

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\
 Data File : BF104042.D
 Acq On : 29 Mar 2018 10:07
 Operator : JU/SJ
 Sample : J2100-04DL 2X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5-DBDL

Manual Integrations
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 3/29/2018 5:37:00 PM

Quant Time: Mar 29 12:21:00 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	115086	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	469285	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	186873	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	275069	20.00	ng	0.00
75) Chrysene-d12	14.16	240	227970	20.00	ng	0.00
86) Perylene-d12	15.70	264	160770	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	335616	46.51	ng	0.00
7) Phenol-d6	6.59	99	488979	55.07	ng	-0.01
23) Nitrobenzene-d5	7.53	82	260309	33.92	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	80106	38.50	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	378858	31.97	ng	0.00
78) Terphenyl-d14	13.08	244	237754	24.08	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.27	128	109418	4.773	ng	97
37) 2-Methylnaphthalene	8.96	142	32020	2.120	ng	97
49) Dimethylphthalate	9.71	163	46777	3.170	ng	99
51) Acenaphthene	10.03	154	64372	5.806	ng	98
54) Dibenzofuran	10.22	168	50576	3.124	ng	97
57) Fluorene	10.56	166	67062	5.021	ng	96
70) Phenanthrene	11.53	178	678518	45.561	ng	99
71) Anthracene	11.57	178	205820	13.231	ng	98
72) Carbazole	11.74	167	51196	3.448	ng	99
74) Fluoranthene	12.72	202	793718	50.140	ng	97
77) Pyrene	12.95	202	795642	48.551	ng	99
80) Benzo(a)anthracene	14.14	228	350803	24.593	ng	98
82) Chrysene	14.18	228	318207	22.776	ng	98
85) Indeno(1,2,3-cd)pyrene	17.29	276	135145	9.335	ng	# 86
87) Benzo(b)fluoranthene	15.24	252	303349m	31.004	ng	
88) Benzo(k)fluoranthene	15.26	252	116744m	12.666	ng	
89) Benzo(a)pyrene	15.63	252	235927	26.020	ng	98
90) Dibenzo(a,h)anthracene	17.29	278	27600m	3.292	ng	
91) Benzo(a,h,i)perylene	17.77	276	133560	15.906	ng	# 94

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

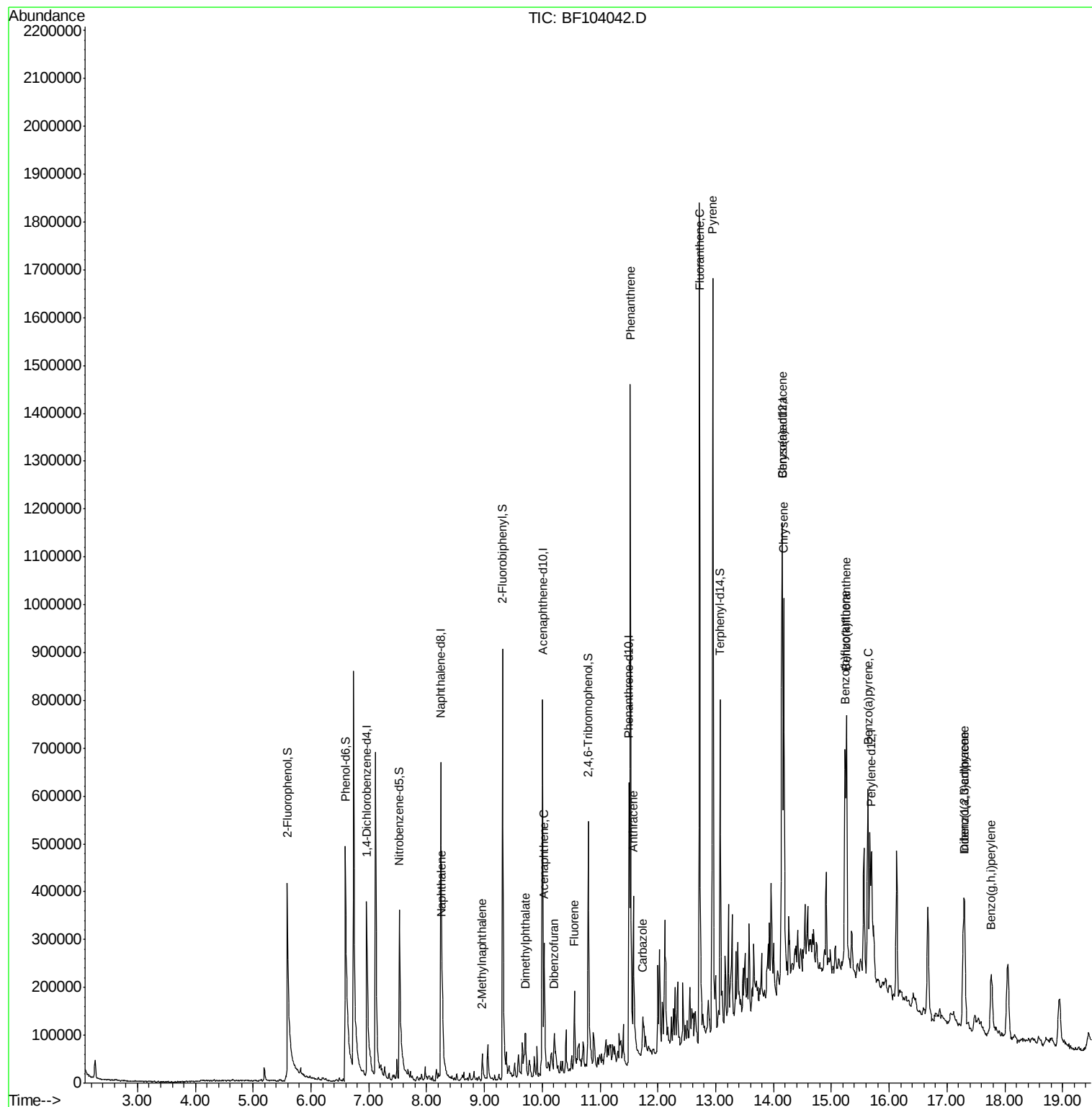
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\
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#1

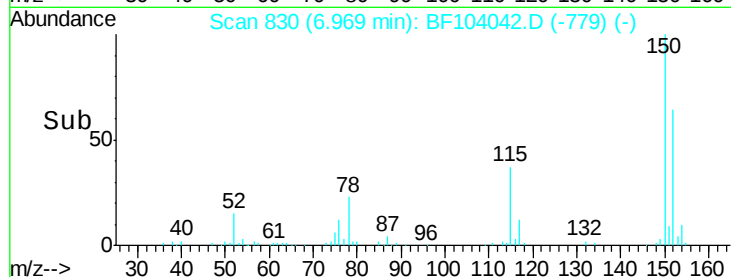
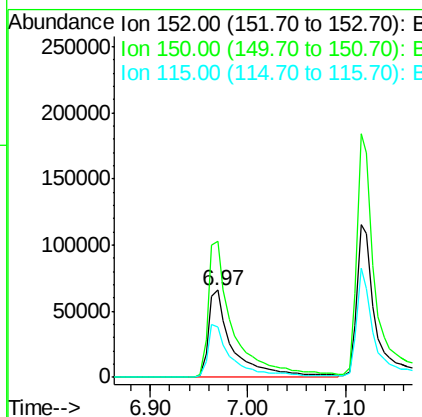
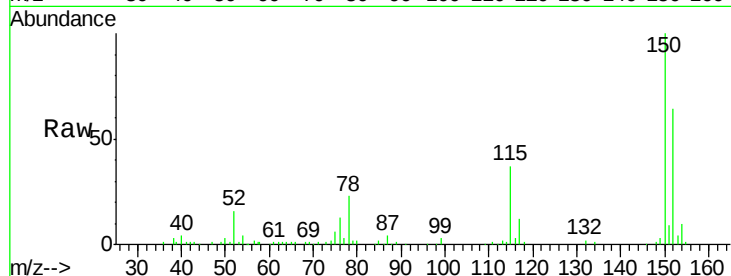
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 830
 Delta R.T. -0.00 min
 Lab File: BF104042.D
 Acq: 29 Mar 2018 10:07

Instrument :
 BNA_F
 ClientSampled :
 TP-5-DBDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.6	186.8
115	58.2	50.1	75.1

Manual Integrations
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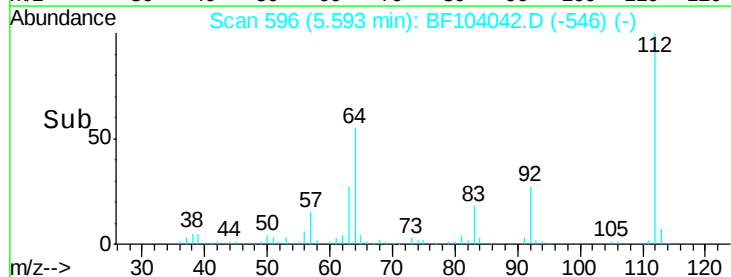
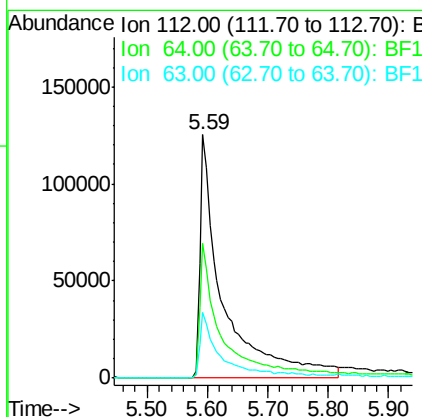
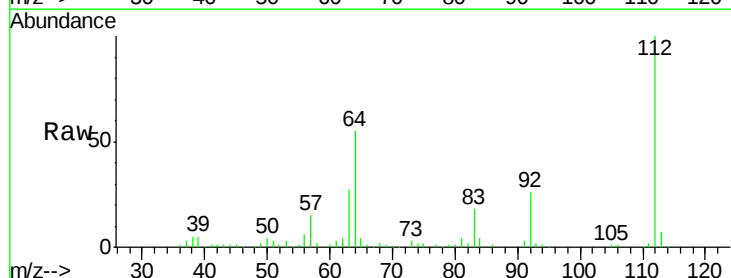
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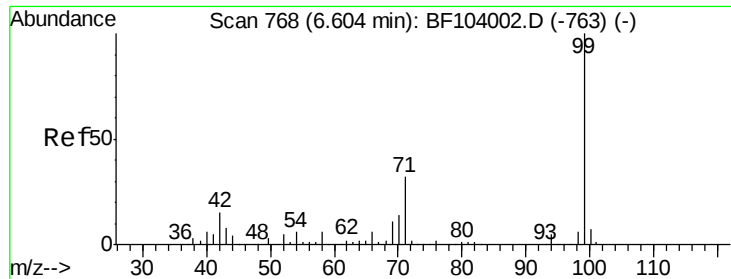


#5

2-Fluorophenol
 Concen: 46.506 ng
 RT: 5.59 min Scan# 596
 Delta R.T. -0.01 min
 Lab File: BF104042.D
 Acq: 29 Mar 2018 10:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	47.9	71.9
63	26.7	23.7	35.5





#7

Phenol-d6

Concen: 55.074 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF104042.D

Acq: 29 Mar 2018 10:07

Instrument :

BNA_F

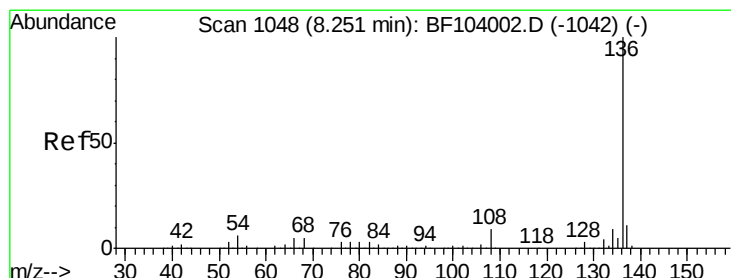
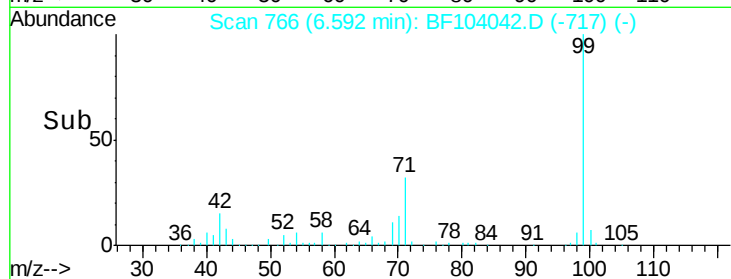
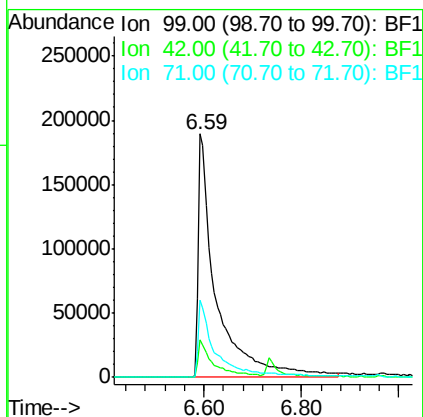
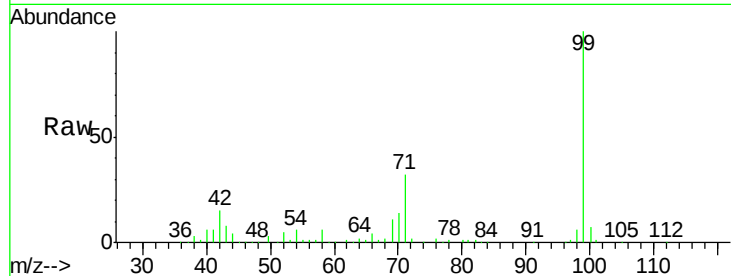
ClientSampleId :

TP-5-DBDL

Tot Ion:	99	Resp:	488979
Ion	Ratio	Lower	Upper
99	100		
42	15.4	14.5	21.7
71	31.9	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

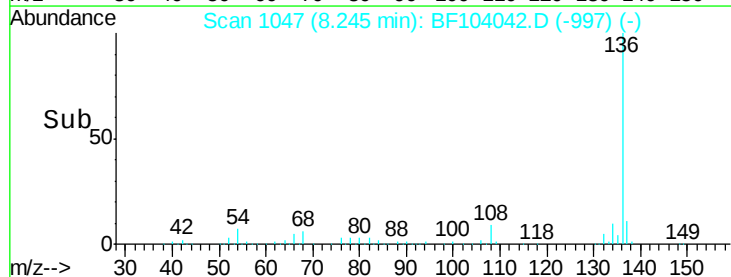
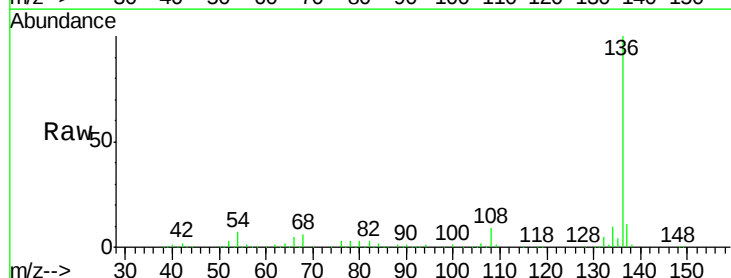
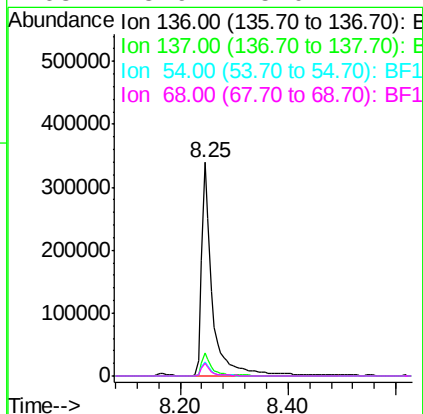
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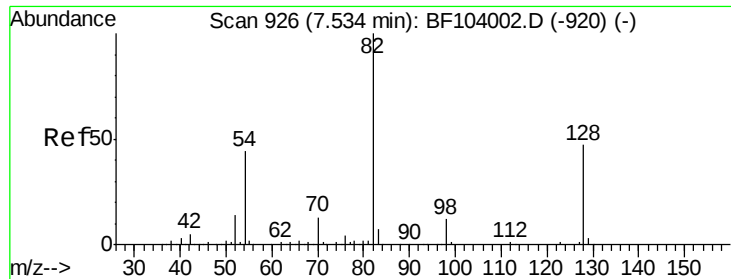
Delta R.T. -0.01 min

Lab File: BF104042.D

Acq: 29 Mar 2018 10:07

Tgt Ion:	136	Resp:	469285
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.9	6.6	9.8
68	5.9	5.0	7.4





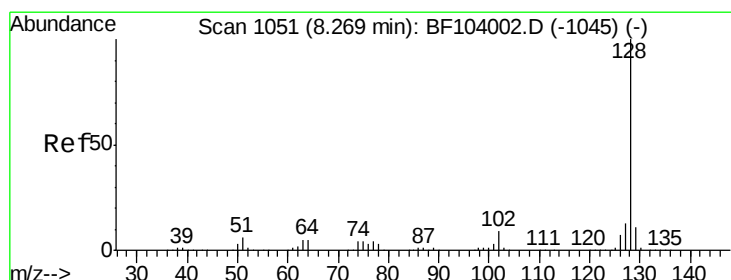
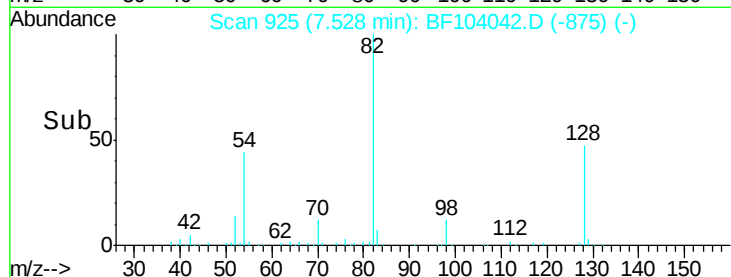
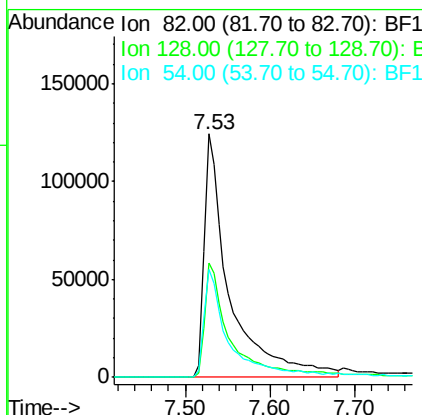
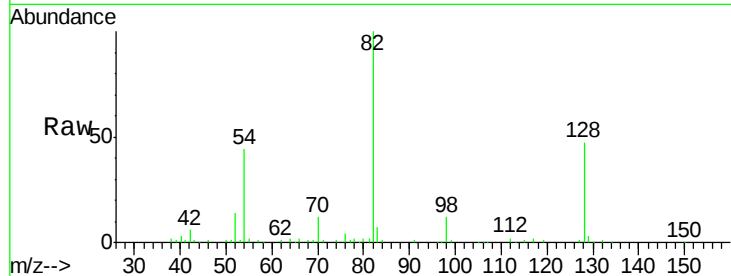
#23
 Nitrobenzene-d5
 Concen: 33.923 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: BF104042.D
 Acq: 29 Mar 2018 10:07

Instrument :
 BNA_F
 ClientSampleId :
 TP-5-DBDL

Tot Ion	82	Resp	260309
Ion Ratio	100	Lower	Upper
82	100		
128	46.8	36.1	54.1
54	44.3	41.4	62.2

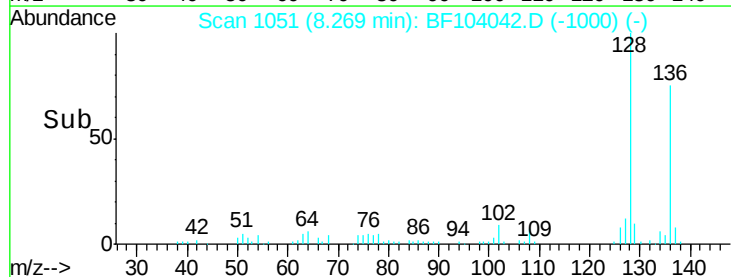
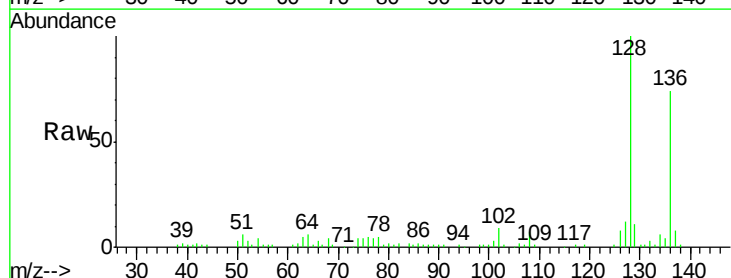
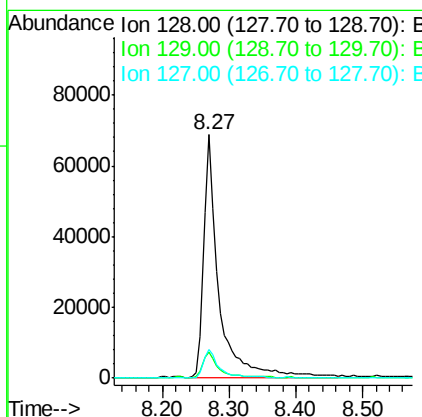
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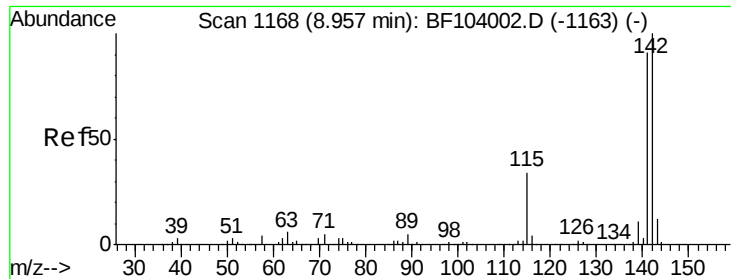
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#31
 Naphthalene
 Concen: 4.773 ng
 RT: 8.27 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: BF104042.D
 Acq: 29 Mar 2018 10:07

Tgt Ion	128	Resp	109418
Ion Ratio	100	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	11.9	10.9	16.3





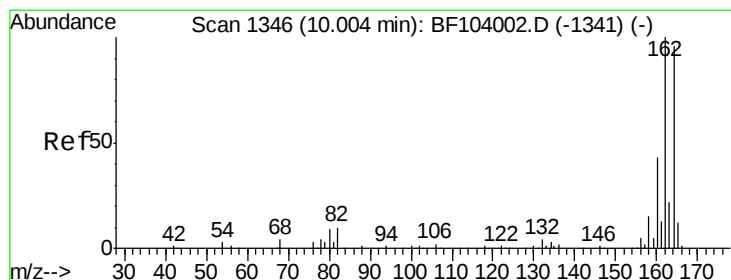
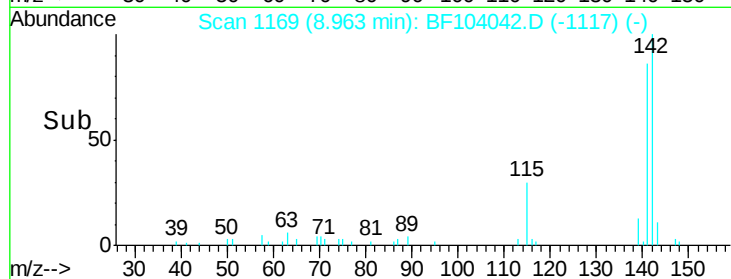
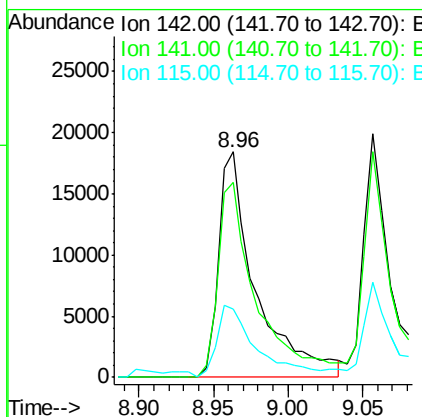
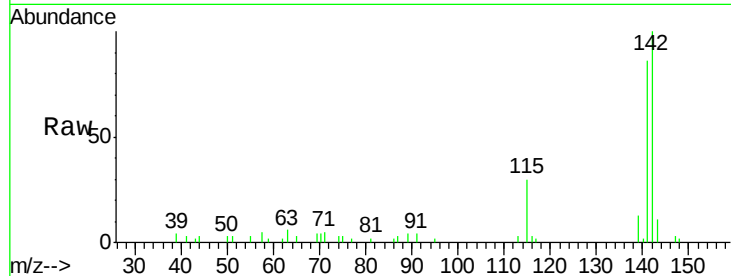
#37
2-Methylnaphthalene
Concen: 2.120 ng
RT: 8.96 min Scan# 1169
Delta R.T. 0.01 min
Lab File: BF104042.D
Acq: 29 Mar 2018 10:07

Instrument :
BNA_F
ClientSampled :
TP-5-DBDL

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.4	70.8	106.2
115	30.1	26.1	39.1

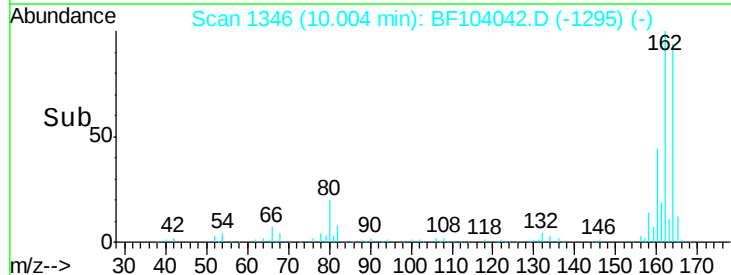
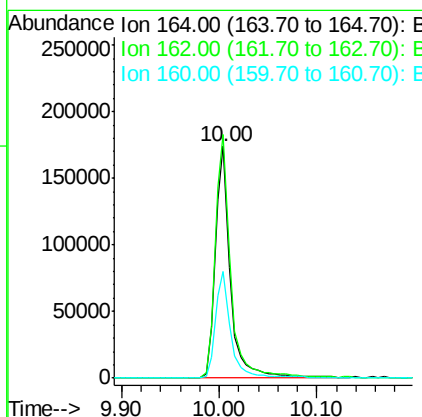
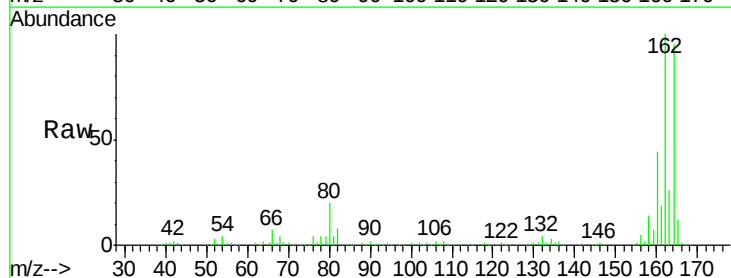
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.00 min
Lab File: BF104042.D
Acq: 29 Mar 2018 10:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	86.1	129.1
160	46.0	38.3	57.5





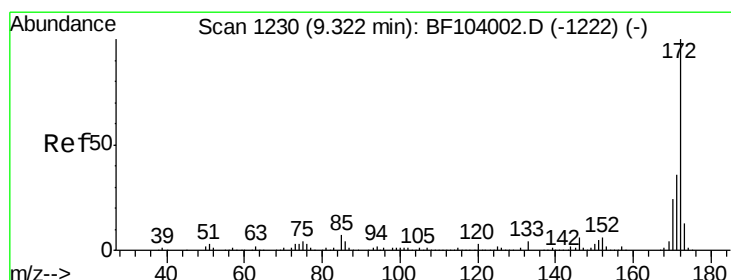
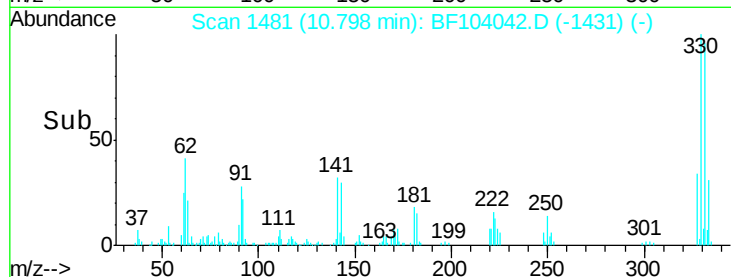
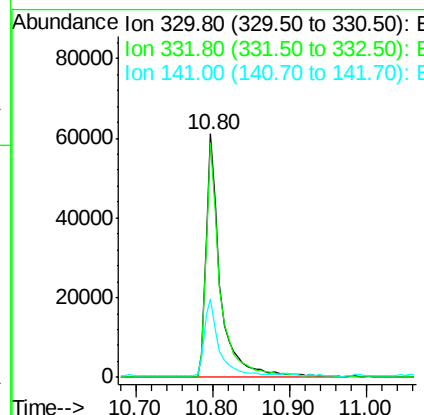
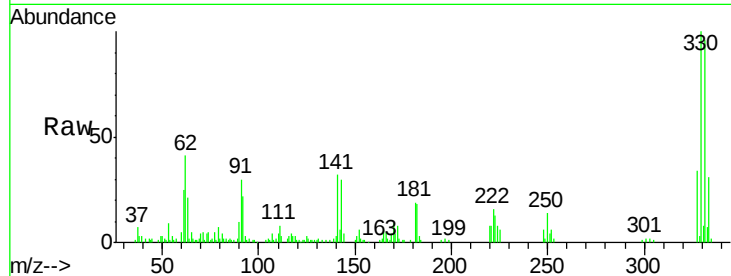
#41
 2,4,6-Tribromophenol
 Concen: 38.497 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: BF104042.D
 Acq: 29 Mar 2018 10:07

Instrument :
 BNA_F
 ClientSampleId :
 TP-5-DBDL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	30.9	29.9	44.9

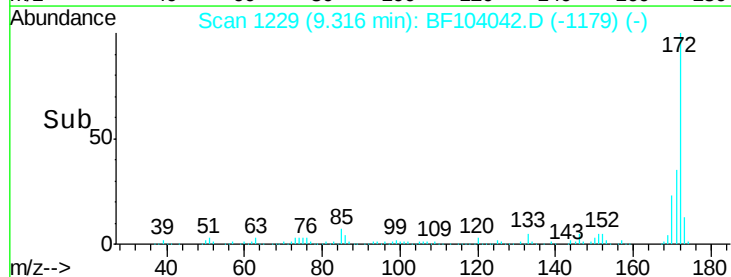
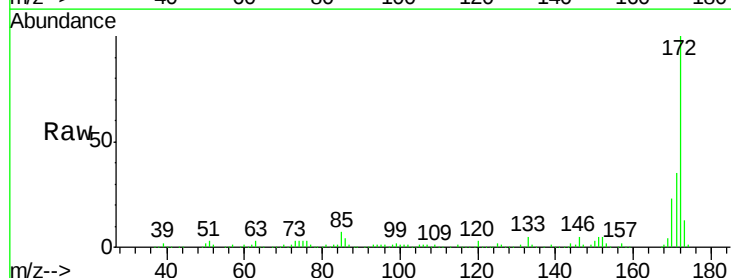
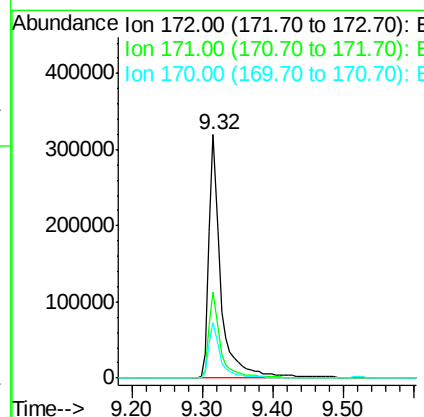
Manual Integrations
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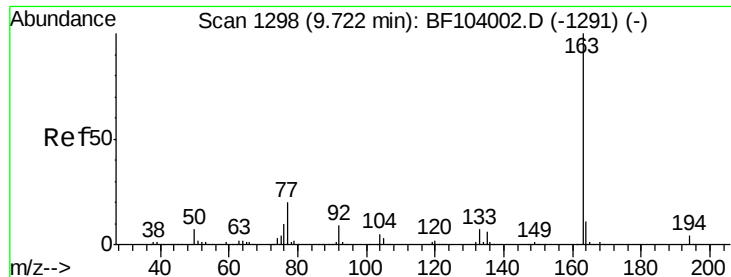
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#44
 2-Fluorobiphenyl
 Concen: 31.970 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF104042.D
 Acq: 29 Mar 2018 10:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	22.6	19.6	29.4





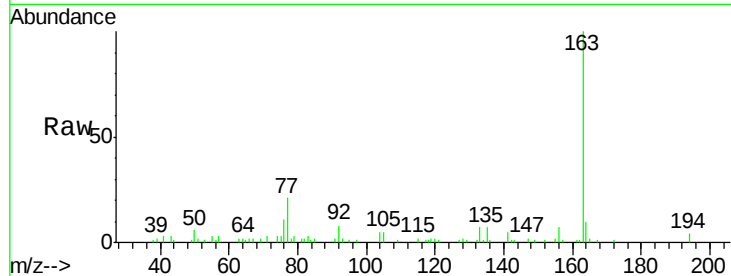
#49
Dimethylphthalate
Concen: 3.170 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF104042.D
Acq: 29 Mar 2018 10:07

Instrument :
BNA_F
ClientSampleId :
TP-5-DBDL

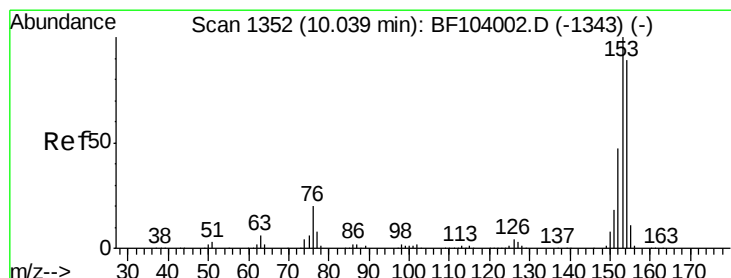
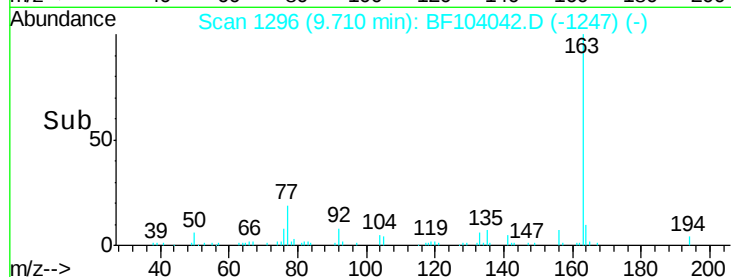
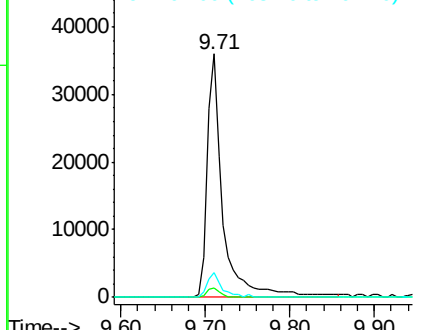
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.7	4.1
164	10.4	8.2	12.2

Manual Integrations
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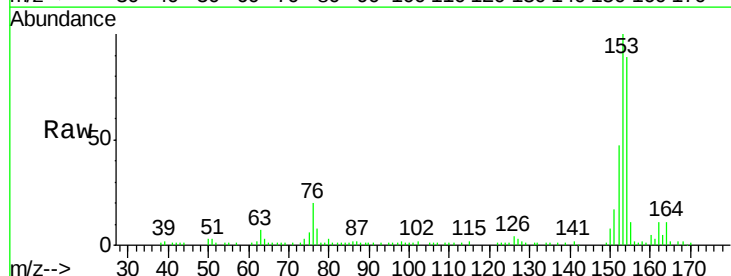


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

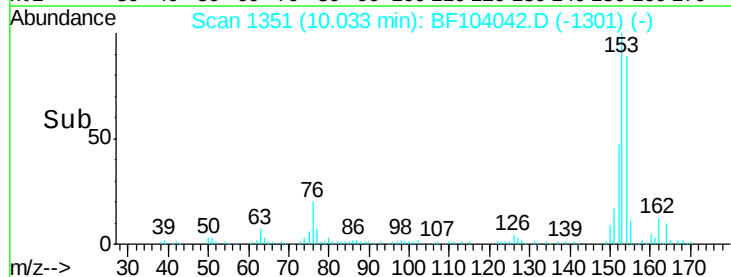
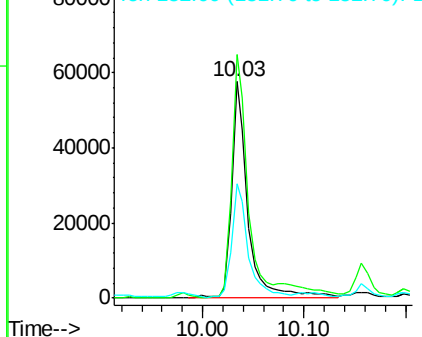


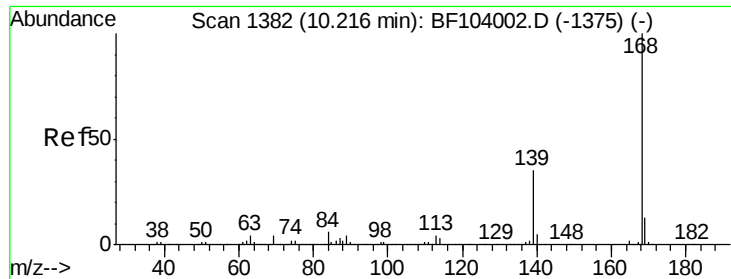
#51
Acenaphthene
Concen: 5.806 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.01 min
Lab File: BF104042.D
Acq: 29 Mar 2018 10:07

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.5	91.2	136.8
152	52.9	43.8	65.8



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





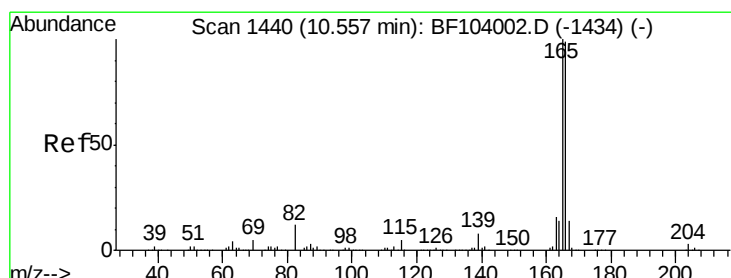
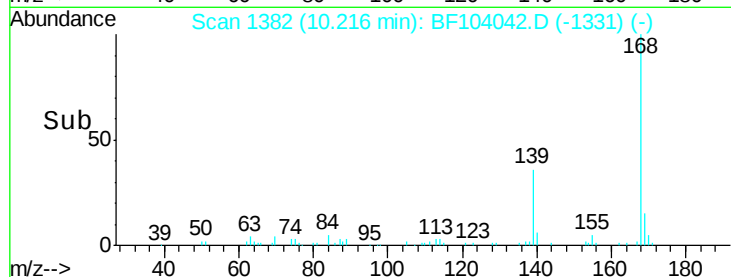
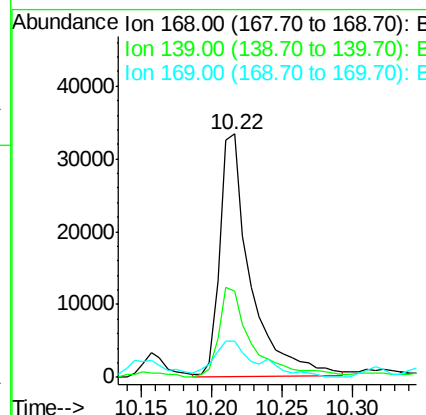
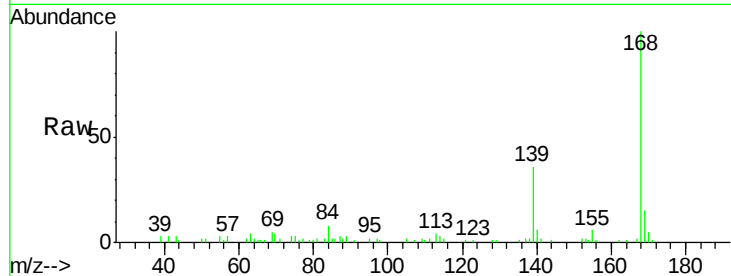
#54
Dibenzofuran
Concen: 3.124 ng
RT: 10.22 min Scan# 1382
Delta R.T. -0.00 min
Lab File: BF104042.D
Acq: 29 Mar 2018 10:07

Instrument :
BNA_F
ClientSampleId :
TP-5-DBDL

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.6	30.1	45.1
169	14.9	10.9	16.3

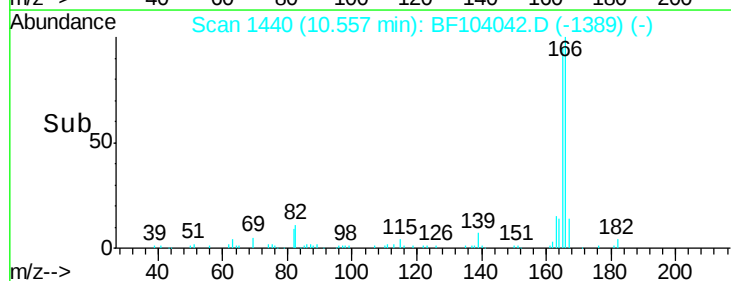
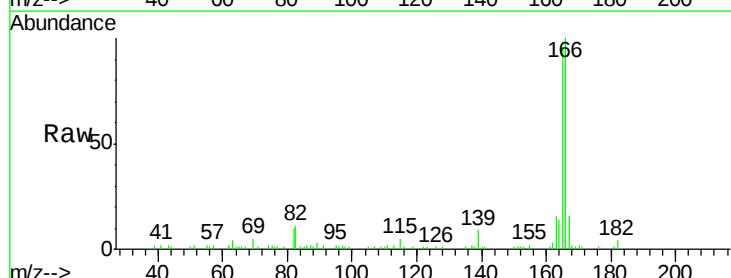
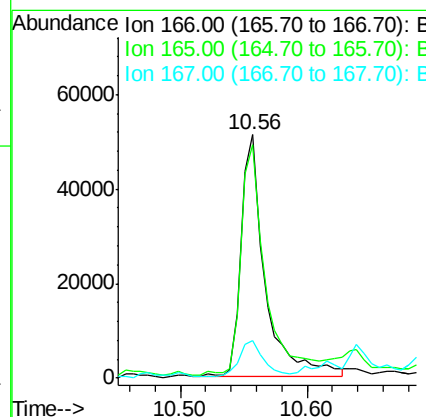
Manual Integrations
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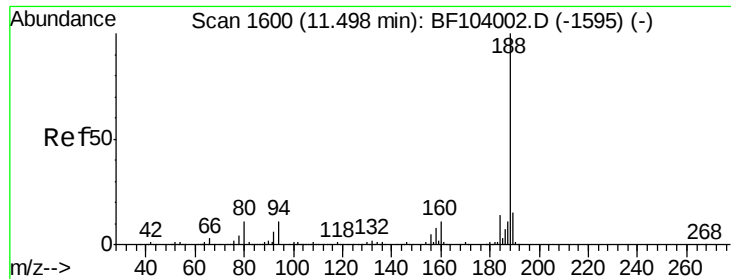
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#57
Fluorene
Concen: 5.021 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.00 min
Lab File: BF104042.D
Acq: 29 Mar 2018 10:07

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.9	79.8	119.8
167	15.5	10.6	16.0





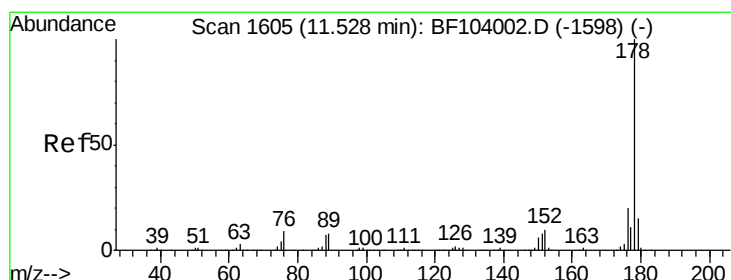
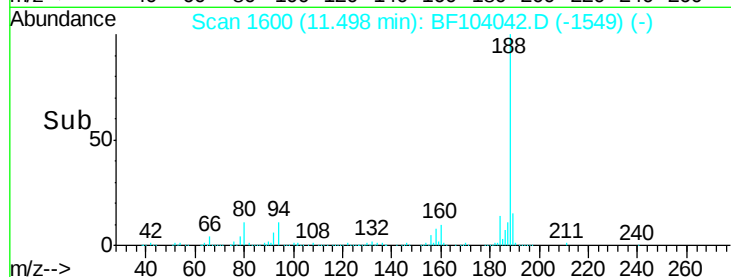
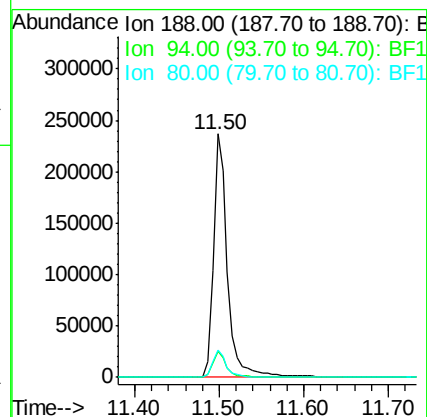
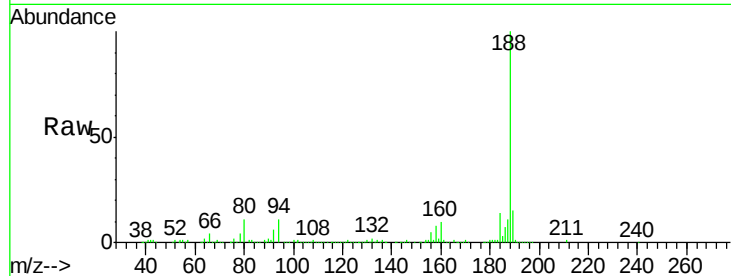
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BF104042.D
Acq: 29 Mar 2018 10:07

Instrument :
BNA_F
ClientSampleId :
TP-5-DBDL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	275069		
94	10.6		8.5	12.7
80	11.3		9.2	13.8

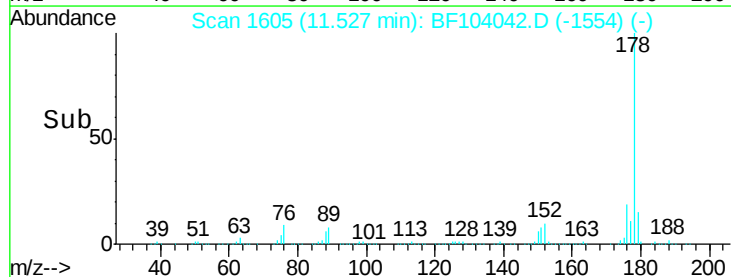
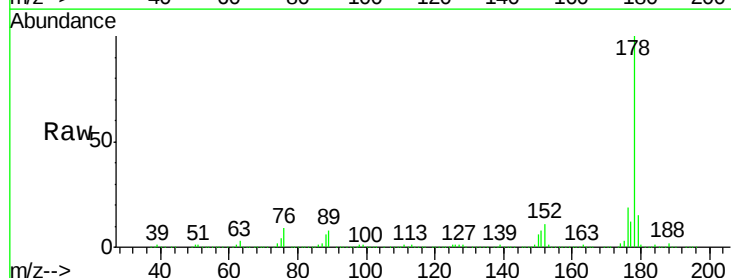
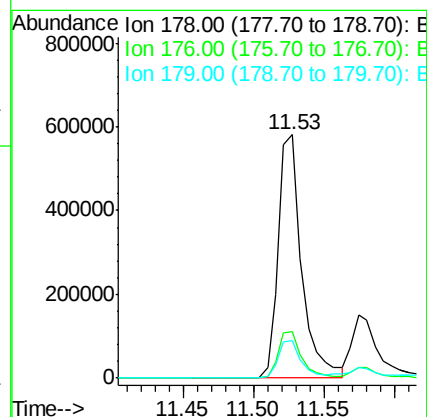
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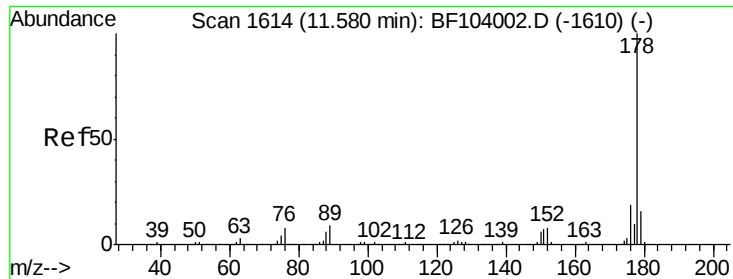
Sohil
3/29/2018 5:37:00 PM



#70
Phenanthrene
Concen: 45.561 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BF104042.D
Acq: 29 Mar 2018 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	678518		
176	19.4		15.8	23.8
179	15.5		13.0	19.6





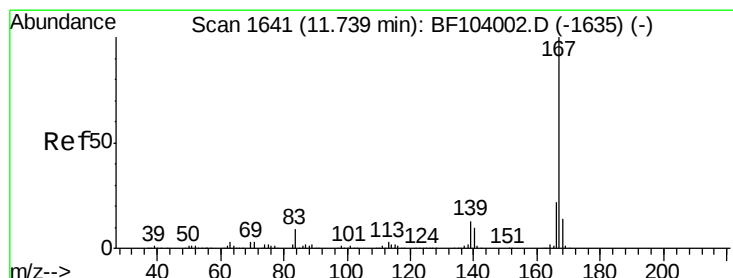
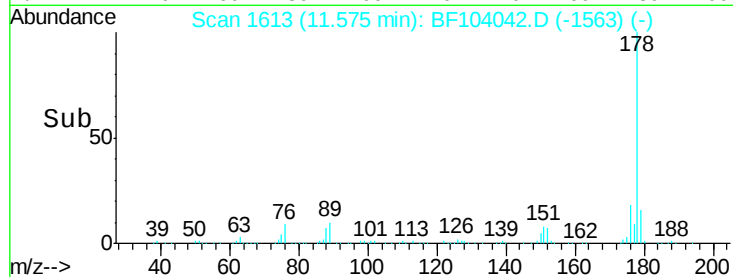
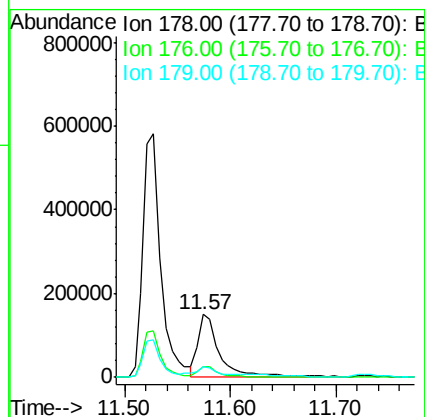
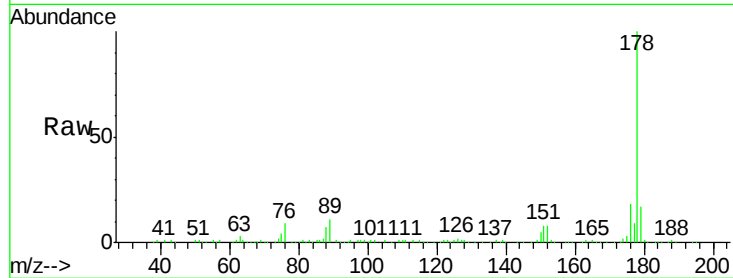
#71
 Anthracene
 Concen: 13.231 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. -0.01 min
 Lab File: BF104042.D
 Acq: 29 Mar 2018 10:07

Instrument :
 BNA_F
 ClientSampleId :
 TP-5-DBDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	16.6	12.6	19.0

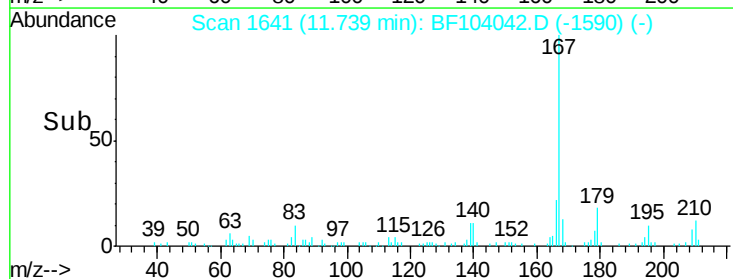
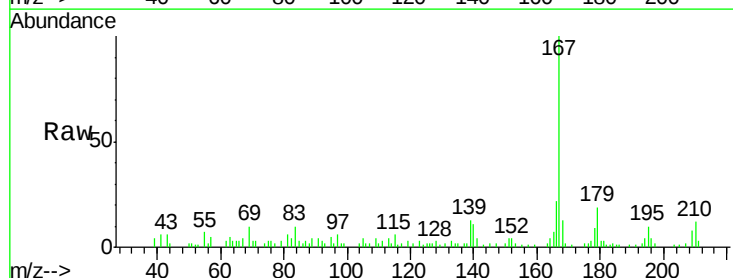
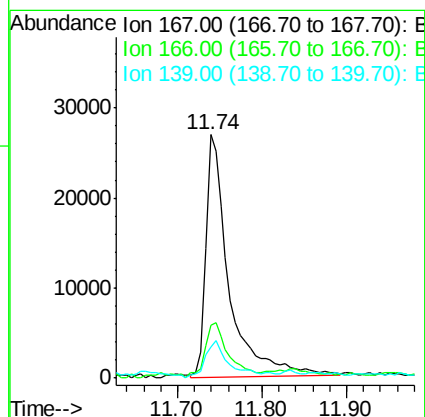
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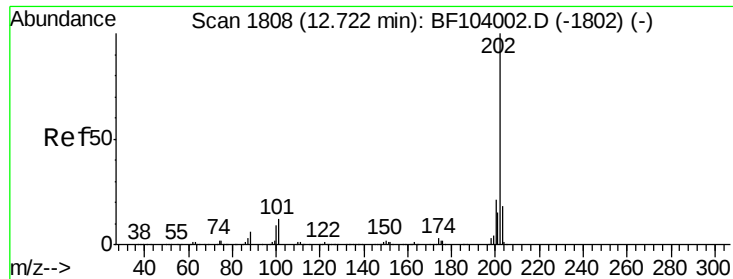
Sohil
 3/29/2018 5:37:00 PM



#72
 Carbazole
 Concen: 3.448 ng
 RT: 11.74 min Scan# 1641
 Delta R.T. -0.00 min
 Lab File: BF104042.D
 Acq: 29 Mar 2018 10:07

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.6	26.4
139	12.7	10.9	16.3





#74

Fluoranthene

Concen: 50.140 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF104042.D

Acq: 29 Mar 2018 10:07

Instrument :

BNA_F

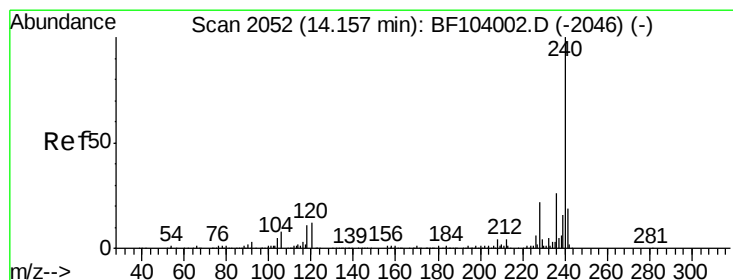
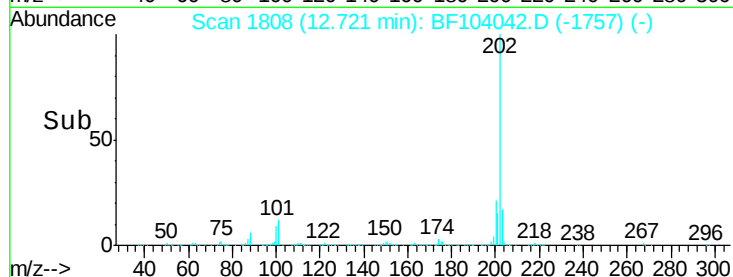
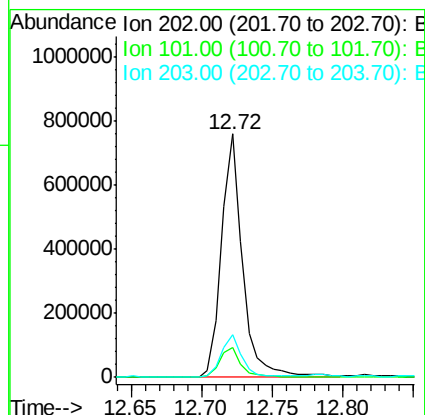
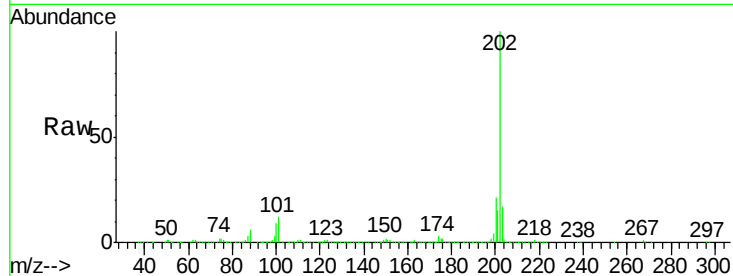
ClientSampleId :

TP-5-DBDL

Tot Ion:	202	Resp:	793718
Ion Ratio	Lower	Upper	
202	100		
101	12.1	0.0	34.1
203	17.4	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

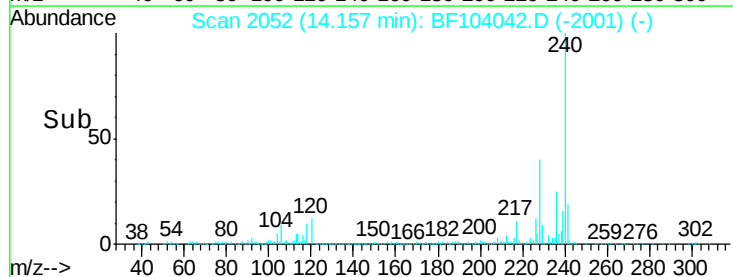
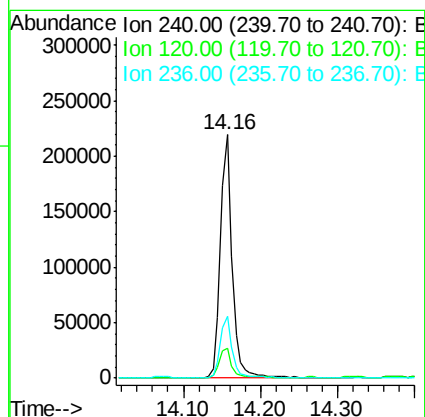
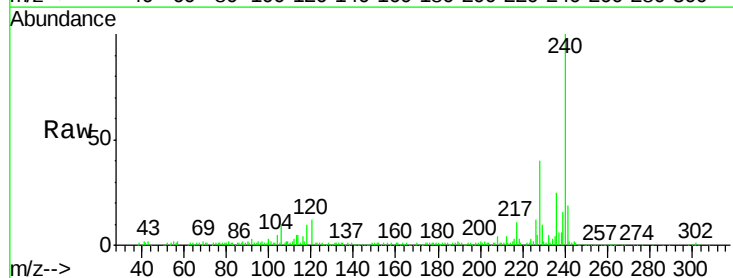
RT: 14.16 min Scan# 2052

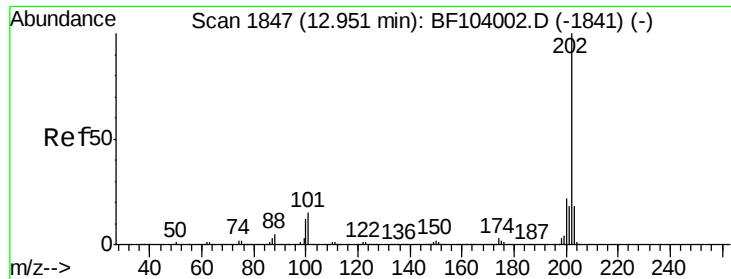
Delta R.T. -0.00 min

Lab File: BF104042.D

Acq: 29 Mar 2018 10:07

Tgt Ion:	240	Resp:	227970
Ion Ratio	Lower	Upper	
240	100		
120	12.2	9.5	14.3
236	25.2	20.7	31.1





#77

Pvrene

Concen: 48.551 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.00 min

Lab File: BF104042.D

Acq: 29 Mar 2018 10:07

Instrument :

BNA_F

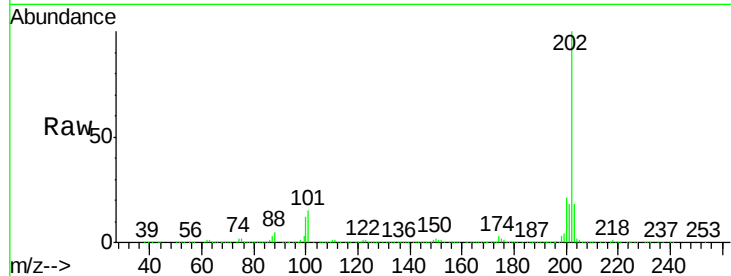
ClientSampleId :

TP-5-DBDL

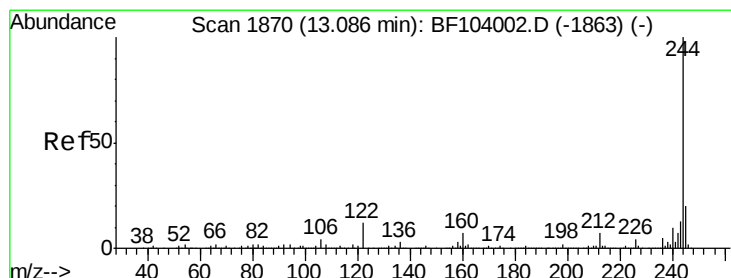
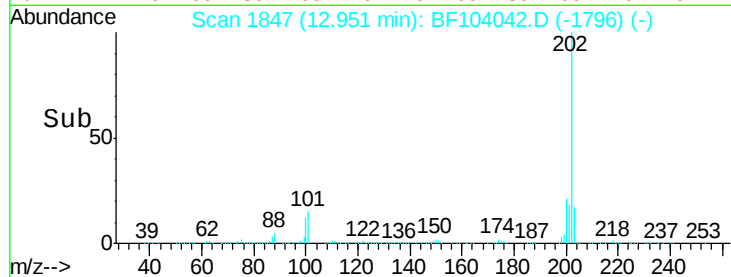
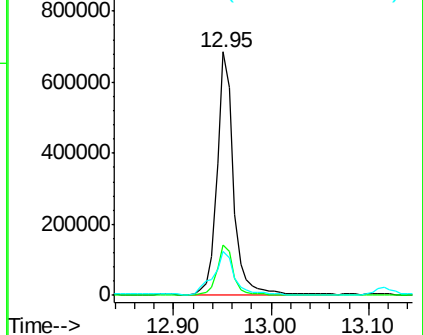
Tot Ion:	202	Resp:	795642
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.4	26.2
203	17.8	14.3	21.5

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 24.080 ng

RT: 13.08 min Scan# 1869

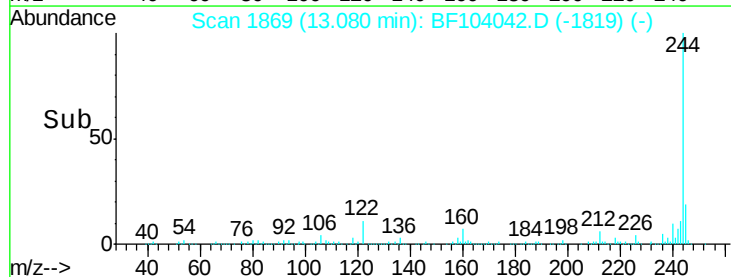
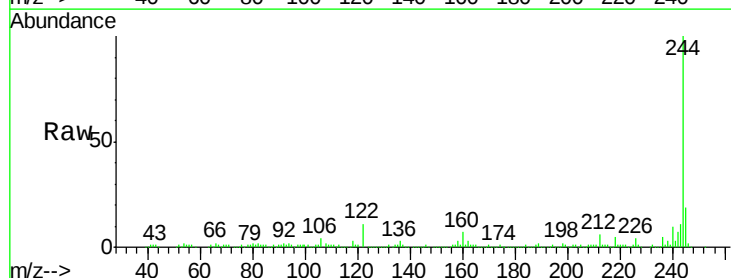
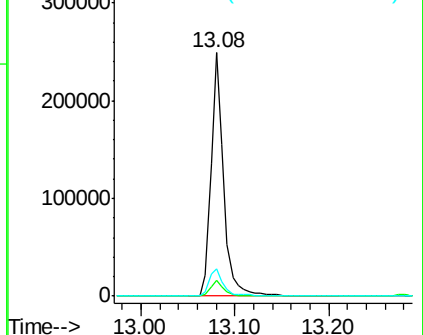
Delta R.T. -0.01 min

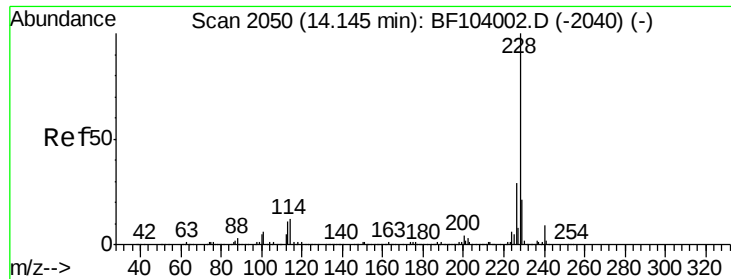
Lab File: BF104042.D

Acq: 29 Mar 2018 10:07

Tgt Ion:	244	Resp:	237754
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.4	8.0
122	11.4	11.0	16.4

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





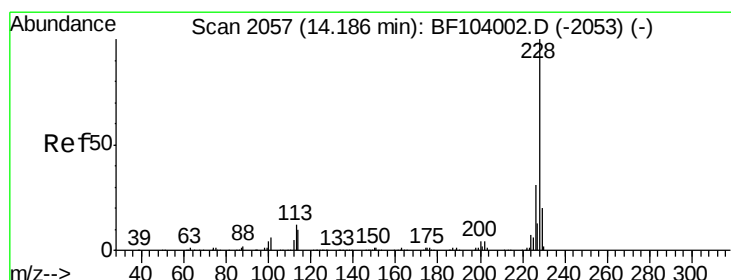
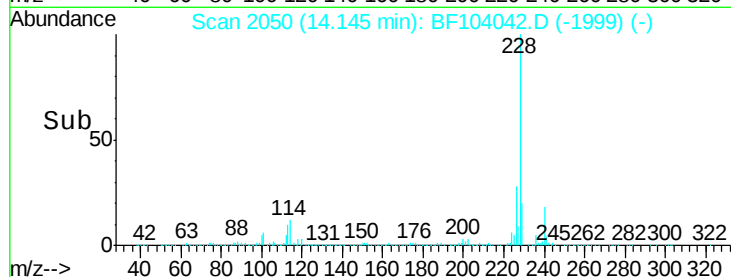
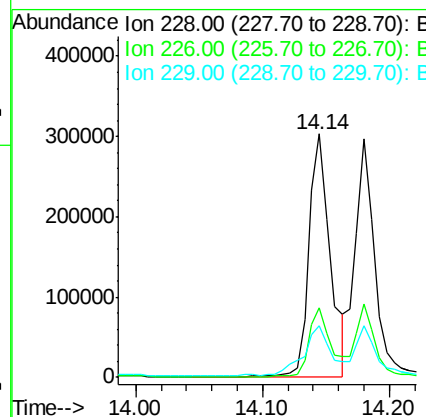
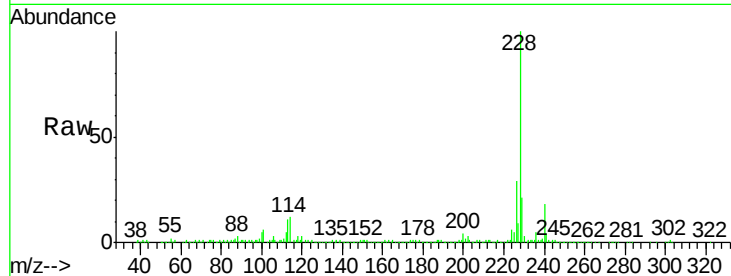
#80
Benzo(a)anthracene
Concen: 24.593 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.00 min
Lab File: BF104042.D
Acq: 29 Mar 2018 10:07

Instrument :
BNA_F
ClientSampleId :
TP-5-DBDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	21.0	15.8	23.6

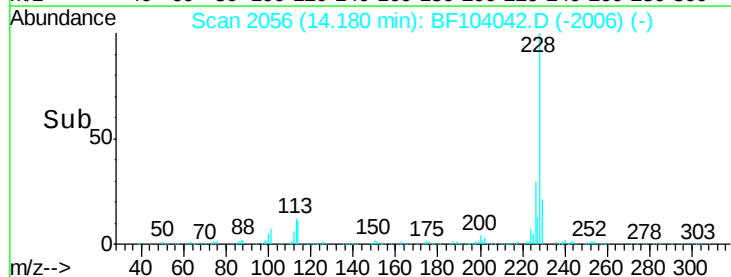
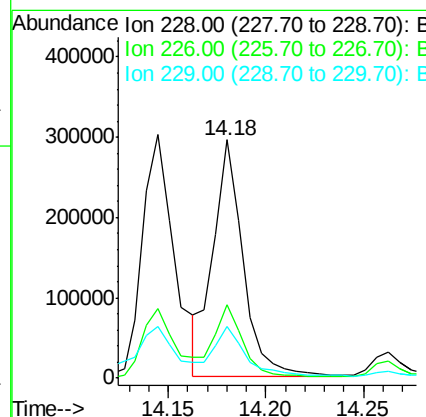
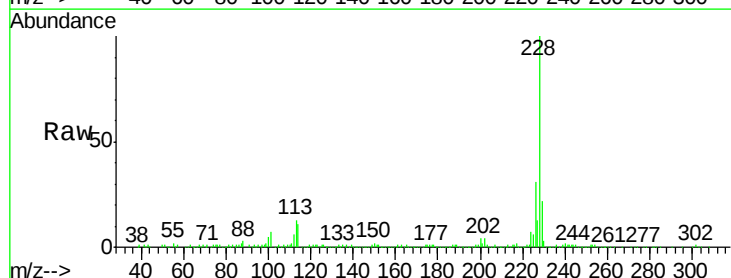
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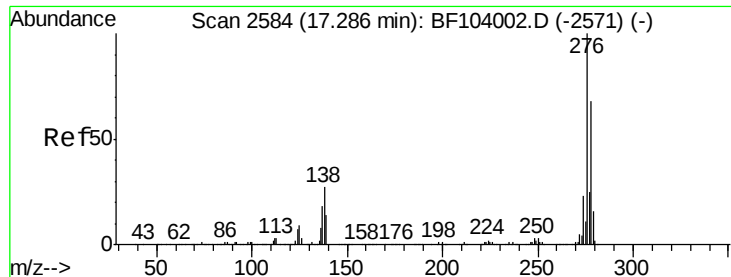
Sohil
3/29/2018 5:37:00 PM



#82
Chrysene
Concen: 22.776 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF104042.D
Acq: 29 Mar 2018 10:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	21.7	16.2	24.4





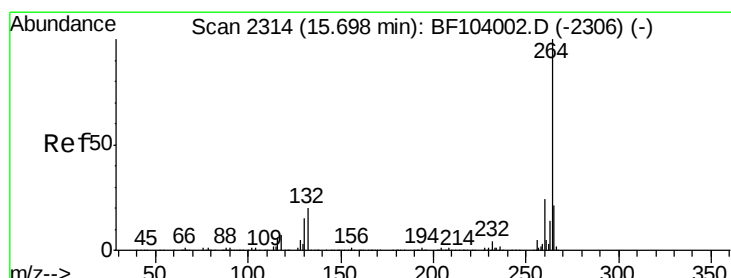
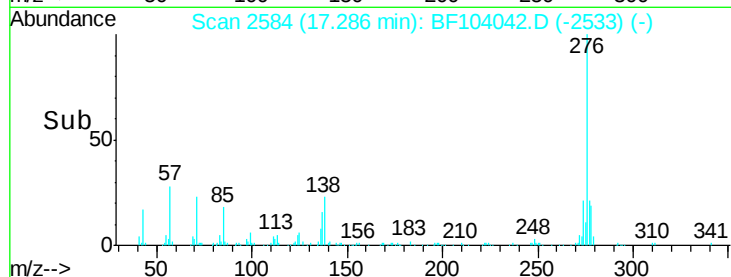
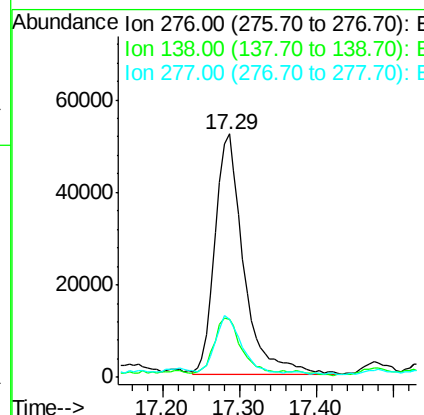
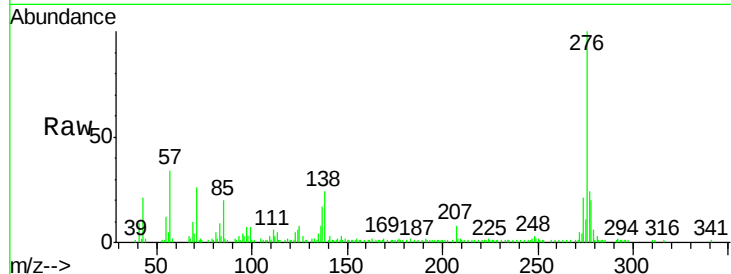
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.335 ng
RT: 17.29 min Scan# 2584
Delta R.T. -0.00 min
Lab File: BF104042.D
Acq: 29 Mar 2018 10:07

Instrument :
BNA_F
ClientSampleId :
TP-5-DBDL

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.4	25.0	37.6#
277	21.0	20.1	30.1

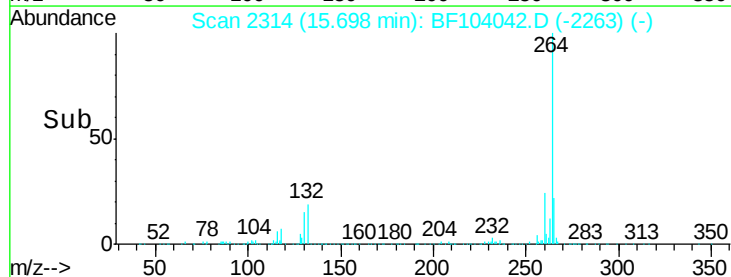
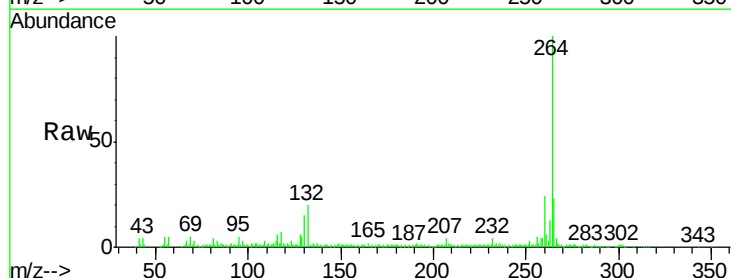
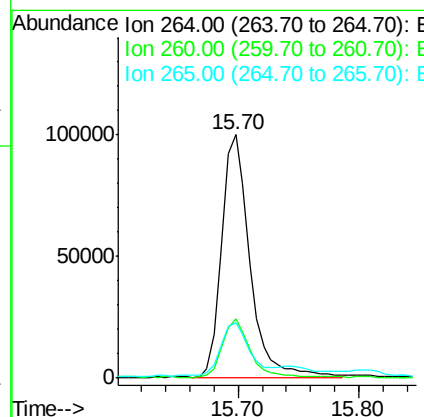
Manual Integrations
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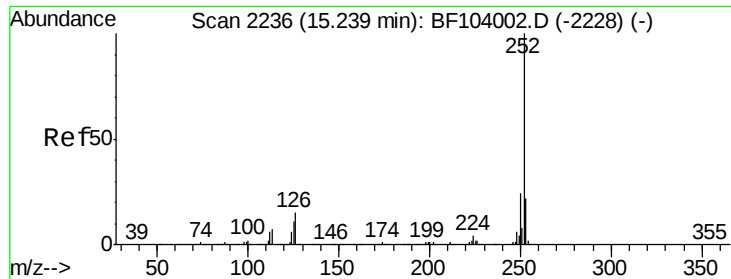
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2314
Delta R.T. -0.00 min
Lab File: BF104042.D
Acq: 29 Mar 2018 10:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.6	17.5	26.3





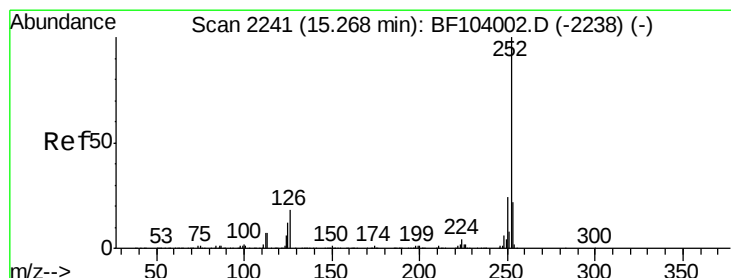
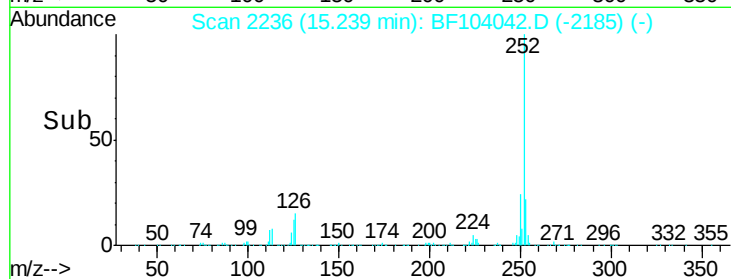
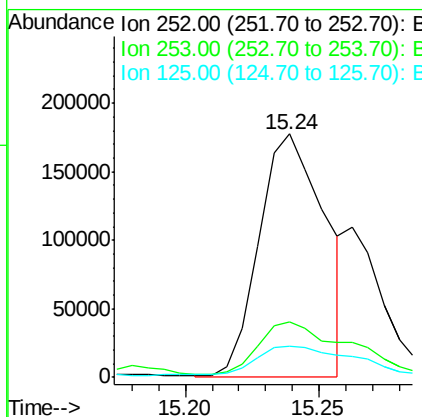
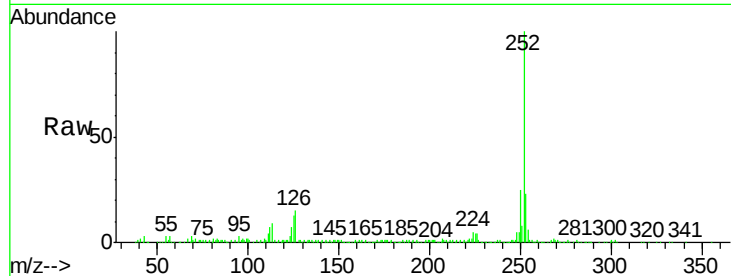
#87
Benzo(b)fluoranthene
Concen: 31.004 ng m
RT: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF104042.D
Acq: 29 Mar 2018 10:07

Instrument :
BNA_F
ClientSampleId :
TP-5-DBDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	12.7	9.0	13.6

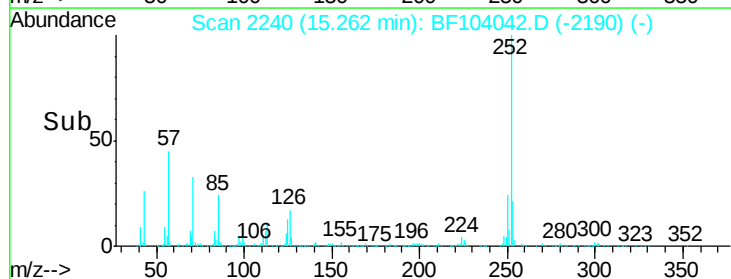
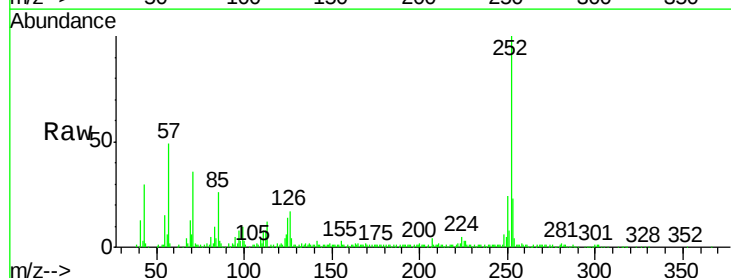
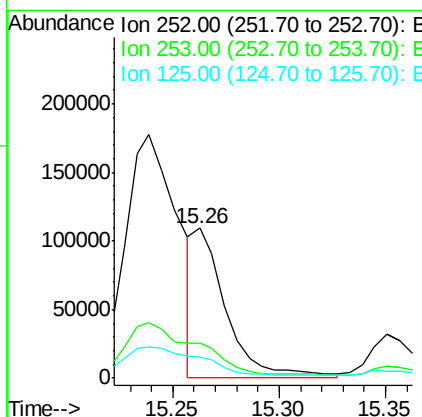
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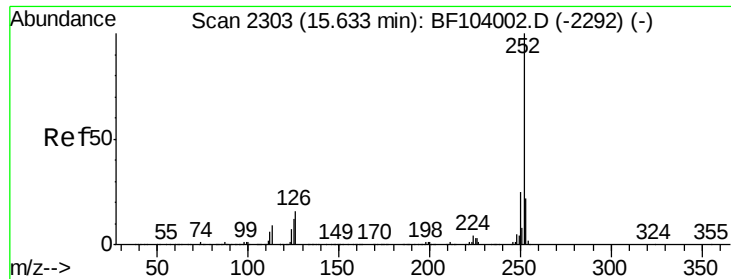
Sohil
3/29/2018 5:37:00 PM



#88
Benzo(k)fluoranthene
Concen: 12.666 ng m
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF104042.D
Acq: 29 Mar 2018 10:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	14.3	10.2	15.2





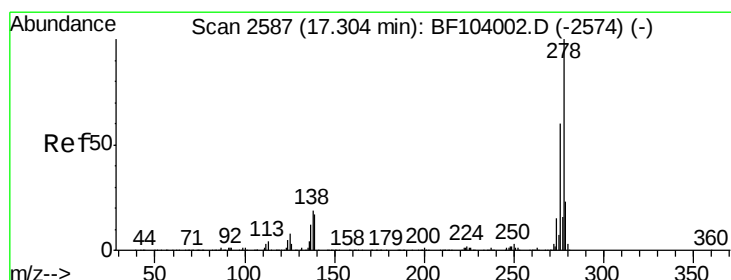
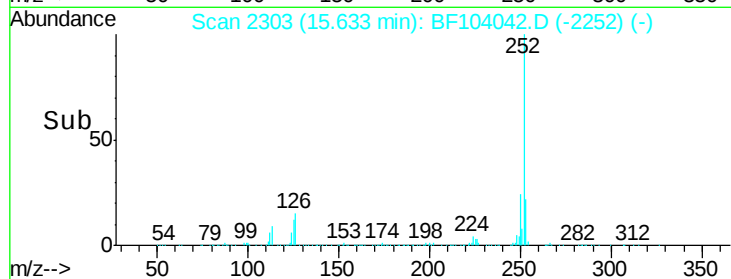
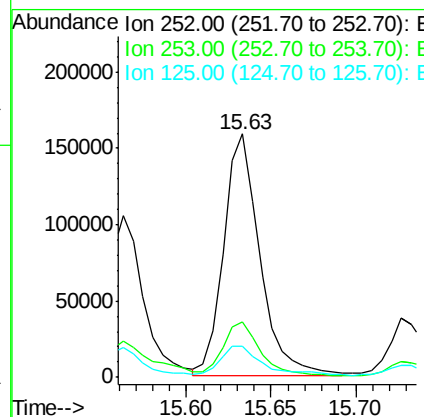
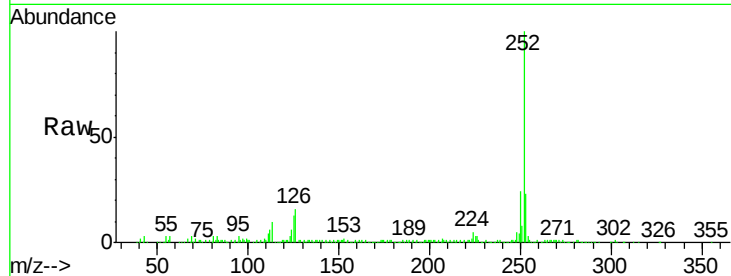
#89
Benzo(a)pyrene
Concen: 26.020 ng
RT: 15.63 min Scan# 2303
Delta R.T. -0.00 min
Lab File: BF104042.D
Acq: 29 Mar 2018 10:07

Instrument :
BNA_F
ClientSampleId :
TP-5-DBDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	12.8	9.8	14.6

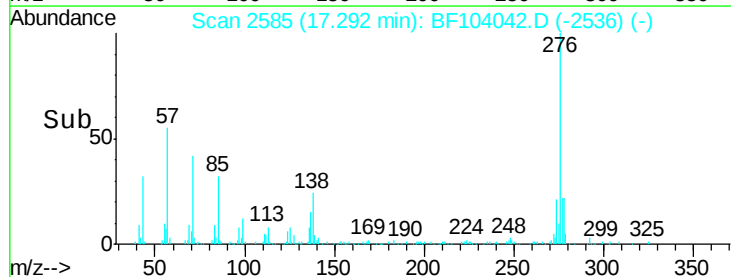
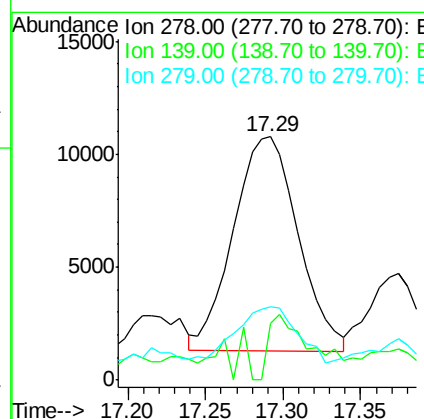
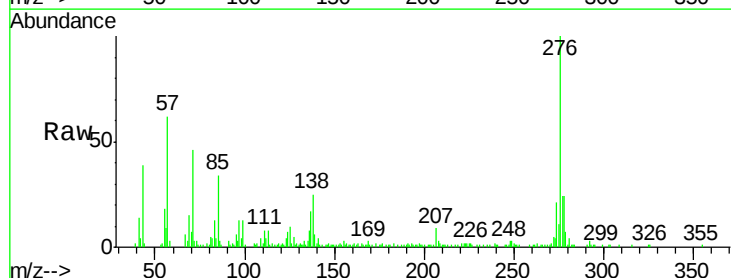
Manual Integrations
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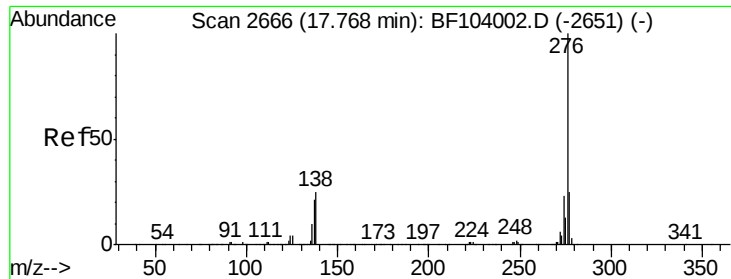
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 3.292 ng m
RT: 17.29 min Scan# 2585
Delta R.T. -0.01 min
Lab File: BF104042.D
Acq: 29 Mar 2018 10:07

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.4	15.9	23.9
279	30.3	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 15.906 ng
 RT: 17.77 min Scan# 2666
 Delta R.T. -0.00 min
 Lab File: BF104042.D
 Acq: 29 Mar 2018 10:07

Instrument :
 BNA_F
 ClientSampleId :
 TP-5-DBDL

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.3	17.9	26.9#
138	25.7	21.8	32.8

Manual Integrations
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 3/29/2018 5:37:00 PM

