

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
 Data File : BF104073.D
 Acq On : 30 Mar 2018 2:13
 Operator : JU/SJ
 Sample : J2122-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB-12-COMP

Manual Integrations
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 3/30/2018 6:03:11 PM

Quant Time: Mar 30 07:09:20 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 13:41:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	112013	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	473747	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	194894	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	288851	20.00	ng	0.00
75) Chrysene-d12	14.16	240	238869	20.00	ng	0.00
86) Perylene-d12	15.70	264	232016	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	601402	85.62	ng	0.00
7) Phenol-d6	6.60	99	812961	94.08	ng	0.00
23) Nitrobenzene-d5	7.53	82	480021	61.97	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	162333	74.80	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	843901	68.28	ng	0.00
78) Terphenyl-d14	13.08	244	529282	51.16	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.71	163	70254	4.566	ng	99
70) Phenanthrene	11.53	178	87515	5.596	ng	99
71) Anthracene	11.58	178	35687	2.185	ng	96
74) Fluoranthene	12.72	202	129002	7.760	ng	98
77) Pyrene	12.95	202	114161	6.648	ng	100
80) Benzo(a)anthracene	14.14	228	67146	4.492	ng	96
82) Chrysene	14.18	228	52236	3.568	ng	95
87) Benzo(b)fluoranthene	15.24	252	68039m	4.819	ng	
88) Benzo(k)fluoranthene	15.26	252	30624m	2.302	ng	
89) Benzo(a)pyrene	15.63	252	52149	3.985	ng	# 88
91) Benzo(g,h,i)perylene	17.77	276	29493	2.434	ng	# 95

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

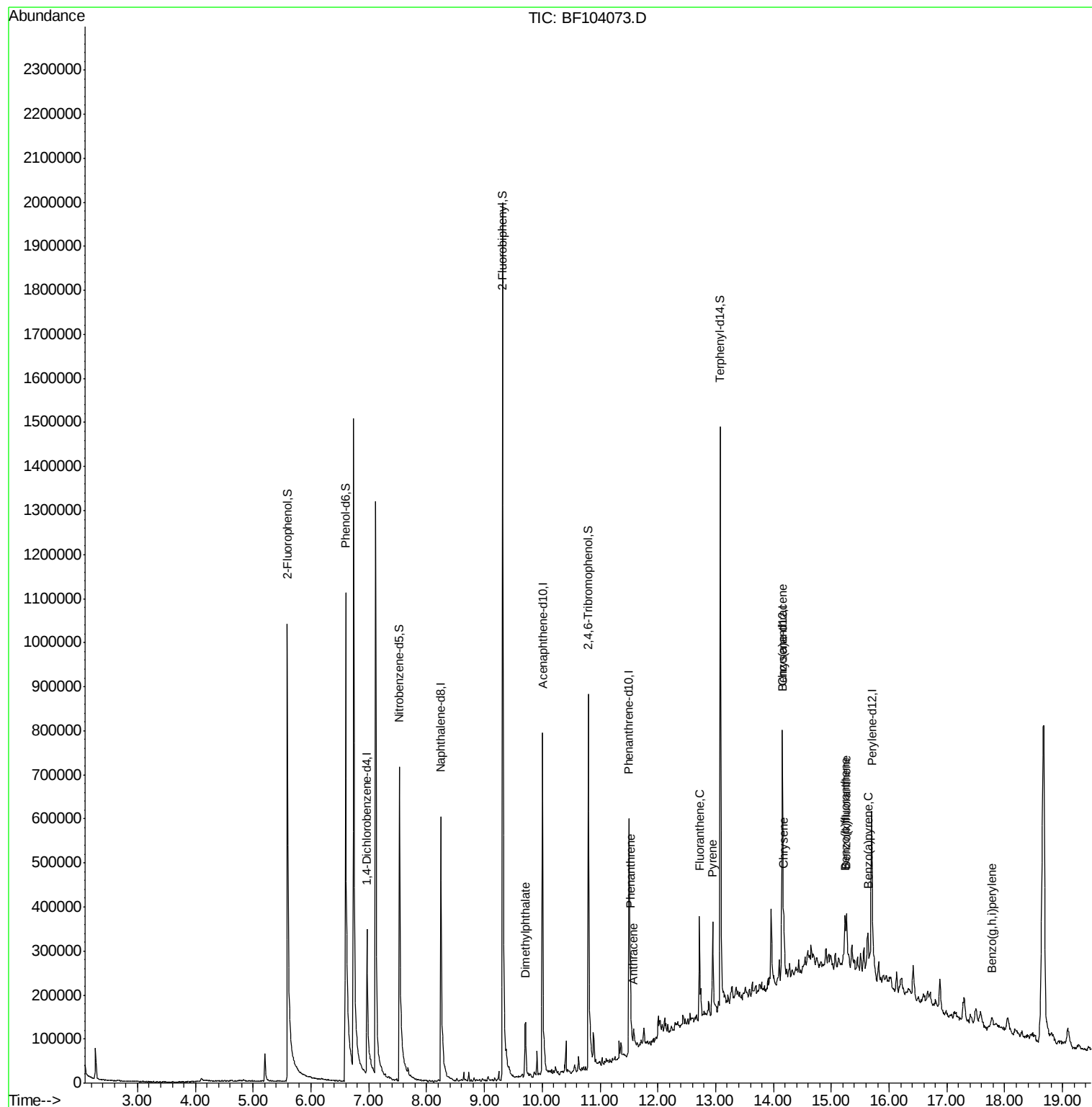
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
Data File : BF104073.D
Acq On : 30 Mar 2018 2:13
Operator : JU/SJ
Sample : J2122-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
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Manual Integrations
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#1

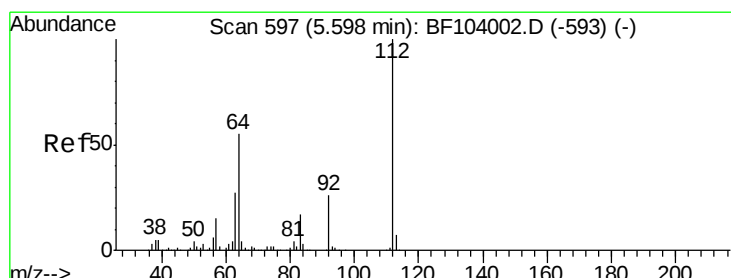
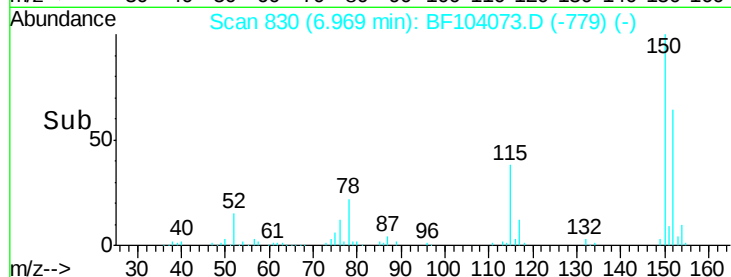
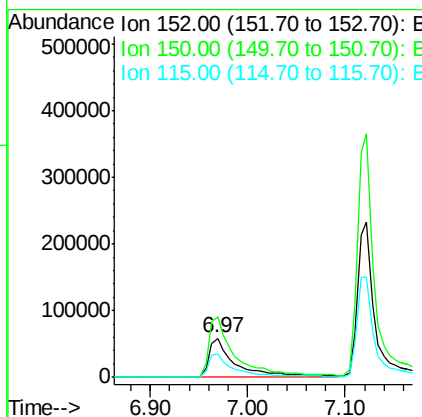
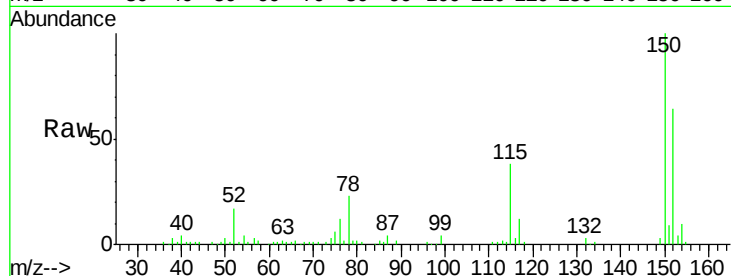
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF104073.D
Acq: 30 Mar 2018 2:13

Instrument :
BNA_F
ClientSampleId :
PB-12-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.6	186.8
115	60.3	50.1	75.1

Manual Integrations
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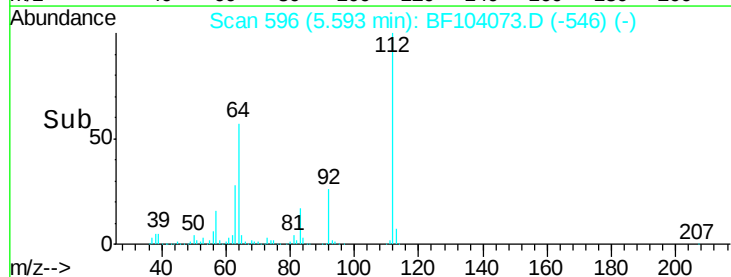
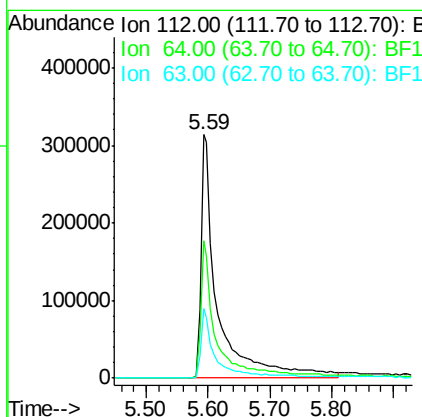
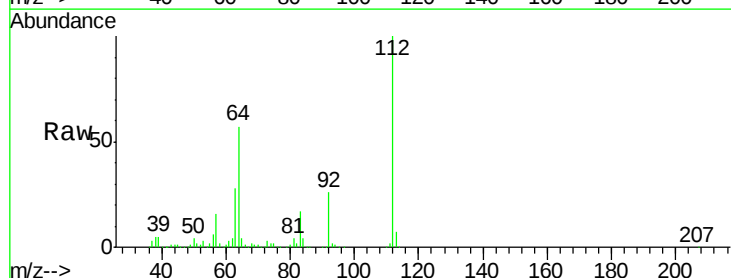
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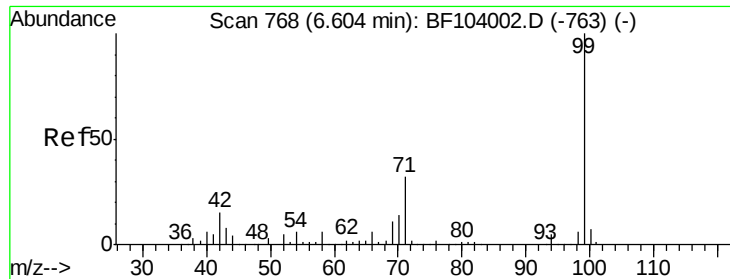


#5

2-Fluorophenol
Concen: 85.623 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF104073.D
Acq: 30 Mar 2018 2:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	47.9	71.9
63	28.4	23.7	35.5





#7

Phenol-d6

Concen: 94.077 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF104073.D

Acq: 30 Mar 2018 2:13

Instrument :

BNA_F

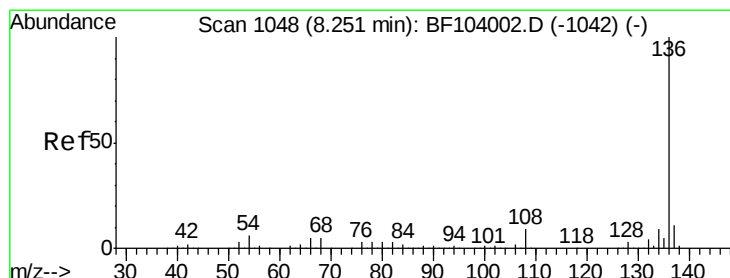
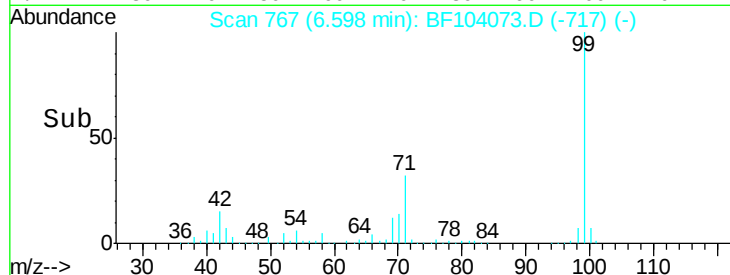
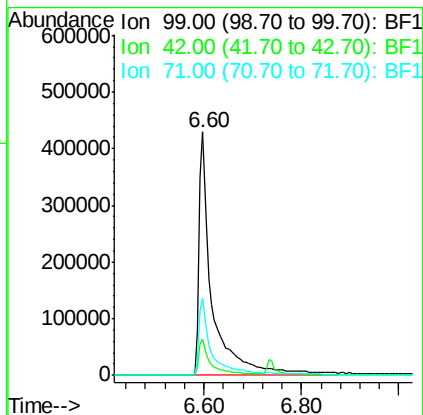
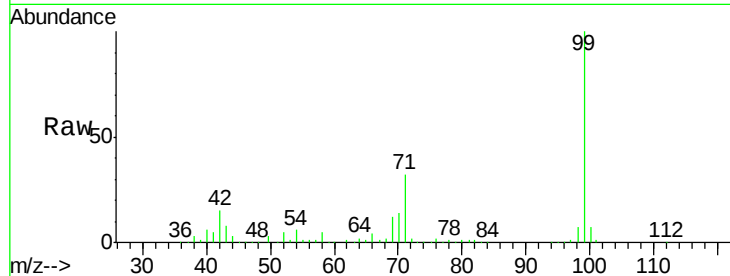
ClientSampleId :

PB-12-COMP

Tot Ion:	99	Resp:	812961
Ion	Ratio	Lower	Upper
99	100		
42	14.8	14.5	21.7
71	31.7	25.4	38.0

Manual Integrations
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#21

Naphthalene-d8

Concen: 20.000 ng

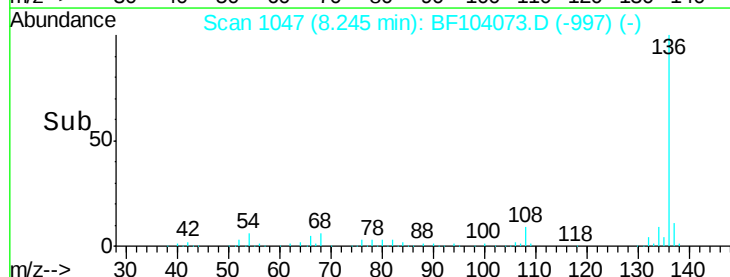
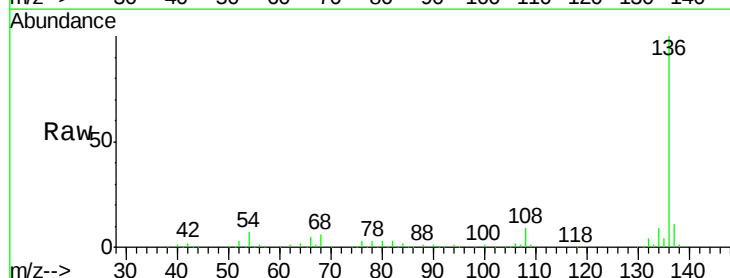
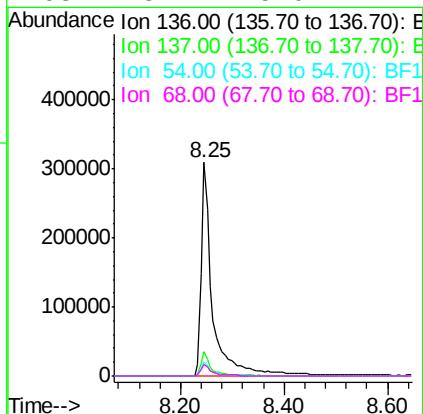
RT: 8.25 min Scan# 1047

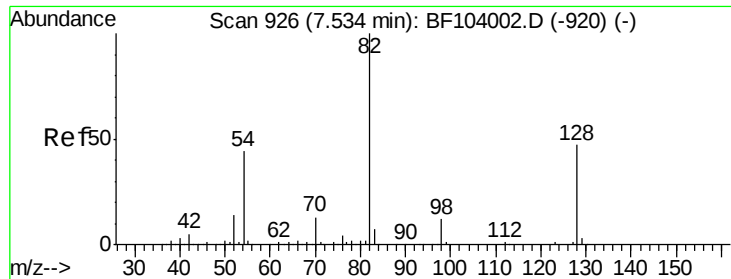
Delta R.T. -0.01 min

Lab File: BF104073.D

Acq: 30 Mar 2018 2:13

Tgt Ion:	136	Resp:	473747
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	6.5	6.6	9.8#
68	5.7	5.0	7.4





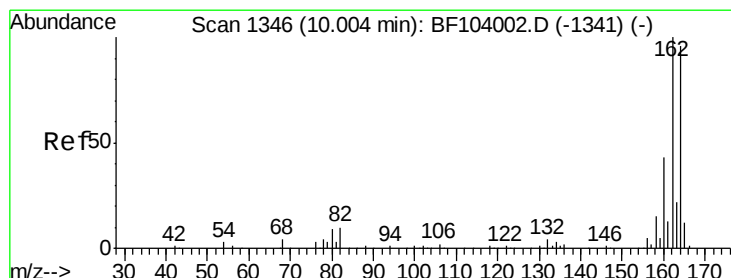
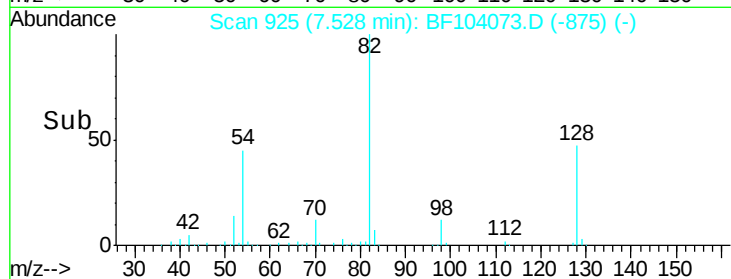
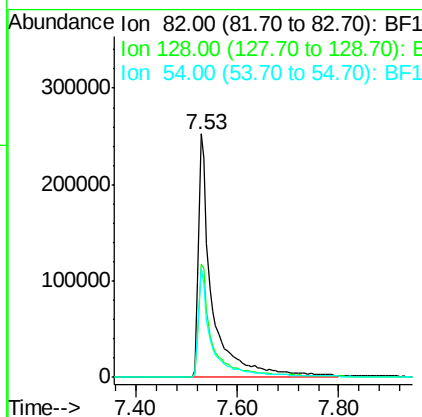
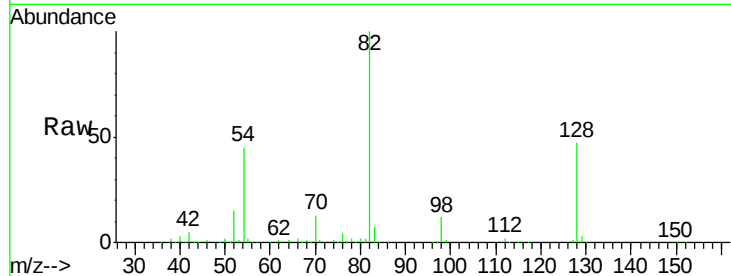
#23
Nitrobenzene-d5
Concen: 61.965 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF104073.D
Acq: 30 Mar 2018 2:13

Instrument :
BNA_F
ClientSampleId :
PB-12-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.5	36.1	54.1
54	45.0	41.4	62.2

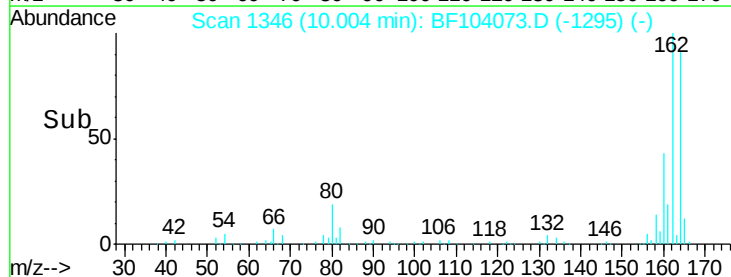
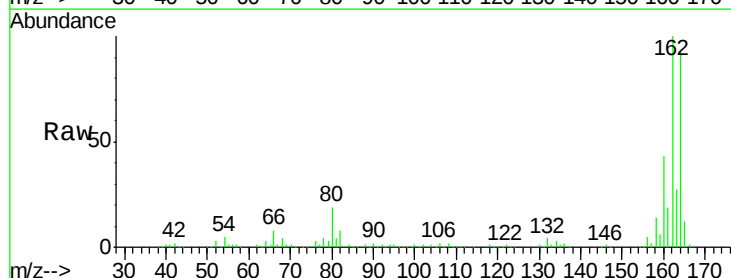
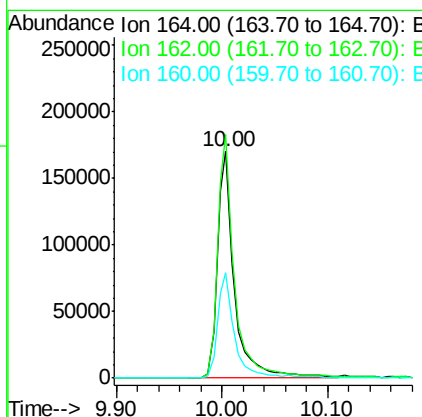
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.00 min
Lab File: BF104073.D
Acq: 30 Mar 2018 2:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.5	86.1	129.1
160	46.3	38.3	57.5





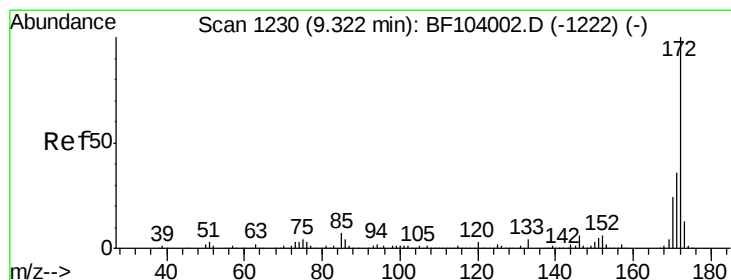
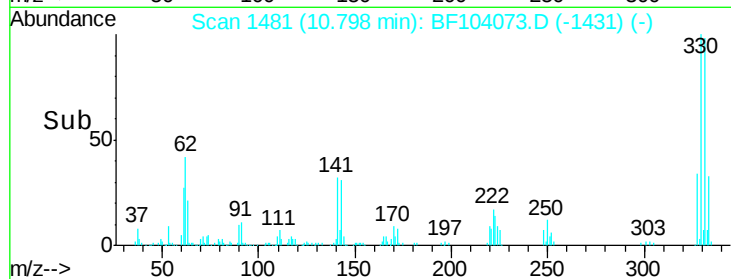
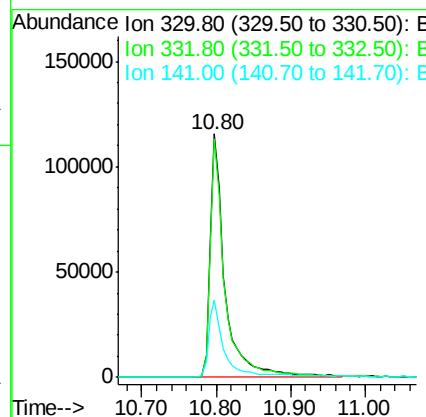
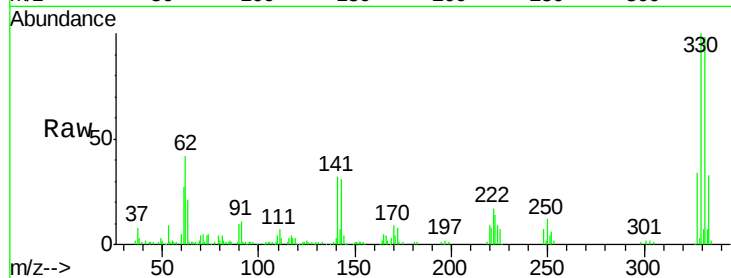
#41
 2,4,6-Tribromophenol
 Concen: 74.803 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: BF104073.D
 Acq: 30 Mar 2018 2:13

Instrument :
 BNA_F
 ClientSampleId :
 PB-12-COMP

Tot Ion	Ratio	Resp	Lower	Upper
330	100	162333		
332	97.5	77.0	115.6	
141	31.6	29.9	44.9	

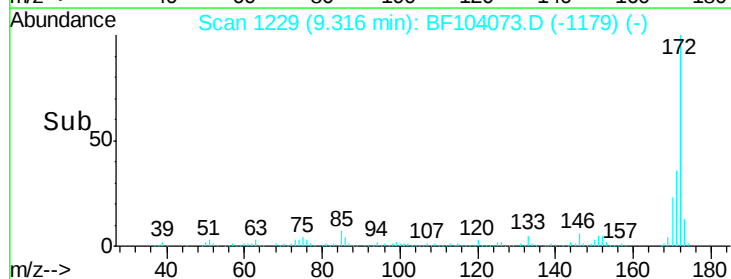
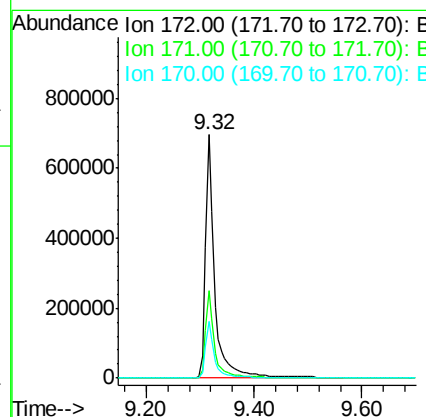
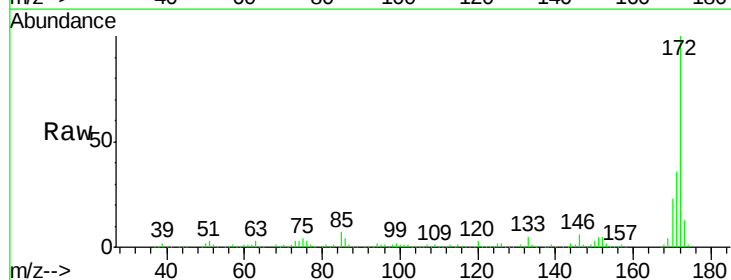
Manual Integrations
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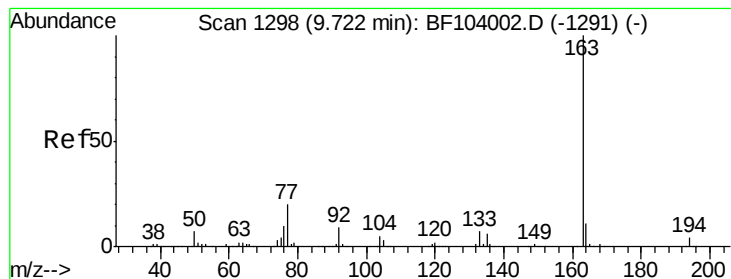
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#44
 2-Fluorobiphenyl
 Concen: 68.281 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF104073.D
 Acq: 30 Mar 2018 2:13

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	843901		
171	35.7	29.7	44.5	
170	23.4	19.6	29.4	





#49

Dimethylphthalate

Concen: 4.566 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF104073.D

Acq: 30 Mar 2018 2:13

Instrument :

BNA_F

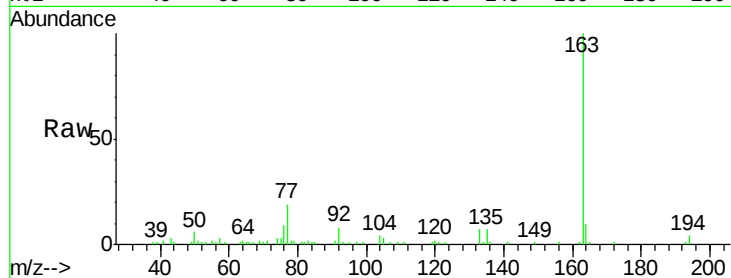
ClientSampleId :

PB-12-COMP

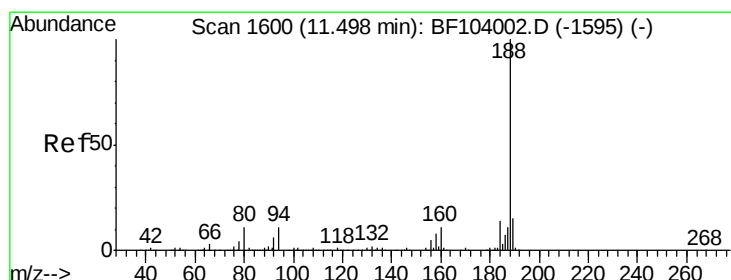
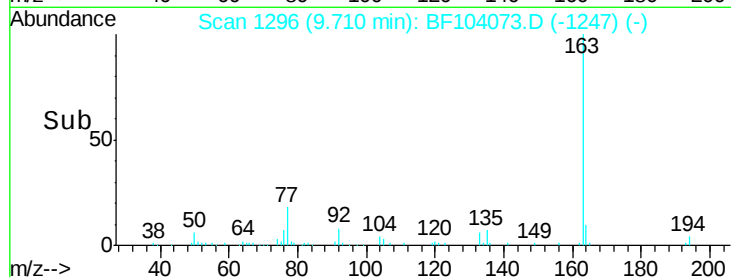
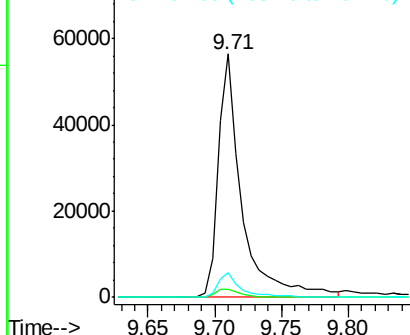
Tot Ion:	163	Resp:	70254
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.7	4.1
164	10.0	8.2	12.2

Manual Integrations
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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1600

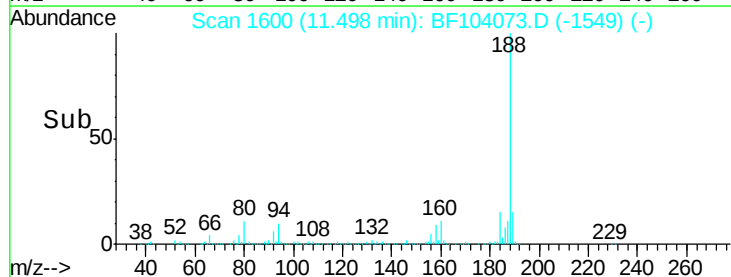
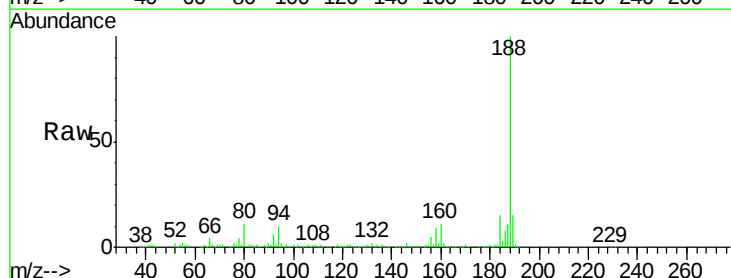
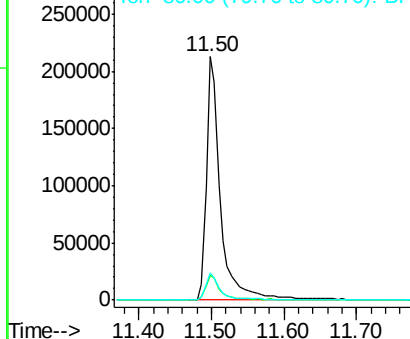
Delta R.T. -0.00 min

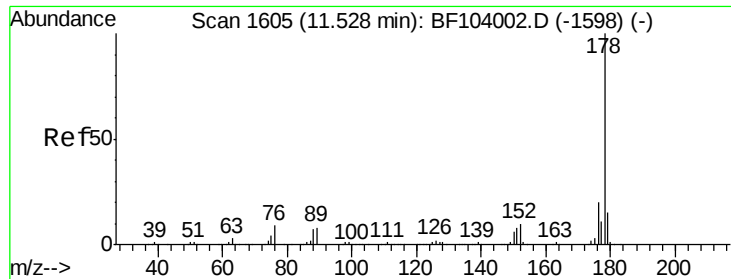
Lab File: BF104073.D

Acq: 30 Mar 2018 2:13

Tgt Ion:	188	Resp:	288851
Ion Ratio	Lower	Upper	
188	100		
94	10.4	8.5	12.7
80	11.5	9.2	13.8

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 5.596 ng

RT: 11.53 min Scan# 1605

Delta R.T. 0.00 min

Lab File: BF104073.D

Acq: 30 Mar 2018 2:13

Instrument :

BNA_F

ClientSampleId :

PB-12-COMP

Tot Ion:178 Resp: 87515

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

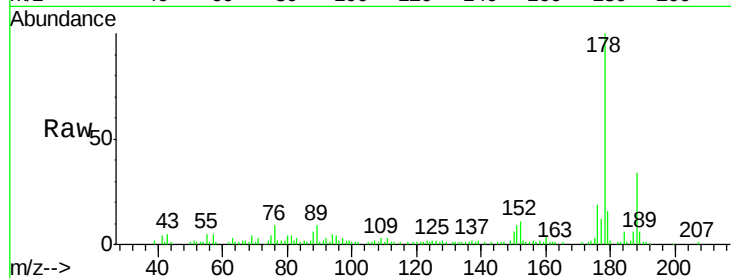
179 16.0 13.0 19.6

Manual Integrations

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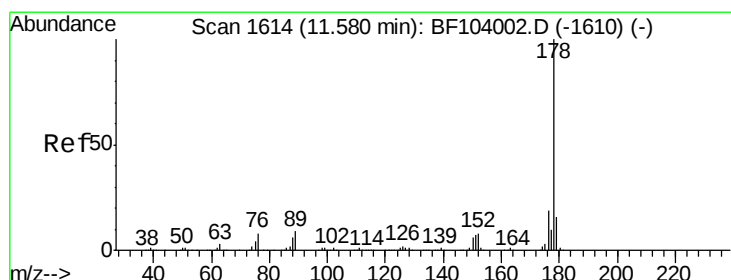
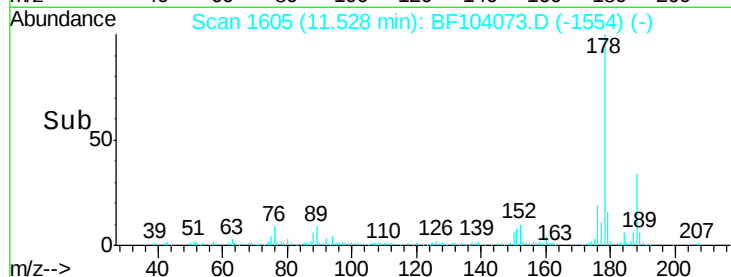
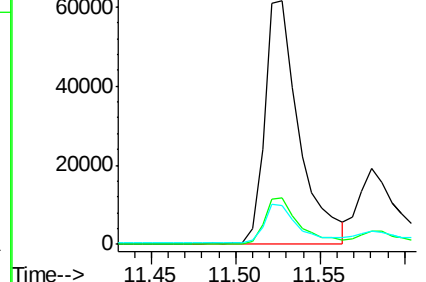
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.185 ng

RT: 11.58 min Scan# 1614

Delta R.T. -0.00 min

Lab File: BF104073.D

Acq: 30 Mar 2018 2:13

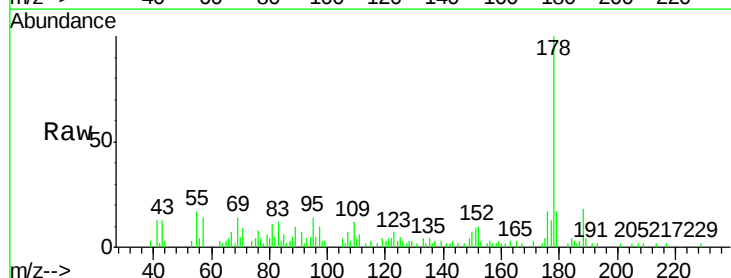
Tgt Ion:178 Resp: 35687

Ion Ratio Lower Upper

178 100

176 16.9 15.4 23.2

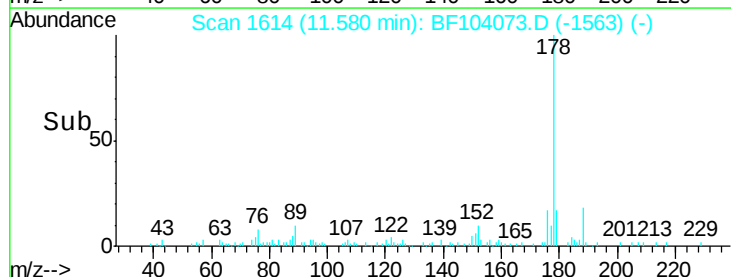
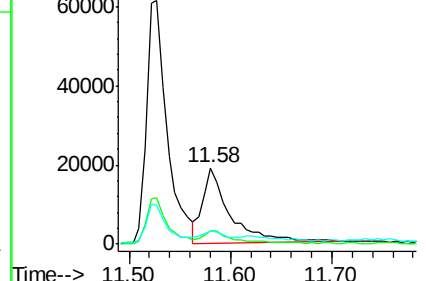
179 17.1 12.6 19.0

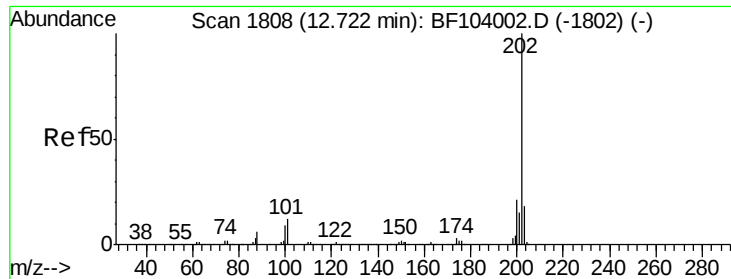


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 7.760 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.01 min

Lab File: BF104073.D

Acq: 30 Mar 2018 2:13

Instrument :

BNA_F

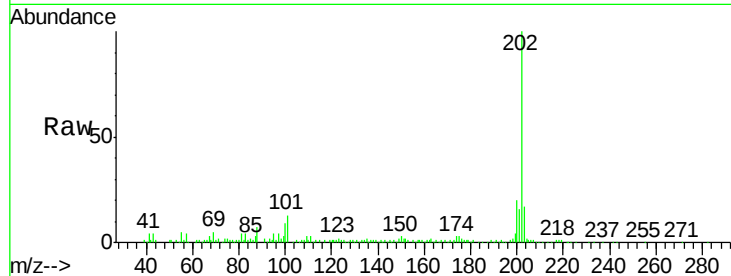
ClientSampled :

PB-12-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		129002		
101	13.5	0.0	34.1		
203	17.1	0.0	38.1		

Manual Integrations
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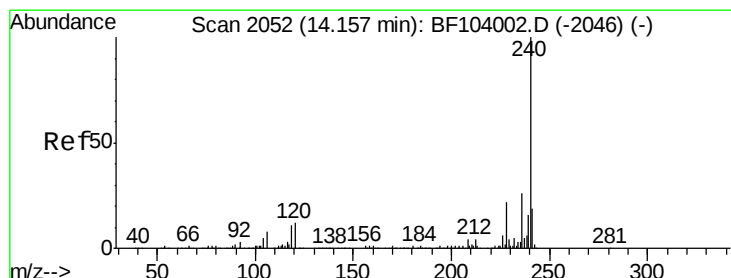
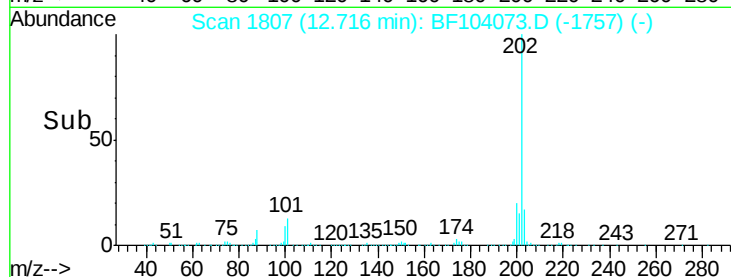
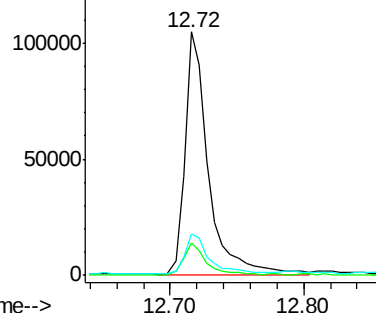
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.00 min

Lab File: BF104073.D

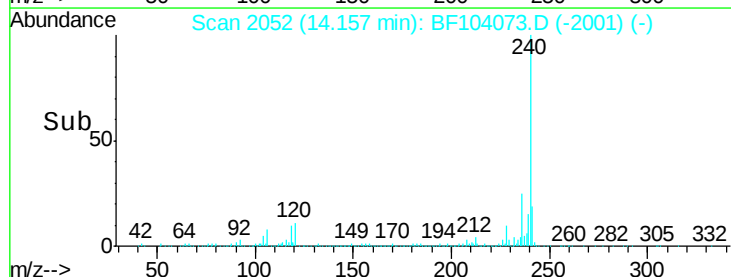
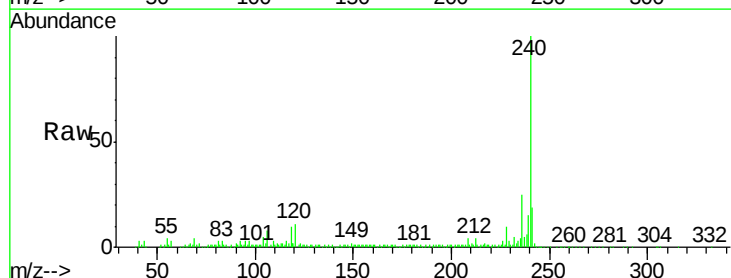
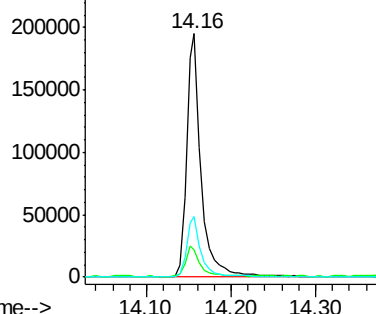
Acq: 30 Mar 2018 2:13

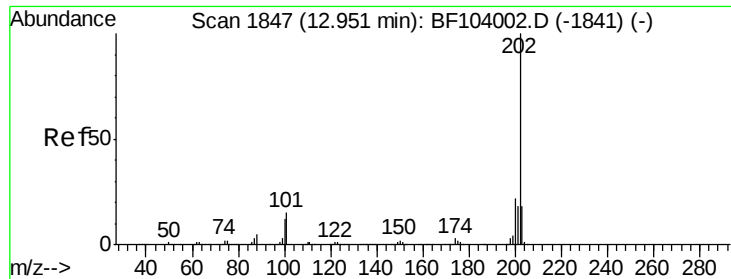
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		238869		
120	11.2	9.5	14.3		
236	25.1	20.7	31.1		

Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





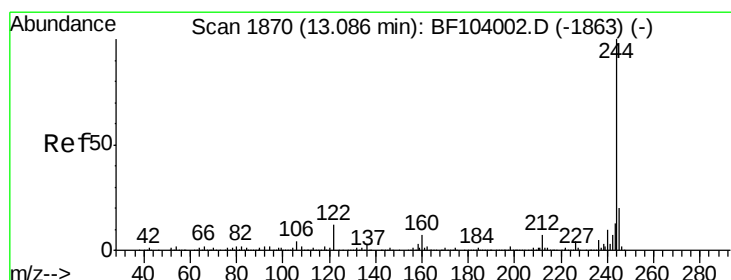
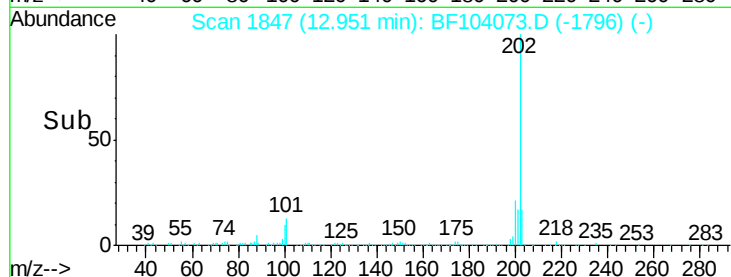
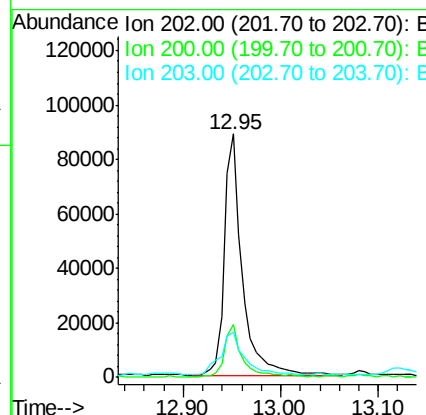
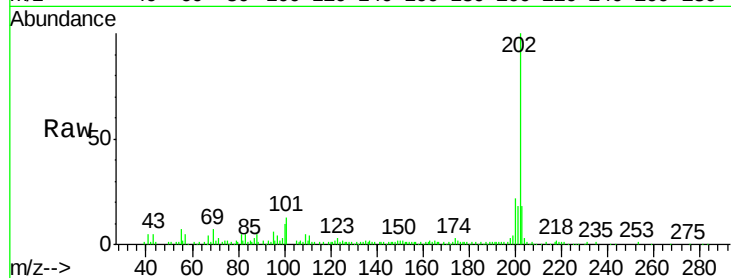
#77
Pvrene
Concen: 6.648 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.00 min
Lab File: BF104073.D
Acq: 30 Mar 2018 2:13

Instrument :
BNA_F
ClientSampleId :
PB-12-COMP

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	18.3	14.3	21.5

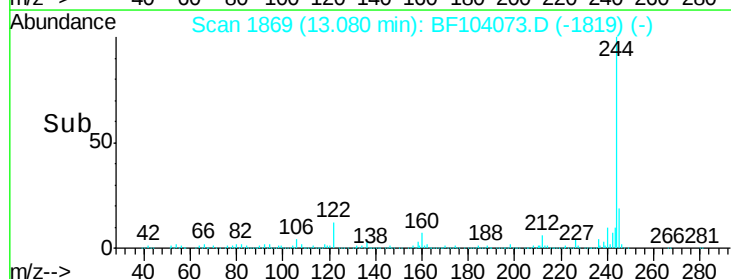
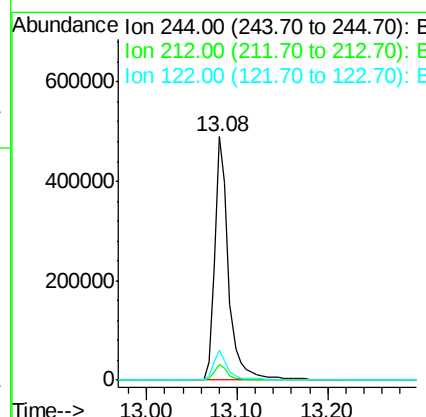
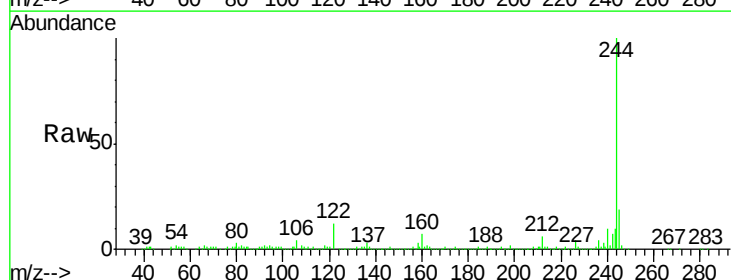
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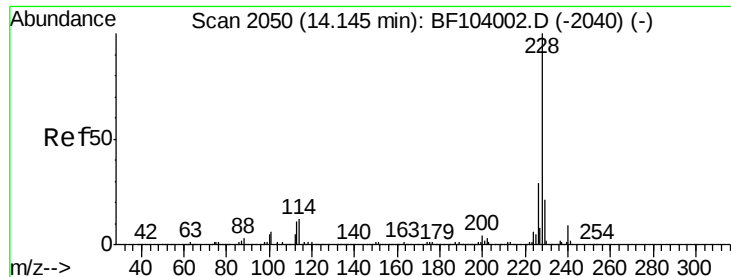
Sohil
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#78
Terphenyl-d14
Concen: 51.161 ng
RT: 13.08 min Scan# 1869
Delta R.T. -0.01 min
Lab File: BF104073.D
Acq: 30 Mar 2018 2:13

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	12.4	11.0	16.4





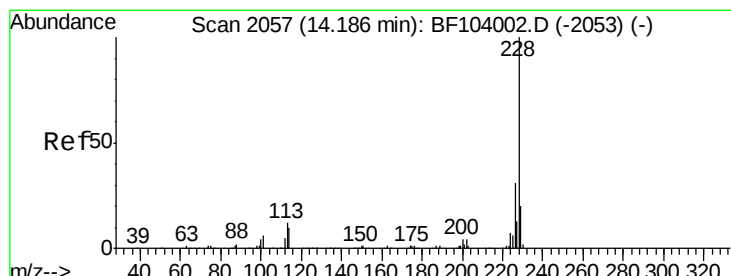
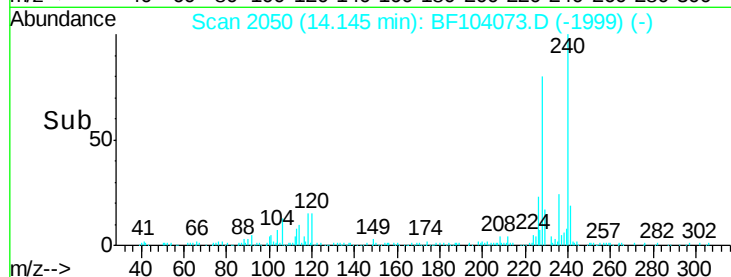
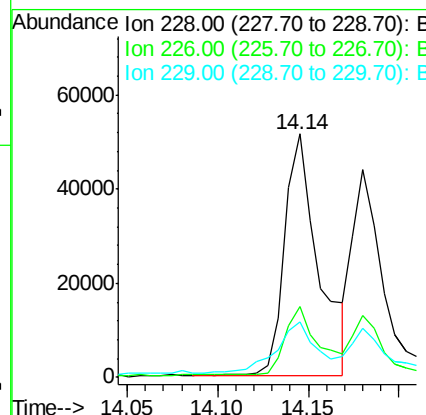
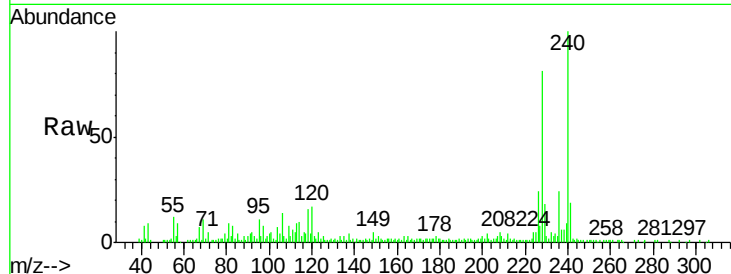
#80
Benzo(a)anthracene
Concen: 4.492 ng
RT: 14.14 min Scan# 2050
Delta R.T. 0.00 min
Lab File: BF104073.D
Acq: 30 Mar 2018 2:13

Instrument :
BNA_F
ClientSampleId :
PB-12-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	22.6	15.8	23.6

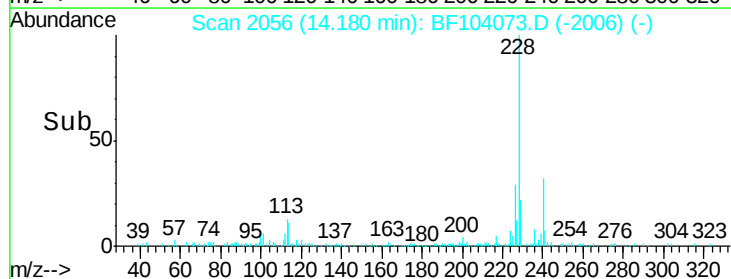
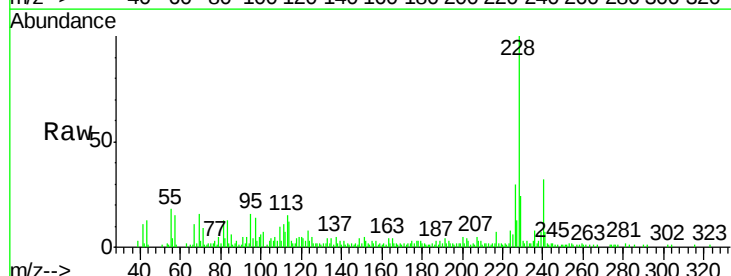
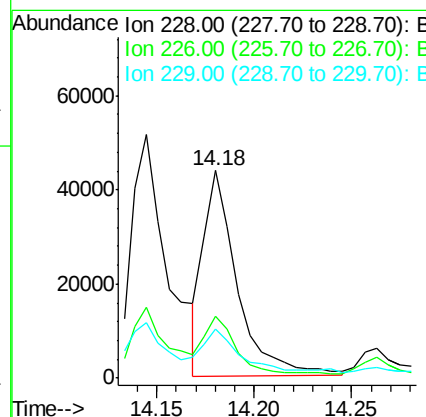
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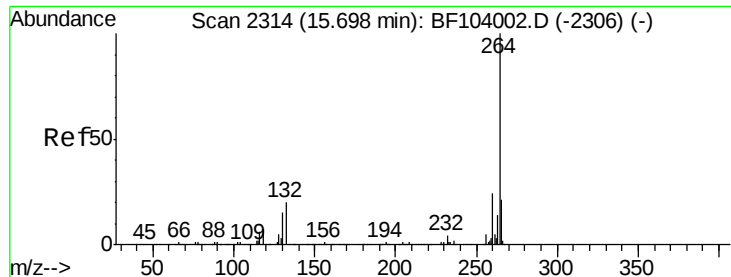
Sohil
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#82
Chrysene
Concen: 3.568 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF104073.D
Acq: 30 Mar 2018 2:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.6
229	23.9	16.2	24.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.70 min Scan# 2314

Delta R.T. 0.00 min

Lab File: BF104073.D

Acq: 30 Mar 2018 2:13

Instrument :

BNA_F

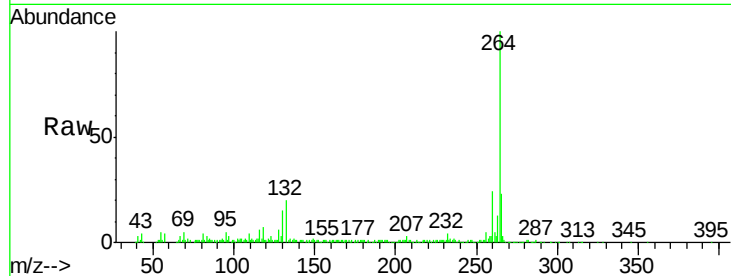
ClientSampleId :

PB-12-COMP

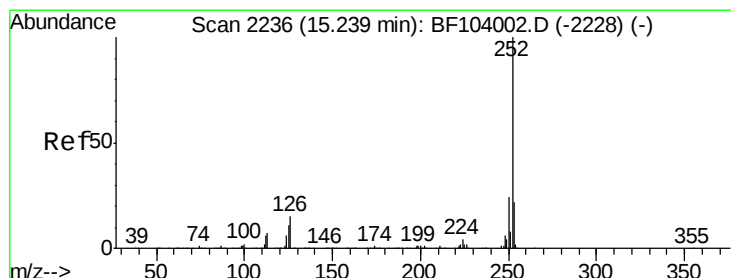
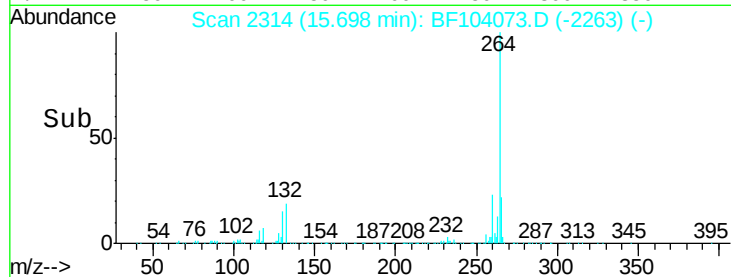
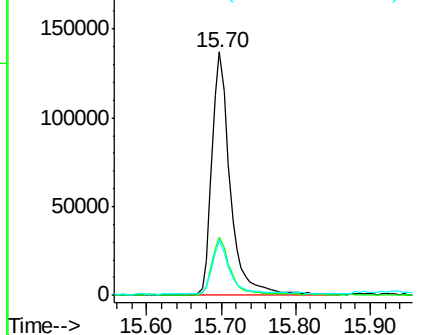
Tot Ion:	264	Resp:	232016
Ion Ratio		Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.8	17.5	26.3

Manual Integrations
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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 4.819 ng m

RT: 15.24 min Scan# 2236

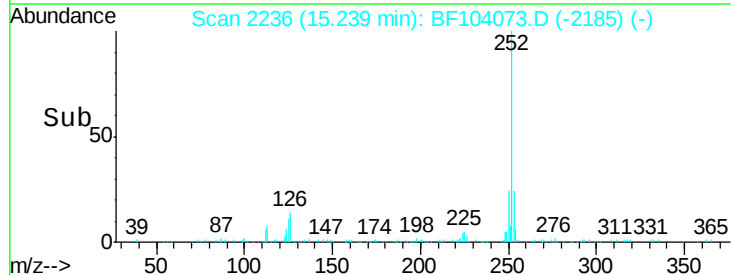
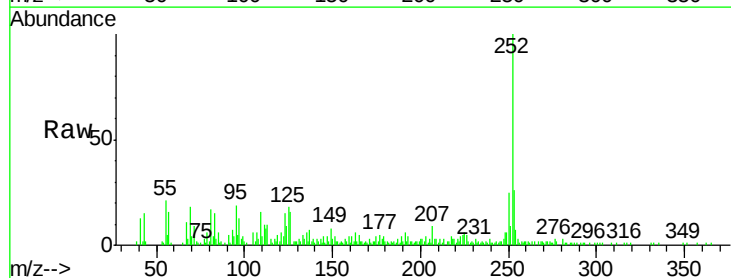
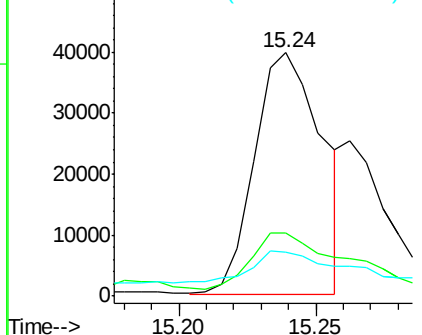
Delta R.T. -0.00 min

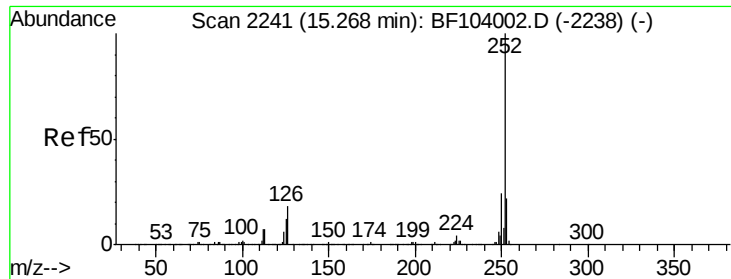
Lab File: BF104073.D

Acq: 30 Mar 2018 2:13

Tgt Ion:	252	Resp:	68039
Ion Ratio		Lower	Upper
252	100		
253	26.0	17.0	25.6#
125	18.1	9.0	13.6#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





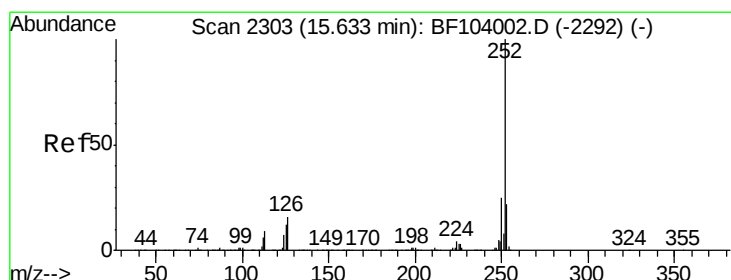
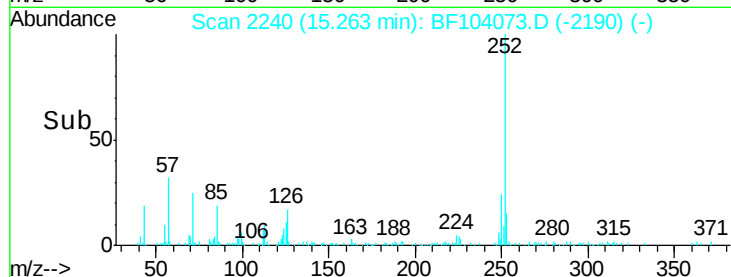
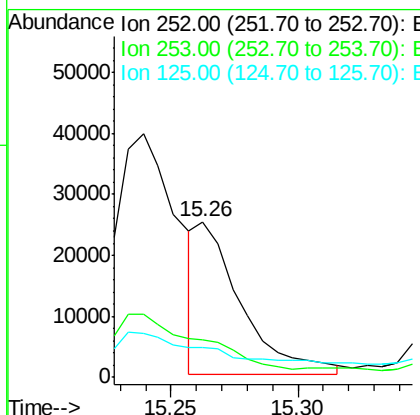
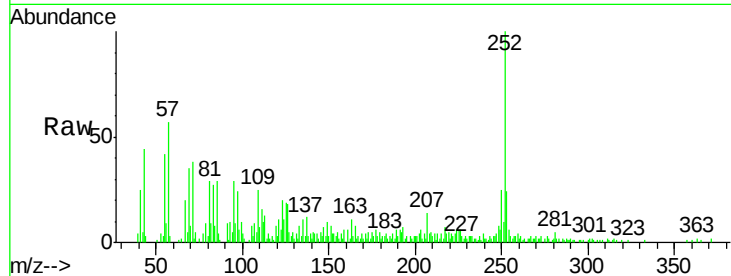
#88
Benzo(k)fluoranthene
Concen: 2.302 ng/mL
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF104073.D
Acq: 30 Mar 2018 2:13

Instrument :
BNA_F
ClientSampleId :
PB-12-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	19.2	10.2	15.2

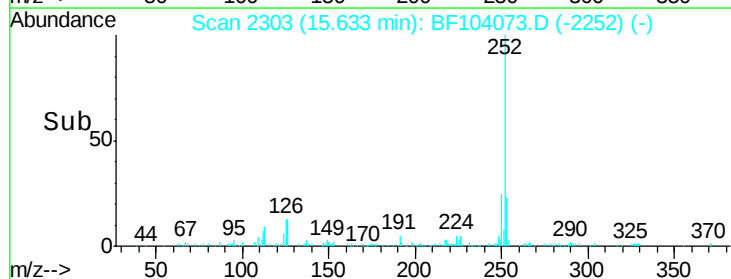
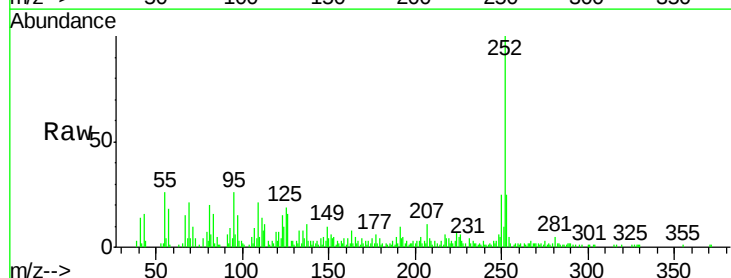
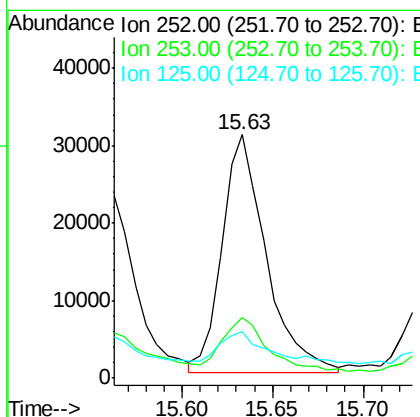
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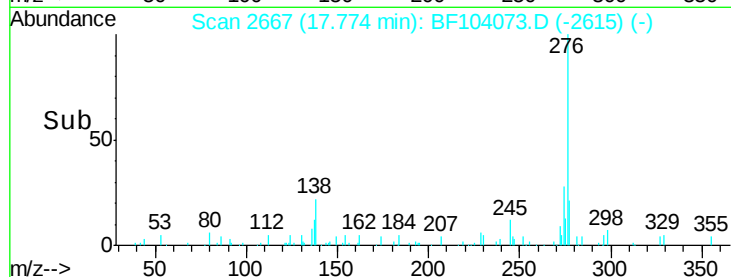
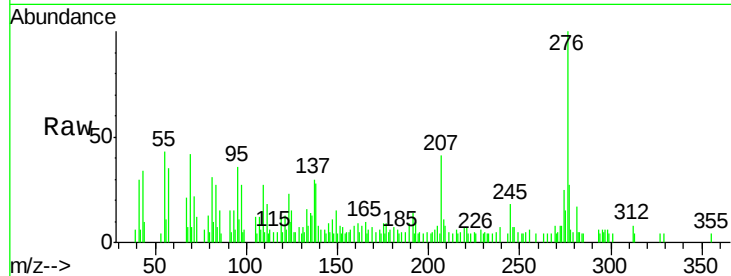
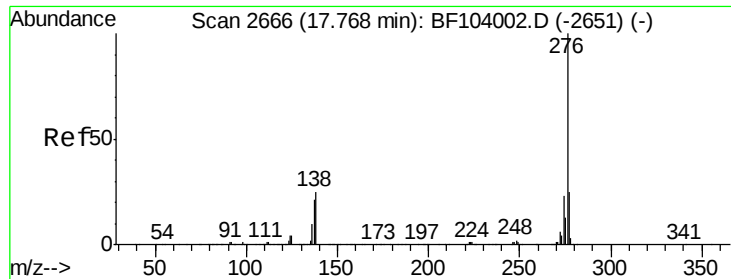
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#89
Benzo(a)pyrene
Concen: 3.985 ng/mL
RT: 15.63 min Scan# 2303
Delta R.T. 0.00 min
Lab File: BF104073.D
Acq: 30 Mar 2018 2:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.1	25.7
125	19.2	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 2.434 ng

RT: 17.77 min Scan# 2667

Delta R.T. 0.01 min

Lab File: BF104073.D

Acq: 30 Mar 2018 2:13

Instrument :

BNA_F

ClientSampleId :

PB-12-COMP

Tot Ion: 276 Resp: 29493

Ion Ratio Lower Upper

276 100

277 27.0 17.9 26.9#

138 27.6 21.8 32.8

Manual Integrations
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