

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091317\
 Data File : BF098485.D
 Acq On : 13 Sep 2017 13:01
 Operator : SJ/JU
 Sample : I5140-19
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RL-13-16-32

Manual Integrations
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Sohil
 9/14/2017 5:52:17 PM

Quant Time: Sep 13 13:46:46 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	6.65	152	180443	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	743816	20.00	ng	-0.02
38) Acenaphthene-d10	9.69	164	327489	20.00	ng	-0.02
63) Phenanthrene-d10	11.17	188	627168	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	421250	20.00	ng	-0.02
86) Perylene-d12	15.20	264	338167	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	1402121	114.89	ng	0.00
7) Phenol-d6	6.30	99	1708310	110.25	ng	-0.02
23) Nitrobenzene-d5	7.22	82	979737	73.43	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	284777	130.29	ng	-0.02
44) 2-Fluorobiphenyl	9.01	172	1291112	66.82	ng	-0.02
78) Terphenyl-d14	12.75	244	982966	50.37	ng	-0.02
Target Compounds						
10) Phenol	6.32	94	62112	3.451	ng	97
20) 3+4-Methylphenols	7.08	107	91259	6.608	ng	# 57
31) Naphthalene	7.96	128	157817	4.292	ng	99
49) Dimethylphthalate	9.41	163	199287	7.861	ng	98
70) Phenanthrene	11.19	178	316003	9.504	ng	98
74) Fluoranthene	12.37	202	353095	10.609	ng	99
77) Pyrene	12.60	202	307916	9.266	ng	99
80) Benzo(a)anthracene	13.79	228	114528	4.637	ng	96
82) Chrysene	13.82	228	116207	4.655	ng	97
85) Indeno(1,2,3-cd)pyrene	16.53	276	45266	2.584	ng	95
87) Benzo(b)fluoranthene	14.80	252	109597m	5.154	ng	
89) Benzo(a)pyrene	15.14	252	78031	4.119	ng	# 96
91) Benzo(a,h,i)perylene	16.93	276	48395	3.492	ng	99

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

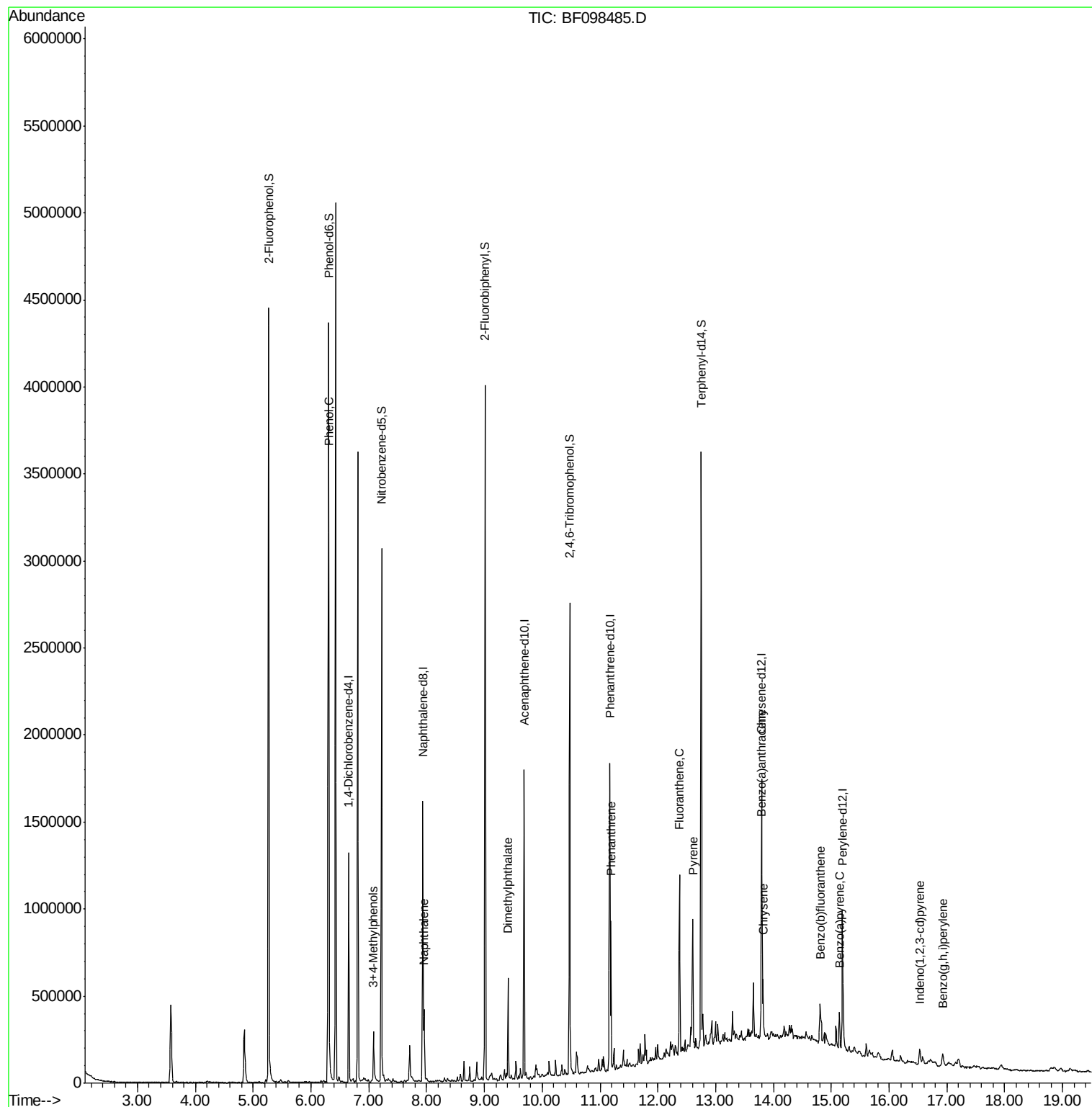
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091317\
Data File : BF098485.D
Acq On : 13 Sep 2017 13:01
Operator : SJ/JU
Sample : I5140-19
Misc :
ALS Vial : 5 Sample Multiplier: 1

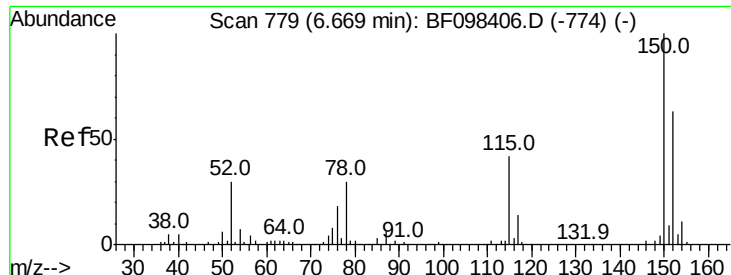
Instrument :
BNA_F
ClientSampleId :
RL-13-16-32

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9/14/2017 5:52:17 PM

Quant Time: Sep 13 13:46:46 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
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#1

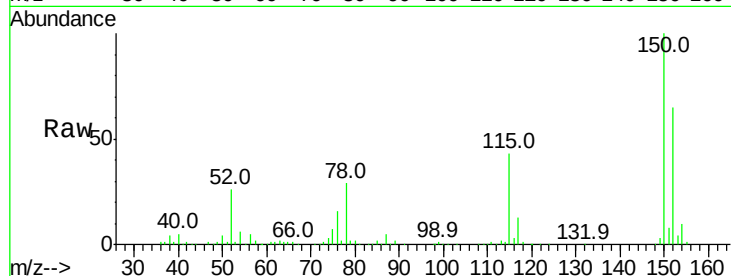
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.65 min Scan# 776
 Delta R.T. -0.02 min
 Lab File: BF098485.D
 Acq: 13 Sep 2017 13:01

Instrument :
 BNA_F
 ClientSampleId :
 RL-13-16-32

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	126.2	189.2
115	66.0	52.2	78.2

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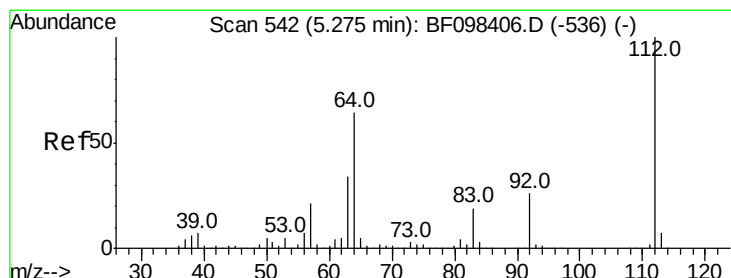
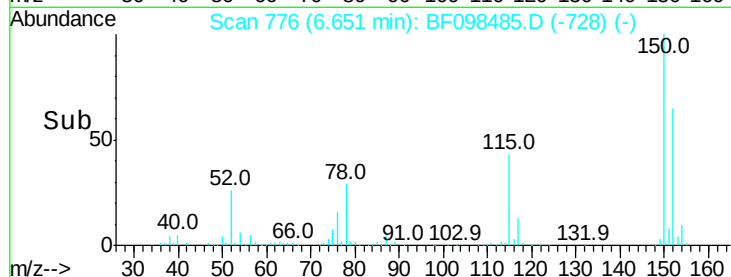
Abundance

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

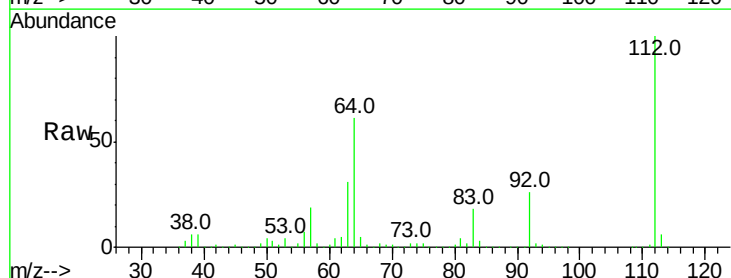
Time-->



#5

2-Fluorophenol
 Concen: 114.888 ng
 RT: 5.27 min Scan# 541
 Delta R.T. -0.00 min
 Lab File: BF098485.D
 Acq: 13 Sep 2017 13:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	46.0	69.0
63	31.2	23.4	35.0



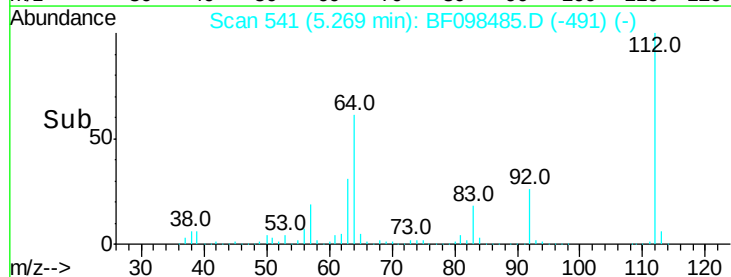
Abundance

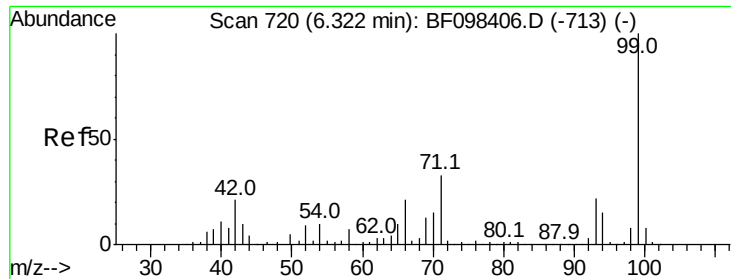
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->





#7

Phenol-d6

Concen: 110.247 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.02 min

Lab File: BF098485.D

Acq: 13 Sep 2017 13:01

Instrument :

BNA_F

ClientSampleId :

RL-13-16-32

Tot Ion: 99 Resp: 1708310

Ion Ratio Lower Upper

99 100

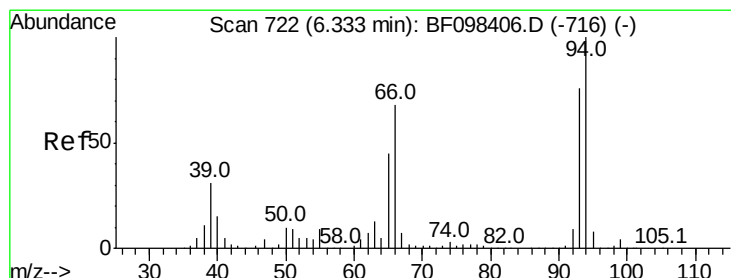
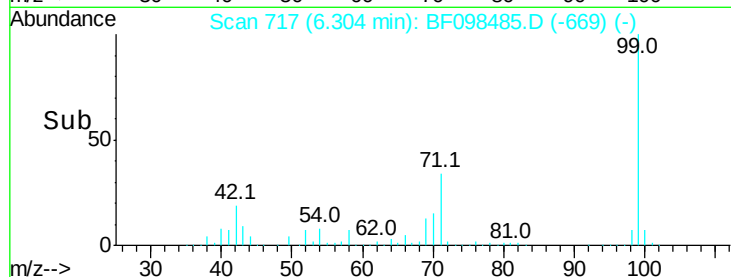
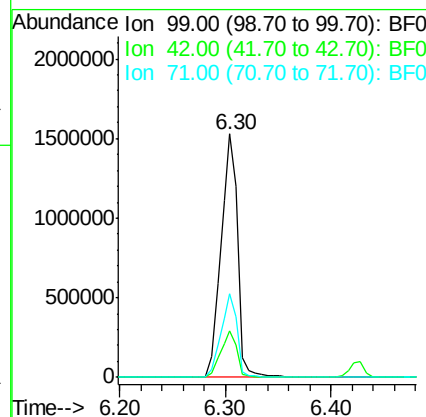
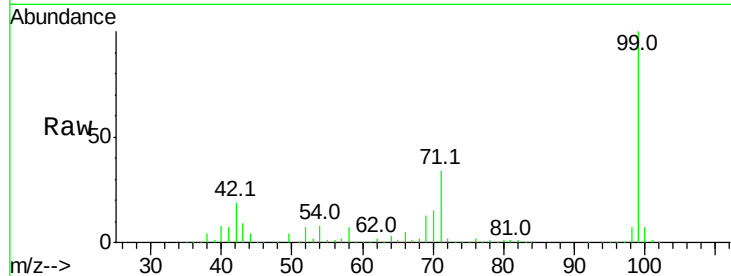
42 18.9 13.5 20.3

71 34.4 24.5 36.7

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#10

Phenol

Concen: 3.451 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.02 min

Lab File: BF098485.D

Acq: 13 Sep 2017 13:01

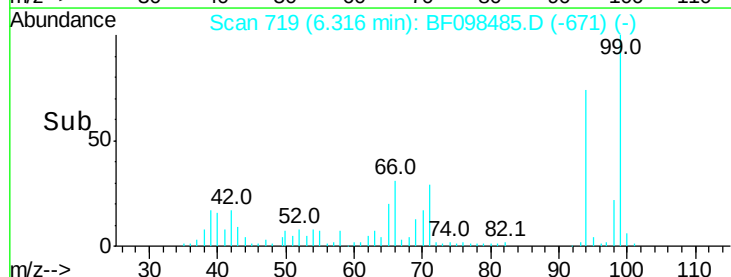
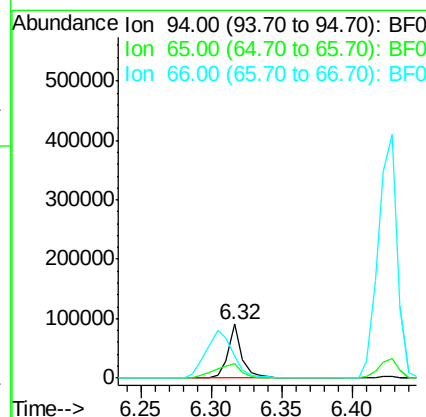
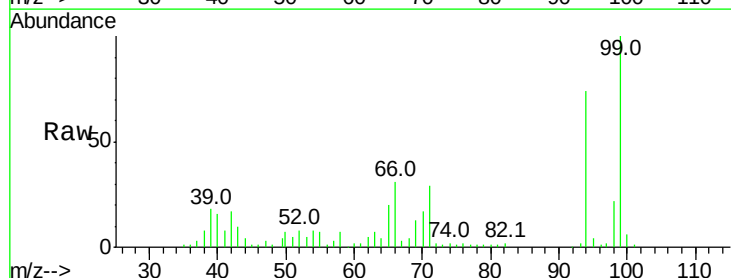
Tgt Ion: 94 Resp: 62112

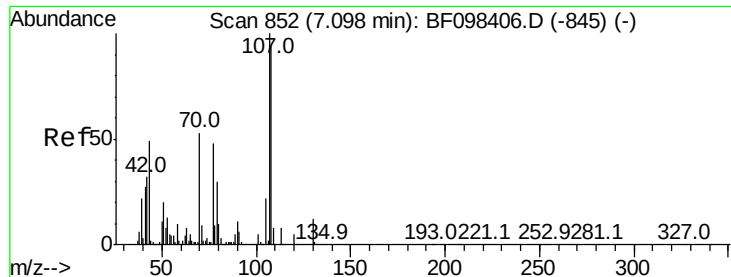
Ion Ratio Lower Upper

94 100

65 27.3 9.9 49.9

66 42.1 23.1 63.1





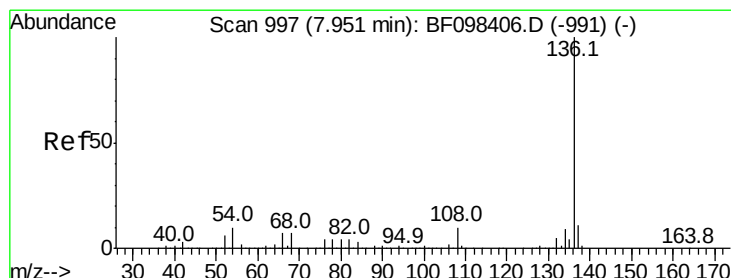
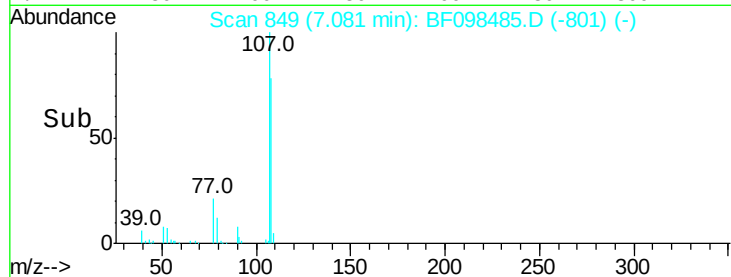
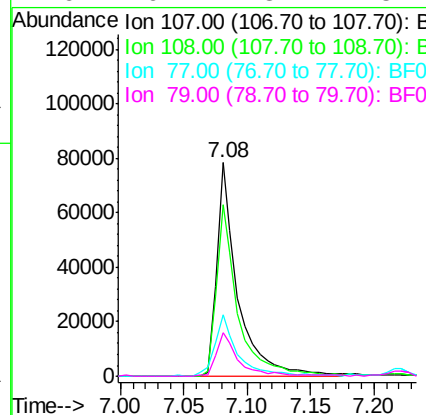
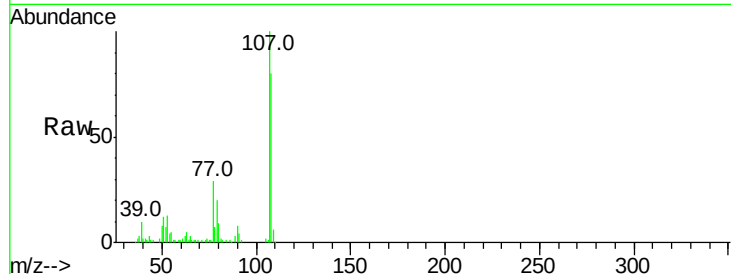
#20
3+4-Methylphenols
Concen: 6.608 ng
RT: 7.08 min Scan# 849
Delta R.T. -0.02 min
Lab File: BF098485.D
Acq: 13 Sep 2017 13:01

Instrument :
BNA_F
ClientSampleId :
RL-13-16-32

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100			
108	108	80.3	71.0	111.0	
77	77	29.0	90.5	130.5	#
79	79	20.2	8.4	48.4	

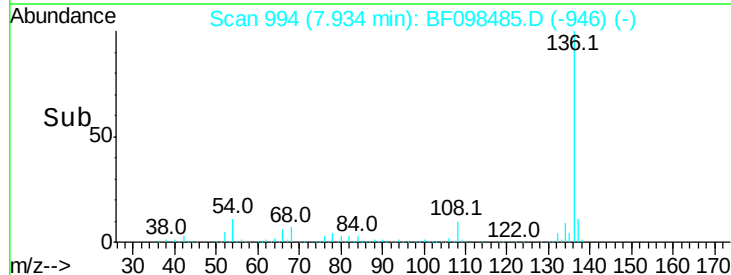
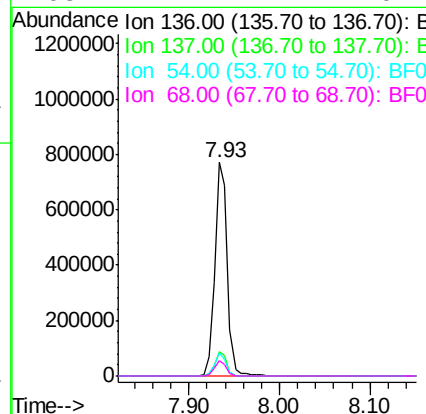
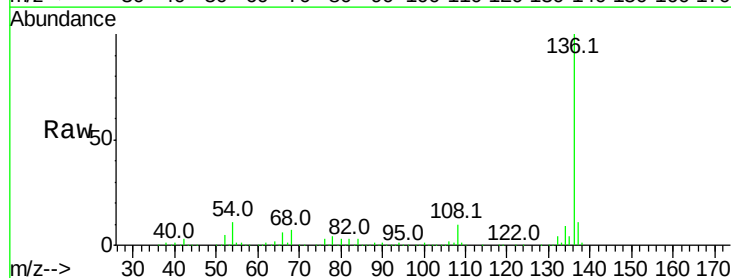
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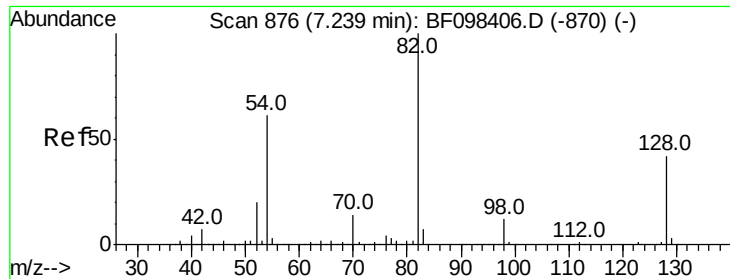
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 994
Delta R.T. -0.02 min
Lab File: BF098485.D
Acq: 13 Sep 2017 13:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	136	100			
137	137	11.2	8.5	12.7	
54	54	10.6	4.9	7.3	#
68	68	7.1	4.1	6.1	#





#23

Nitrobenzene-d5

Concen: 73.432 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.02 min

Lab File: BF098485.D

Acq: 13 Sep 2017 13:01

Instrument :

BNA_F

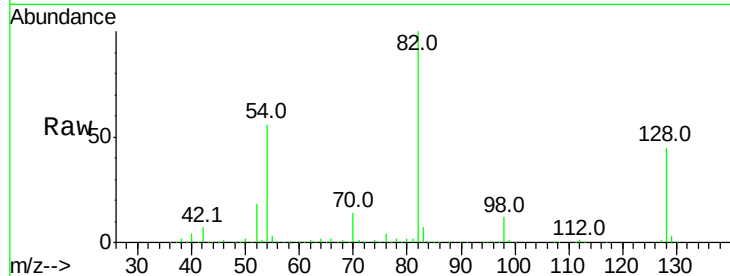
ClientSampled :

RL-13-16-32

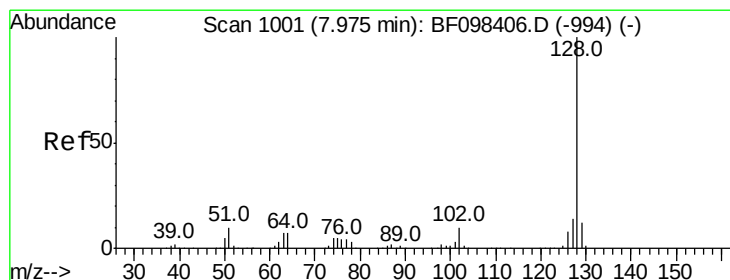
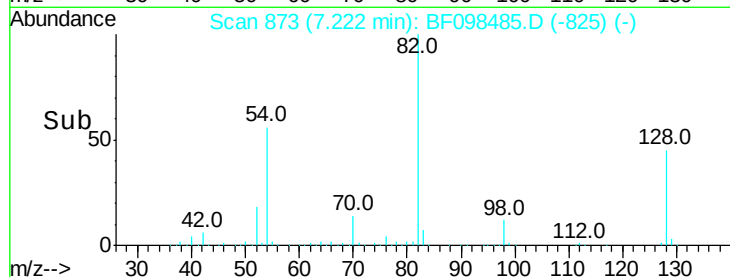
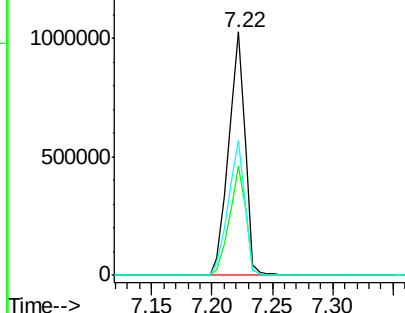
Tot Ion:	82	Resp:	979737
Ion Ratio	Lower	Upper	
82	100		
128	44.9	34.0	51.0
54	55.6	42.2	63.2

Manual Integrations
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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#31

Naphthalene

Concen: 4.292 ng

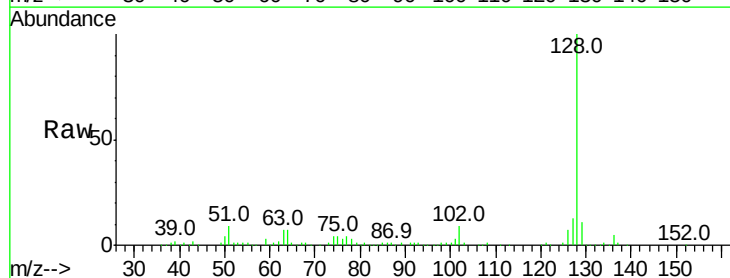
RT: 7.96 min Scan# 998

Delta R.T. -0.02 min

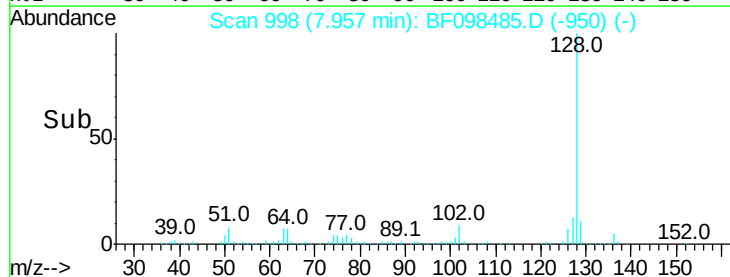
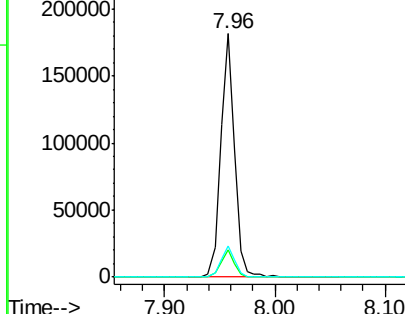
Lab File: BF098485.D

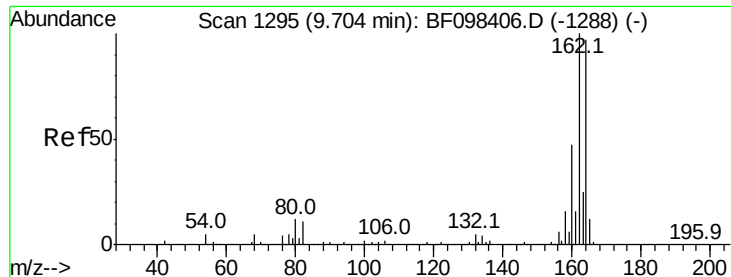
Acq: 13 Sep 2017 13:01

Tgt Ion:	128	Resp:	157817
Ion Ratio	Lower	Upper	
128	100		
129	11.2	9.0	13.6
127	12.7	10.8	16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





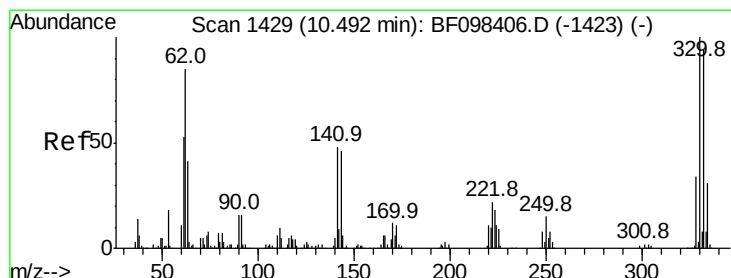
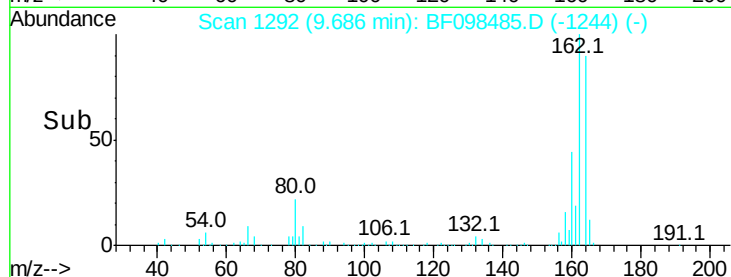
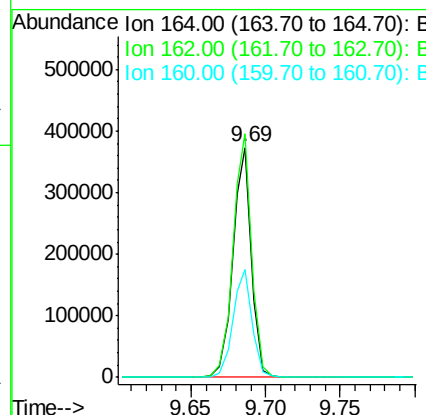
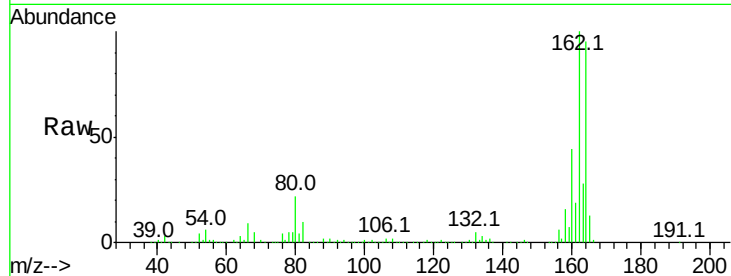
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.02 min
 Lab File: BF098485.D
 Acq: 13 Sep 2017 13:01

Instrument :
 BNA_F
 ClientSampled :
 RL-13-16-32

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.8	82.6	123.8	
160	46.9	36.2	54.2	

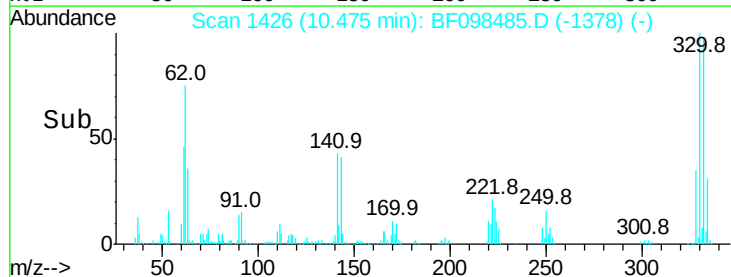
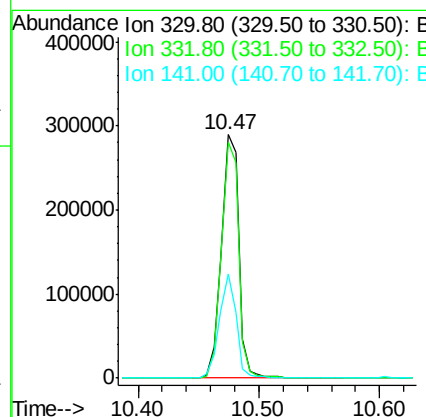
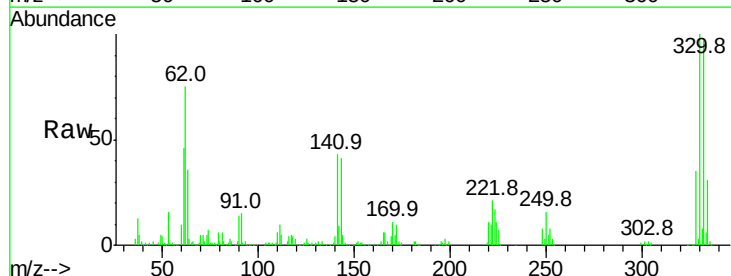
Manual Integrations
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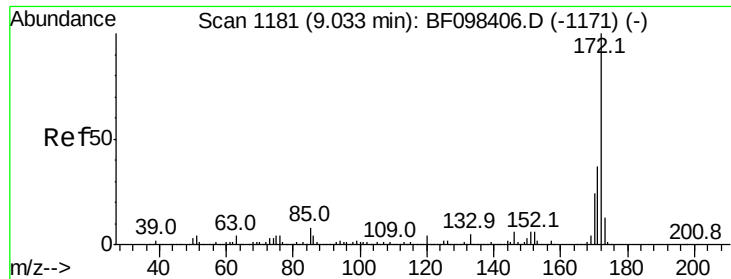
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#41
 2,4,6-Tribromophenol
 Concen: 130.290 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.02 min
 Lab File: BF098485.D
 Acq: 13 Sep 2017 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.7	76.6	115.0	
141	41.4	31.4	47.2	





#44

2-Fluorobiphenyl

Concen: 66.821 ng

RT: 9.01 min Scan# 1177

Delta R.T. -0.02 min

Lab File: BF098485.D

Acq: 13 Sep 2017 13:01

Instrument :

BNA_F

ClientSampleId :

RL-13-16-32

Tot Ion:172 Resp: 1291112

Ion Ratio Lower Upper

172 100

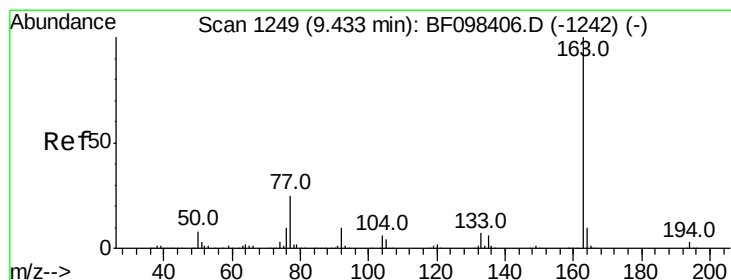
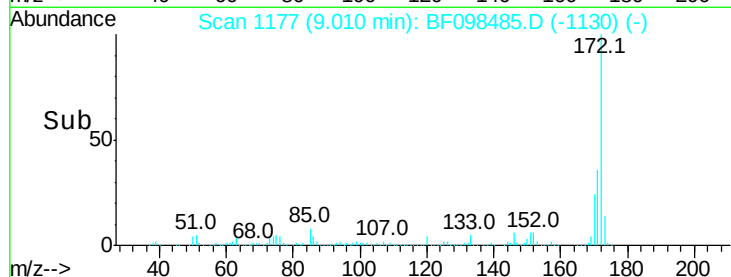
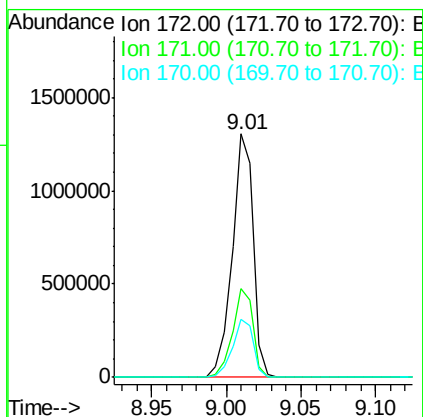
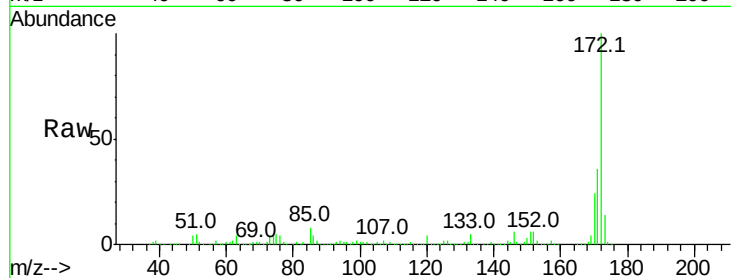
171 36.3 29.6 44.4

170 23.7 19.8 29.8

Manual Integrations
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#49

Dimethylphthalate

Concen: 7.861 ng

RT: 9.41 min Scan# 1245

Delta R.T. -0.02 min

Lab File: BF098485.D

Acq: 13 Sep 2017 13:01

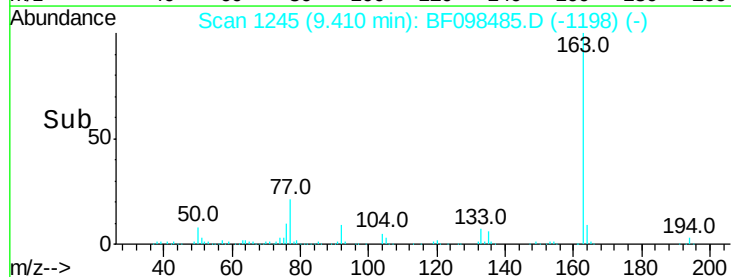
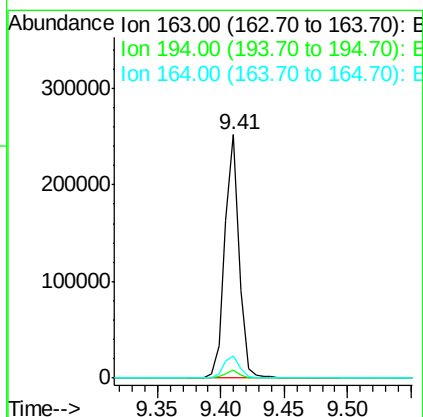
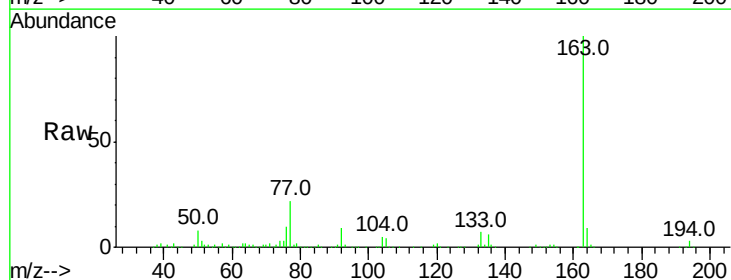
Tgt Ion:163 Resp: 199287

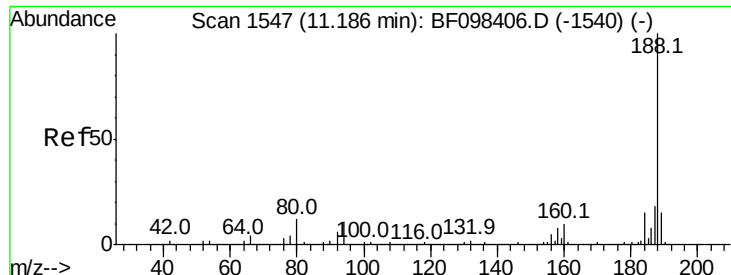
Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

164 9.4 8.4 12.6





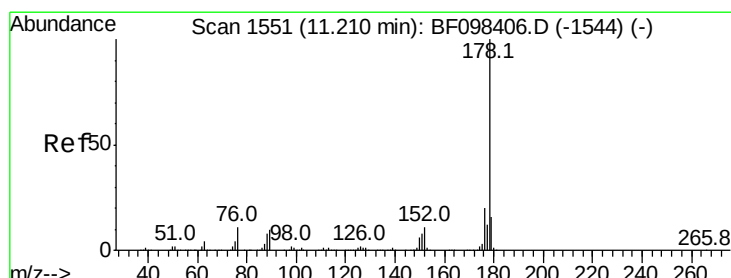
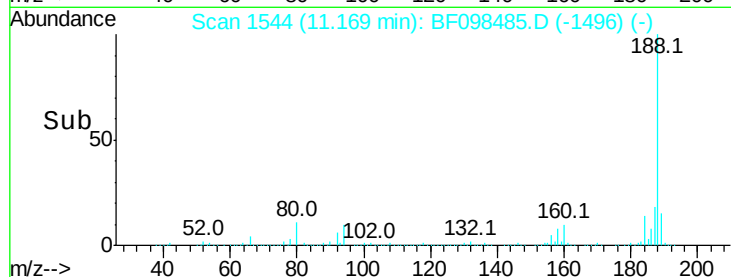
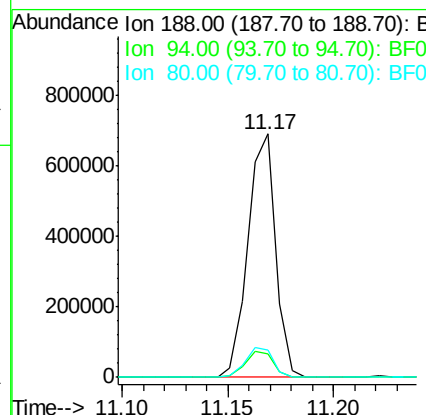
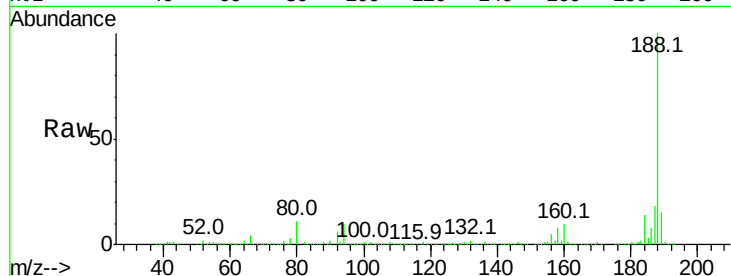
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.17 min Scan# 1544
Delta R.T. -0.02 min
Lab File: BF098485.D
Acq: 13 Sep 2017 13:01

Instrument :
BNA_F
ClientSampleId :
RL-13-16-32

Tot Ion	Ratio	Resp	Lower	Upper
188	100	627168		
94	9.6		9.4	14.2
80	11.2		10.2	15.2

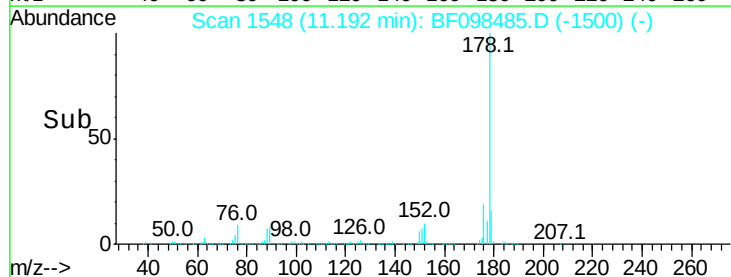
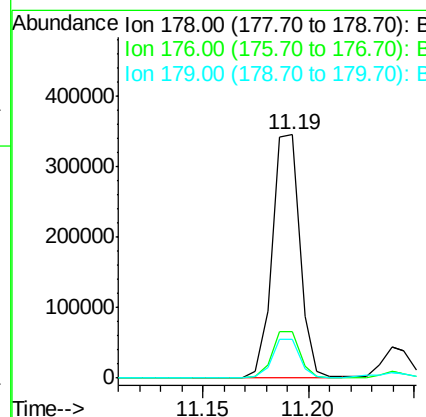
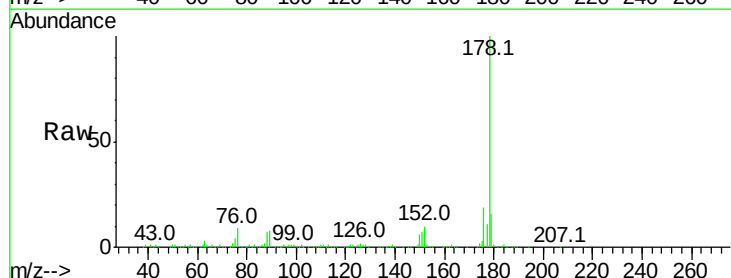
Manual Integrations
APPROVED

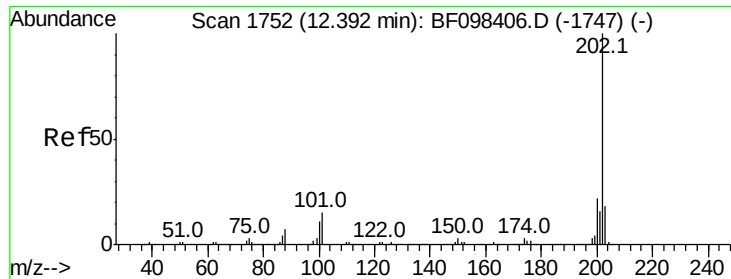
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#70
Phenanthrene
Concen: 9.504 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.02 min
Lab File: BF098485.D
Acq: 13 Sep 2017 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	316003		
176	18.9		16.2	24.4
179	15.7		12.6	19.0





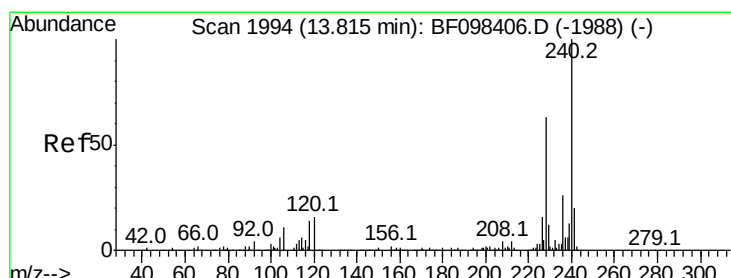
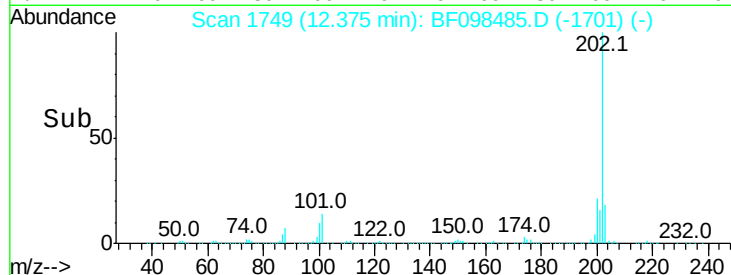
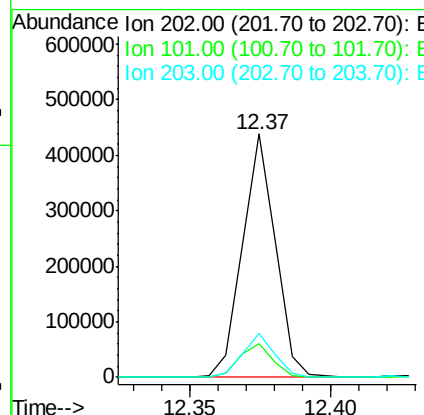
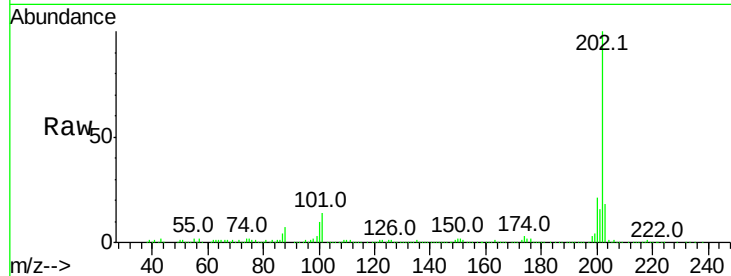
#74
Fluoranthene
Concen: 10.609 ng
RT: 12.37 min Scan# 1749
Delta R.T. -0.02 min
Lab File: BF098485.D
Acq: 13 Sep 2017 13:01

Instrument :
BNA_F
ClientSampleId :
RL-13-16-32

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.7	0.0	33.2
203	17.9	0.0	38.1

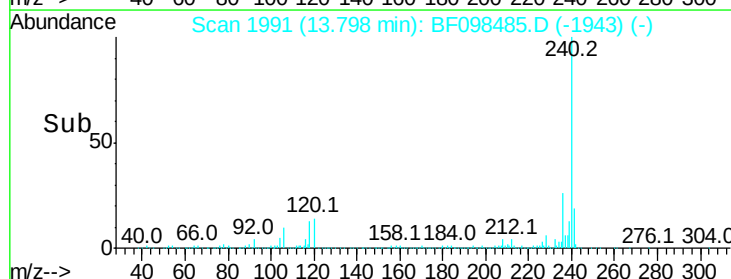
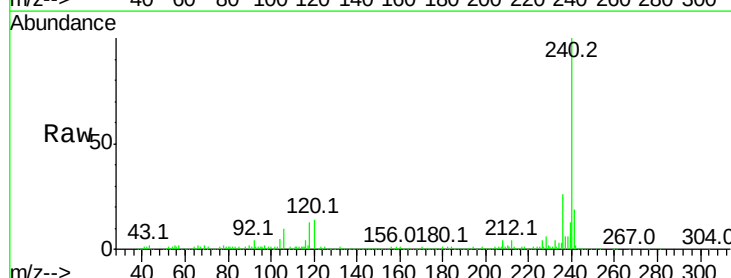
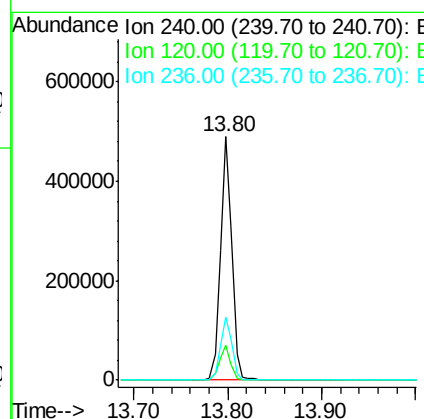
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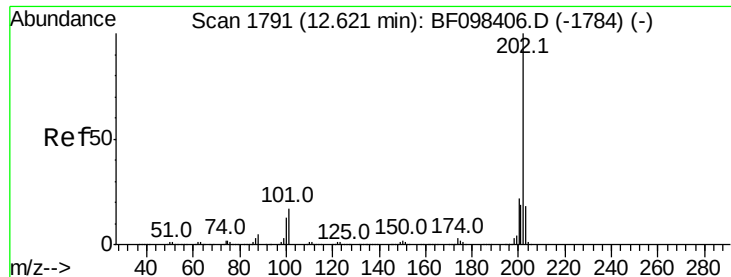
Sohil
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.80 min Scan# 1991
Delta R.T. -0.02 min
Lab File: BF098485.D
Acq: 13 Sep 2017 13:01

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.1	5.8	8.8#
236	25.9	20.5	30.7





#77

Pvrene

Concen: 9.266 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.02 min

Lab File: BF098485.D

Acq: 13 Sep 2017 13:01

Instrument :

BNA_F

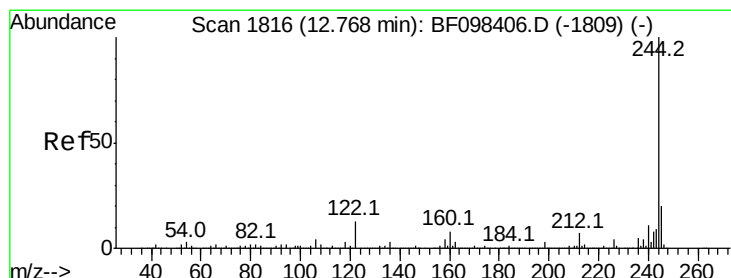
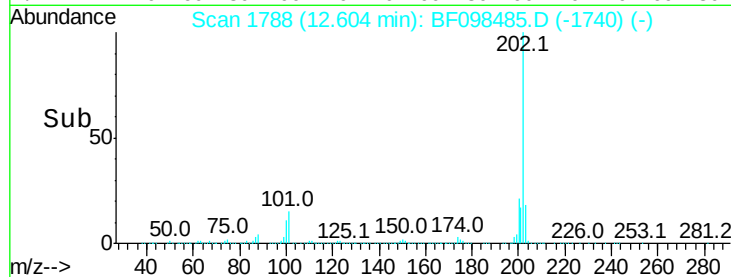
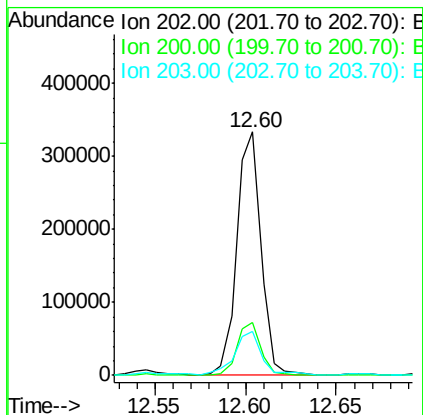
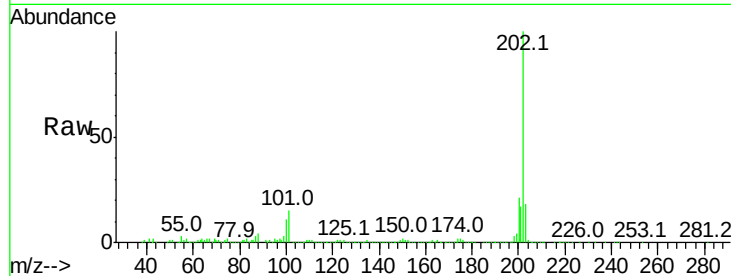
ClientSampleId :

RL-13-16-32

Tot Ion:	202	Resp:	307916
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.6	26.4
203	17.9	14.4	21.6

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#78

Terphenyl-d14

Concen: 50.367 ng

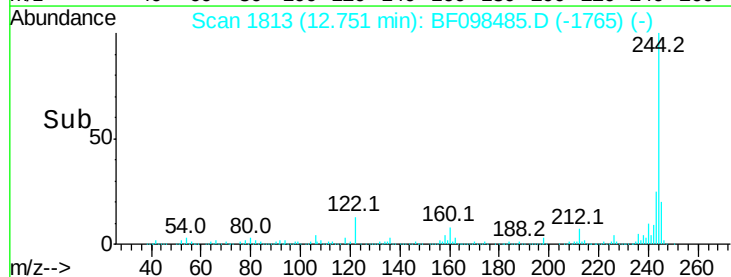
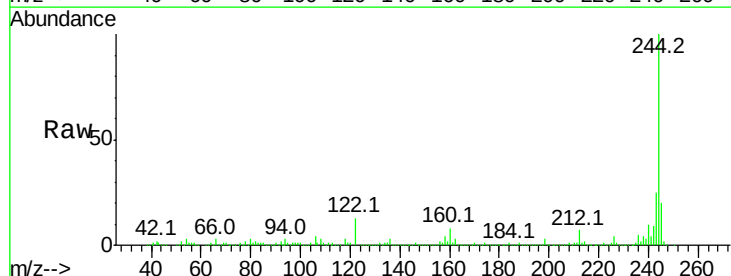
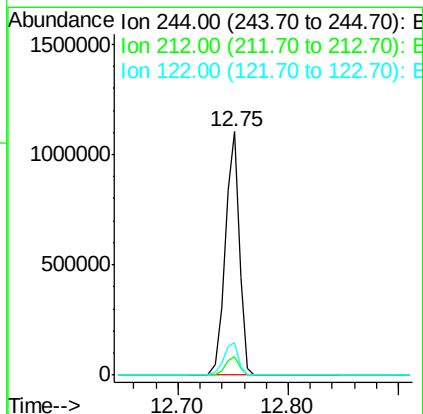
RT: 12.75 min Scan# 1813

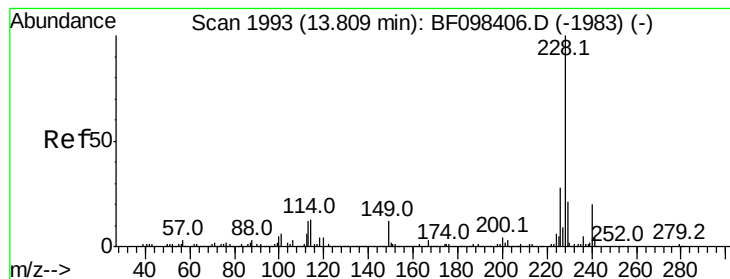
Delta R.T. -0.02 min

Lab File: BF098485.D

Acq: 13 Sep 2017 13:01

Tgt Ion:	244	Resp:	982966
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.0	9.0
122	13.1	10.3	15.5





#80

Benzo(a)anthracene

Concen: 4.637 ng

RT: 13.79 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BF098485.D

Acq: 13 Sep 2017 13:01

Instrument :

BNA_F

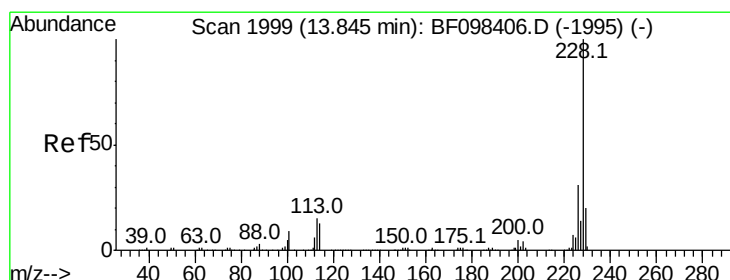
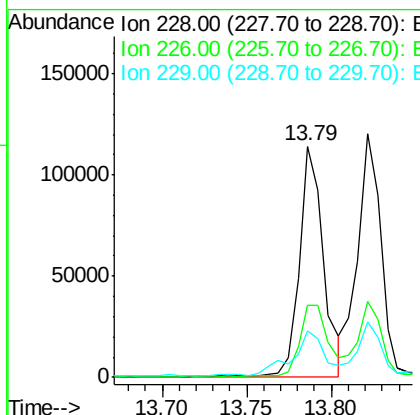
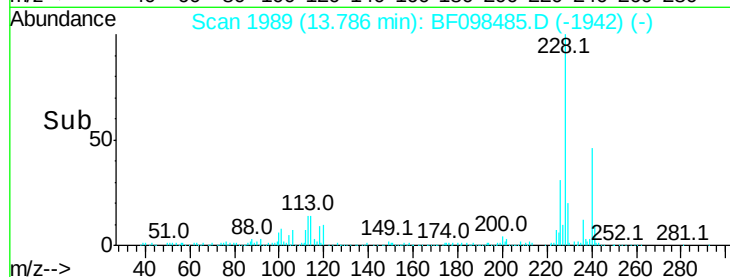
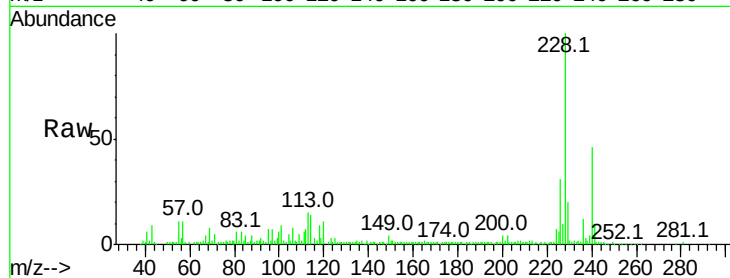
ClientSampleId :

RL-13-16-32

Tot Ion:	228	Resp:	114528
Ion Ratio	Lower	Upper	
228	100		
226	31.2	22.6	33.8
229	20.2	16.3	24.5

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#82

Chrysene

Concen: 4.655 ng

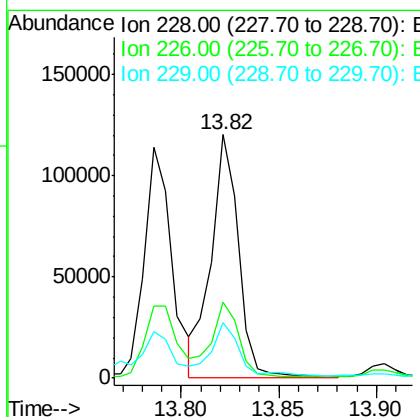
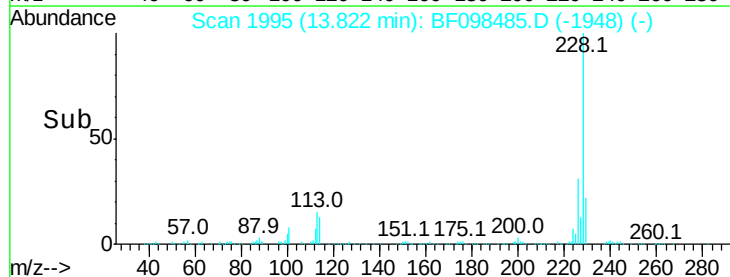
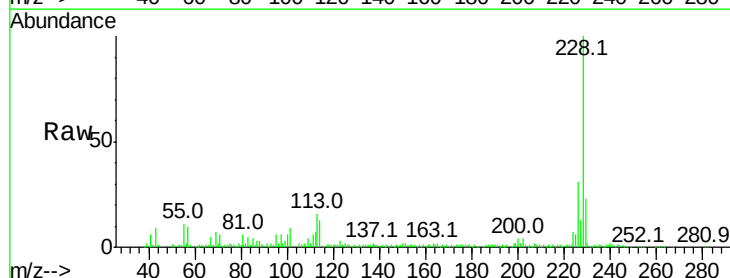
RT: 13.82 min Scan# 1995

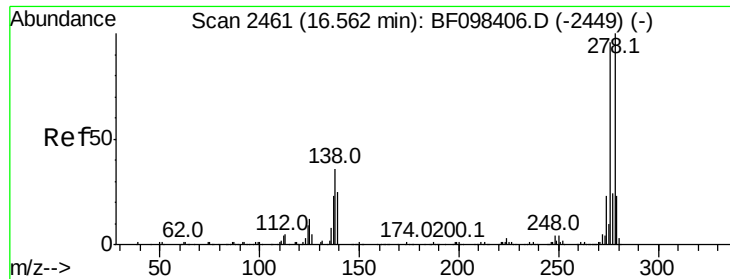
Delta R.T. -0.02 min

Lab File: BF098485.D

Acq: 13 Sep 2017 13:01

Tgt Ion:	228	Resp:	116207
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.9	37.3
229	23.0	15.8	23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.584 ng

RT: 16.53 min Scan# 2455

Delta R.T. -0.04 min

Lab File: BF098485.D

Acq: 13 Sep 2017 13:01

Instrument :

BNA_F

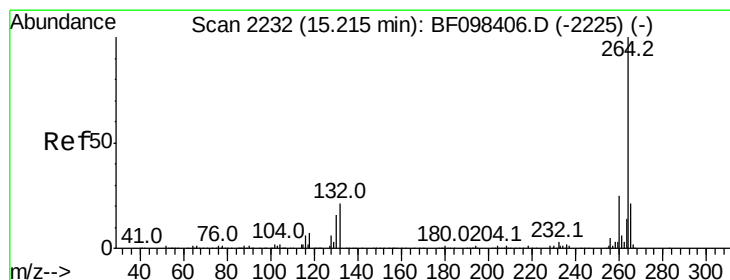
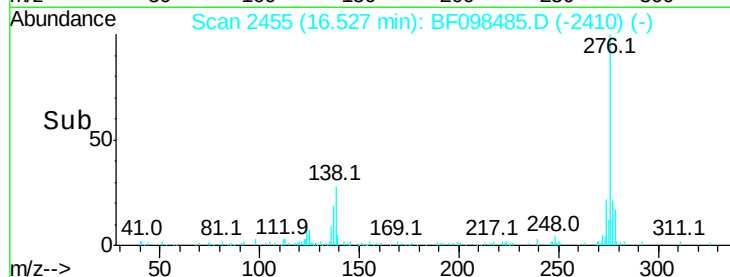
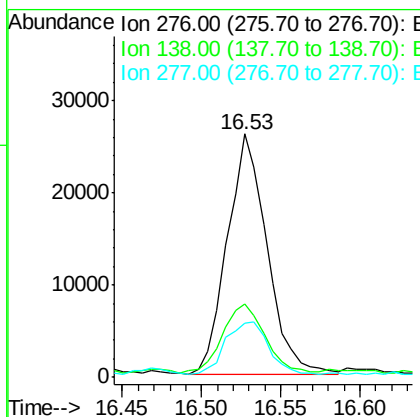
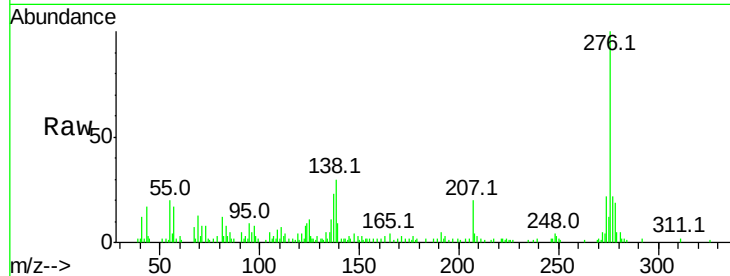
ClientSampleId :

RL-13-16-32

Tot Ion:	276	Resp:	45266
Ion Ratio	Lower	Upper	
276	100		
138	30.6	27.8	41.6
277	24.1	20.2	30.4

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#86

Perylene-d12

Concen: 20.000 ng

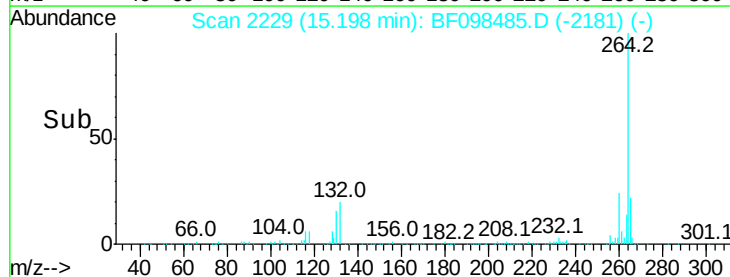
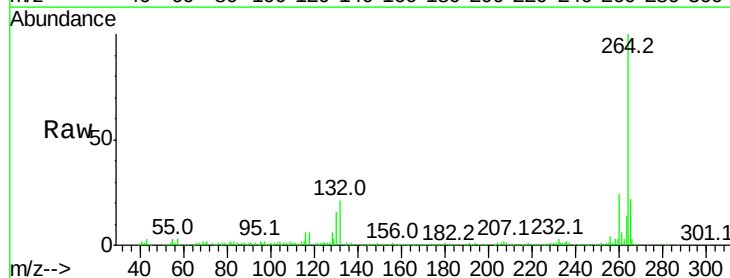
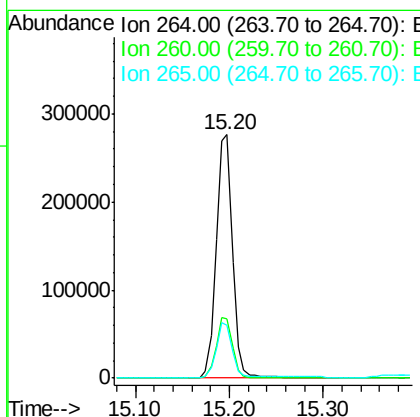
RT: 15.20 min Scan# 2229

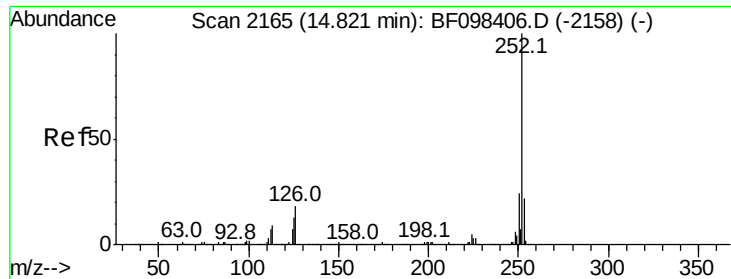
Delta R.T. -0.02 min

Lab File: BF098485.D

Acq: 13 Sep 2017 13:01

Tgt Ion:	264	Resp:	338167
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.5	29.3
265	21.7	17.2	25.8





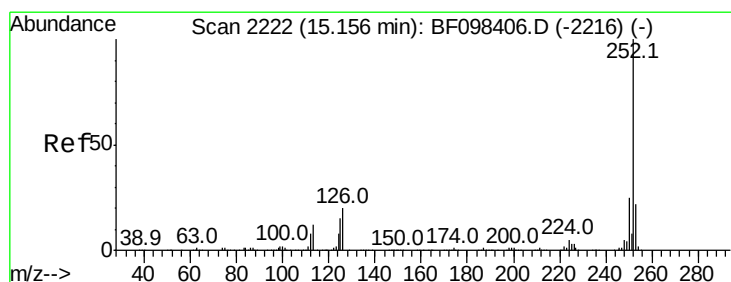
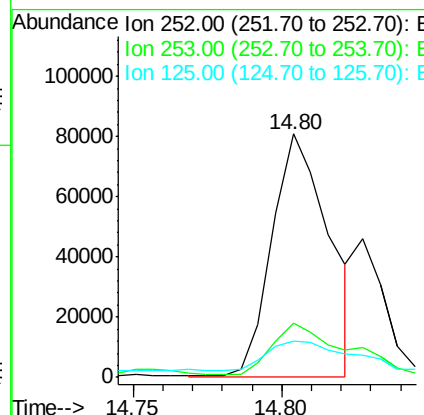
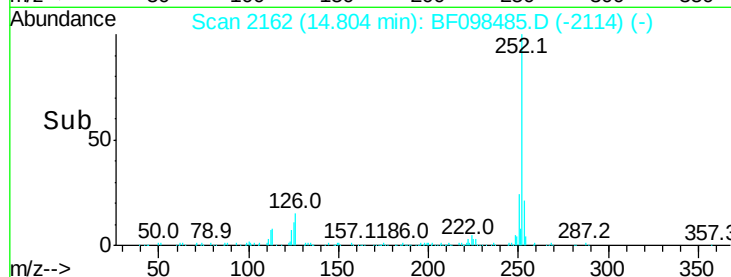
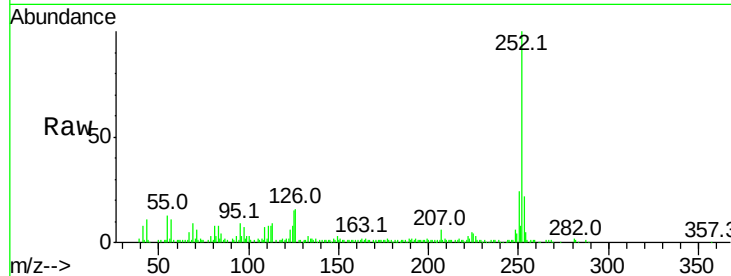
#87
Benzo(b)fluoranthene
Concen: 5.154 ng m
RT: 14.80 min Scan# 2162
Delta R.T. -0.02 min
Lab File: BF098485.D
Acq: 13 Sep 2017 13:01

Instrument :
BNA_F
ClientSampleId :
RL-13-16-32

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	14.7	9.8	14.8

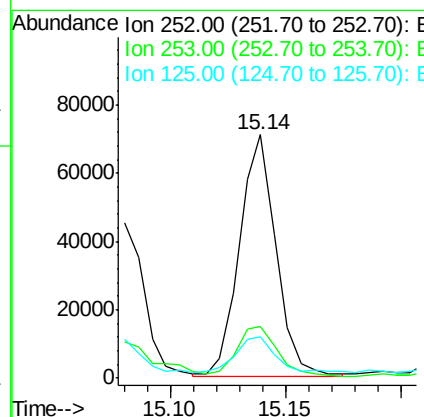
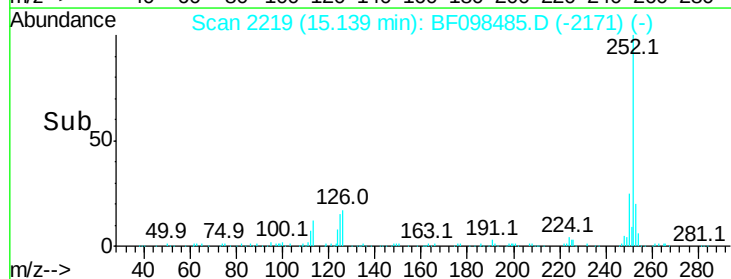
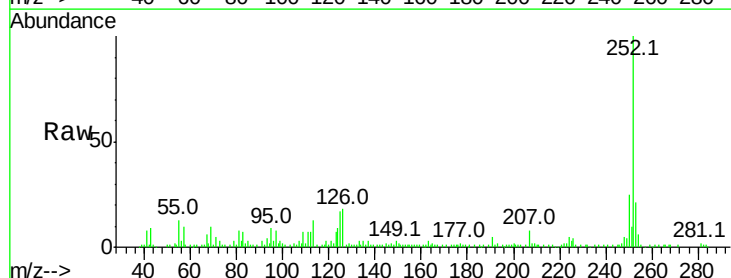
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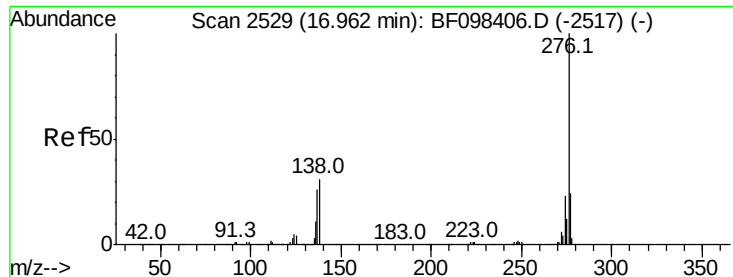
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#89
Benzo(a)pyrene
Concen: 4.119 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.02 min
Lab File: BF098485.D
Acq: 13 Sep 2017 13:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.5	26.3
125	17.2	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 3.492 ng
 RT: 16.93 min Scan# 2523
 Delta R.T. -0.04 min
 Lab File: BF098485.D
 Acq: 13 Sep 2017 13:01

Instrument :
 BNA_F
 ClientSampleId :
 RL-13-16-32

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.6	28.0
138	31.9	25.4	38.0

Manual Integrations
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 9/14/2017 5:52:17 PM

