

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF040218\
 Data File : BF104160.D
 Acq On : 3 Apr 2018 4:50
 Operator : JU/SJ
 Sample : J2121-10
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PA-06-COMP

Manual Integrations
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 4/3/2018 2:28:03 PM

Quant Time: Apr 03 06:49:16 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 02 13:40:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	108956	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	426068	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	186384	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	262478	20.00	ng	0.00
75) Chrysene-d12	14.16	240	216182	20.00	ng	0.00
86) Perylene-d12	15.70	264	165001	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	599468	87.74	ng	0.01
7) Phenol-d6	6.60	99	801872	95.40	ng	0.00
23) Nitrobenzene-d5	7.52	82	474717	68.14	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	160617	77.39	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	866125	73.28	ng	0.00
78) Terphenyl-d14	13.08	244	572088	61.10	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.26	128	138232	6.641	ng	99
49) Dimethylphthalate	9.70	163	84281	5.727	ng	98
51) Acenaphthene	10.03	154	57381	5.189	ng	97
54) Dibenzofuran	10.21	168	58454	3.620	ng	99
57) Fluorene	10.55	166	73939	5.550	ng	98
59) Diethylphthalate	10.40	149	42533	3.017	ng	99
70) Phenanthrene	11.52	178	664024	46.727	ng	99
71) Anthracene	11.57	178	214434	14.446	ng	99
72) Carbazole	11.74	167	82373	5.814	ng	97
74) Fluoranthene	12.72	202	832899	55.139	ng	96
77) Pyrene	12.95	202	717941	46.198	ng	99
80) Benzo(a)anthracene	14.14	228	403277	29.813	ng	97
82) Chrysene	14.19	228	348376	26.295	ng	97
83) Bis(2-ethylhexyl)phthalate	14.10	149	76572	8.094	ng	99
85) Indeno(1,2,3-cd)pyrene	17.30	276	128426	9.354	ng	# 88
87) Benzo(b)fluoranthene	15.24	252	351829m	35.036	ng	
88) Benzo(k)fluoranthene	15.27	252	143780m	15.200	ng	
89) Benzo(a)pyrene	15.64	252	241716	25.975	ng	# 95
90) Dibenzo(a,h)anthracene	17.31	278	23957	2.785	ng	# 76
91) Benzo(a,h,i)perylene	17.79	276	125004	14.506	ng	# 93

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

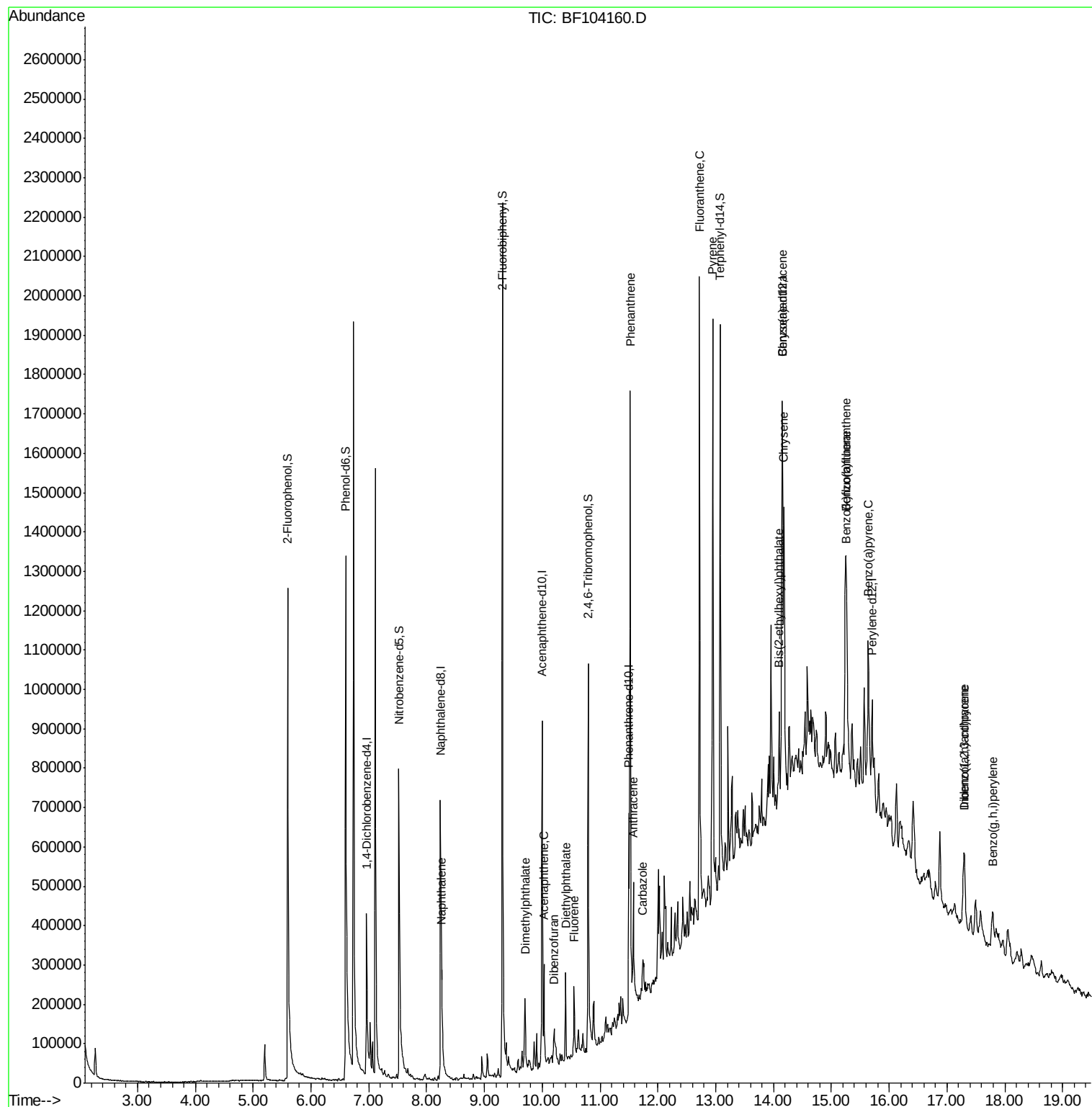
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF040218\
Data File : BF104160.D
Acq On : 3 Apr 2018 4:50
Operator : JU/SJ
Sample : J2121-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

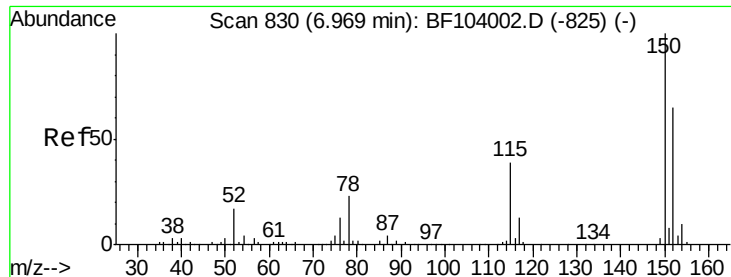
Instrument :
BNA_F
ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

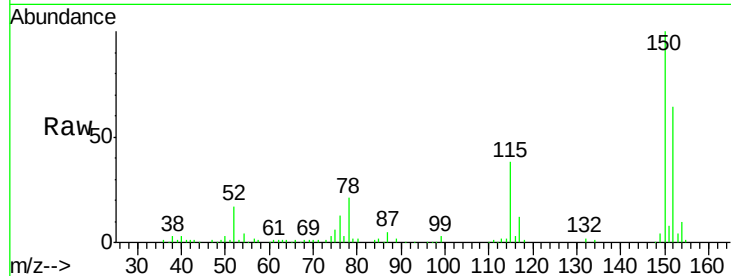
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.00 min
Lab File: BF104160.D
Acq: 3 Apr 2018 4:50

Instrument :
BNA_F
ClientSampled :
PA-06-COMP

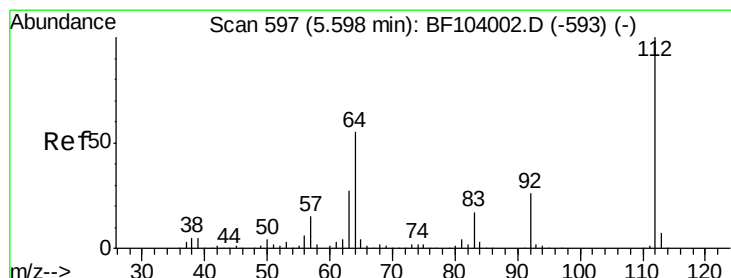
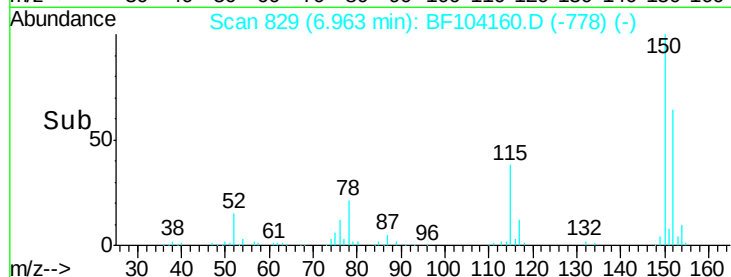
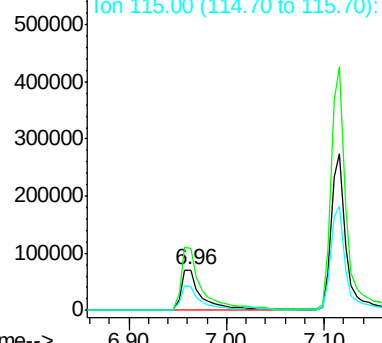
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.6	186.8
115	58.8	50.1	75.1

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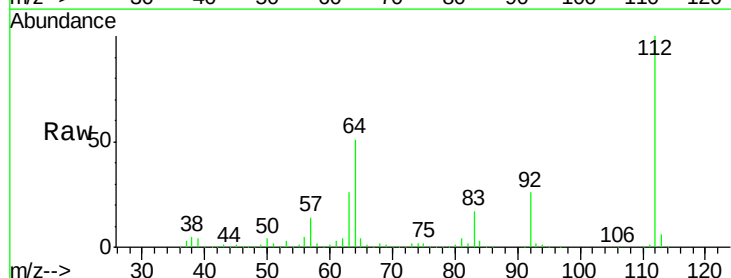
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



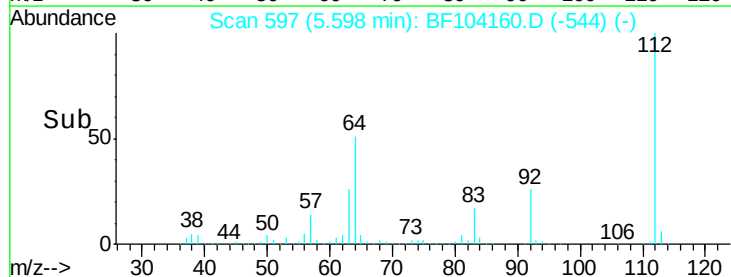
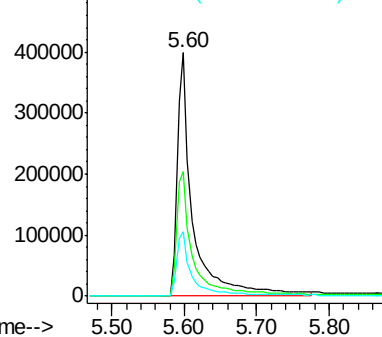
#5

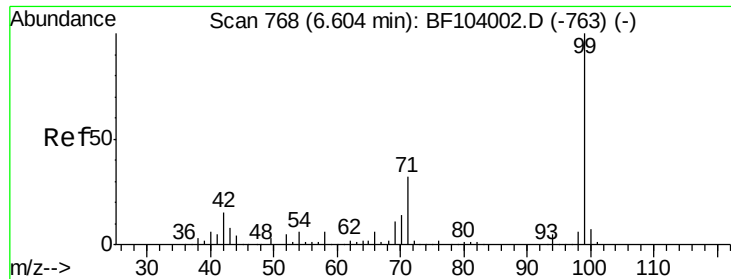
2-Fluorophenol
Concen: 87.742 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.01 min
Lab File: BF104160.D
Acq: 3 Apr 2018 4:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.3	47.9	71.9
63	26.3	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: 95.397 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF104160.D

Acq: 3 Apr 2018 4:50

Instrument :

BNA_F

ClientSampleId :

PA-06-COMP

Tot Ion: 99 Resp: 801872

Ion Ratio Lower Upper

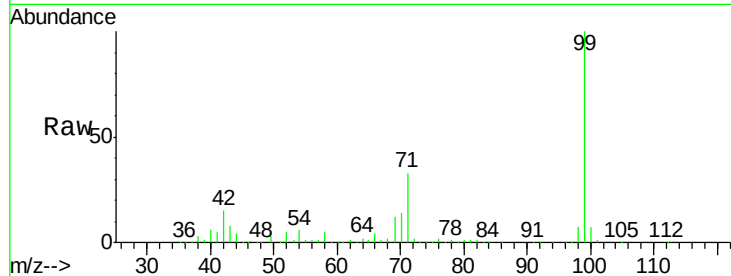
99 100

42 15.4 14.5 21.7

71 33.2 25.4 38.0

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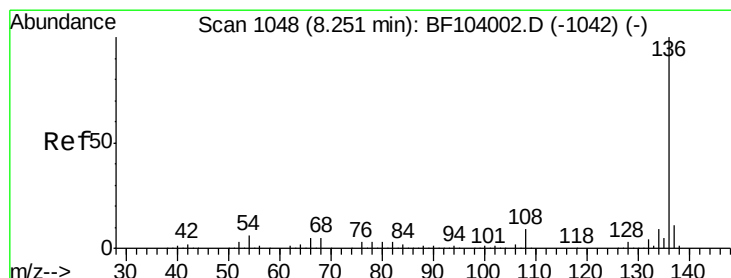
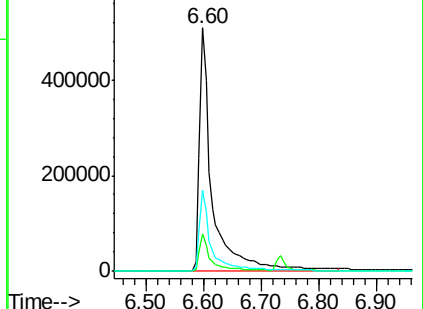
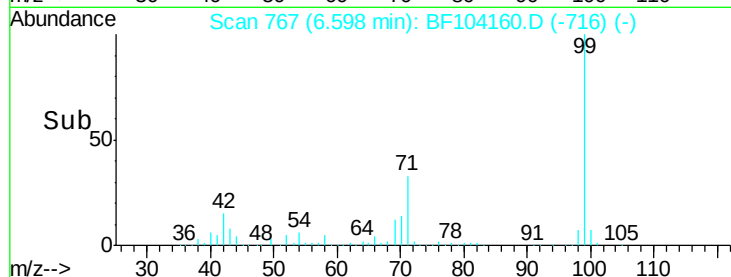
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.24 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF104160.D

Acq: 3 Apr 2018 4:50

Tgt Ion: 136 Resp: 426068

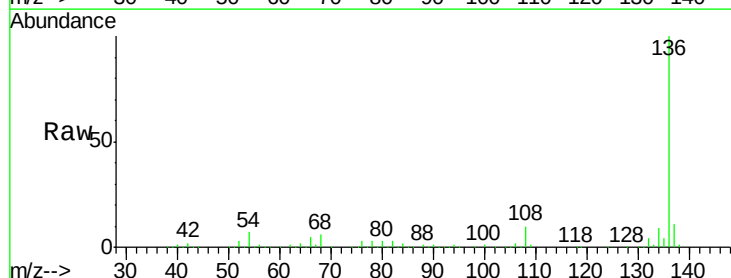
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 6.7 6.6 9.8

68 5.8 5.0 7.4

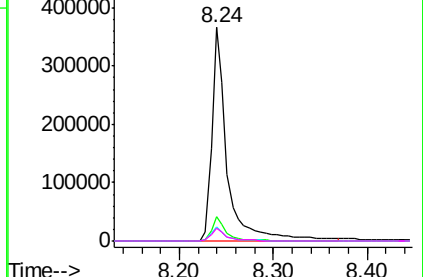
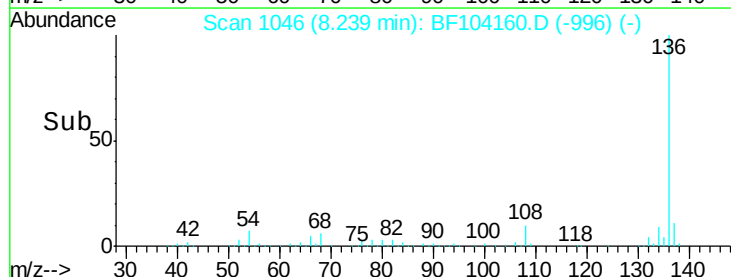


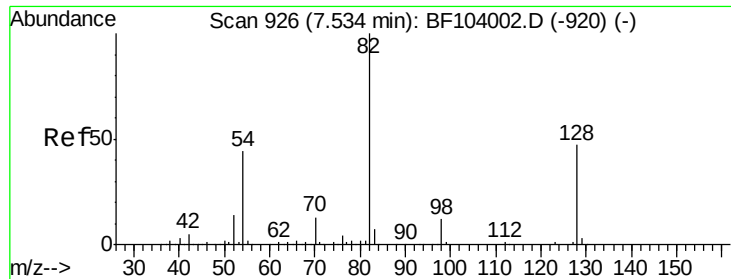
Abundance Ion 136.00 (135.70 to 136.70): E

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





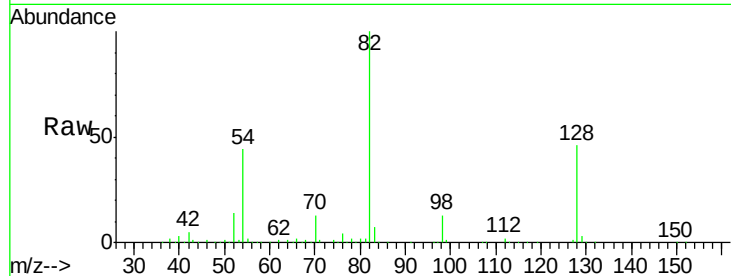
#23
 Nitrobenzene-d5
 Concen: 68.138 ng
 RT: 7.52 min Scan# 924
 Delta R.T. -0.01 min
 Lab File: BF104160.D
 Acq: 3 Apr 2018 4:50

Instrument :
 BNA_F
 ClientSampleId :
 PA-06-COMP

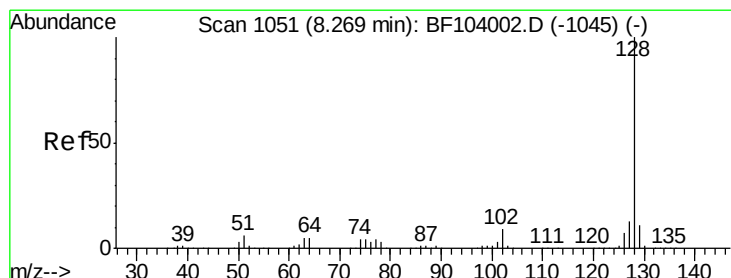
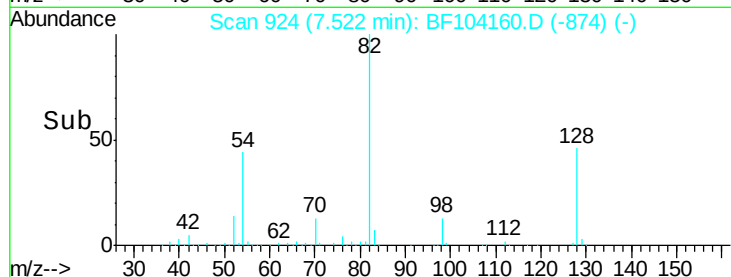
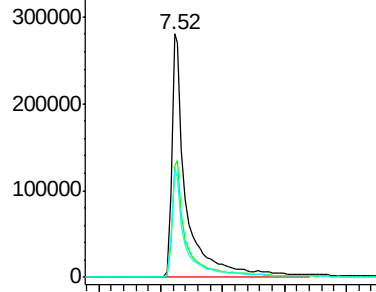
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.1	54.1
54	44.4	41.4	62.2

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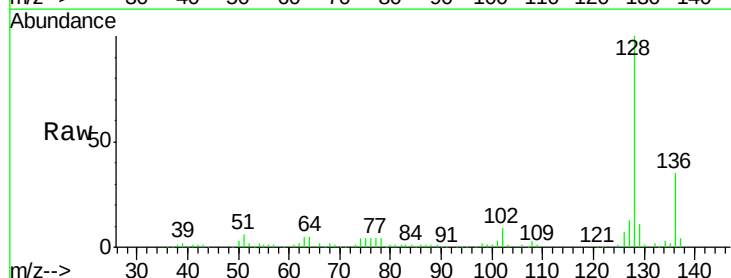


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

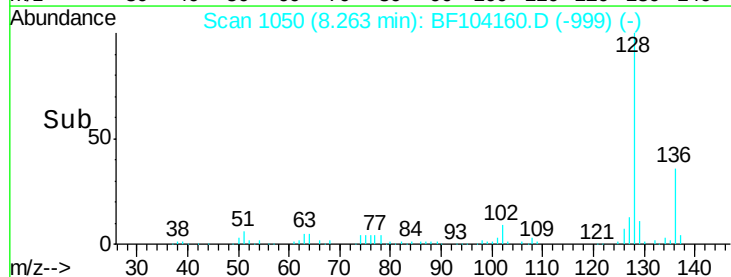
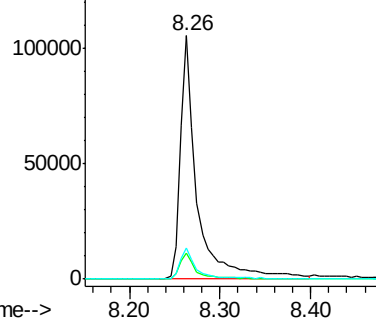


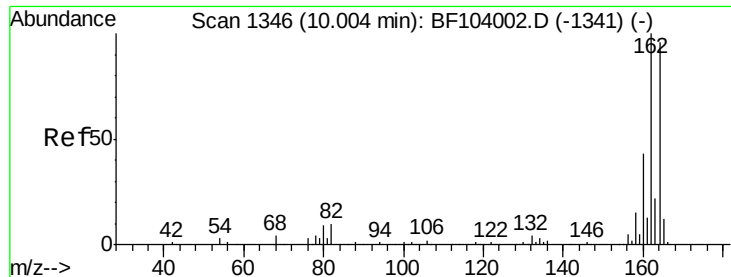
#31
 Naphthalene
 Concen: 6.641 ng
 RT: 8.26 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: BF104160.D
 Acq: 3 Apr 2018 4:50

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	13.0	10.9	16.3



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





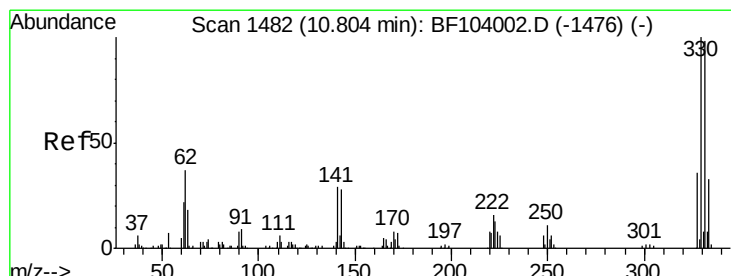
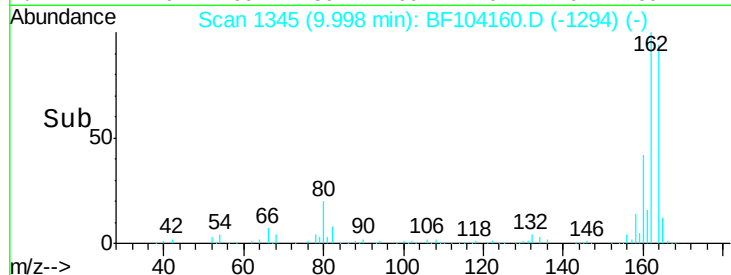
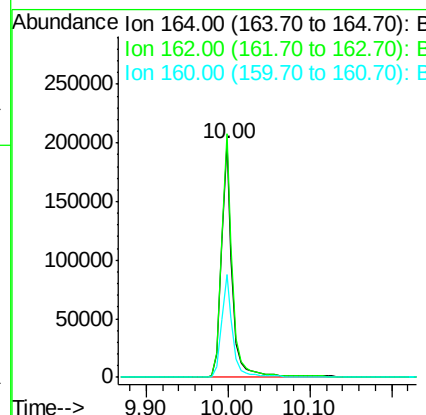
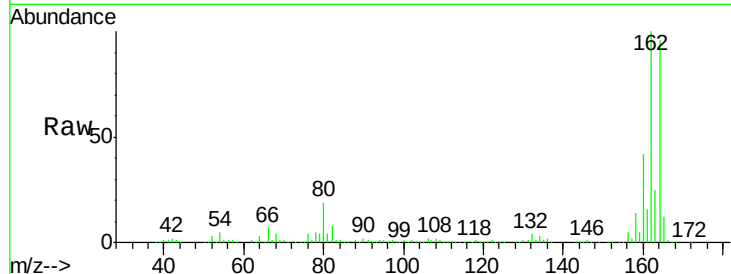
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: BF104160.D
 Acq: 3 Apr 2018 4:50

Instrument :
 BNA_F
 ClientSampleId :
 PA-06-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.8	86.1	129.1	
160	43.6	38.3	57.5	

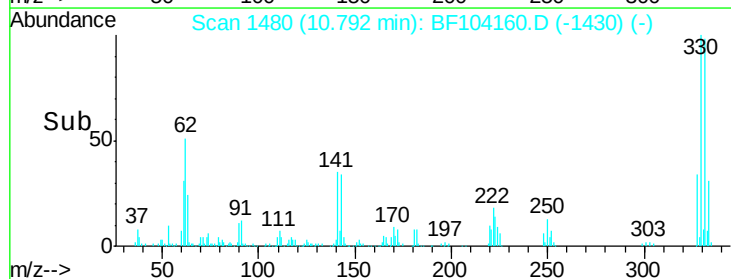
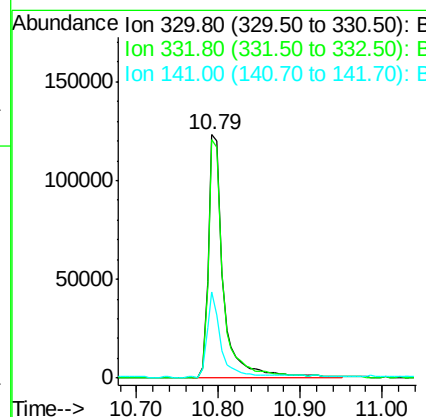
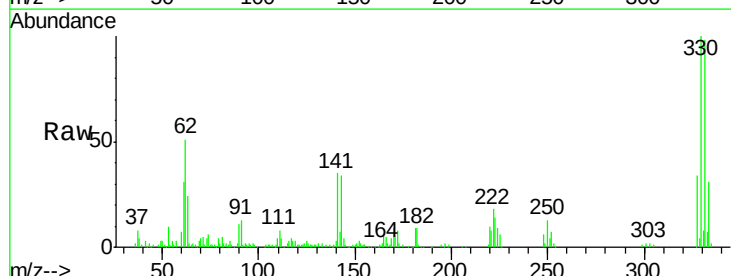
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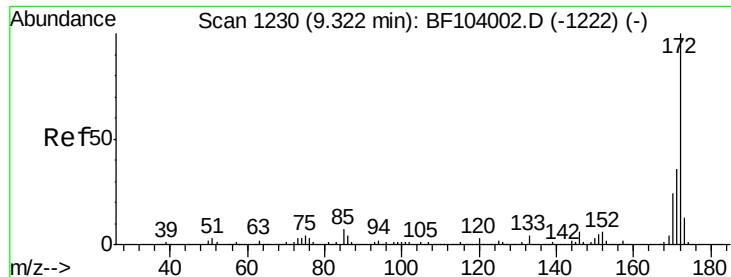
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#41
 2,4,6-Tribromophenol
 Concen: 77.391 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: BF104160.D
 Acq: 3 Apr 2018 4:50

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.1	77.0	115.6	
141	31.1	29.9	44.9	





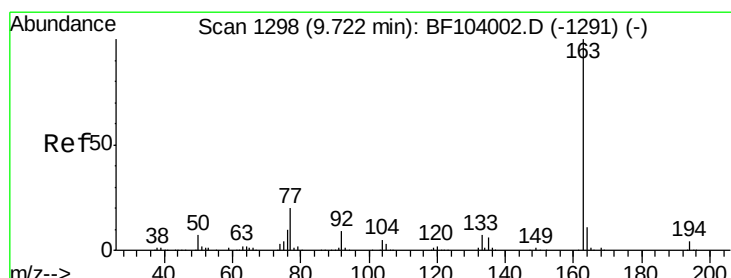
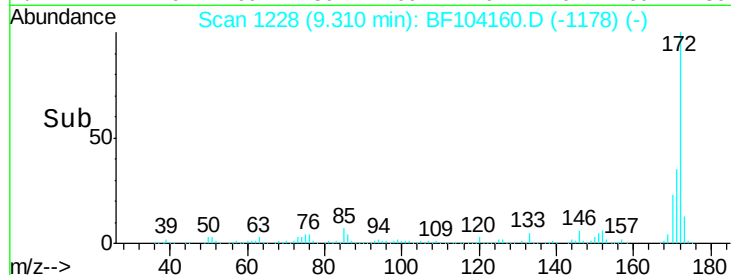
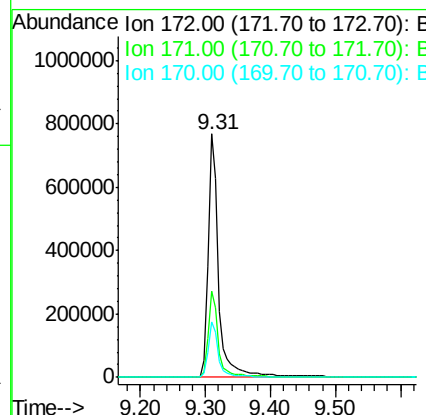
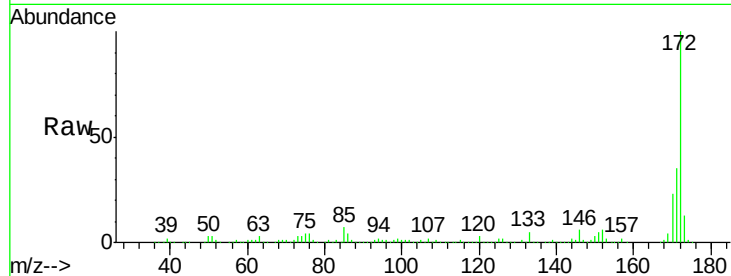
#44
2-Fluorobiphenyl
Concen: 73.279 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF104160.D
Acq: 3 Apr 2018 4:50

Instrument :
BNA_F
ClientSampleId :
PA-06-COMP

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	22.9	19.6	29.4

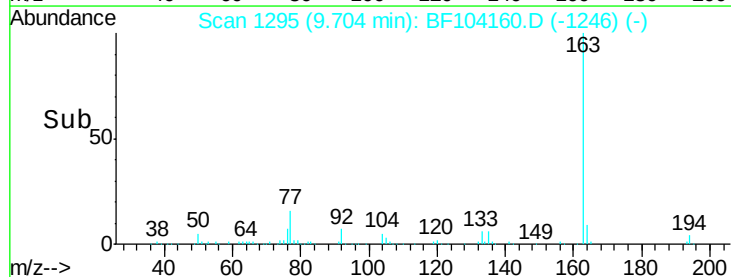
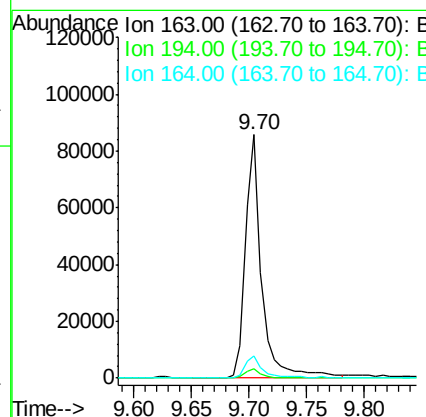
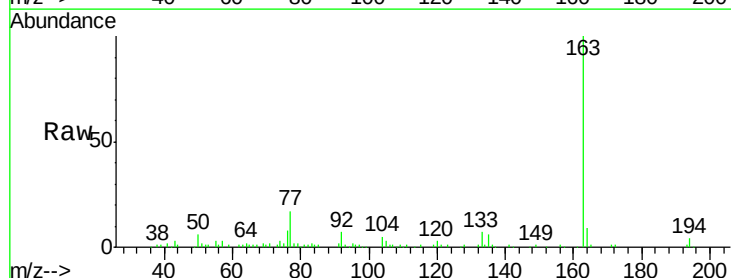
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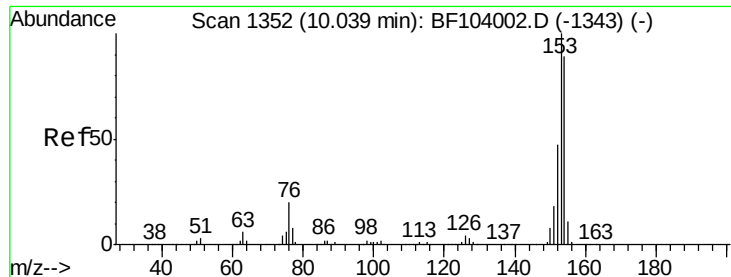
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#49
Dimethylphthalate
Concen: 5.727 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104160.D
Acq: 3 Apr 2018 4:50

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.7	4.1
164	9.3	8.2	12.2





#51

Acenaphthene

Concen: 5.189 ng

RT: 10.03 min Scan# 1350

Delta R.T. -0.01 min

Lab File: BF104160.D

Acq: 3 Apr 2018 4:50

Instrument :

BNA_F

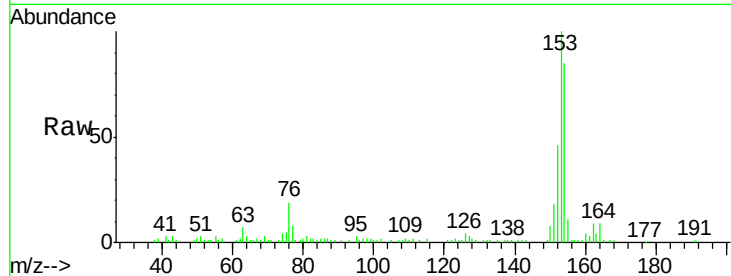
ClientSampleId :

PA-06-COMP

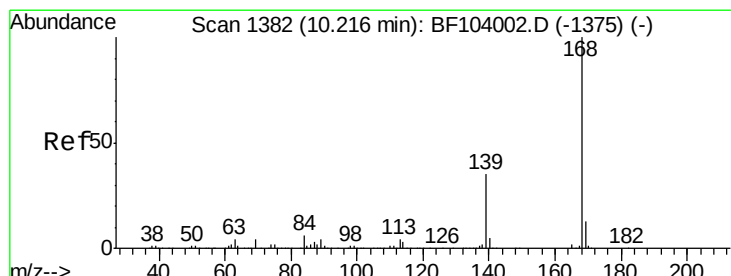
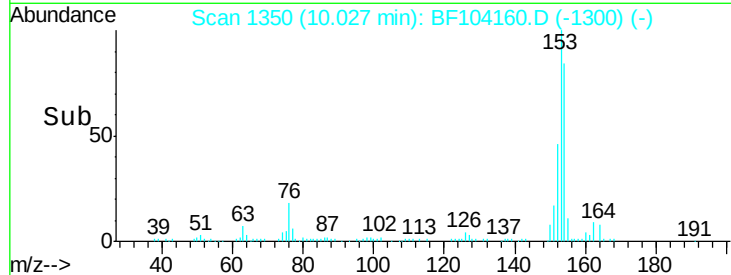
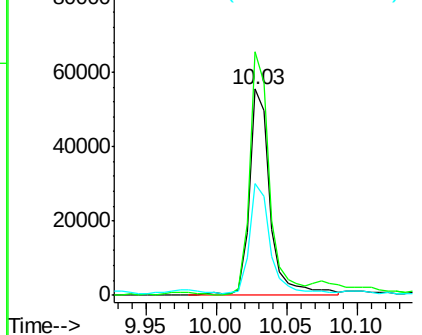
Tot Ion:	154	Resp:	57381
Ion Ratio	Lower	Upper	
154	100		
153	118.0	91.2	136.8
152	54.5	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 3.620 ng

RT: 10.21 min Scan# 1381

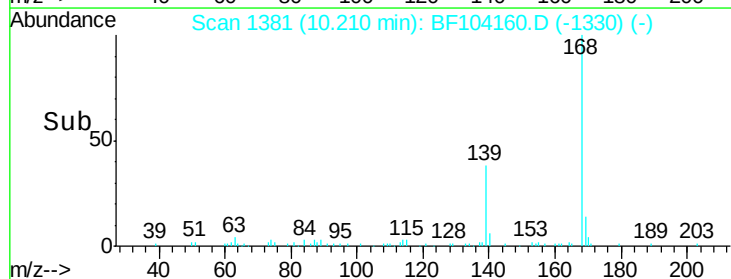
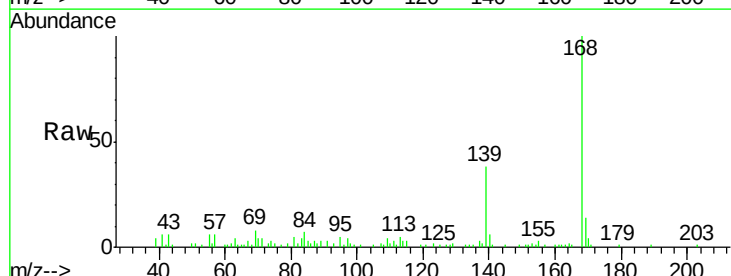
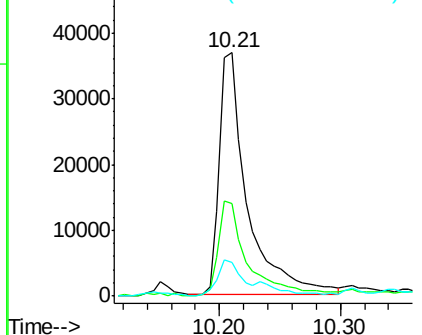
Delta R.T. -0.00 min

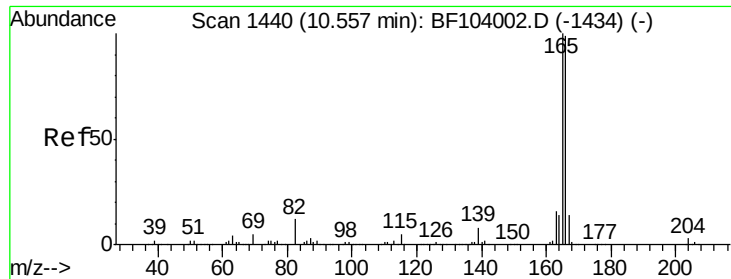
Lab File: BF104160.D

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Tgt Ion:	168	Resp:	58454
Ion Ratio	Lower	Upper	
168	100		
139	38.2	30.1	45.1
169	14.0	10.9	16.3

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





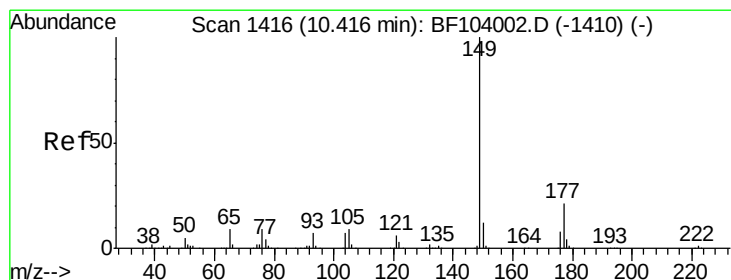
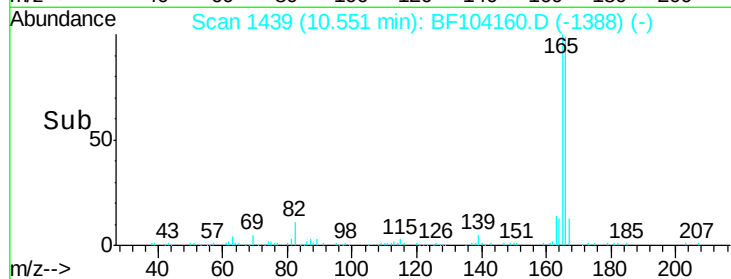
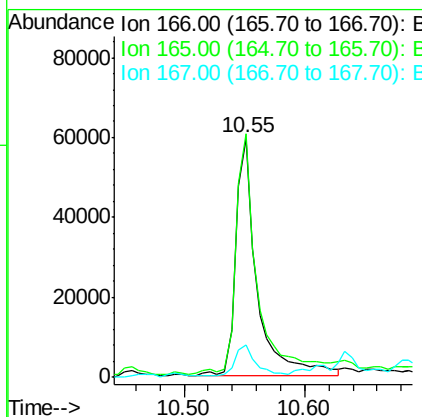
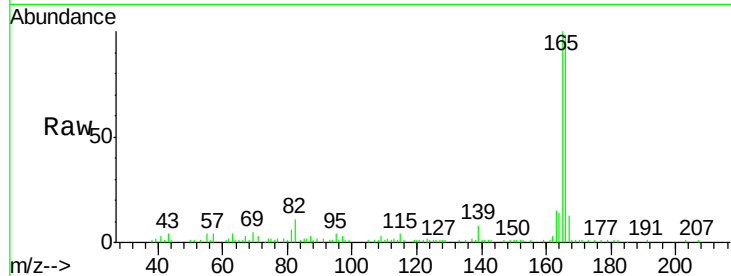
#57
 Fluorene
 Concen: 5.550 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: BF104160.D
 Acq: 3 Apr 2018 4:50

Instrument :
 BNA_F
 ClientSampleId :
 PA-06-COMP

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.0	79.8	119.8
167	13.5	10.6	16.0

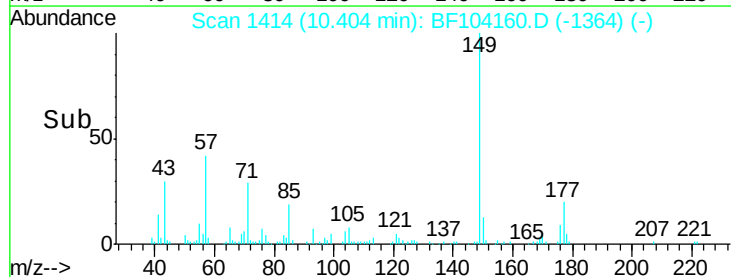
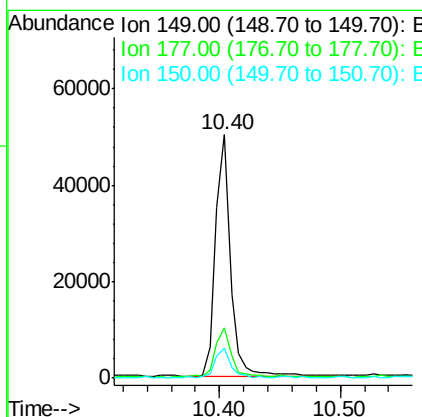
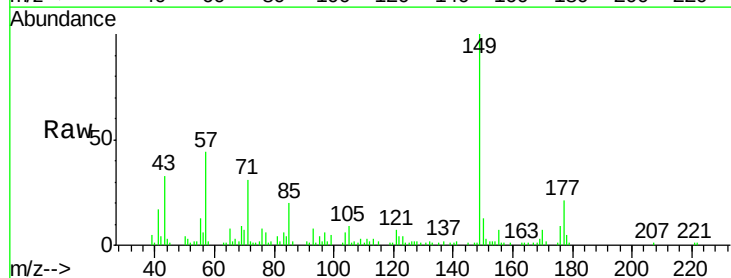
Manual Integrations
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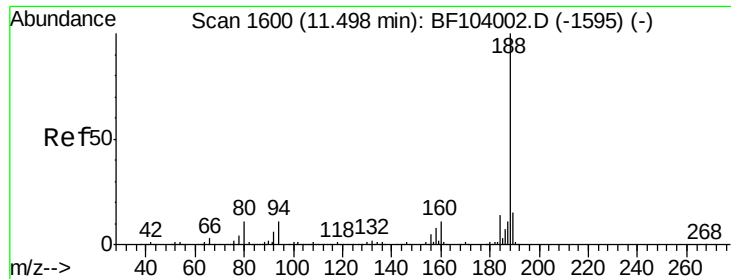
Sohil
 4/3/2018 2:28:03 PM



#59
 Diethylphthalate
 Concen: 3.017 ng
 RT: 10.40 min Scan# 1414
 Delta R.T. -0.01 min
 Lab File: BF104160.D
 Acq: 3 Apr 2018 4:50

Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.9	16.1	24.1
150	12.5	10.1	15.1





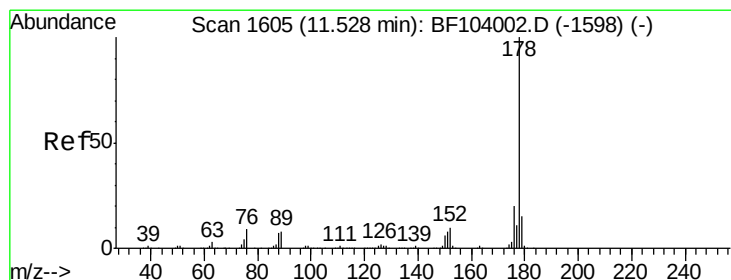
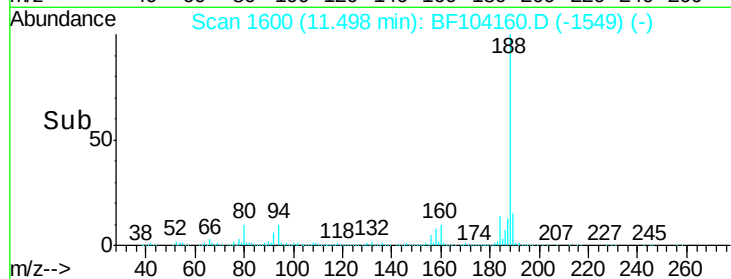
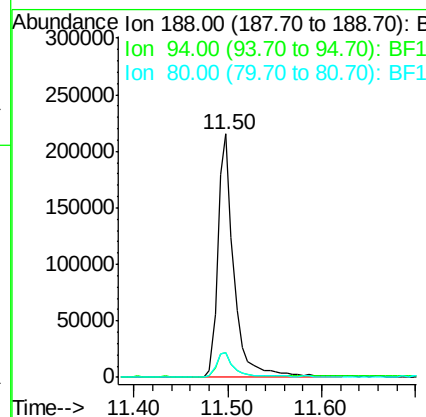
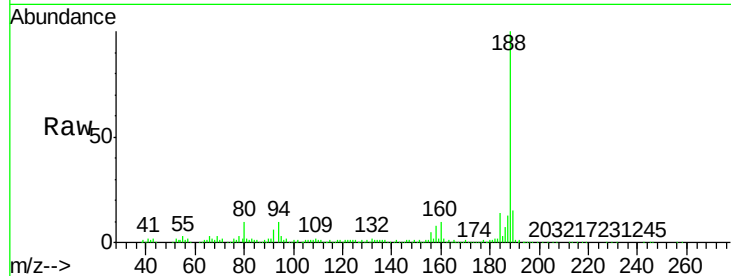
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BF104160.D
Acq: 3 Apr 2018 4:50

Instrument :
BNA_F
ClientSampleId :
PA-06-COMP

Tot Ion	Ratio	Resp	Lower	Upper
188	100	262478		
94	10.1		8.5	12.7
80	10.2		9.2	13.8

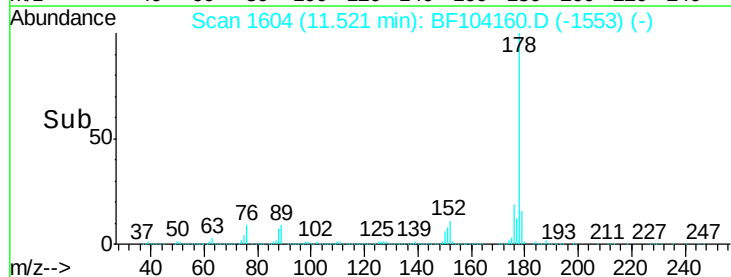
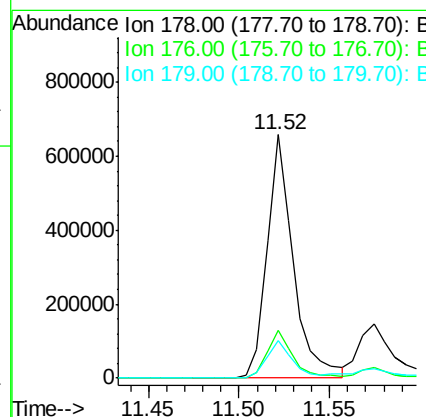
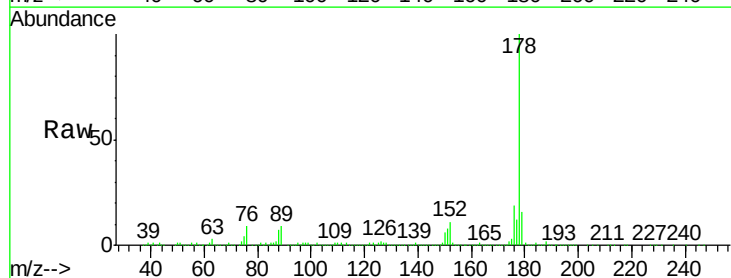
Manual Integrations
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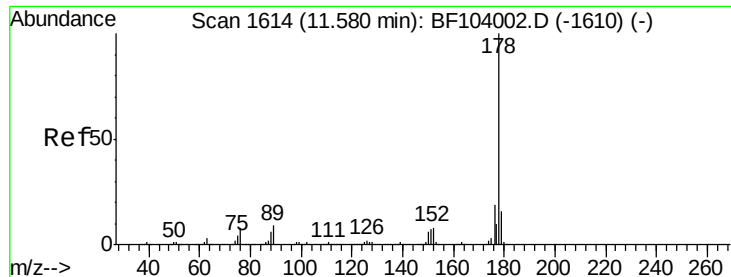
Sohil
4/3/2018 2:28:03 PM



#70
Phenanthrene
Concen: 46.727 ng
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: BF104160.D
Acq: 3 Apr 2018 4:50

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	664024		
176	19.4		15.8	23.8
179	15.6		13.0	19.6





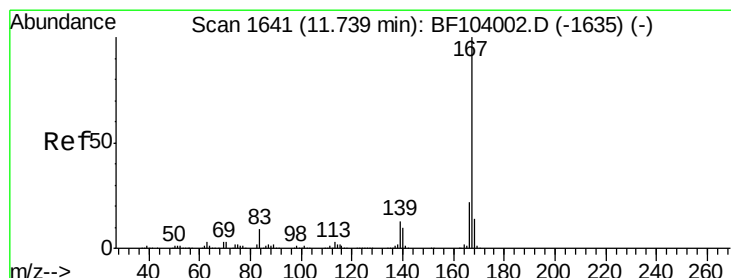
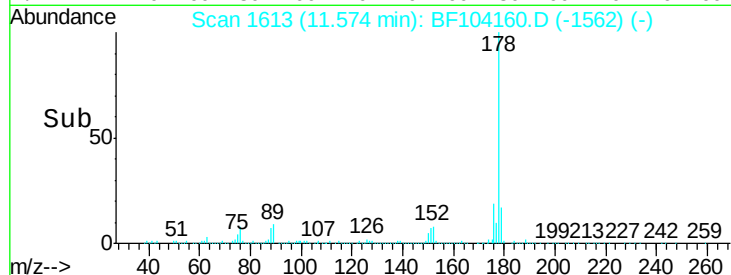
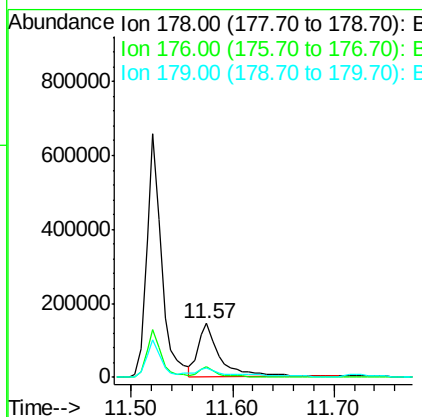
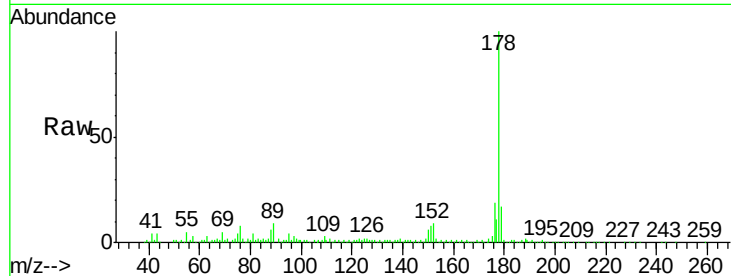
#71
 Anthracene
 Concen: 14.446 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. -0.00 min
 Lab File: BF104160.D
 Acq: 3 Apr 2018 4:50

Instrument :
 BNA_F
 ClientSampleId :
 PA-06-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	16.9	12.6	19.0

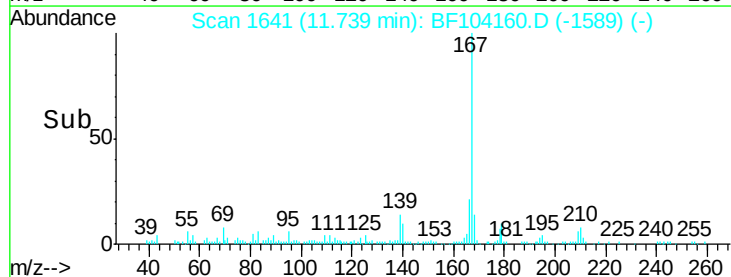
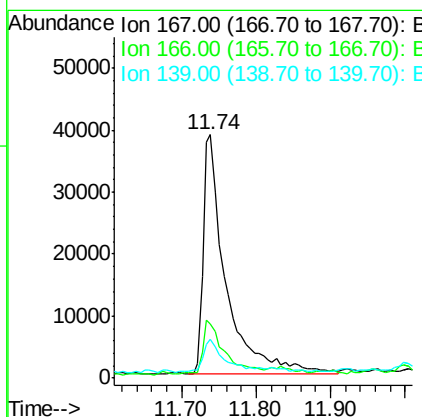
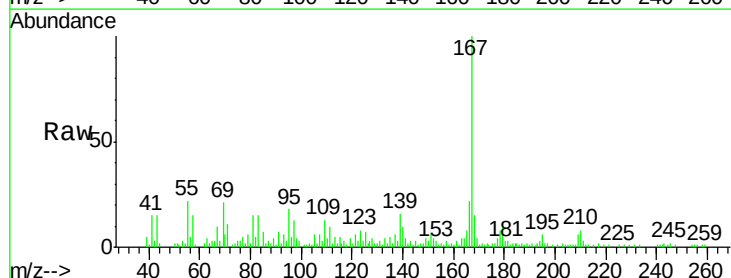
Manual Integrations
 APPROVED

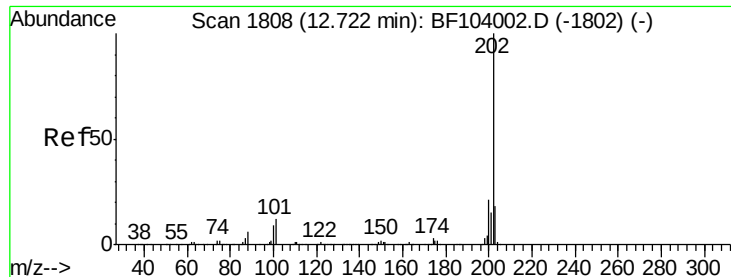
Sohil
 4/3/2018 2:28:03 PM



#72
 Carbazole
 Concen: 5.814 ng
 RT: 11.74 min Scan# 1641
 Delta R.T. 0.01 min
 Lab File: BF104160.D
 Acq: 3 Apr 2018 4:50

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.6	26.4
139	15.9	10.9	16.3





#74

Fluoranthene

Concen: 55.139 ng

RT: 12.72 min Scan# 1808

Delta R.T. 0.01 min

Lab File: BF104160.D

Acq: 3 Apr 2018 4:50

Instrument :

BNA_F

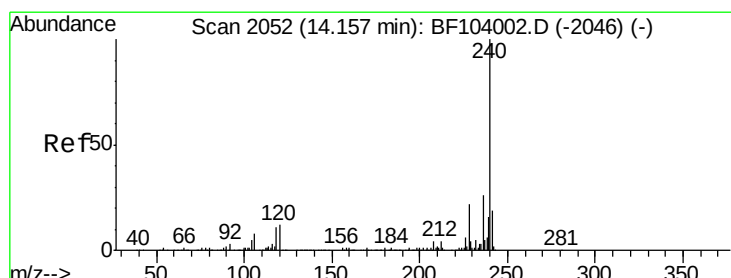
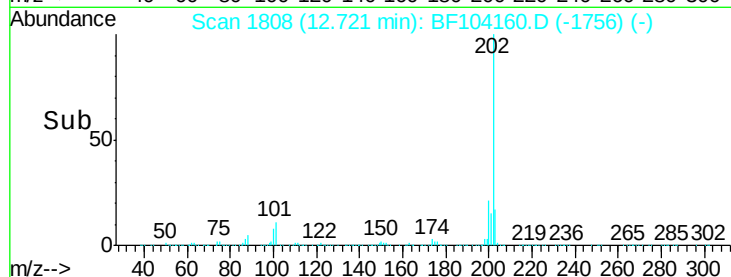
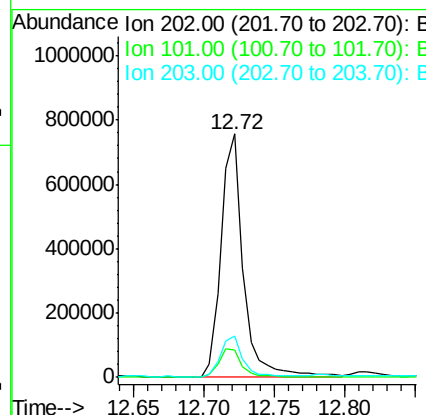
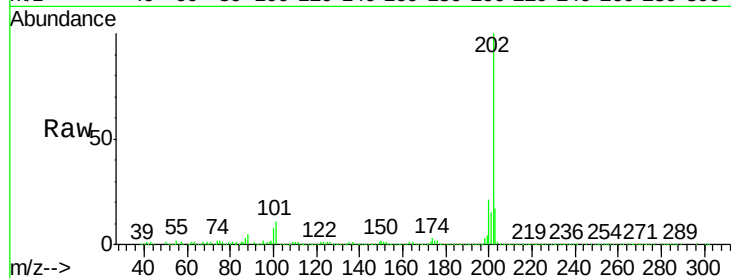
ClientSampled :

PA-06-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.3	0.0	34.1
203	17.2	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

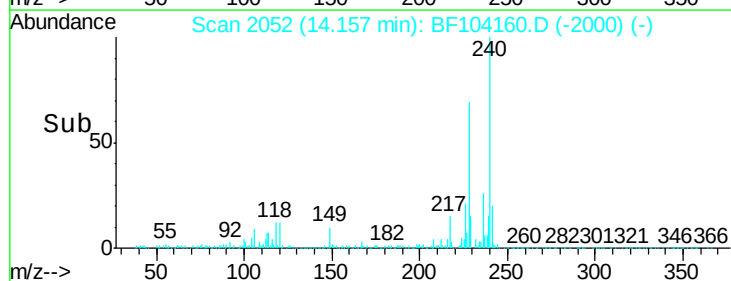
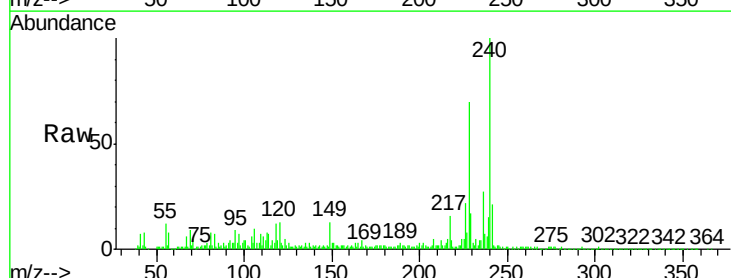
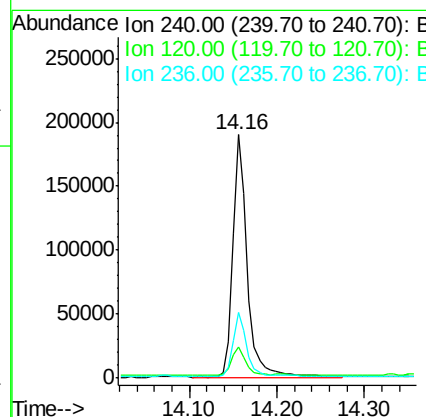
RT: 14.16 min Scan# 2052

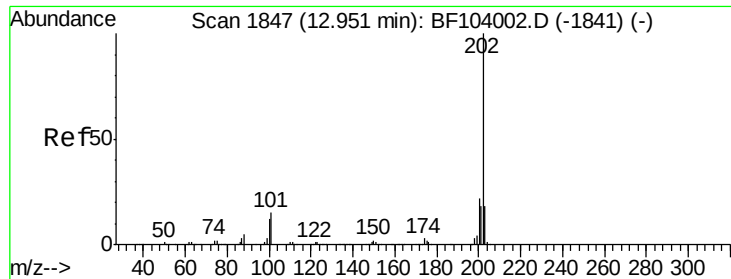
Delta R.T. 0.01 min

Lab File: BF104160.D

Acq: 3 Apr 2018 4:50

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.0	9.5	14.3
236	27.0	20.7	31.1





#77

Pvrene

Concen: 46.198 ng

RT: 12.95 min Scan# 1847

Delta R.T. 0.01 min

Lab File: BF104160.D

Acq: 3 Apr 2018 4:50

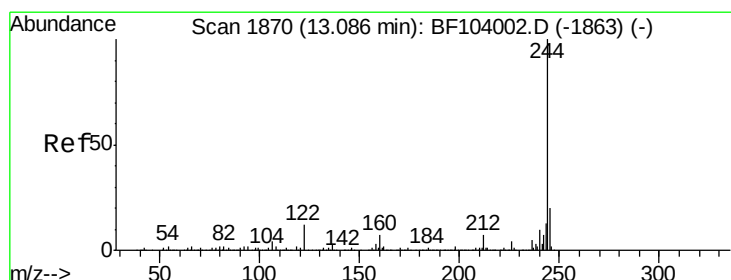
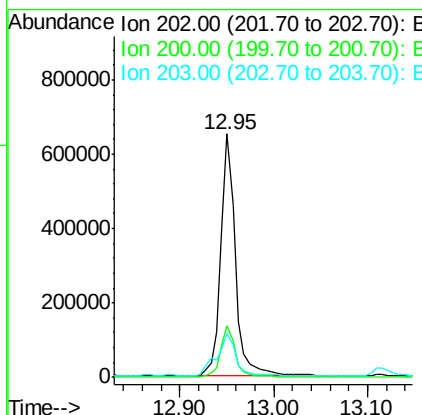
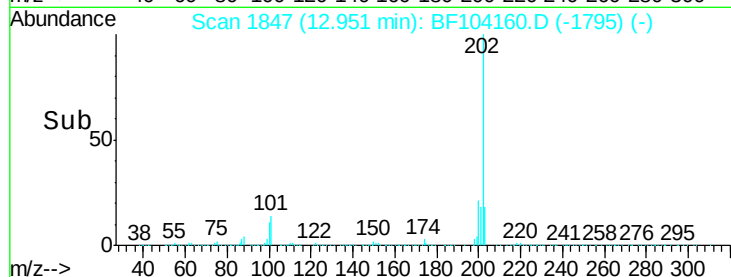
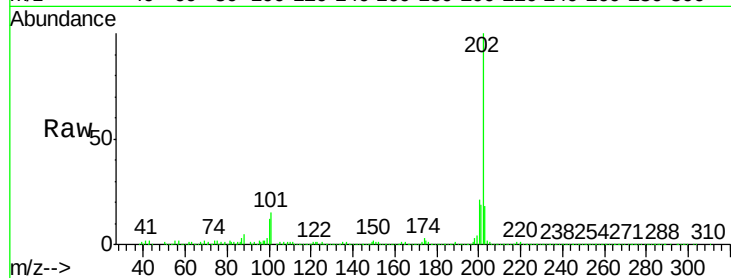
Instrument :
BNA_F

ClientSampled :
PA-06-COMP

Tot Ion	Ratio	Resp	Lower	Upper
202	100	717941		
200	21.5		17.4	26.2
203	18.2		14.3	21.5

Manual Integrations
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4/3/2018 2:28:03 PM



#78

Terphenyl-d14

Concen: 61.102 ng

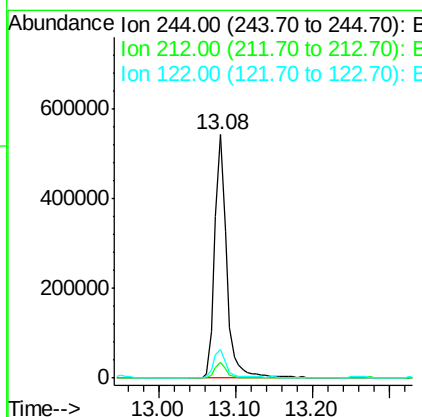
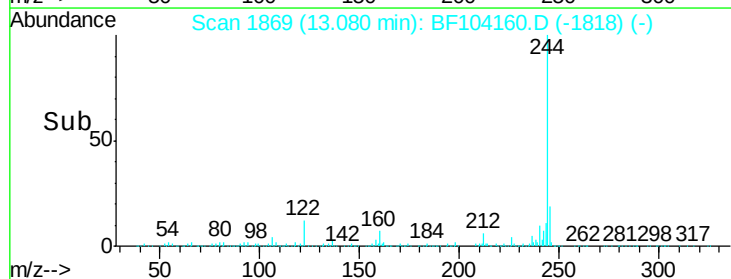
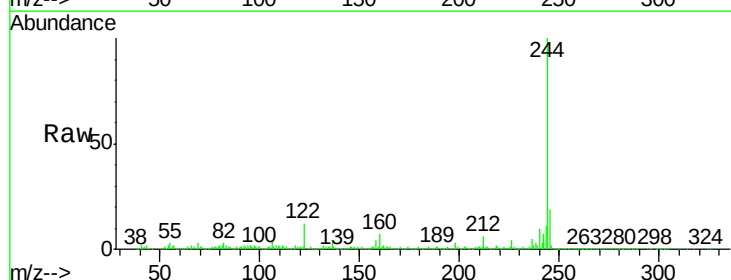
RT: 13.08 min Scan# 1869

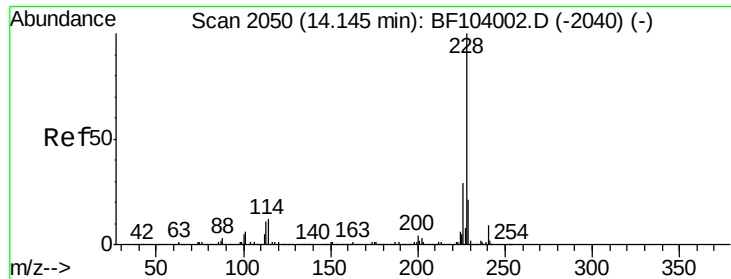
Delta R.T. -0.00 min

Lab File: BF104160.D

Acq: 3 Apr 2018 4:50

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	572088		
212	6.5		5.4	8.0
122	12.0		11.0	16.4





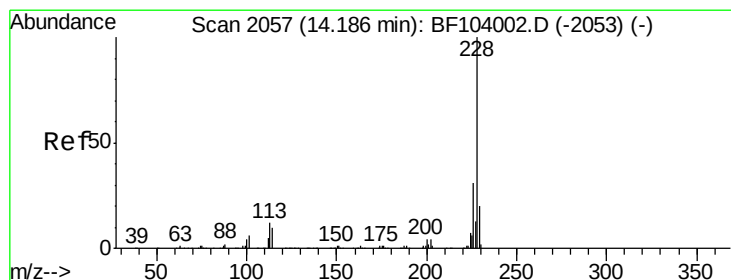
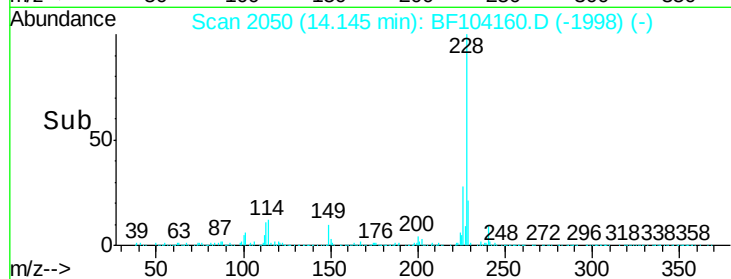
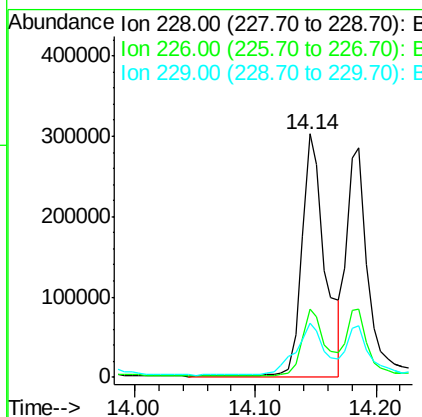
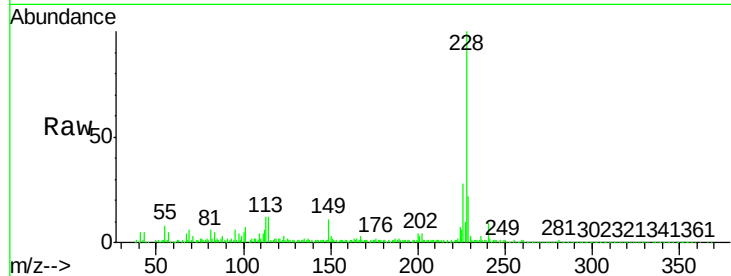
#80
Benzo(a)anthracene
Concen: 29.813 ng
RT: 14.14 min Scan# 2050
Delta R.T. 0.01 min
Lab File: BF104160.D
Acq: 3 Apr 2018 4:50

Instrument :
BNA_F
ClientSampleId :
PA-06-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	22.3	15.8	23.6

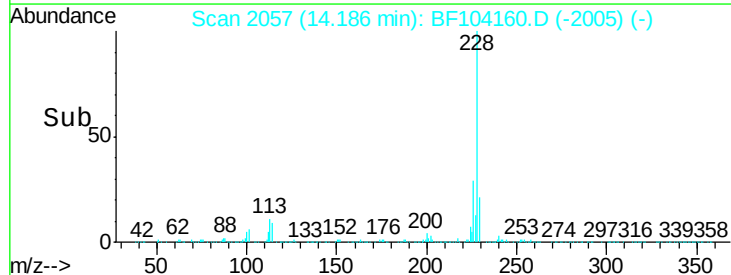
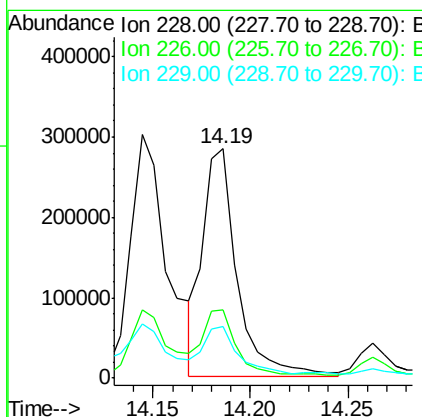
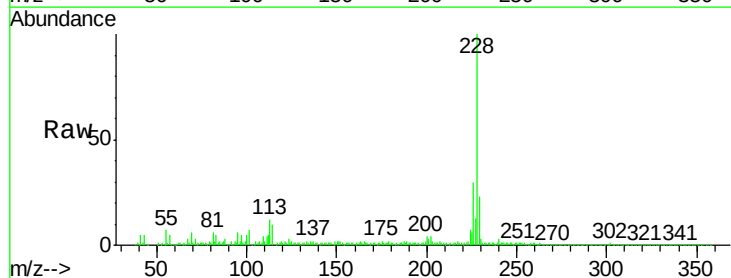
Manual Integrations
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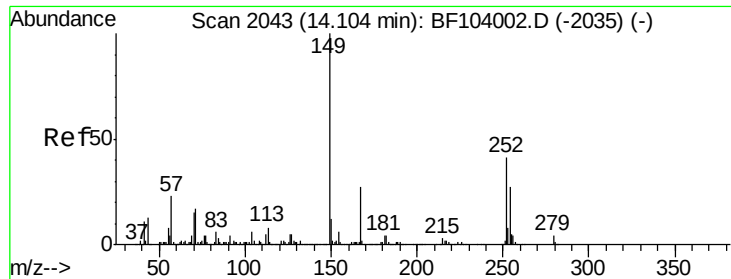
Sohil
4/3/2018 2:28:03 PM



#82
Chrysene
Concen: 26.295 ng
RT: 14.19 min Scan# 2057
Delta R.T. 0.01 min
Lab File: BF104160.D
Acq: 3 Apr 2018 4:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	22.6	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 8.094 ng

RT: 14.10 min Scan# 2042

Delta R.T. -0.00 min

Lab File: BF104160.D

Acq: 3 Apr 2018 4:50

Instrument :

BNA_F

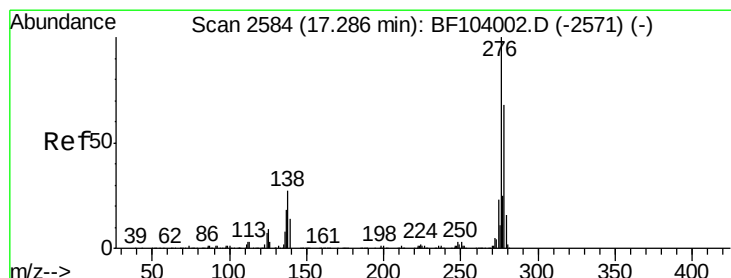
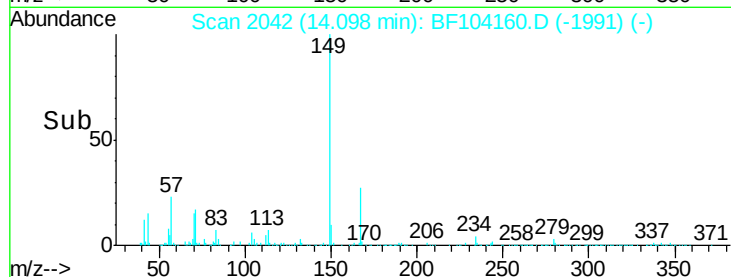
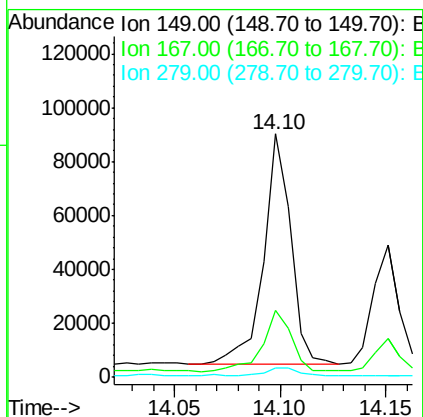
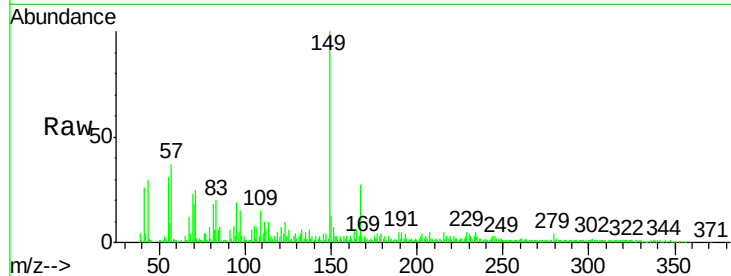
ClientSampleId :

PA-06-COMP

Tot Ion:	149	Resp:	76572
Ion Ratio	Lower	Upper	
149	100		
167	27.4	21.3	31.9
279	3.6	3.0	4.4

Manual Integrations
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Sohil
4/3/2018 2:28:03 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 9.354 ng

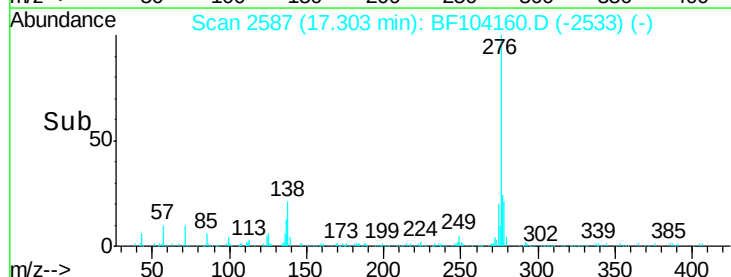
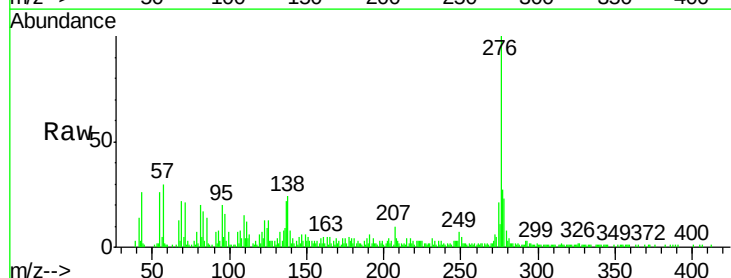
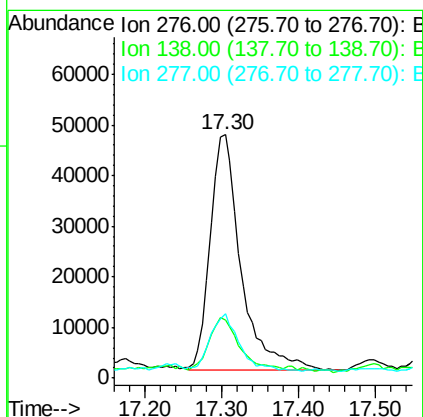
RT: 17.30 min Scan# 2587

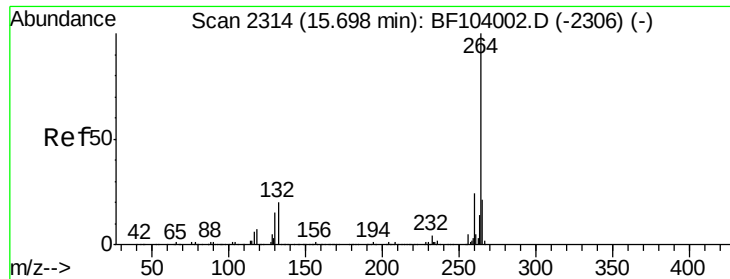
Delta R.T. 0.02 min

Lab File: BF104160.D

Acq: 3 Apr 2018 4:50

Tgt Ion:	276	Resp:	128426
Ion Ratio	Lower	Upper	
276	100		
138	21.0	25.0	37.6#
277	23.4	20.1	30.1





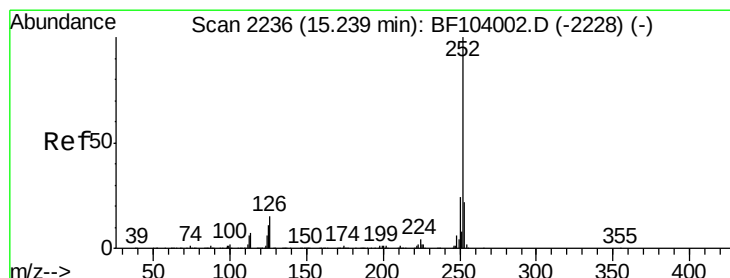
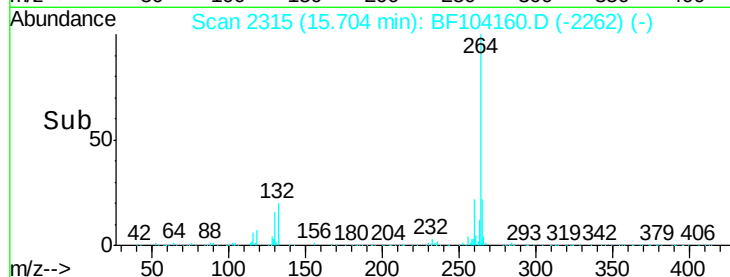
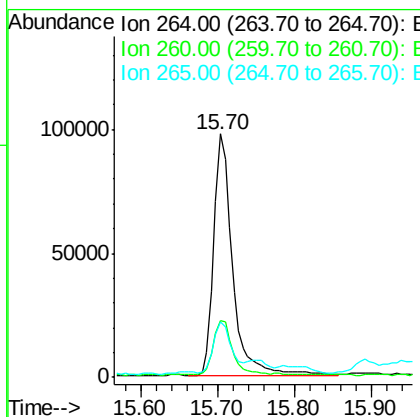
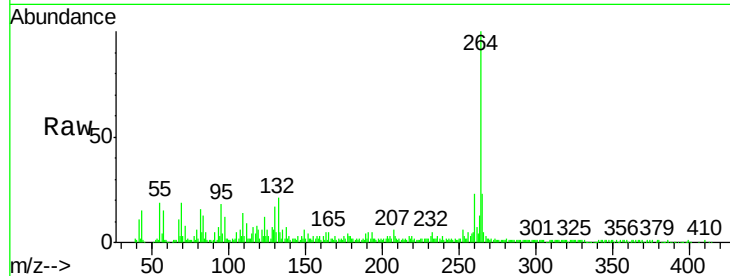
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2315
Delta R.T. 0.01 min
Lab File: BF104160.D
Acq: 3 Apr 2018 4:50

Instrument :
BNA_F
ClientSampleId :
PA-06-COMP

Tot Ion:264	Resp:	165001
Ion Ratio	Lower	Upper
264 100		
260 23.3	19.2	28.8
265 22.6	17.5	26.3

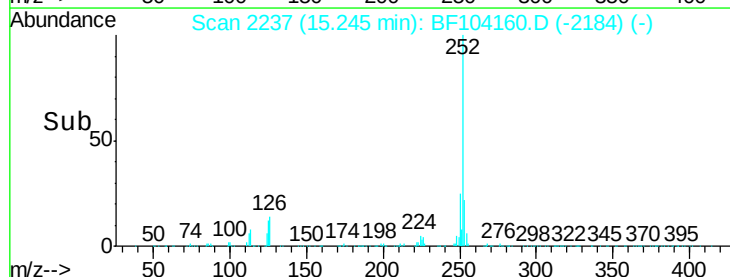
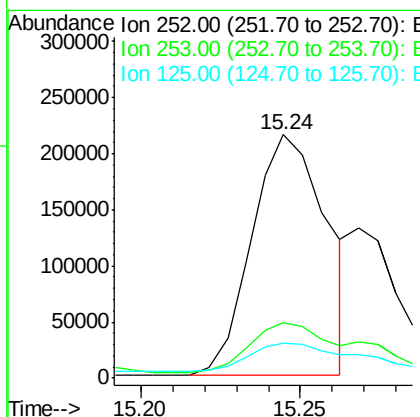
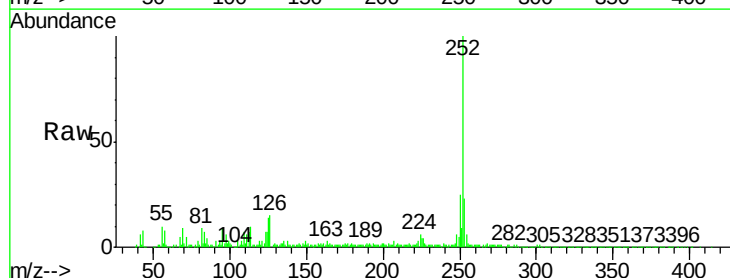
Manual Integrations
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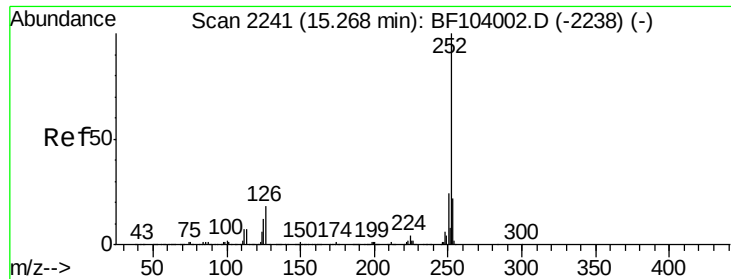
Sohil
4/3/2018 2:28:03 PM



#87
Benzo(b)fluoranthene
Concen: 35.036 ng m
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF104160.D
Acq: 3 Apr 2018 4:50

Tgt Ion:252	Resp:	351829
Ion Ratio	Lower	Upper
252 100		
253 22.9	17.0	25.6
125 14.4	9.0	13.6#





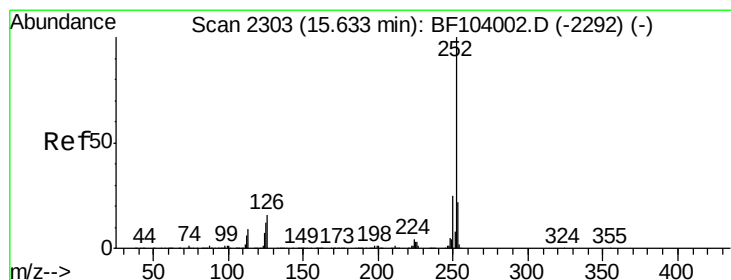
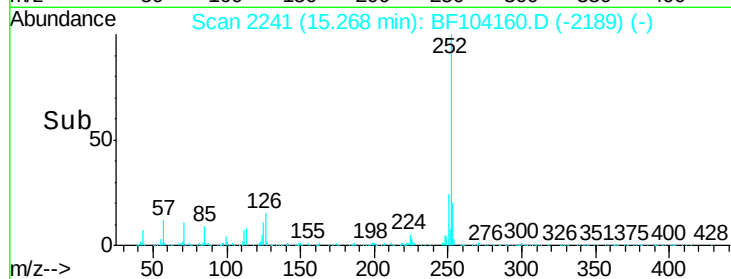
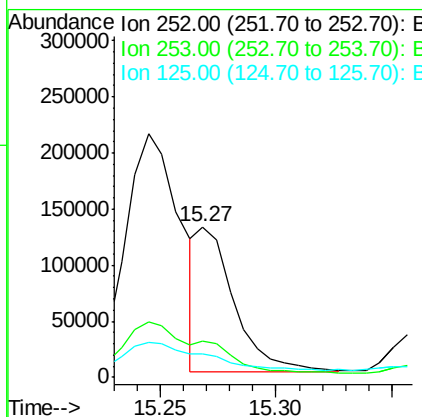
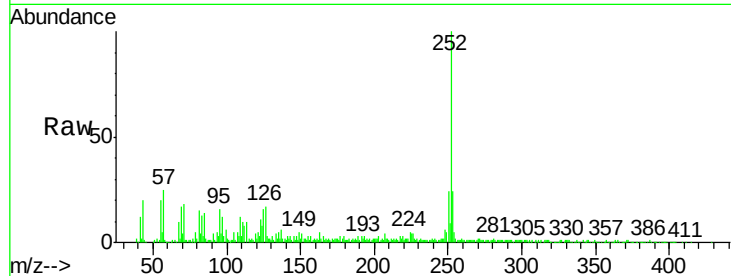
#88
Benzo(k)fluoranthene
Concen: 15.200 ng m
RT: 15.27 min Scan# 2241
Delta R.T. 0.01 min
Lab File: BF104160.D
Acq: 3 Apr 2018 4:50

Instrument :
BNA_F
ClientSampleId :
PA-06-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	15.8	10.2	15.2

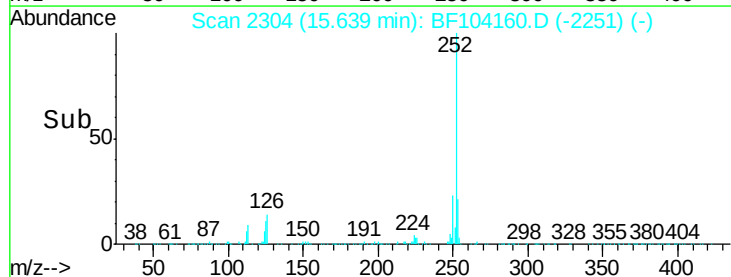
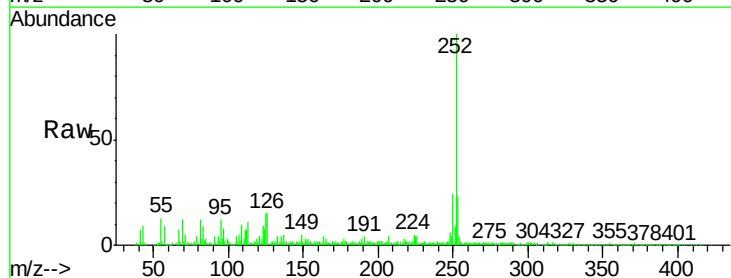
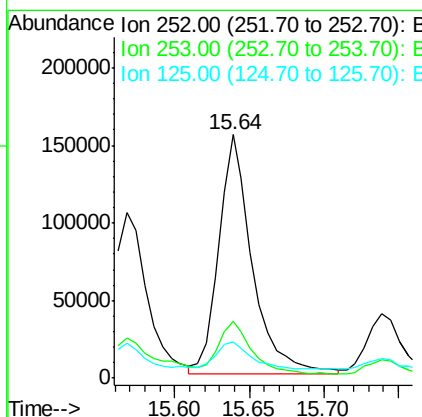
Manual Integrations
APPROVED

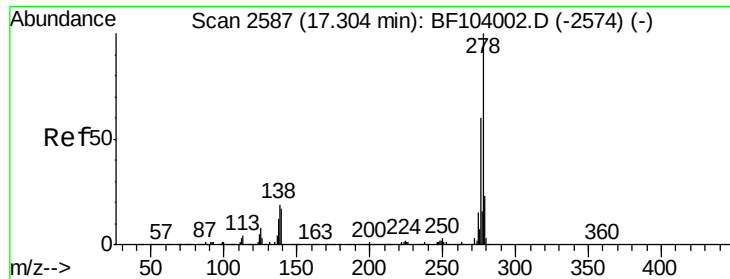
Sohil
4/3/2018 2:28:03 PM



#89
Benzo(a)pyrene
Concen: 25.975 ng
RT: 15.64 min Scan# 2304
Delta R.T. 0.01 min
Lab File: BF104160.D
Acq: 3 Apr 2018 4:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	15.0	9.8	14.6





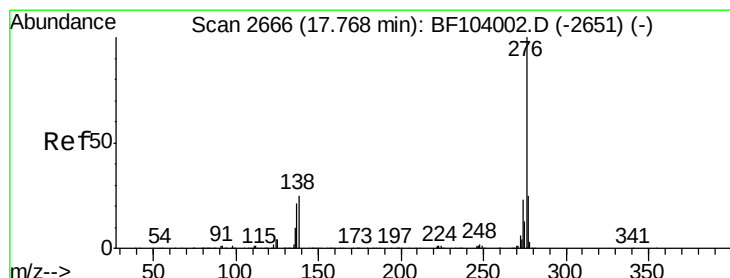
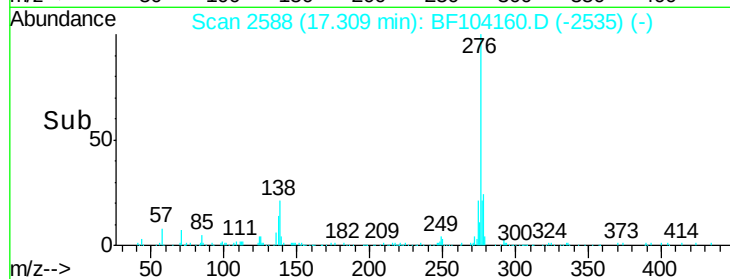
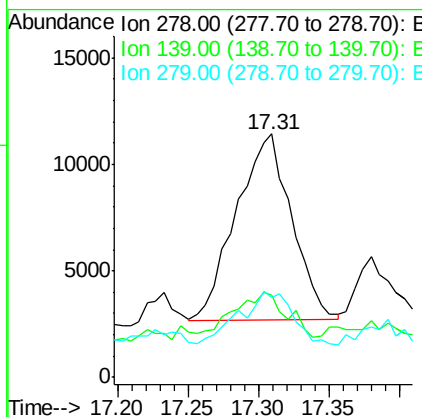
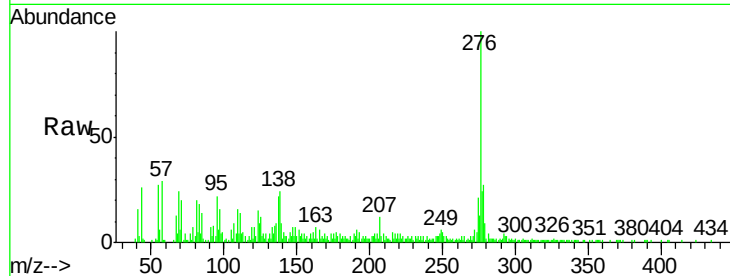
#90
Dibenzo(a,h)anthracene
Concen: 2.785 ng
RT: 17.31 min Scan# 2588
Delta R.T. 0.01 min
Lab File: BF104160.D
Acq: 3 Apr 2018 4:50

Instrument :
BNA_F
ClientSampled :
PA-06-COMP

Tot Ion	Ratio	Lower	Upper
278	100		
139	34.1	15.9	23.9#
279	32.5	19.0	28.4#

Manual Integrations
APPROVED

Sohil
4/3/2018 2:28:03 PM



#91
Benzo(g,h,i)perylene
Concen: 14.506 ng
RT: 17.79 min Scan# 2669
Delta R.T. 0.02 min
Lab File: BF104160.D
Acq: 3 Apr 2018 4:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.3	17.9	26.9#
138	24.6	21.8	32.8

