

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032618\
 Data File : BF103946.D
 Acq On : 27 Mar 2018 00:43
 Operator : JU/SJ
 Sample : J2009-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-2

Manual Integrations
 APPROVED

Sohil
 3/27/2018 2:15:57 PM

Quant Time: Mar 27 08:37:04 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	144809	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	573848	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	252689	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	401681	20.00	ng	0.00
75) Chrysene-d12	14.17	240	266328	20.00	ng	0.00
86) Perylene-d12	15.72	264	248958	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1116055	117.22	ng	0.01
7) Phenol-d6	6.60	99	1372155	117.80	ng	0.00
23) Nitrobenzene-d5	7.54	82	865691	105.20	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	316281	145.57	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1332704	84.13	ng	0.00
78) Terphenyl-d14	13.10	244	1037162	90.39	ng	0.00
Target Compounds						
10) Phenol	6.62	94	36909	2.982	ng	89
48) Acenaphthylene	9.87	152	53139	2.048	ng	98
49) Dimethylphthalate	9.72	163	132928	6.895	ng	99
51) Acenaphthene	10.05	154	111989	7.268	ng	98
54) Dibenzofuran	10.22	168	55085	2.503	ng	98
57) Fluorene	10.56	166	113539	6.648	ng	97
70) Phenanthrene	11.54	178	1012140	46.063	ng	99
71) Anthracene	11.59	178	281588	12.618	ng	98
72) Carbazole	11.74	167	114596	5.283	ng	99
74) Fluoranthene	12.73	202	1083914	47.882	ng	100
77) Pyrene	12.97	202	979727	50.091	ng	99
80) Benzo(a)anthracene	14.16	228	539277	31.988	ng	97
82) Chrysene	14.19	228	475839	29.610	ng	97
85) Indeno(1,2,3-cd)pyrene	17.30	276	182881	13.031	ng	# 93
87) Benzo(b)fluoranthene	15.26	252	510615m	32.464	ng	
88) Benzo(k)fluoranthene	15.28	252	167244m	11.062	ng	
89) Benzo(a)pyrene	15.65	252	356688	25.003	ng	97
90) Dibenzo(a,h)anthracene	17.31	278	61041m	4.941	ng	
91) Benzo(a,h,i)perylene	17.79	276	164430	13.683	ng	97

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

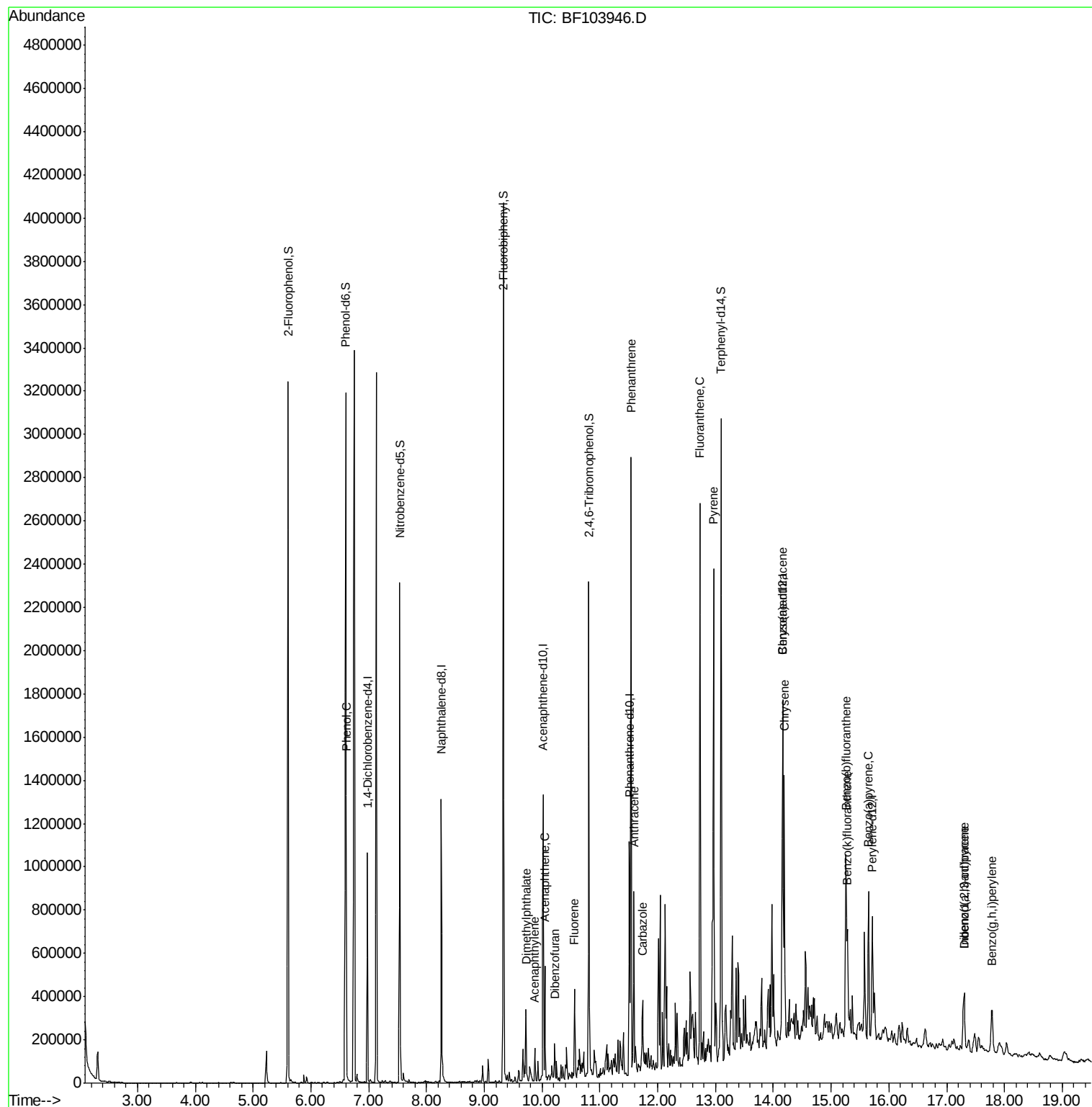
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032618\
Data File : BF103946.D
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ALS Vial : 19 Sample Multiplier: 1

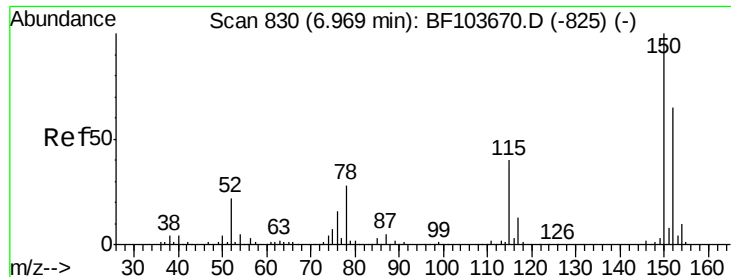
Instrument :
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ClientSampleId :
S-2

Manual Integrations
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

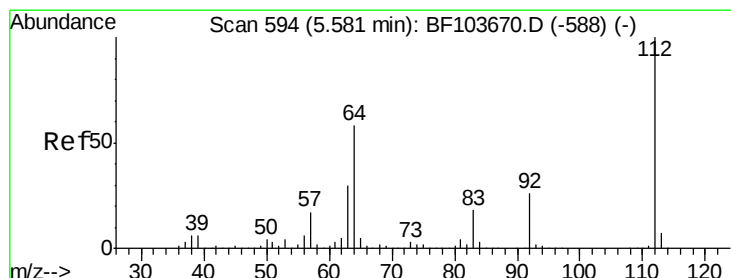
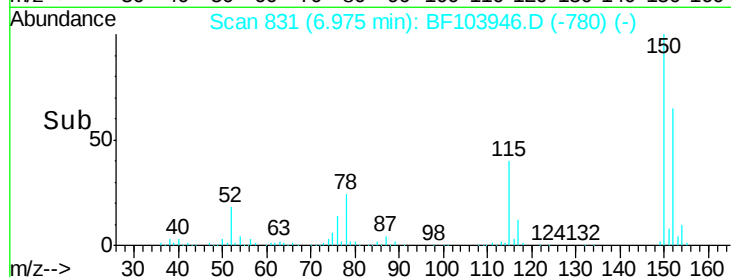
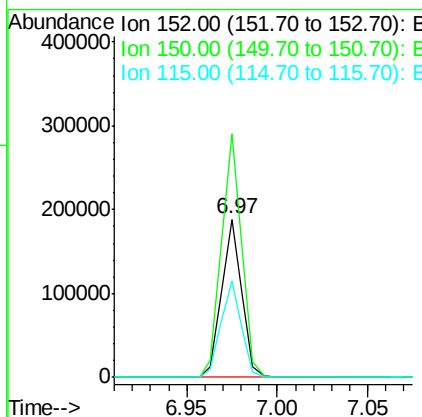
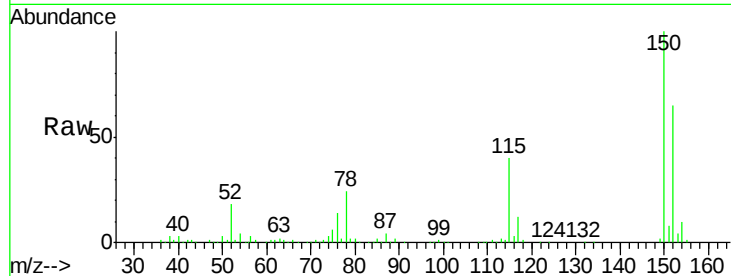
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF103946.D
Acq: 27 Mar 2018 00:43

Instrument :
BNA_F
ClientSampled :
S-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	124.6	186.8
115	60.8	50.1	75.1

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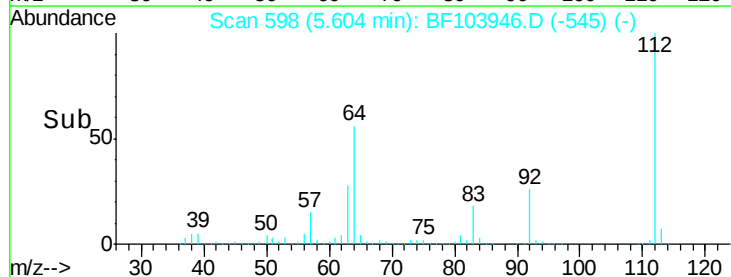
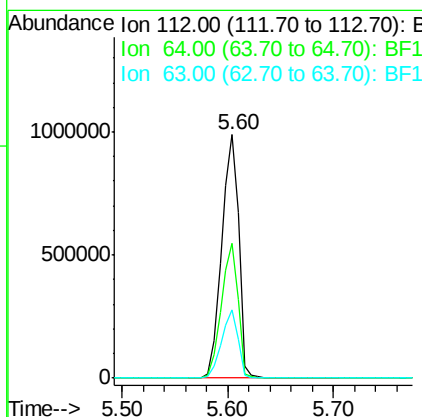
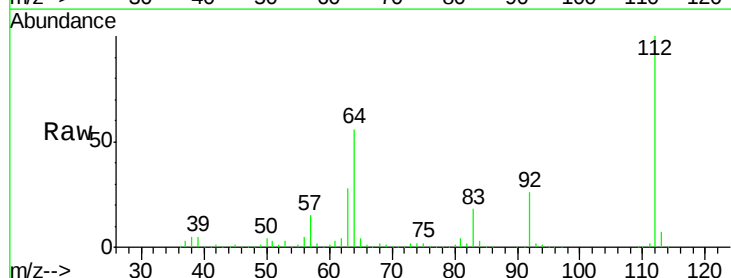
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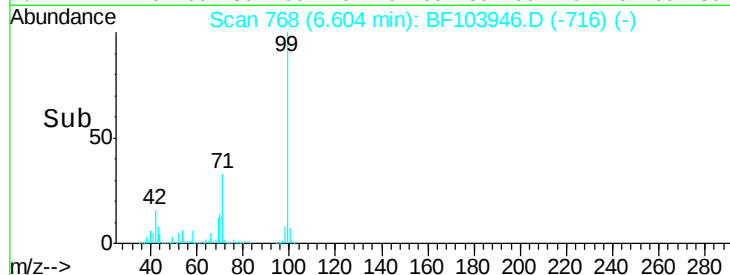
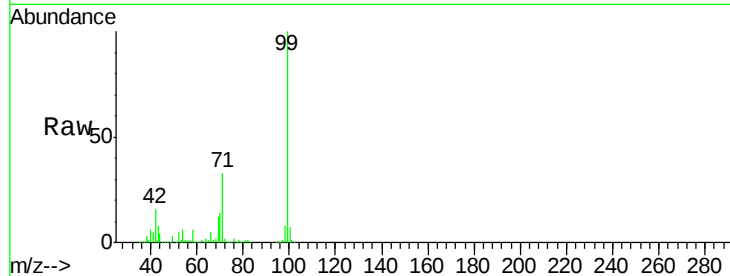


#5

2-Fluorophenol
Concen: 117.224 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.01 min
Lab File: BF103946.D
Acq: 27 Mar 2018 00:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	47.9	71.9
63	28.2	23.7	35.5





#7

Phenol-d6

Concen: 117.803 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.01 min

Lab File: BF103946.D

Acq: 27 Mar 2018 00:43

Tot Ion: 99 Resp: 1372155

Ion Ratio Lower Upper

99 100

42 15.5 14.5 21.7

71 32.7 25.4 38.0

Instrument :

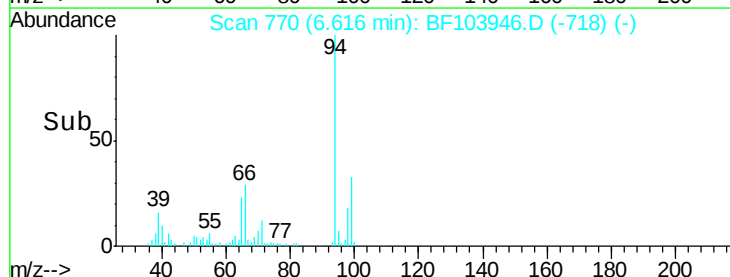
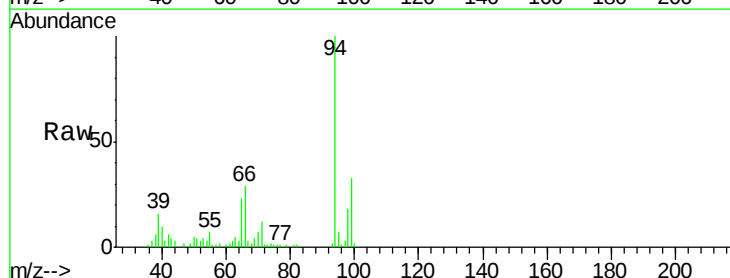
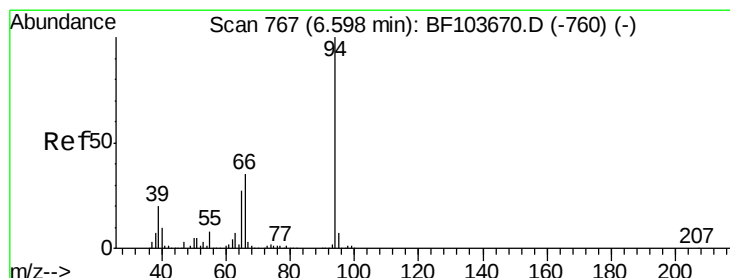
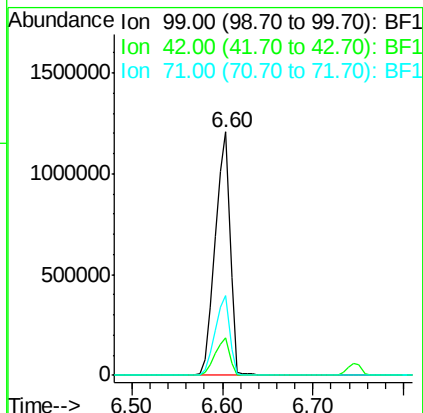
BNA_F

ClientSampled :

S-2

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#10

Phenol

Concen: 2.982 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.01 min

Lab File: BF103946.D

Acq: 27 Mar 2018 00:43

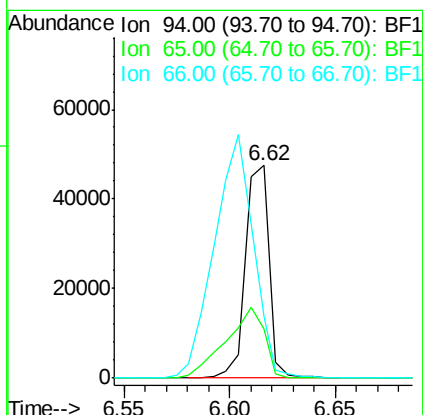
Tgt Ion: 94 Resp: 36909

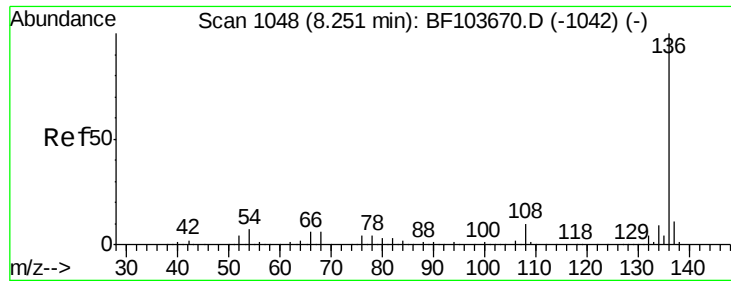
Ion Ratio Lower Upper

94 100

65 22.8 7.9 47.9

66 29.1 16.2 56.2





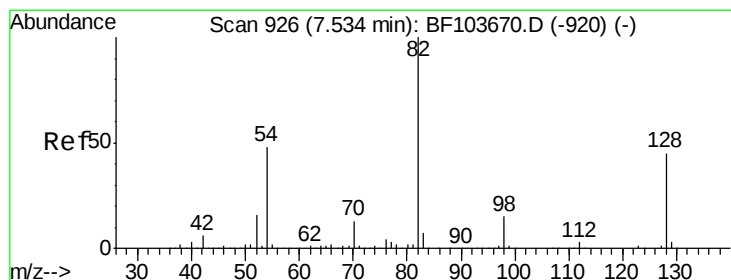
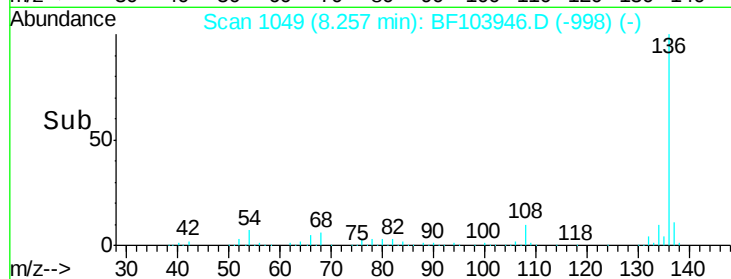
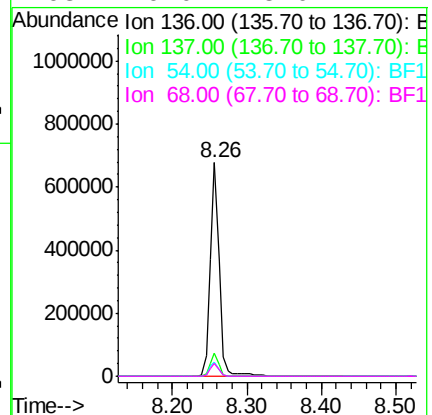
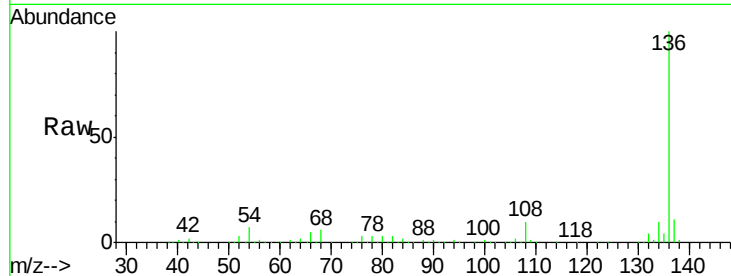
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.00 min
Lab File: BF103946.D
Acq: 27 Mar 2018 00:43

Instrument :
BNA_F
ClientSampled :
S-2

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.7	6.6	9.8
68	6.0	5.0	7.4

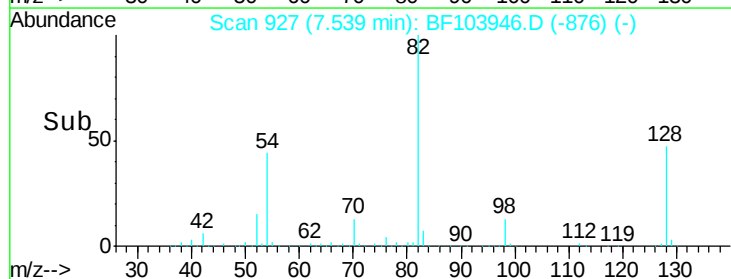
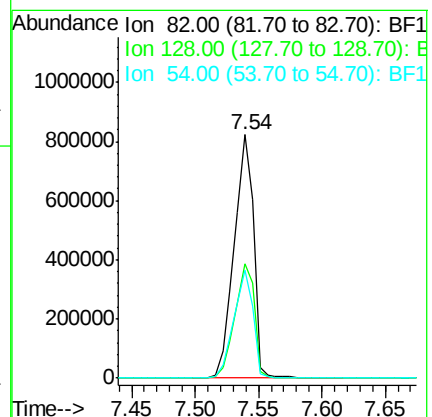
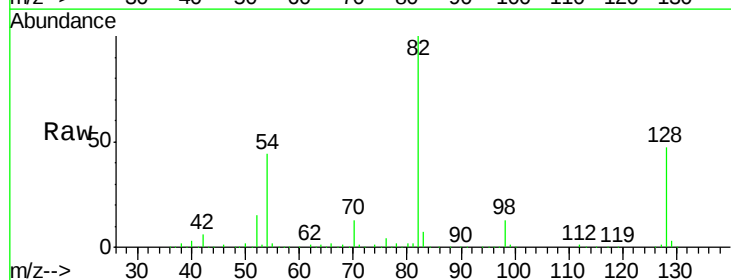
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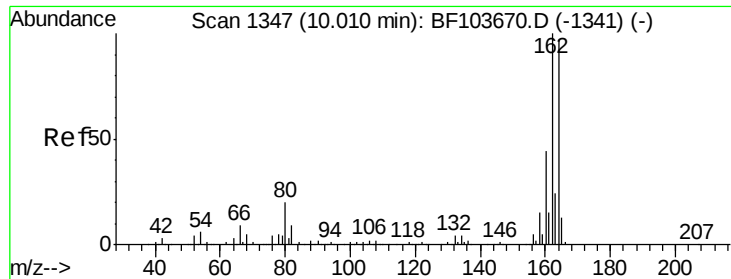
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#23
Nitrobenzene-d5
Concen: 105.202 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.00 min
Lab File: BF103946.D
Acq: 27 Mar 2018 00:43

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.1	54.1
54	44.2	41.4	62.2





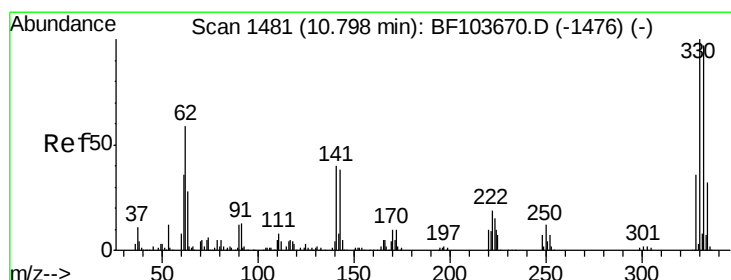
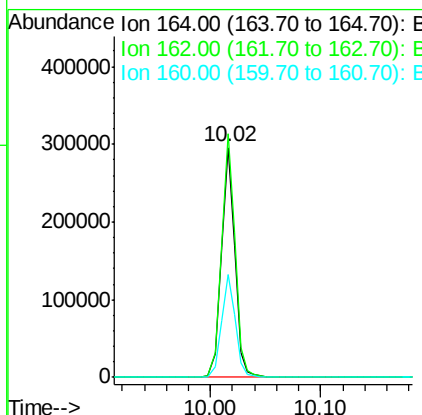
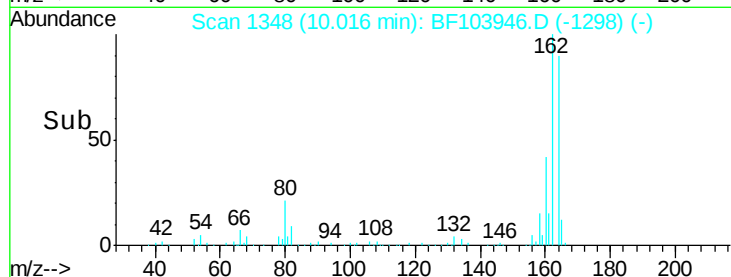
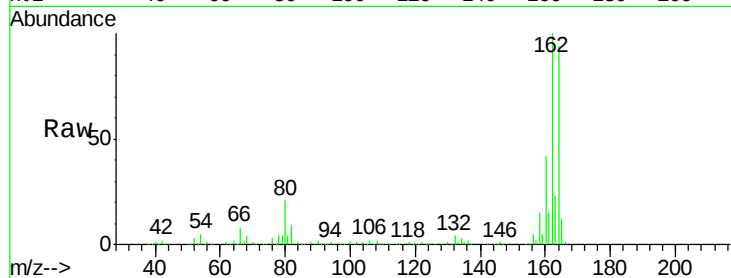
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF103946.D
Acq: 27 Mar 2018 00:43

Instrument :
BNA_F
ClientSampleId :
S-2

Tot Ion	Ratio	Lower	Upper
164	100		
162	106.0	86.1	129.1
160	44.7	38.3	57.5

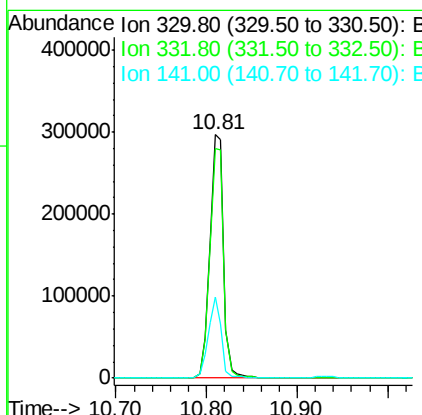
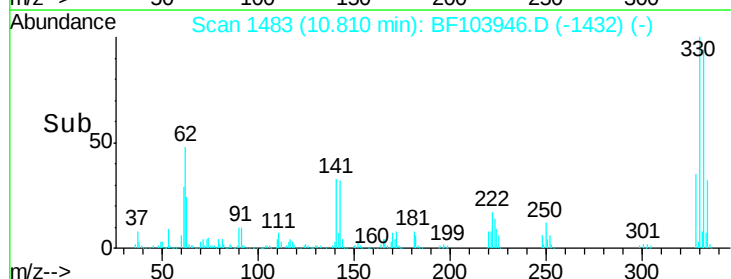
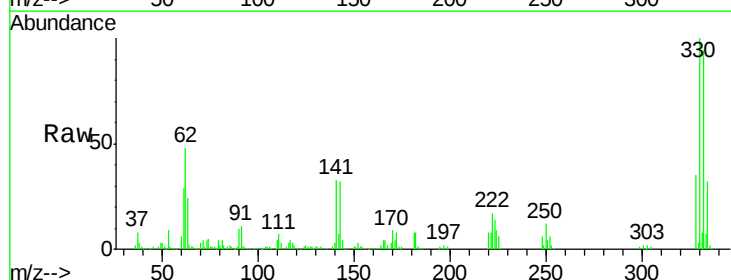
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#41
2,4,6-Tribromophenol
Concen: 145.575 ng
RT: 10.81 min Scan# 1483
Delta R.T. -0.00 min
Lab File: BF103946.D
Acq: 27 Mar 2018 00:43

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	32.4	29.9	44.9





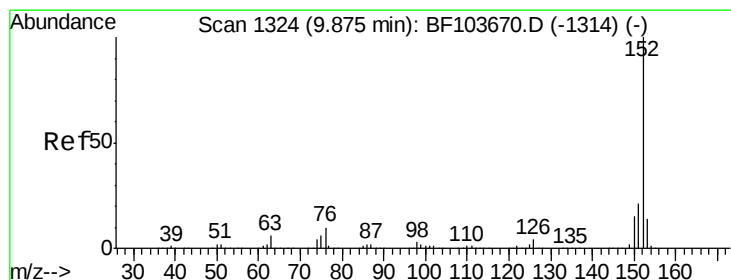
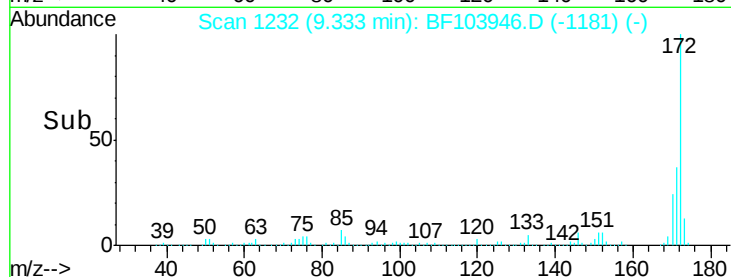
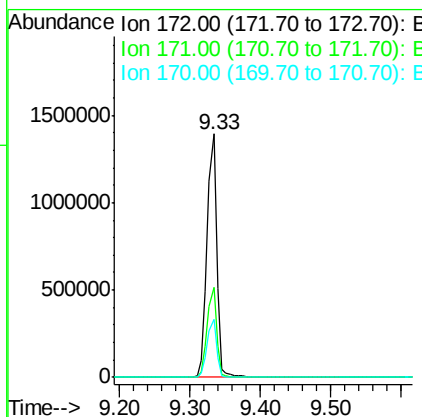
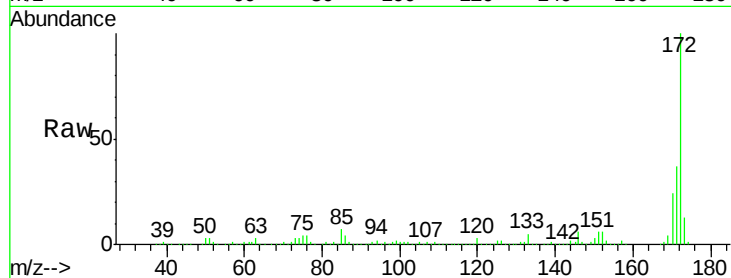
#44
2-Fluorobiphenyl
Concen: 84.130 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.00 min
Lab File: BF103946.D
Acq: 27 Mar 2018 00:43

Instrument :
BNA_F
ClientSampleId :
S-2

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.7	44.5
170	23.8	19.6	29.4

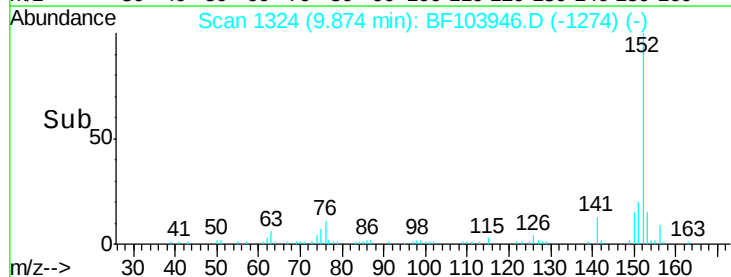
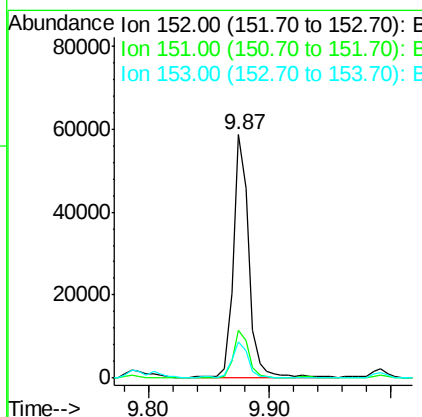
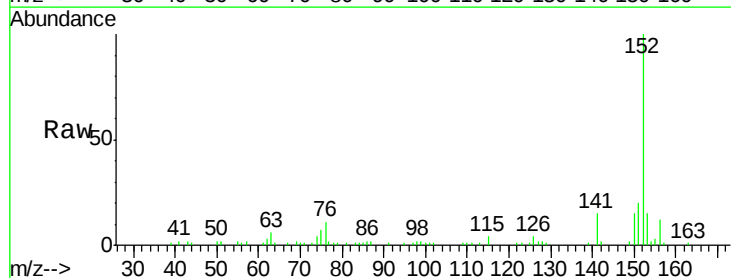
Manual Integrations
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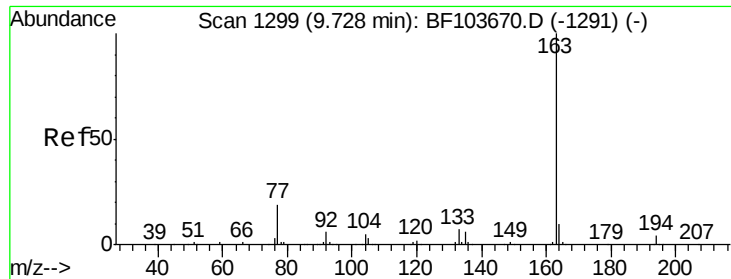
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#48
Acenaphthylene
Concen: 2.048 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF103946.D
Acq: 27 Mar 2018 00:43

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.3	24.5
153	14.7	10.7	16.1





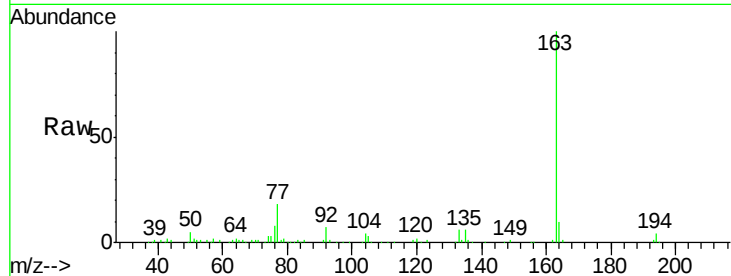
#49
Dimethylphthalate
Concen: 6.895 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF103946.D
Acq: 27 Mar 2018 00:43

Instrument :
BNA_F
ClientSampleId :
S-2

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.7	4.1
164	9.7	8.2	12.2

Manual Integrations
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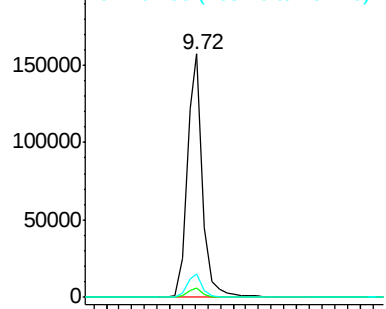


Abundance

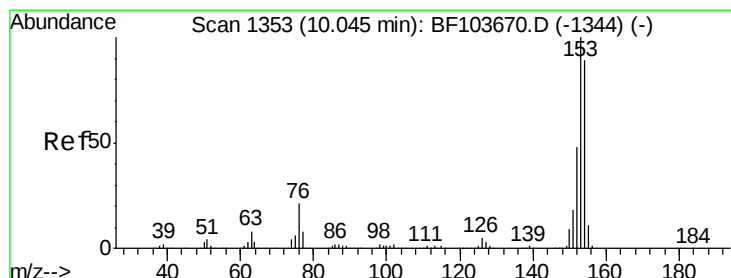
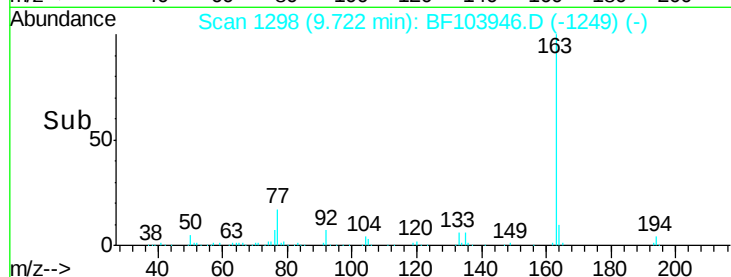
Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

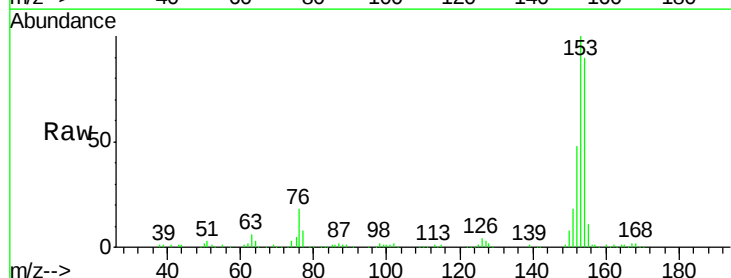


Time-->



#51
Acenaphthene
Concen: 7.268 ng
RT: 10.05 min Scan# 1354
Delta R.T. -0.01 min
Lab File: BF103946.D
Acq: 27 Mar 2018 00:43

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.7	91.2	136.8
152	53.4	43.8	65.8

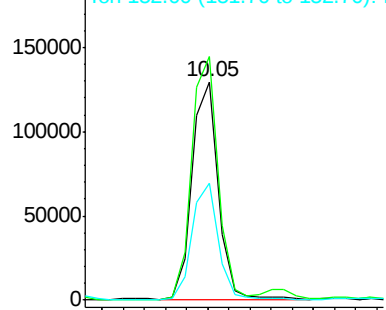


Abundance

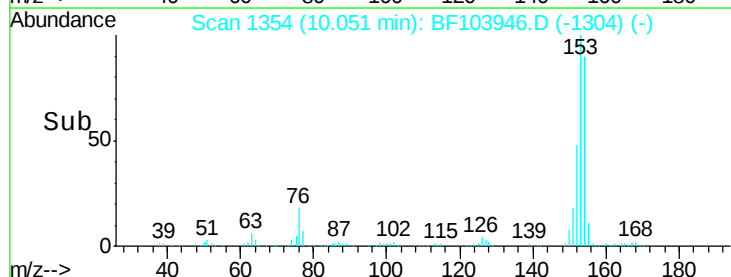
Ion 154.00 (153.70 to 154.70): E

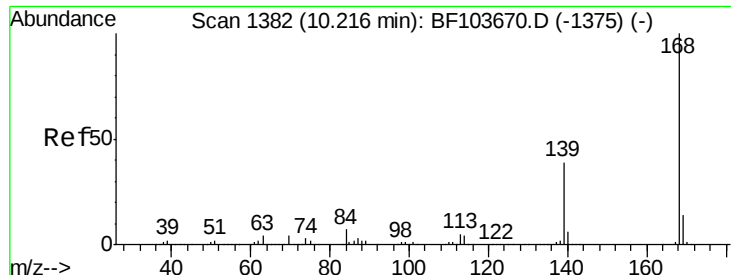
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



Time-->





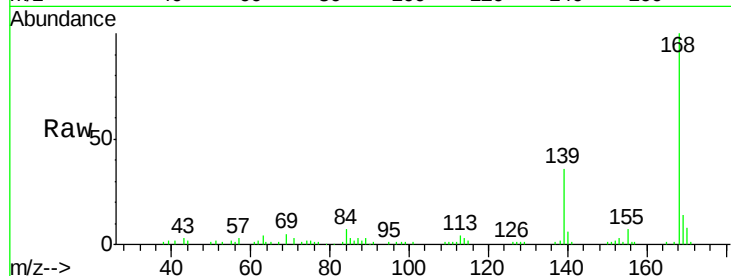
#54
Dibenzenofuran
Concen: 2.503 ng
RT: 10.22 min Scan# 1383
Delta R.T. -0.01 min
Lab File: BF103946.D
Acq: 27 Mar 2018 00:43

Instrument :
BNA_F
ClientSampled :
S-2

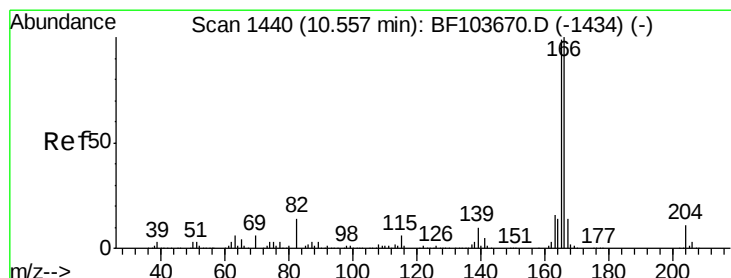
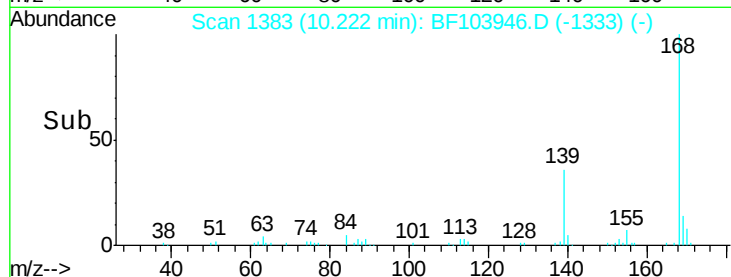
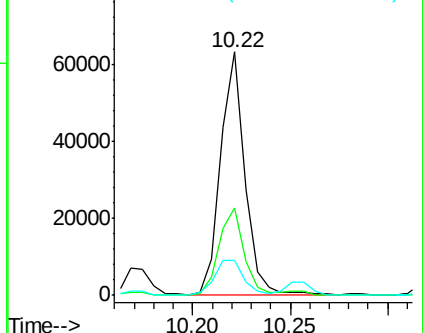
Tot Ion	Ratio	Lower	Upper
168	100		
139	35.9	30.1	45.1
169	14.2	10.9	16.3

Manual Integrations
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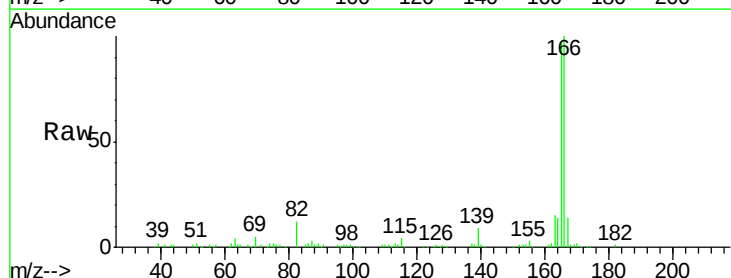


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

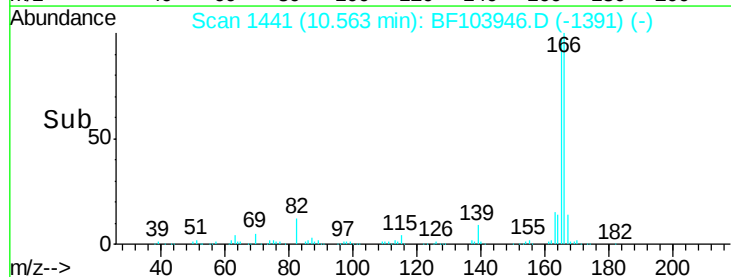
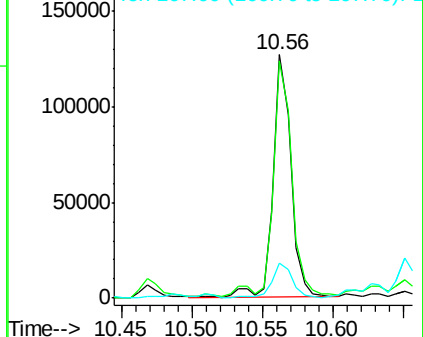


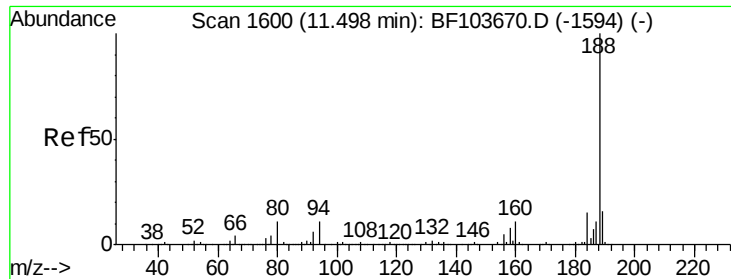
#57
Fluorene
Concen: 6.648 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF103946.D
Acq: 27 Mar 2018 00:43

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.3	79.8	119.8
167	14.4	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





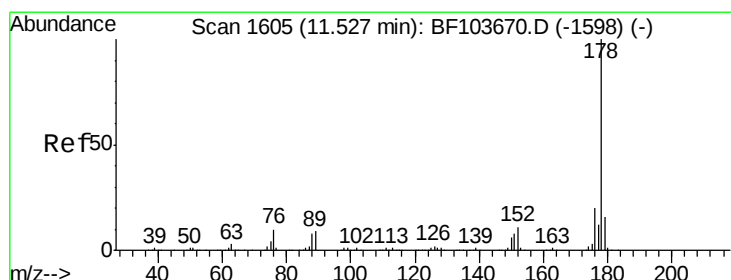
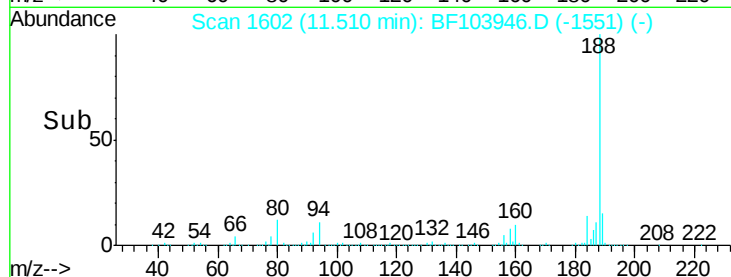
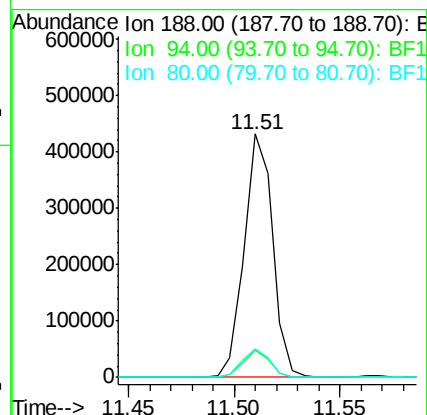
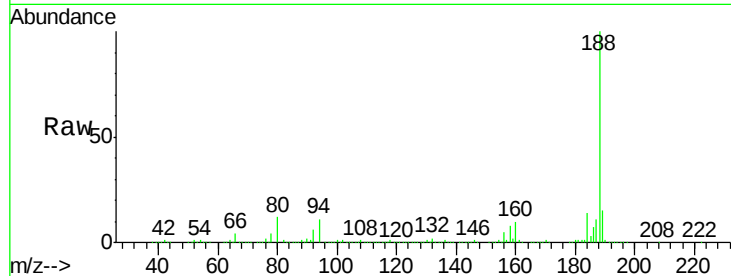
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.00 min
Lab File: BF103946.D
Acq: 27 Mar 2018 00:43

Instrument :
BNA_F
ClientSampled :
S-2

Tot Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.5	12.7
80	11.8	9.2	13.8

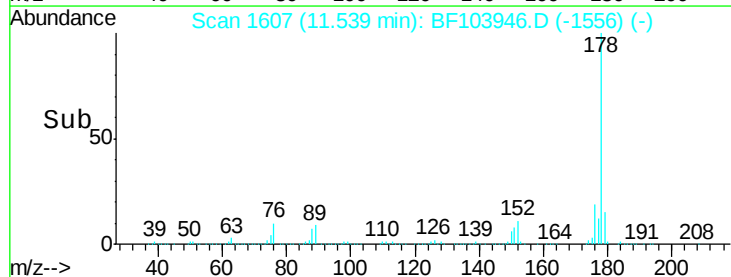
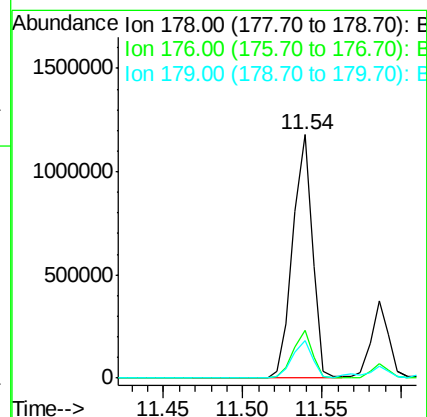
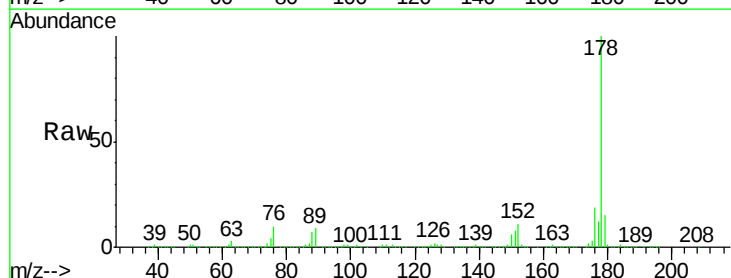
Manual Integrations
APPROVED

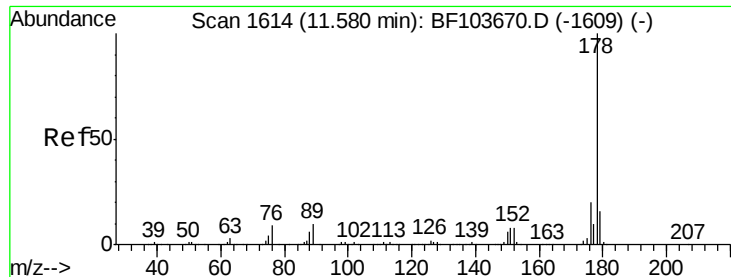
Sohil
3/27/2018 2:15:57 PM



#70
Phenanthrene
Concen: 46.063 ng
RT: 11.54 min Scan# 1607
Delta R.T. -0.00 min
Lab File: BF103946.D
Acq: 27 Mar 2018 00:43

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





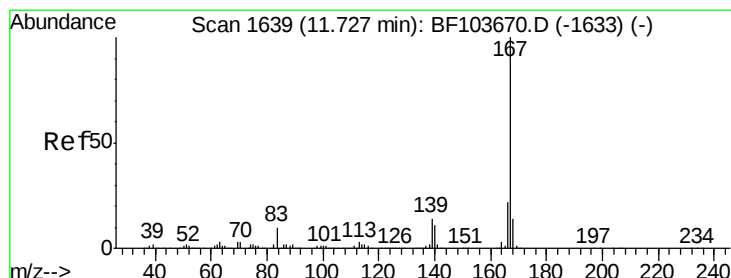
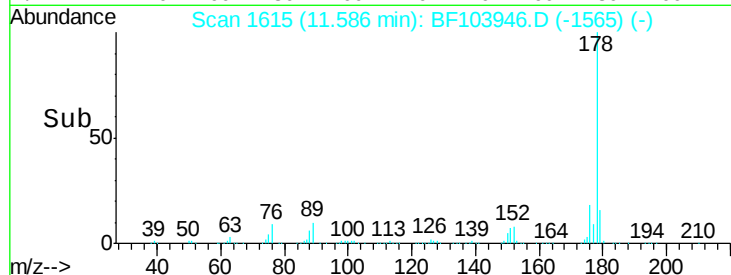
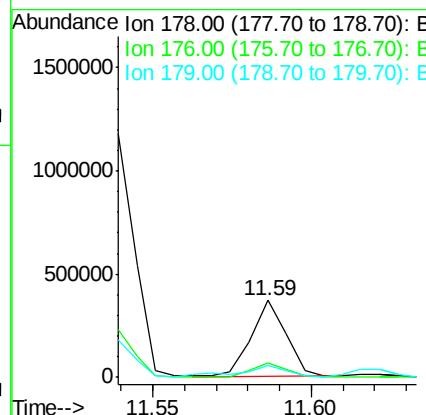
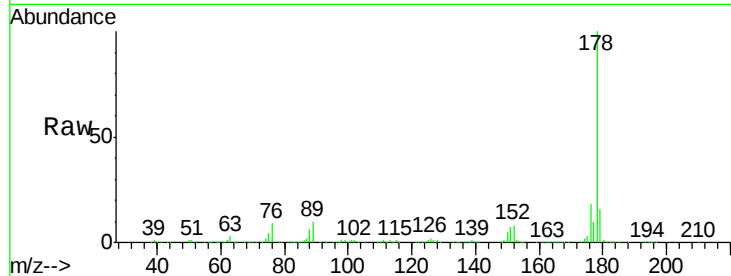
#71
 Anthracene
 Concen: 12.618 ng
 RT: 11.59 min Scan# 1615
 Delta R.T. -0.01 min
 Lab File: BF103946.D
 Acq: 27 Mar 2018 00:43

Instrument :
 BNA_F
 ClientSampleId :
 S-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	15.7	12.6	19.0

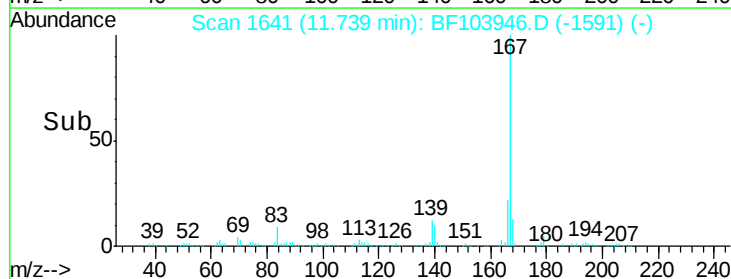
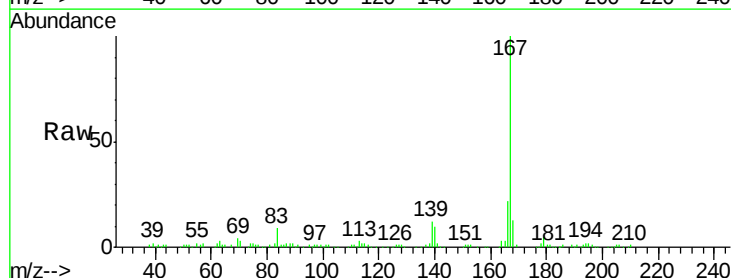
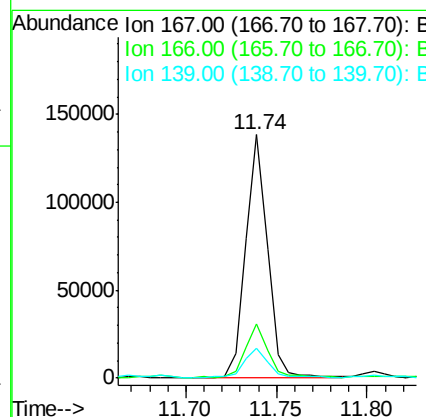
Manual Integrations
 APPROVED

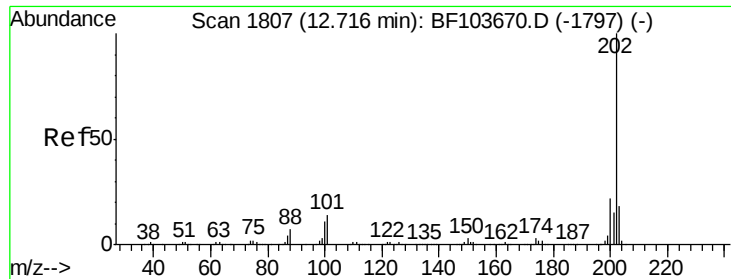
Sohil
 3/27/2018 2:15:57 PM



#72
 Carbazole
 Concen: 5.283 ng
 RT: 11.74 min Scan# 1641
 Delta R.T. -0.01 min
 Lab File: BF103946.D
 Acq: 27 Mar 2018 00:43

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.6	26.4
139	12.4	10.9	16.3





#74

Fluoranthene

Concen: 47.882 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.00 min

Lab File: BF103946.D

Acq: 27 Mar 2018 00:43

Instrument :

BNA_F

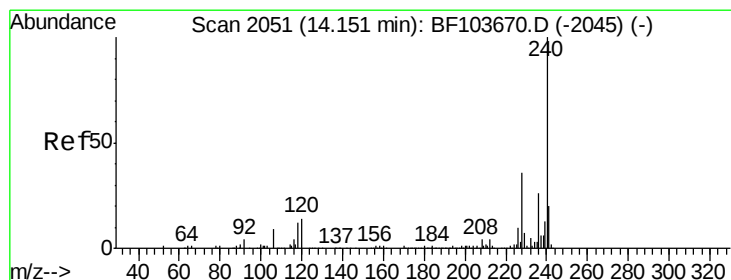
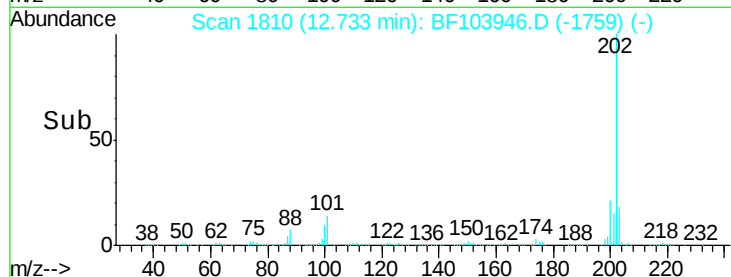
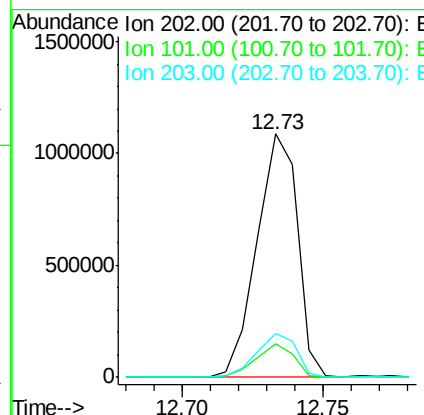
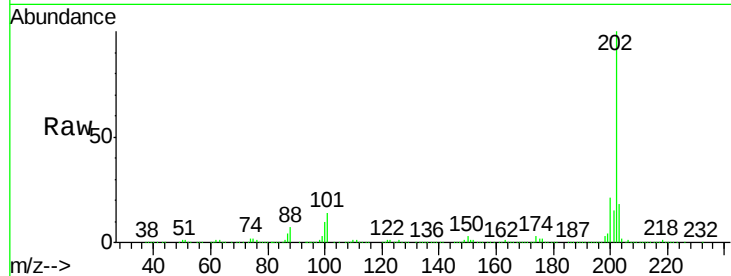
ClientSampled :

S-2

Tot Ion:	202	Resp:	1083914
Ion Ratio	Lower	Upper	
202	100		
101	13.9	0.0	34.1
203	18.2	0.0	38.1

Manual Integrations
APPROVED

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#75

Chrysene-d12

Concen: 20.000 ng

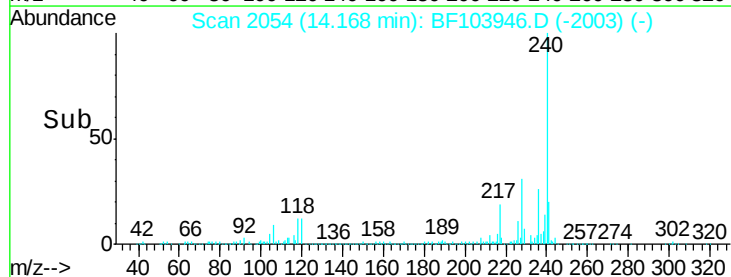
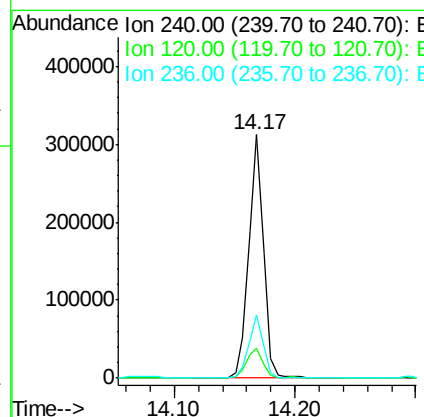
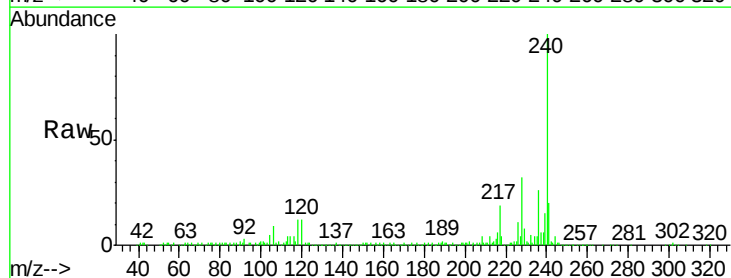
RT: 14.17 min Scan# 2054

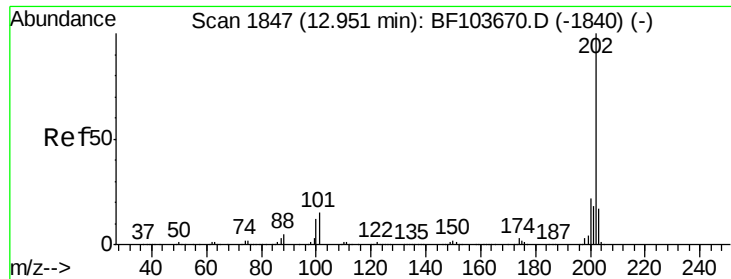
Delta R.T. -0.00 min

Lab File: BF103946.D

Acq: 27 Mar 2018 00:43

Tgt Ion:	240	Resp:	266328
Ion Ratio	Lower	Upper	
240	100		
120	12.4	9.5	14.3
236	25.9	20.7	31.1





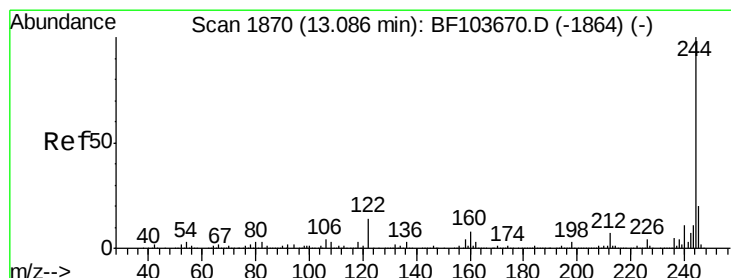
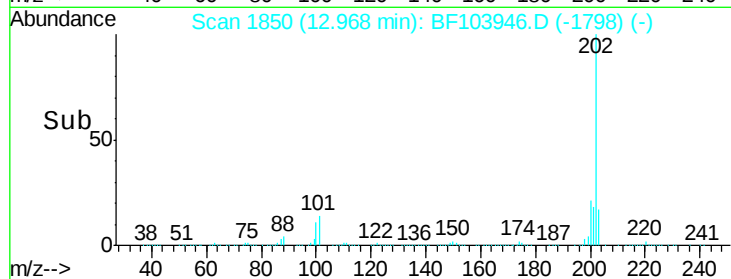
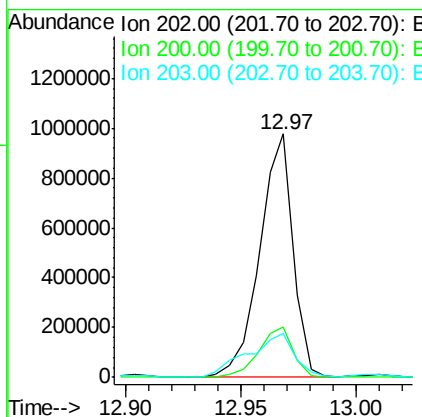
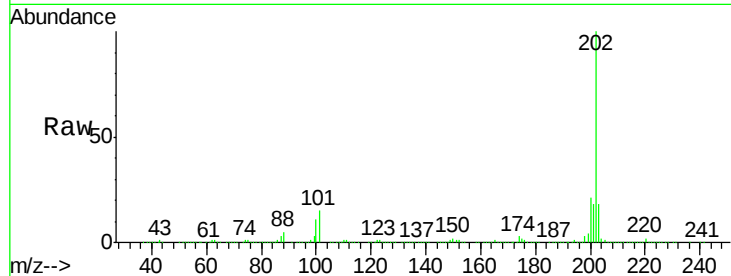
#77
Pvrene
Concen: 50.091 ng
RT: 12.97 min Scan# 1850
Delta R.T. 0.01 min
Lab File: BF103946.D
Acq: 27 Mar 2018 00:43

Instrument :
BNA_F
ClientSampled :
S-2

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	17.8	14.3	21.5

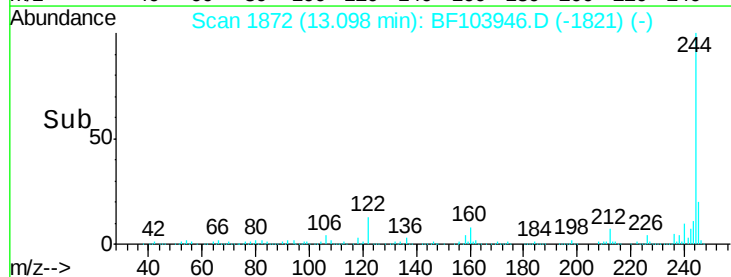
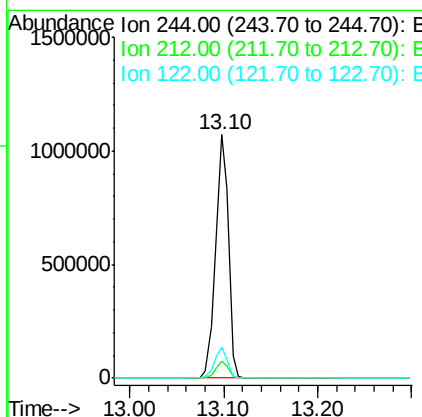
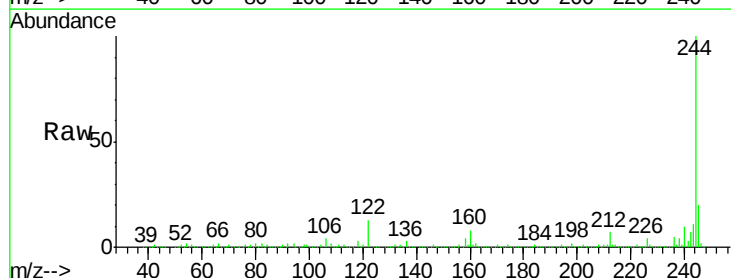
Manual Integrations
APPROVED

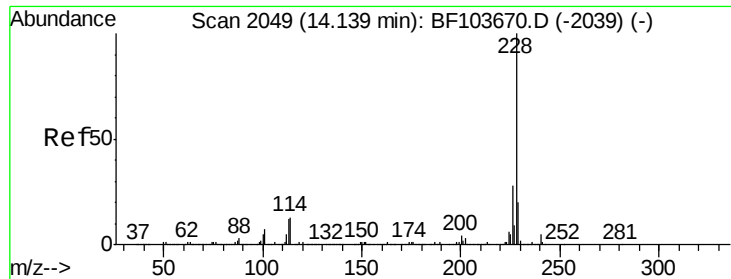
Sohil
3/27/2018 2:15:57 PM



#78
Terphenyl-d14
Concen: 90.392 ng
RT: 13.10 min Scan# 1872
Delta R.T. -0.00 min
Lab File: BF103946.D
Acq: 27 Mar 2018 00:43

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	12.9	11.0	16.4





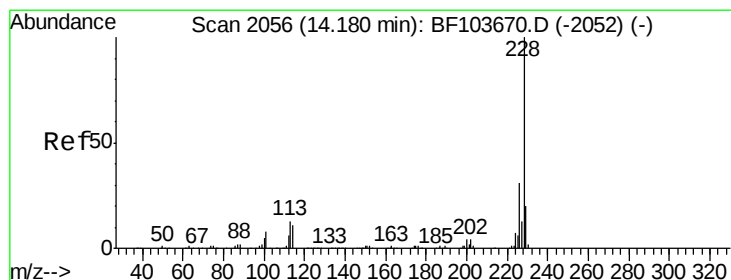
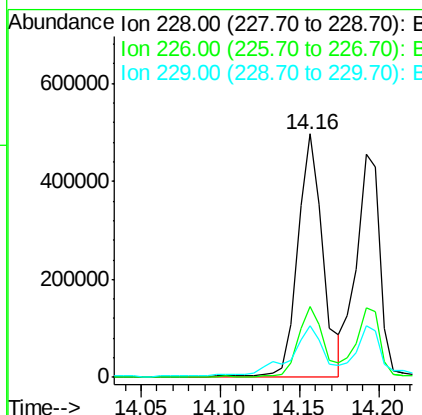
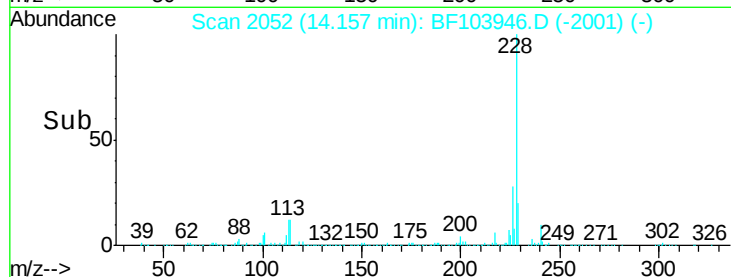
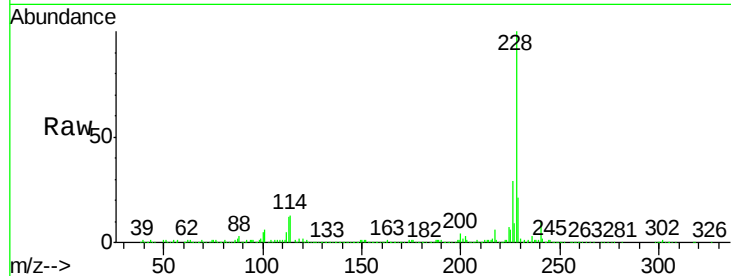
#80
Benzo(a)anthracene
Concen: 31.988 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.00 min
Lab File: BF103946.D
Acq: 27 Mar 2018 00:43

Instrument :
BNA_F
ClientSampleId :
S-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	21.4	15.8	23.6

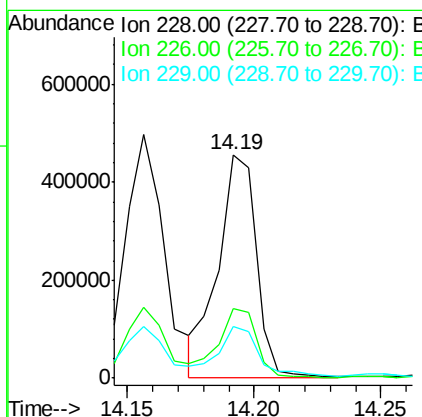
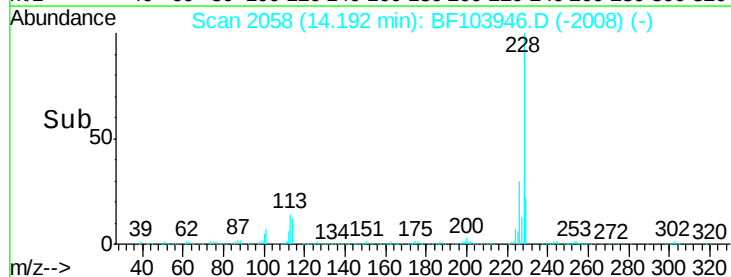
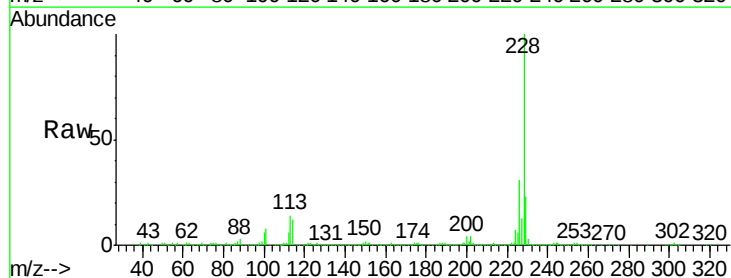
Manual Integrations
APPROVED

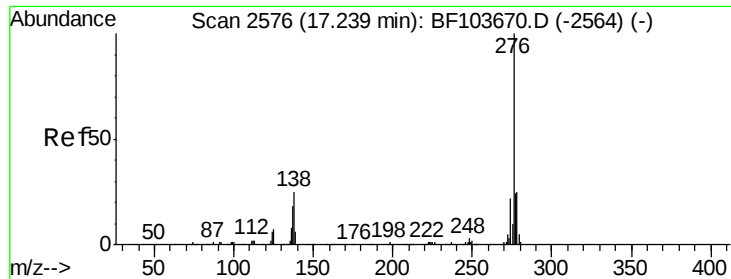
Sohil
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#82
Chrysene
Concen: 29.610 ng
RT: 14.19 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BF103946.D
Acq: 27 Mar 2018 00:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	23.4	16.2	24.4





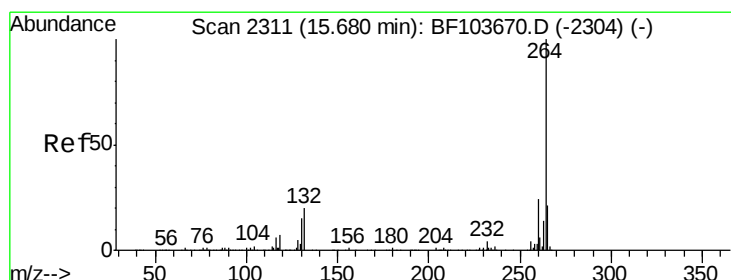
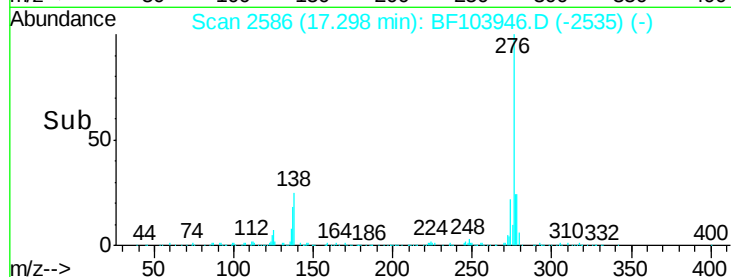
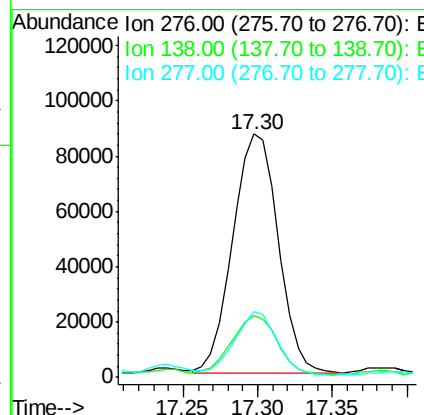
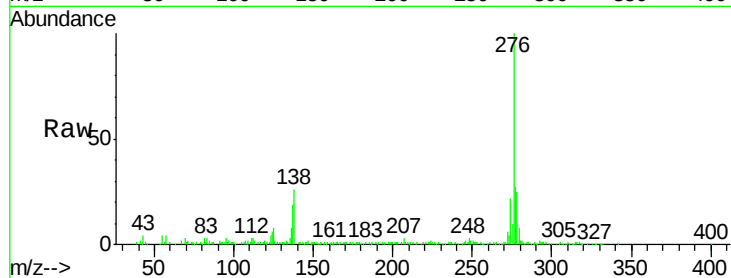
#85
Indeno(1,2,3-cd)pyrene
Concen: 13.031 ng
RT: 17.30 min Scan# 2586
Delta R.T. -0.00 min
Lab File: BF103946.D
Acq: 27 Mar 2018 00:43

Instrument :
BNA_F
ClientSampleId :
S-2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
138	24.7	25.0	37.6		
277	25.0	20.1	30.1		

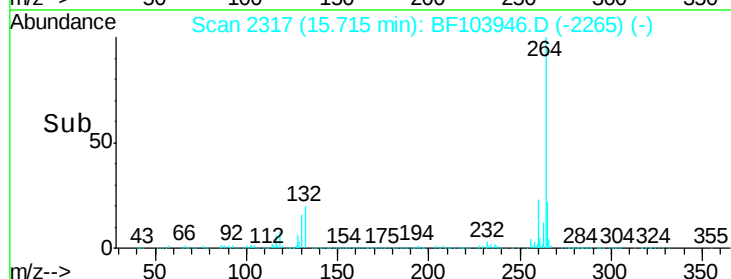
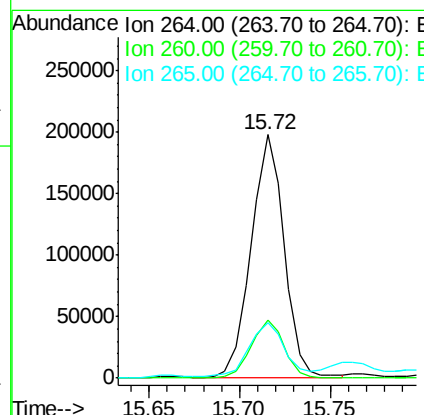
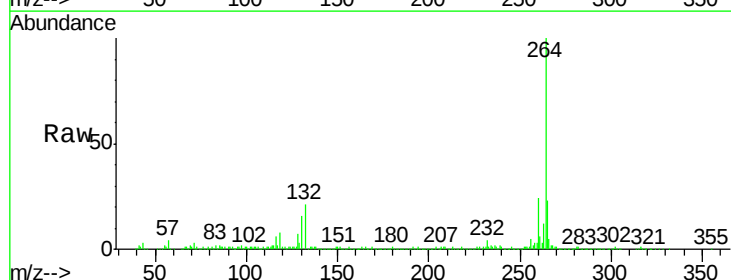
Manual Integrations
APPROVED

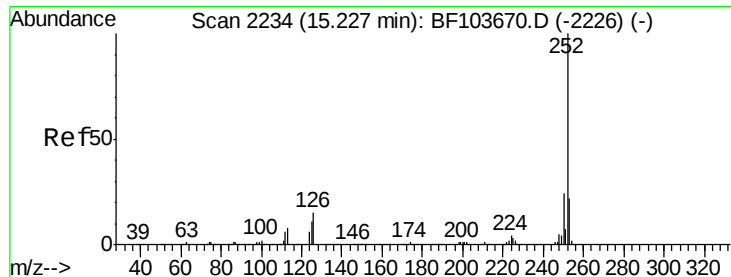
Sohil
3/27/2018 2:15:57 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.72 min Scan# 2317
Delta R.T. 0.01 min
Lab File: BF103946.D
Acq: 27 Mar 2018 00:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	23.7	19.2	28.8		
265	22.7	17.5	26.3		





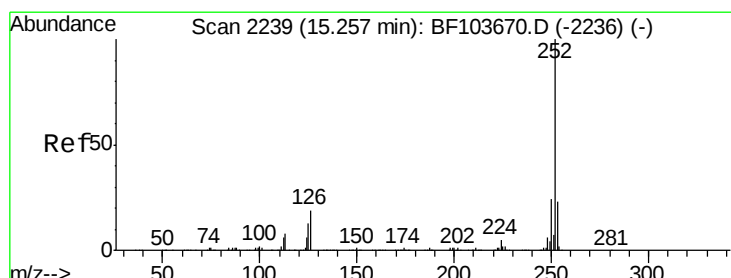
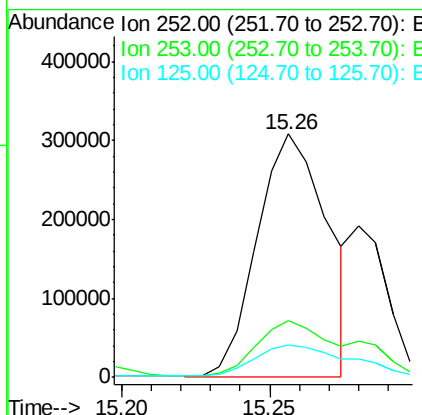
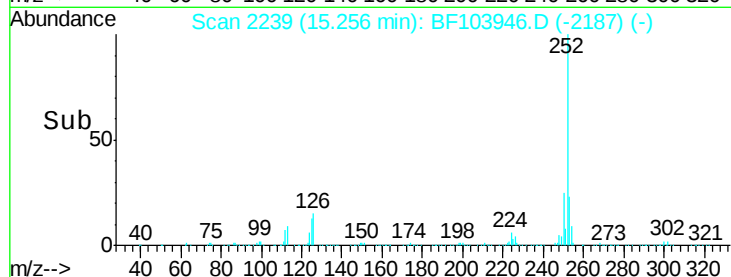
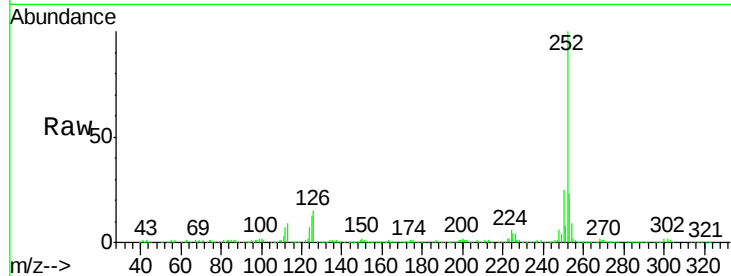
#87
Benzo(b)fluoranthene
Concen: 32.464 ng m
RT: 15.26 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF103946.D
Acq: 27 Mar 2018 00:43

Instrument :
BNA_F
ClientSampled :
S-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	13.4	9.0	13.6

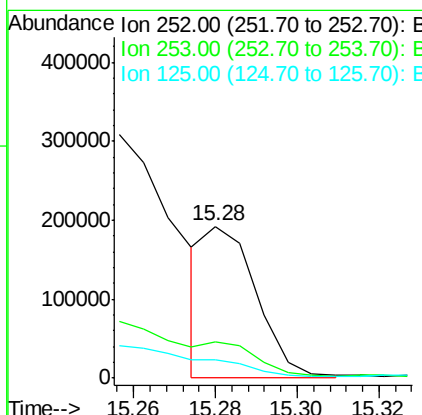
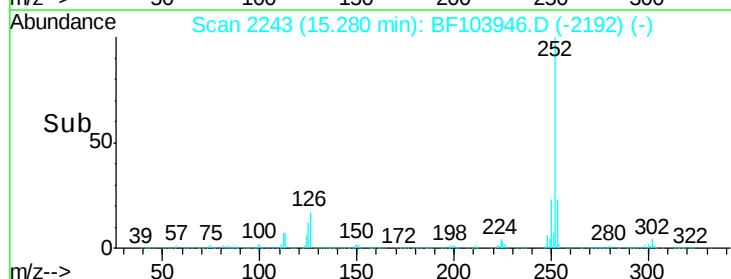
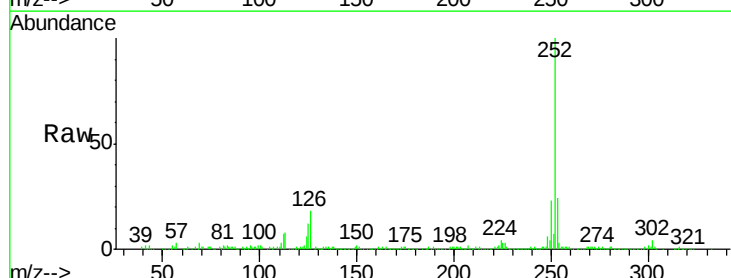
Manual Integrations
APPROVED

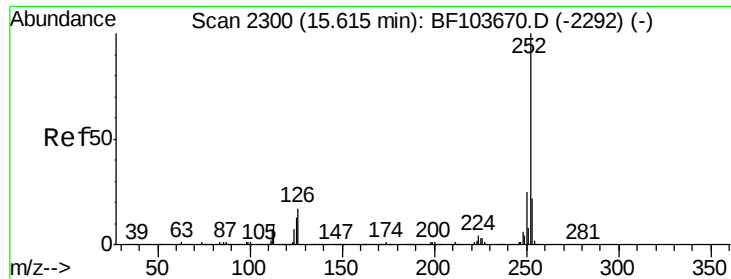
Sohil
3/27/2018 2:15:57 PM



#88
Benzo(k)fluoranthene
Concen: 11.062 ng m
RT: 15.28 min Scan# 2243
Delta R.T. -0.00 min
Lab File: BF103946.D
Acq: 27 Mar 2018 00:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	12.2	10.2	15.2





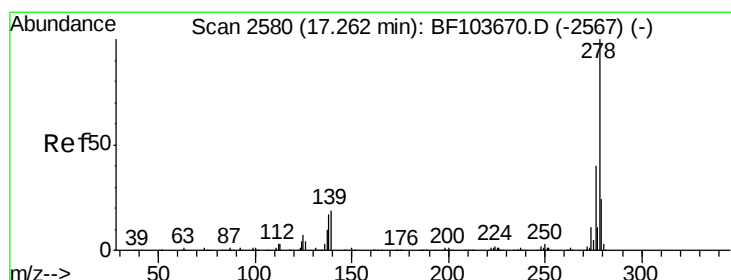
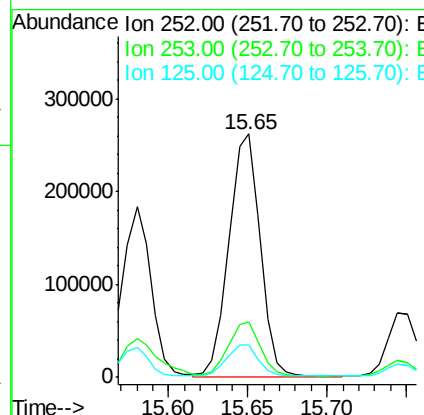
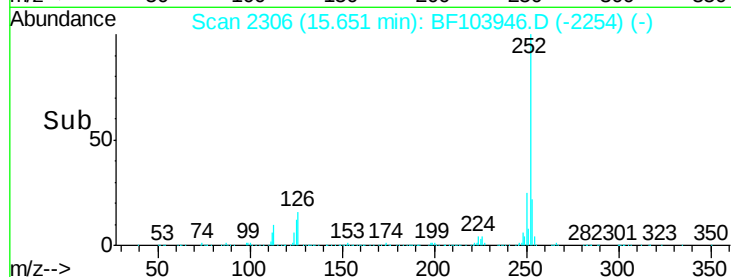
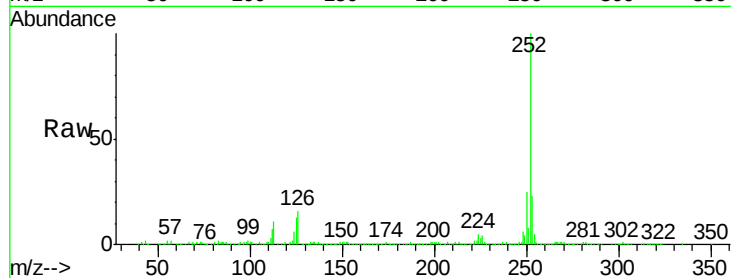
#89
Benzo(a)pyrene
Concen: 25.003 ng
RT: 15.65 min Scan# 2306
Delta R.T. 0.01 min
Lab File: BF103946.D
Acq: 27 Mar 2018 00:43

Instrument :
BNA_F
ClientSampleId :
S-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	13.1	9.8	14.6

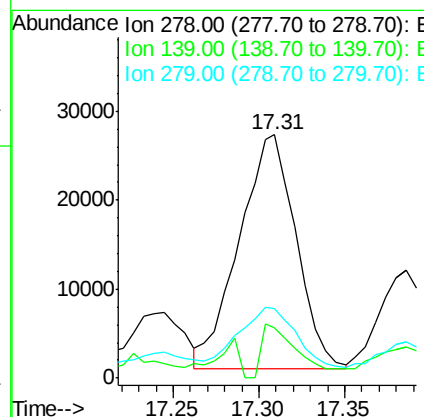
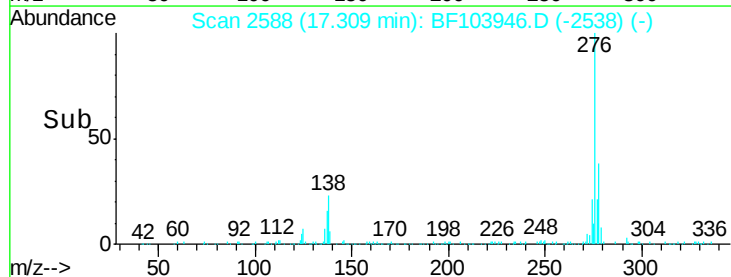
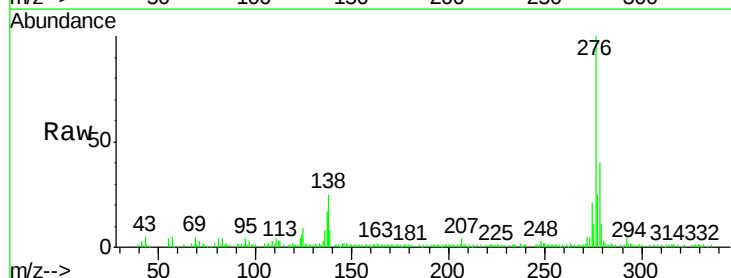
Manual Integrations
APPROVED

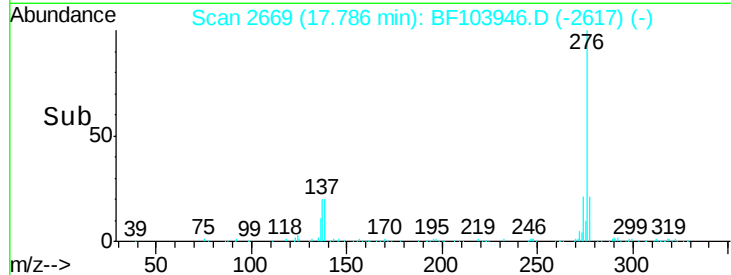
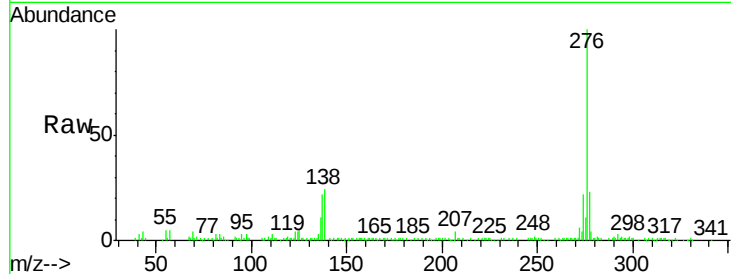
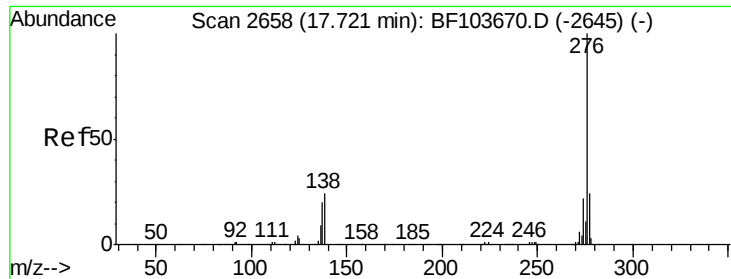
Sohil
3/27/2018 2:15:57 PM



#90
Dibenzo(a,h)anthracene
Concen: 4.941 ng m
RT: 17.31 min Scan# 2588
Delta R.T. -0.01 min
Lab File: BF103946.D
Acq: 27 Mar 2018 00:43

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.9	15.9	23.9
279	28.8	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 13.683 ng
 RT: 17.79 min Scan# 2669
 Delta R.T. 0.01 min
 Lab File: BF103946.D
 Acq: 27 Mar 2018 00:43

Instrument :
 BNA_F
 ClientSampleId :
 S-2

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.7	17.9	26.9
138	24.3	21.8	32.8

Manual Integrations
 APPROVED

Sohil
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