

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
 Data File : BF108374.D
 Acq On : 22 Aug 2018 8:29
 Operator : JU/SJ
 Sample : J4388-04
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-2B

Manual Integrations
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Sohil
 8/22/2018 4:03:37 PM

Quant Time: Aug 22 11:24:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 22 11:01:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	169602	20.00	ng	0.00
21) Naphthalene-d8	8.29	136	587427	20.00	ng	0.00
38) Acenaphthene-d10	10.05	164	258914	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	404335	20.00	ng	0.00
75) Chrysene-d12	14.20	240	361609	20.00	ng	0.00
86) Perylene-d12	15.76	264	287409	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	917446	97.93	ng	0.00
7) Phenol-d6	6.63	99	1209251	97.14	ng	0.00
23) Nitrobenzene-d5	7.57	82	779102	74.01	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	230929	89.42	ng	0.00
44) 2-Fluorobiphenyl	9.36	172	1196222	74.18	ng	0.00
78) Terphenyl-d14	13.13	244	900055	63.29	ng	0.00
Target Compounds						
31) Naphthalene	8.31	128	143393	5.368	ng	99
37) 2-Methylnaphthalene	9.00	142	41231	2.181	ng	98
49) Dimethylphthalate	9.75	163	172762	9.579	ng	99
51) Acenaphthene	10.08	154	52037	3.562	ng	98
54) Dibenzofuran	10.25	168	57961	2.738	ng	99
57) Fluorene	10.60	166	70403	4.202	ng	99
70) Phenanthrene	11.57	178	364984	19.138	ng	98
71) Anthracene	11.62	178	154391	7.899	ng	98
72) Carbazole	11.77	167	59729	3.439	ng	99
74) Fluoranthene	12.77	202	331560	15.930	ng	94
77) Pyrene	12.99	202	274142	11.975	ng	98
80) Benzo(a)anthracene	14.19	228	170053	8.194	ng	99
82) Chrysene	14.22	228	129814	6.823	ng	96
85) Indeno(1,2,3-cd)pyrene	17.37	276	42027	2.549	ng	# 87
87) Benzo(b)fluoranthene	15.29	252	139064m	8.097	ng	
88) Benzo(k)fluoranthene	15.32	252	51608m	3.269	ng	
89) Benzo(a)pyrene	15.69	252	93360	6.071	ng	95
91) Benzo(g,h,i)perylene	17.87	276	38522	3.074	ng	# 90

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

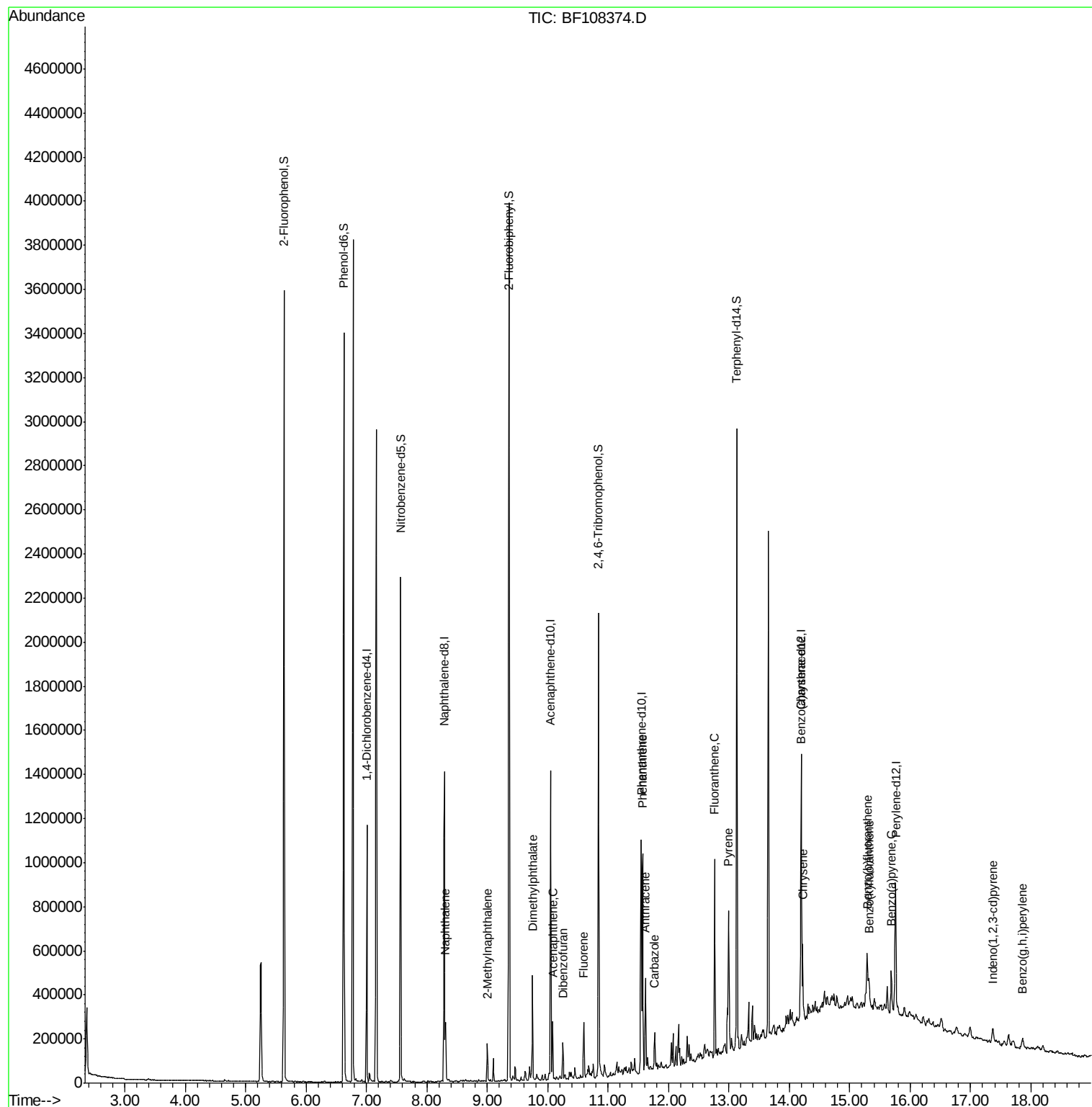
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
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Misc :
ALS Vial : 30 Sample Multiplier: 1

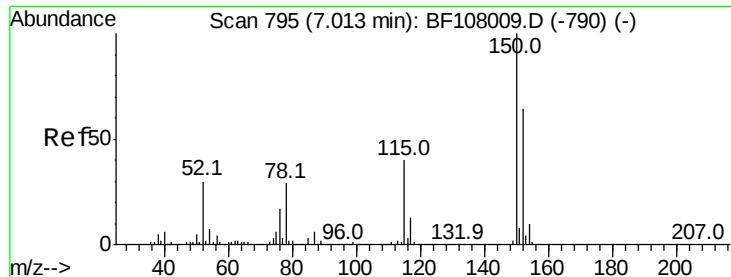
Instrument :
BNA_F
ClientSampleId :
S-2B

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

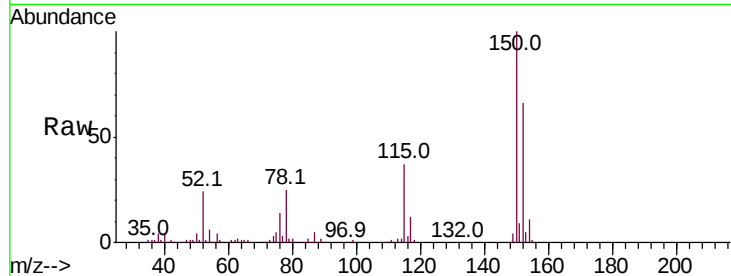
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 794
Delta R.T. -0.00 min
Lab File: BF108374.D
Acq: 22 Aug 2018 8:29

Instrument :
BNA_F
ClientSampleId :
S-2B

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.9	124.6	186.8
115	56.3	50.1	75.1

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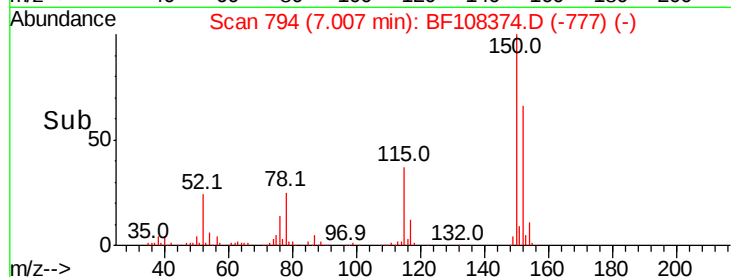
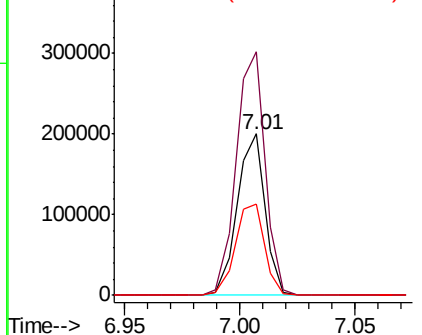


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 97.935 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108374.D
Acq: 22 Aug 2018 8:29

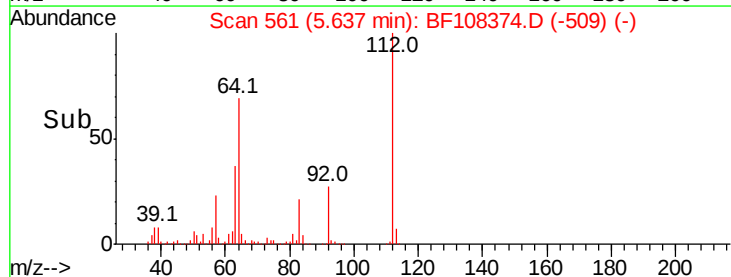
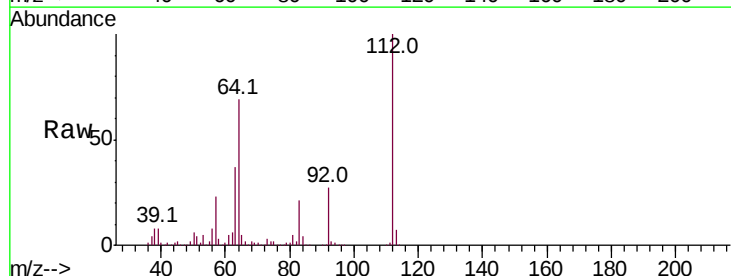
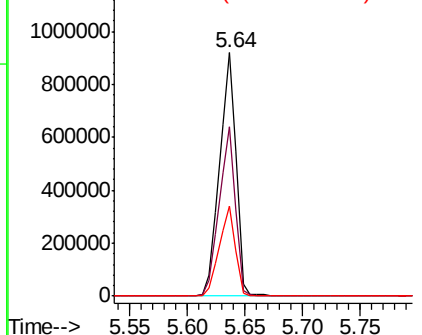
Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.5	47.9	71.9
63	36.9	23.7	35.5#

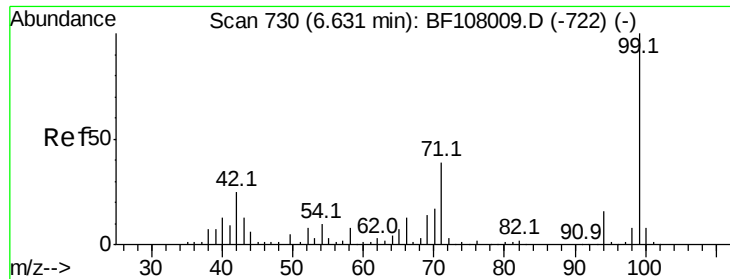
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 97.139 ng

RT: 6.63 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF108374.D

Acq: 22 Aug 2018 8:29

Instrument :

BNA_F

ClientSampled :

S-2B

Tot Ion: 99 Resp: 1209251

Ion Ratio Lower Upper

99 100

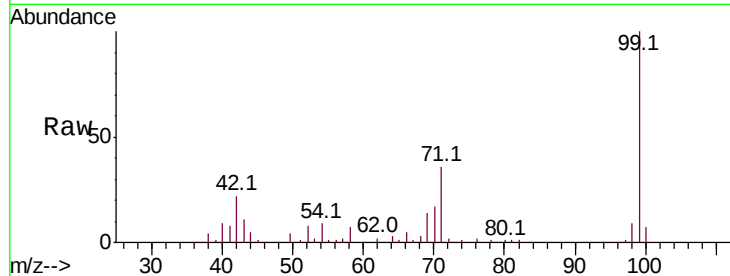
42 22.1 14.5 21.7#

71 36.2 25.4 38.0

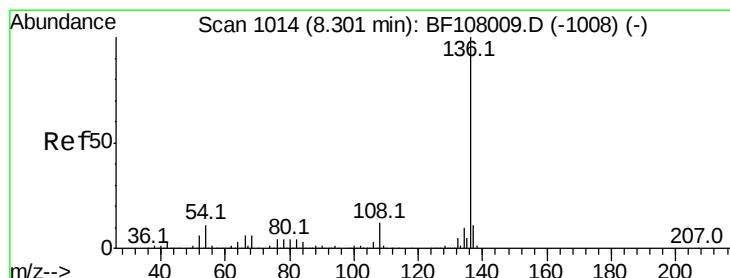
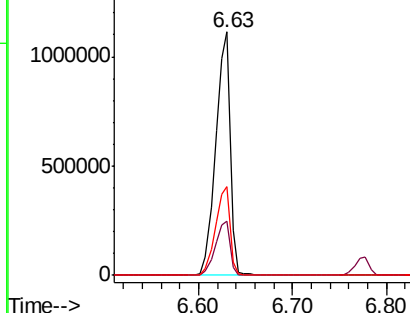
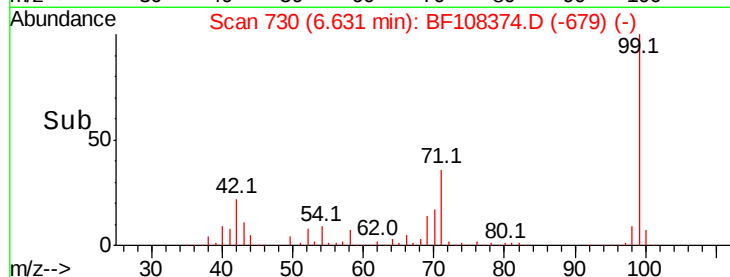
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Abundance Ion 99.00 (98.70 to 99.70): BF1
1500000
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.29 min Scan# 1012

Delta R.T. -0.00 min

Lab File: BF108374.D

Acq: 22 Aug 2018 8:29

Tgt Ion: 136 Resp: 587427

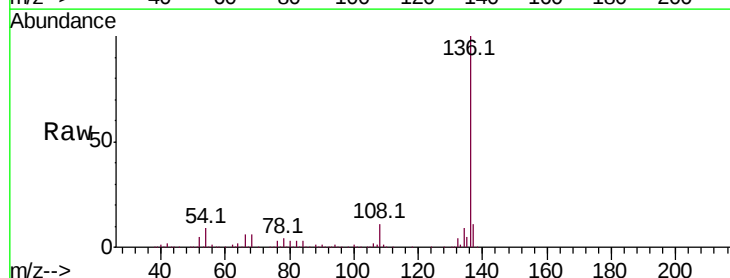
Ion Ratio Lower Upper

136 100

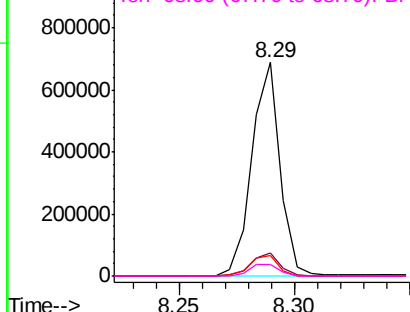
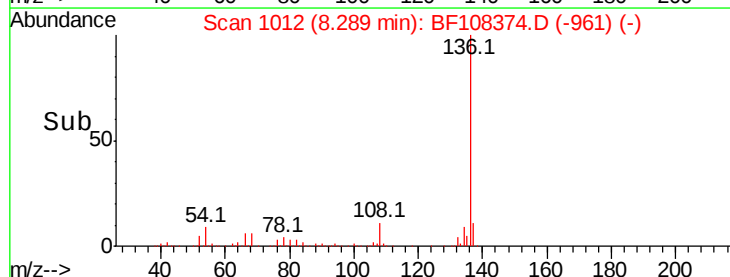
137 10.7 8.9 13.3

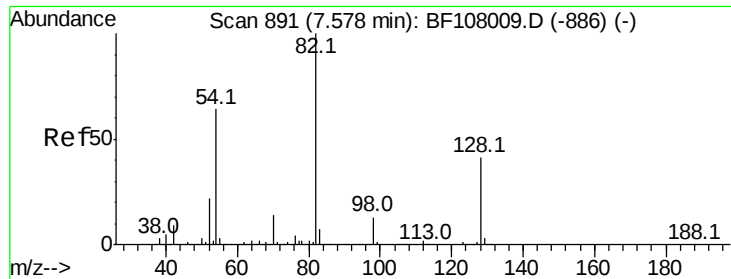
54 9.4 6.6 9.8

68 5.5 5.0 7.4



Abundance Ion 136.00 (135.70 to 136.70): E
1000000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





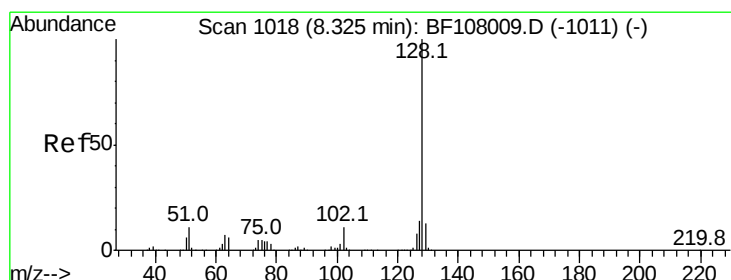
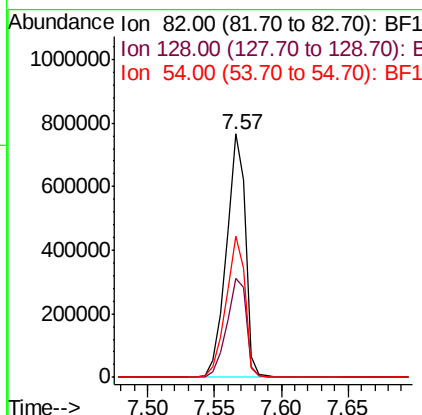
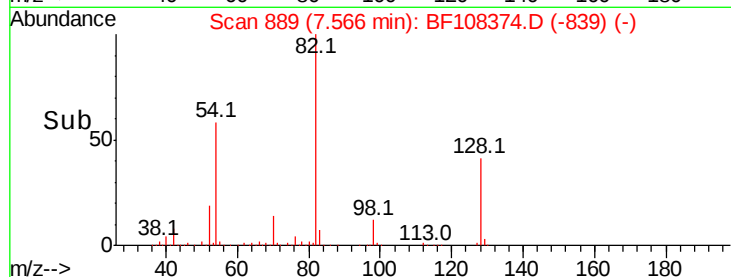
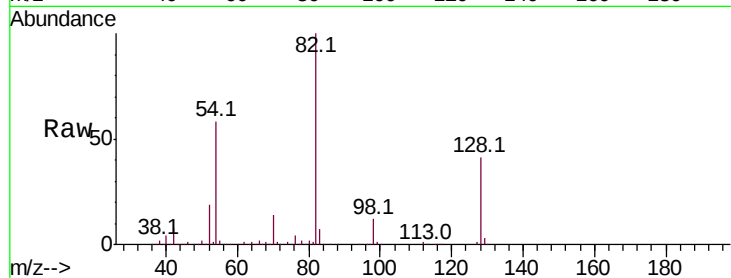
#23
Nitrobenzene-d5
Concen: 74.009 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF108374.D
Acq: 22 Aug 2018 8:29

Instrument :
BNA_F
ClientSampled :
S-2B

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	40.6	36.1	54.1
54	58.2	41.4	62.2

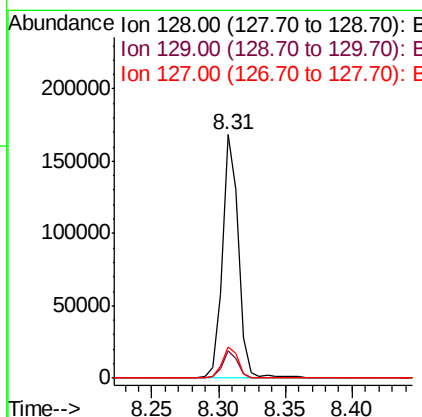
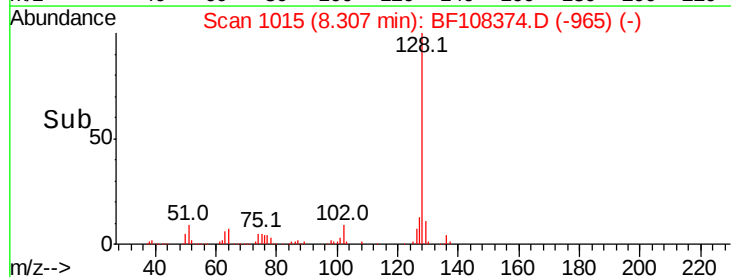
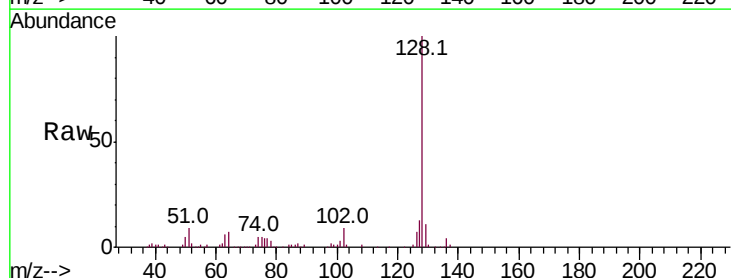
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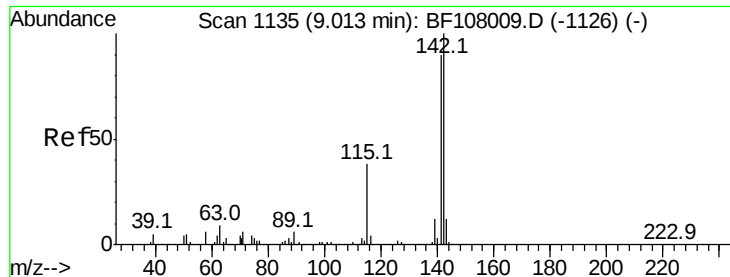
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#31
Naphthalene
Concen: 5.368 ng
RT: 8.31 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BF108374.D
Acq: 22 Aug 2018 8:29

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
129	11.3	8.8	13.2
127	12.8	10.9	16.3





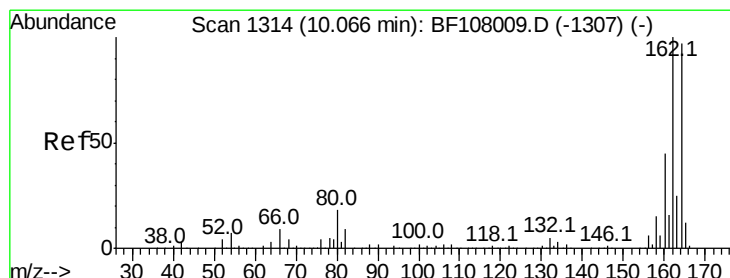
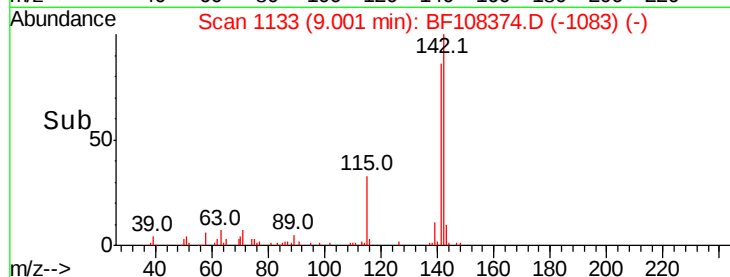
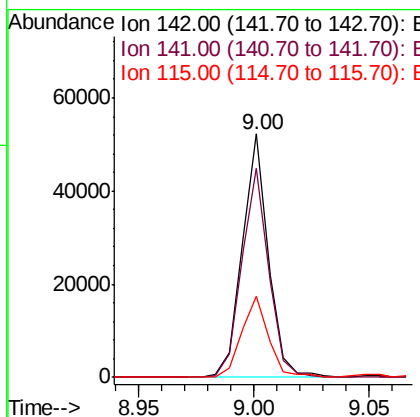
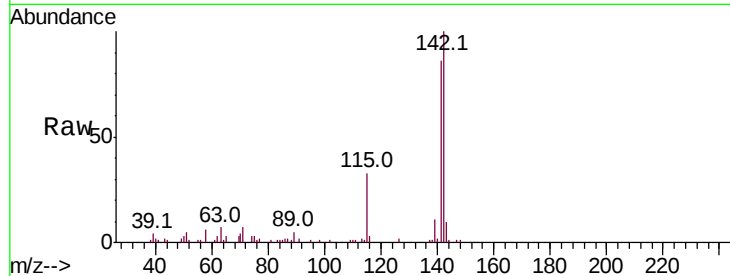
#37
2-Methylnaphthalene
Concen: 2.181 ng
RT: 9.00 min Scan# 1133
Delta R.T. -0.01 min
Lab File: BF108374.D
Acq: 22 Aug 2018 8:29

Instrument :
BNA_F
ClientSampleId :
S-2B

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.0	70.8	106.2
115	33.4	26.1	39.1

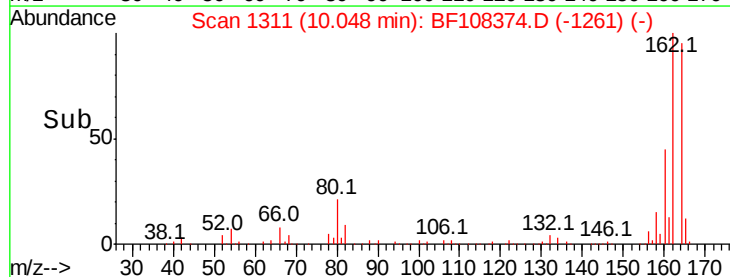
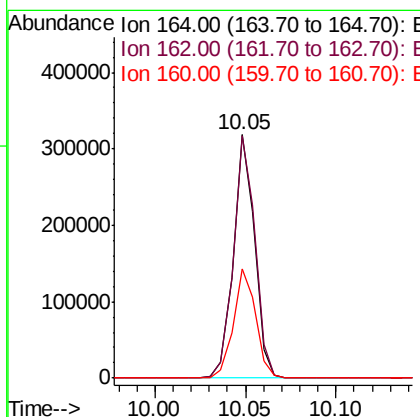
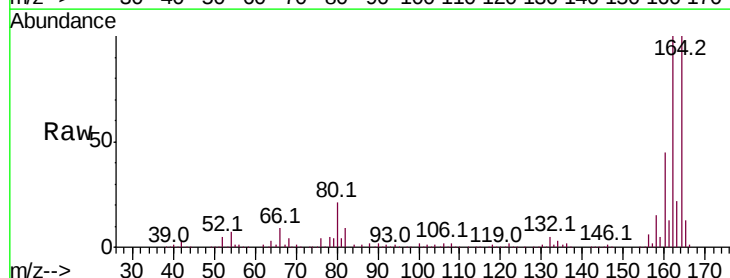
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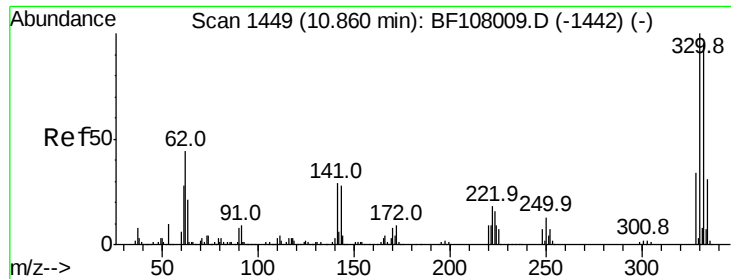
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.05 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF108374.D
Acq: 22 Aug 2018 8:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.7	86.1	129.1
160	45.0	38.3	57.5





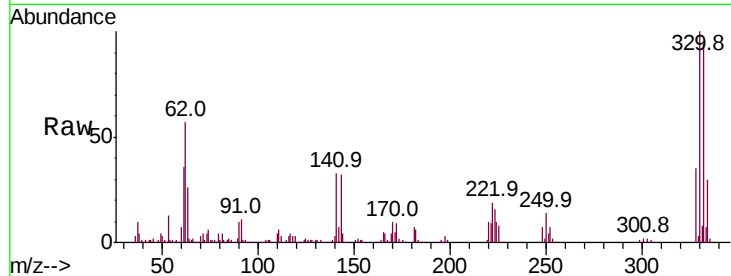
#41
 2,4,6-Tribromophenol
 Concen: 89.417 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108374.D
 Acq: 22 Aug 2018 8:29

Instrument :
 BNA_F
 ClientSampled :
 S-2B

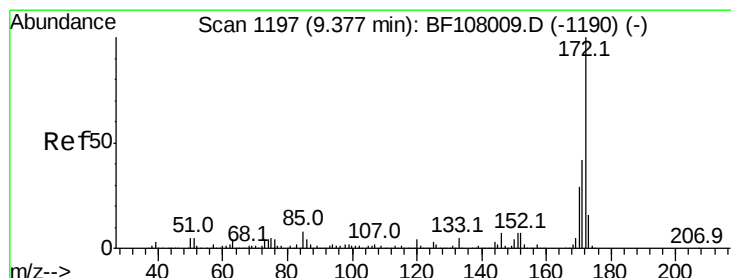
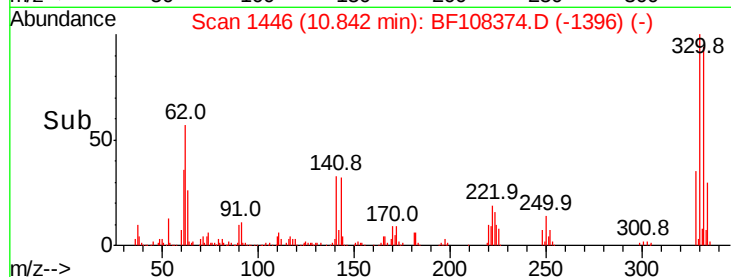
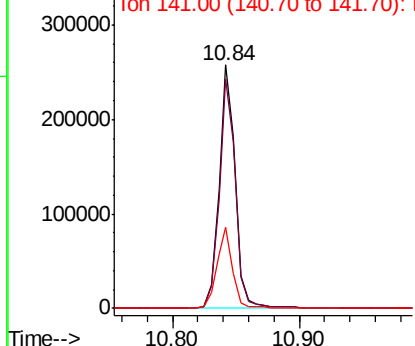
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.2	77.0	115.6	
141	33.2	29.9	44.9	

Manual Integrations
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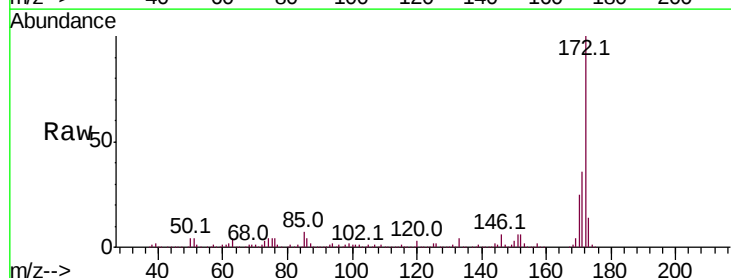


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

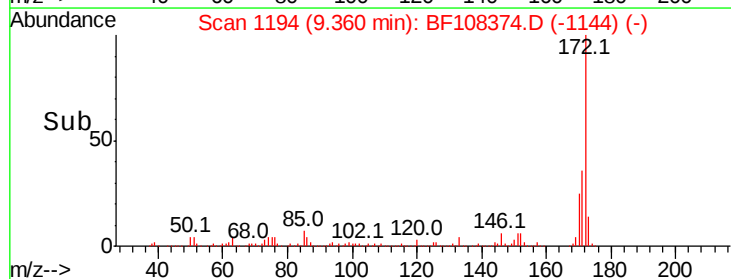
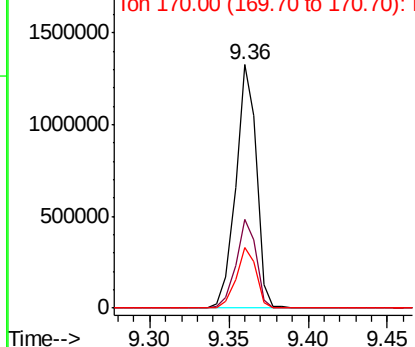


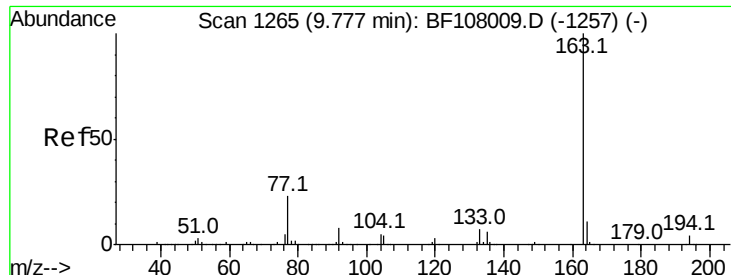
#44
 2-Fluorobiphenyl
 Concen: 74.175 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF108374.D
 Acq: 22 Aug 2018 8:29

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.3	29.7	44.5	
170	24.6	19.6	29.4	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





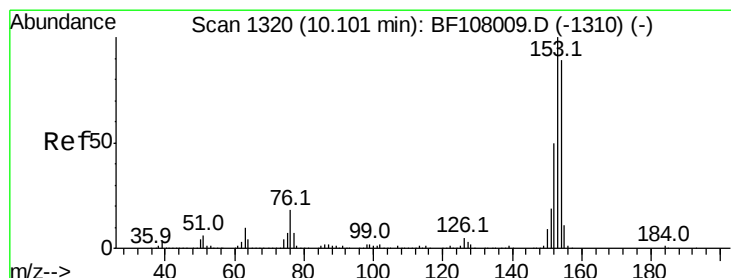
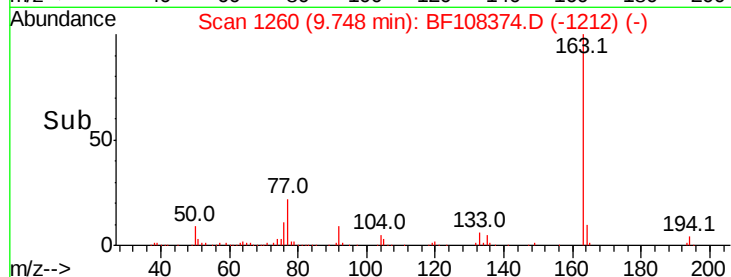
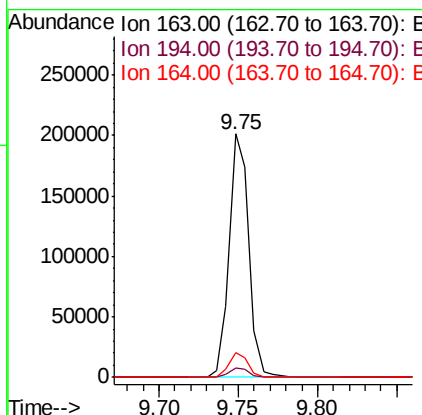
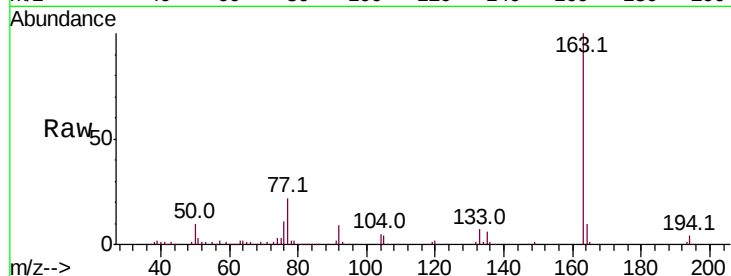
#49
Dimethylphthalate
Concen: 9.579 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108374.D
Acq: 22 Aug 2018 8:29

Instrument :
BNA_F
ClientSampled :
S-2B

Tot Ion	Ratio	Resp	Lower	Upper
163	100	172762		
194	4.0		2.7	4.1
164	10.4		8.2	12.2

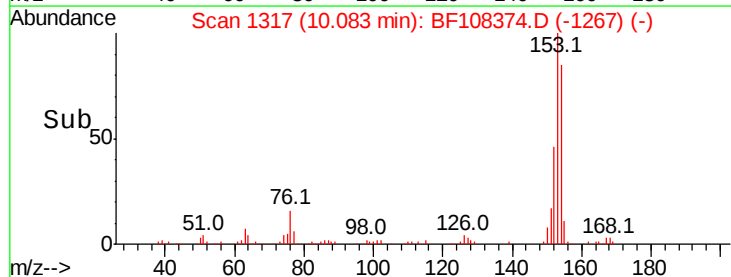
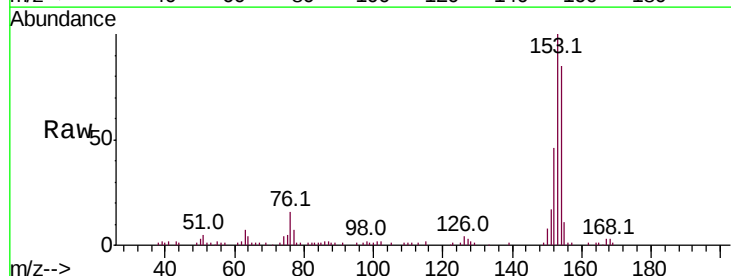
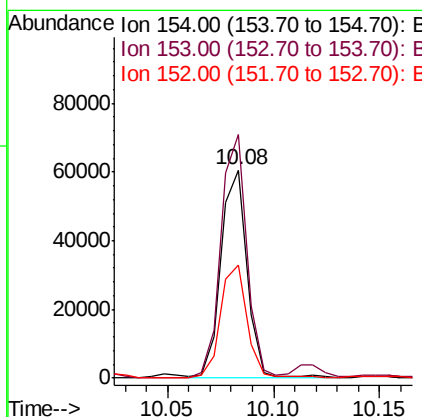
Manual Integrations
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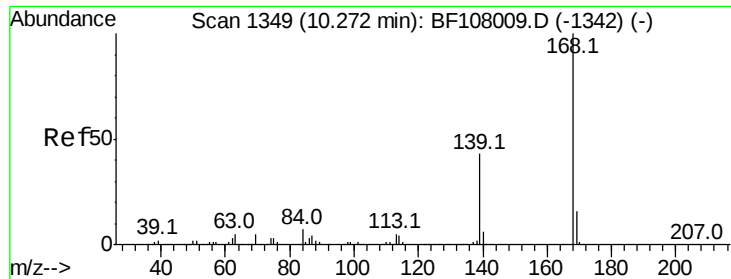
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#51
Acenaphthene
Concen: 3.562 ng
RT: 10.08 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF108374.D
Acq: 22 Aug 2018 8:29

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	52037		
153	117.0		91.2	136.8
152	54.0		43.8	65.8





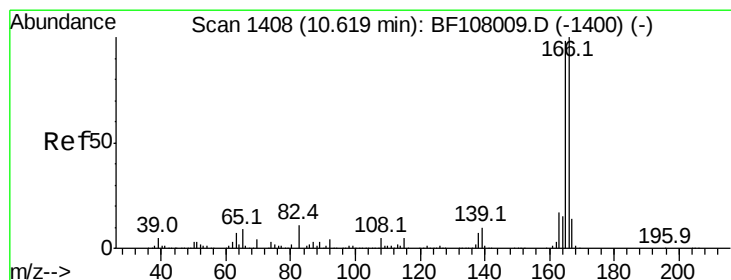
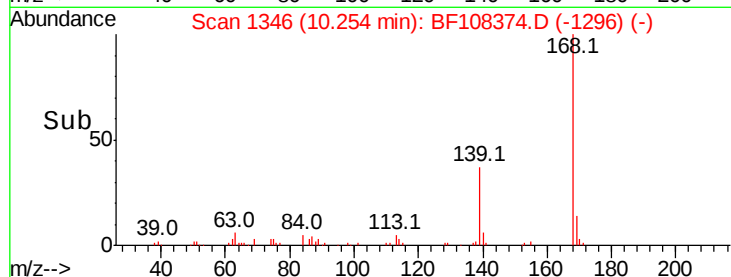
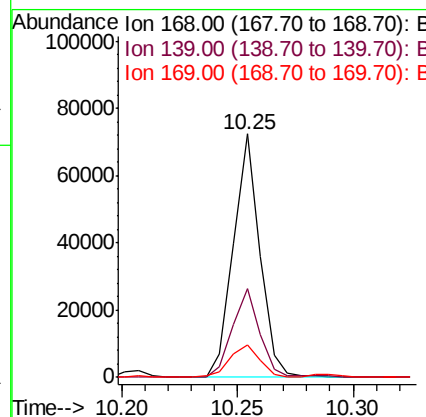
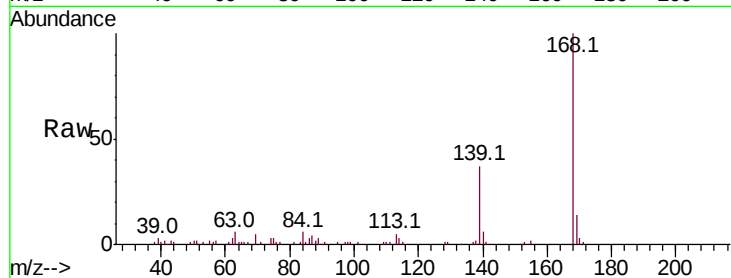
#54
Dibenzofuran
Concen: 2.738 ng
RT: 10.25 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BF108374.D
Acq: 22 Aug 2018 8:29

Instrument :
BNA_F
ClientSampled :
S-2B

Tot Ion	Ratio	Resp	Lower	Upper
168	100	57961		
139	36.7		30.1	45.1
169	13.6		10.9	16.3

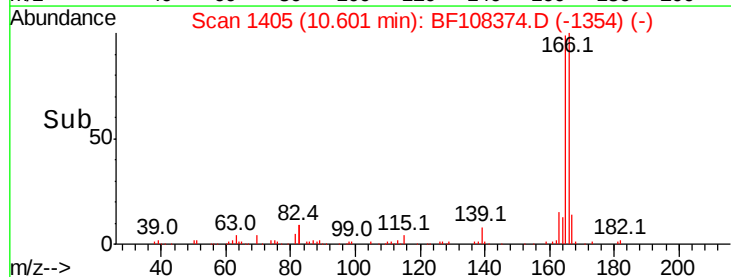
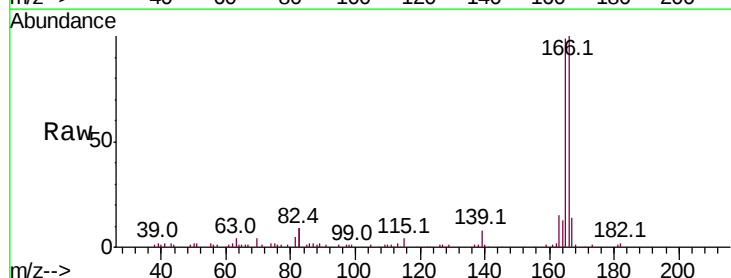
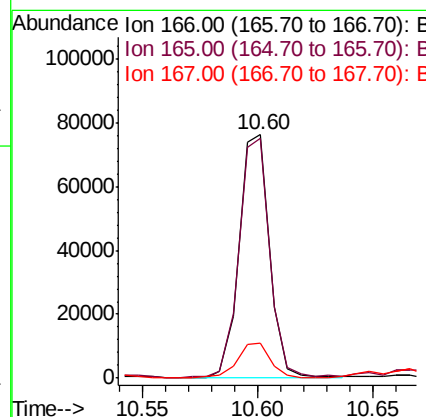
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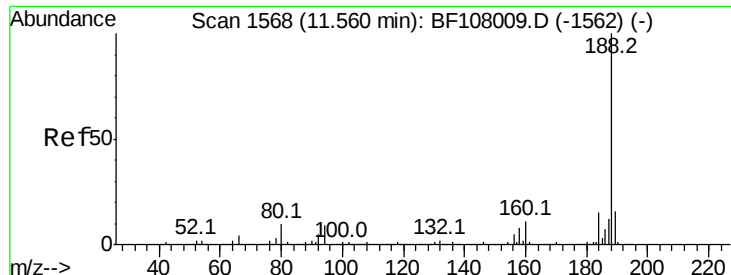
Sohil
8/22/2018 4:03:37 PM



#57
Fluorene
Concen: 4.202 ng
RT: 10.60 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BF108374.D
Acq: 22 Aug 2018 8:29

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	70403		
165	98.6		79.8	119.8
167	14.2		10.6	16.0





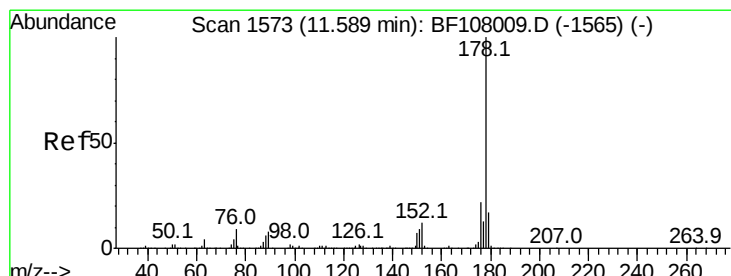
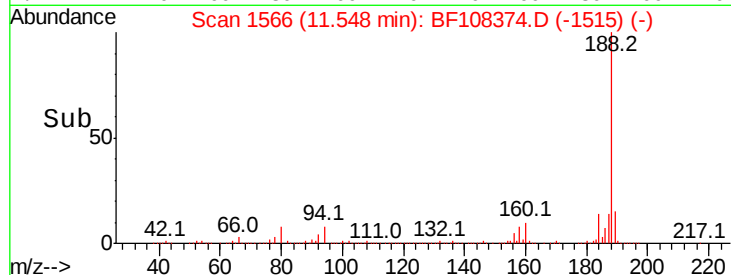
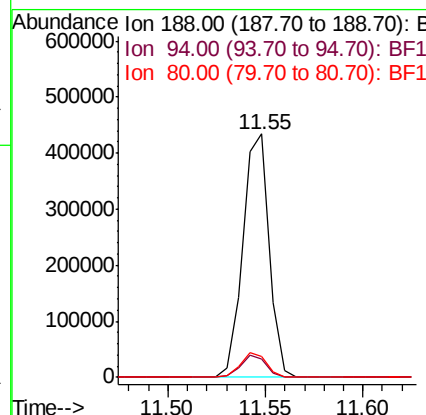
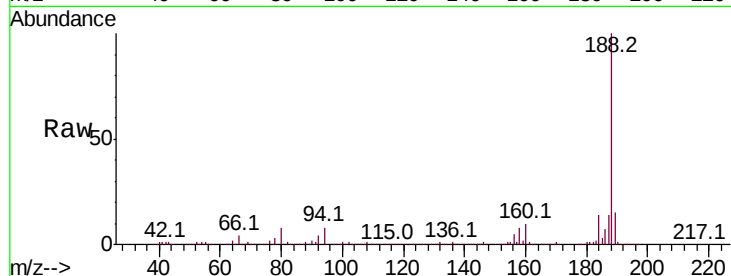
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.55 min Scan# 1566
Delta R.T. -0.00 min
Lab File: BF108374.D
Acq: 22 Aug 2018 8:29

Instrument :
BNA_F
ClientSampled :
S-2B

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.7	8.5	12.7#
80	8.4	9.2	13.8#

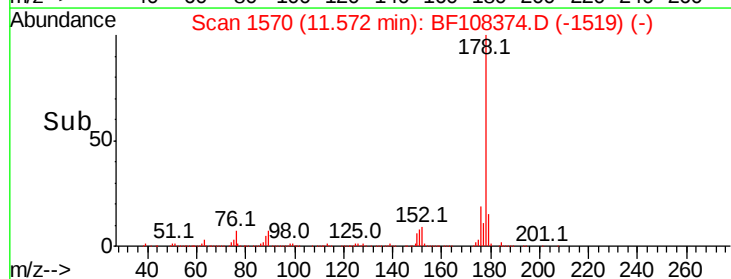
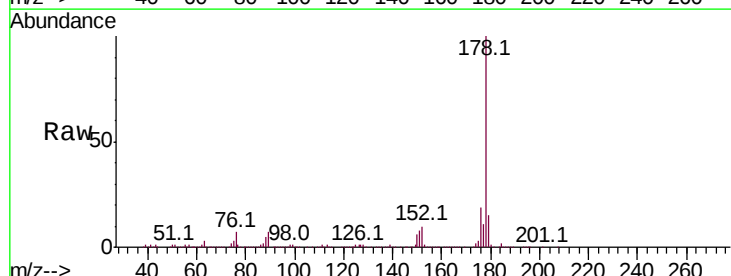
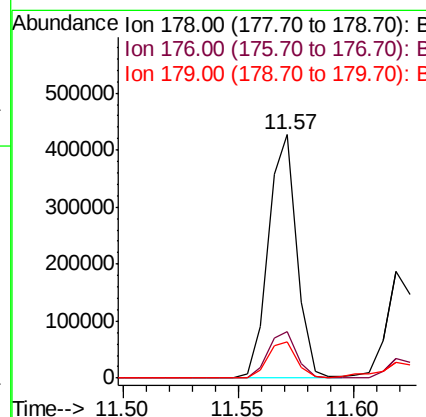
Manual Integrations
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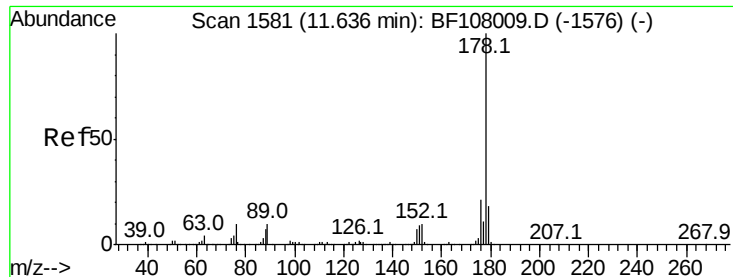
Sohil
8/22/2018 4:03:37 PM



#70
Phenanthrene
Concen: 19.138 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF108374.D
Acq: 22 Aug 2018 8:29

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.0	15.8	23.8
179	14.9	13.0	19.6





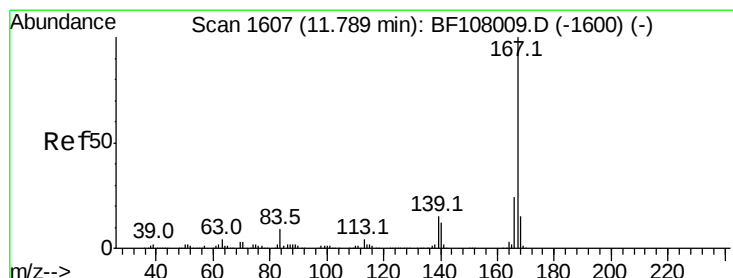
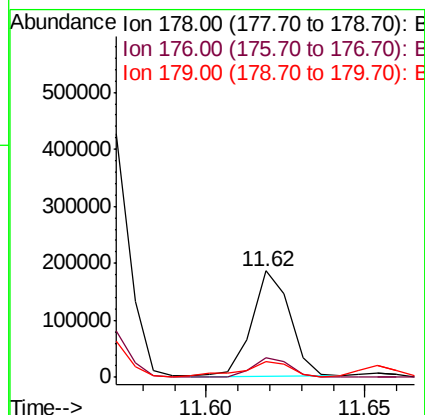
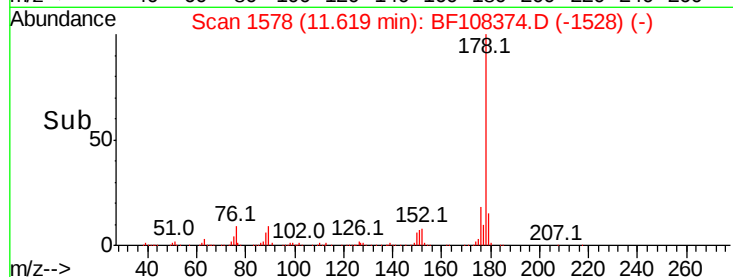
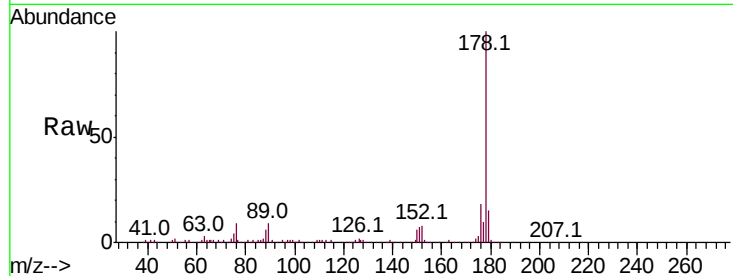
#71
 Anthracene
 Concen: 7.899 ng
 RT: 11.62 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF108374.D
 Acq: 22 Aug 2018 8:29

Instrument :
 BNA_F
 ClientSampled :
 S-2B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	15.1	12.6	19.0

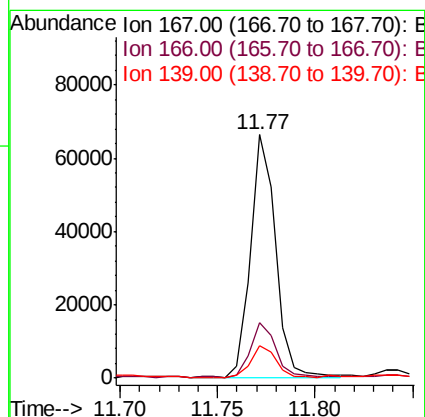
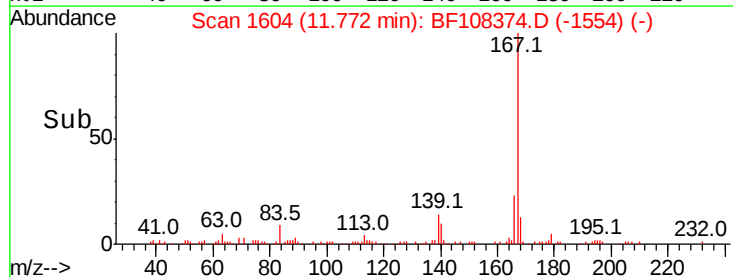
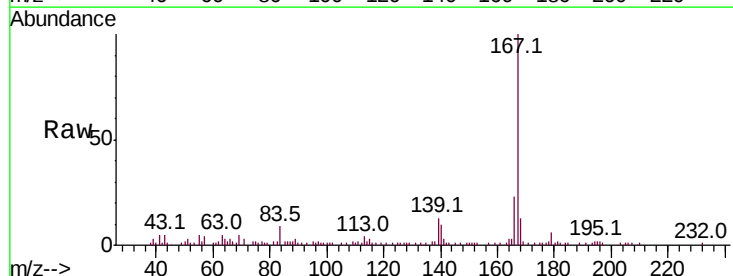
Manual Integrations
 APPROVED

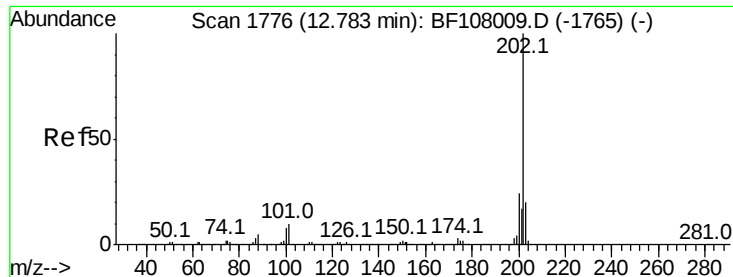
Sohil
 8/22/2018 4:03:37 PM



#72
 Carbazole
 Concen: 3.439 ng
 RT: 11.77 min Scan# 1604
 Delta R.T. -0.01 min
 Lab File: BF108374.D
 Acq: 22 Aug 2018 8:29

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.9	17.6	26.4
139	13.5	10.9	16.3





#74

Fluoranthene

Concen: 15.930 ng

RT: 12.77 min Scan# 1773

Delta R.T. -0.00 min

Lab File: BF108374.D

Acq: 22 Aug 2018 8:29

Instrument :

BNA_F

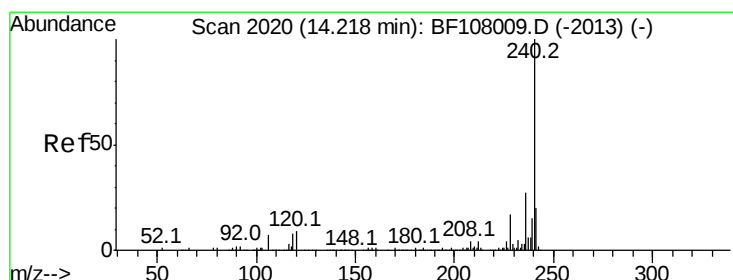
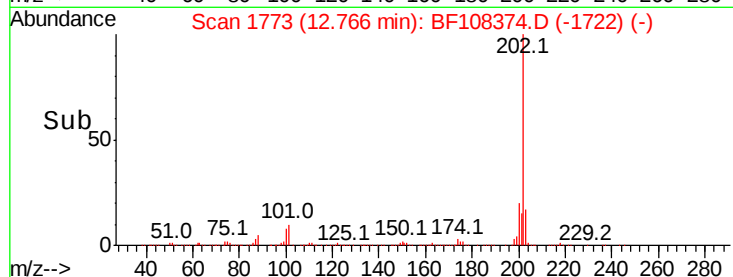
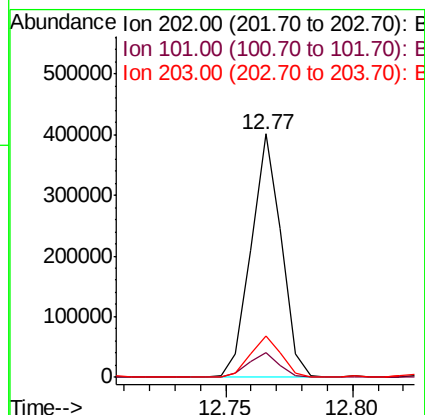
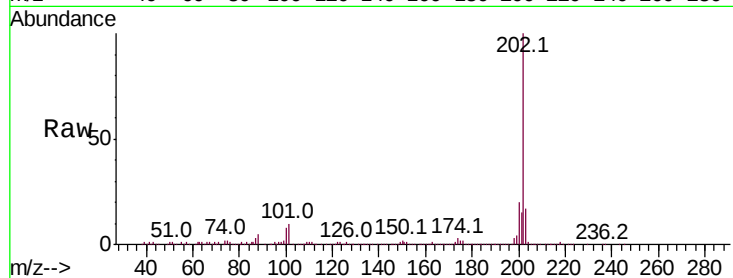
ClientSampled :

S-2B

Tot Ion:	202	Resp:	331560
Ion Ratio	Lower	Upper	
202	100		
101	9.9	0.0	34.1
203	17.0	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

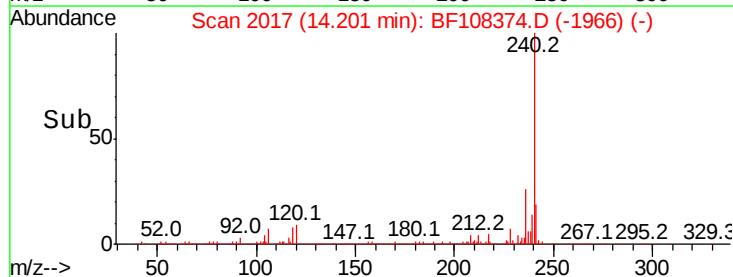
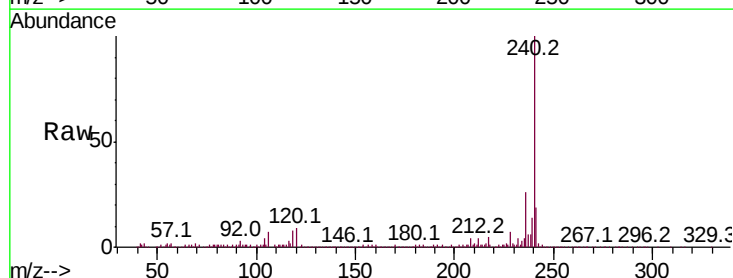
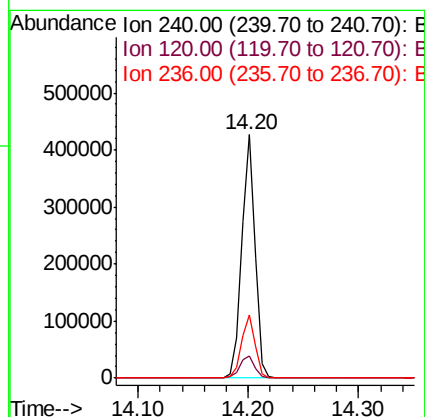
RT: 14.20 min Scan# 2017

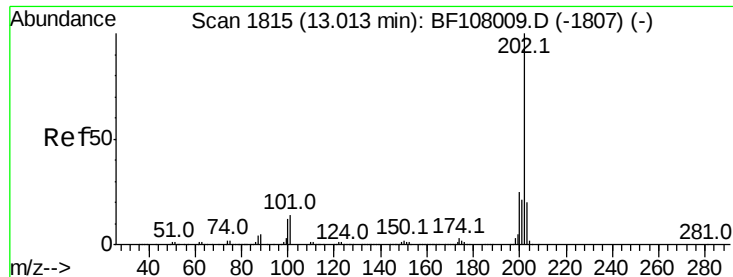
Delta R.T. -0.00 min

Lab File: BF108374.D

Acq: 22 Aug 2018 8:29

Tgt Ion:	240	Resp:	361609
Ion Ratio	Lower	Upper	
240	100		
120	9.1	9.5	14.3#
236	25.8	20.7	31.1





#77

Pvrene

Concen: 11.975 ng

RT: 12.99 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF108374.D

Acq: 22 Aug 2018 8:29

Instrument :

BNA_F

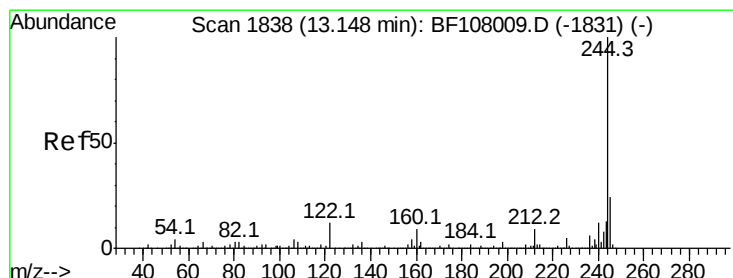
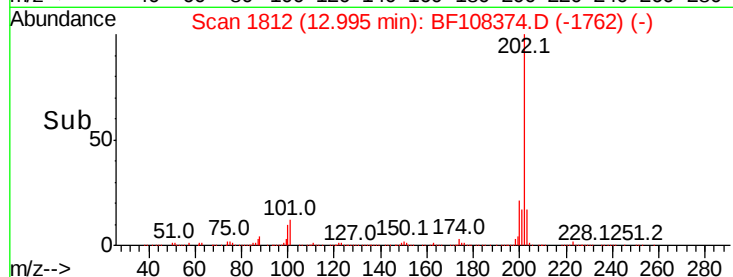
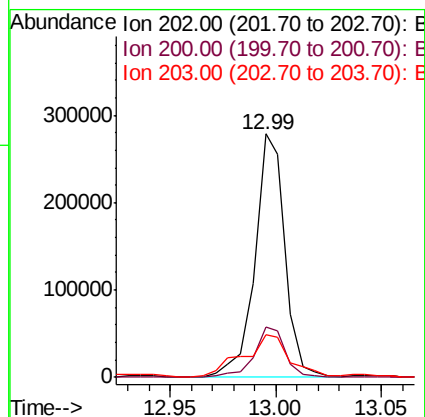
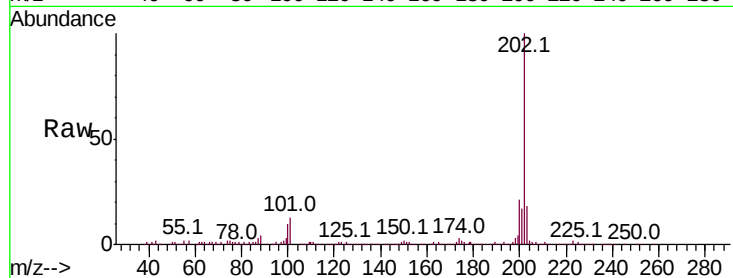
ClientSampled :

S-2B

Tot Ion:	202	Resp:	274142
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.4	26.2
203	17.5	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 63.285 ng

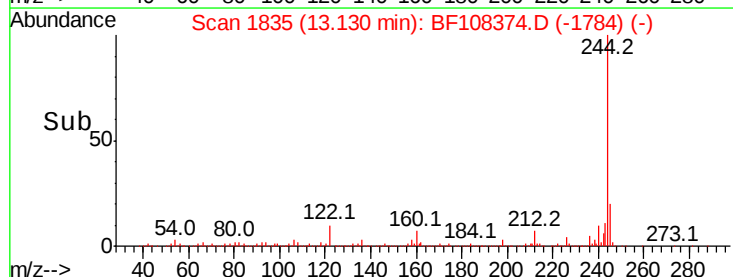
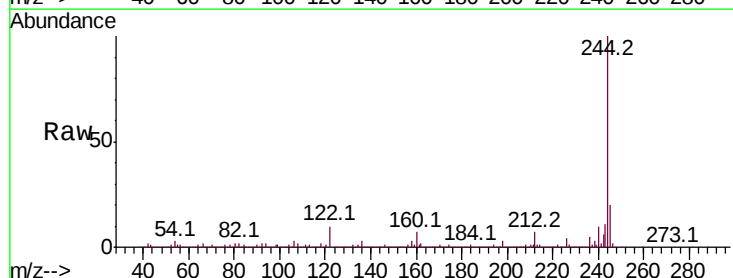
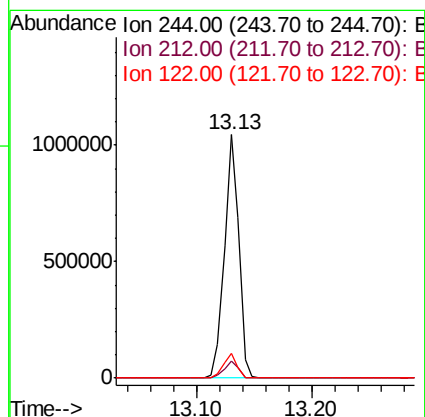
RT: 13.13 min Scan# 1835

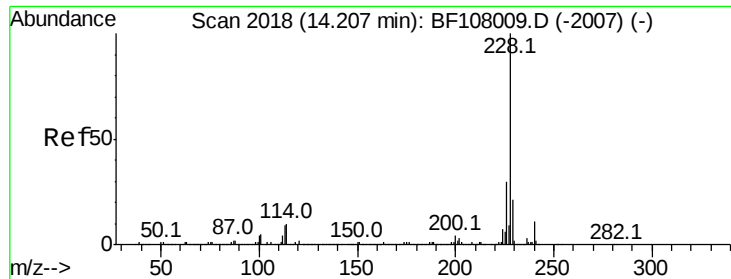
Delta R.T. -0.00 min

Lab File: BF108374.D

Acq: 22 Aug 2018 8:29

Tgt Ion:	244	Resp:	900055
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.4	8.0
122	10.0	11.0	16.4#





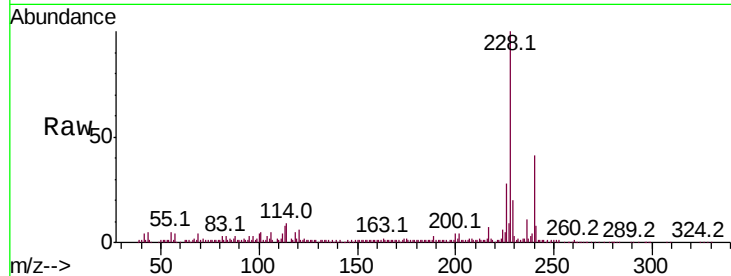
#80
Benzo(a)anthracene
Concen: 8.194 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.00 min
Lab File: BF108374.D
Acq: 22 Aug 2018 8:29

Instrument :
BNA_F
ClientSampled :
S-2B

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	20.5	15.8	23.6

Manual Integrations
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8/22/2018 4:03:37 PM

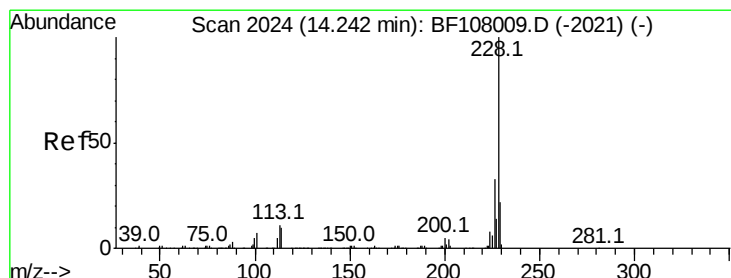
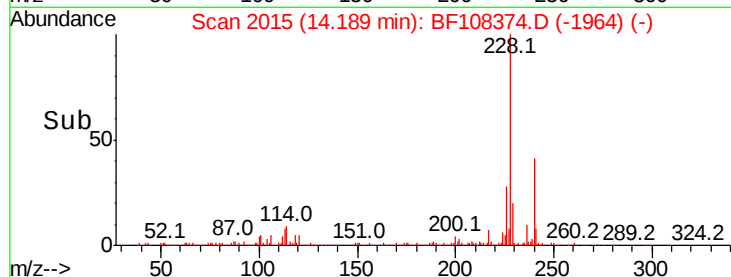
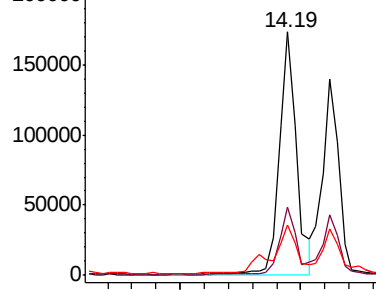


Abundance

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



#82
Chrysene
Concen: 6.823 ng
RT: 14.22 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF108374.D
Acq: 22 Aug 2018 8:29

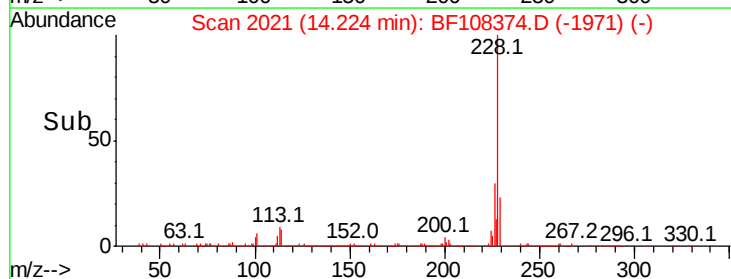
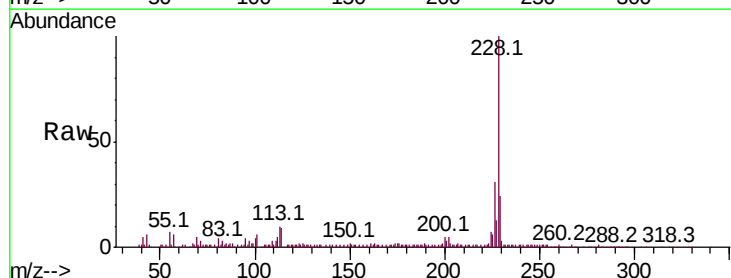
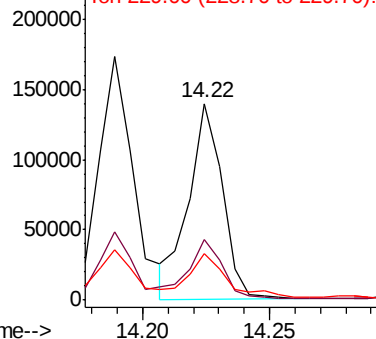
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	23.8	16.2	24.4

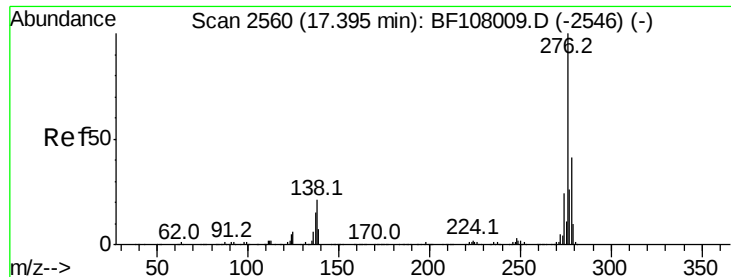
Abundance

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





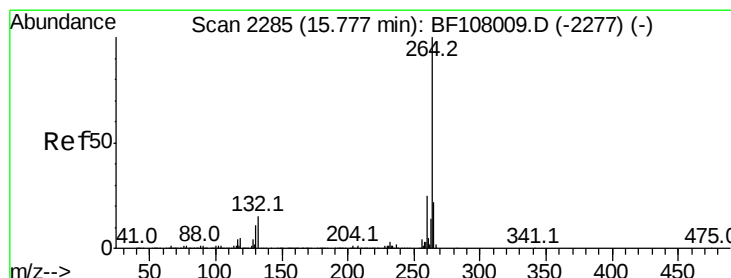
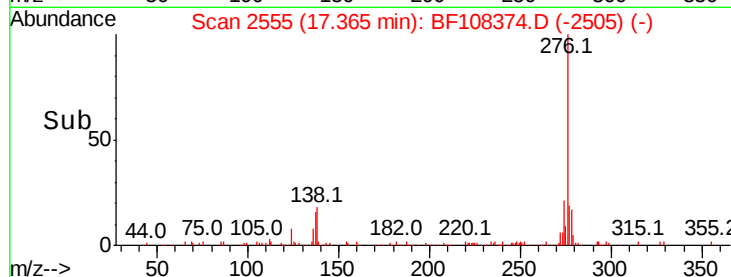
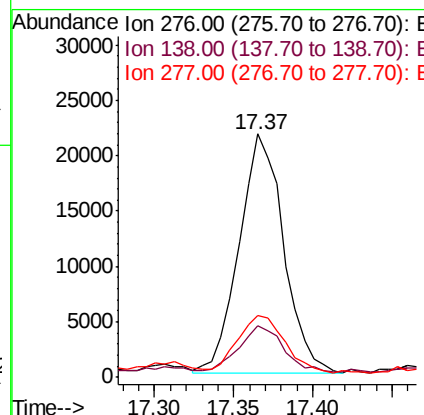
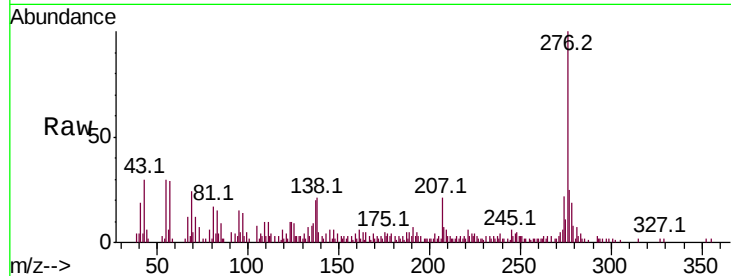
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.549 ng
 RT: 17.37 min Scan# 2555
 Delta R.T. -0.01 min
 Lab File: BF108374.D
 Acq: 22 Aug 2018 8:29

Instrument :
 BNA_F
 ClientSampled :
 S-2B

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.5	25.0	37.6#
277	26.3	20.1	30.1

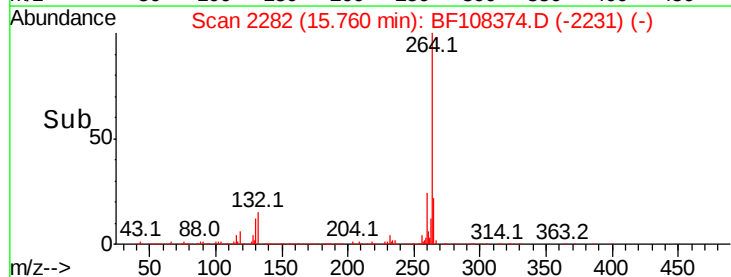
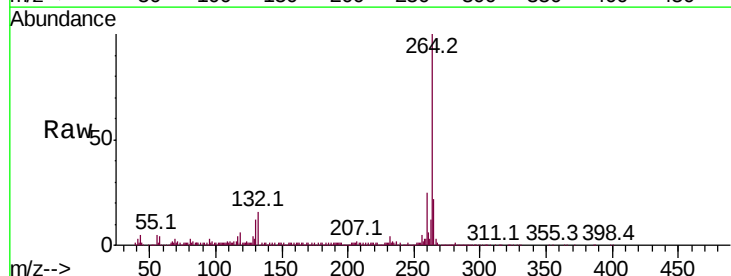
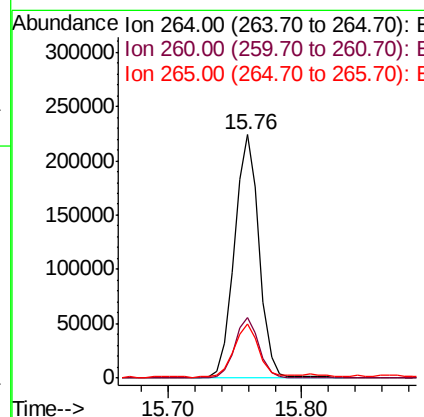
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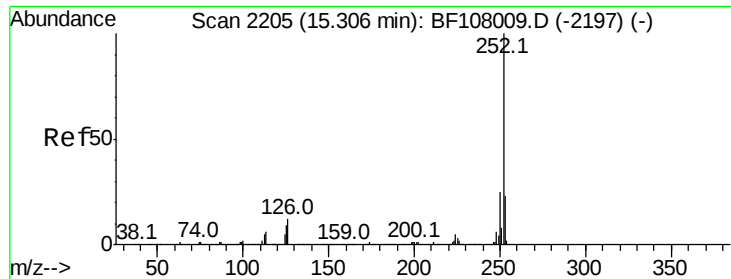
Sohil
 8/22/2018 4:03:37 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.76 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: BF108374.D
 Acq: 22 Aug 2018 8:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.1	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 8.097 ng m

RT: 15.29 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BF108374.D

Acq: 22 Aug 2018 8:29

Instrument :

BNA_F

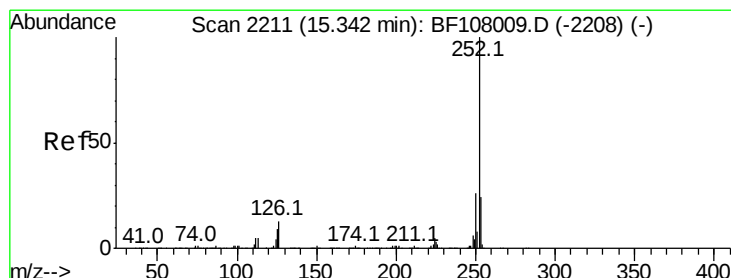
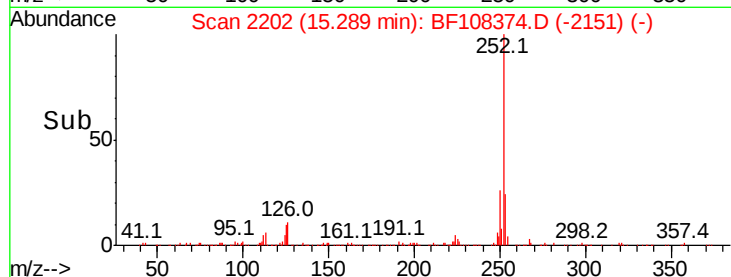
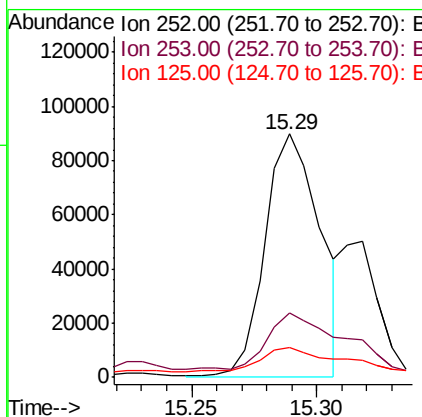
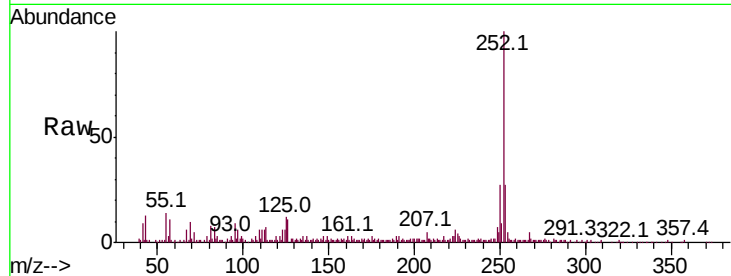
ClientSampleId :

S-2B

Tot Ion:	252	Resp:	139064
Ion Ratio	Lower	Upper	
252	100		
253	26.5	17.0	25.6#
125	12.2	9.0	13.6

Manual Integrations
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8/22/2018 4:03:37 PM



#88

Benzo(k)fluoranthene

Concen: 3.269 ng m

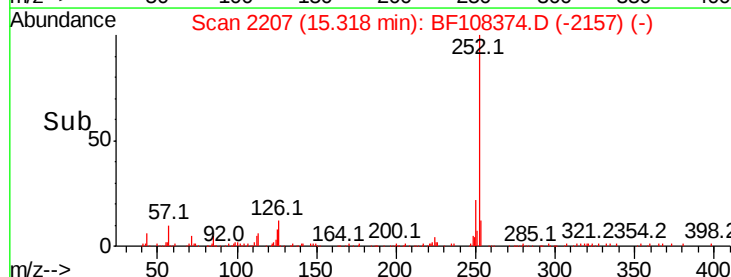
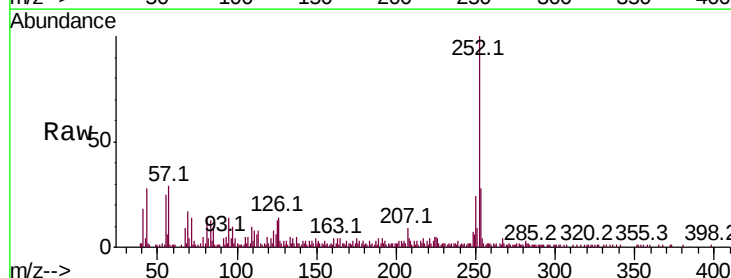
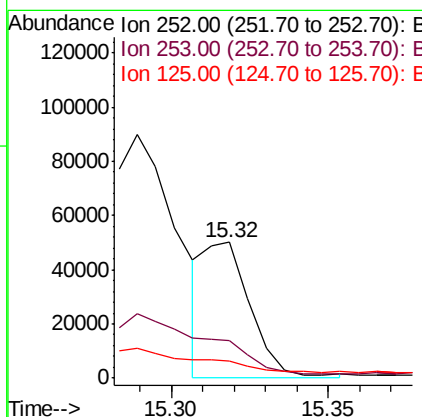
RT: 15.32 min Scan# 2207

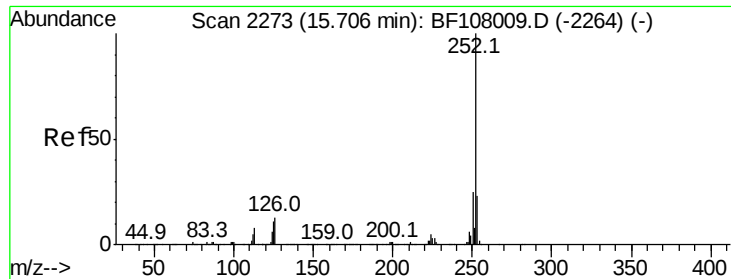
Delta R.T. -0.01 min

Lab File: BF108374.D

Acq: 22 Aug 2018 8:29

Tgt Ion:	252	Resp:	51608
Ion Ratio	Lower	Upper	
252	100		
253	27.5	17.9	26.9#
125	13.0	10.2	15.2





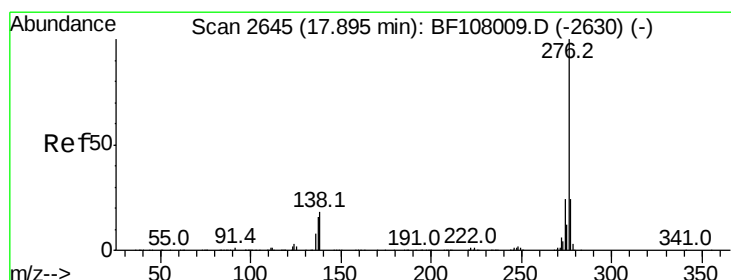
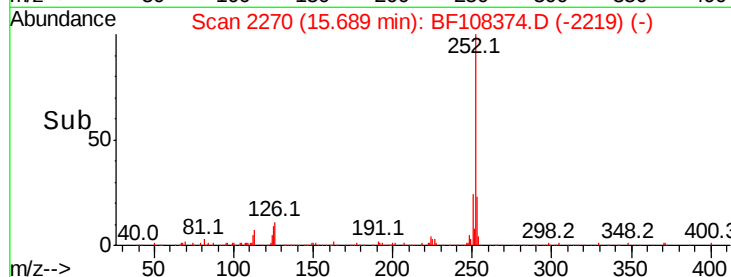
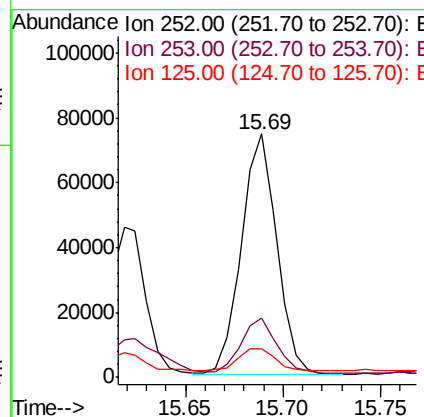
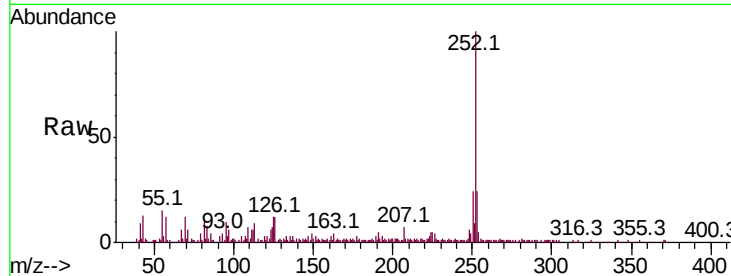
#89
Benzo(a)pyrene
Concen: 6.071 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF108374.D
Acq: 22 Aug 2018 8:29

Instrument :
BNA_F
ClientSampled :
S-2B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.1	25.7
125	11.5	9.8	14.6

Manual Integrations
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8/22/2018 4:03:37 PM



#91
Benzo(g,h,i)perylene
Concen: 3.074 ng
RT: 17.87 min Scan# 2640
Delta R.T. -0.00 min
Lab File: BF108374.D
Acq: 22 Aug 2018 8:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	17.9	26.9
138	20.1	21.8	32.8#

