

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032018\
 Data File : BF103818.D
 Acq On : 20 Mar 2018 22:21
 Operator : JU/SJ
 Sample : J1966-07
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FRAC-1

Manual Integrations
 APPROVED

Sohil
 3/22/2018 12:57:52 PM

Quant Time: Mar 21 12:54:21 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	150707	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	508870	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	172304	20.00	ng	0.02
63) Phenanthrene-d10	11.53	188	133476	20.00	ng	0.03
75) Chrysene-d12	14.20	240	65639	20.00	ng	0.05
86) Perylene-d12	15.79	264	204809	20.00	ng	0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	585005	59.04	ng	0.00
7) Phenol-d6	6.59	99	453669	37.42	ng	0.00
23) Nitrobenzene-d5	7.54	82	877233	120.22	ng	0.00
41) 2,4,6-Tribromophenol	10.83	330	231165	156.04	ng	0.03
44) 2-Fluorobiphenyl	9.34	172	1139284	105.47	ng	0.01
78) Terphenyl-d14	13.13	244	531769	188.05	ng	0.04
Target Compounds						
10) Phenol	6.60	94	31894	2.476	ng	97
37) 2-Methylnaphthalene	8.98	142	210897	12.937	ng	96
51) Acenaphthene	10.06	154	44496	4.235	ng	# 64
57) Fluorene	10.58	166	82846	7.114	ng	# 82
70) Phenanthrene	11.55	178	114760	15.717	ng	# 91

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

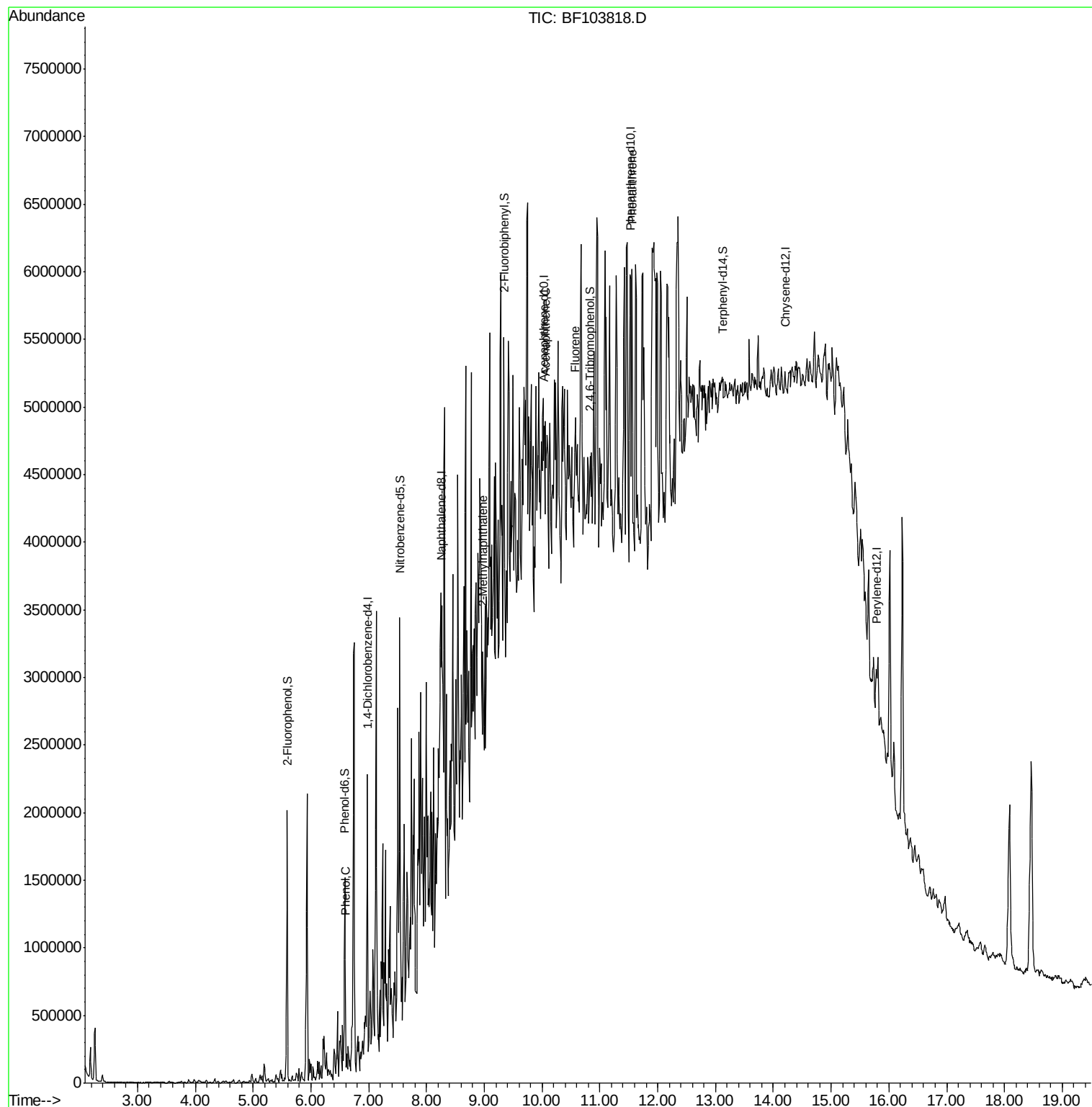
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF032018\
Data File : BF103818.D
Acq On : 20 Mar 2018 22:21
Operator : JU/SJ
Sample : J1966-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

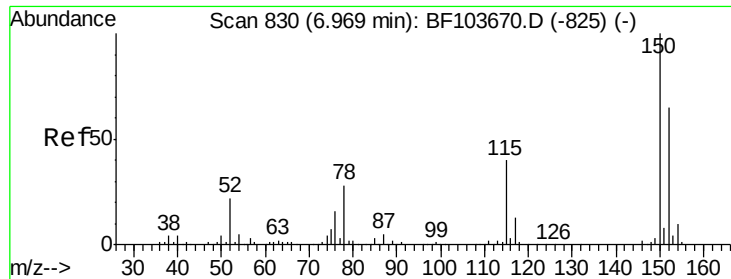
Instrument :
BNA_F
ClientSampled :
FRAC-1

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3/22/2018 12:57:52 PM

Quant Time: Mar 21 12:54:21 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 15 18:31:53 2018
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#1

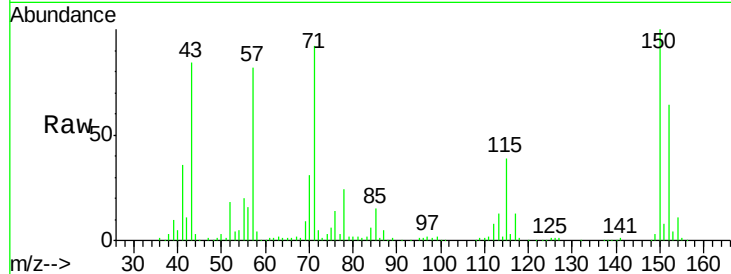
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.01 min
Lab File: BF103818.D
Acq: 20 Mar 2018 22:21

Instrument :
BNA_F
ClientSampled :
FRAC-1

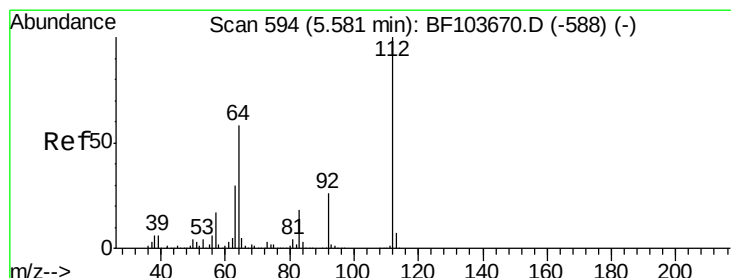
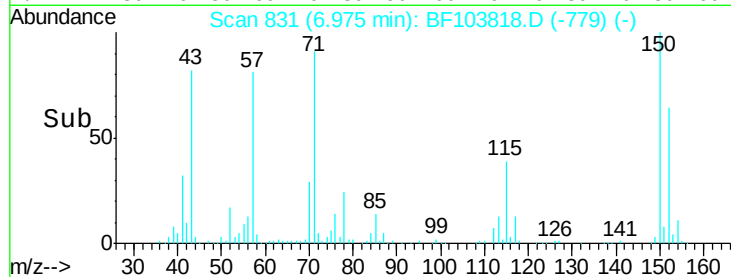
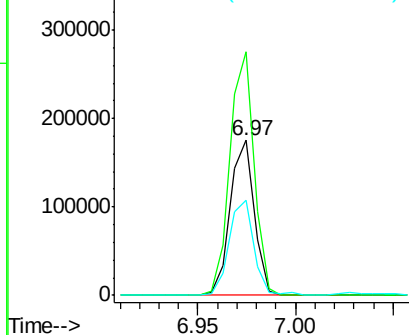
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.6	186.8
115	61.2	50.1	75.1

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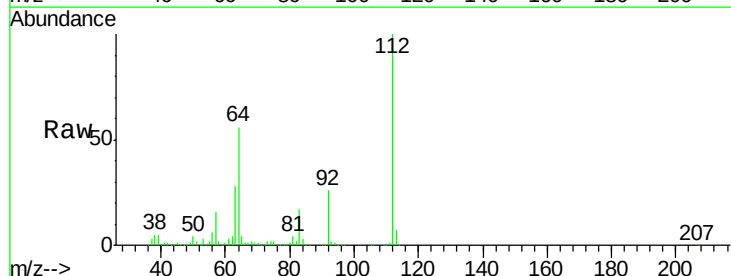
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



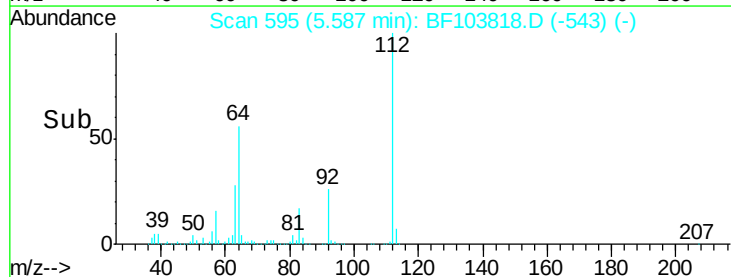
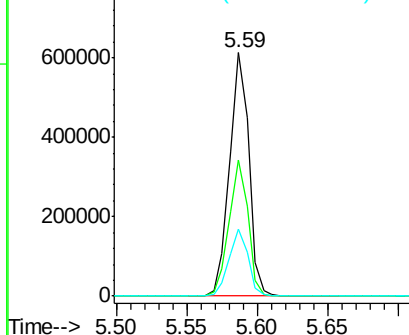
#5

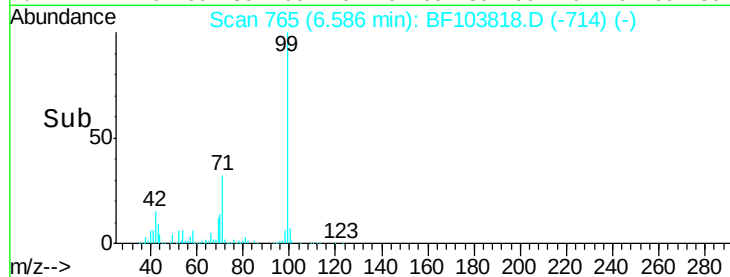
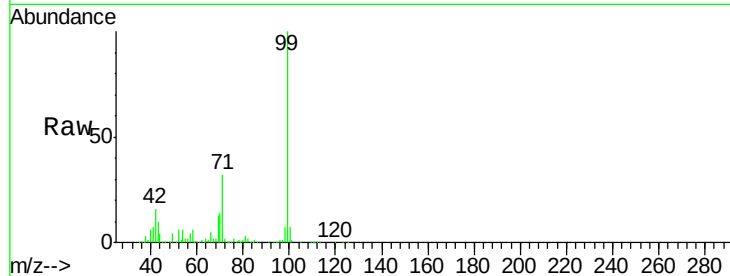
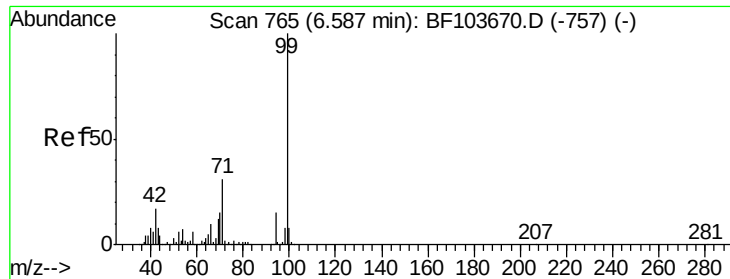
2-Fluorophenol
Concen: 59.041 ng
RT: 5.59 min Scan# 595
Delta R.T. 0.01 min
Lab File: BF103818.D
Acq: 20 Mar 2018 22:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	47.9	71.9
63	27.7	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: 37.424 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.00 min

Lab File: BF103818.D

Acq: 20 Mar 2018 22:21

Tot Ion:	99	Resp:	453669
Ion Ratio	Lower	Upper	
99	100		
42	15.6	14.5	21.7
71	32.1	25.4	38.0

Instrument :

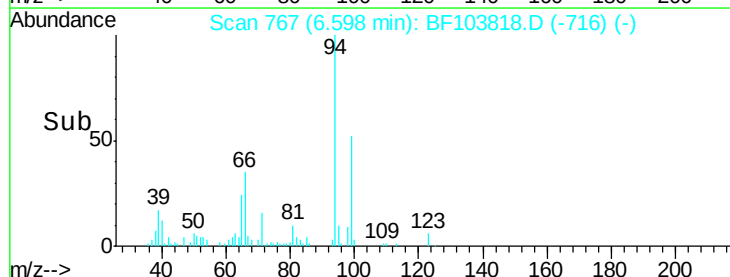
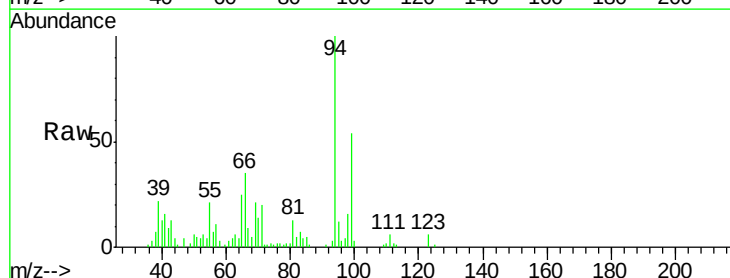
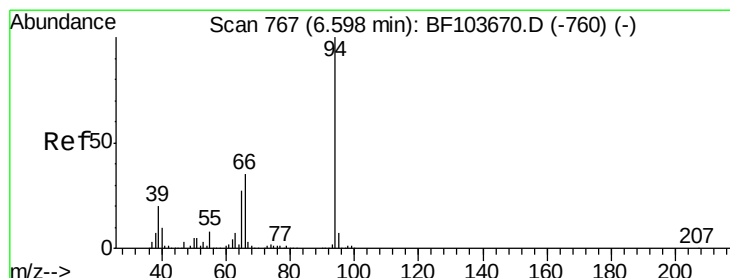
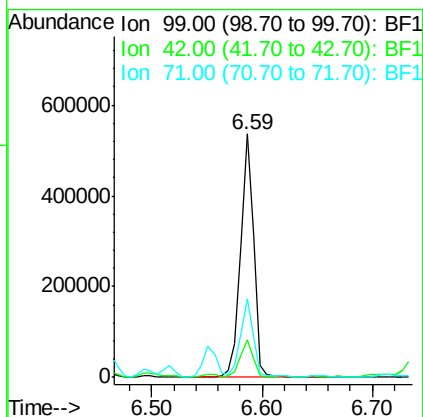
BNA_F

ClientSampled :

FRAC-1

Manual Integrations
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#10

Phenol

Concen: 2.476 ng

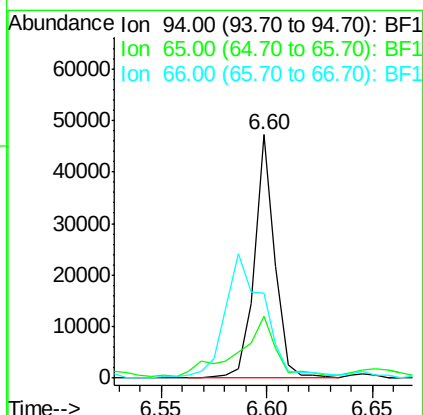
RT: 6.60 min Scan# 767

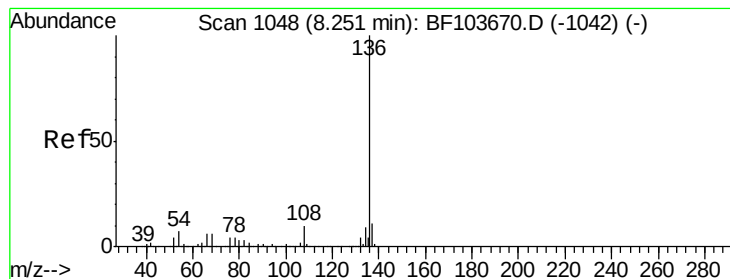
Delta R.T. -0.00 min

Lab File: BF103818.D

Acq: 20 Mar 2018 22:21

Tgt Ion:	94	Resp:	31894
Ion Ratio	Lower	Upper	
94	100		
65	25.2	7.9	47.9
66	35.0	16.2	56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF103818.D

Acq: 20 Mar 2018 22:21

Instrument :

BNA_F

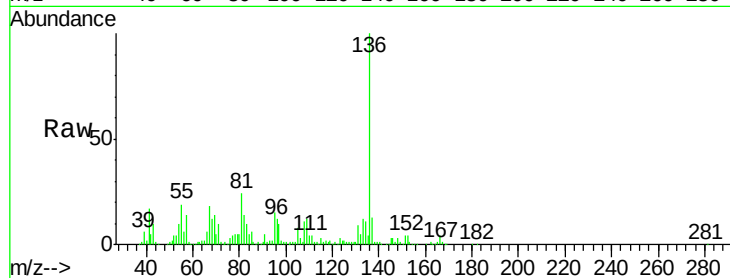
ClientSampleId :

FRAC-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	13.0		8.9	13.3	
54	10.2		6.6	9.8	
68	11.5		5.0	7.4	

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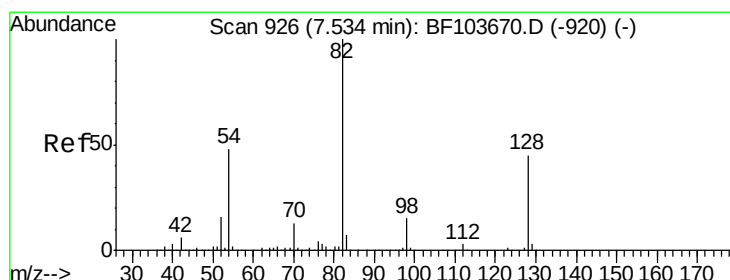
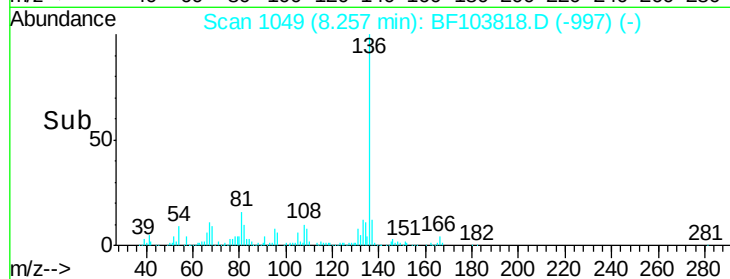
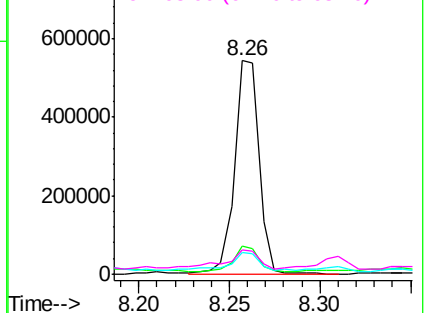
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 120.217 ng

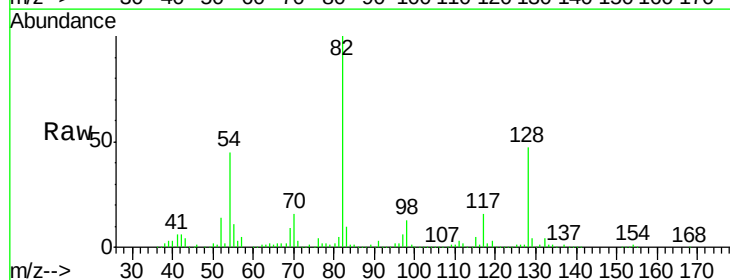
RT: 7.54 min Scan# 927

Delta R.T. 0.01 min

Lab File: BF103818.D

Acq: 20 Mar 2018 22:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	46.9		36.1	54.1	
54	44.7		41.4	62.2	

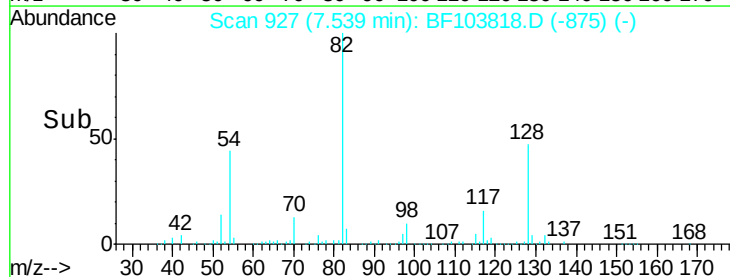
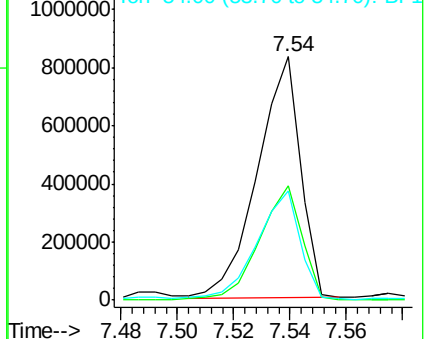


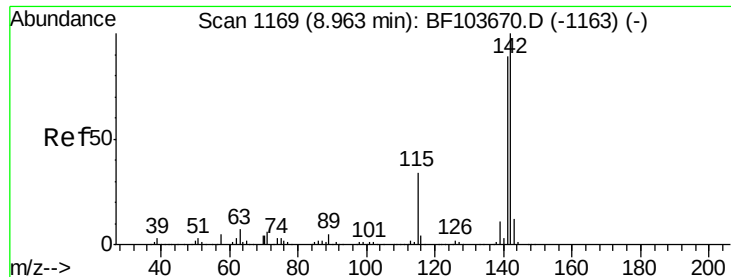
Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





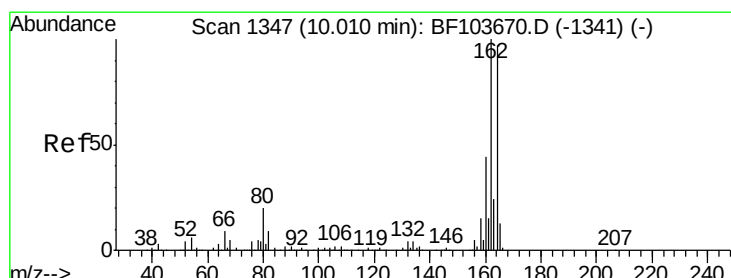
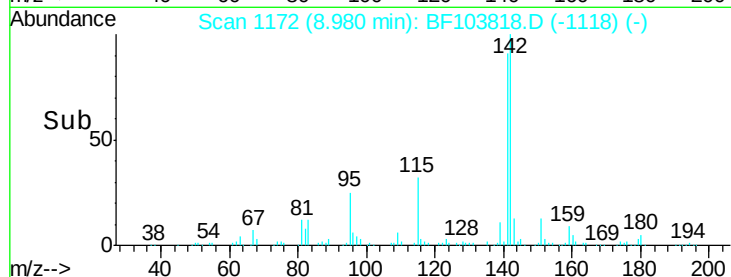
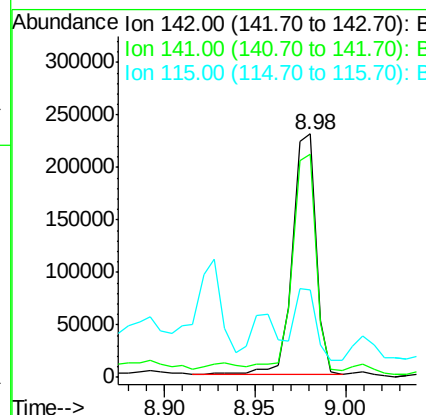
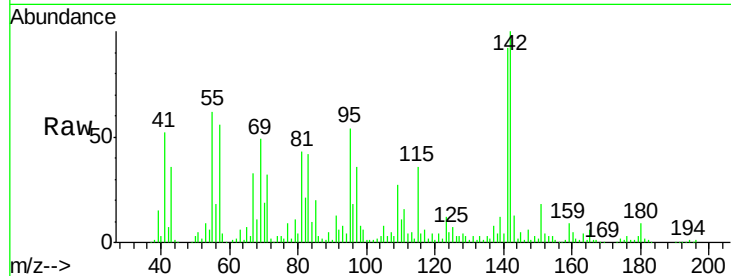
#37
2-Methylnaphthalene
Concen: 12.937 ng
RT: 8.98 min Scan# 1172
Delta R.T. 0.02 min
Lab File: BF103818.D
Acq: 20 Mar 2018 22:21

Instrument :
BNA_F
ClientSampleId :
FRAC-1

Tot Ion	Ratio	Resp	Lower	Upper
142	100	210897		
141	91.5	70.8	106.2	
115	35.8	26.1	39.1	

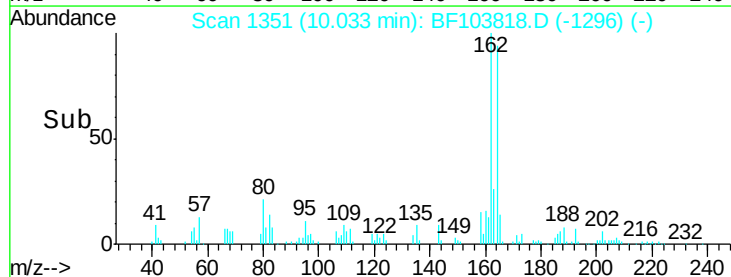
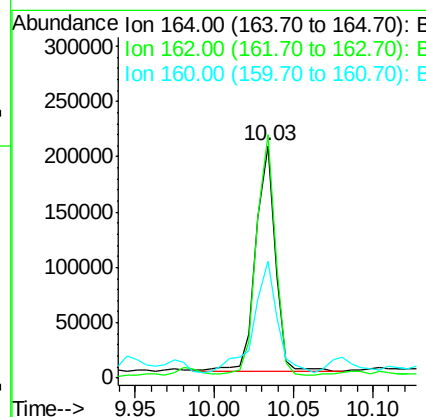
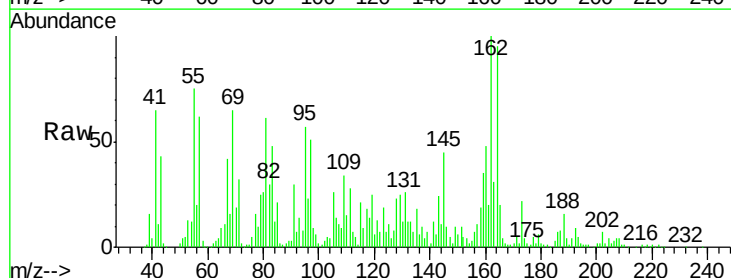
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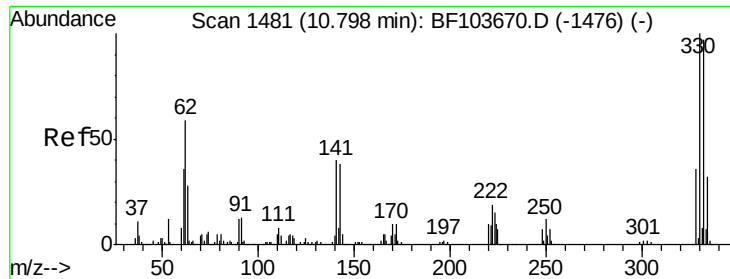
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.02 min
Lab File: BF103818.D
Acq: 20 Mar 2018 22:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	172304		
162	104.9	86.1	129.1	
160	50.6	38.3	57.5	





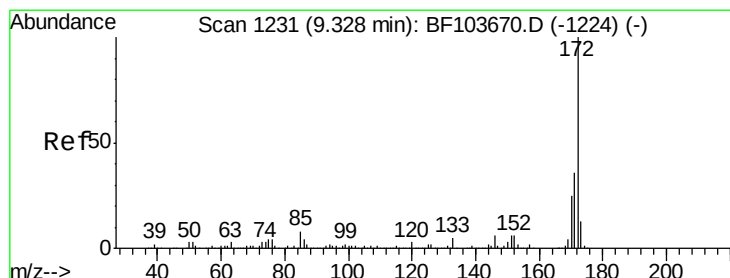
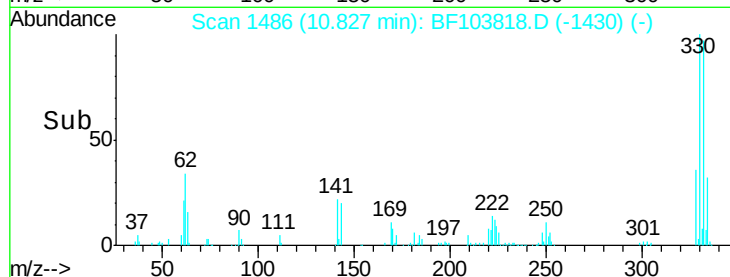
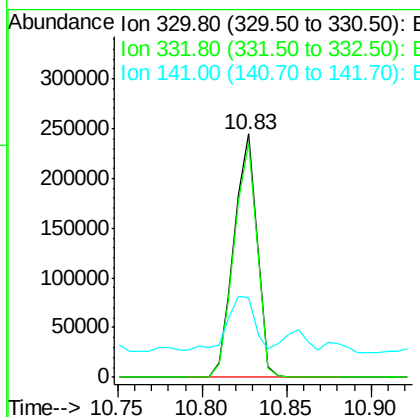
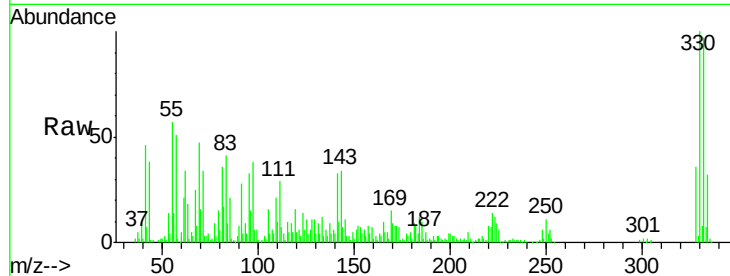
#41
 2,4,6-Tribromophenol
 Concen: 156.036 ng
 RT: 10.83 min Scan# 1486
 Delta R.T. 0.03 min
 Lab File: BF103818.D
 Acq: 20 Mar 2018 22:21

Instrument :
 BNA_F
 ClientSampled :
 FRAC-1

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	25.5	29.9	44.9

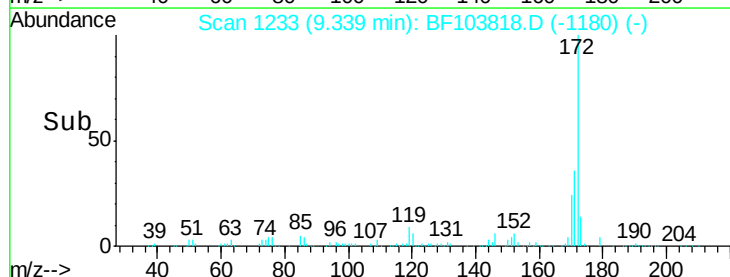
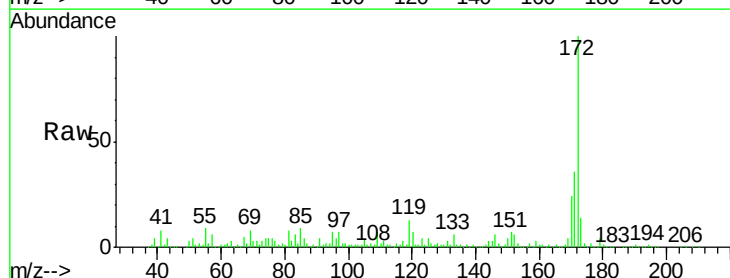
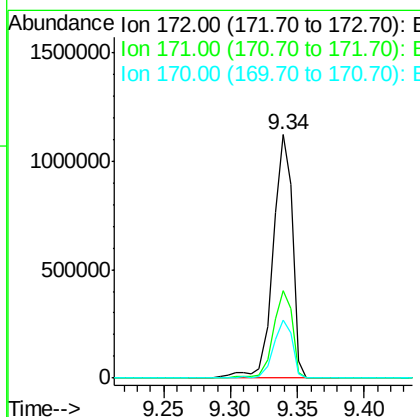
Manual Integrations
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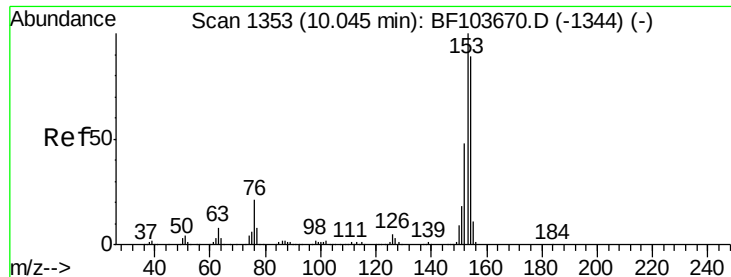
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#44
 2-Fluorobiphenyl
 Concen: 105.472 ng
 RT: 9.34 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: BF103818.D
 Acq: 20 Mar 2018 22:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	23.8	19.6	29.4





#51

Acenaphthene

Concen: 4.235 ng

RT: 10.06 min Scan# 1356

Delta R.T. 0.02 min

Lab File: BF103818.D

Acq: 20 Mar 2018 22:21

Instrument :

BNA_F

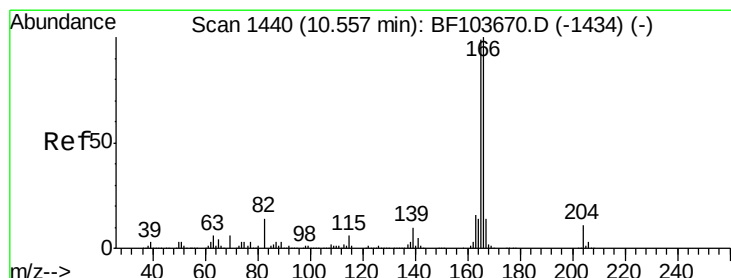
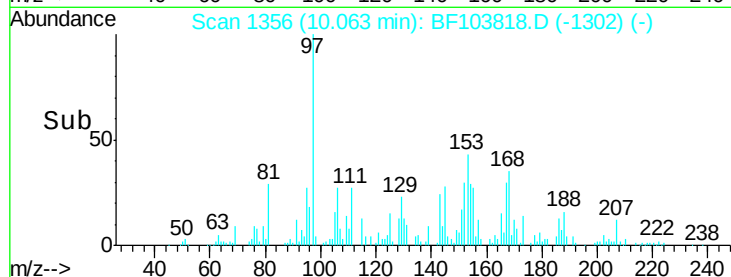
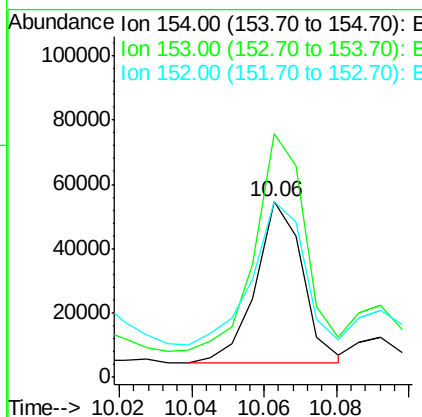
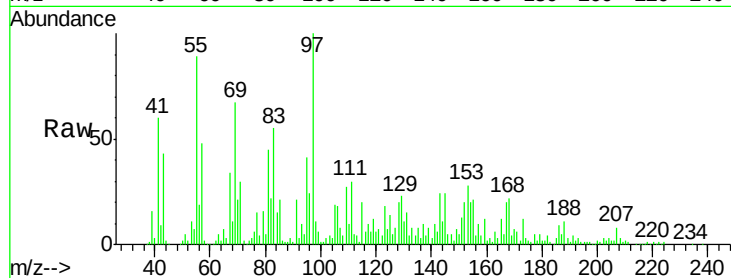
ClientSampled :

FRAC-1

Tot Ion	Ratio	Lower	Upper
154	100		
153	139.0	91.2	136.8#
152	100.4	43.8	65.8#

Manual Integrations
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#57

Fluorene

Concen: 7.114 ng

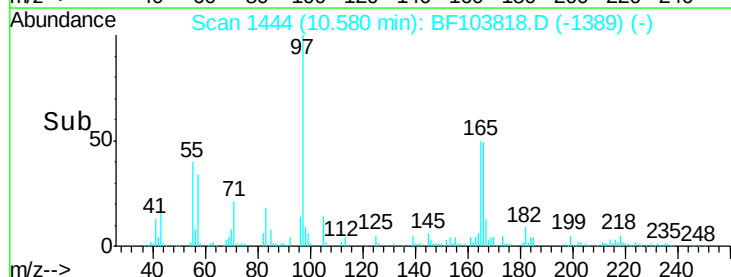
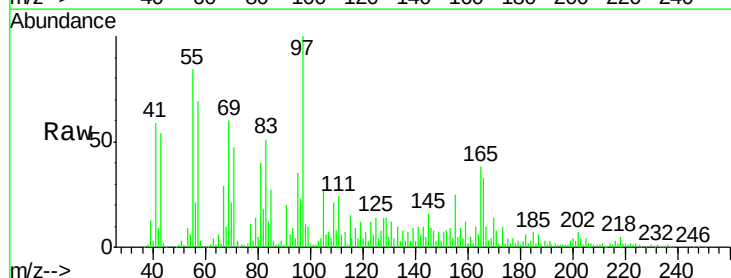
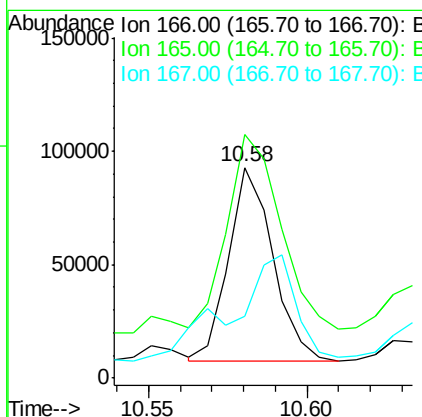
RT: 10.58 min Scan# 1444

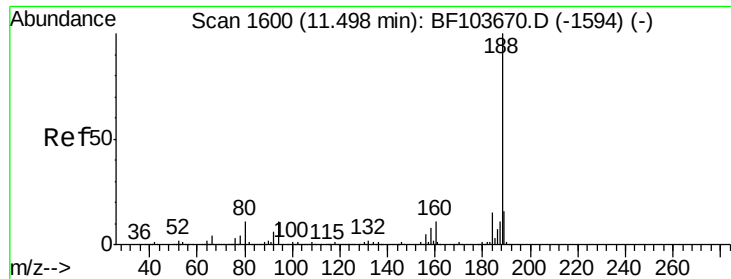
Delta R.T. 0.02 min

Lab File: BF103818.D

Acq: 20 Mar 2018 22:21

Tgt Ion	Ratio	Lower	Upper
166	100		
165	115.5	79.8	119.8
167	29.2	10.6	16.0#





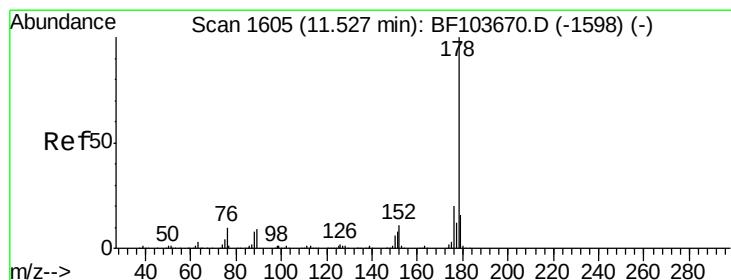
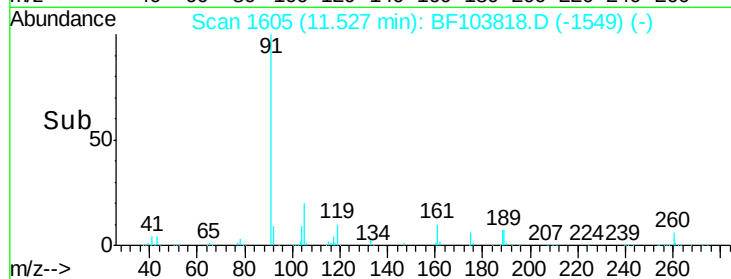
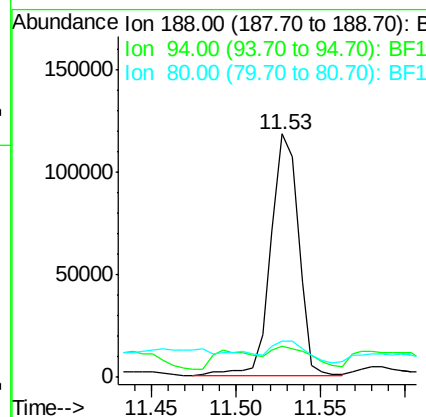
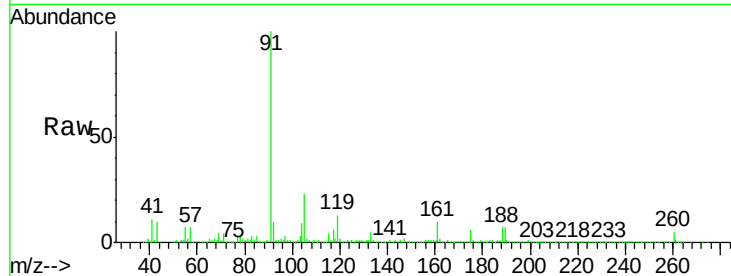
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.53 min Scan# 1605
Delta R.T. 0.03 min
Lab File: BF103818.D
Acq: 20 Mar 2018 22:21

Instrument :
BNA_F
ClientSampleId :
FRAC-1

Tot Ion	Ratio	Lower	Upper
188	100		
94	12.7	8.5	12.7
80	15.1	9.2	13.8

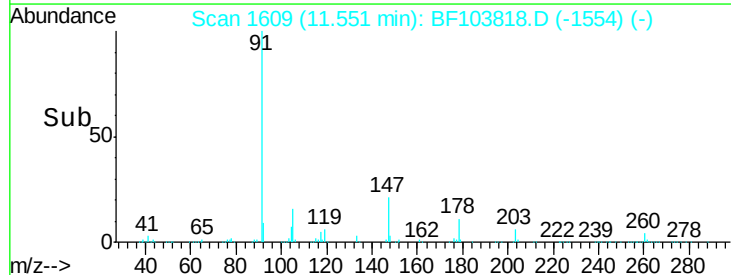
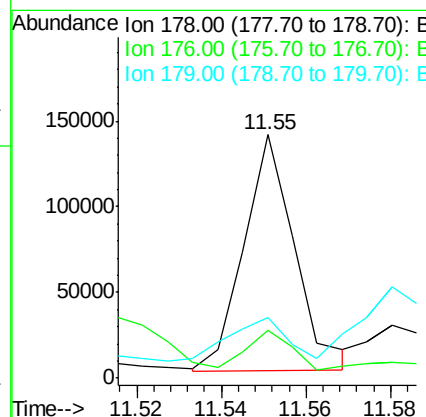
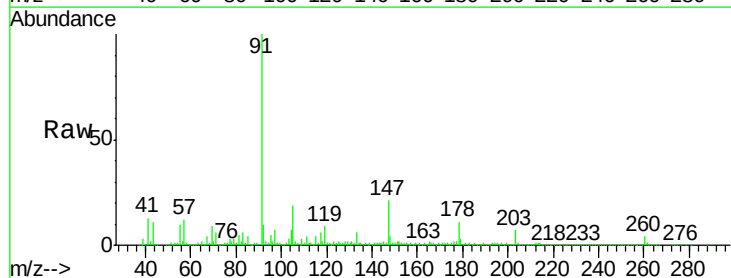
Manual Integrations
APPROVED

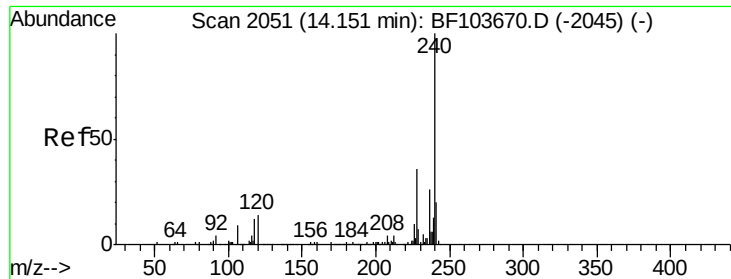
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#70
Phenanthrene
Concen: 15.717 ng
RT: 11.55 min Scan# 1609
Delta R.T. 0.02 min
Lab File: BF103818.D
Acq: 20 Mar 2018 22:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	24.9	13.0	19.6





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.20 min Scan# 2060

Delta R.T. 0.05 min

Lab File: BF103818.D

Acq: 20 Mar 2018 22:21

Instrument :

BNA_F

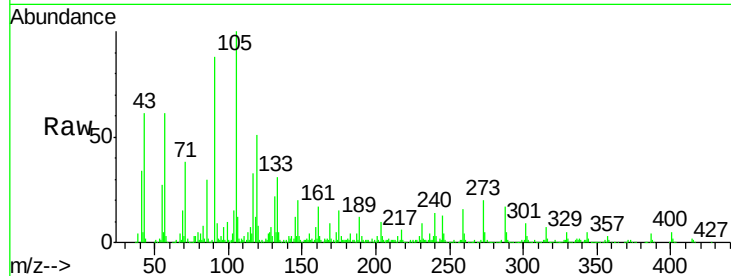
ClientSampled :

FRAC-1

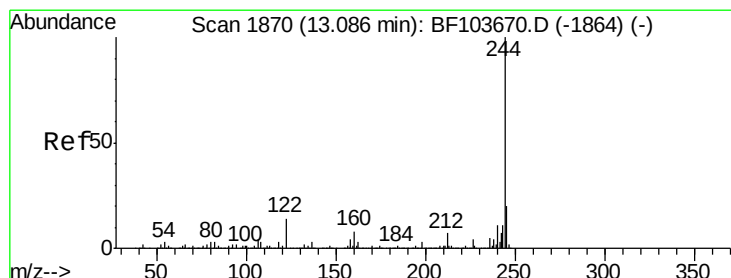
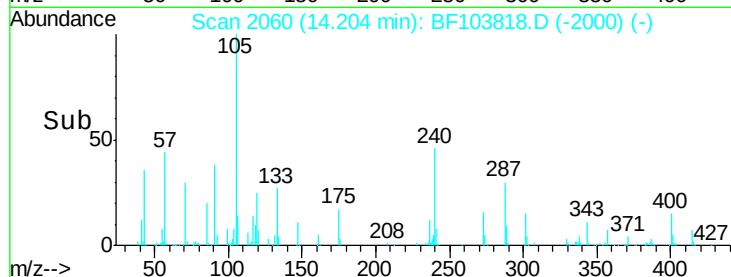
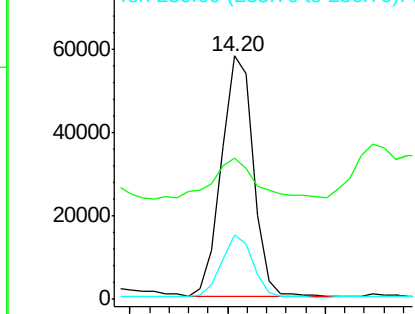
Tot Ion:	240	Resp:	65639
Ion Ratio	Lower	Upper	
240	100		
120	57.9	9.5	14.3#
236	26.4	20.7	31.1

Manual Integrations
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Sohil
3/22/2018 12:57:52 PM



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 188.046 ng

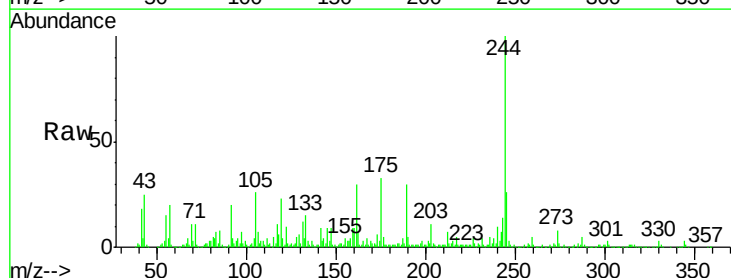
RT: 13.13 min Scan# 1877

Delta R.T. 0.04 min

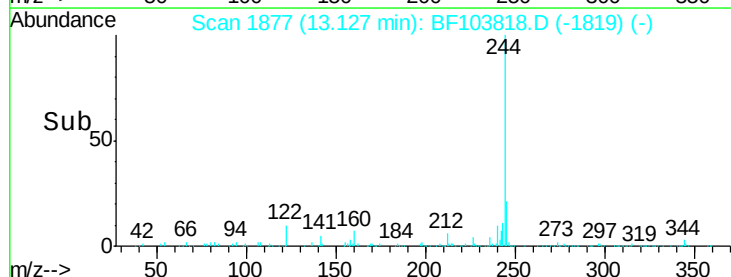
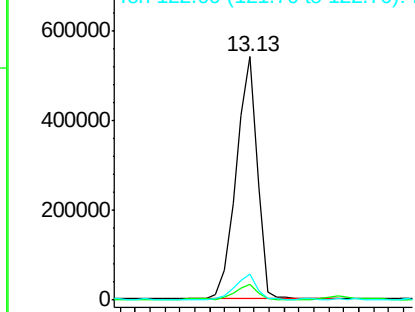
Lab File: BF103818.D

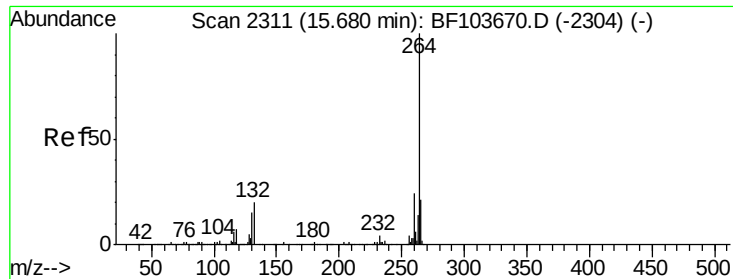
Acq: 20 Mar 2018 22:21

Tgt Ion:	244	Resp:	531769
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.4	8.0
122	10.4	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





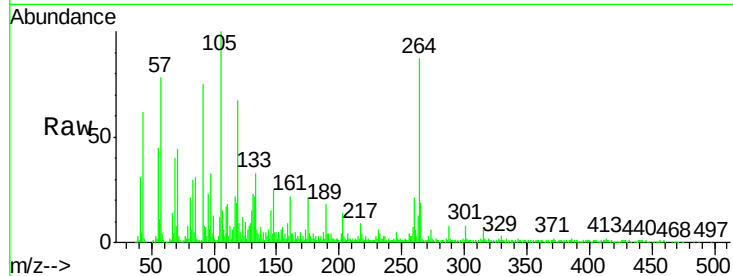
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.79 min Scan# 2329
Delta R.T. 0.11 min
Lab File: BF103818.D
Acq: 20 Mar 2018 22:21

Instrument :
BNA_F
ClientSampleId :
FRAC-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.7	17.5	26.3

Manual Integrations
APPROVED

Sohil
3/22/2018 12:57:52 PM



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

