

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013118\
 Data File : BF102667.D
 Acq On : 31 Jan 2018 20:57
 Operator : SJ/JU
 Sample : J1016-07 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-013018

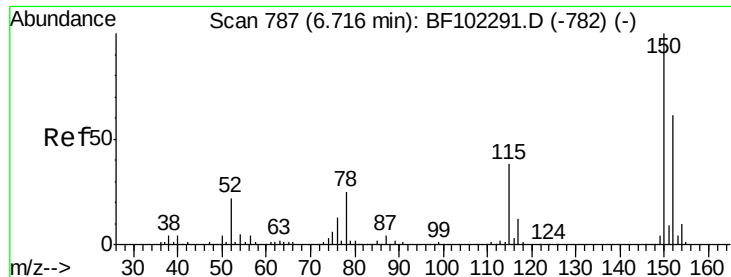
Manual Integrations
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 2/1/2018 12:14:15 PM

Quant Time: Feb 01 00:44:43 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 18:38:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	156298	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	647060	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	264139	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	369718	20.00	ng	0.00
75) Chrysene-d12	13.86	240	292280	20.00	ng	0.00
86) Perylene-d12	15.29	264	221065	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	586486	56.90	ng	0.00
7) Phenol-d6	6.35	99	703540	56.61	ng	0.00
23) Nitrobenzene-d5	7.27	82	415515	36.90	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	109485	41.83	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	696739	38.78	ng	0.00
78) Terphenyl-d14	12.80	244	449171	34.64	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.46	163	95268	4.364	ng	Qvalue 100
57) Fluorene	10.29	166	44828	2.502	ng	94
70) Phenanthrene	11.25	178	274779	12.754	ng	97
71) Anthracene	11.30	178	74577	3.391	ng	96
74) Fluoranthene	12.44	202	270001	12.290	ng	98
77) Pyrene	12.67	202	280798	12.426	ng	99
80) Benzo(a)anthracene	13.86	228	116171	6.456	ng	95
82) Chrysene	13.89	228	118293	6.473	ng	98
85) Indeno(1,2,3-cd)pyrene	16.70	276	34000	2.253	ng	98
87) Benzo(b)fluoranthene	14.89	252	109846m	7.666	ng	
88) Benzo(k)fluoranthene	14.91	252	30447m	2.249	ng	
89) Benzo(a)pyrene	15.23	252	75745	5.861	ng	# 88
91) Benzo(a,h,i)perylene	17.12	276	37528	3.631	ng	# 92

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



#1

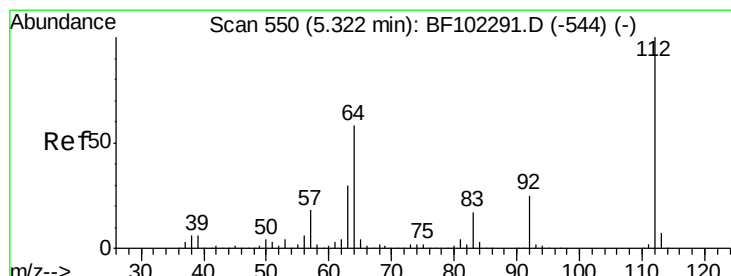
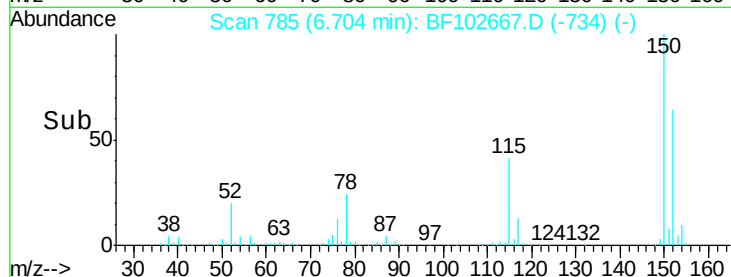
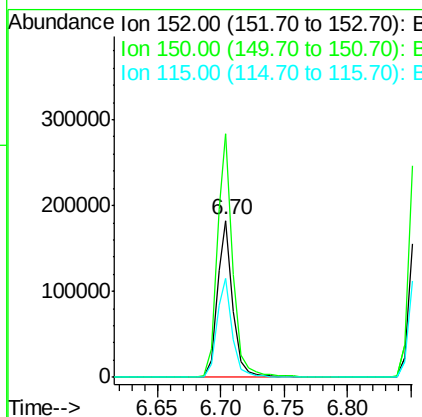
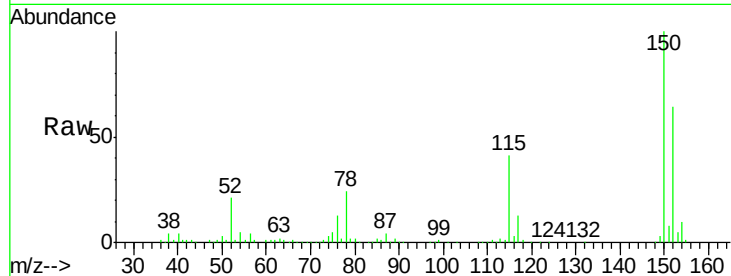
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF102667.D
Acq: 31 Jan 2018 20:57

Instrument :
BNA_F
ClientSampleId :
OK-03-013018

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.6	186.8
115	62.8	50.1	75.1

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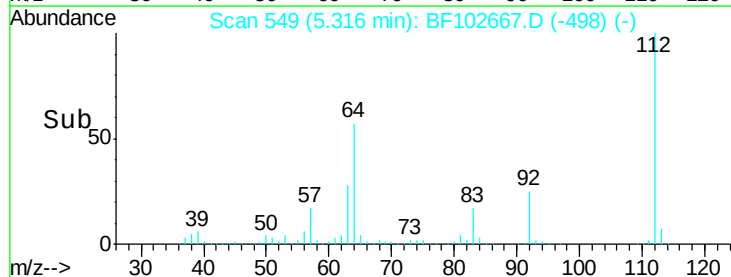
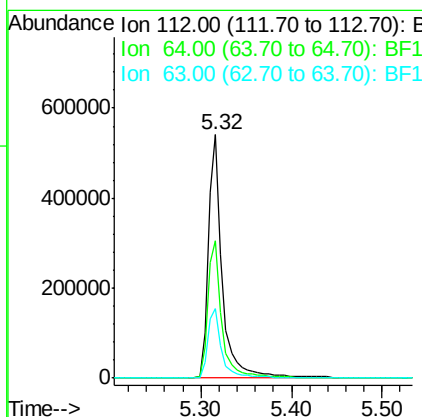
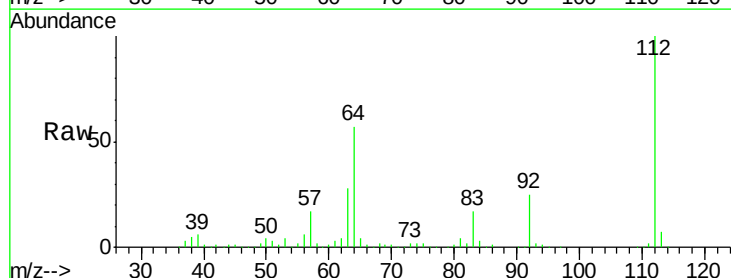
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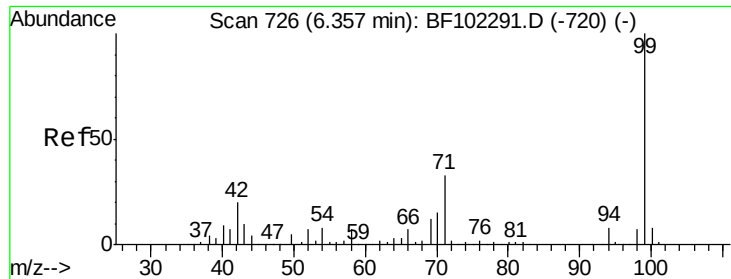


#5

2-Fluorophenol
Concen: 56.896 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF102667.D
Acq: 31 Jan 2018 20:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	47.9	71.9
63	28.3	23.7	35.5





#7

Phenol-d6

Concen: 56.612 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF102667.D

Acq: 31 Jan 2018 20:57

Instrument :

BNA_F

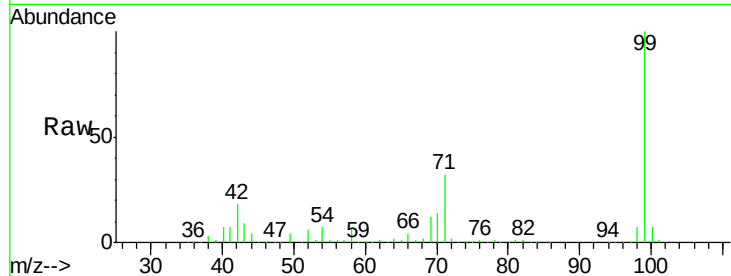
ClientSampleId :

OK-03-013018

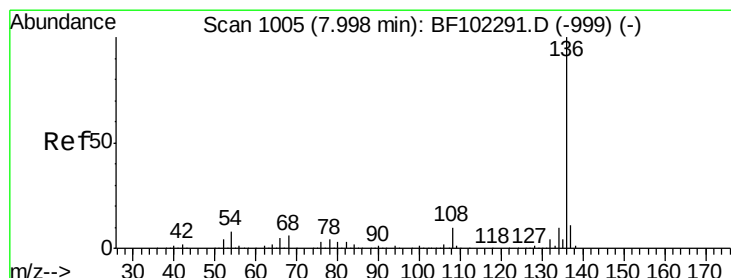
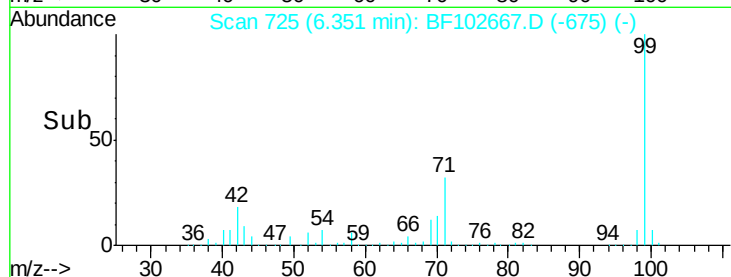
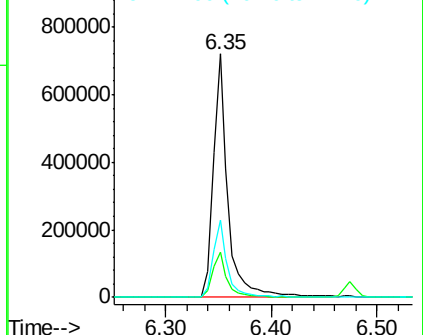
Tot Ion:	99	Resp:	703540
Ion Ratio	Lower	Upper	
99	100		
42	18.5	14.5	21.7
71	31.6	25.4	38.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

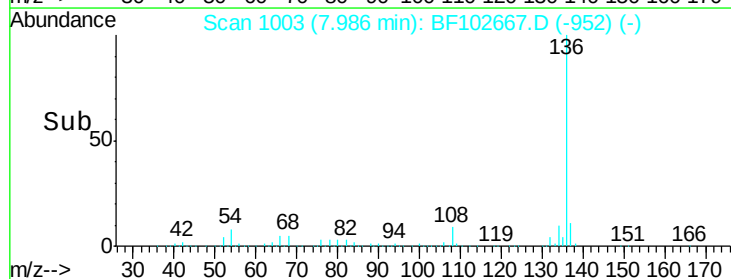
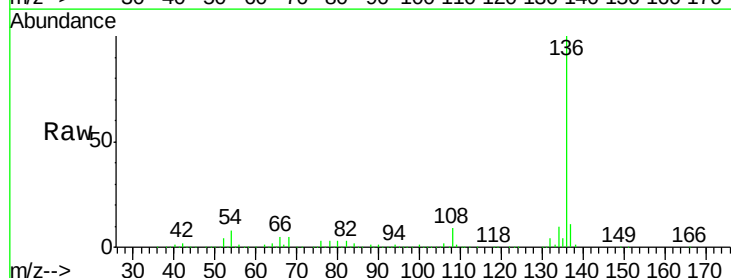
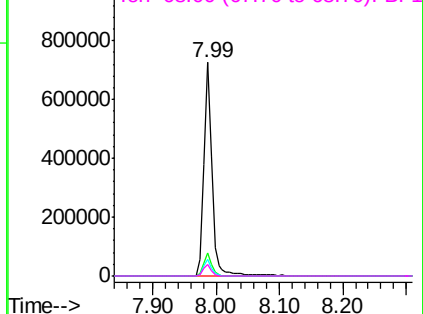
Delta R.T. 0.00 min

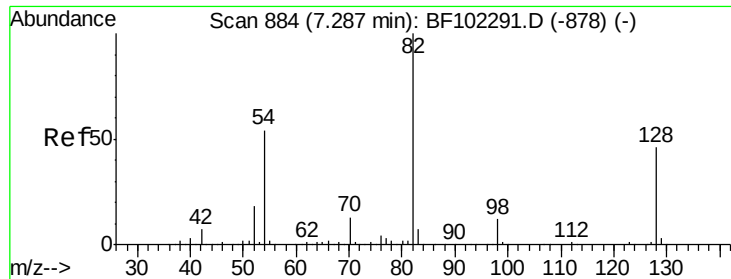
Lab File: BF102667.D

Acq: 31 Jan 2018 20:57

Tgt Ion:	136	Resp:	647060
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	7.9	6.6	9.8
68	5.4	5.0	7.4

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





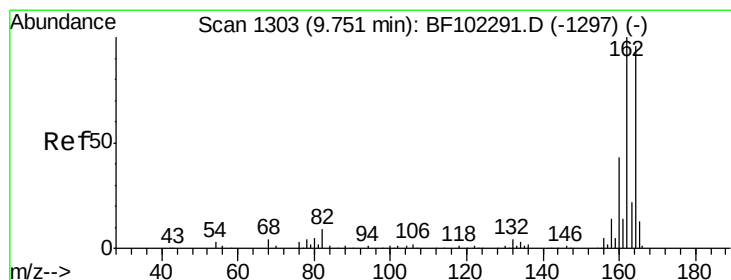
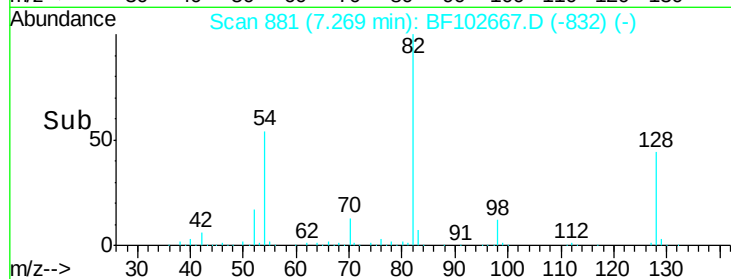
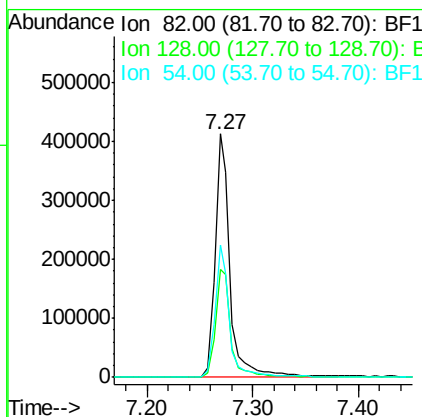
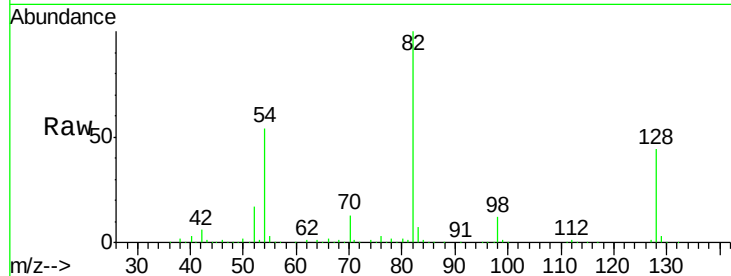
#23
Nitrobenzene-d5
Concen: 36.903 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF102667.D
Acq: 31 Jan 2018 20:57

Instrument :
BNA_F
ClientSampleId :
OK-03-013018

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.4	36.1	54.1
54	54.1	41.4	62.2

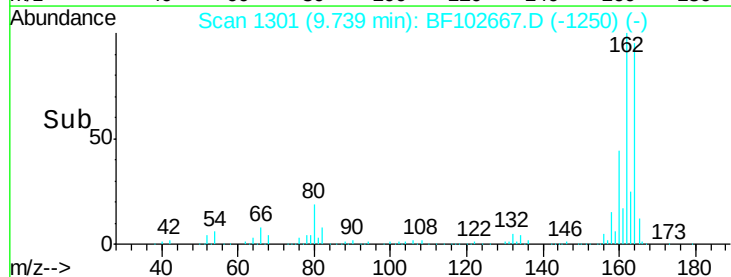
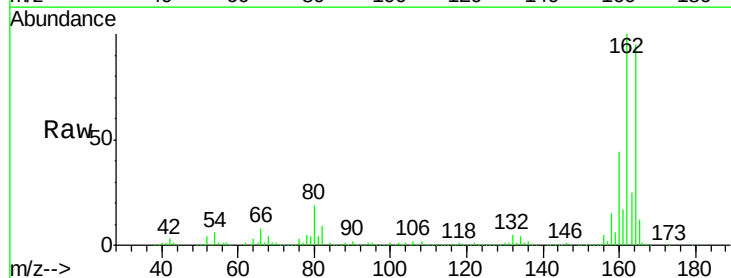
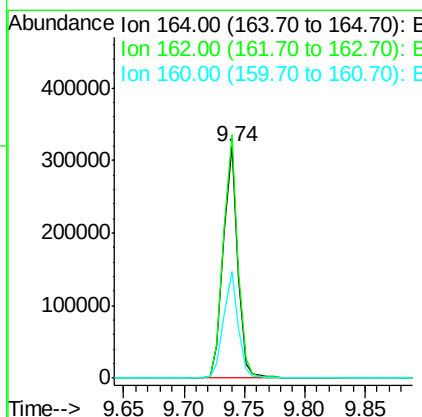
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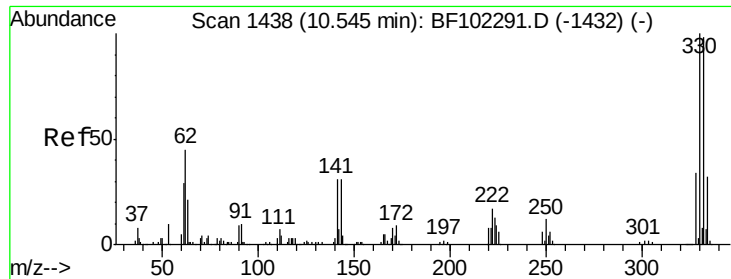
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF102667.D
Acq: 31 Jan 2018 20:57

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.1	86.1	129.1
160	46.0	38.3	57.5





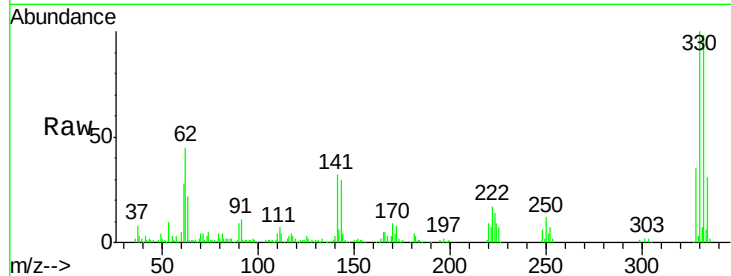
#41
 2,4,6-Tribromophenol
 Concen: 41.832 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. 0.00 min
 Lab File: BF102667.D
 Acq: 31 Jan 2018 20:57

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-013018

Tot Ion	Ratio	Resp	Lower	Upper
330	100	109485		
332	98.5	77.0	115.6	
141	41.6	29.9	44.9	

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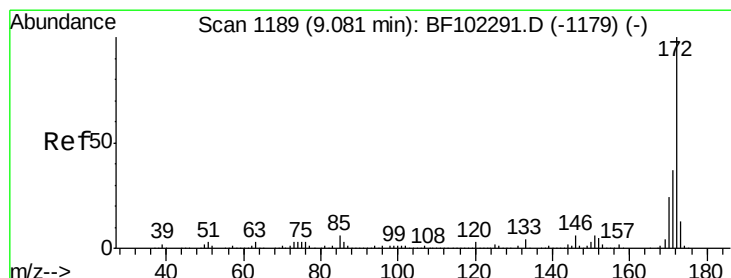
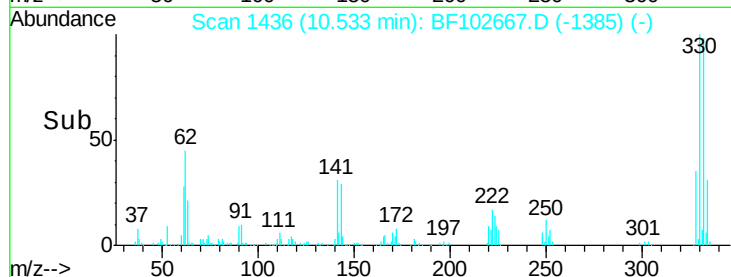
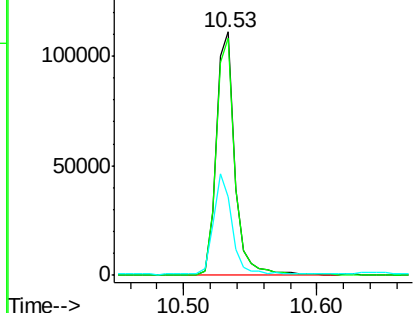


Abundance

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: 38.785 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF102667.D
 Acq: 31 Jan 2018 20:57

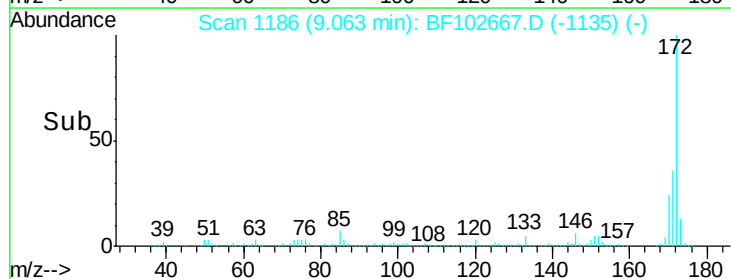
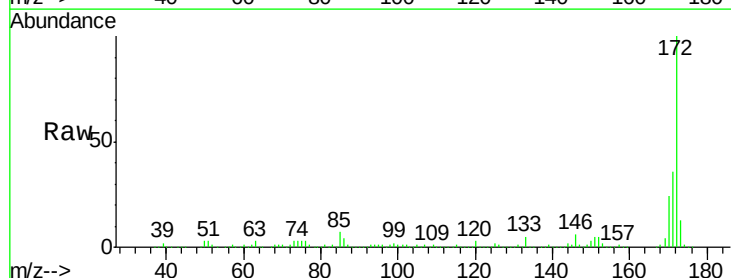
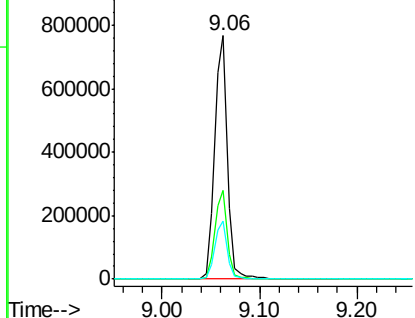
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	696739		
171	36.5	29.7	44.5	
170	24.0	19.6	29.4	

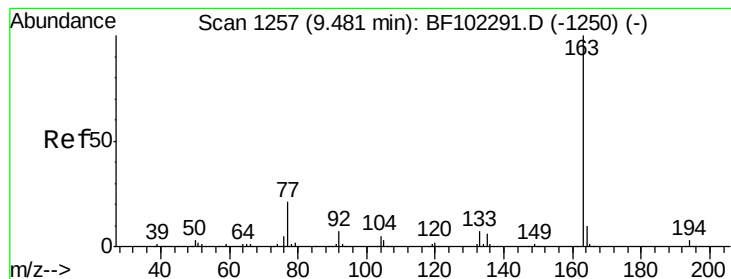
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 4.364 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.01 min

Lab File: BF102667.D

Acq: 31 Jan 2018 20:57

Instrument :

BNA_F

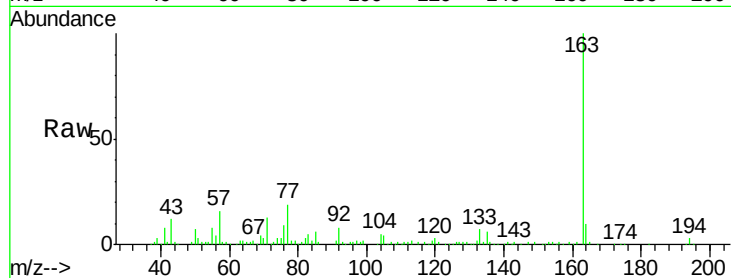
ClientSampleId :

OK-03-013018

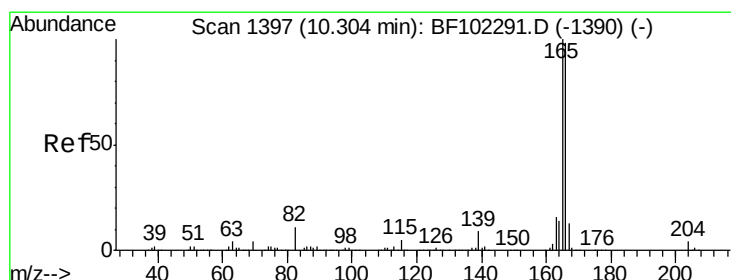
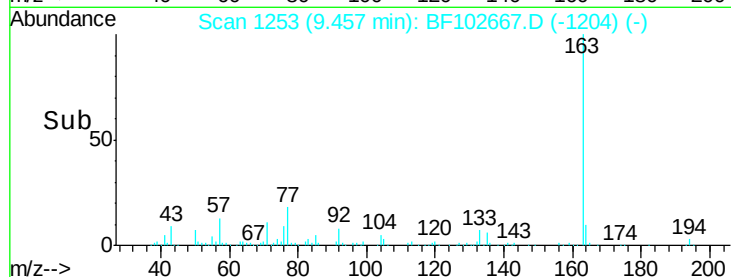
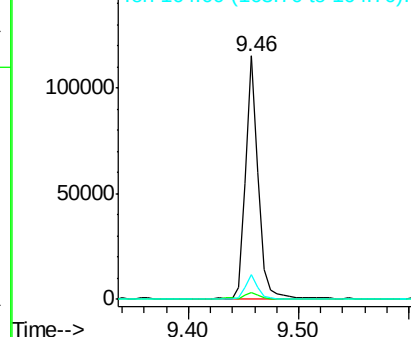
Tot Ion:	163	Resp:	95268
Ion Ratio	Lower	Upper	
163	100		
194	3.1	2.7	4.1
164	10.2	8.2	12.2

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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



#57

Fluorene

Concen: 2.502 ng

RT: 10.29 min Scan# 1394

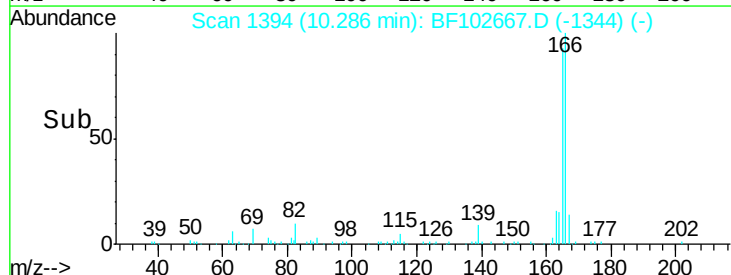
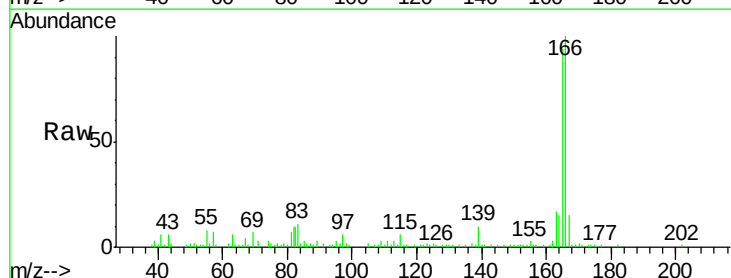
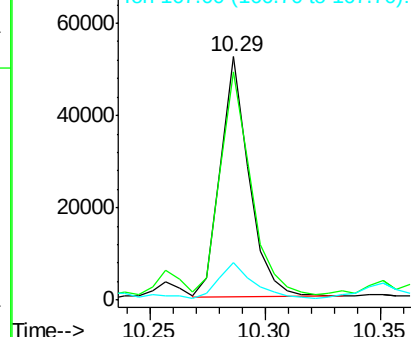
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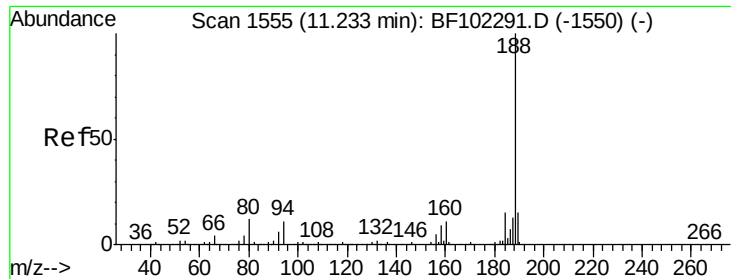
Lab File: BF102667.D

Acq: 31 Jan 2018 20:57

Tgt Ion:	166	Resp:	44828
Ion Ratio	Lower	Upper	
166	100		
165	93.6	79.8	119.8
167	15.2	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





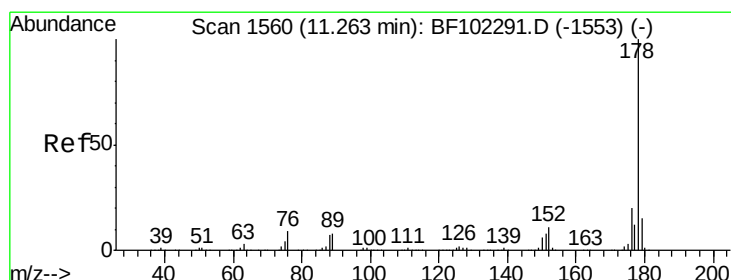
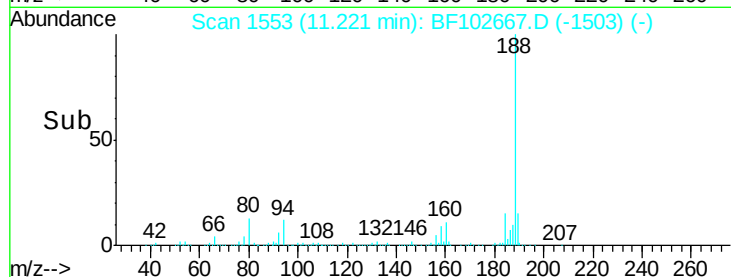
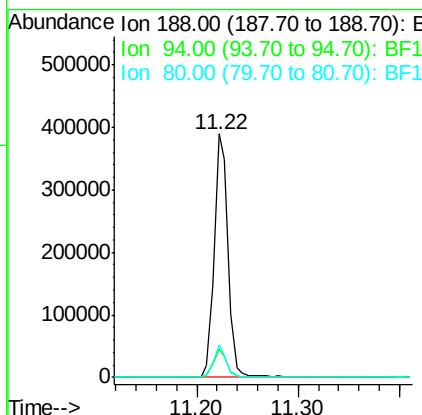
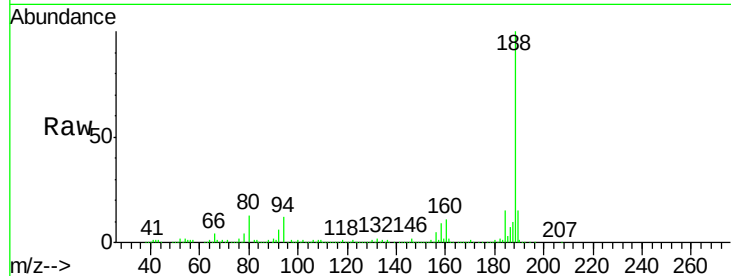
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF102667.D
Acq: 31 Jan 2018 20:57

Instrument :
BNA_F
ClientSampleId :
OK-03-013018

Tot Ion	Ratio	Resp	Lower	Upper
188	100	369718		
94	11.8		8.5	12.7
80	13.1		9.2	13.8

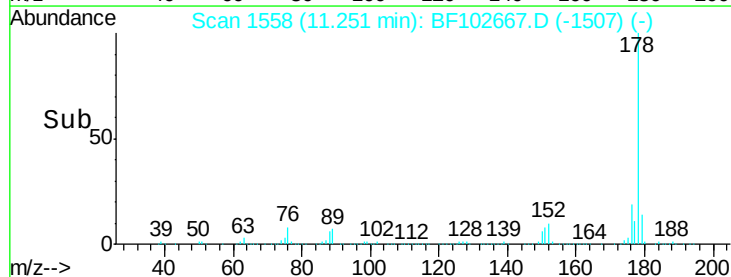
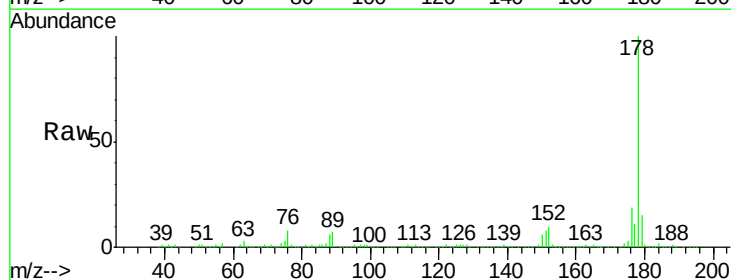
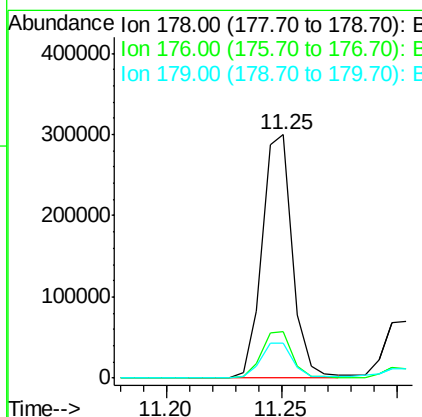
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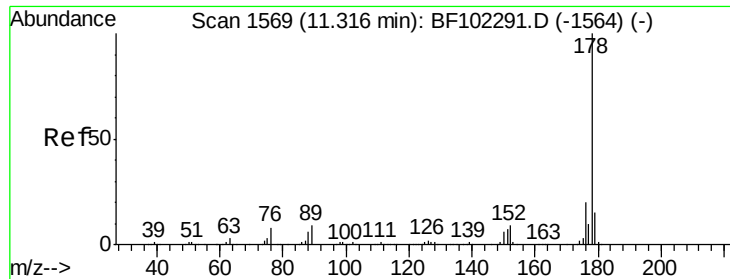
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#70
Phenanthrene
Concen: 12.754 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF102667.D
Acq: 31 Jan 2018 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	274779		
176	19.0		15.8	23.8
179	14.6		13.0	19.6





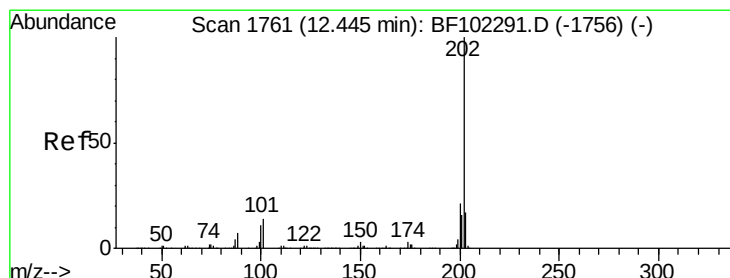
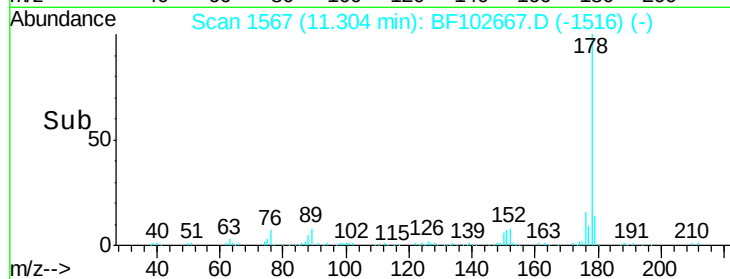
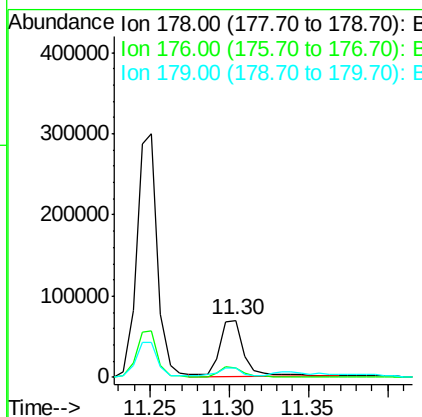
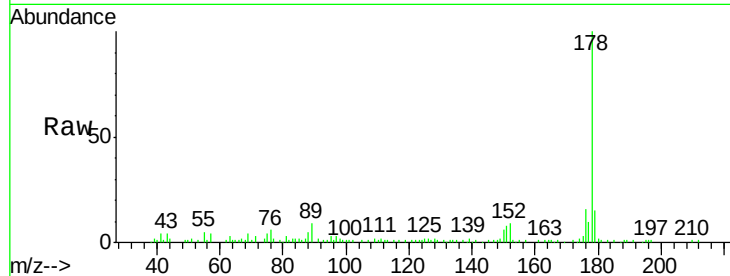
#71
 Anthracene
 Concen: 3.391 ng
 RT: 11.30 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: BF102667.D
 Acq: 31 Jan 2018 20:57

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-013018

Tot Ion	Ratio	Lower	Upper
178	100		
176	16.2	15.4	23.2
179	15.4	12.6	19.0

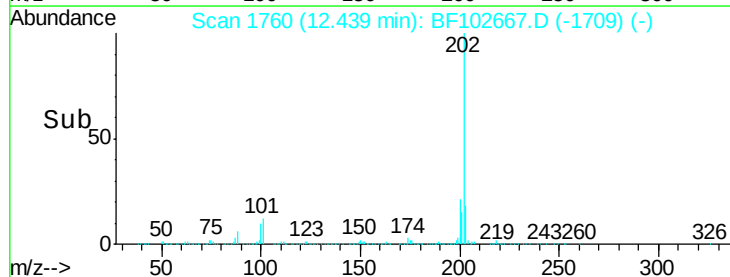
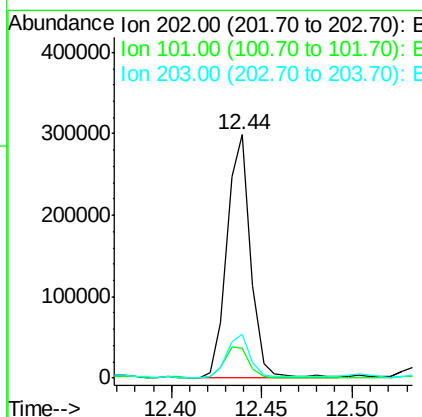
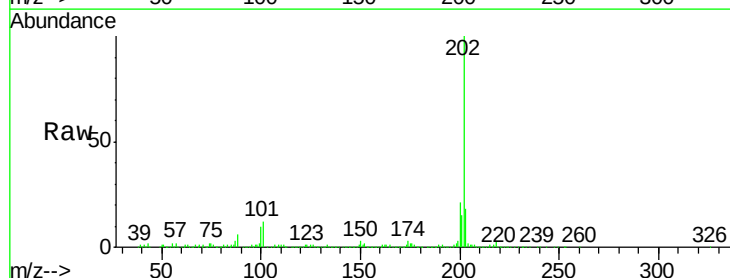
Manual Integrations
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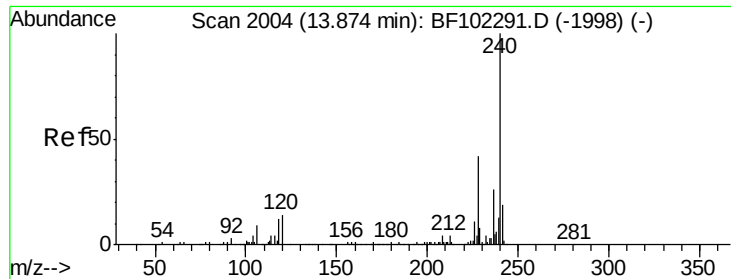
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#74
 Fluoranthene
 Concen: 12.290 ng
 RT: 12.44 min Scan# 1760
 Delta R.T. 0.00 min
 Lab File: BF102667.D
 Acq: 31 Jan 2018 20:57

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	34.1
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF102667.D

Acq: 31 Jan 2018 20:57

Instrument :

BNA_F

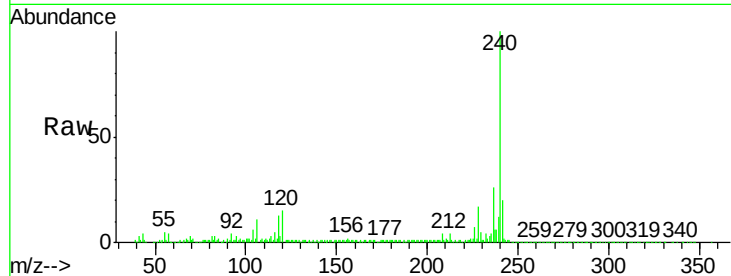
ClientSampleId :

OK-03-013018

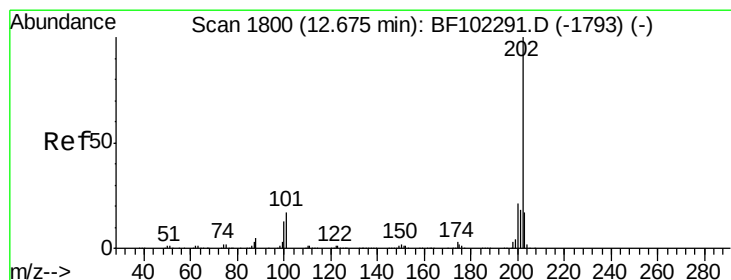
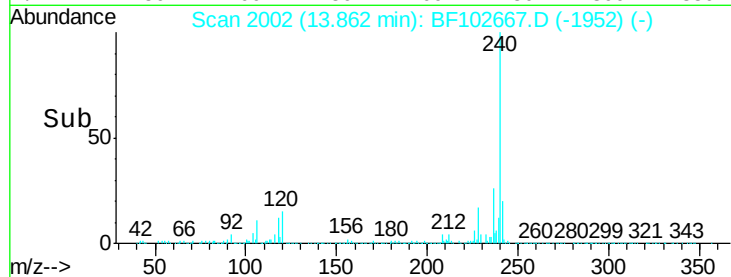
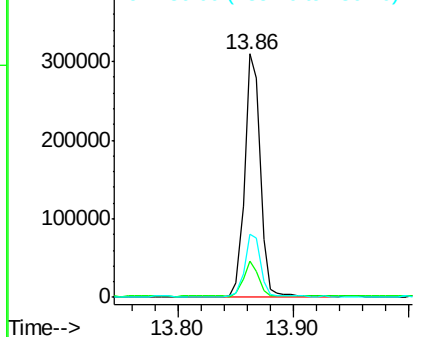
Tot Ion:	240	Resp:	292280
Ion Ratio	Lower	Upper	
240	100		
120	15.1	9.5	14.3#
236	26.0	20.7	31.1

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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



#77

Pyrene

Concen: 12.426 ng

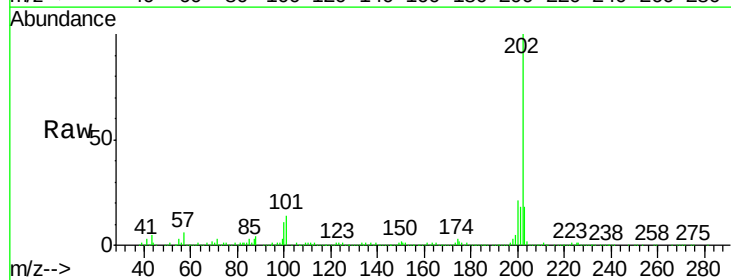
RT: 12.67 min Scan# 1799

Delta R.T. 0.00 min

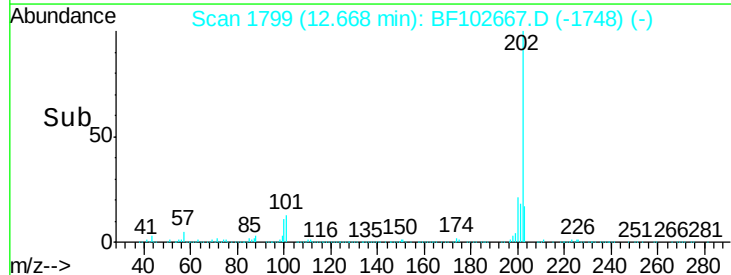
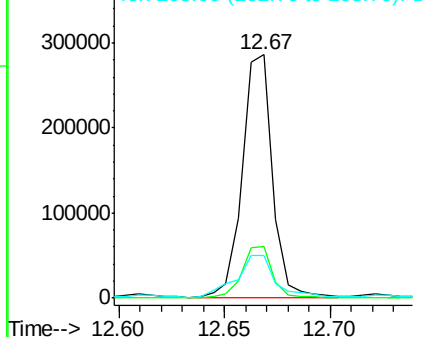
Lab File: BF102667.D

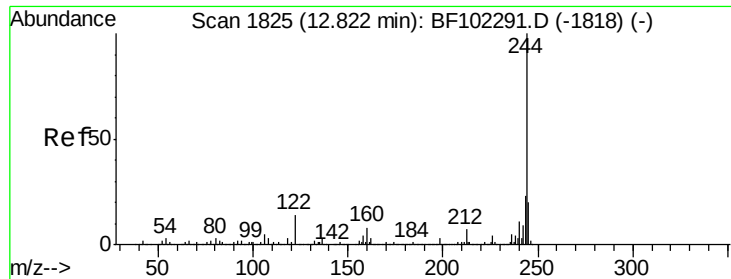
Acq: 31 Jan 2018 20:57

Tgt Ion:	202	Resp:	280798
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	17.7	14.3	21.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





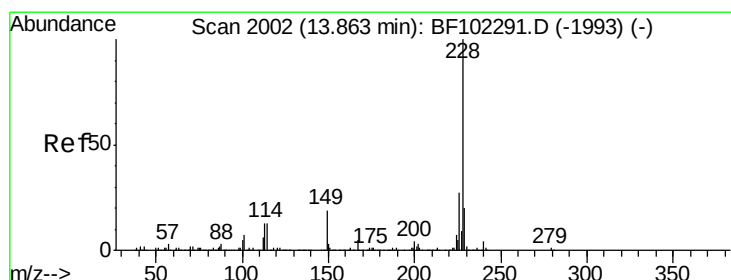
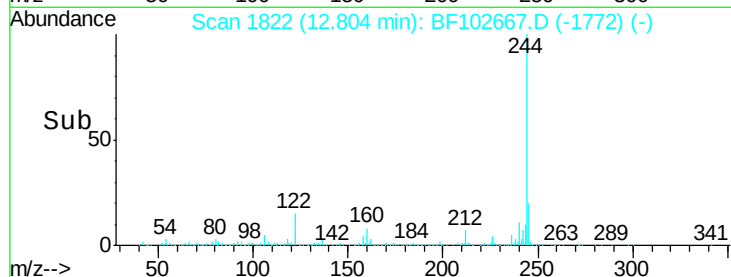
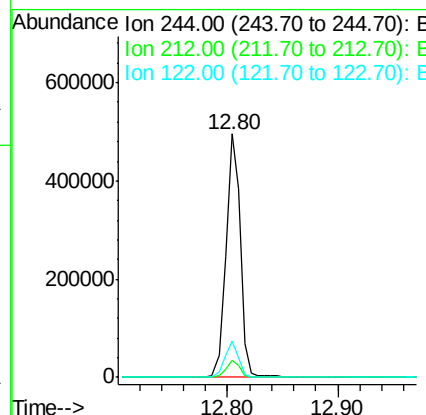
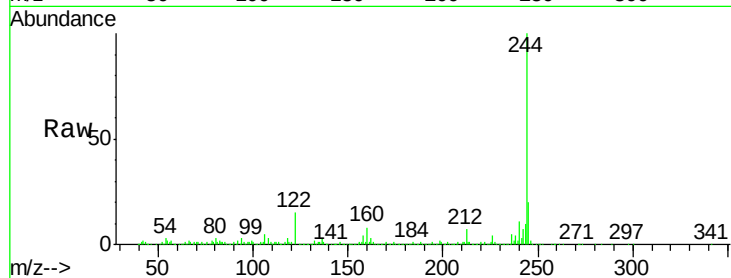
#78
 Terphenyl-d14
 Concen: 34.645 ng
 RT: 12.80 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: BF102667.D
 Acq: 31 Jan 2018 20:57

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-013018

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	14.8	11.0	16.4

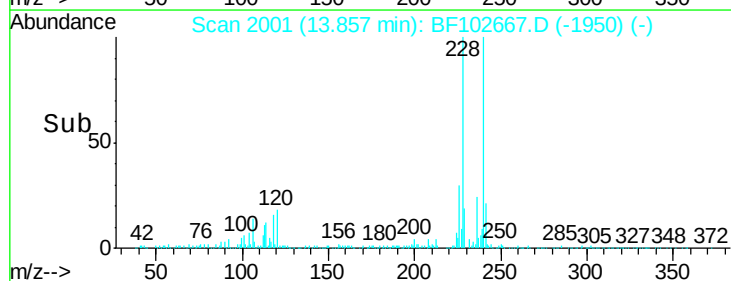
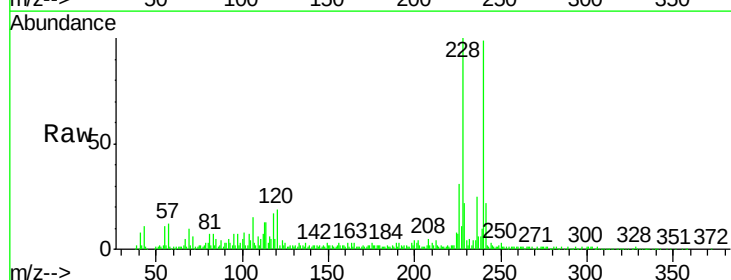
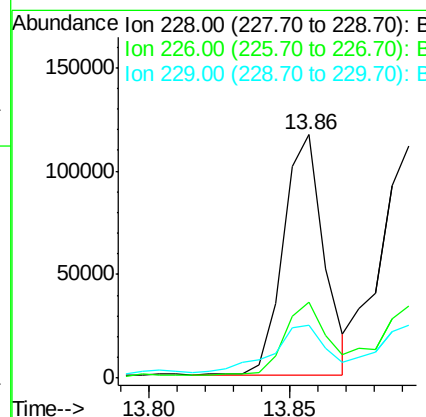
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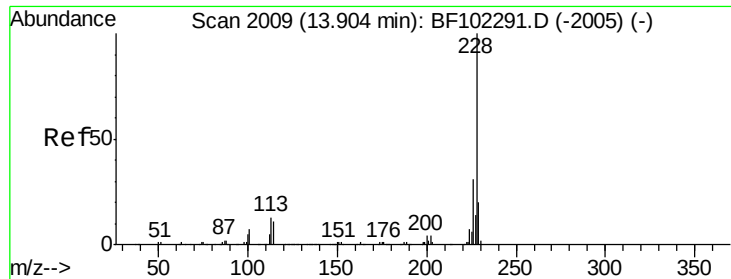
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#80
 Benzo(a)anthracene
 Concen: 6.456 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. 0.00 min
 Lab File: BF102667.D
 Acq: 31 Jan 2018 20:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	22.6	33.8
229	21.7	15.8	23.6





#82

Chrysene

Concen: 6.473 ng

RT: 13.89 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BF102667.D

Acq: 31 Jan 2018 20:57

Instrument :

BNA_F

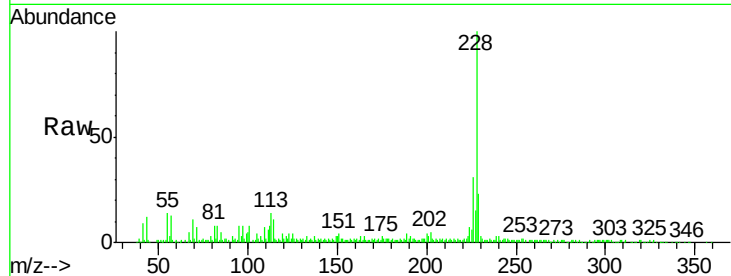
ClientSampleId :

OK-03-013018

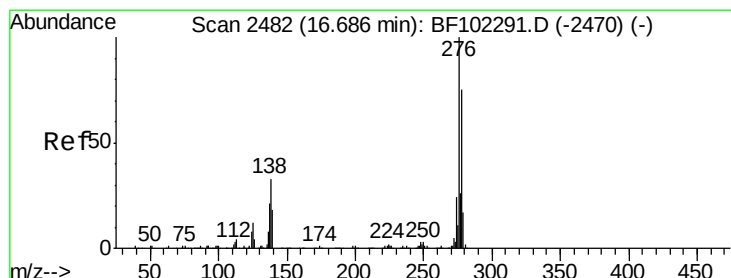
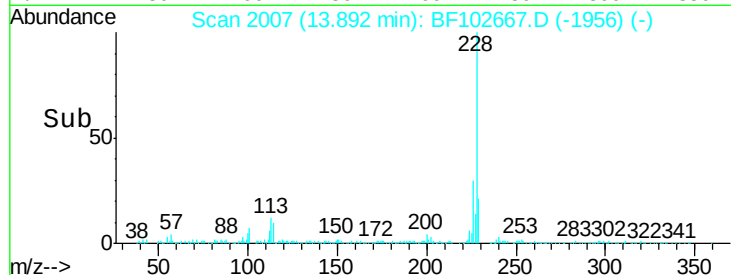
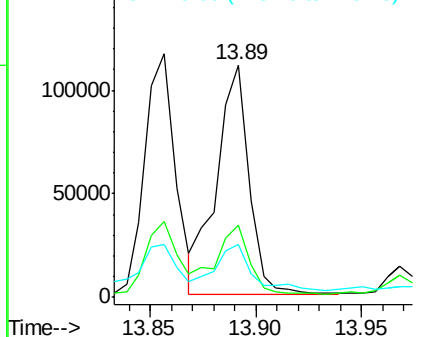
Tot Ion:	228	Resp:	118293
Ion Ratio	Lower	Upper	
228	100		
226	31.2	25.0	37.6
229	22.7	16.2	24.4

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.253 ng

RT: 16.70 min Scan# 2484

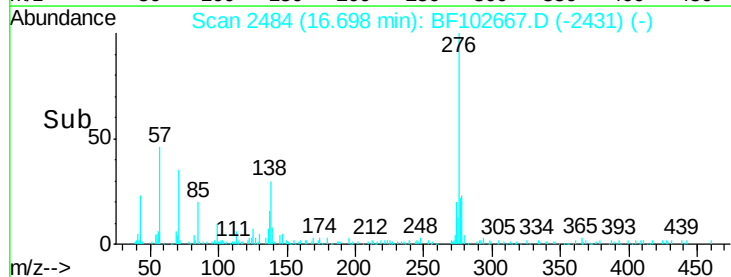
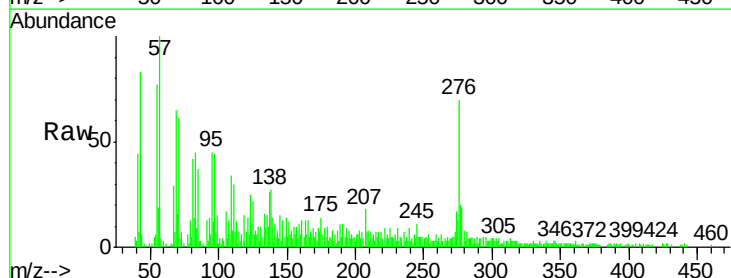
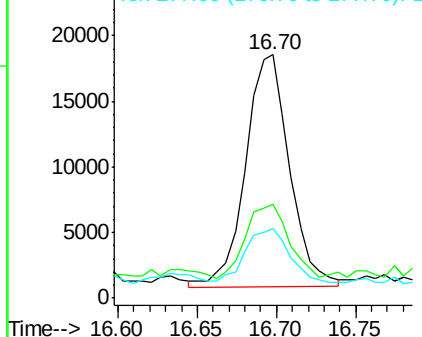
Delta R.T. 0.01 min

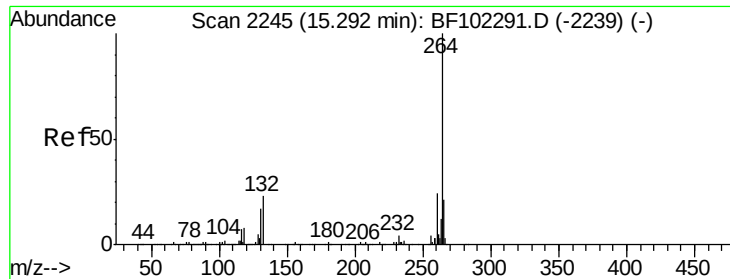
Lab File: BF102667.D

Acq: 31 Jan 2018 20:57

Tgt Ion:	276	Resp:	34000
Ion Ratio	Lower	Upper	
276	100		
138	31.1	25.0	37.6
277	23.5	20.1	30.1

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





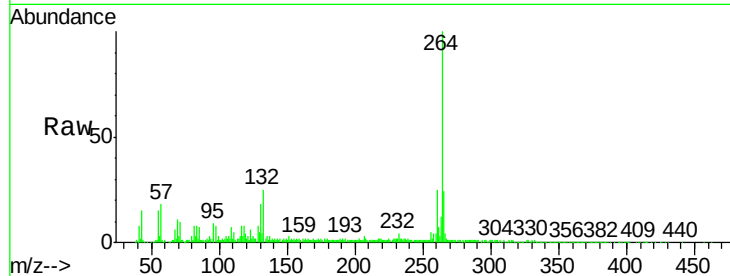
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.01 min
Lab File: BF102667.D
Acq: 31 Jan 2018 20:57

Instrument :
BNA_F
ClientSampleId :
OK-03-013018

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	23.6	17.5	26.3

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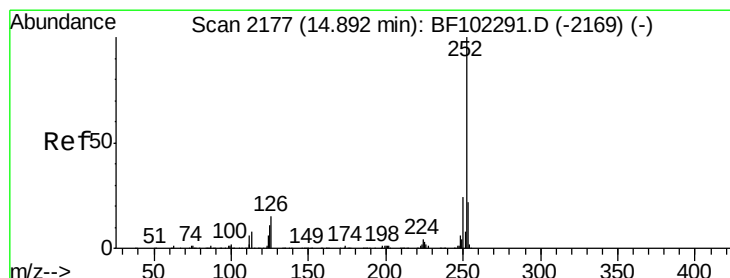
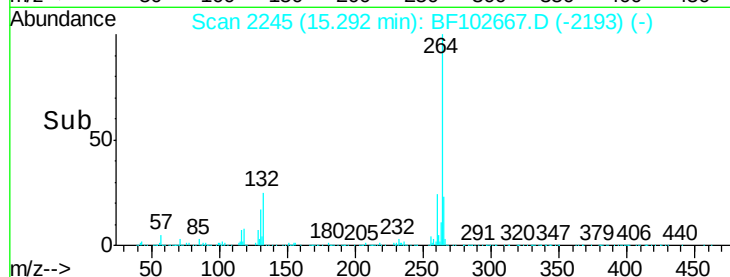
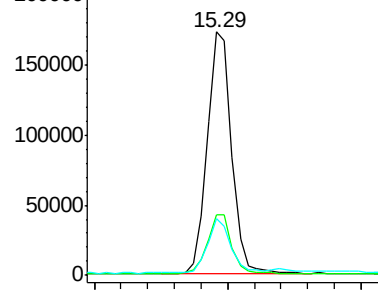


Abundance

Ion 264.00 (263.70 to 264.70): E

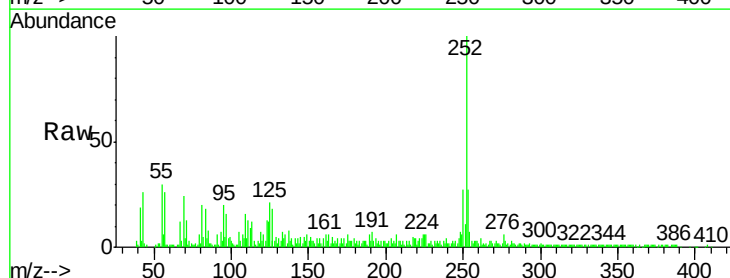
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 7.666 ng m
RT: 14.89 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BF102667.D
Acq: 31 Jan 2018 20:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.4	17.0	25.6#
125	21.0	9.0	13.6#

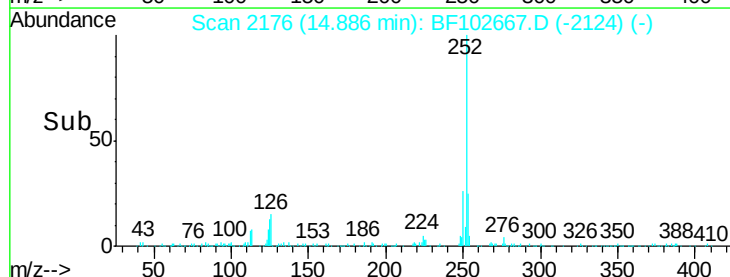
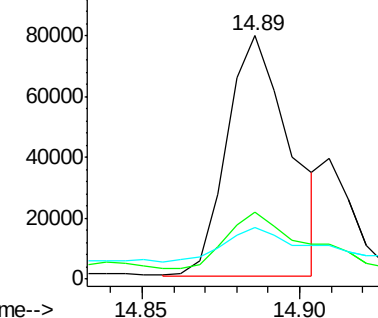


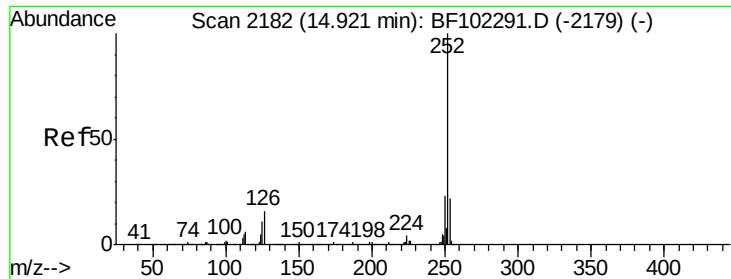
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





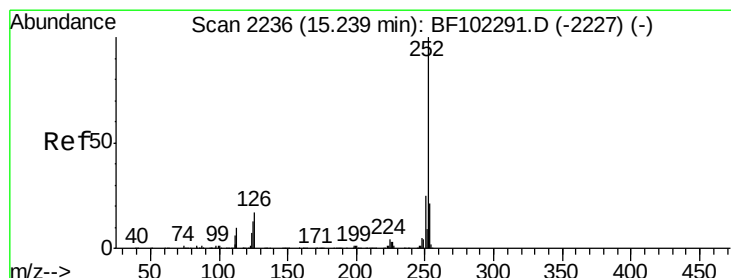
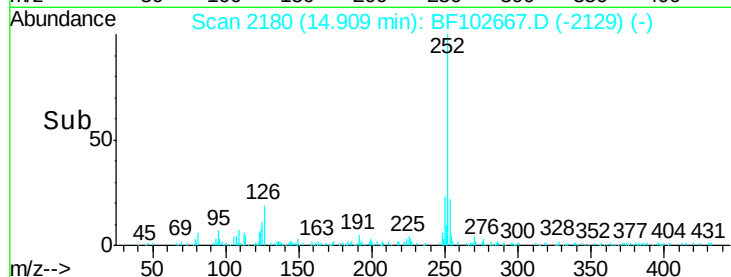
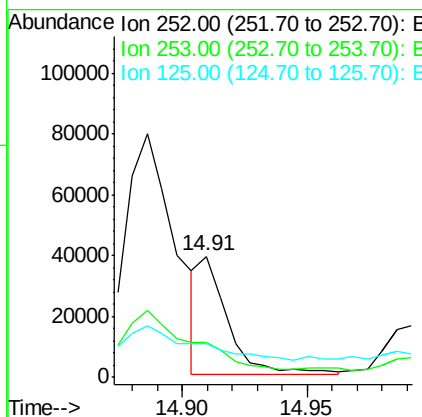
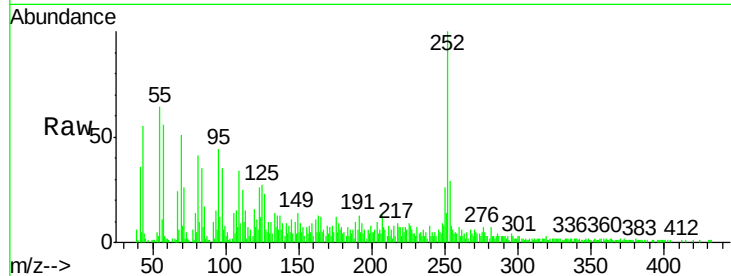
#88
Benzo(k)fluoranthene
Concen: 2.249 ng m
RT: 14.91 min Scan# 2180
Delta R.T. 0.00 min
Lab File: BF102667.D
Acq: 31 Jan 2018 20:57

Instrument :
BNA_F
ClientSampled :
OK-03-013018

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.5	17.9	26.9#
125	27.4	10.2	15.2#

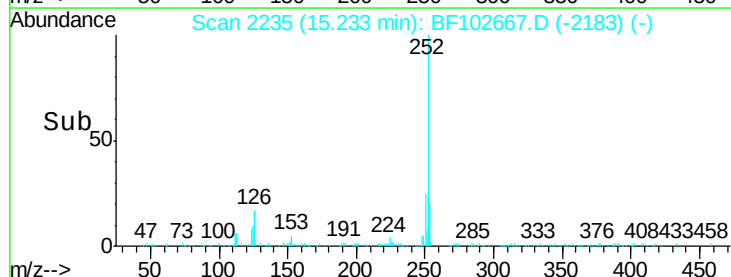
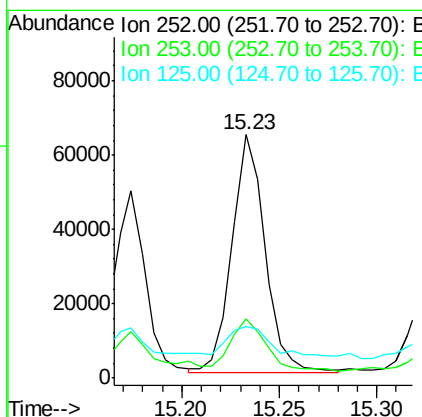
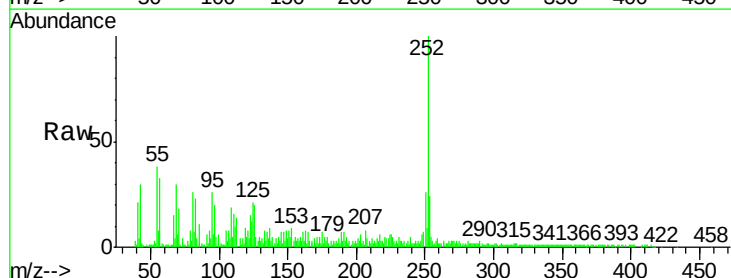
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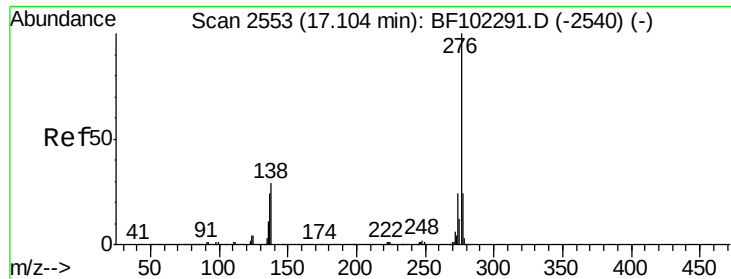
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#89
Benzo(a)pyrene
Concen: 5.861 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.01 min
Lab File: BF102667.D
Acq: 31 Jan 2018 20:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	21.4	9.8	14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 3.631 ng
 RT: 17.12 min Scan# 2556
 Delta R.T. 0.02 min
 Lab File: BF102667.D
 Acq: 31 Jan 2018 20:57

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-013018

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.2	17.9	26.9#
138	31.1	21.8	32.8

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