

Data Path : U:\HPCHEM1\BNA F\DATA\BF011718\
 Data File : BF102176.D
 Acq On : 18 Jan 2018 4:09
 Operator : SJ/JU
 Sample : J1144-03
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IGW-3

Manual Integrations
 APPROVED

Sohil
 1/18/2018 11:12:45 AM

Quant Time: Jan 18 04:56:47 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 17 15:28:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	159844	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	525830	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	233143	20.00	ng	0.01
63) Phenanthrene-d10	11.25	188	369729	20.00	ng	0.01
75) Chrysene-d12	13.87	240	278021	20.00	ng	0.00
86) Perylene-d12	15.28	264	274782	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1133207	100.11	ng	0.01
7) Phenol-d6	6.36	99	1334821	98.83	ng	0.00
23) Nitrobenzene-d5	7.29	82	806682	90.15	ng	0.00
41) 2,4,6-Tribromophenol	10.56	330	229952	113.02	ng	0.01
44) 2-Fluorobiphenyl	9.09	172	1255883	84.16	ng	0.00
78) Terphenyl-d14	12.83	244	954971	71.32	ng	0.00
Target Compounds						
10) Phenol	6.37	94	59282	3.884	ng	80
31) Naphthalene	8.03	128	895997m	34.101	ng	
37) 2-Methylnaphthalene	8.73	142	1425444	82.408	ng	98
49) Dimethylphthalate	9.48	163	134020	7.166	ng	# 85
51) Acenaphthene	9.80	154	63001	4.093	ng	# 82
57) Fluorene	10.31	166	174433	11.944	ng	# 82
70) Phenanthrene	11.27	178	370353	17.148	ng	97
77) Pyrene	12.67	202	70181	2.856	ng	# 94

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

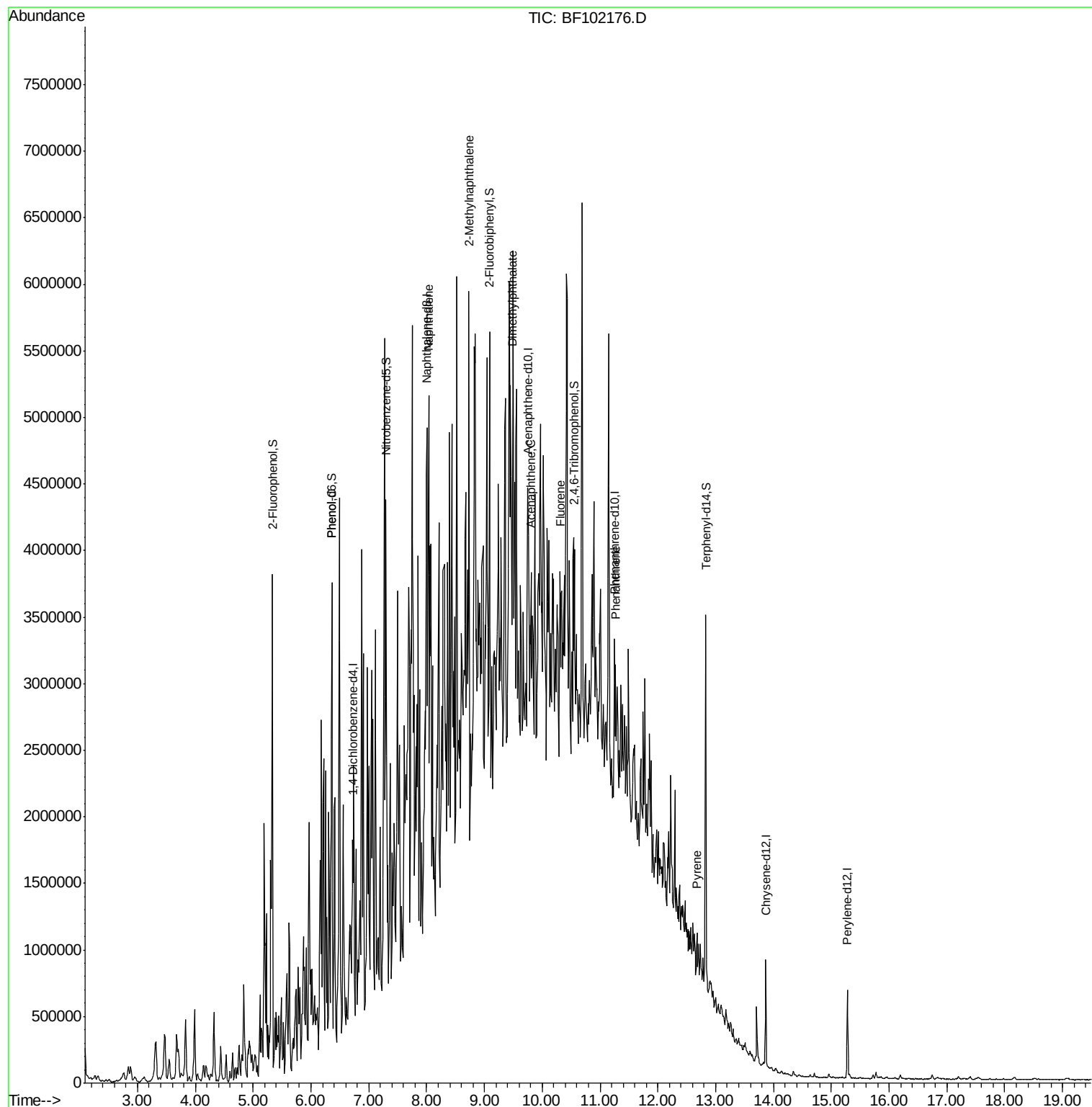
Data Path : U:\HPCHEM1\BNA F\DATA\BF011718\
Data File : BF102176.D
Acq On : 18 Jan 2018 4:09
Operator : SJ/JU
Sample : J1144-03
Misc :
ALS Vial : 29 Sample Multiplier: 1

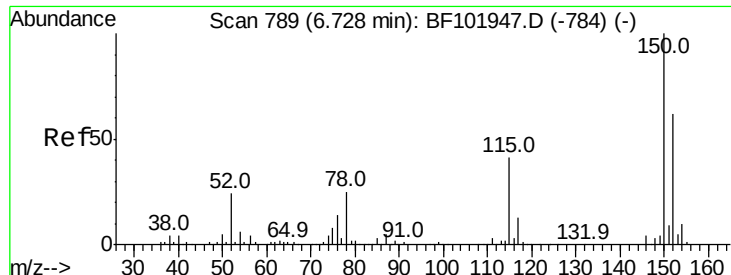
Instrument :
BNA_F
ClientSampleId :
IGW-3

Manual Integrations
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1/18/2018 11:12:45 AM

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#1

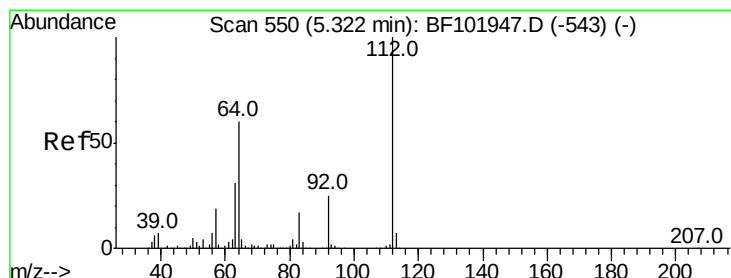
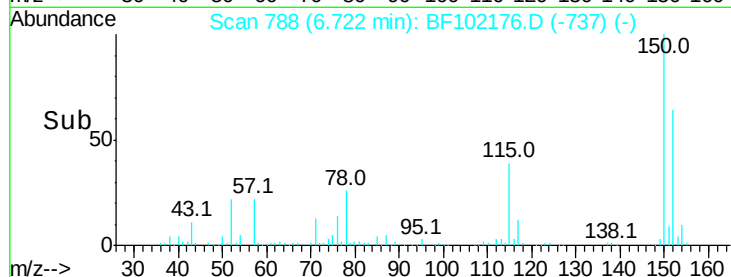
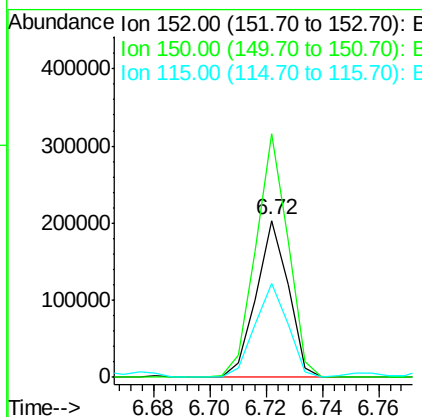
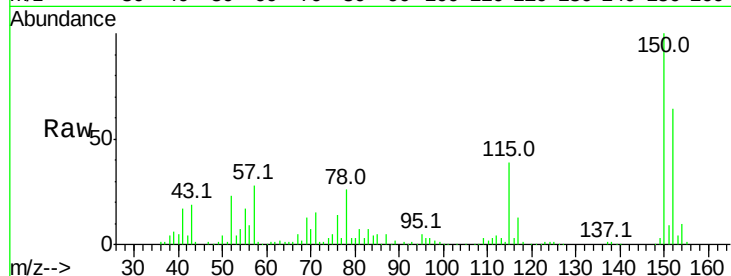
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF102176.D
Acq: 18 Jan 2018 4:09

Instrument :
BNA_F
ClientSampleId :
IGW-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.6	186.8
115	60.3	50.1	75.1

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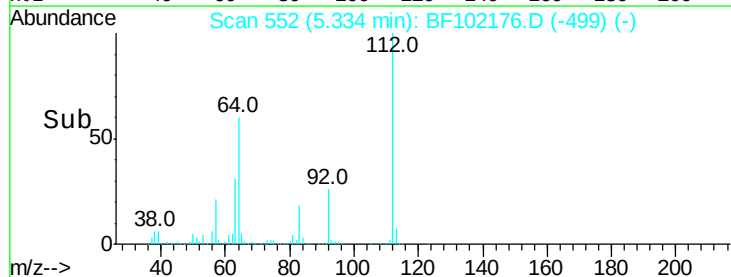
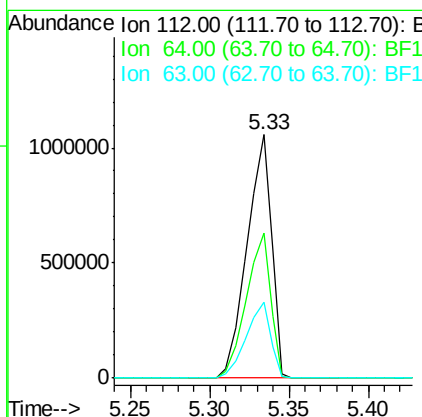
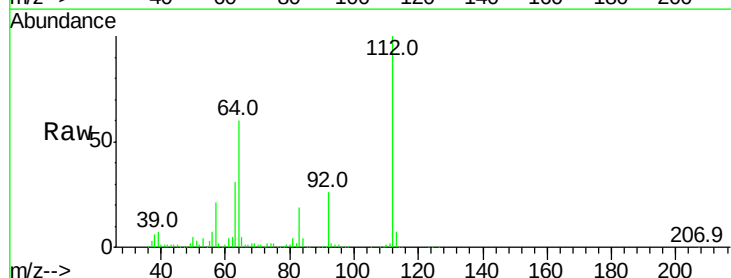
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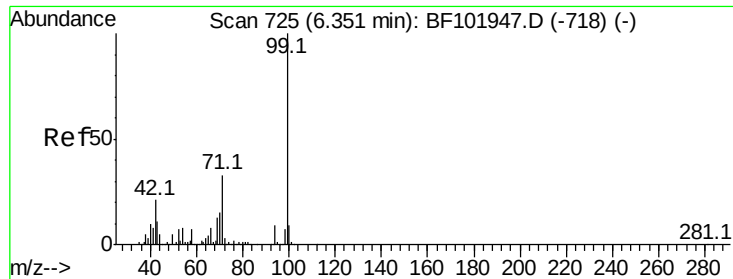


#5

2-Fluorophenol
Concen: 100.109 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102176.D
Acq: 18 Jan 2018 4:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	47.9	71.9
63	31.4	23.7	35.5





#7

Phenol-d6

Concen: 98.834 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF102176.D

Acq: 18 Jan 2018 4:09

Instrument :

BNA_F

ClientSampled :

IGW-3

Tot Ion: 99 Resp: 1334821

Ion Ratio Lower Upper

99 100

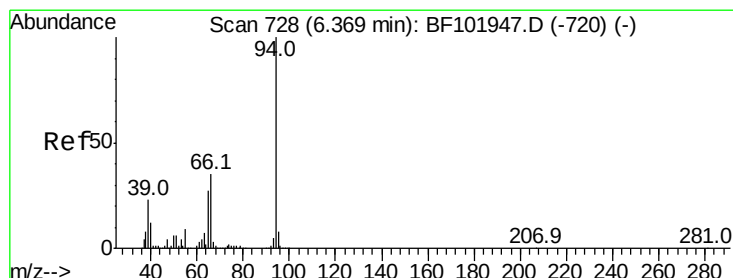
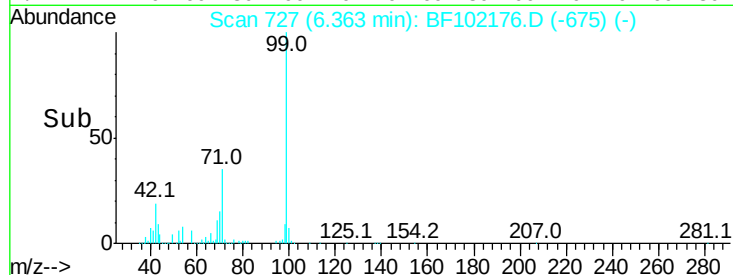
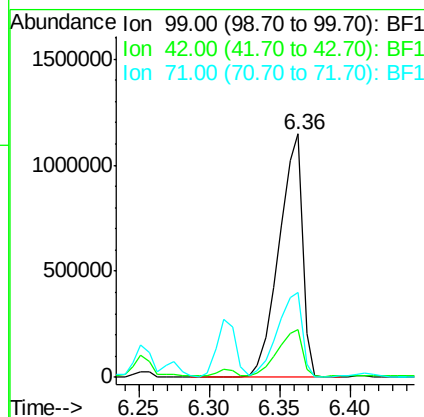
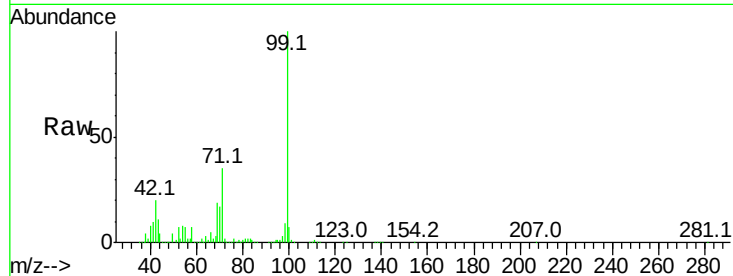
42 19.8 14.5 21.7

71 35.0 25.4 38.0

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#10

Phenol

Concen: 3.884 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102176.D

Acq: 18 Jan 2018 4:09

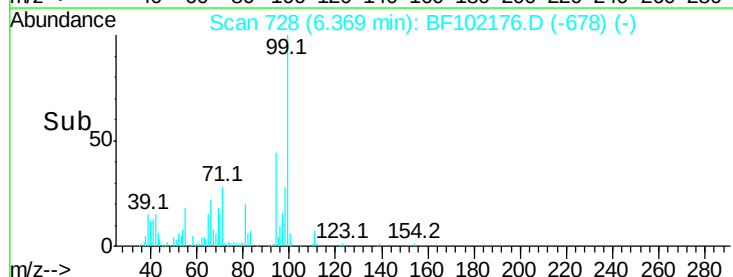
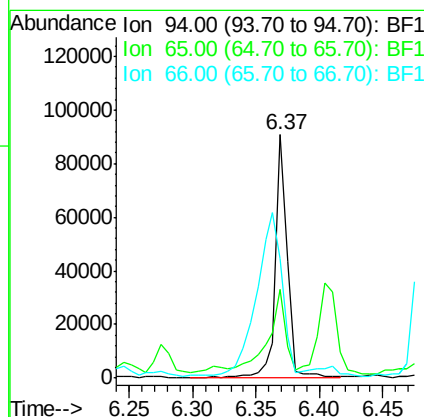
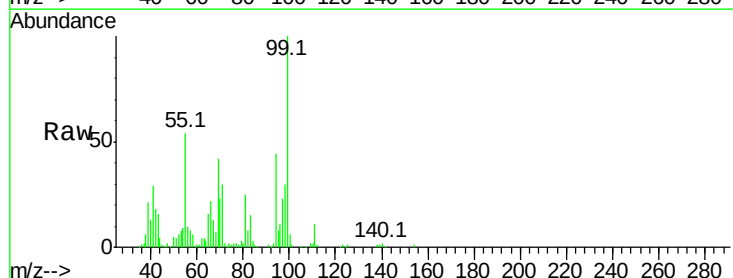
Tgt Ion: 94 Resp: 59282

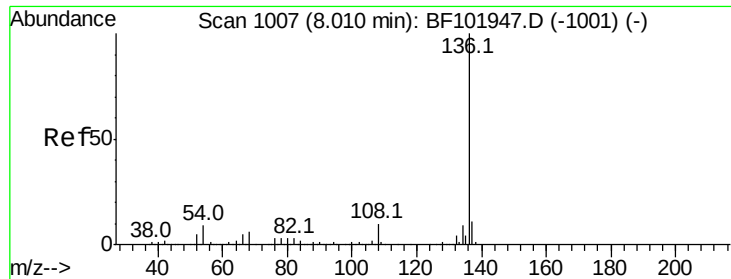
Ion Ratio Lower Upper

94 100

65 36.3 7.9 47.9

66 49.3 16.2 56.2





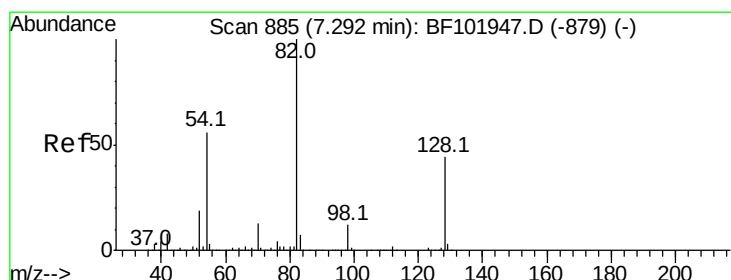
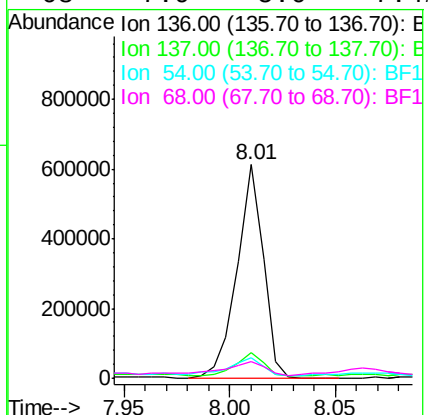
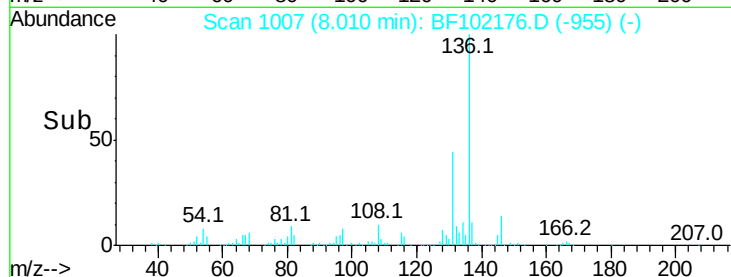
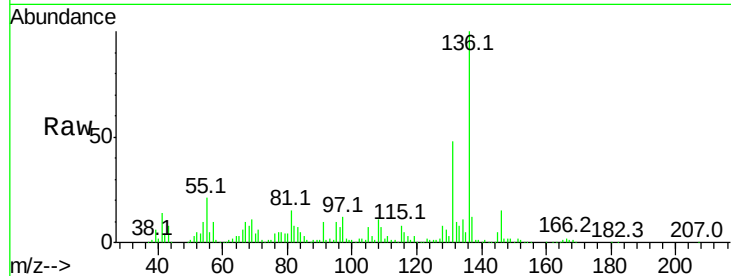
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. 0.01 min
Lab File: BF102176.D
Acq: 18 Jan 2018 4:09

Instrument :
BNA_F
ClientSampleId :
IGW-3

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	12.2	8.9	13.3	
54	9.7	6.6	9.8	
68	7.9	5.0	7.4	

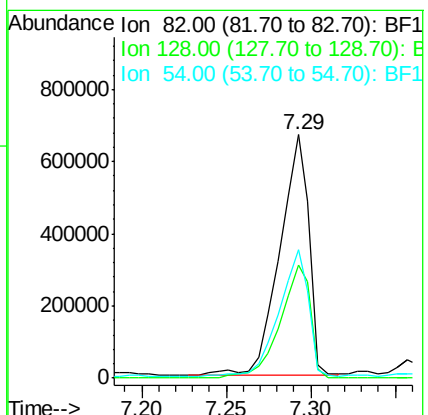
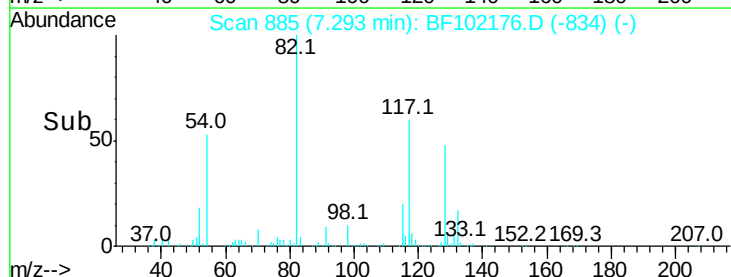
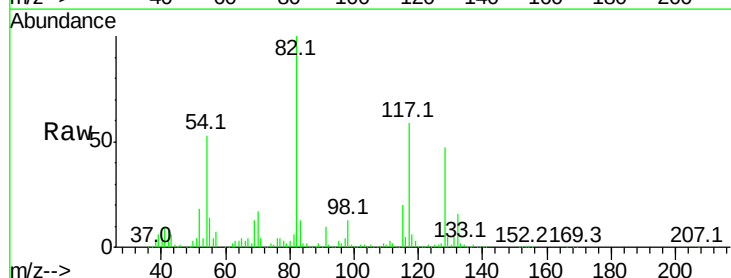
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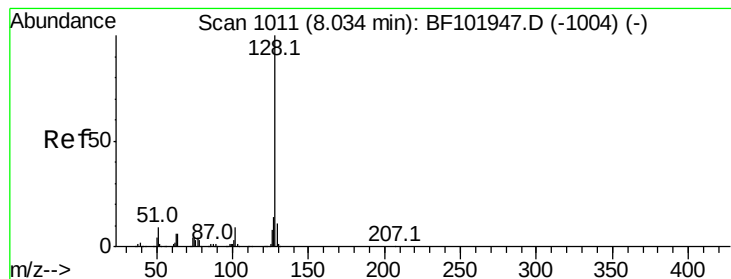
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#23
Nitrobenzene-d5
Concen: 90.151 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.00 min
Lab File: BF102176.D
Acq: 18 Jan 2018 4:09

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.5	36.1	54.1	
54	52.8	41.4	62.2	





#31

Naphthalene

Concen: 34.101 ng/mL

RT: 8.03 min Scan# 1011

Delta R.T. 0.01 min

Lab File: BF102176.D

Acq: 18 Jan 2018 4:09

Instrument :

BNA_F

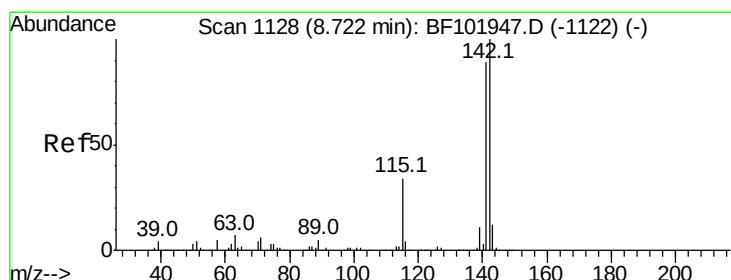
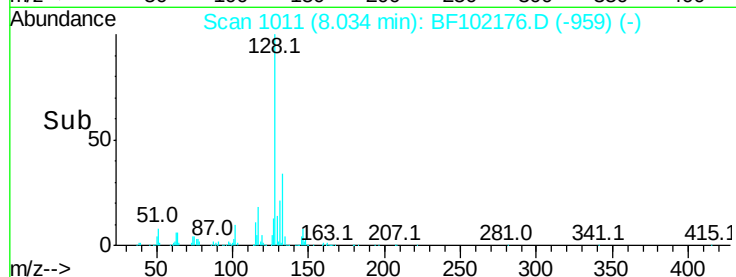
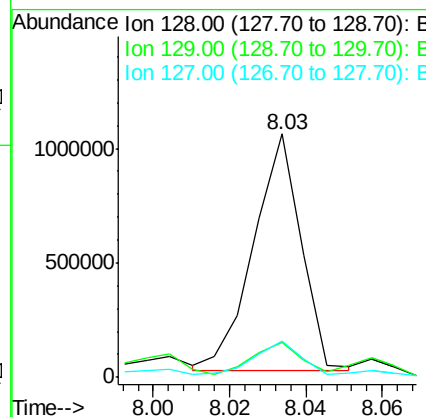
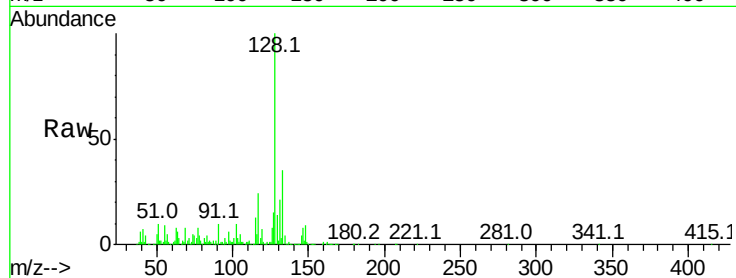
ClientSampled :

IGW-3

Tot Ion	Ratio	Lower	Upper
128	100		
129	14.4	8.8	13.2#
127	14.6	10.9	16.3

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#37

2-Methylnaphthalene

Concen: 82.408 ng/mL

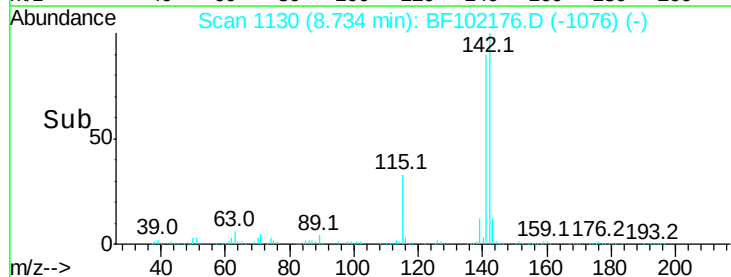
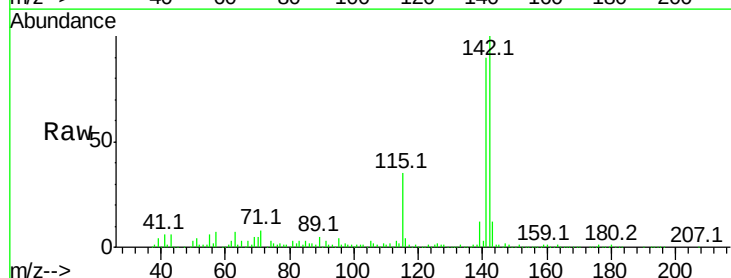
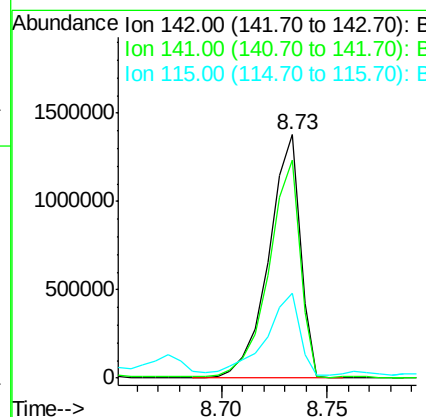
RT: 8.73 min Scan# 1130

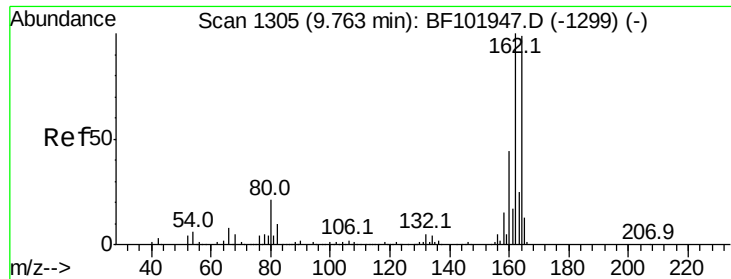
Delta R.T. 0.02 min

Lab File: BF102176.D

Acq: 18 Jan 2018 4:09

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.8	70.8	106.2
115	34.6	26.1	39.1





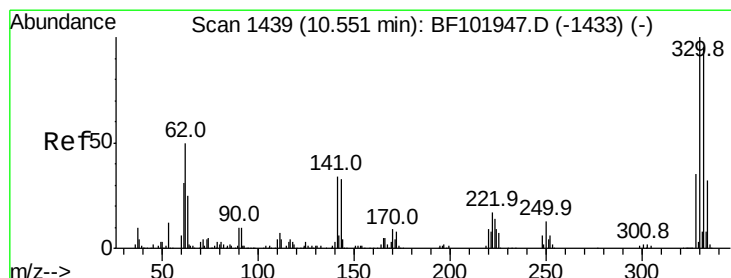
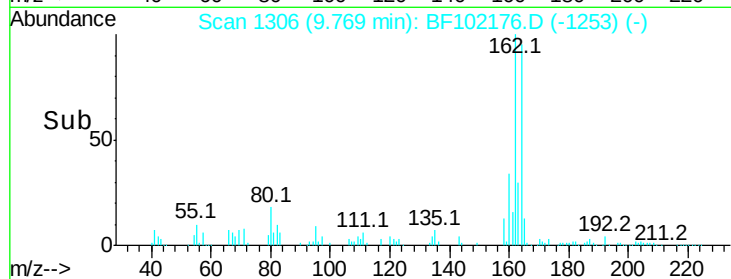
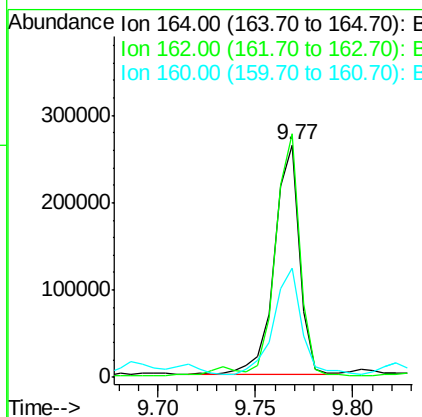
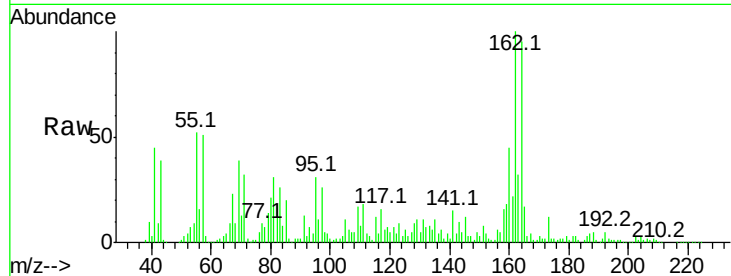
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. 0.01 min
 Lab File: BF102176.D
 Acq: 18 Jan 2018 4:09

Instrument :
 BNA_F
 ClientSampled :
 IGW-3

Tot Ion	Ratio	Resp	Lower	Upper
164	100	233143		
162	104.8	86.1	129.1	
160	47.1	38.3	57.5	

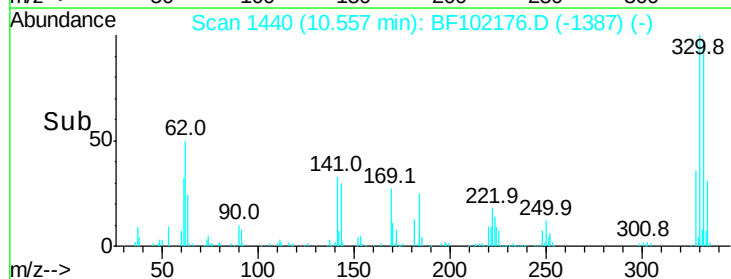
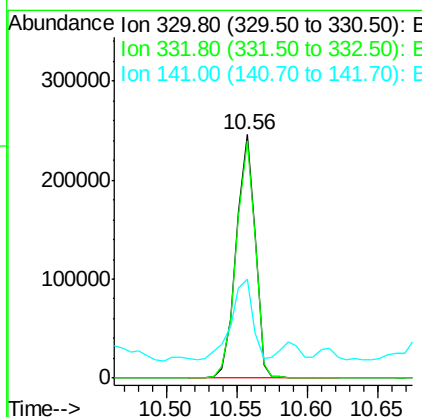
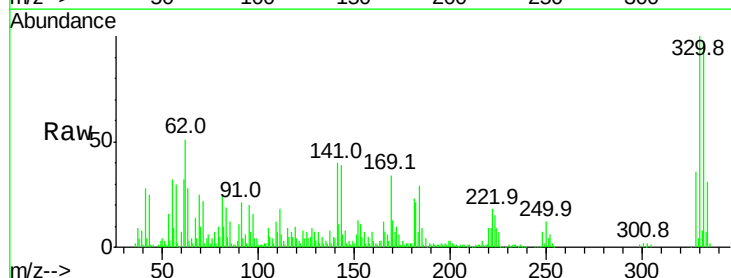
Manual Integrations
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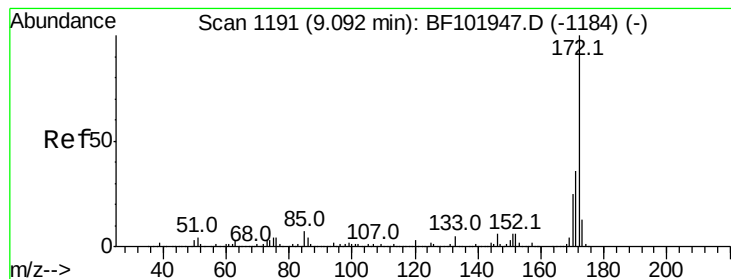
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#41
 2,4,6-Tribromophenol
 Concen: 113.020 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.01 min
 Lab File: BF102176.D
 Acq: 18 Jan 2018 4:09

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	229952		
332	98.2	77.0	115.6	
141	37.3	29.9	44.9	





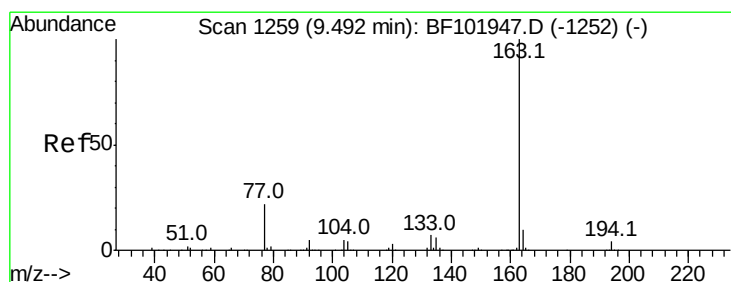
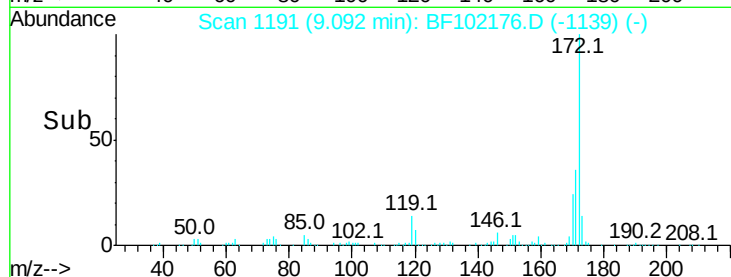
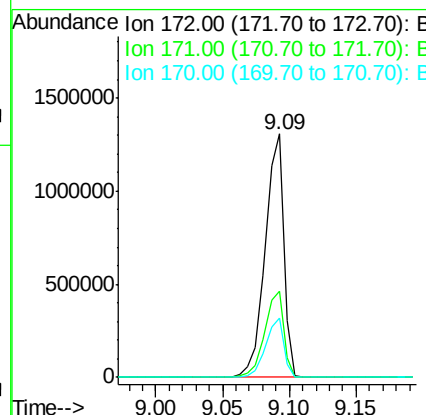
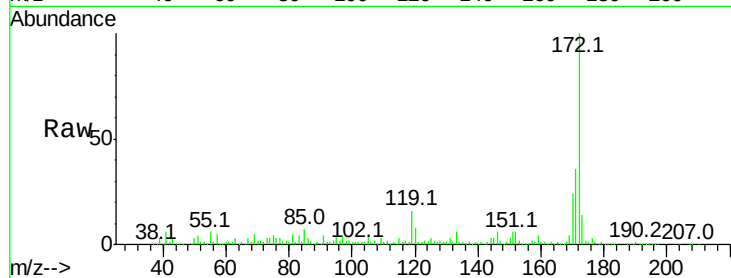
#44
2-Fluorobiphenyl
Concen: 84.156 ng
RT: 9.09 min Scan# 1191
Delta R.T. 0.01 min
Lab File: BF102176.D
Acq: 18 Jan 2018 4:09

Instrument :
BNA_F
ClientSampleId :
IGW-3

Tot Ion:172 Resp: 1255883
Ion Ratio Lower Upper
172 100
171 35.6 29.7 44.5
170 24.1 19.6 29.4

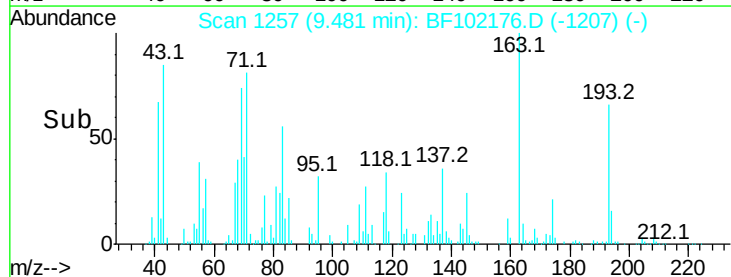
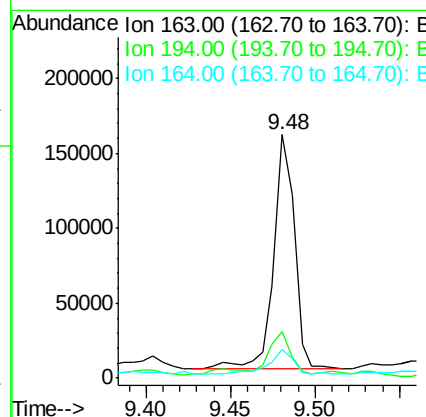
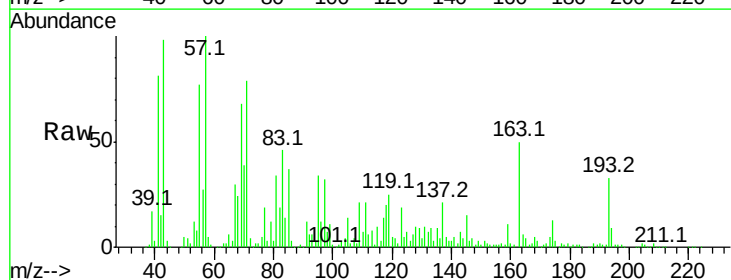
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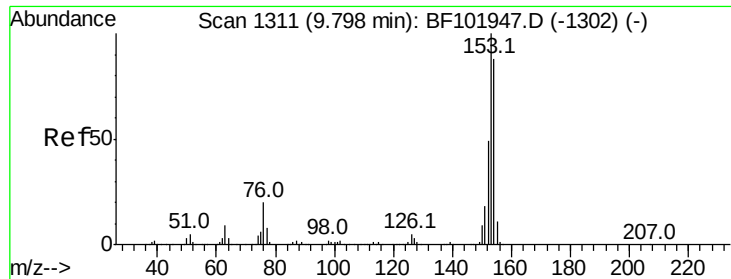
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#49
Dimethylphthalate
Concen: 7.166 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF102176.D
Acq: 18 Jan 2018 4:09

Tgt Ion:163 Resp: 134020
Ion Ratio Lower Upper
163 100
194 18.9 2.7 4.1#
164 11.7 8.2 12.2





#51

Acenaphthene

Concen: 4.093 ng

RT: 9.80 min Scan# 1311

Delta R.T. 0.01 min

Lab File: BF102176.D

Acq: 18 Jan 2018 4:09

Instrument :

BNA_F

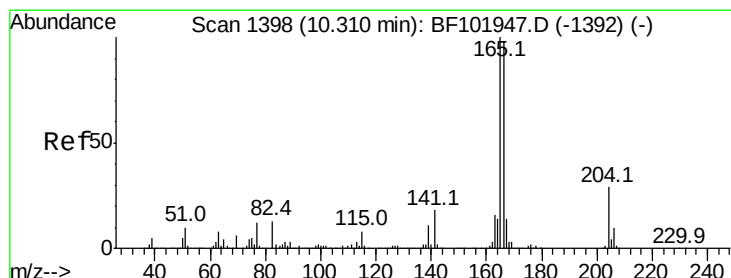
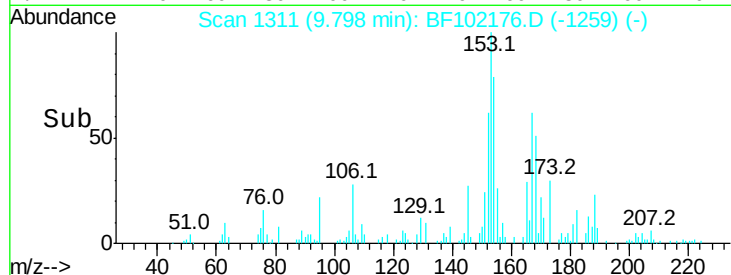
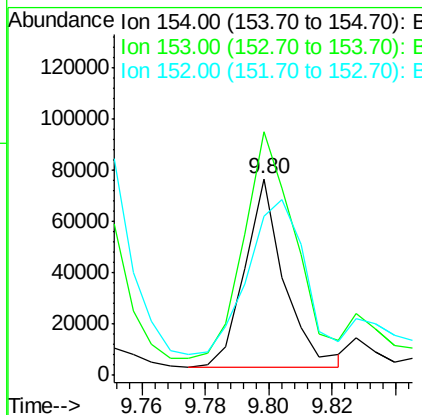
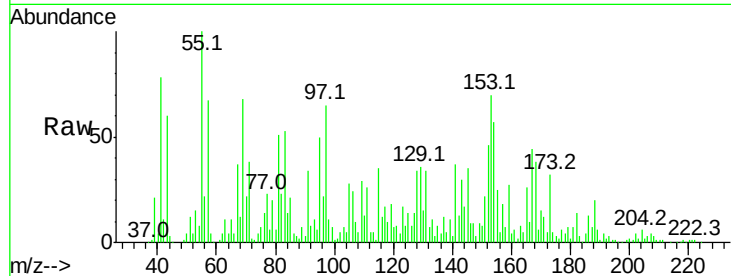
ClientSampleId :

IGW-3

Tot Ion:	154	Resp:	63001
Ion Ratio	Lower	Upper	
154	100		
153	123.7	91.2	136.8
152	80.7	43.8	65.8#

Manual Integrations
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#57

Fluorene

Concen: 11.944 ng

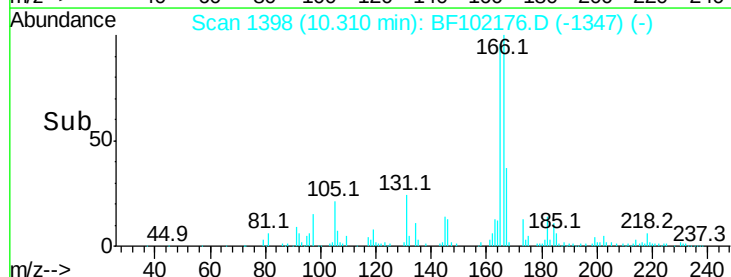
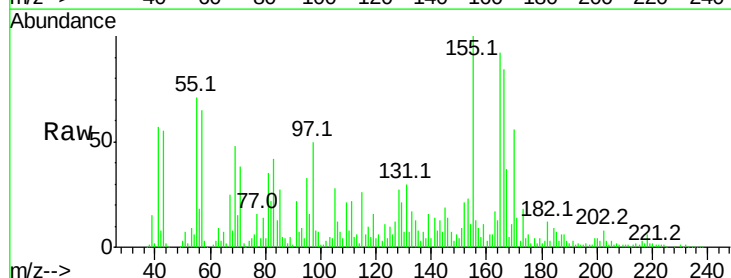
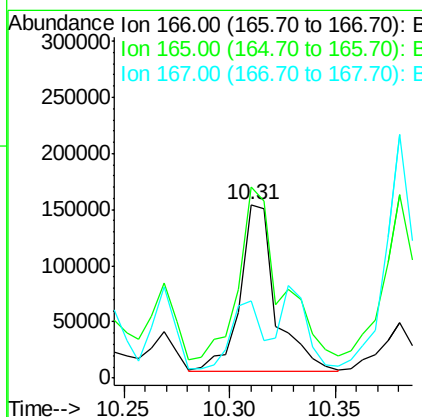
RT: 10.31 min Scan# 1398

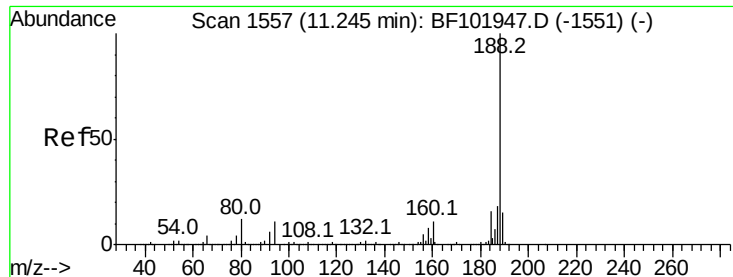
Delta R.T. 0.00 min

Lab File: BF102176.D

Acq: 18 Jan 2018 4:09

Tgt Ion:	166	Resp:	174433
Ion Ratio	Lower	Upper	
166	100		
165	110.2	79.8	119.8
167	44.7	10.6	16.0#





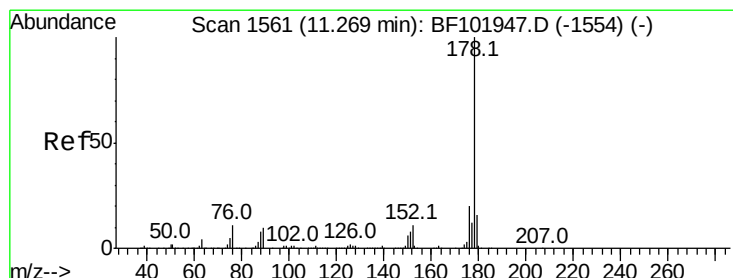
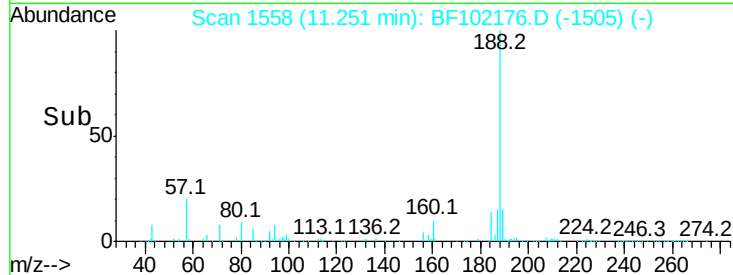
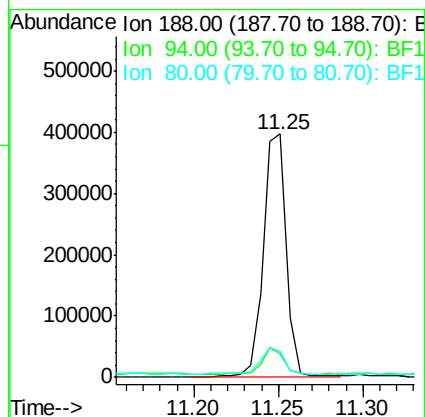
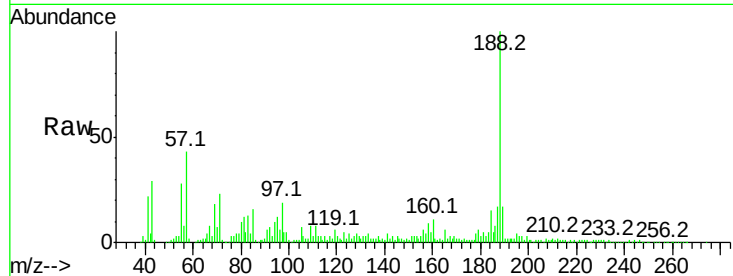
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF102176.D
Acq: 18 Jan 2018 4:09

Instrument :
BNA_F
ClientSampled :
IGW-3

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.8	8.5	12.7
80	10.5	9.2	13.8

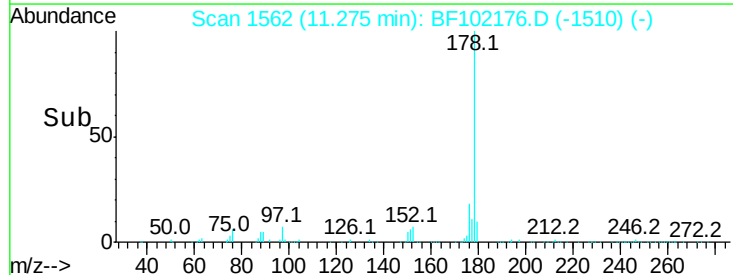
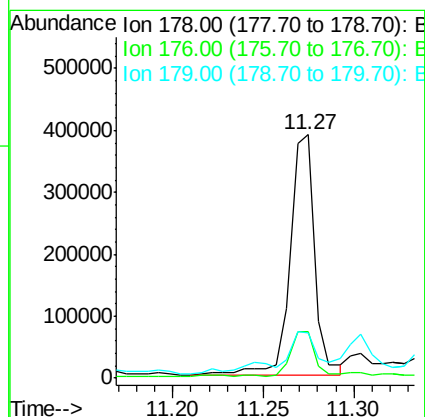
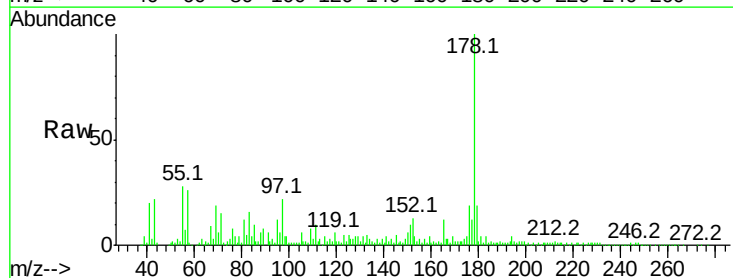
Manual Integrations
APPROVED

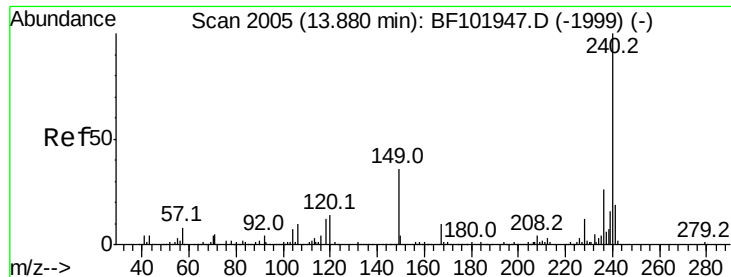
Sohil
1/18/2018 11:12:45 AM



#70
Phenanthrene
Concen: 17.148 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.01 min
Lab File: BF102176.D
Acq: 18 Jan 2018 4:09

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.0	15.8	23.8
179	18.5	13.0	19.6





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF102176.D

Acq: 18 Jan 2018 4:09

Instrument :

BNA_F

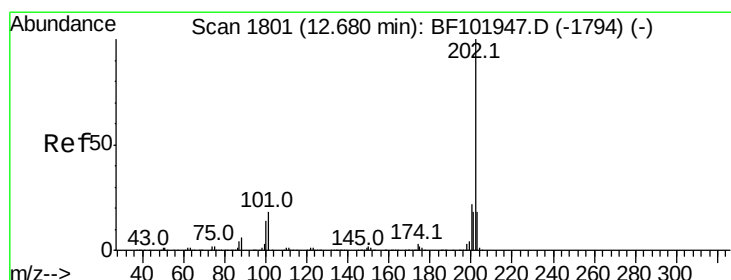
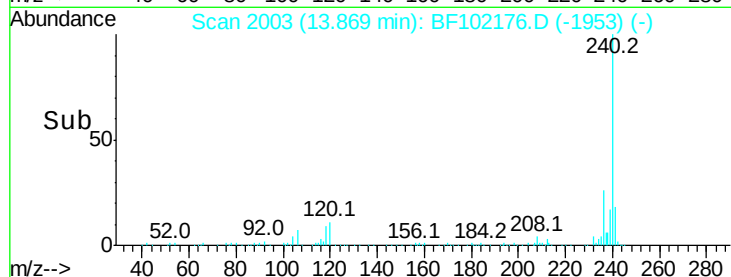
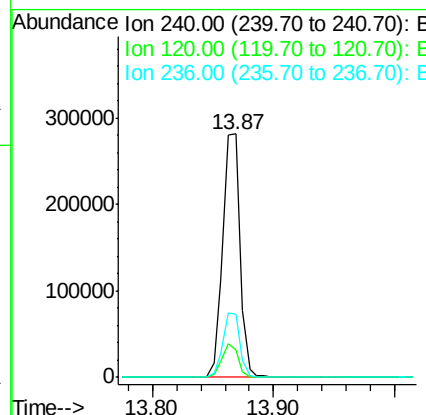
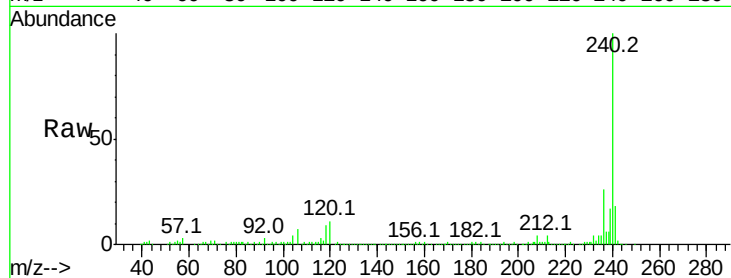
ClientSampleId :

IGW-3

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	11.2	9.5	14.3
236	25.7	20.7	31.1

Manual Integrations
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1/18/2018 11:12:45 AM



#77

Pyrene

Concen: 2.856 ng

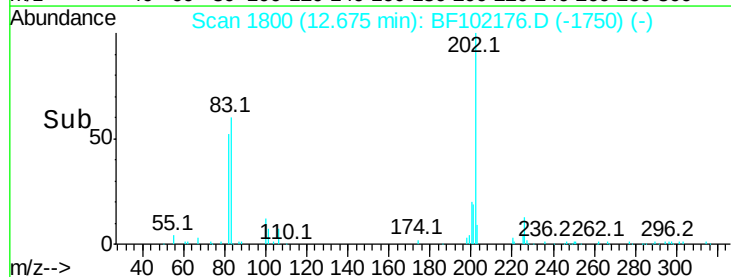
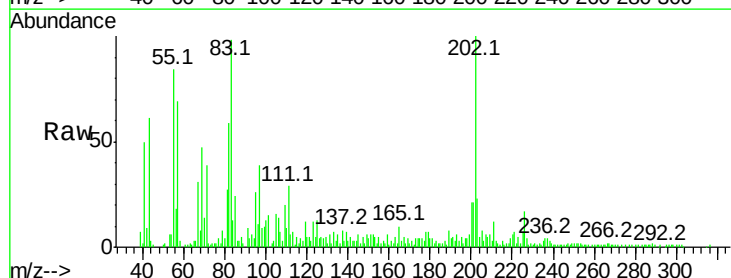
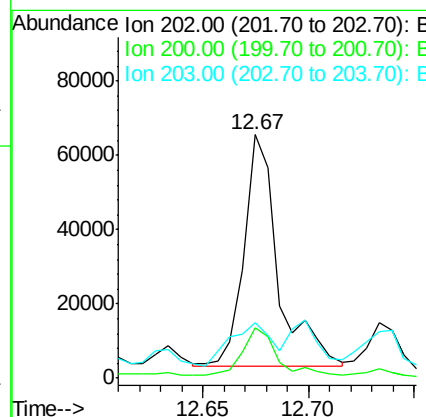
RT: 12.67 min Scan# 1800

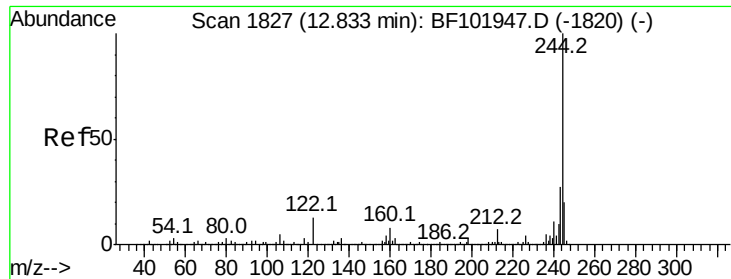
Delta R.T. -0.01 min

Lab File: BF102176.D

Acq: 18 Jan 2018 4:09

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	20.8	17.4	26.2
203	23.0	14.3	21.5





#78

Terphenyl-d14

Concen: 71.317 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF102176.D

Acq: 18 Jan 2018 4:09

Instrument :

BNA_F

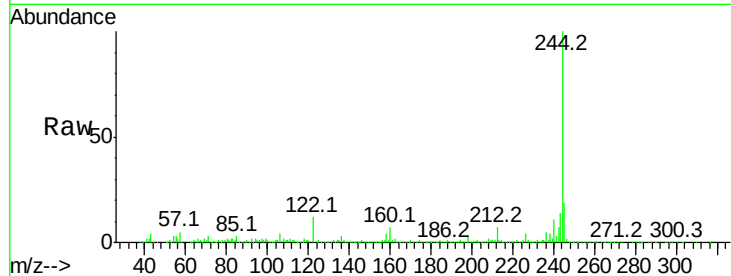
ClientSampled :

IGW-3

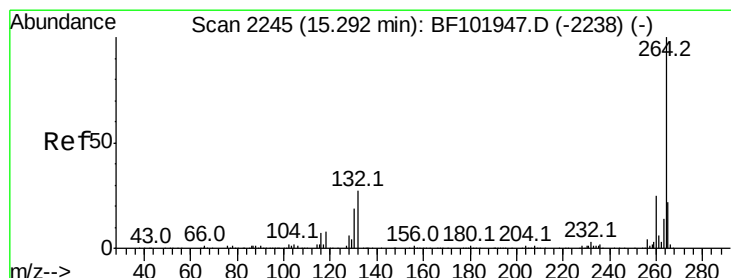
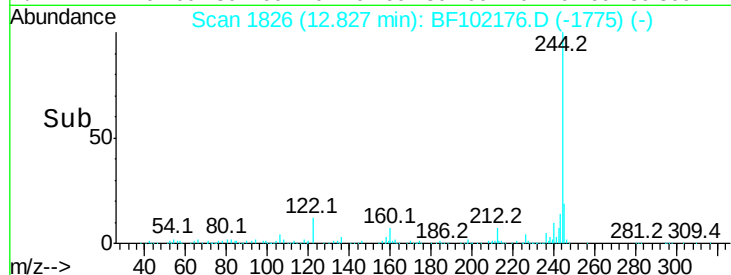
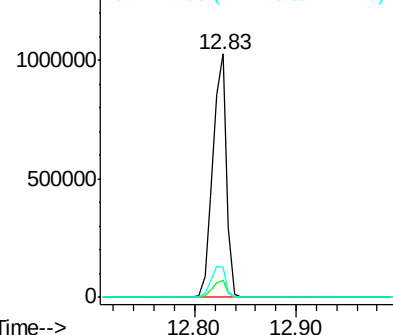
Tot Ion:	244	Resp:	954971
Ion Ratio		Lower	Upper
244	100		
212	7.0	5.4	8.0
122	12.0	11.0	16.4

Manual Integrations
APPROVED

Sohil
1/18/2018 11:12:45 AM



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

Perylene-d12

Concen: 20.000 ng

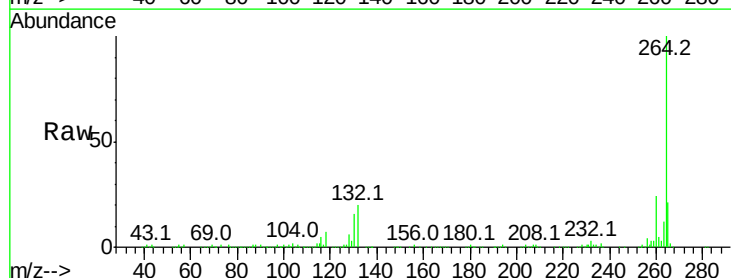
RT: 15.28 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BF102176.D

Acq: 18 Jan 2018 4:09

Tgt Ion:	264	Resp:	274782
Ion Ratio		Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.4	17.5	26.3



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

