

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010918\
 Data File : BF101954.D
 Acq On : 9 Jan 2018 16:09
 Operator : SJ/JU
 Sample : J1018-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-010818

Manual Integrations
 APPROVED

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 1/10/2018 11:44:59 AM

Quant Time: Jan 10 00:23:30 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 15:20:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	248402	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	1031112	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	436591	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	630999	20.00	ng	0.00
75) Chrysene-d12	13.87	240	387383	20.00	ng	0.00
86) Perylene-d12	15.29	264	418559	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1664903	94.64	ng	0.01
7) Phenol-d6	6.36	99	2009388	95.74	ng	0.00
23) Nitrobenzene-d5	7.29	82	1248671	71.16	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	313148	82.19	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	1703361	60.95	ng	0.00
78) Terphenyl-d14	12.83	244	1002857	53.75	ng	0.00
Target Compounds						
10) Phenol	6.37	94	84393	3.558	ng	95
49) Dimethylphthalate	9.48	163	187922	5.366	ng	99
70) Phenanthrene	11.26	178	141718	3.845	ng	99
74) Fluoranthene	12.44	202	163981	4.522	ng	96
77) Pyrene	12.67	202	201099	5.873	ng	98
80) Benzo(a)anthracene	13.86	228	78291m	3.168	ng	
82) Chrysene	13.90	228	84583	3.282	ng	96
85) Indeno(1,2,3-cd)pyrene	16.66	276	44988	2.398	ng	# 93
87) Benzo(b)fluoranthene	14.88	252	85322m	3.126	ng	
89) Benzo(a)pyrene	15.23	252	77131	3.141	ng	# 90
91) Benzo(g,h,i)perylene	17.06	276	51357	2.601	ng	# 91

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

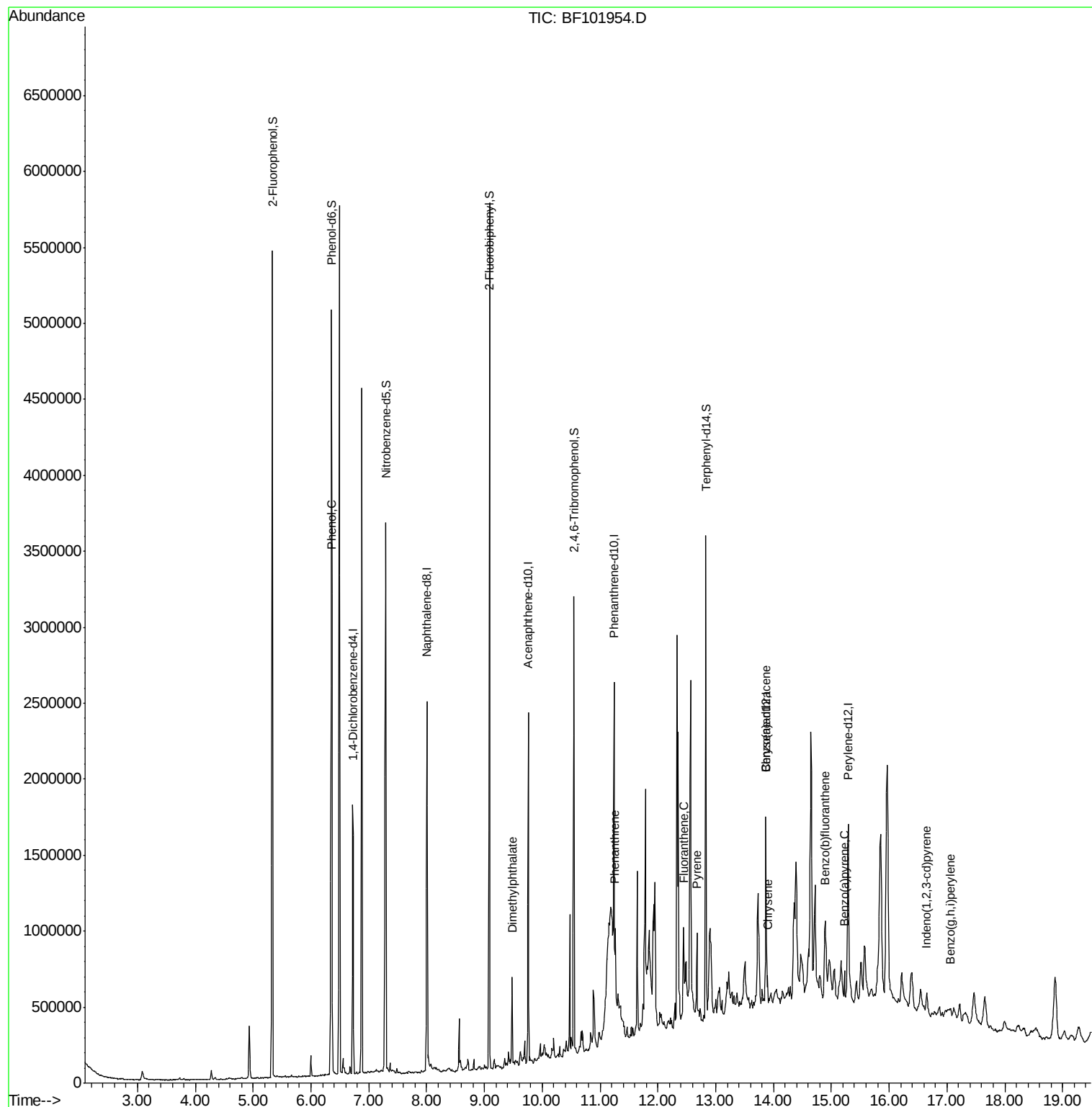
Data Path : Z:\HPCHEM1\BNA F\DATA\BF010918\
Data File : BF101954.D
Acq On : 9 Jan 2018 16:09
Operator : SJ/JU
Sample : J1018-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

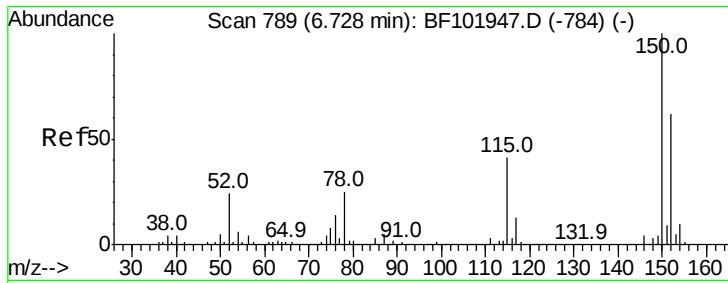
Instrument :
BNA_F
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OR-03-010818

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#1

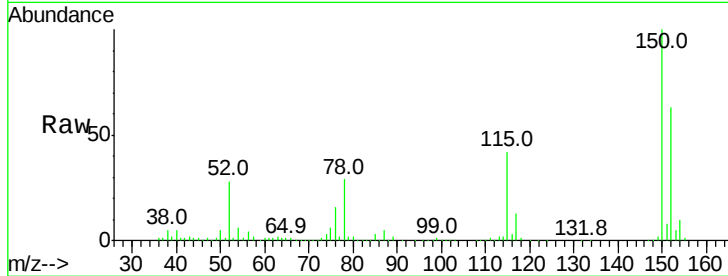
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF101954.D
Acq: 9 Jan 2018 16:09

Instrument :
BNA_F
ClientSampleId :
OR-03-010818

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	124.6	186.8
115	67.1	50.1	75.1

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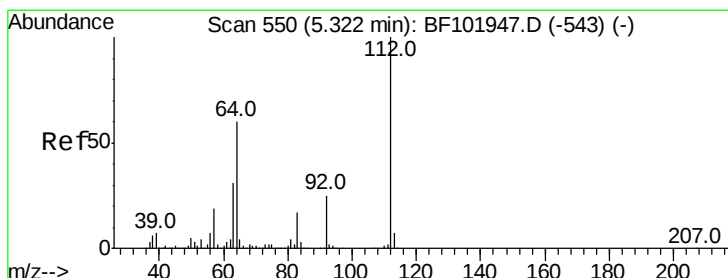
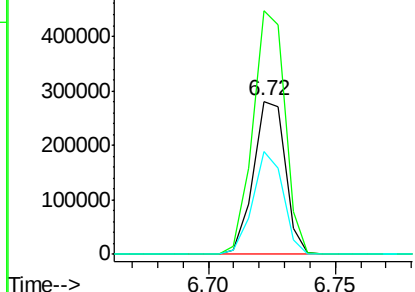
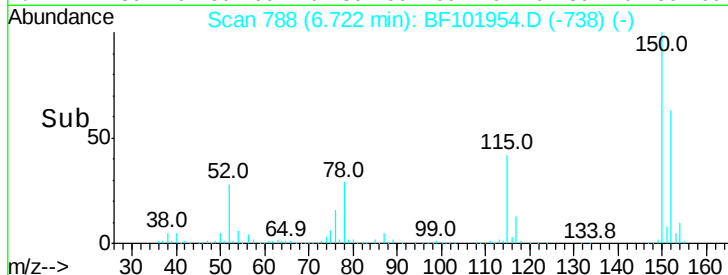


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

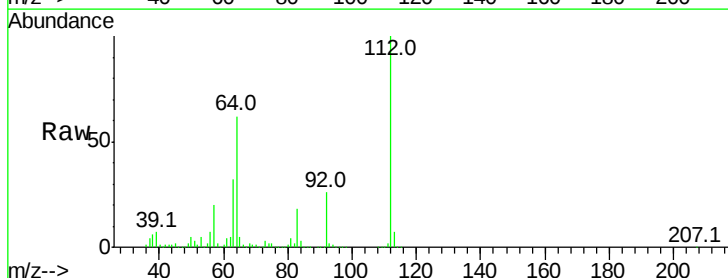
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 94.644 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF101954.D
Acq: 9 Jan 2018 16:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	47.9	71.9
63	31.9	23.7	35.5

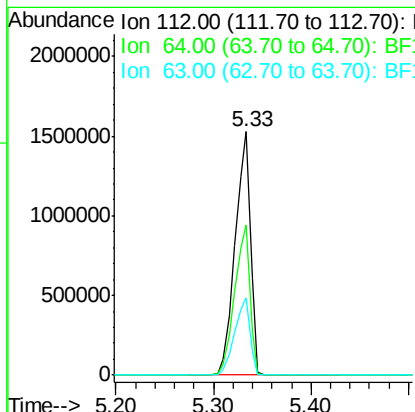
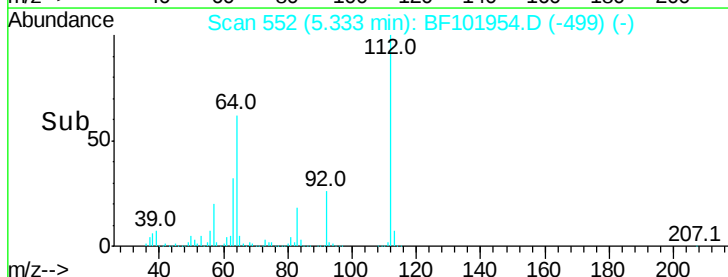


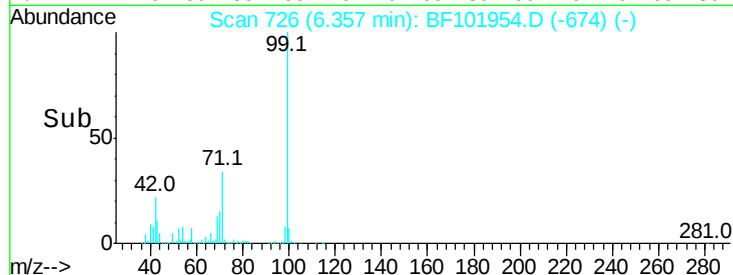
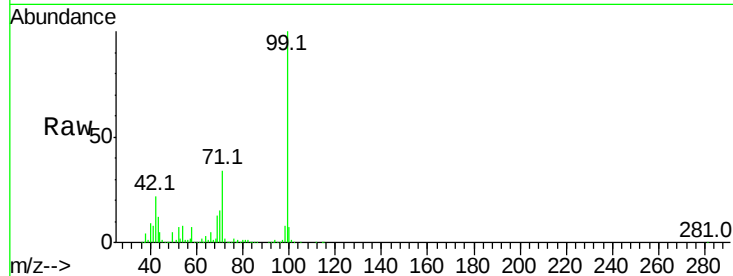
Abundance

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: 95.739 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.01 min

Lab File: BF101954.D

Acq: 9 Jan 2018 16:09

Tot Ion: 99 Resp: 2009388

Ion Ratio Lower Upper

99 100

42 21.6 14.5 21.7

71 34.0 25.4 38.0

Instrument :

BNA_F

ClientSampleId :

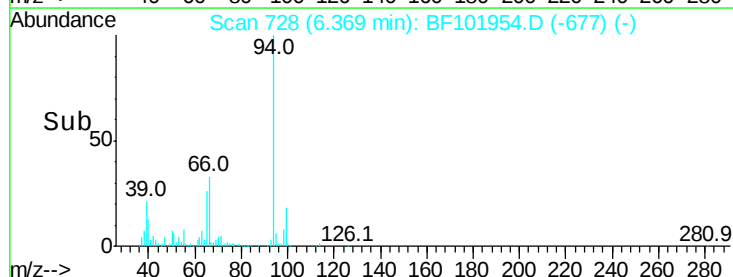
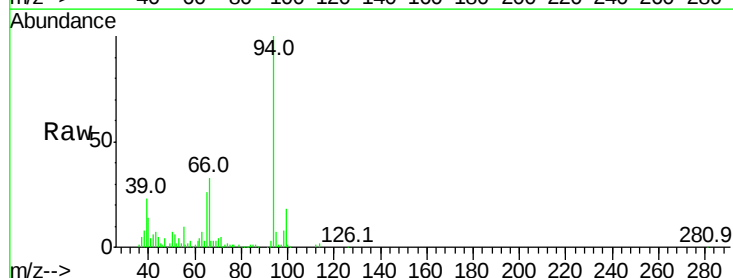
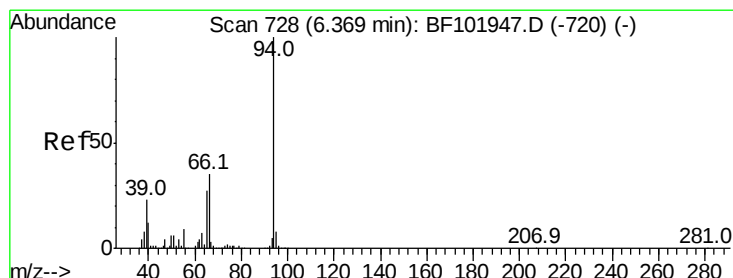
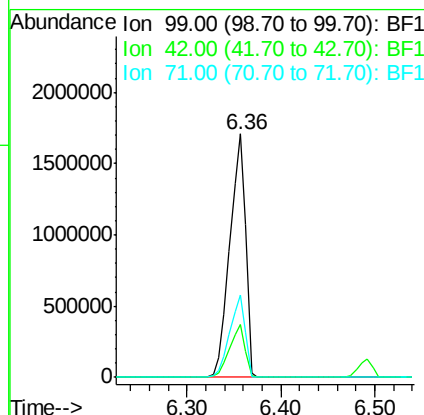
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#10

Phenol

Concen: 3.558 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF101954.D

Acq: 9 Jan 2018 16:09

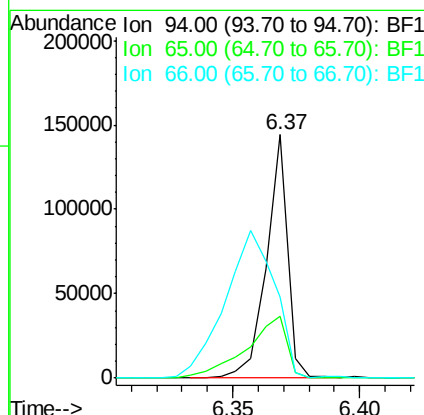
Tgt Ion: 94 Resp: 84393

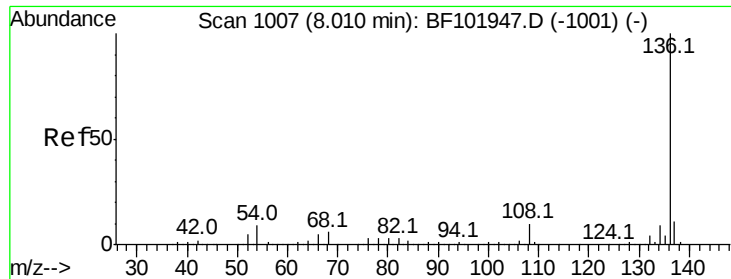
Ion Ratio Lower Upper

94 100

65 25.5 7.9 47.9

66 33.1 16.2 56.2





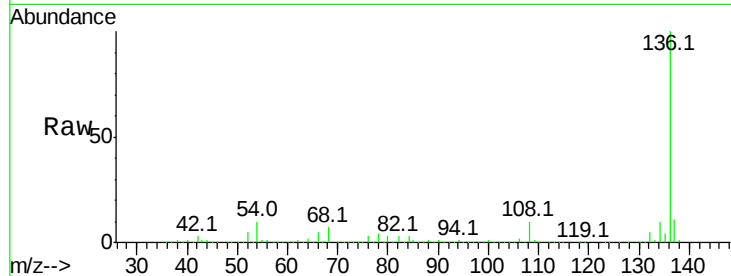
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF101954.D
Acq: 9 Jan 2018 16:09

Instrument :
BNA_F
ClientSampleId :
OR-03-010818

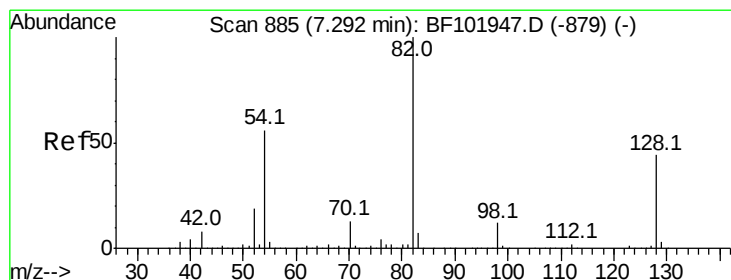
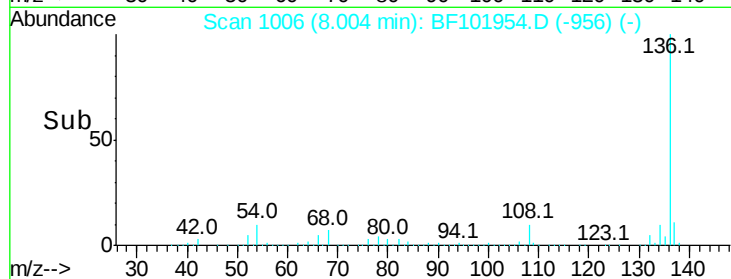
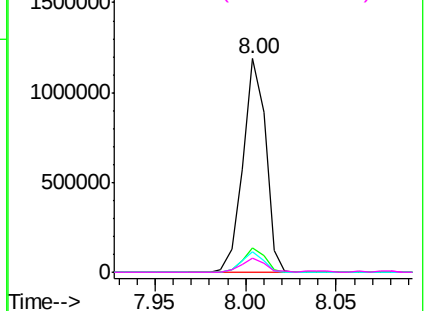
Tot Ion	136	Resp	1031112
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.6	6.6	9.8
68	6.9	5.0	7.4

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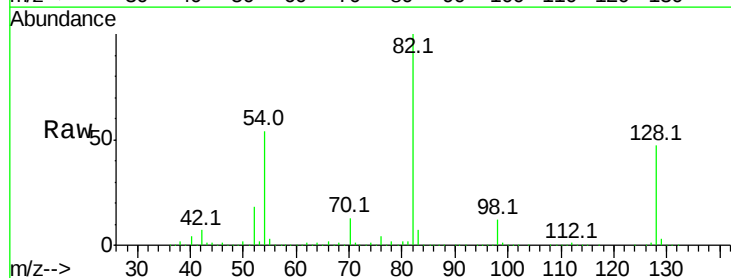


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

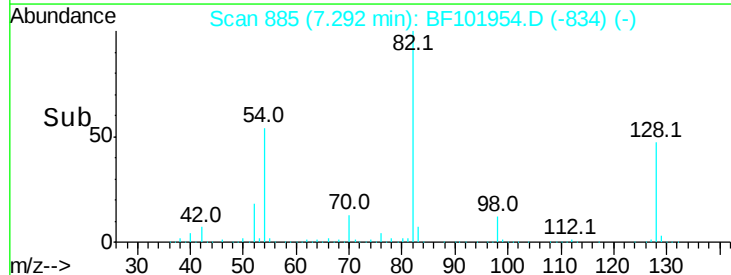
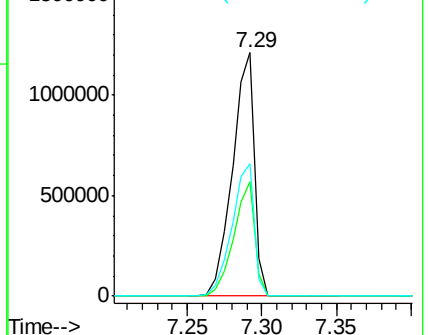


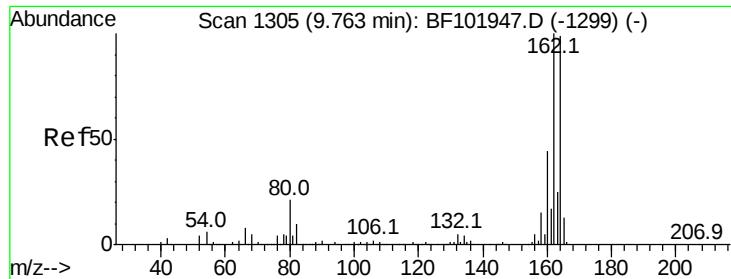
#23
Nitrobenzene-d5
Concen: 71.163 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.00 min
Lab File: BF101954.D
Acq: 9 Jan 2018 16:09

Tgt Ion	82	Resp	1248671
Ion	Ratio	Lower	Upper
82	100		
128	47.0	36.1	54.1
54	54.2	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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF101954.D

Acq: 9 Jan 2018 16:09

Instrument :

BNA_F

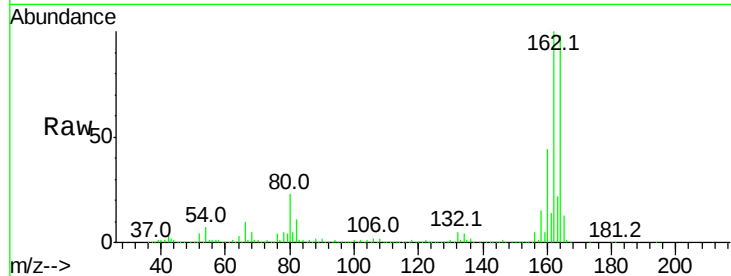
ClientSampleId :

OR-03-010818

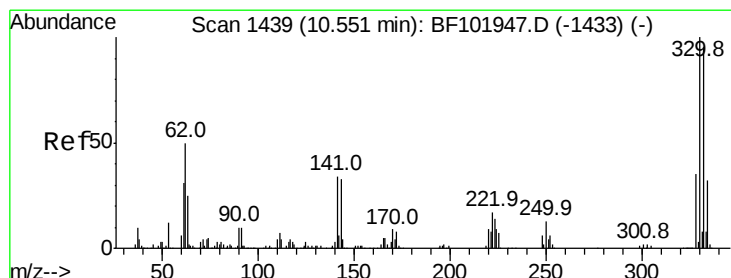
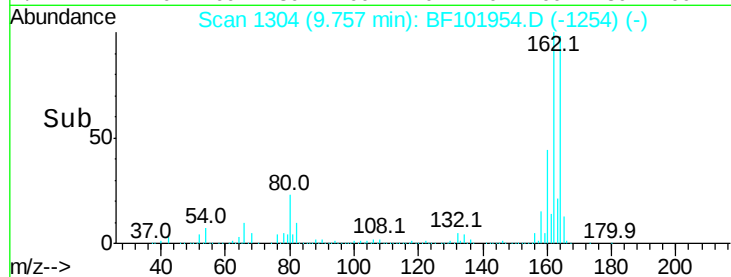
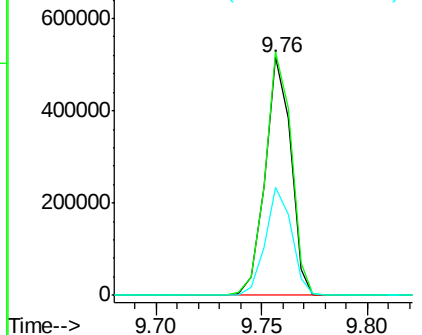
Tot Ion:	164	Resp:	436591
Ion Ratio	Lower	Upper	
164	100		
162	102.3	86.1	129.1
160	45.5	38.3	57.5

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 82.189 ng

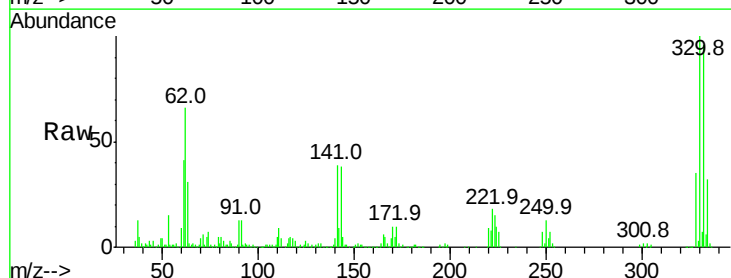
RT: 10.54 min Scan# 1438

Delta R.T. -0.01 min

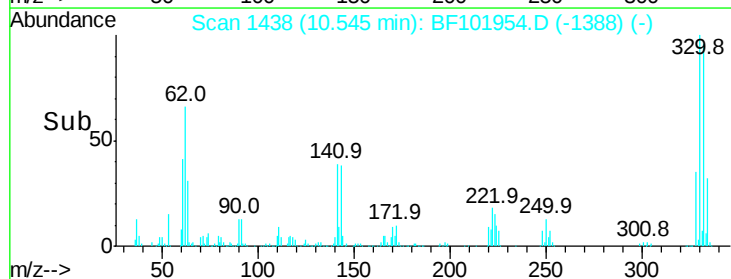
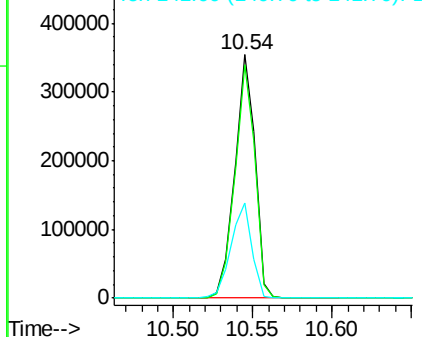
Lab File: BF101954.D

Acq: 9 Jan 2018 16:09

Tgt Ion:	330	Resp:	313148
Ion Ratio	Lower	Upper	
330	100		
332	95.2	77.0	115.6
141	40.2	29.9	44.9



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





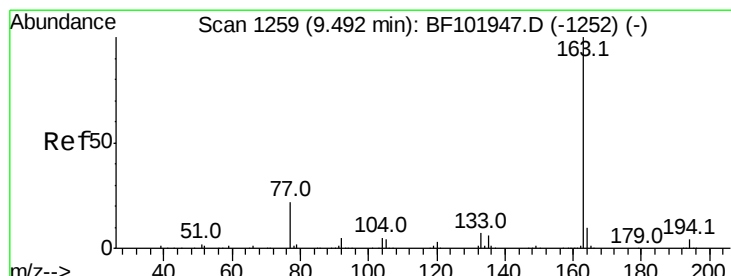
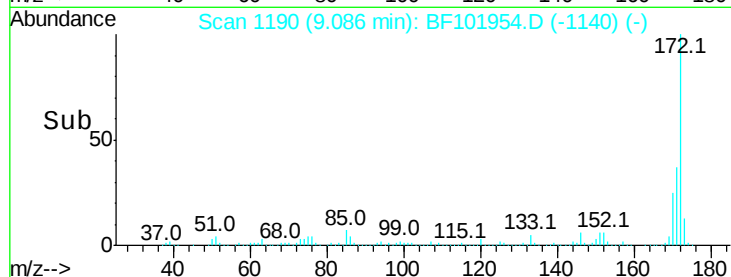
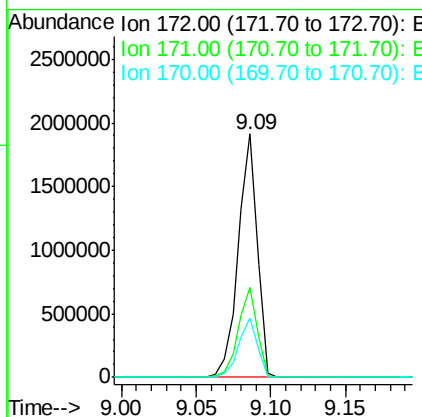
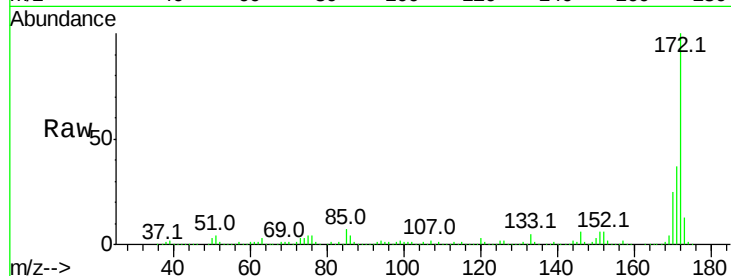
#44
2-Fluorobiphenyl
Concen: 60.952 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF101954.D
Acq: 9 Jan 2018 16:09

Instrument :
BNA_F
ClientSampleId :
OR-03-010818

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.6	19.6	29.4

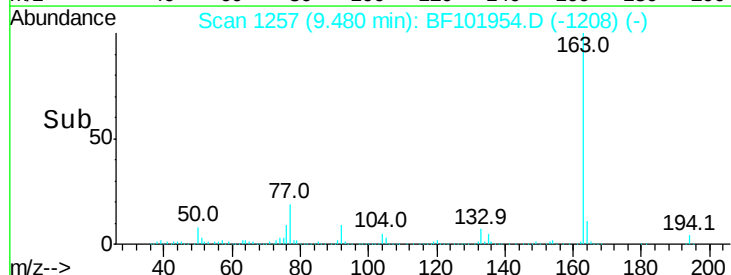
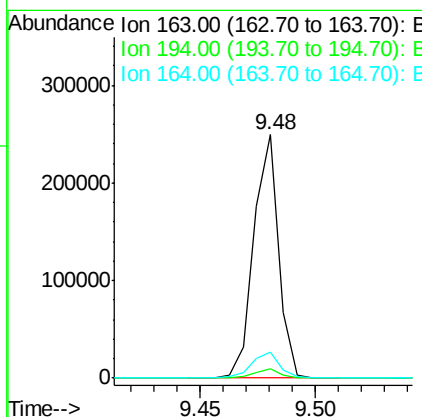
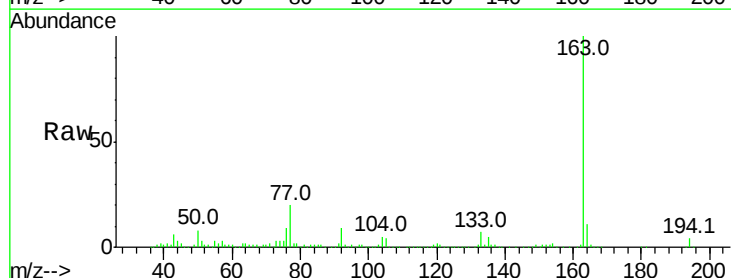
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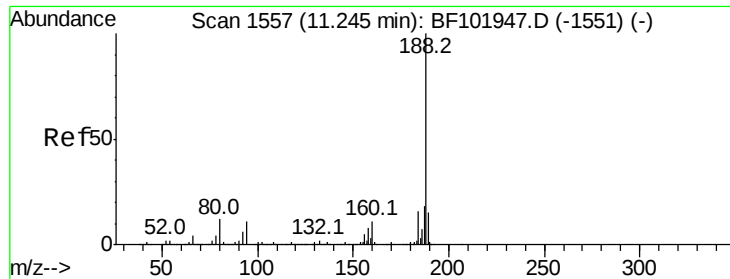
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#49
Dimethylphthalate
Concen: 5.366 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF101954.D
Acq: 9 Jan 2018 16:09

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	10.8	8.2	12.2





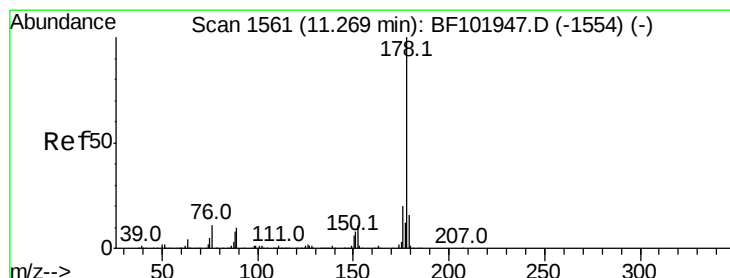
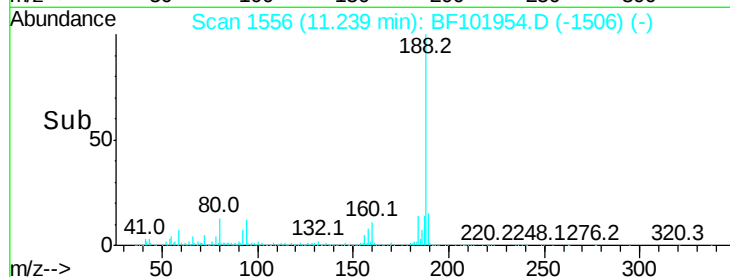
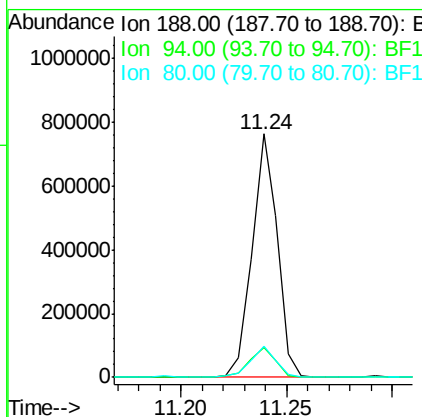
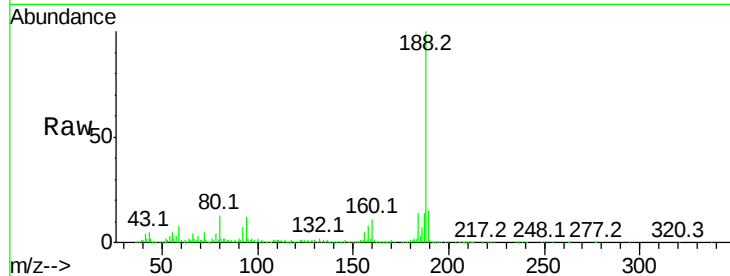
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF101954.D
Acq: 9 Jan 2018 16:09

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	12.1	8.5	12.7
80	12.7	9.2	13.8

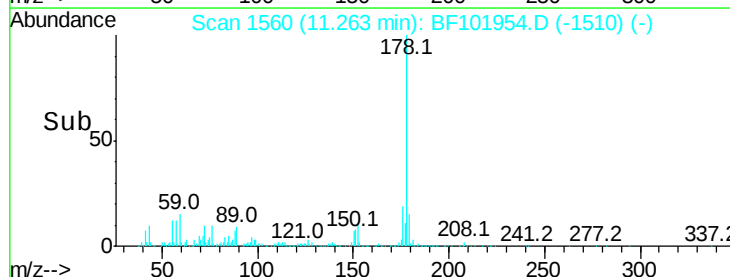
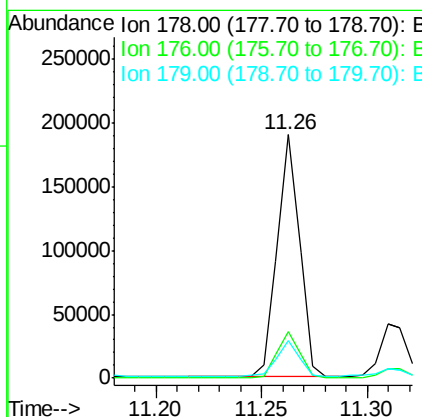
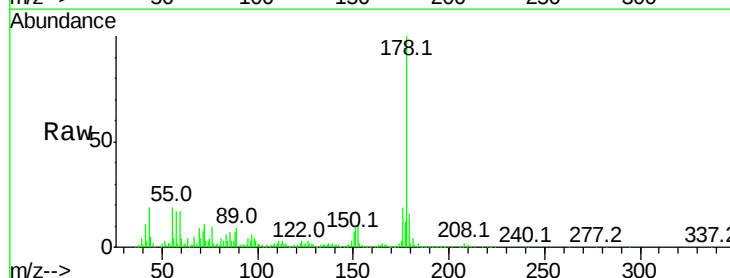
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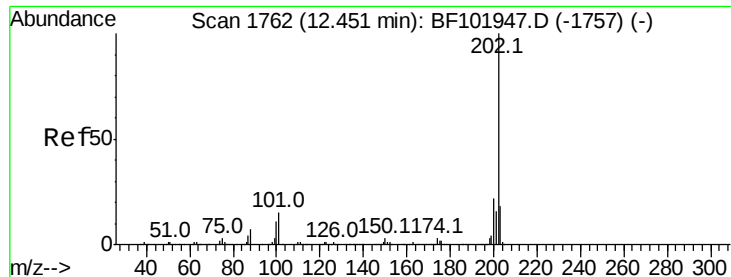
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#70
Phenanthrene
Concen: 3.845 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF101954.D
Acq: 9 Jan 2018 16:09

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.6	13.0	19.6





#74

Fluoranthene

Concen: 4.522 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF101954.D

Acq: 9 Jan 2018 16:09

Instrument :

BNA_F

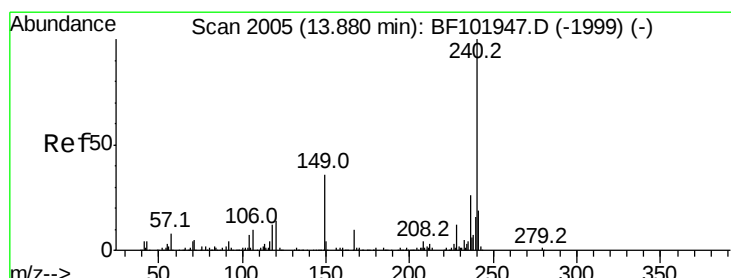
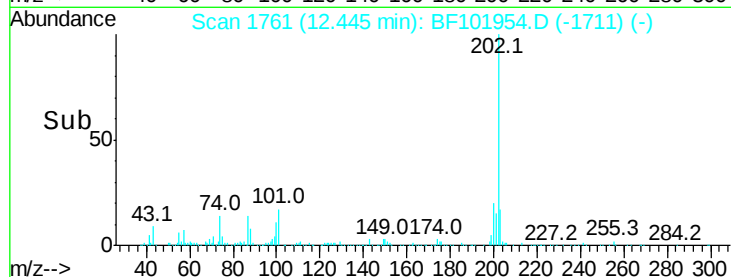
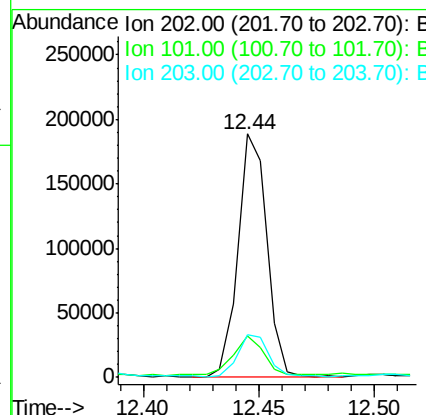
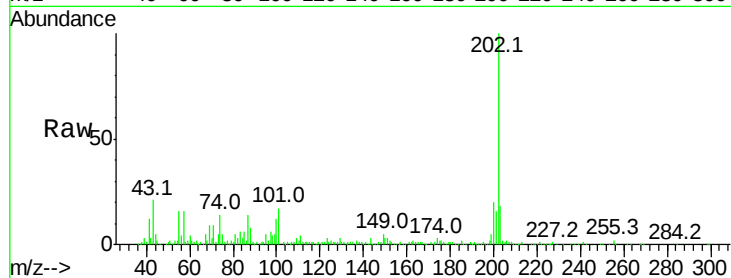
ClientSampleId :

OR-03-010818

Tot Ion:	202	Resp:	163981
Ion Ratio		Lower	Upper
202	100		
101	17.1	0.0	34.1
203	17.5	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

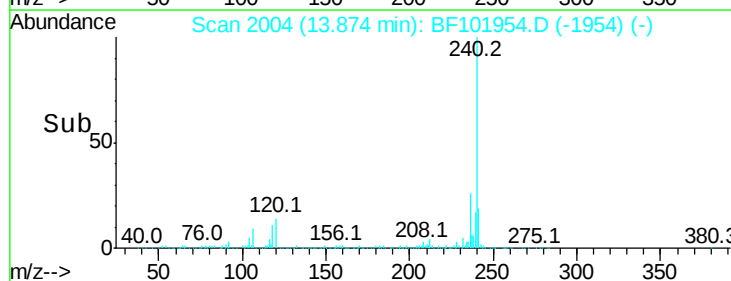
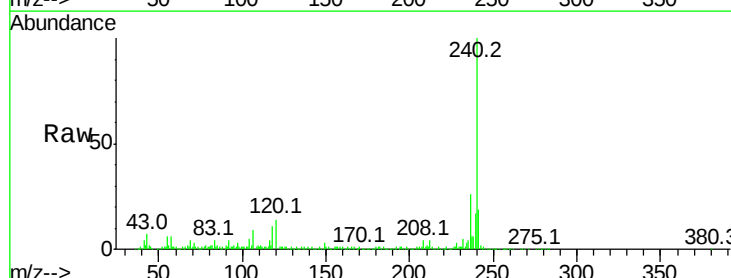
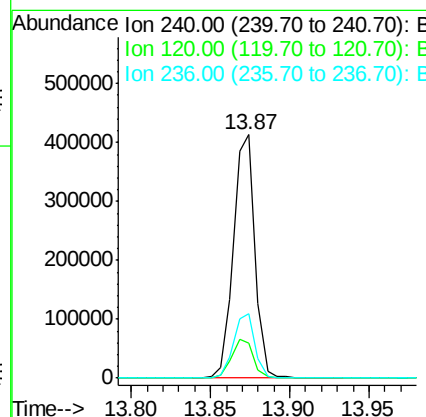
RT: 13.87 min Scan# 2004

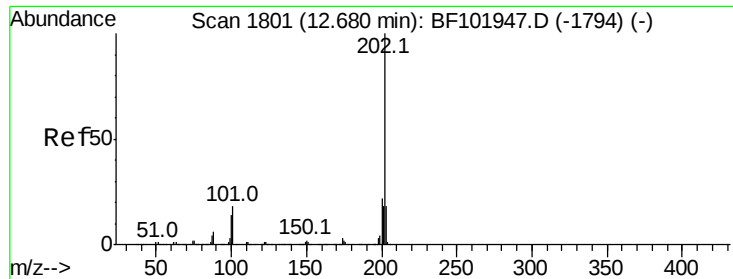
Delta R.T. -0.01 min

Lab File: BF101954.D

Acq: 9 Jan 2018 16:09

Tgt Ion:	240	Resp:	387383
Ion Ratio		Lower	Upper
240	100		
120	14.2	9.5	14.3
236	26.4	20.7	31.1





#77

Pvrene

Concen: 5.873 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF101954.D

Acq: 9 Jan 2018 16:09

Instrument :

BNA_F

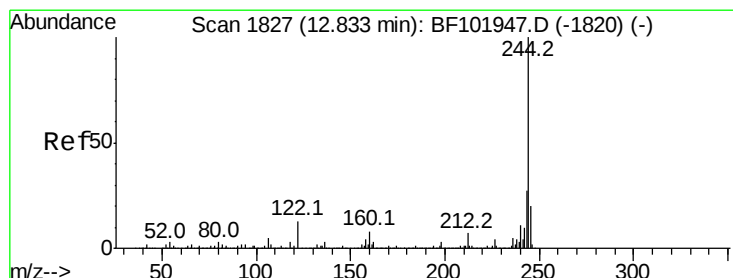
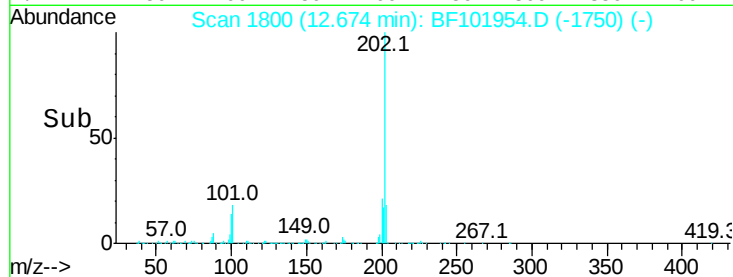
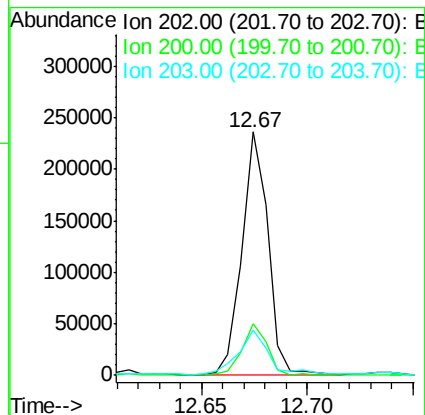
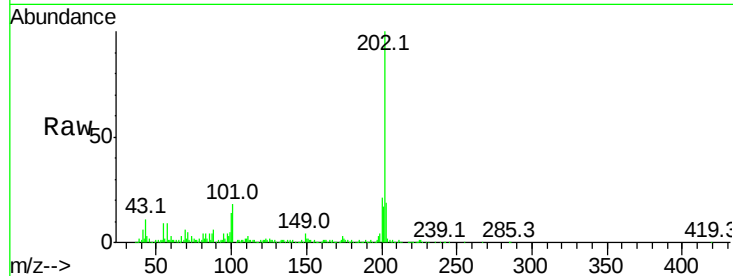
ClientSampleId :

OR-03-010818

Tot Ion:	202	Resp:	201099
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.4	26.2
203	18.5	14.3	21.5

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#78

Terphenyl-d14

Concen: 53.750 ng

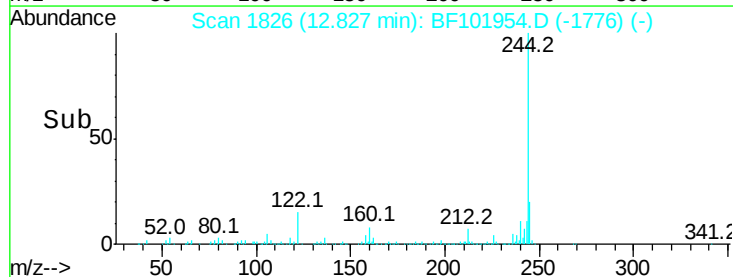
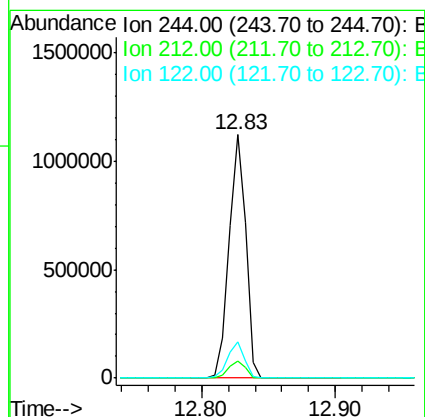
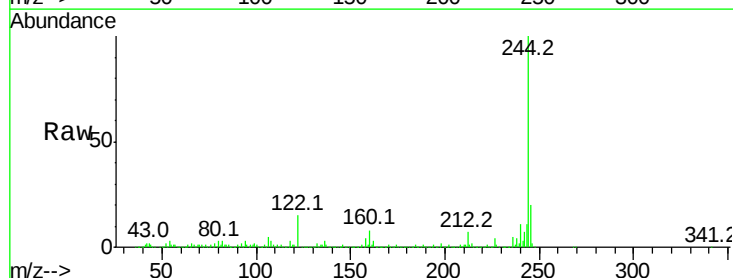
RT: 12.83 min Scan# 1826

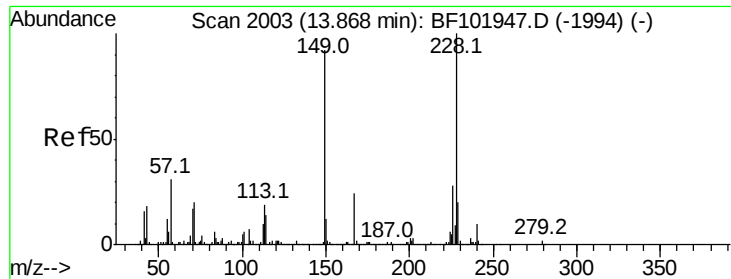
Delta R.T. -0.01 min

Lab File: BF101954.D

Acq: 9 Jan 2018 16:09

Tgt Ion:	244	Resp:	1002857
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.4	8.0
122	14.7	11.0	16.4





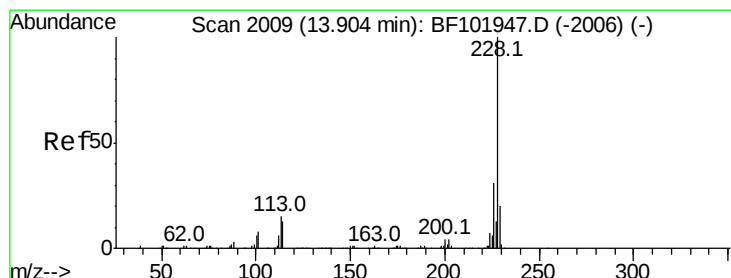
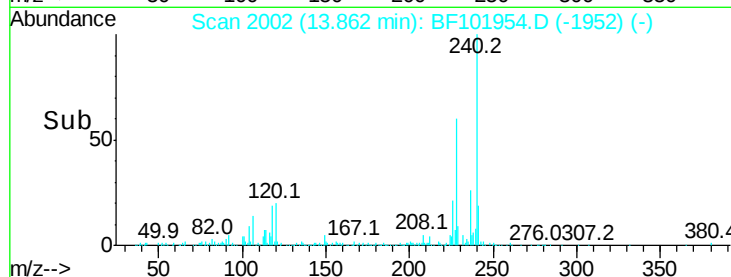
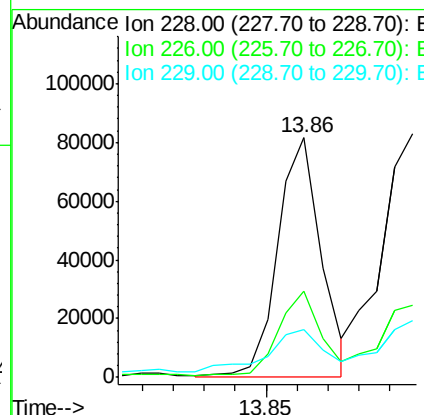
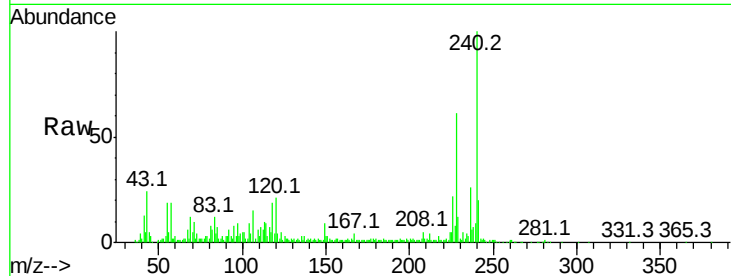
#80
Benzo(a)anthracene
Concen: 3.168 ng m
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF101954.D
Acq: 9 Jan 2018 16:09

Instrument :
BNA_F
ClientSampleId :
OR-03-010818

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.8	22.6	33.8
229	19.8	15.8	23.6

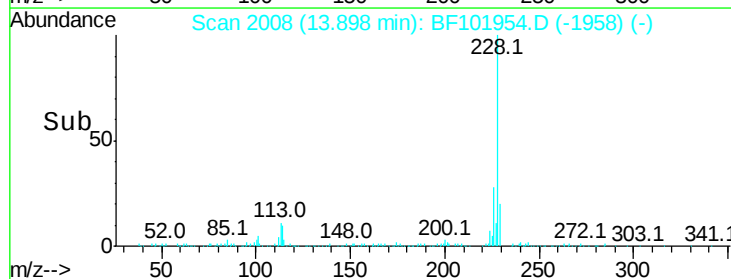
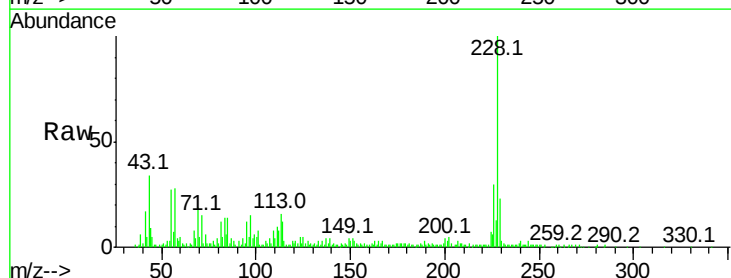
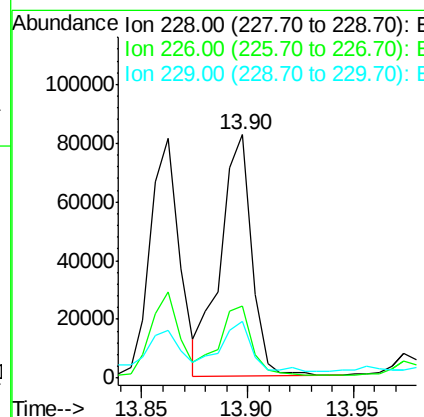
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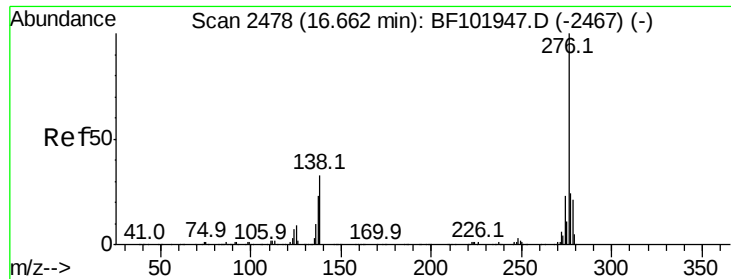
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#82
Chrysene
Concen: 3.282 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF101954.D
Acq: 9 Jan 2018 16:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	23.3	16.2	24.4





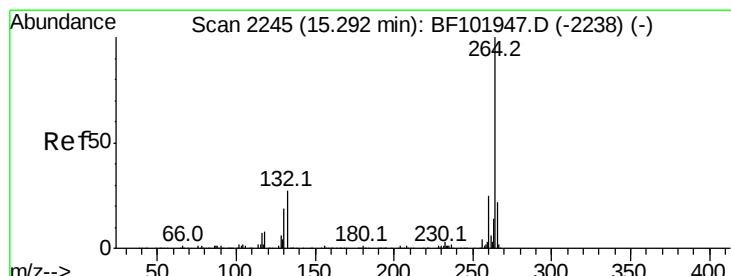
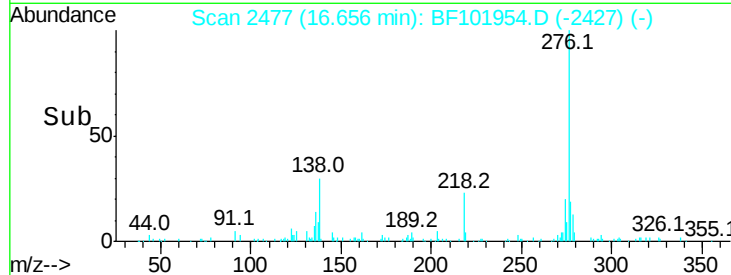
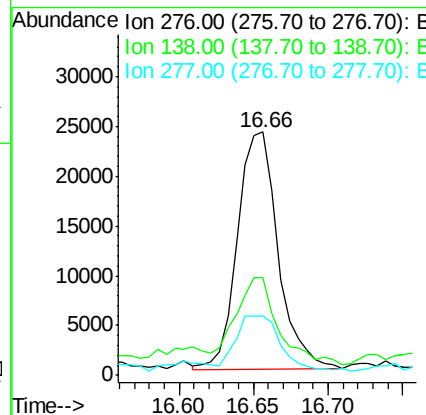
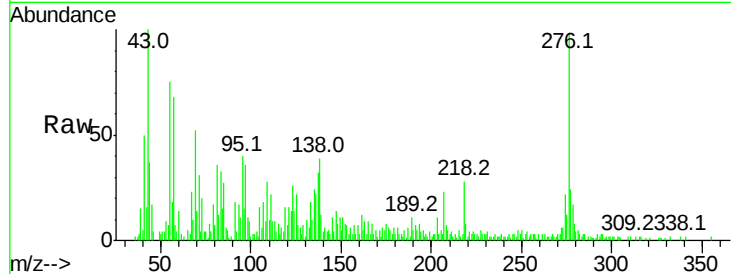
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.398 ng
 RT: 16.66 min Scan# 2477
 Delta R.T. -0.01 min
 Lab File: BF101954.D
 Acq: 9 Jan 2018 16:09

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-010818

Tot Ion:	276	Resp:	44988
Ion Ratio	Lower	Upper	
276	100		
138	38.2	25.0	37.6#
277	25.6	20.1	30.1

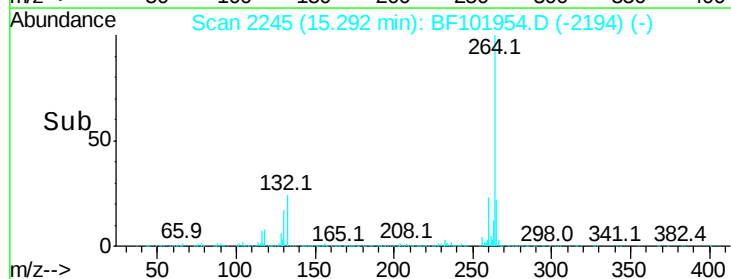
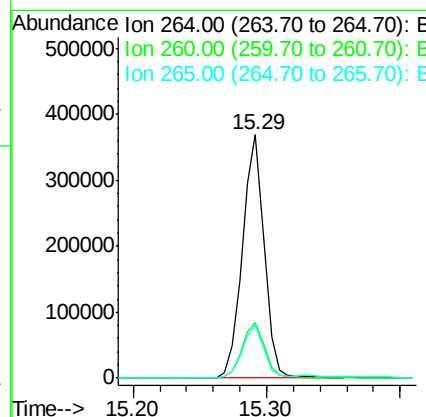
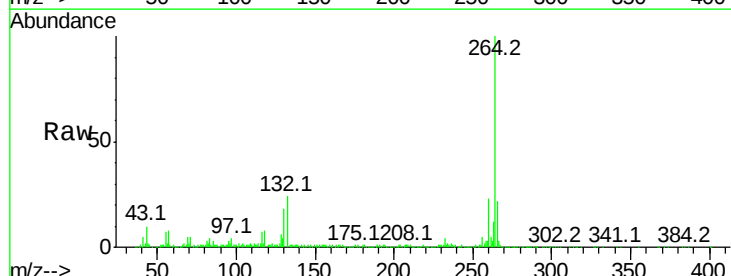
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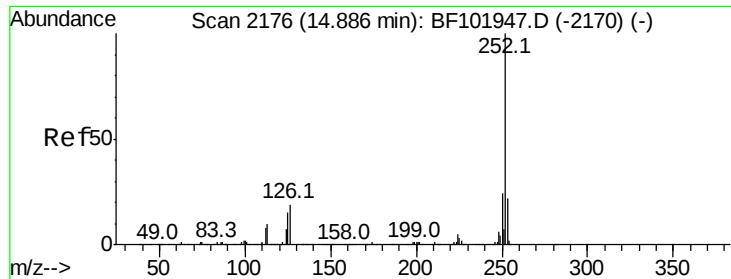
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.29 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: BF101954.D
 Acq: 9 Jan 2018 16:09

Tgt Ion:	264	Resp:	418559
Ion Ratio	Lower	Upper	
264	100		
260	23.0	19.2	28.8
265	22.0	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 3.126 ng

RT: 14.88 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BF101954.D

Acq: 9 Jan 2018 16:09

Instrument :

BNA_F

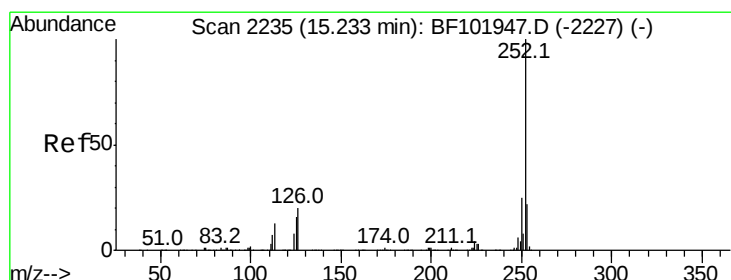
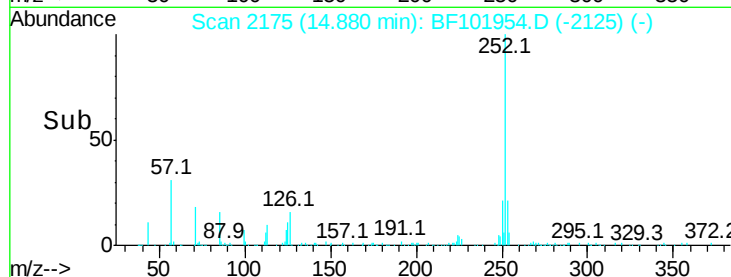
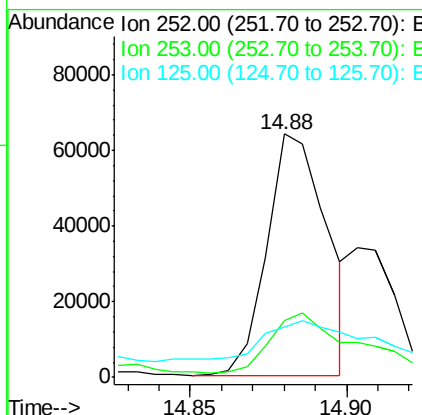
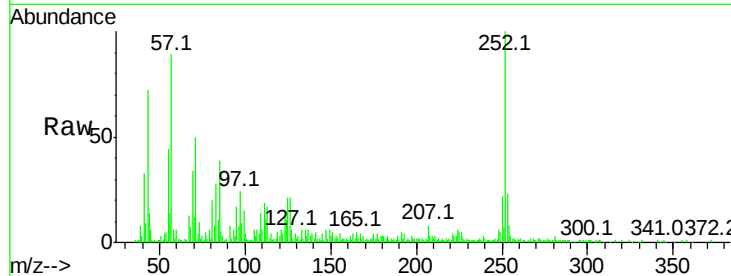
ClientSampleId :

OR-03-010818

Tot Ion:	252	Resp:	85322
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.0	25.6
125	20.6	9.0	13.6#

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#89

Benzo(a)pyrene

Concen: 3.141 ng

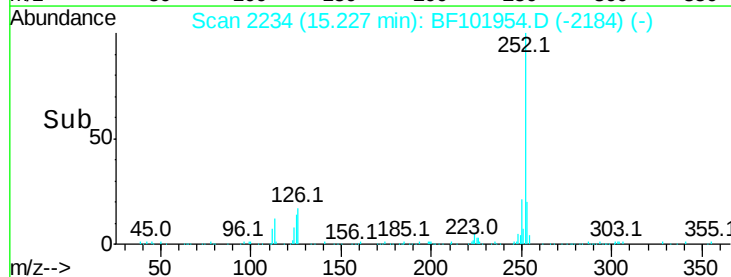
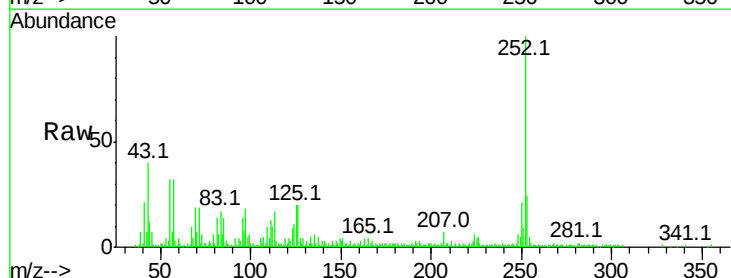
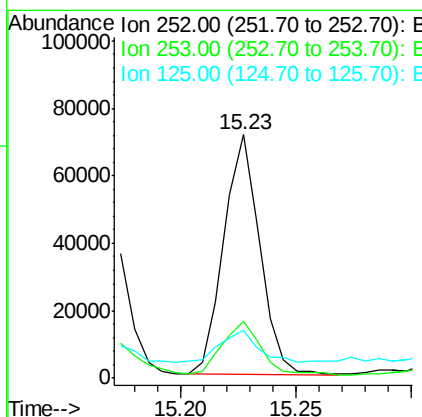
RT: 15.23 min Scan# 2234

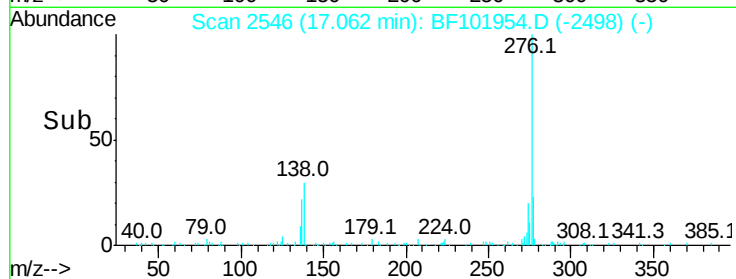
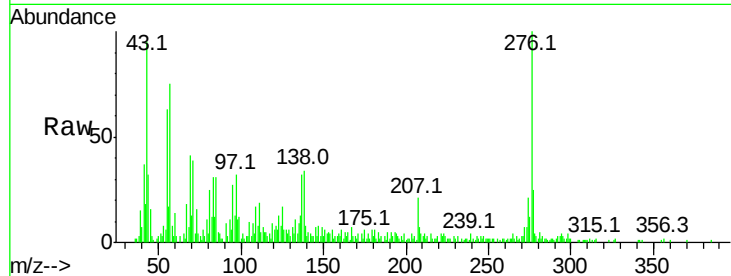
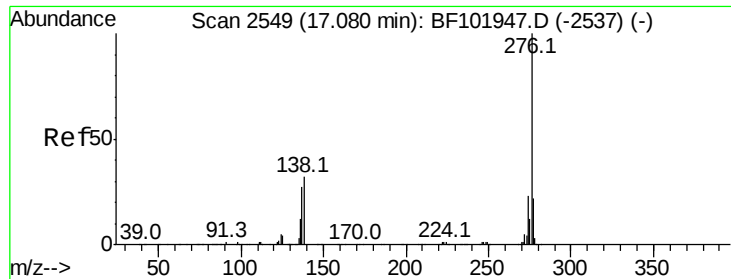
Delta R.T. -0.01 min

Lab File: BF101954.D

Acq: 9 Jan 2018 16:09

Tgt Ion:	252	Resp:	77131
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.1	25.7
125	19.7	9.8	14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 2.601 ng
 RT: 17.06 min Scan# 2546
 Delta R.T. -0.02 min
 Lab File: BF101954.D
 Acq: 9 Jan 2018 16:09

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-010818

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.3	17.9	26.9
138	33.7	21.8	32.8

Manual Integrations
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