Ion Ratio Lower Upper

172 100

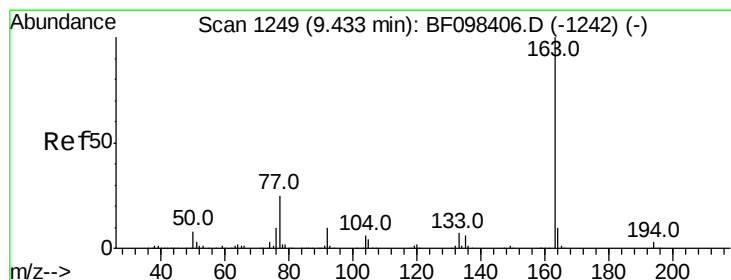
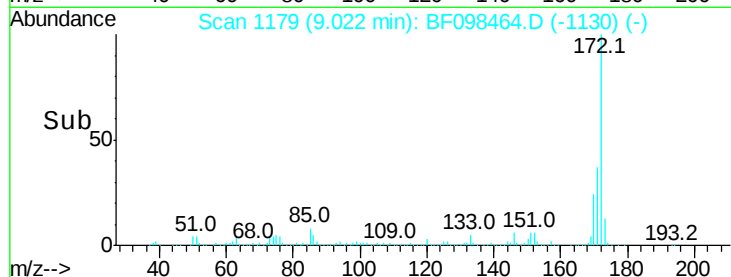
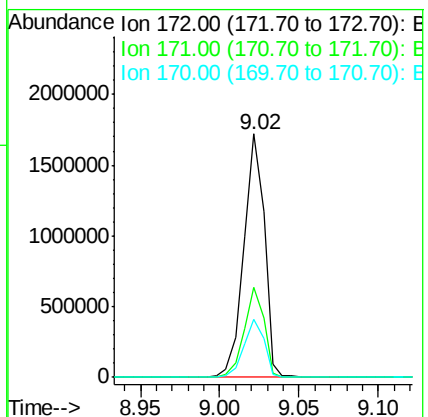
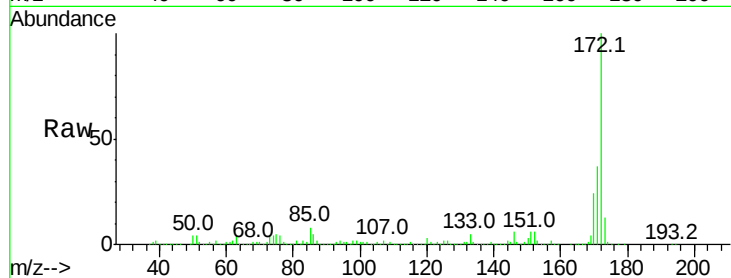
171 36.9 29.6 44.4

170 23.8 19.8 29.8

Manual Integrations
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#49

Dimethylphthalate

Concen: 9.418 ng

RT: 9.42 min Scan# 1246

Delta R.T. -0.02 min

Lab File: BF098464.D

Acq: 12 Sep 2017 21:42

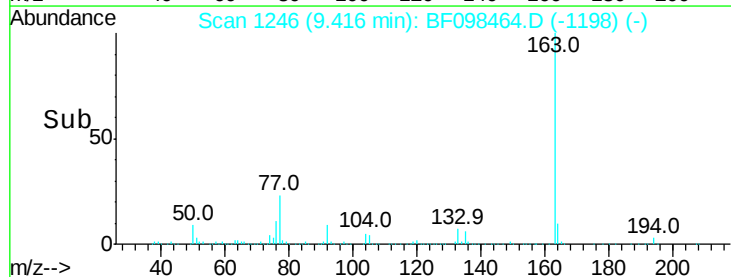
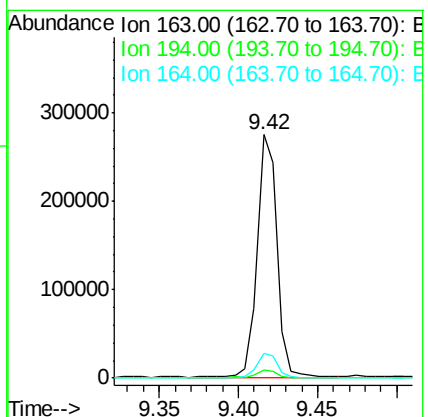
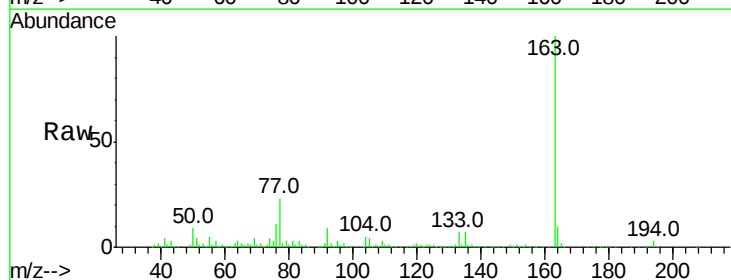
Tgt Ion:163 Resp: 238523

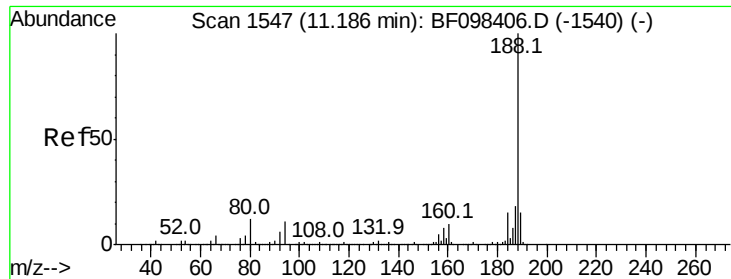
Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

164 10.0 8.4 12.6





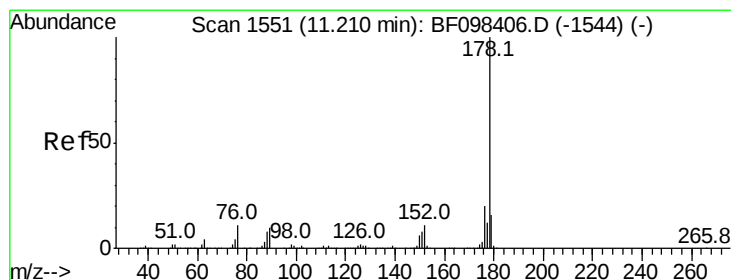
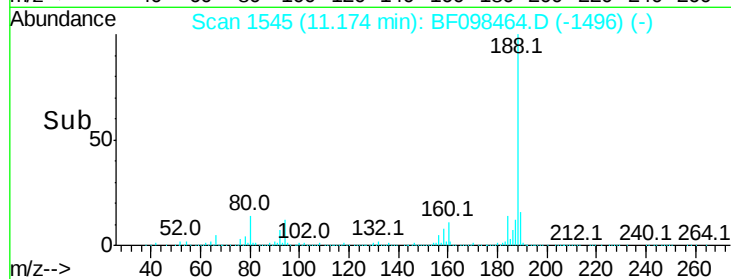
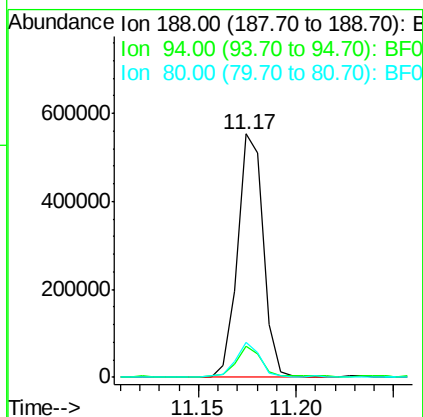
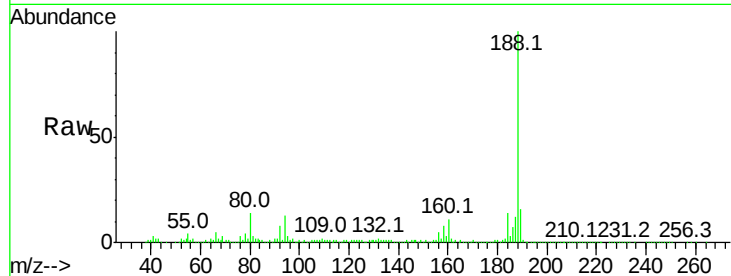
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.17 min Scan# 1545
Delta R.T. -0.01 min
Lab File: BF098464.D
Acq: 12 Sep 2017 21:42

Instrument :
BNA_F
ClientSampleId :
RL-9-0-15

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	12.6	9.4	14.2
80	14.4	10.2	15.2

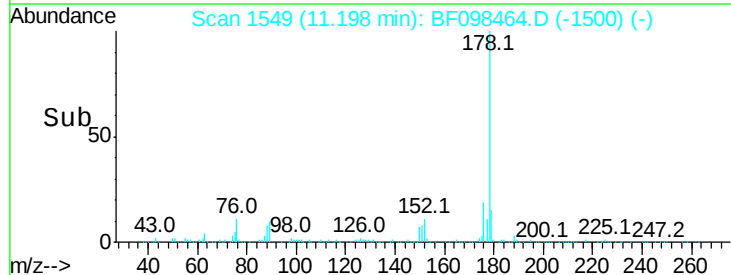
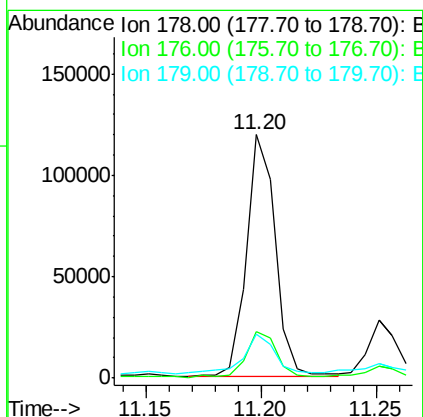
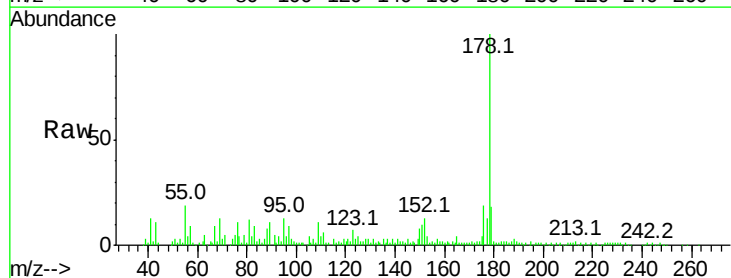
Manual Integrations
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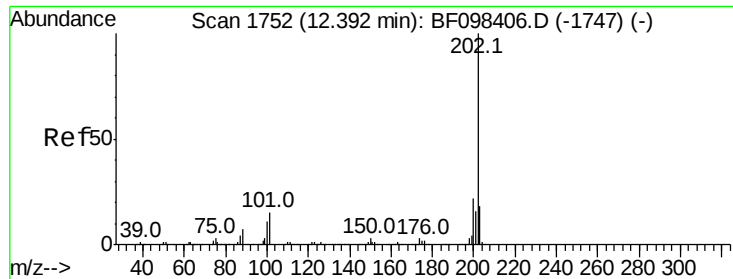
Sohil
9/13/2017 5:00:14 PM



#70
Phenanthrene
Concen: 3.912 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF098464.D
Acq: 12 Sep 2017 21:42

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.3	16.2	24.4
179	17.8	12.6	19.0





#74

Fluoranthene

Concen: 7.063 ng

RT: 12.39 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BF098464.D

Acq: 12 Sep 2017 21:42

Instrument :

BNA_F

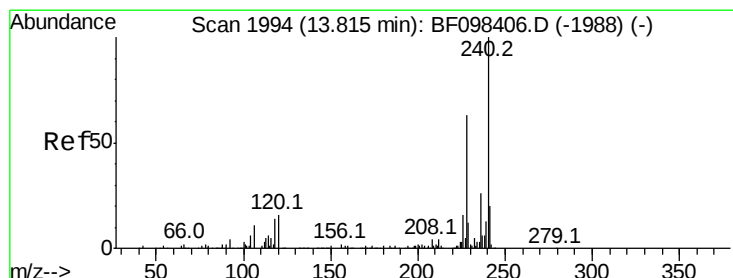
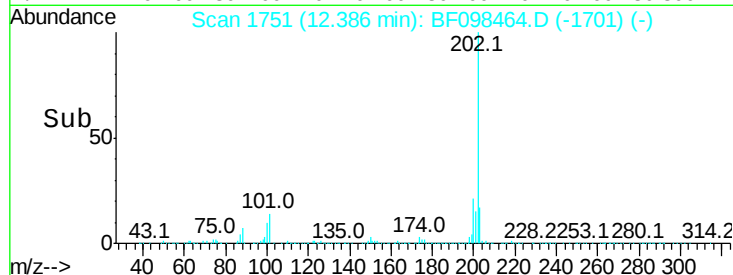
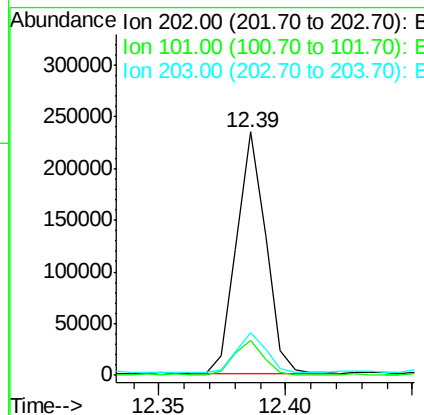
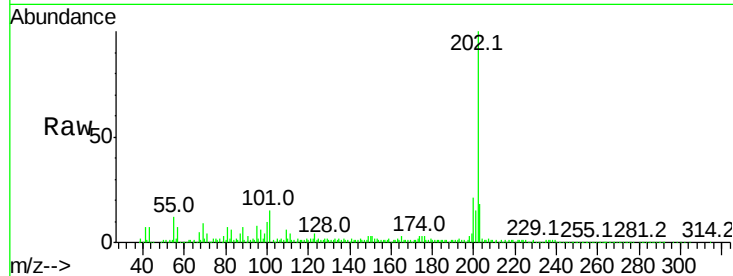
ClientSampleId :

RL-9-0-15

Tot Ion:	202	Resp:	188187
Ion Ratio	Lower	Upper	
202	100		
101	14.6	0.0	33.2
203	17.7	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

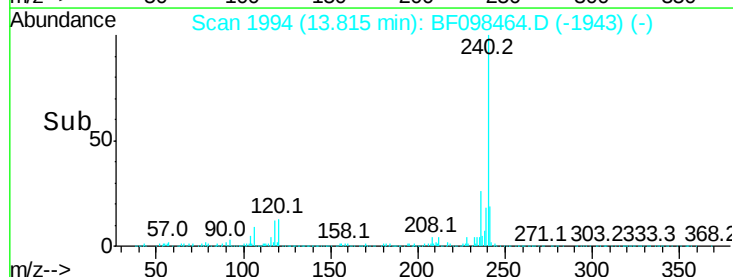
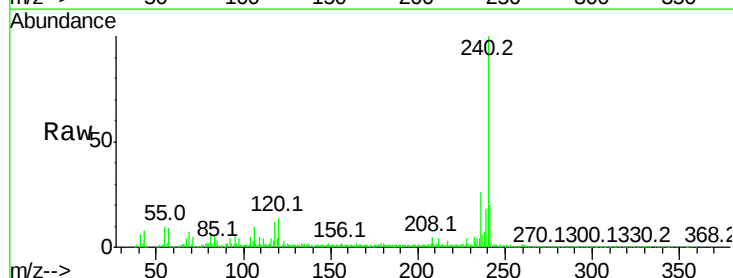
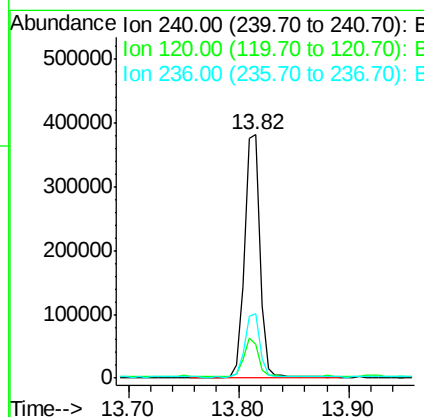
RT: 13.82 min Scan# 1994

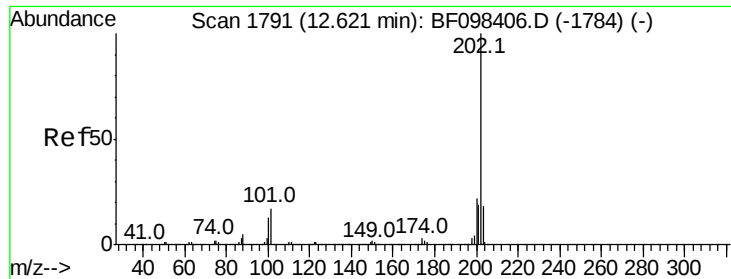
Delta R.T. 0.00 min

Lab File: BF098464.D

Acq: 12 Sep 2017 21:42

Tgt Ion:	240	Resp:	375729
Ion Ratio	Lower	Upper	
240	100		
120	13.8	5.8	8.8#
236	26.3	20.5	30.7





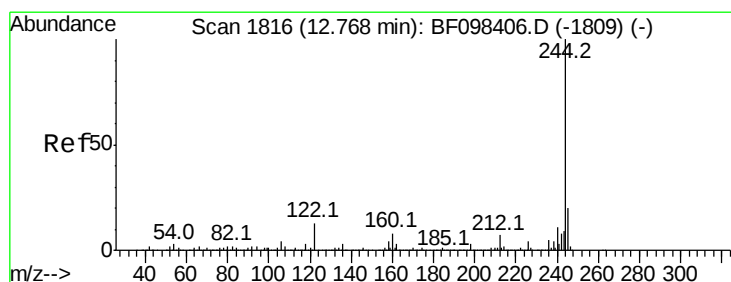
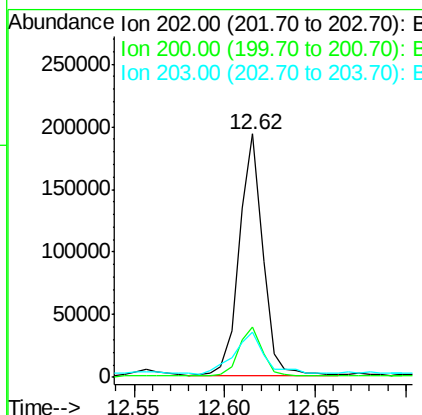
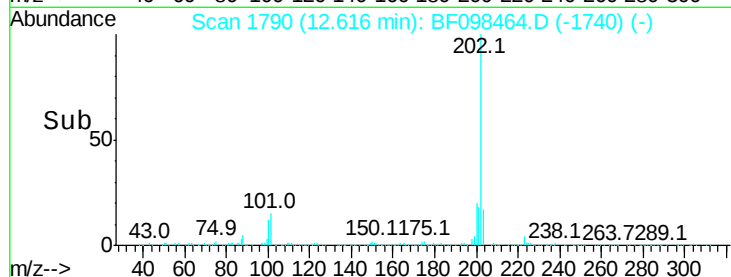
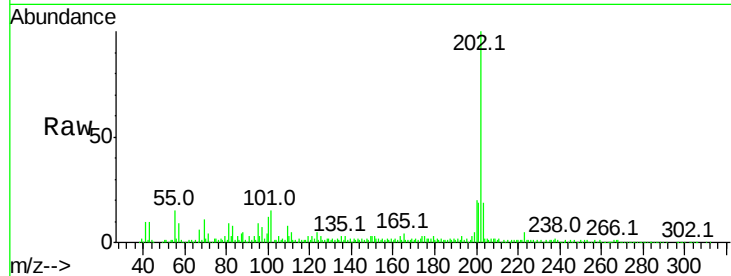
#77
Pvrene
Concen: 5.823 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.01 min
Lab File: BF098464.D
Acq: 12 Sep 2017 21:42

Instrument :
BNA_F
ClientSampled :
RL-9-0-15

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.5	17.6	26.4
203	18.6	14.4	21.6

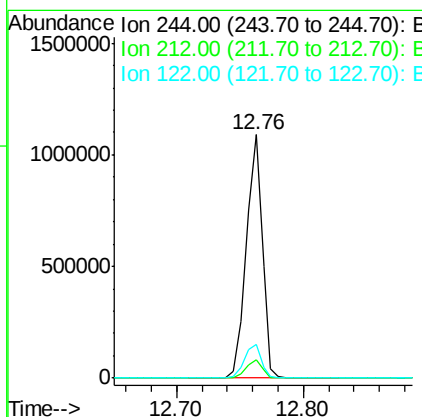
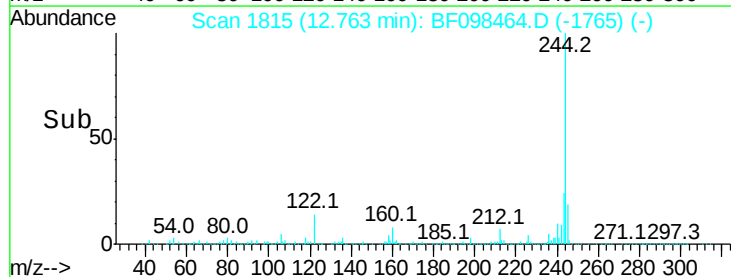
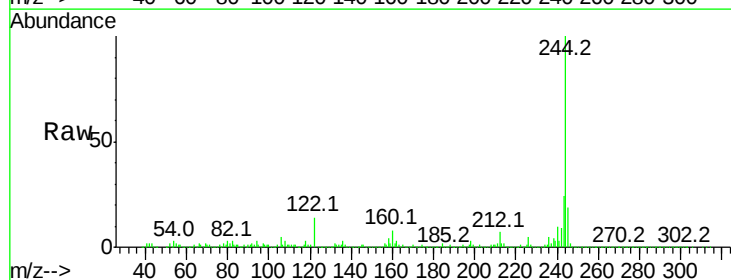
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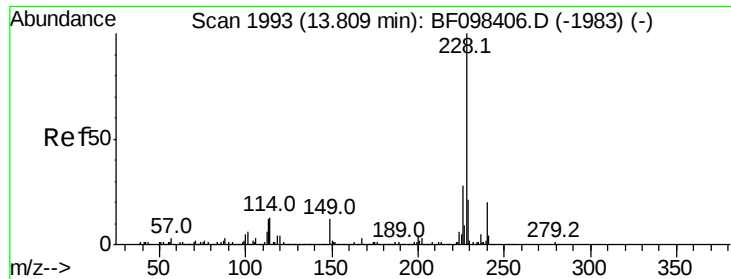
Sohil
9/13/2017 5:00:14 PM



#78
Terphenyl-d14
Concen: 54.484 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BF098464.D
Acq: 12 Sep 2017 21:42

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.3	6.0	9.0
122	13.7	10.3	15.5





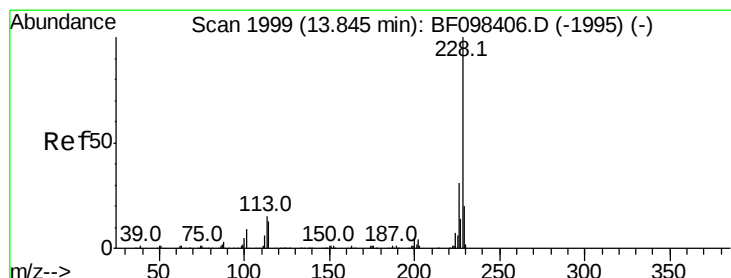
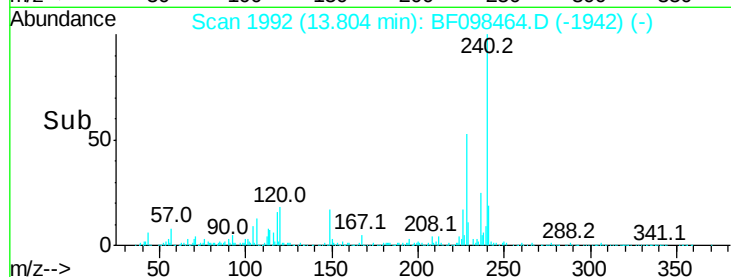
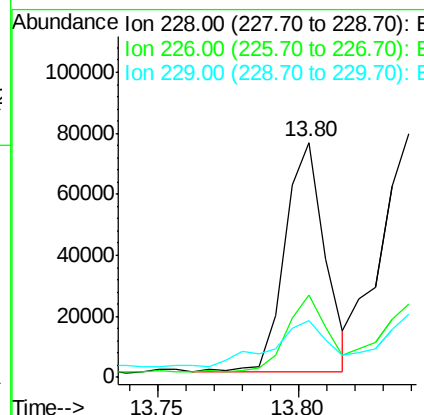
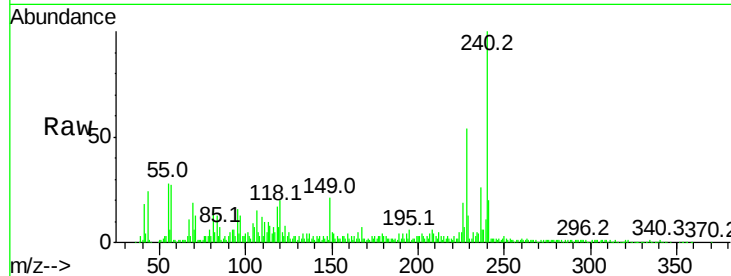
#80
Benzo(a)anthracene
Concen: 3.356 ng
RT: 13.80 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BF098464.D
Acq: 12 Sep 2017 21:42

Instrument :
BNA_F
ClientSampled :
RL-9-0-15

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.9	22.6	33.8#
229	23.9	16.3	24.5

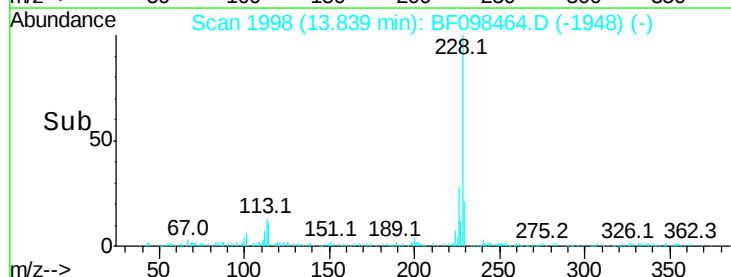
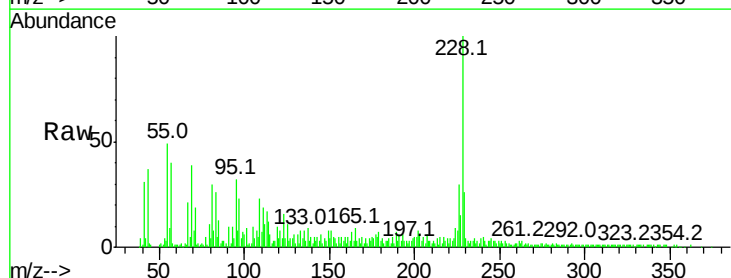
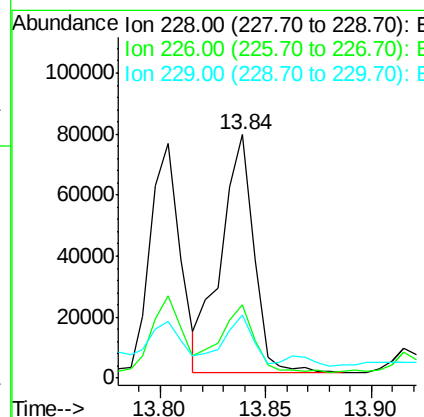
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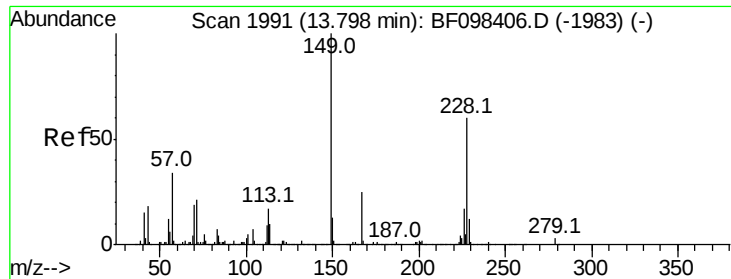
Sohil
9/13/2017 5:00:14 PM



#82
Chrysene
Concen: 3.799 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF098464.D
Acq: 12 Sep 2017 21:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	25.9	15.8	23.6#





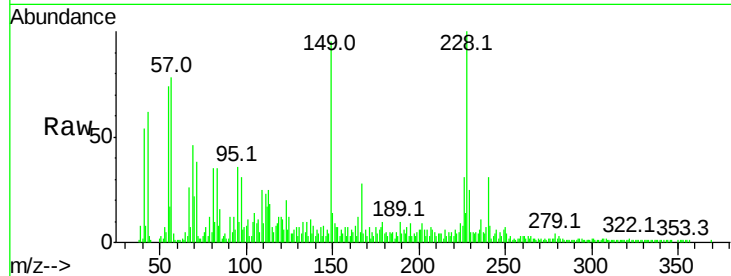
#83
Bis(2-ethylhexyl)phthalate
Concen: 3.058 ng
RT: 13.80 min Scan# 1991
Delta R.T. 0.00 min
Lab File: BF098464.D
Acq: 12 Sep 2017 21:42

Instrument :
BNA_F
ClientSampled :
RL-9-0-15

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	29.8	21.0	31.4	
279	4.0	1.9	2.9	

Manual Integrations
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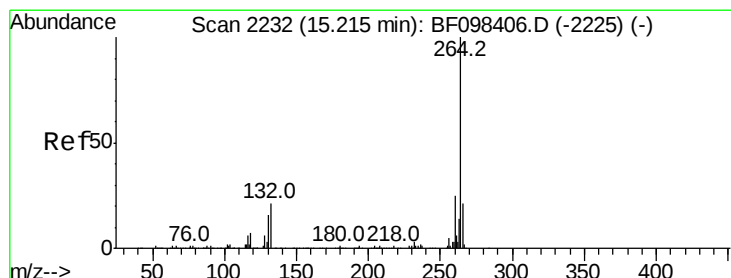
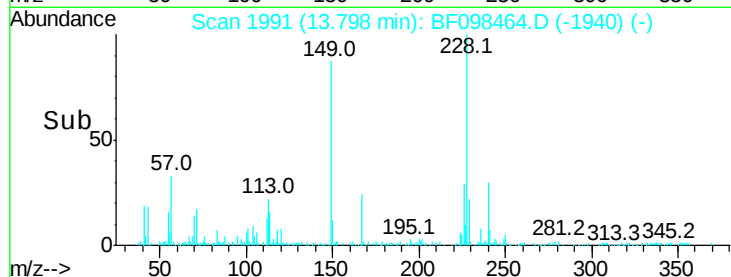
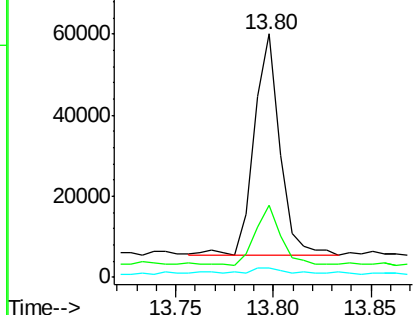


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.00 min
Lab File: BF098464.D
Acq: 12 Sep 2017 21:42

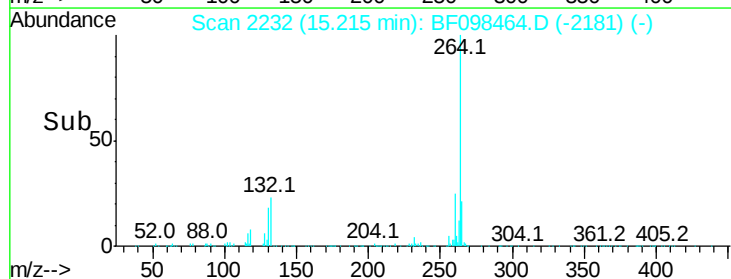
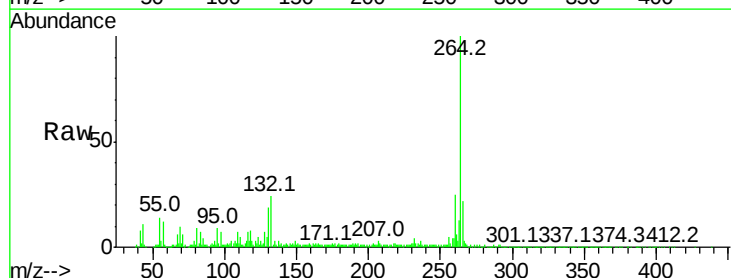
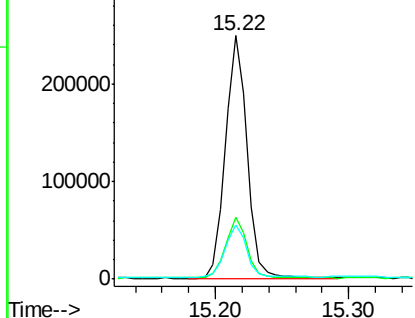
Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	25.3	19.5	29.3	
265	22.3	17.2	25.8	

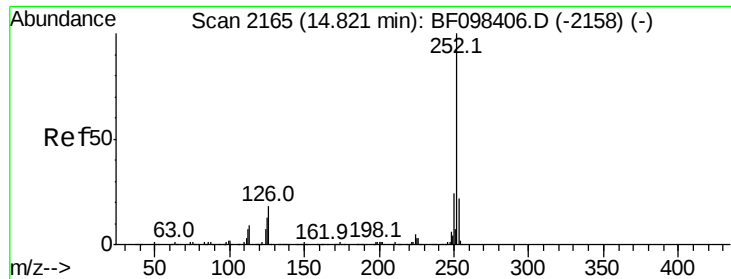
Abundance

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: 4.903 ng/mL

RT: 14.82 min Scan# 2165

Delta R.T. 0.00 min

Lab File: BF098464.D

Acq: 12 Sep 2017 21:42

Instrument :

BNA_F

ClientSampleId :

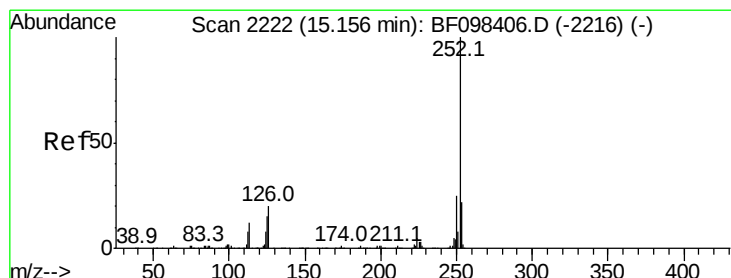
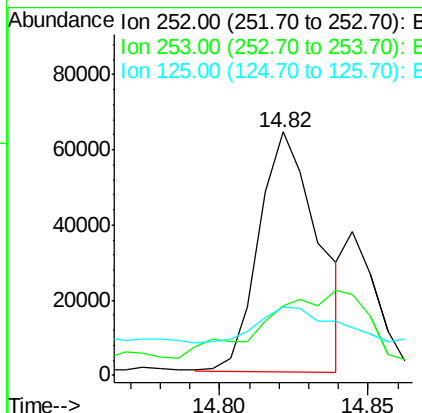
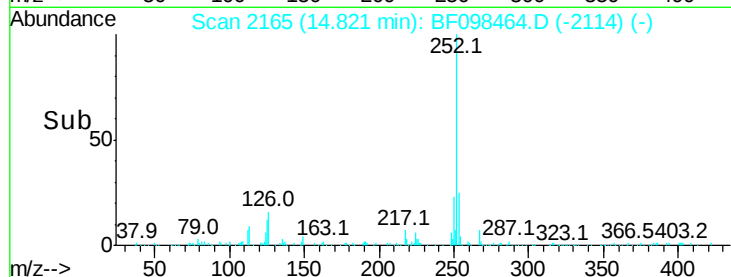
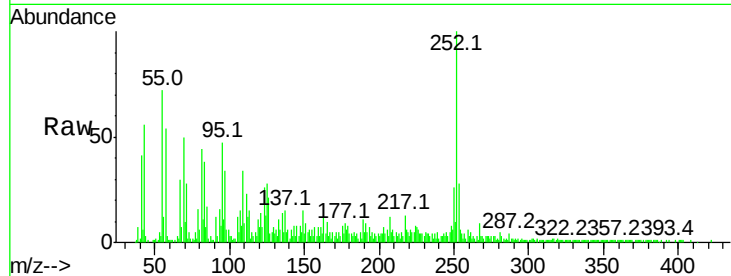
RL-9-0-15

Tot Ion:	252	Resp:	88304
Ion Ratio	Lower	Upper	
252	100		
253	28.3	18.1	27.1#
125	28.1	9.8	14.8#

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 3.556 ng/mL

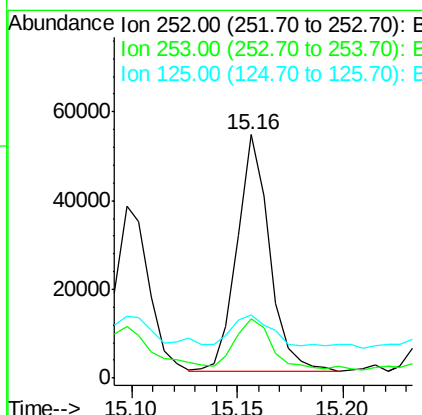
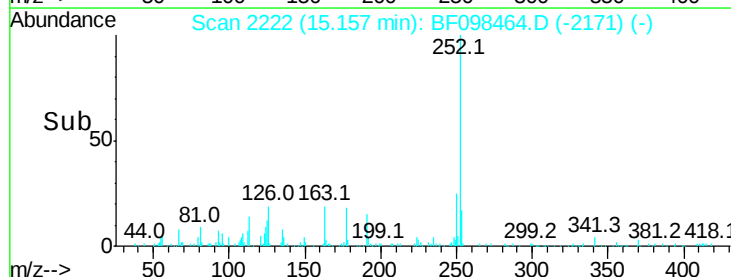
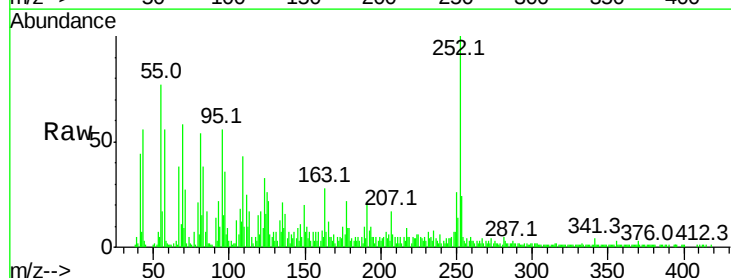
RT: 15.16 min Scan# 2222

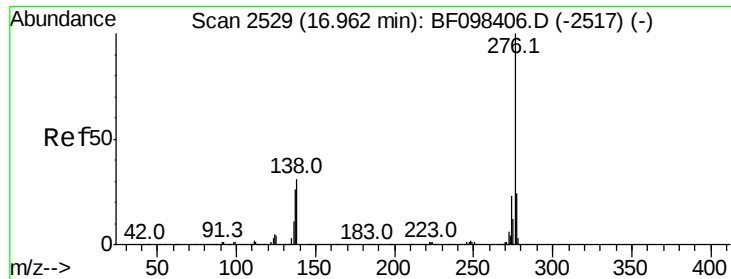
Delta R.T. 0.00 min

Lab File: BF098464.D

Acq: 12 Sep 2017 21:42

Tgt Ion:	252	Resp:	57063
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.5	26.3
125	26.0	11.0	16.4#





#91
 Benzo(a,h,i)perylene
 Concen: 2.505 ng
 RT: 16.96 min Scan# 2529
 Delta R.T. 0.00 min
 Lab File: BF098464.D
 Acq: 12 Sep 2017 21:42

Instrument :
 BNA_F
 ClientSampleId :
 RL-9-0-15

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.7	18.6	28.0
138	37.4	25.4	38.0

Manual Integrations
 APPROVED

Sohil
 9/13/2017 5:00:14 PM

