

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032618\
 Data File : BF103940.D
 Acq On : 26 Mar 2018 22:07
 Operator : JU/SJ
 Sample : J1760-07 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-032318-B

Manual Integrations
 APPROVED

Sohil
 3/27/2018 2:15:46 PM

Quant Time: Mar 27 08:23:37 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	145845	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	581141	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	255497	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	391664	20.00	ng	0.00
75) Chrysene-d12	14.16	240	278331	20.00	ng	0.00
86) Perylene-d12	15.71	264	248145	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	508753	53.06	ng	0.00
7) Phenol-d6	6.59	99	613921	52.33	ng	0.00
23) Nitrobenzene-d5	7.53	82	355741	42.69	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	136099	61.95	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	618829	38.64	ng	0.00
78) Terphenyl-d14	13.10	244	454141	37.87	ng	0.00
Target Compounds						
10) Phenol	6.60	94	41108	3.298	ng	92
49) Dimethylphthalate	9.72	163	46734	2.397	ng	# 99
51) Acenaphthene	10.05	154	36114	2.318	ng	98
57) Fluorene	10.56	166	54958	3.183	ng	99
70) Phenanthrene	11.53	178	468408	21.863	ng	98
71) Anthracene	11.59	178	108190	4.972	ng	98
74) Fluoranthene	12.73	202	441693	20.011	ng	99
77) Pyrene	12.96	202	450019	22.016	ng	99
80) Benzo(a)anthracene	14.15	228	171720	9.747	ng	97
82) Chrysene	14.19	228	162697	9.687	ng	97
85) Indeno(1,2,3-cd)pyrene	17.29	276	71891	4.902	ng	# 91
87) Benzo(b)fluoranthene	15.25	252	173527m	11.069	ng	
88) Benzo(k)fluoranthene	15.27	252	53391m	3.543	ng	
89) Benzo(a)pyrene	15.64	252	130831	9.201	ng	# 95
91) Benzo(a,h,i)perylene	17.78	276	72093	6.019	ng	# 93

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

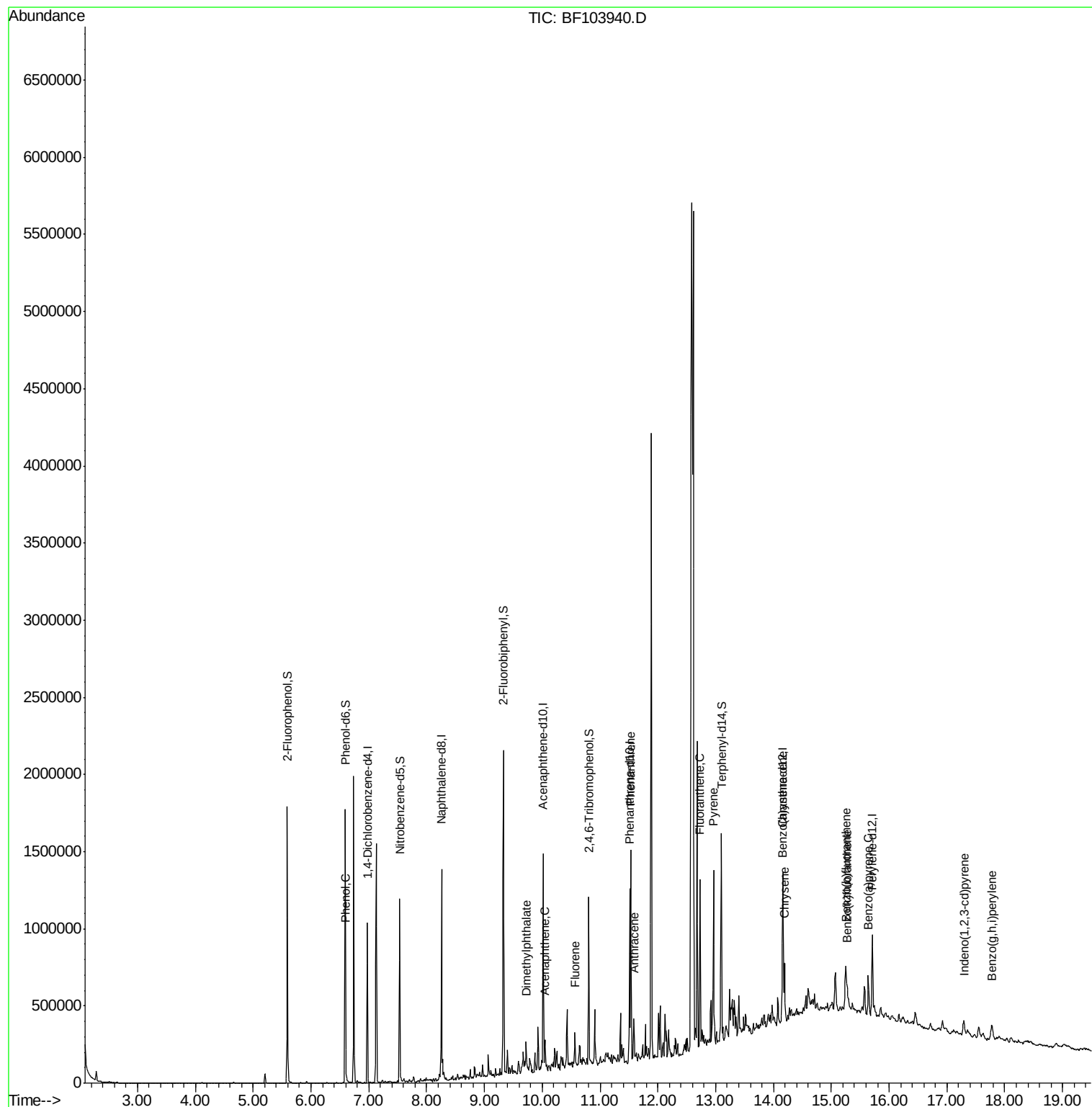
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032618\
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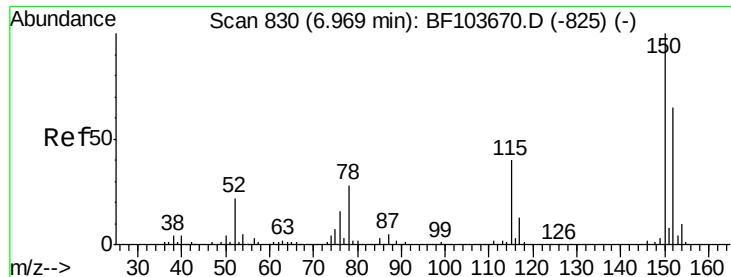
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

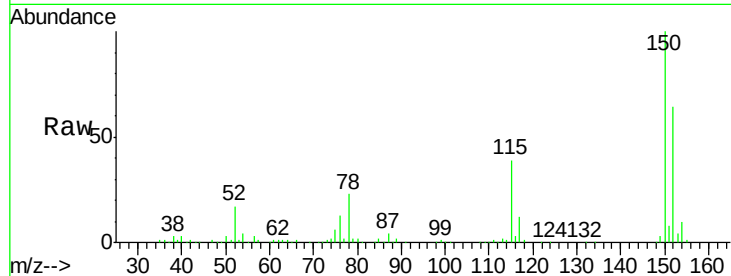
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.00 min
Lab File: BF103940.D
Acq: 26 Mar 2018 22:07

Instrument :
BNA_F
ClientSampleId :
SU-04-032318-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.6	186.8
115	60.8	50.1	75.1

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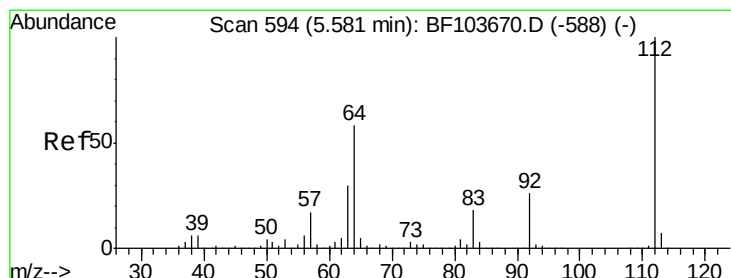
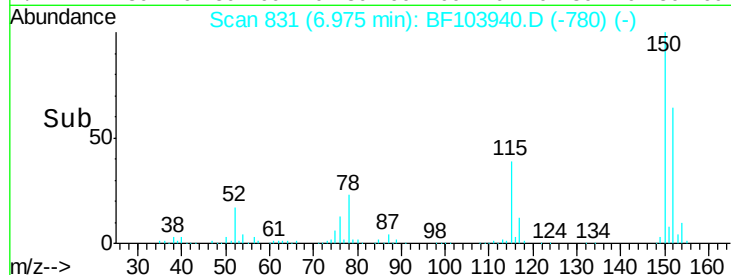
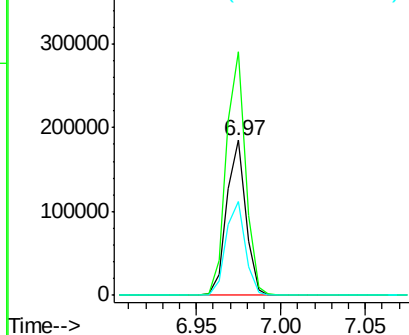


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

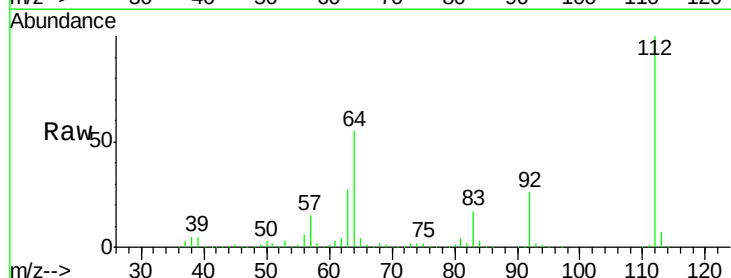
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 53.057 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.00 min
Lab File: BF103940.D
Acq: 26 Mar 2018 22:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	47.9	71.9
63	27.2	23.7	35.5

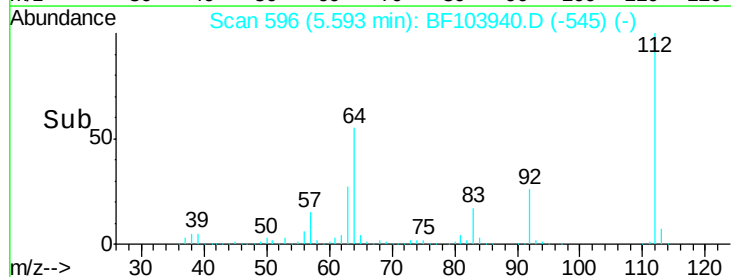
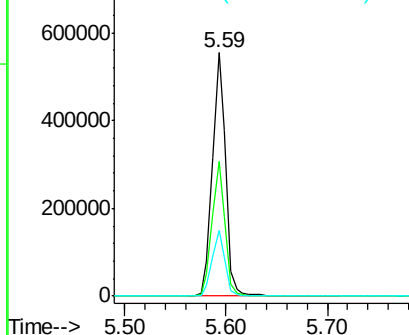


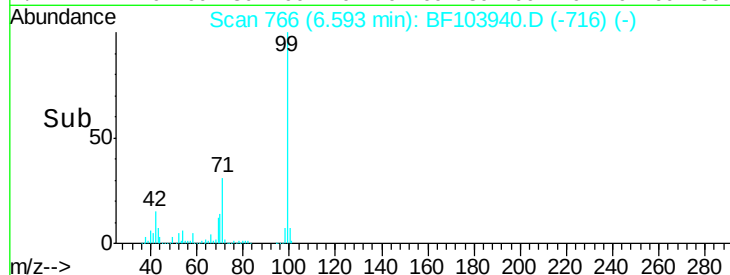
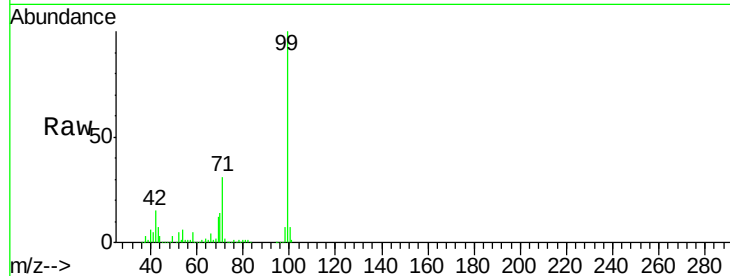
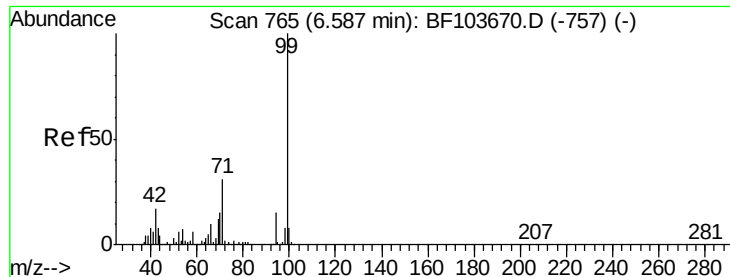
Abundance

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: 52.332 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF103940.D

Acq: 26 Mar 2018 22:07

Tot Ion:	99	Resp:	613921
Ion Ratio	Lower	Upper	
99	100		
42	14.8	14.5	21.7
71	31.3	25.4	38.0

Instrument :

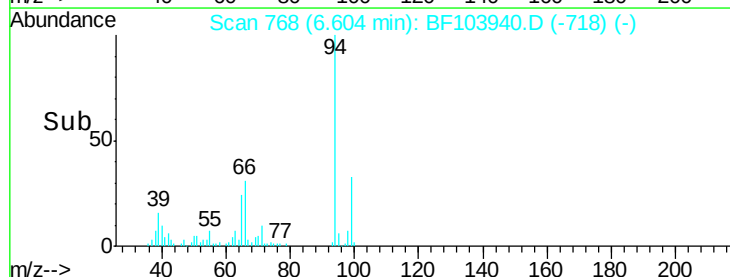
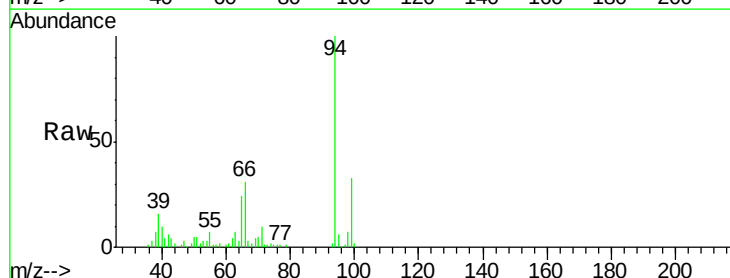
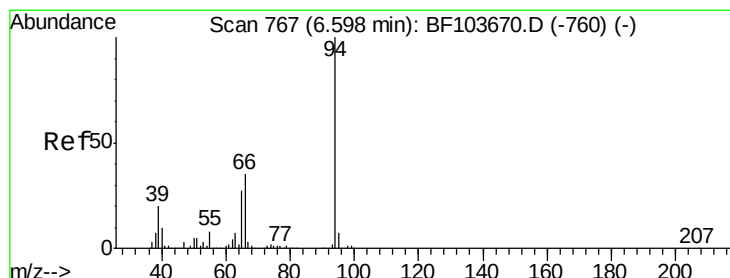
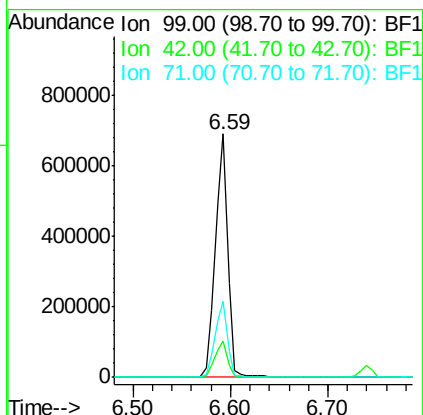
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#10

Phenol

Concen: 3.298 ng

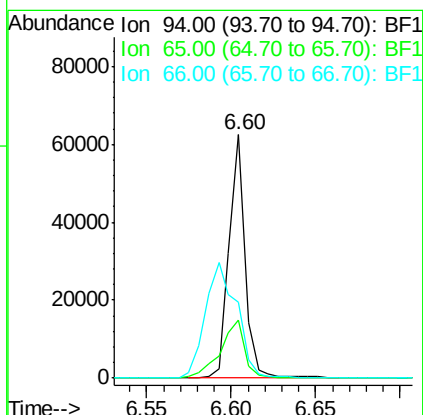
RT: 6.60 min Scan# 768

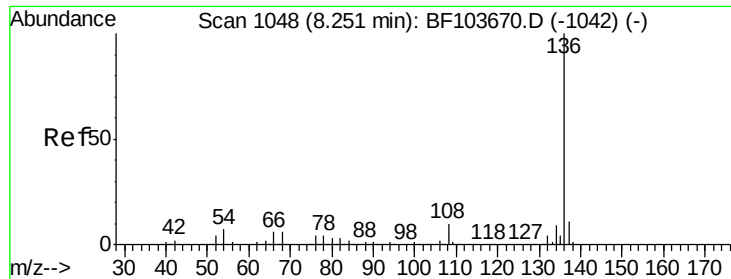
Delta R.T. -0.01 min

Lab File: BF103940.D

Acq: 26 Mar 2018 22:07

Tgt Ion:	94	Resp:	41108
Ion Ratio	Lower	Upper	
94	100		
65	23.9	7.9	47.9
66	31.5	16.2	56.2





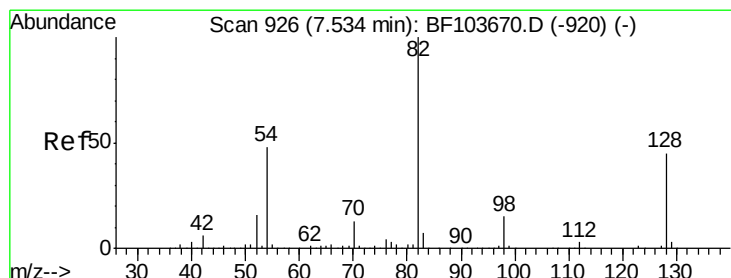
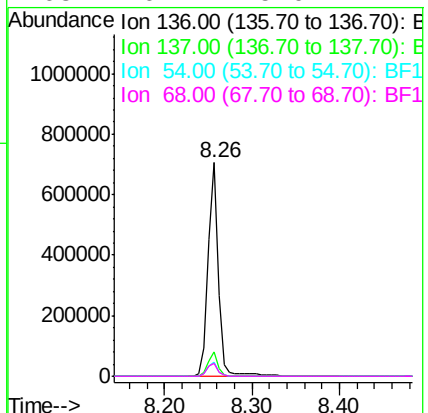
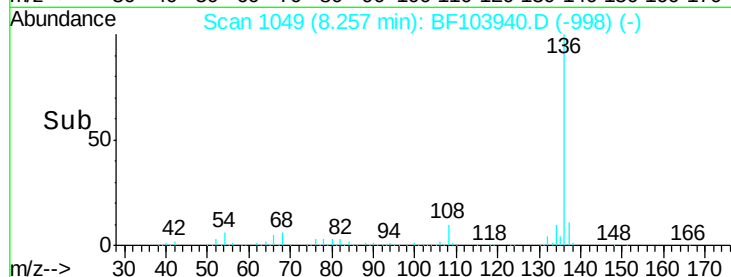
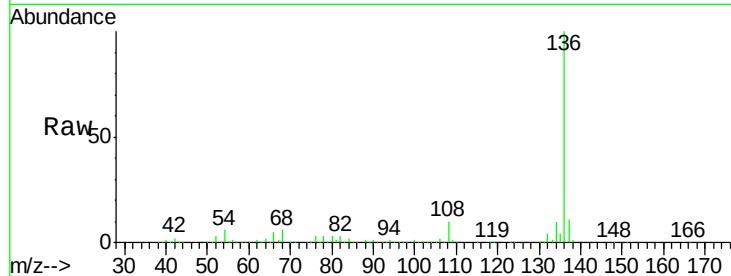
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. 0.00 min
Lab File: BF103940.D
Acq: 26 Mar 2018 22:07

Instrument :
BNA_F
ClientSampleId :
SU-04-032318-B

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.9	13.3	
54	6.5	6.6	9.8	
68	6.1	5.0	7.4	

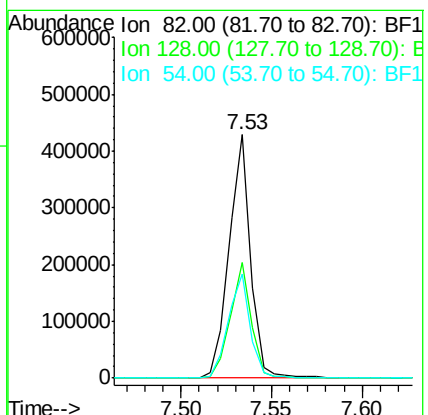
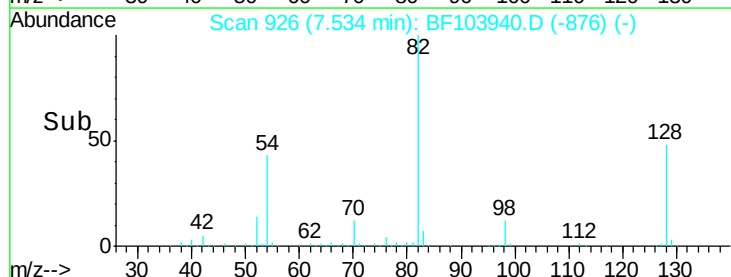
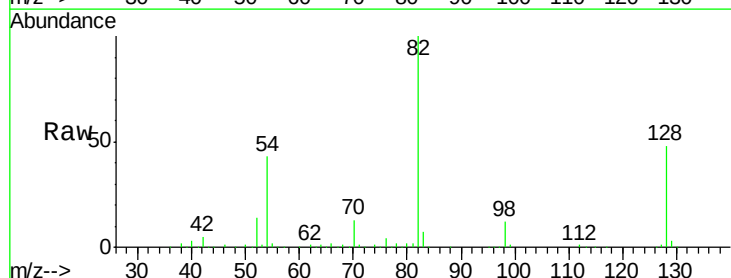
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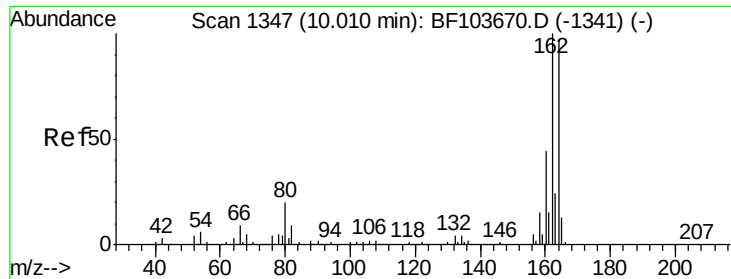
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#23
Nitrobenzene-d5
Concen: 42.688 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.01 min
Lab File: BF103940.D
Acq: 26 Mar 2018 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.6	36.1	54.1	
54	42.9	41.4	62.2	





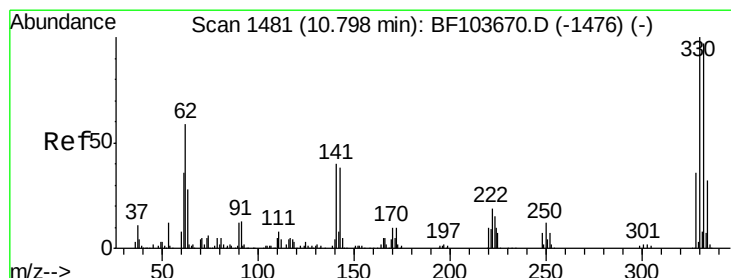
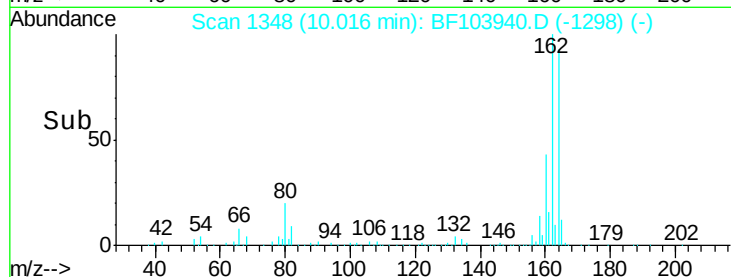
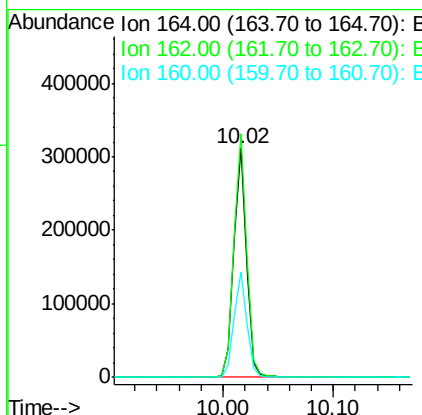
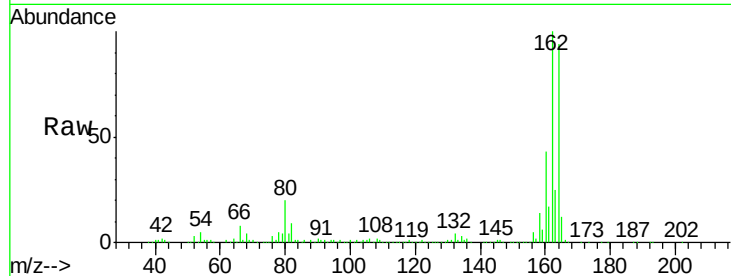
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF103940.D
Acq: 26 Mar 2018 22:07

Instrument :
BNA_F
ClientSampleId :
SU-04-032318-B

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	106.3	86.1	129.1	
160	45.8	38.3	57.5	

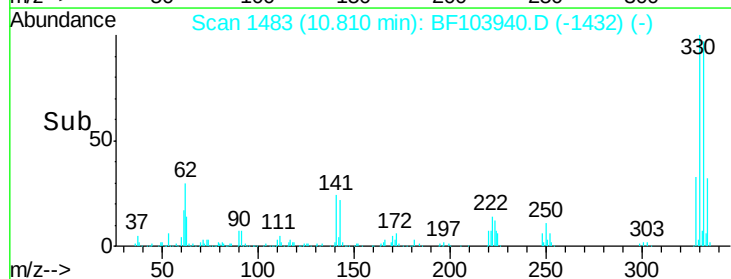
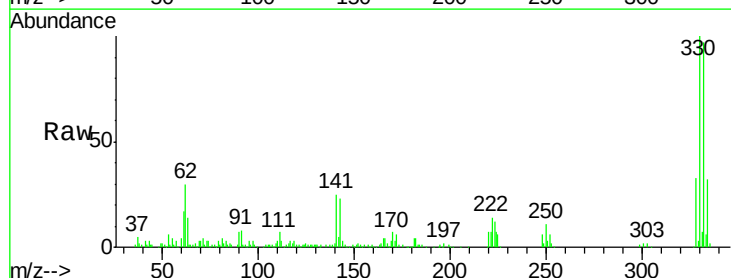
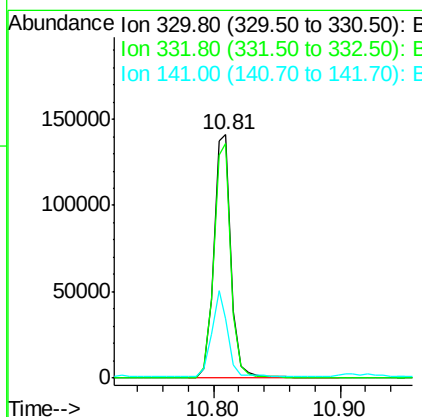
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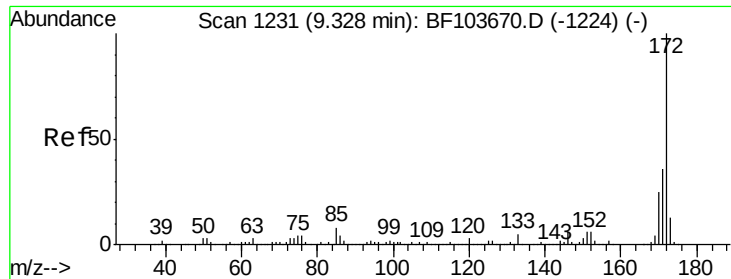
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#41
2,4,6-Tribromophenol
Concen: 61.954 ng
RT: 10.81 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BF103940.D
Acq: 26 Mar 2018 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.9	77.0	115.6	
141	32.5	29.9	44.9	





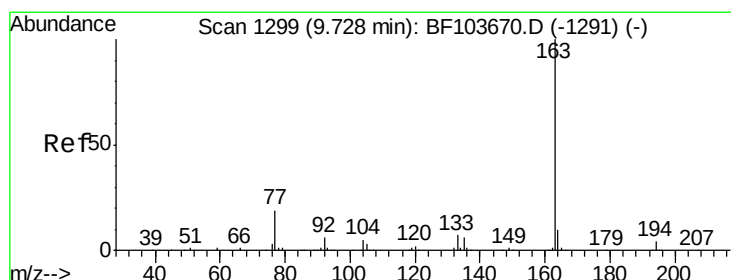
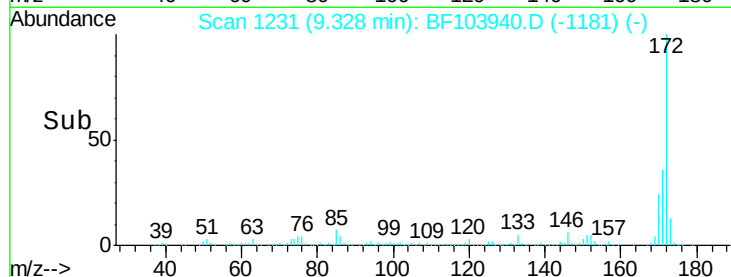
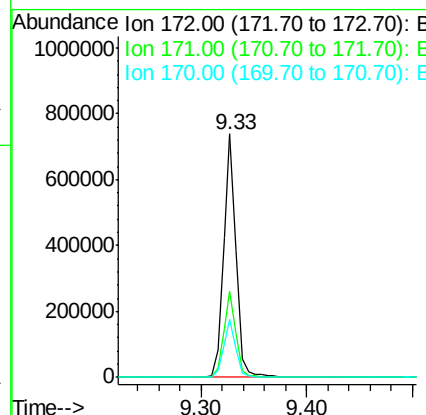
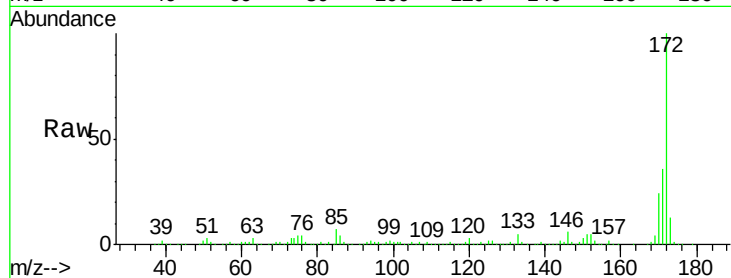
#44
2-Fluorobiphenyl
Concen: 38.635 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF103940.D
Acq: 26 Mar 2018 22:07

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	24.1	19.6	29.4

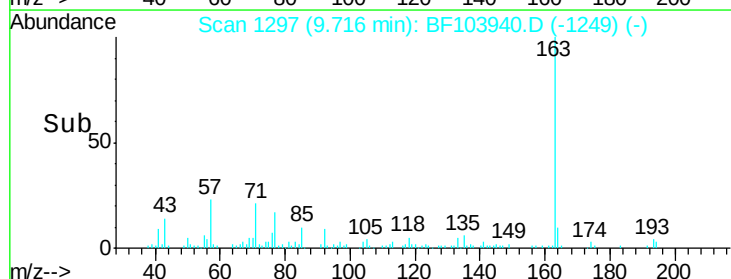
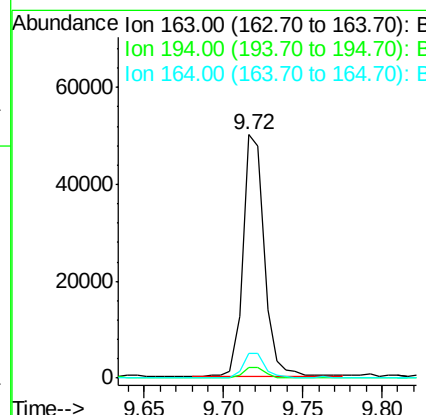
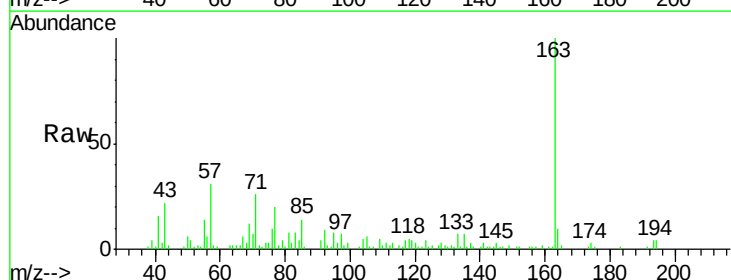
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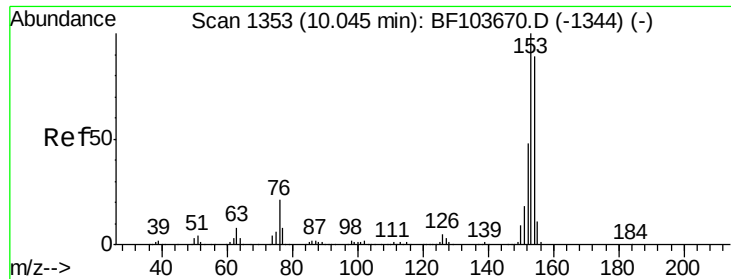
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#49
Dimethylphthalate
Concen: 2.397 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF103940.D
Acq: 26 Mar 2018 22:07

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	2.7	4.1#
164	10.3	8.2	12.2





#51

Acenaphthene

Concen: 2.318 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BF103940.D

Acq: 26 Mar 2018 22:07

Instrument :

BNA_F

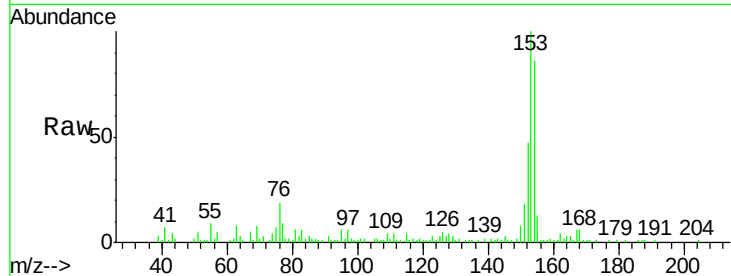
ClientSampleId :

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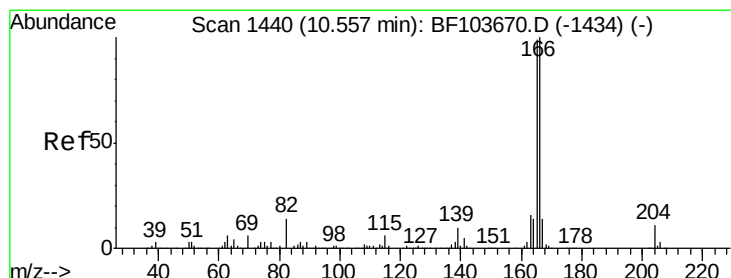
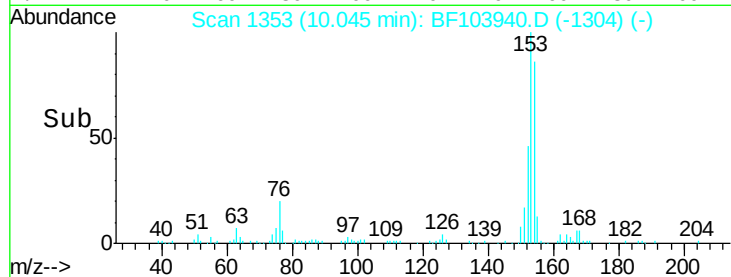
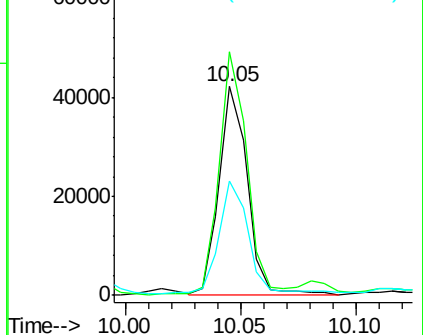
Tot Ion:	154	Resp:	36114
Ion Ratio	Lower	Upper	
154	100		
153	116.7	91.2	136.8
152	54.6	43.8	65.8

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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



#57

Fluorene

Concen: 3.183 ng

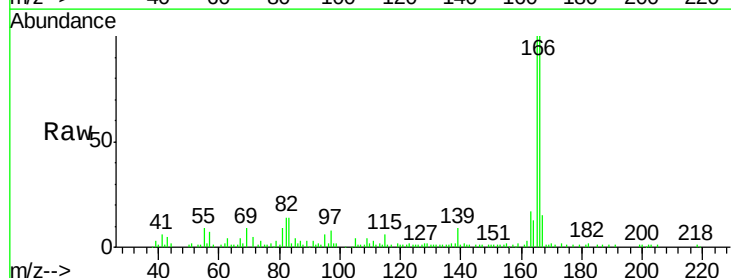
RT: 10.56 min Scan# 1441

Delta R.T. -0.01 min

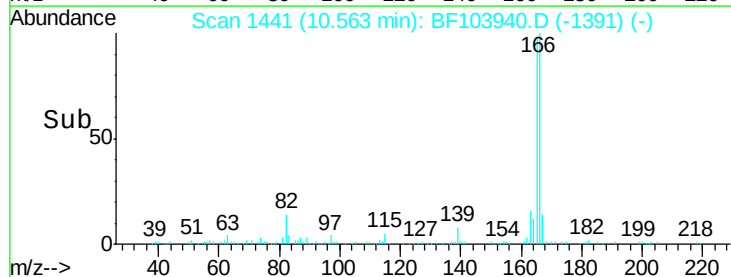
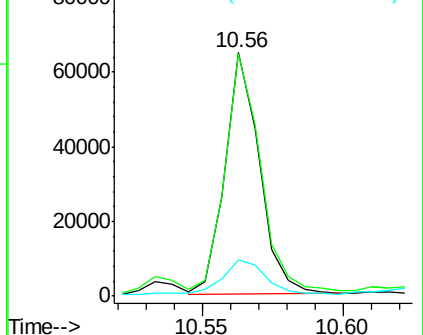
Lab File: BF103940.D

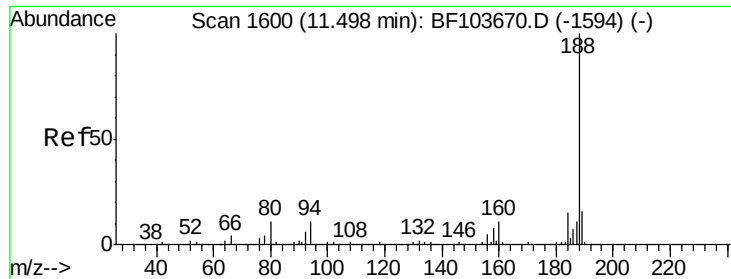
Acq: 26 Mar 2018 22:07

Tgt Ion:	166	Resp:	54958
Ion Ratio	Lower	Upper	
166	100		
165	99.5	79.8	119.8
167	14.8	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1602

Delta R.T. 0.00 min

Lab File: BF103940.D

Acq: 26 Mar 2018 22:07

Instrument :

BNA_F

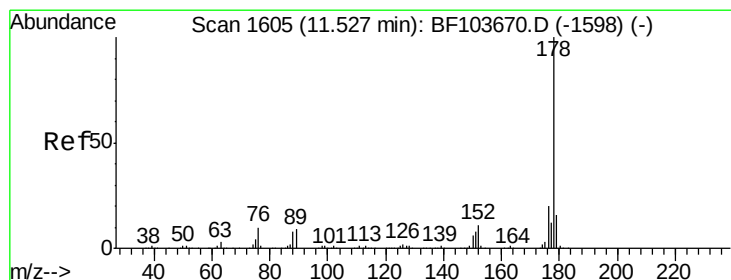
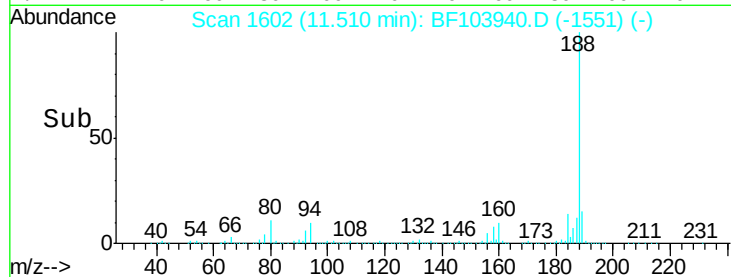
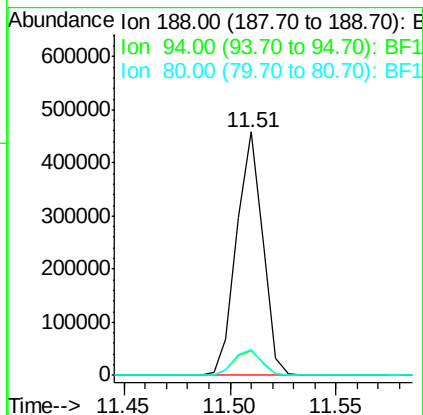
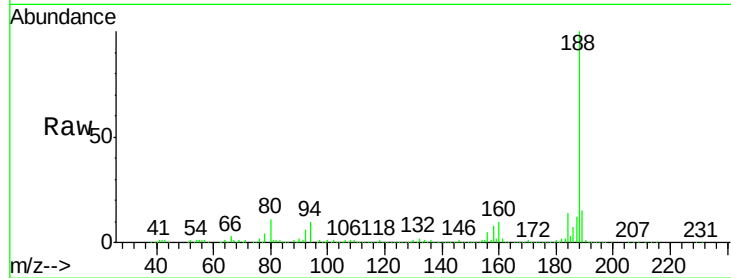
ClientSampleId :

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Tot Ion:	188	Resp:	391664
Ion Ratio	Lower	Upper	
188	100		
94	10.0	8.5	12.7
80	10.9	9.2	13.8

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#70

Phenanthrene

Concen: 21.863 ng

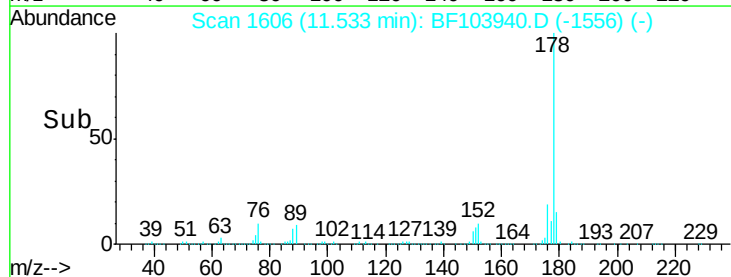
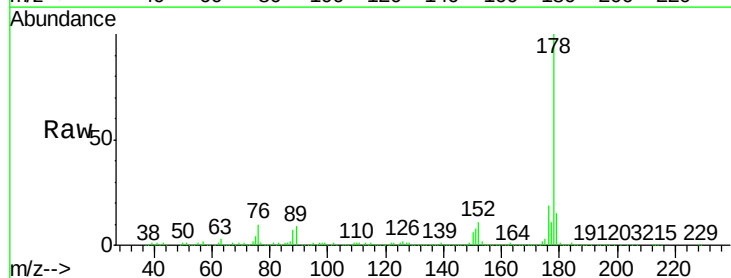
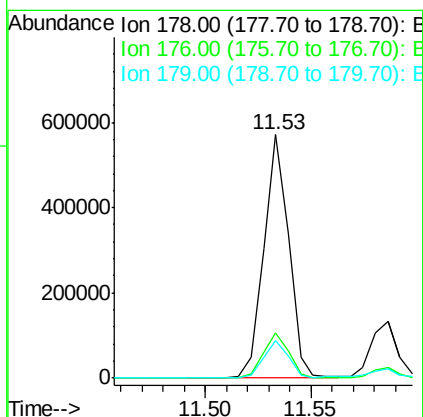
RT: 11.53 min Scan# 1606

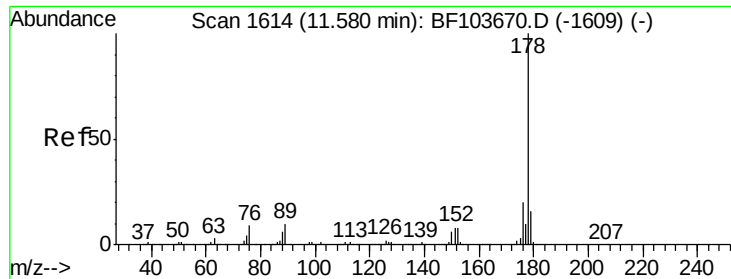
Delta R.T. -0.01 min

Lab File: BF103940.D

Acq: 26 Mar 2018 22:07

Tgt Ion:	178	Resp:	468408
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.8	23.8
179	15.3	13.0	19.6





#71

Anthracene

Concen: 4.972 ng

RT: 11.59 min Scan# 1615

Delta R.T. -0.01 min

Lab File: BF103940.D

Acq: 26 Mar 2018 22:07

Instrument :

BNA_F

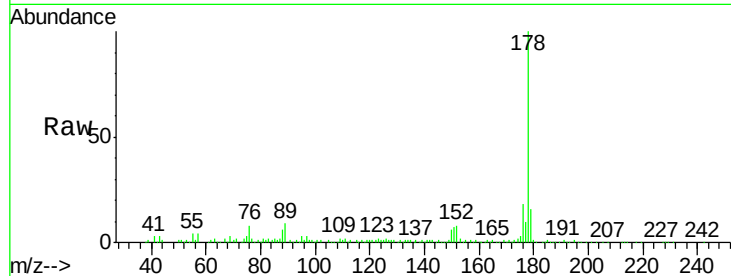
ClientSampleId :

SU-04-032318-B

Tot Ion:	178	Resp:	108190
Ion Ratio	Lower	Upper	
178	100		
176	17.8	15.4	23.2
179	15.5	12.6	19.0

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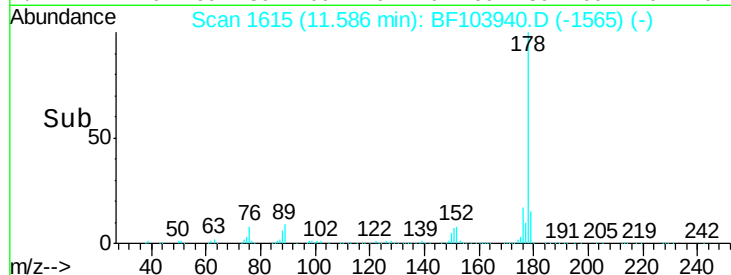
Sohil
3/27/2018 2:15:46 PM



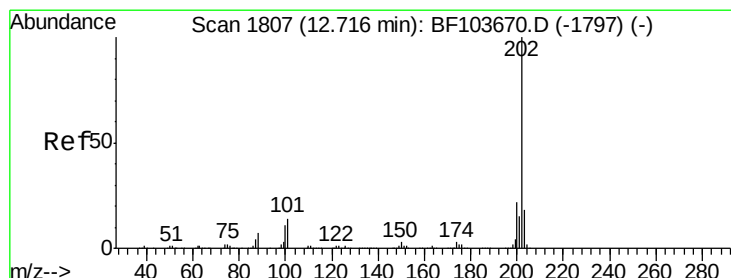
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#74

Fluoranthene

Concen: 20.011 ng

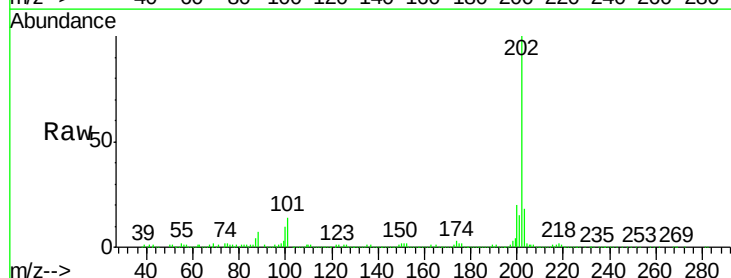
RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF103940.D

Acq: 26 Mar 2018 22:07

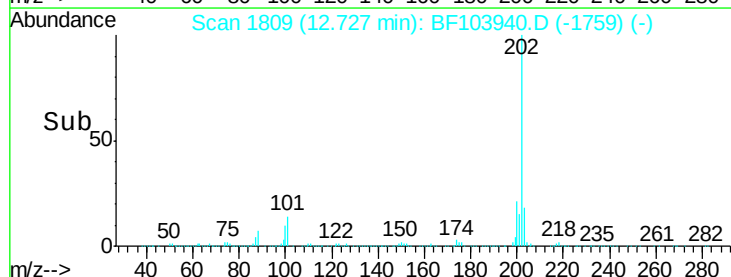
Tgt Ion:	202	Resp:	441693
Ion Ratio	Lower	Upper	
202	100		
101	13.7	0.0	34.1
203	17.7	0.0	38.1



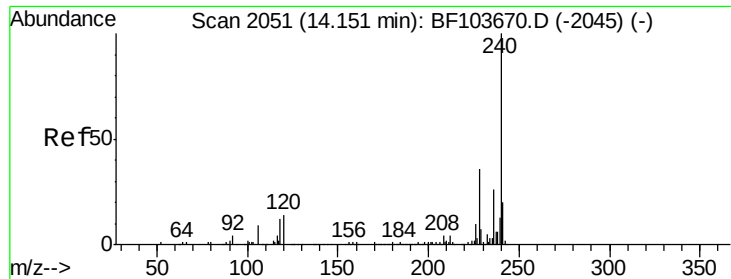
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BF103940.D

Acq: 26 Mar 2018 22:07

Instrument :

BNA_F

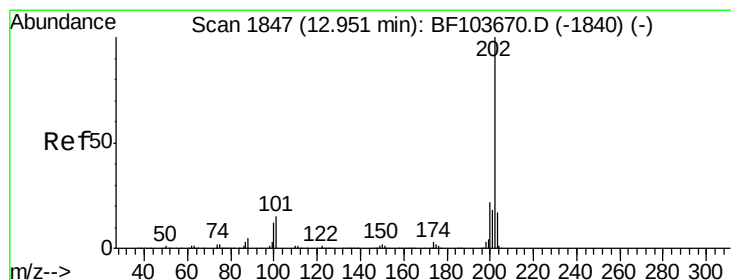
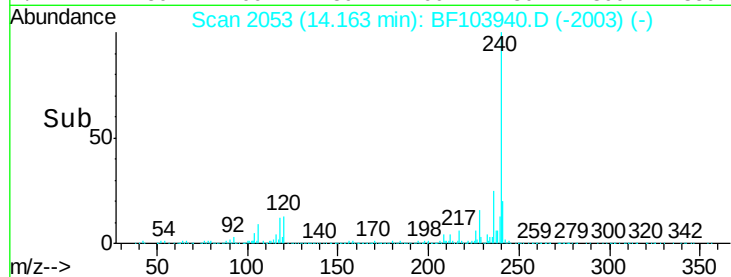
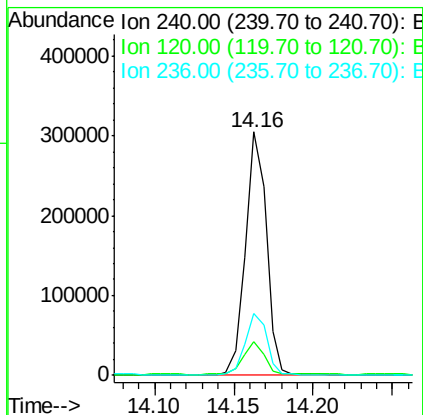
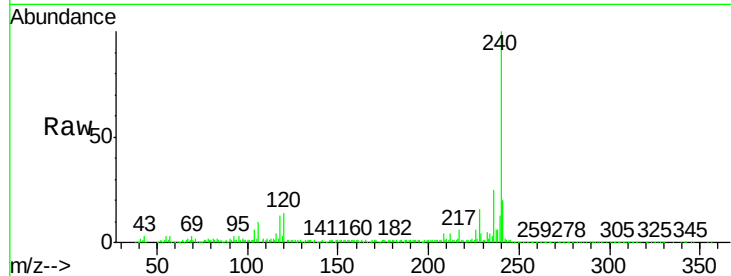
ClientSampleId :

SU-04-032318-B

Tot Ion:	240	Resp:	278331
Ion Ratio	Lower	Upper	
240	100		
120	13.8	9.5	14.3
236	25.3	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 22.016 ng

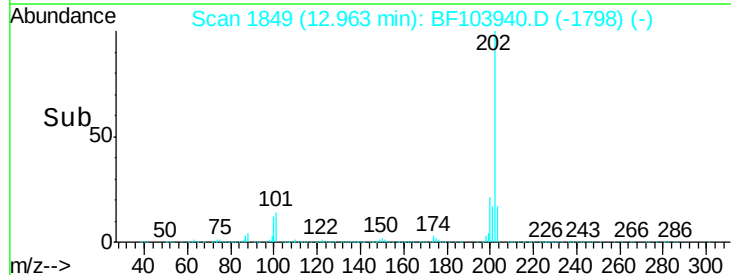
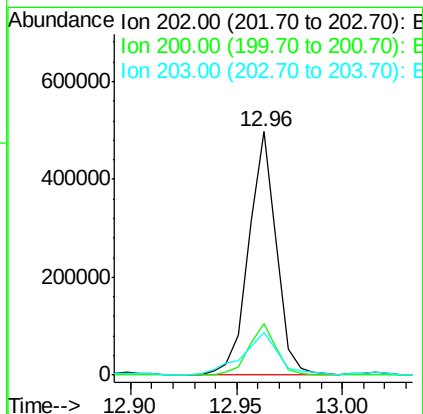
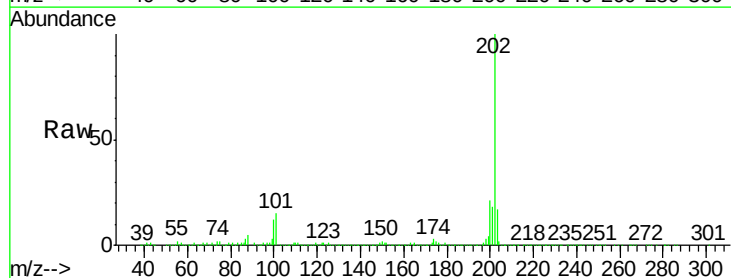
RT: 12.96 min Scan# 1849

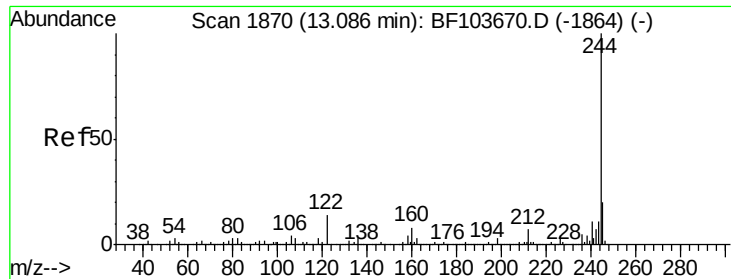
Delta R.T. 0.00 min

Lab File: BF103940.D

Acq: 26 Mar 2018 22:07

Tgt Ion:	202	Resp:	450019
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	17.4	14.3	21.5





#78

Terphenyl-d14

Concen: 37.873 ng

RT: 13.10 min Scan# 1872

Delta R.T. 0.00 min

Lab File: BF103940.D

Acq: 26 Mar 2018 22:07

Instrument :

BNA_F

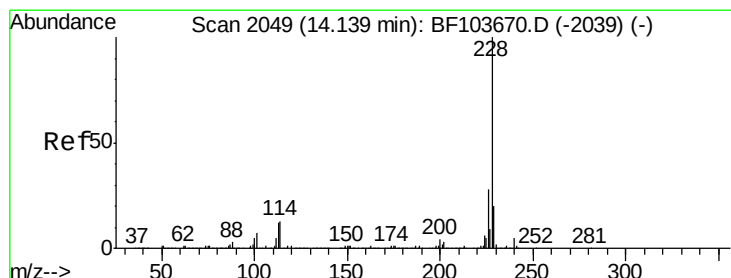
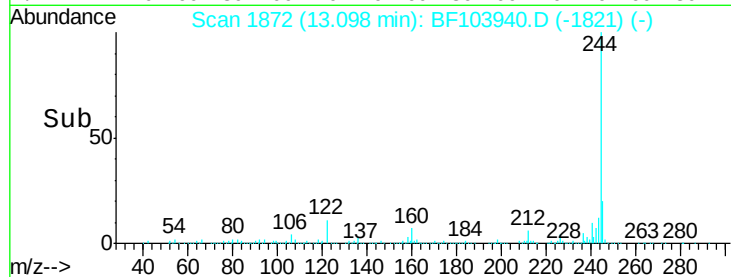
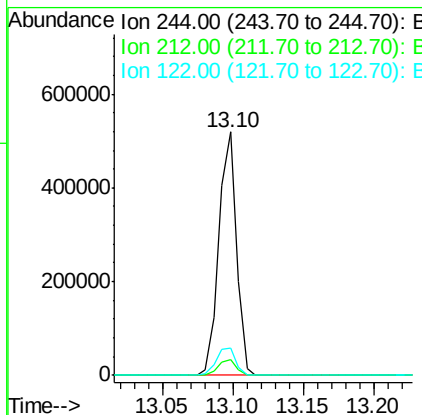
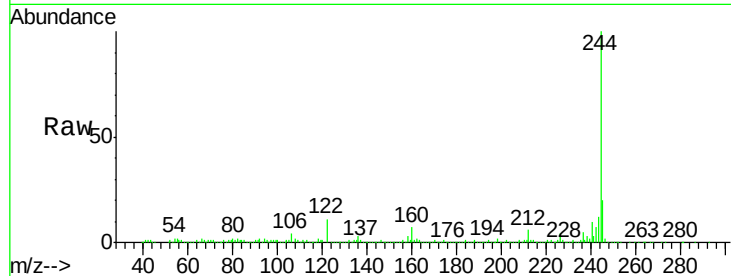
ClientSampleId :

SU-04-032318-B

Tot Ion:	244	Resp:	454141
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.4	8.0
122	11.4	11.0	16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 9.747 ng

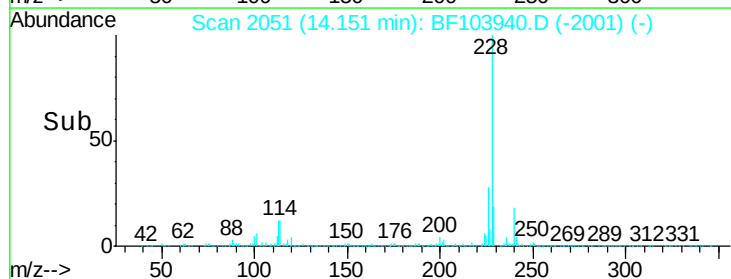
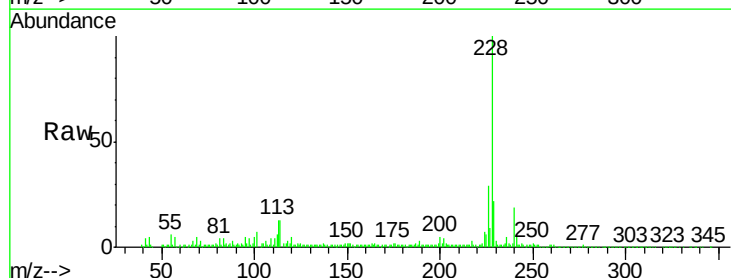
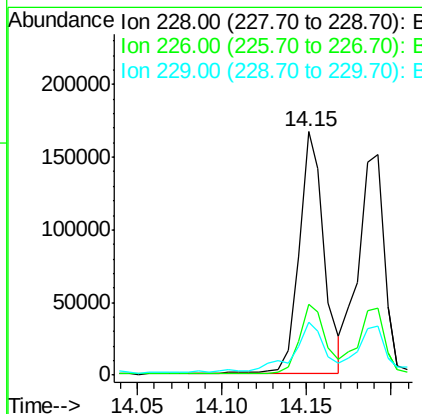
RT: 14.15 min Scan# 2051

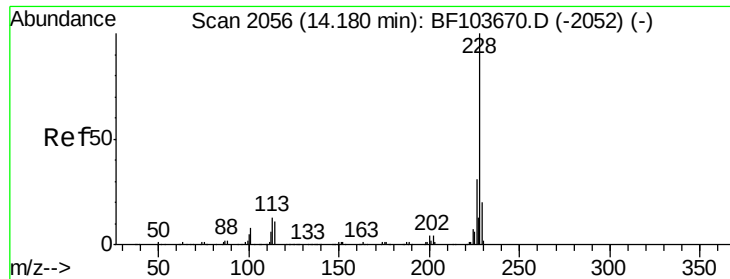
Delta R.T. -0.01 min

Lab File: BF103940.D

Acq: 26 Mar 2018 22:07

Tgt Ion:	228	Resp:	171720
Ion Ratio	Lower	Upper	
228	100		
226	29.3	22.6	33.8
229	21.9	15.8	23.6





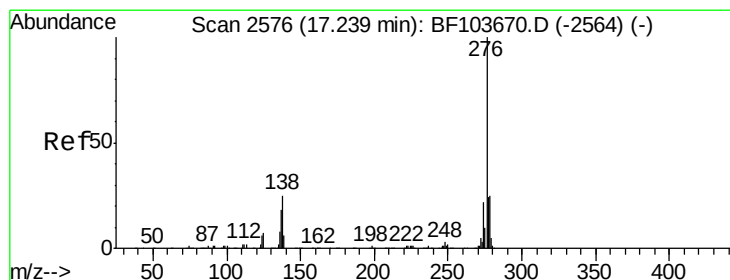
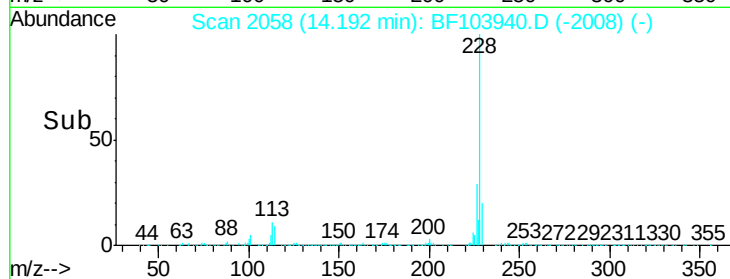
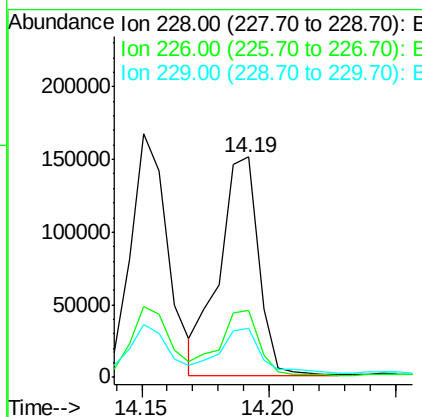
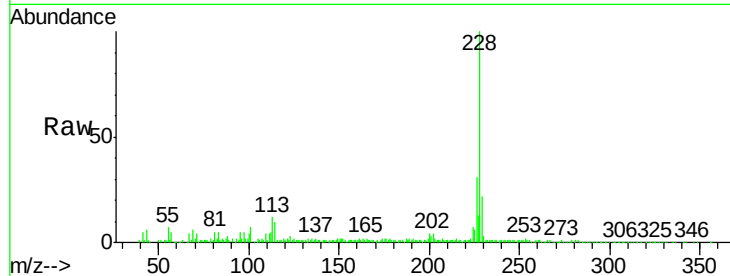
#82
Chrysene
Concen: 9.687 ng
RT: 14.19 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BF103940.D
Acq: 26 Mar 2018 22:07

Instrument :
BNA_F
ClientSampleId :
SU-04-032318-B

Tot Ion:	228	Resp:	162697
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.0	37.6
229	22.3	16.2	24.4

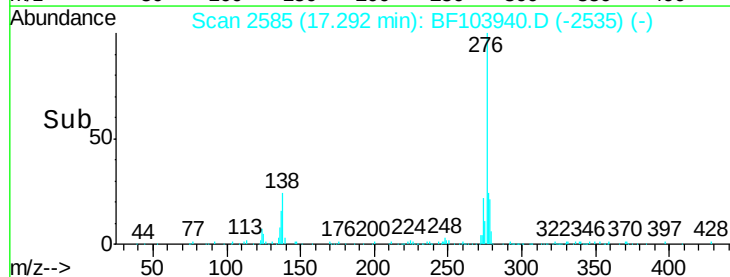
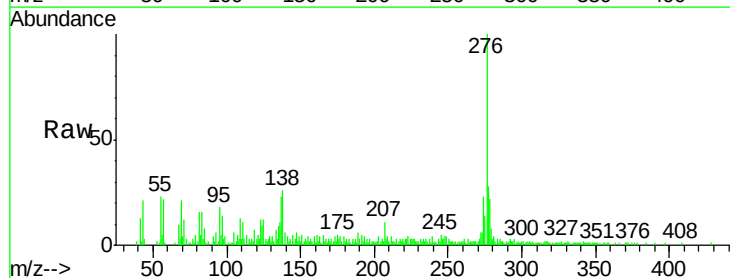
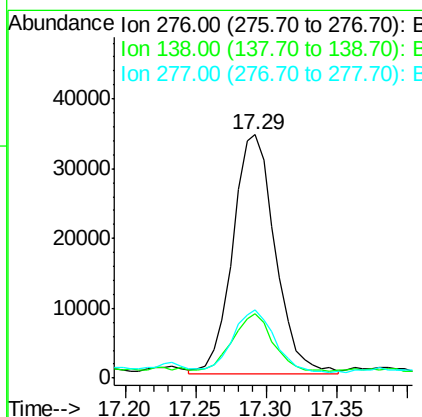
Manual Integrations
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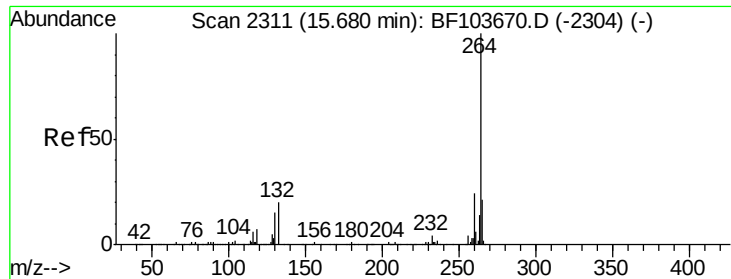
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.902 ng
RT: 17.29 min Scan# 2585
Delta R.T. -0.01 min
Lab File: BF103940.D
Acq: 26 Mar 2018 22:07

Tgt Ion:	276	Resp:	71891
Ion Ratio	Lower	Upper	
276	100		
138	22.8	25.0	37.6#
277	25.6	20.1	30.1





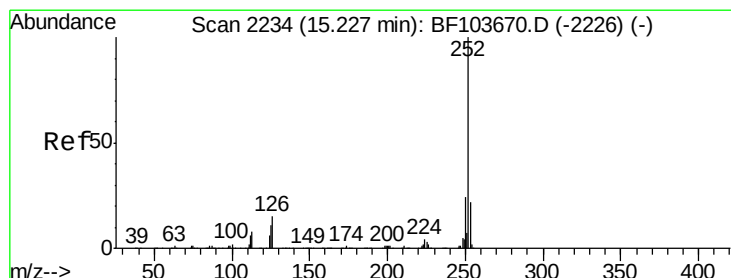
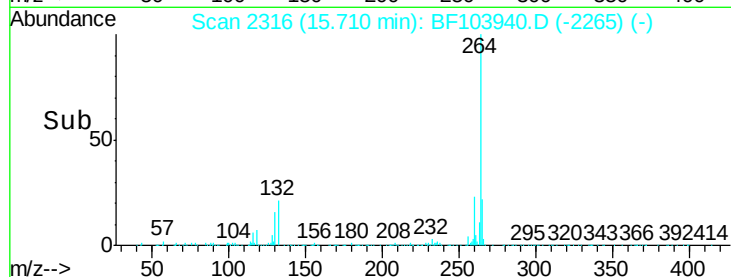
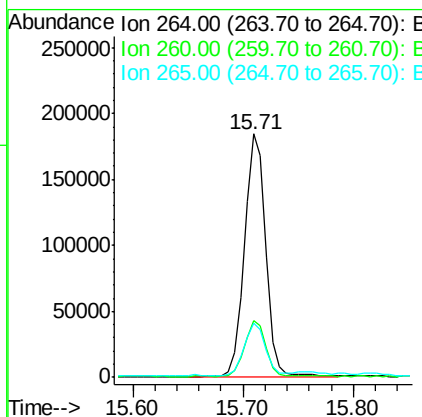
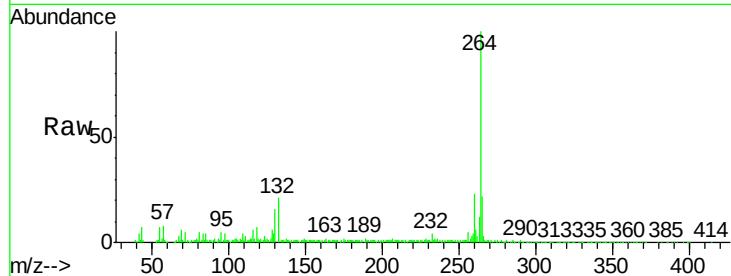
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2316
Delta R.T. 0.00 min
Lab File: BF103940.D
Acq: 26 Mar 2018 22:07

Instrument :
BNA_F
ClientSampleId :
SU-04-032318-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	22.4	17.5	26.3

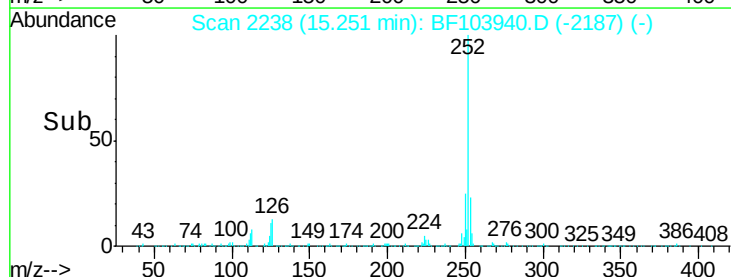
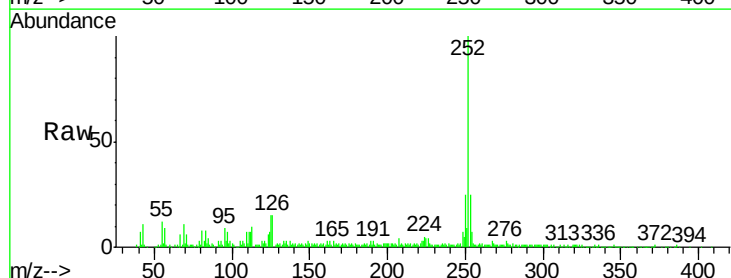
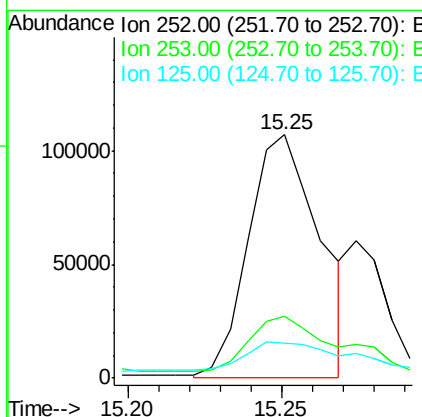
Manual Integrations
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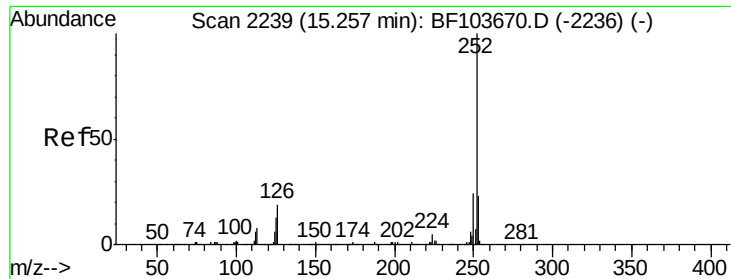
Sohil
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#87
Benzo(b)fluoranthene
Concen: 11.069 ng m
RT: 15.25 min Scan# 2238
Delta R.T. 0.00 min
Lab File: BF103940.D
Acq: 26 Mar 2018 22:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.0	25.6
125	14.6	9.0	13.6#





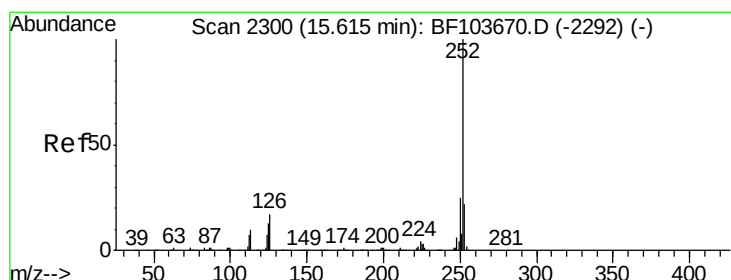
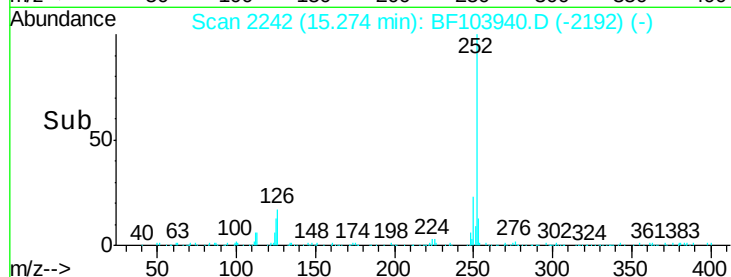
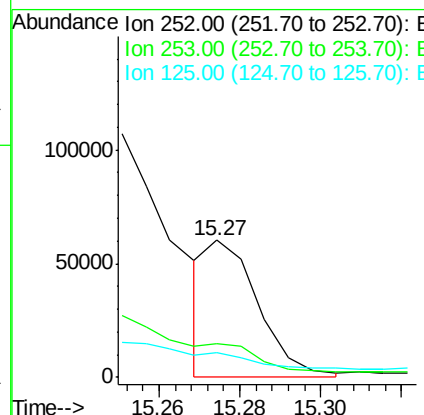
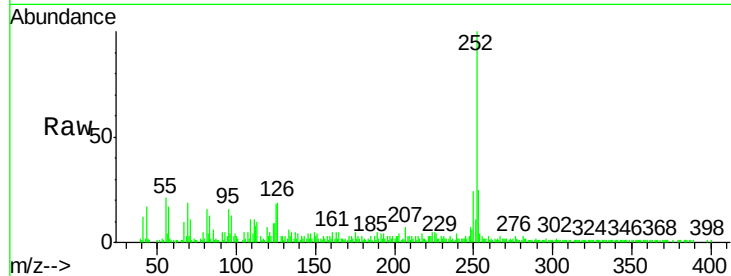
#88
Benzo(k)fluoranthene
Concen: 3.543 ng m
RT: 15.27 min Scan# 2242
Delta R.T. -0.01 min
Lab File: BF103940.D
Acq: 26 Mar 2018 22:07

Instrument :
BNA_F
ClientSampleId :
SU-04-032318-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	18.0	10.2	15.2

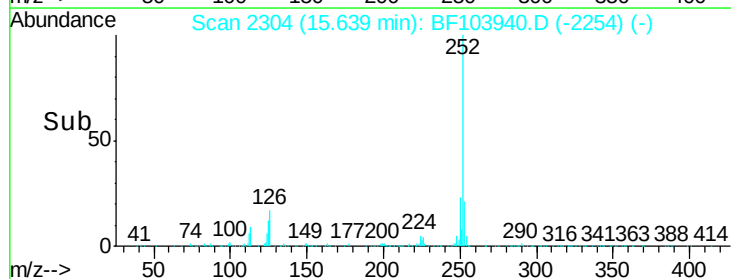
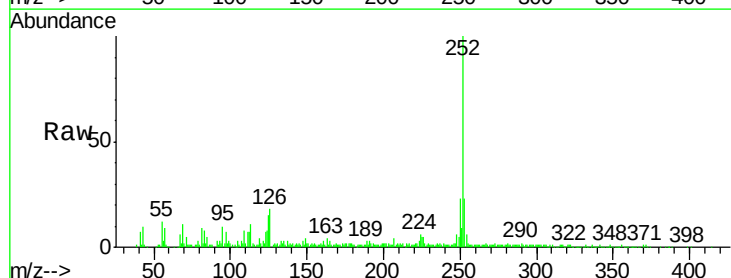
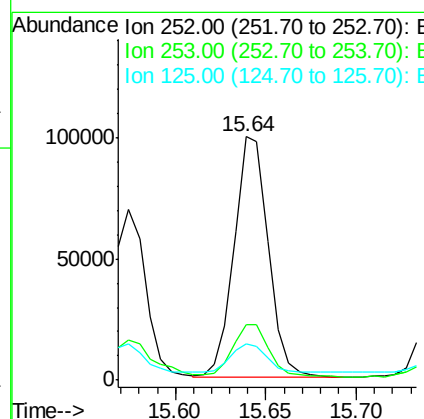
Manual Integrations
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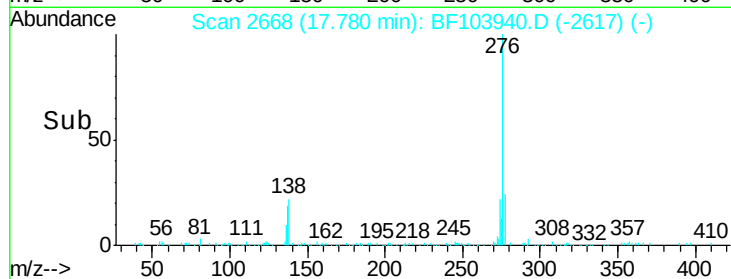
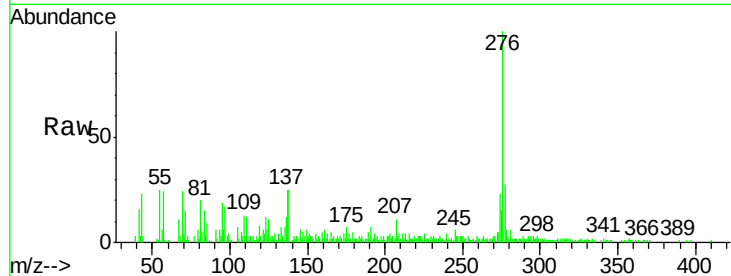
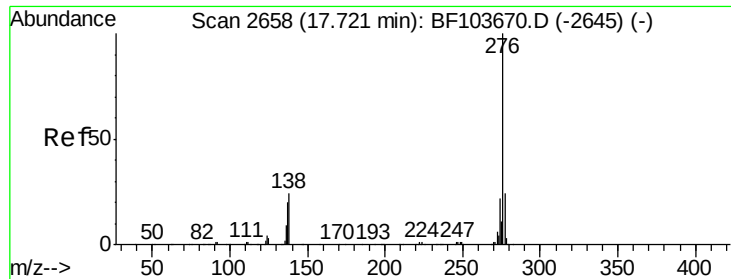
Sohil
3/27/2018 2:15:46 PM



#89
Benzo(a)pyrene
Concen: 9.201 ng
RT: 15.64 min Scan# 2304
Delta R.T. -0.01 min
Lab File: BF103940.D
Acq: 26 Mar 2018 22:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	15.0	9.8	14.6





#91
Benzo(a,h,i)perylene
Concen: 6.019 ng
RT: 17.78 min Scan# 2668
Delta R.T. 0.00 min
Lab File: BF103940.D
Acq: 26 Mar 2018 22:07

Instrument :
BNA_F
ClientSampleId :
SU-04-032318-B

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.0	17.9	26.9#
138	25.2	21.8	32.8

Manual Integrations
APPROVED

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3/27/2018 2:15:46 PM

