

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011918\
 Data File : BF102231.D
 Acq On : 19 Jan 2018 21:58
 Operator : SJ/JU
 Sample : J1018-08 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-011818-B

Manual Integrations
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Quant Time: Jan 20 00:39:58 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 19 13:31:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	151550	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	616866	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	263595	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	407568	20.00	ng	0.00
75) Chrysene-d12	13.87	240	266306	20.00	ng	0.00
86) Perylene-d12	15.30	264	273715	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	525558	48.97	ng	0.00
7) Phenol-d6	6.35	99	629344	49.15	ng	-0.02
23) Nitrobenzene-d5	7.28	82	378538	36.06	ng	-0.02
41) 2,4,6-Tribromophenol	10.54	330	122754	53.36	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	613198	36.34	ng	-0.01
78) Terphenyl-d14	12.83	244	394693	30.77	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
48) Acenaphthylene	9.62	152	60753	2.119	ng	98
49) Dimethylphthalate	9.47	163	111114	5.255	ng	99
57) Fluorene	10.30	166	61771	3.741	ng	98
70) Phenanthrene	11.26	178	397946	16.715	ng	99
71) Anthracene	11.31	178	108002	4.473	ng	97
74) Fluoranthene	12.45	202	435012	18.572	ng	99
77) Pyrene	12.68	202	453197	19.252	ng	99
80) Benzo(a)anthracene	13.86	228	193732	11.402	ng	93
82) Chrysene	13.90	228	176650	9.971	ng	97
85) Indeno(1,2,3-cd)pyrene	16.68	276	79315	6.151	ng	95
87) Benzo(b)fluoranthene	14.89	252	217146m	12.167	ng	
88) Benzo(k)fluoranthene	14.92	252	65080m	3.780	ng	
89) Benzo(a)pyrene	15.24	252	165481	10.304	ng	94
91) Benzo(a,h,i)perylene	17.10	276	75038	5.812	ng	95

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

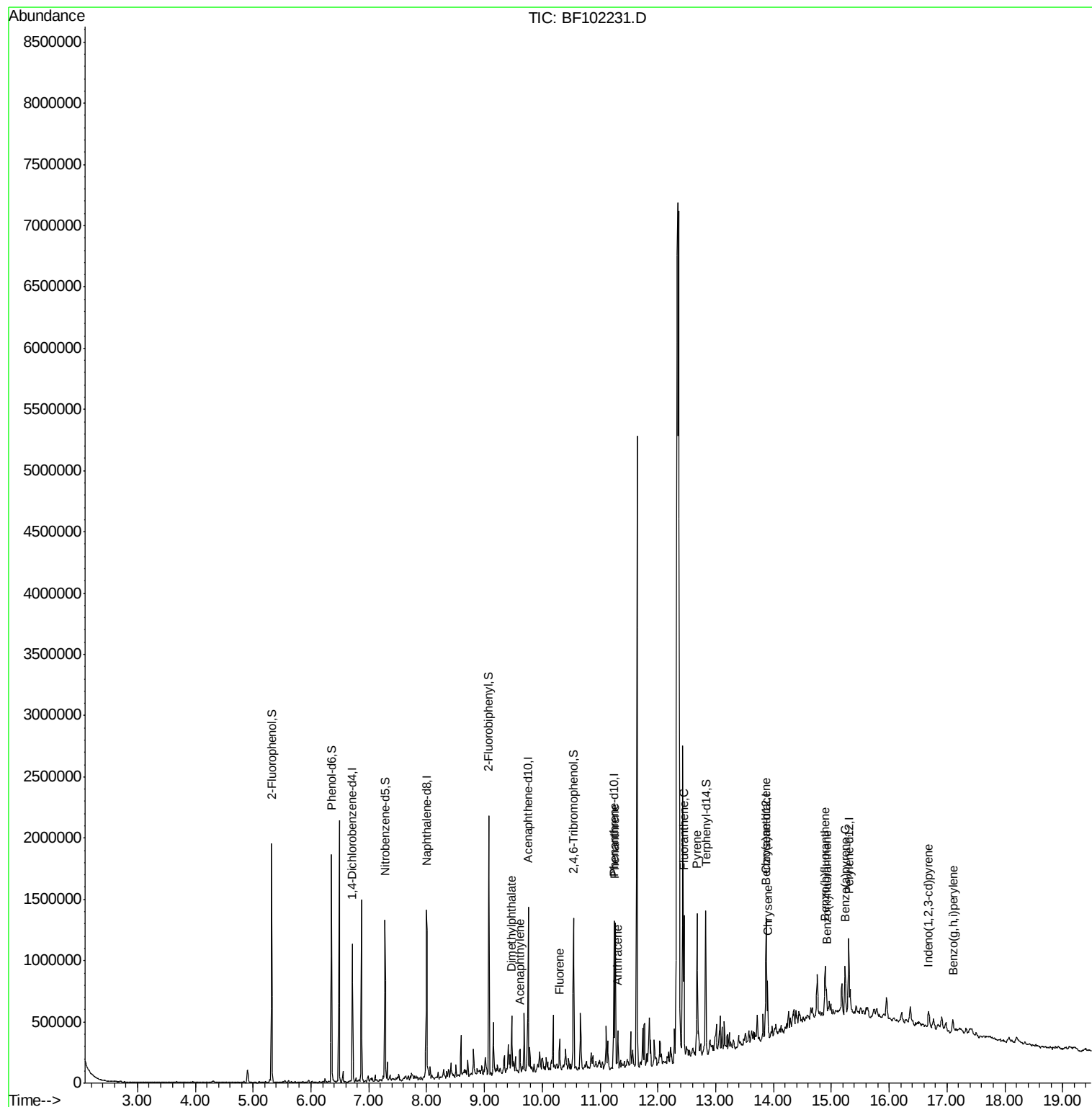
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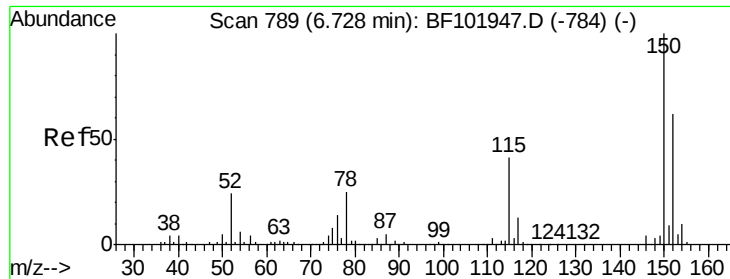
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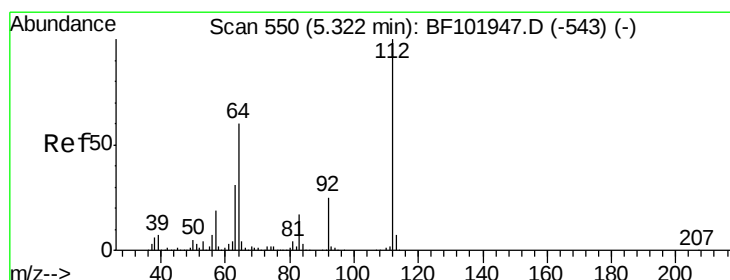
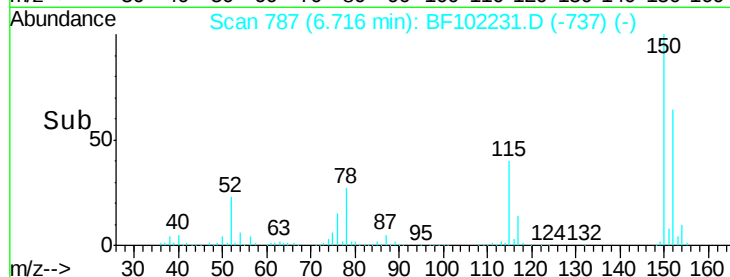
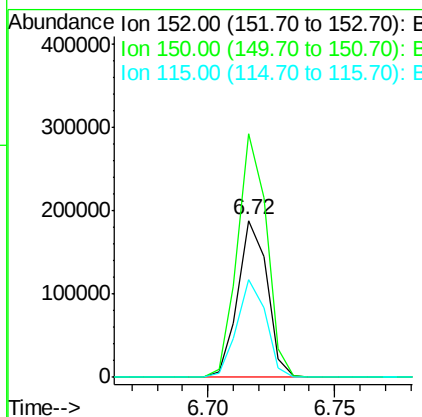
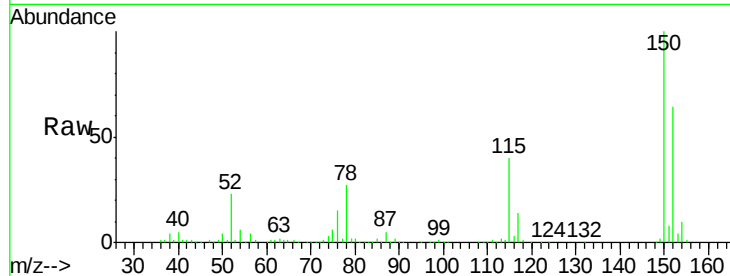
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 787
 Delta R.T. -0.01 min
 Lab File: BF102231.D
 Acq: 19 Jan 2018 21:58

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-011818-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.6	186.8
115	62.7	50.1	75.1

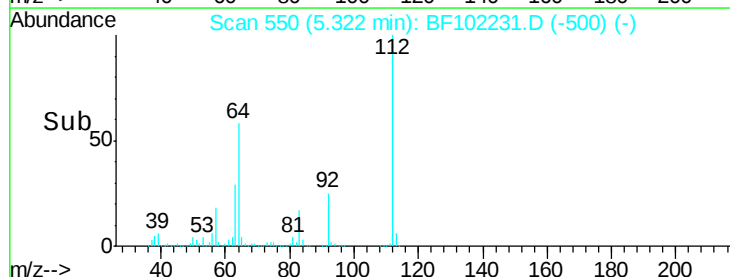
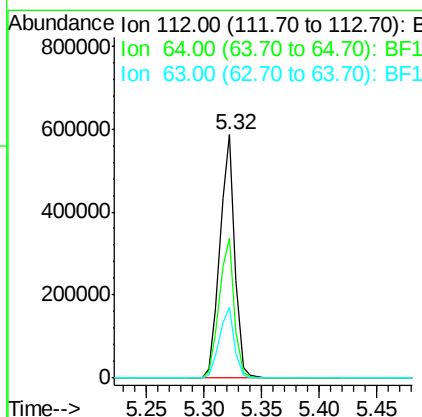
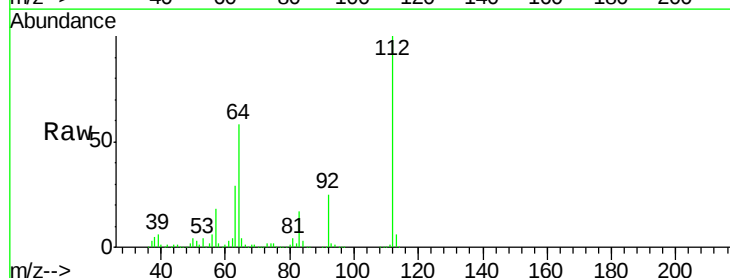
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#5
 2-Fluorophenol
 Concen: 48.969 ng
 RT: 5.32 min Scan# 550
 Delta R.T. -0.01 min
 Lab File: BF102231.D
 Acq: 19 Jan 2018 21:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	47.9	71.9
63	29.0	23.7	35.5





#7

Phenol-d6

Concen: 49.149 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF102231.D

Acq: 19 Jan 2018 21:58

Instrument :

BNA_F

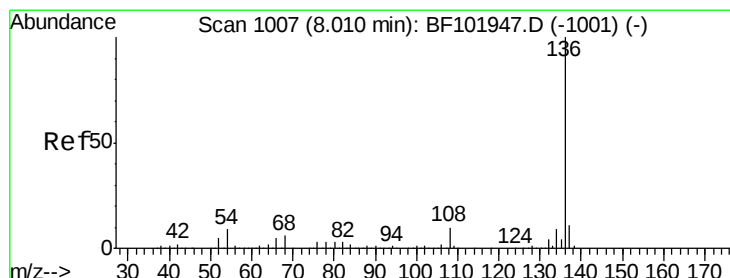
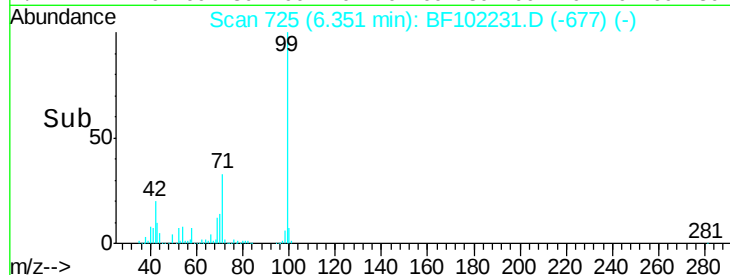
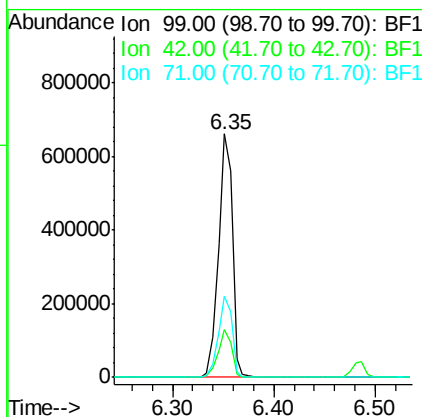
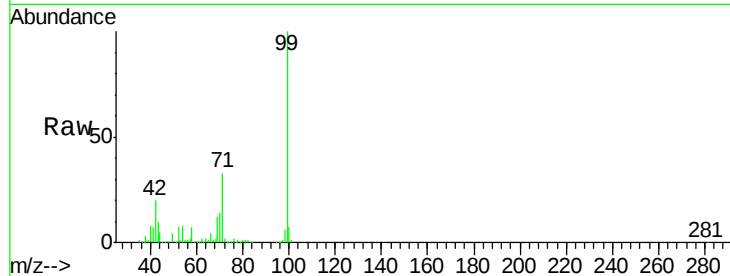
ClientSampleId :

OR-02-011818-B

Tot Ion:	99	Resp:	629344
Ion	Ratio	Lower	Upper
99	100		
42	19.6	14.5	21.7
71	33.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

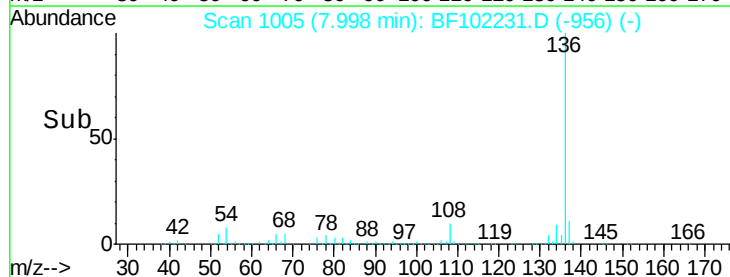
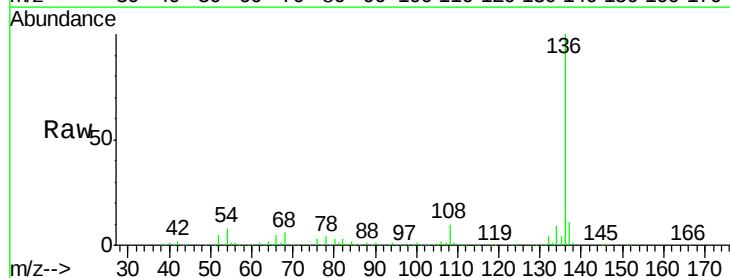
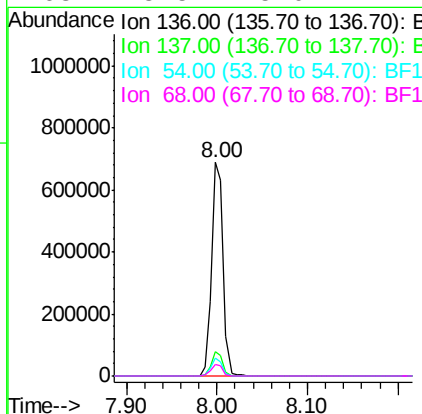
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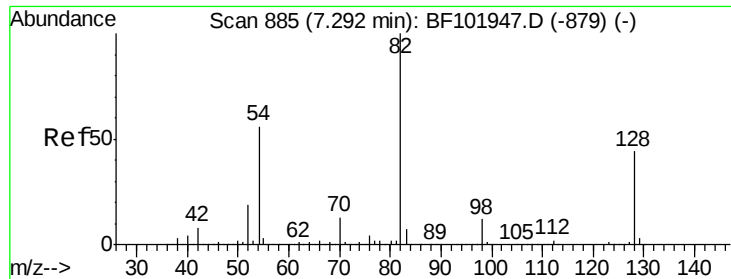
Delta R.T. -0.01 min

Lab File: BF102231.D

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Tgt Ion:	136	Resp:	616866
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.5	6.6	9.8
68	5.5	5.0	7.4





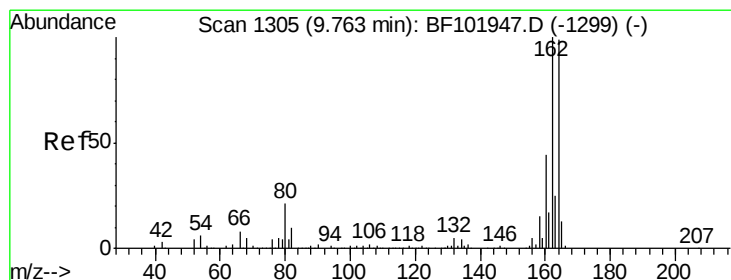
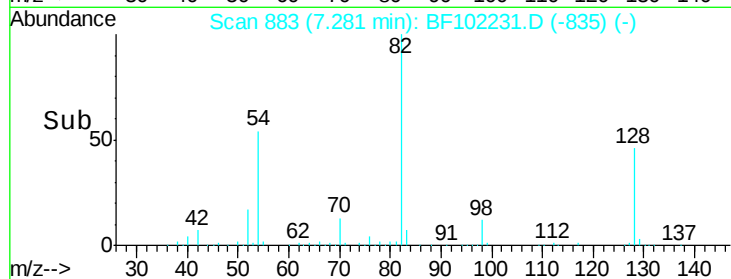
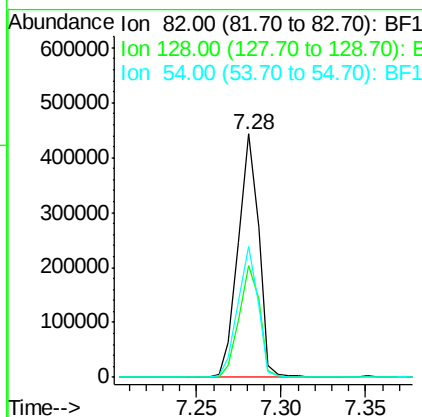
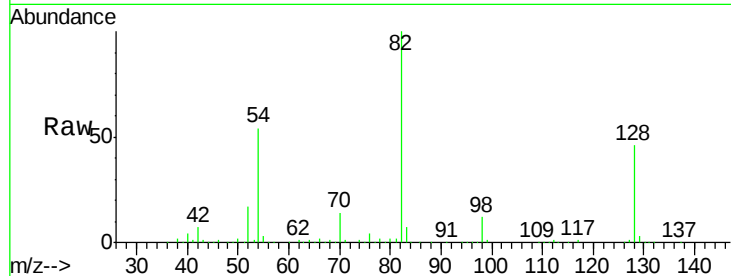
#23
Nitrobenzene-d5
Concen: 36.060 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF102231.D
Acq: 19 Jan 2018 21:58

Instrument :
BNA_F
ClientSampleId :
OR-02-011818-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.1	54.1
54	53.7	41.4	62.2

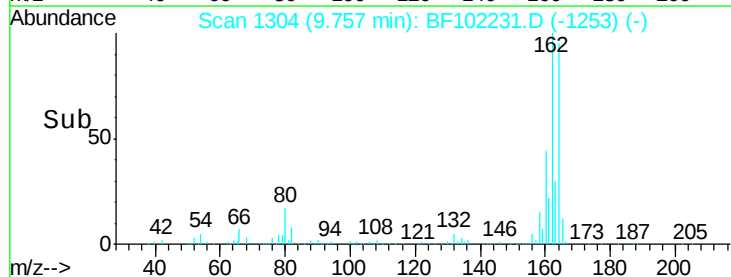
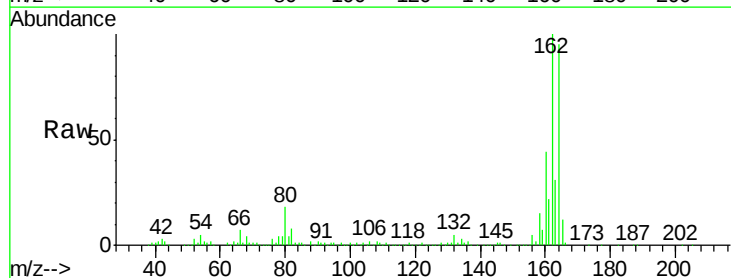
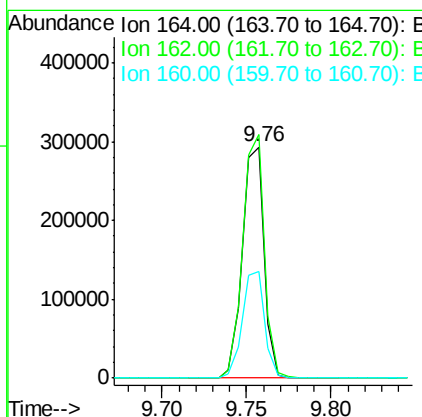
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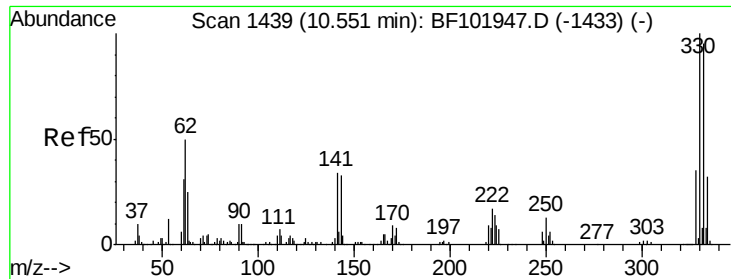
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.00 min
Lab File: BF102231.D
Acq: 19 Jan 2018 21:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.3	86.1	129.1
160	46.0	38.3	57.5





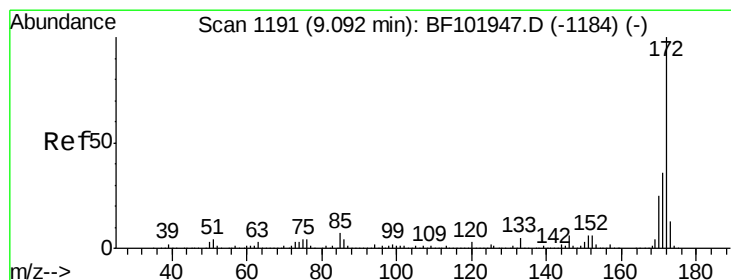
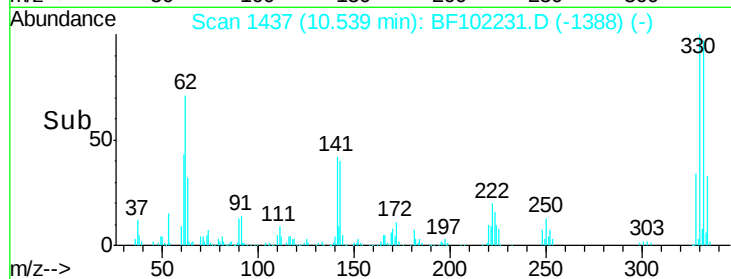
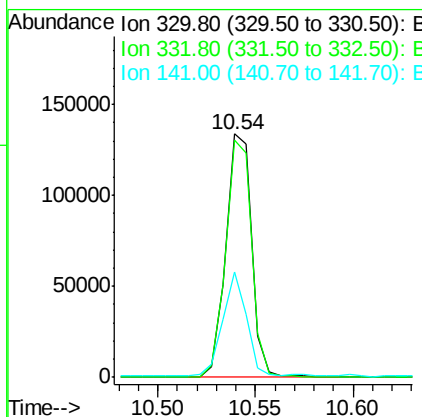
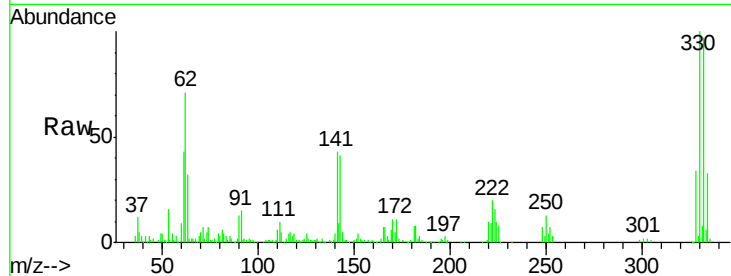
#41
 2,4,6-Tribromophenol
 Concen: 53.363 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102231.D
 Acq: 19 Jan 2018 21:58

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-011818-B

Tot Ion	Ratio	Resp	Lower	Upper
330	100	122754		
332	97.7	77.0	115.6	
141	38.5	29.9	44.9	

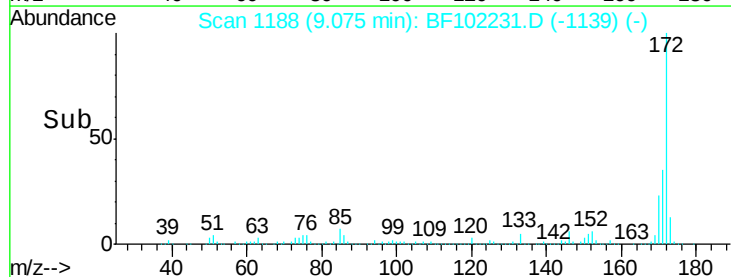
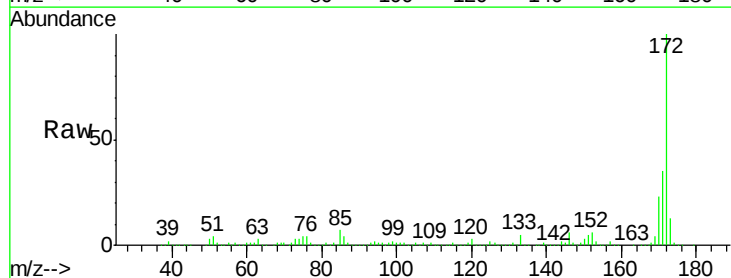
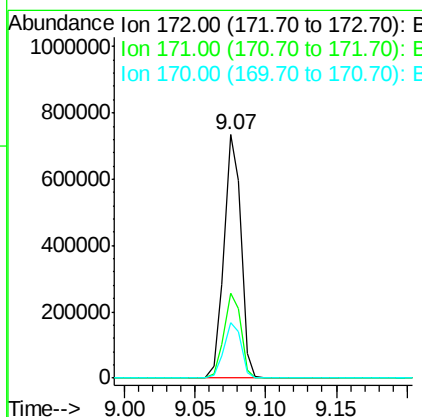
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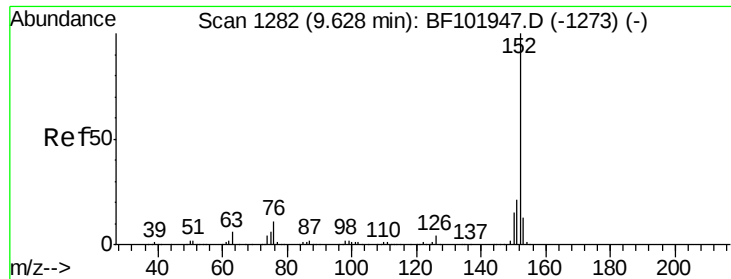
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#44
 2-Fluorobiphenyl
 Concen: 36.343 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF102231.D
 Acq: 19 Jan 2018 21:58

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	613198		
171	34.6	29.7	44.5	
170	23.0	19.6	29.4	





#48

Acenaphthylene

Concen: 2.119 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF102231.D

Acq: 19 Jan 2018 21:58

Instrument :

BNA_F

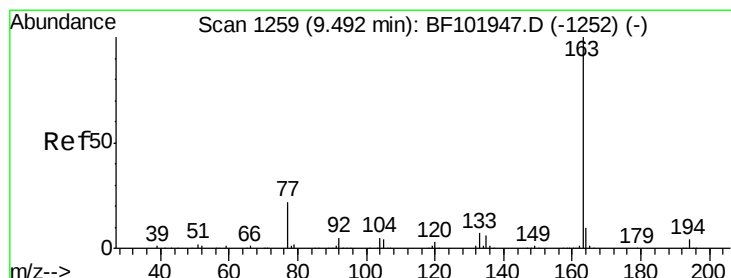
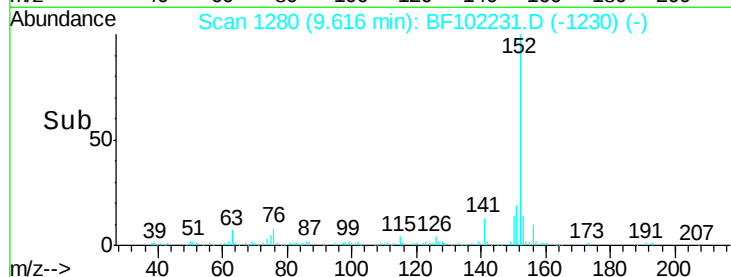
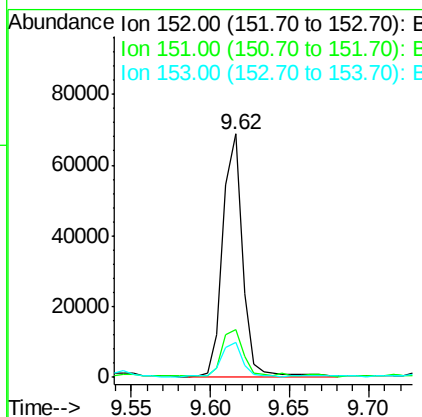
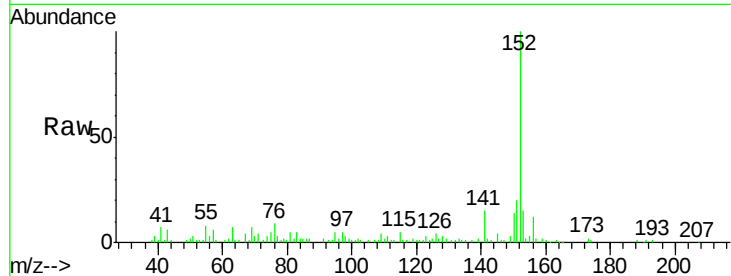
ClientSampleId :

OR-02-011818-B

Tot Ion:	152	Resp:	60753
Ion Ratio	Lower	Upper	
152	100		
151	19.7	16.3	24.5
153	14.6	10.7	16.1

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#49

Dimethylphthalate

Concen: 5.255 ng

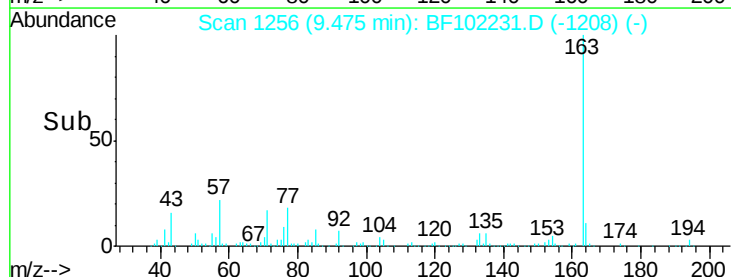
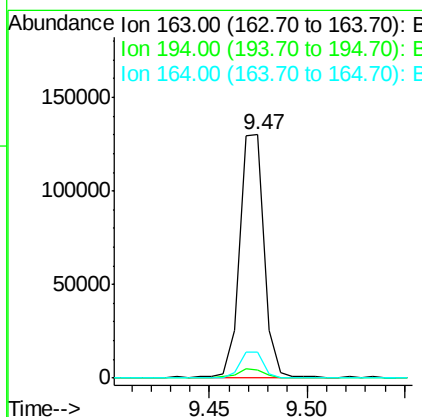
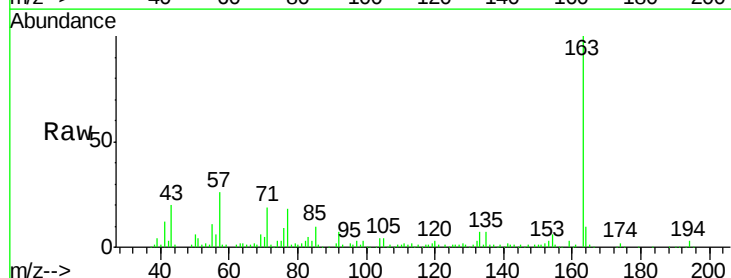
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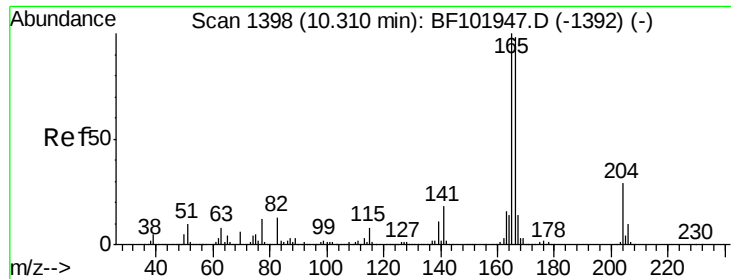
Delta R.T. -0.02 min

Lab File: BF102231.D

Acq: 19 Jan 2018 21:58

Tgt Ion:	163	Resp:	111114
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.7	4.1
164	10.5	8.2	12.2





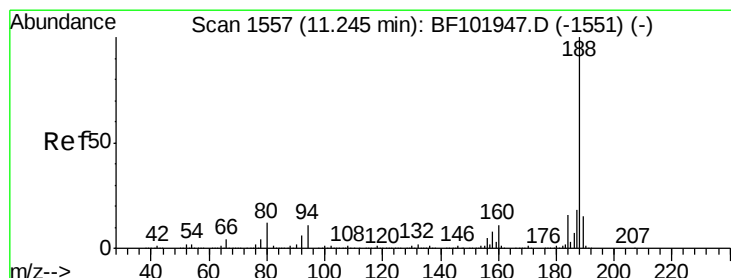
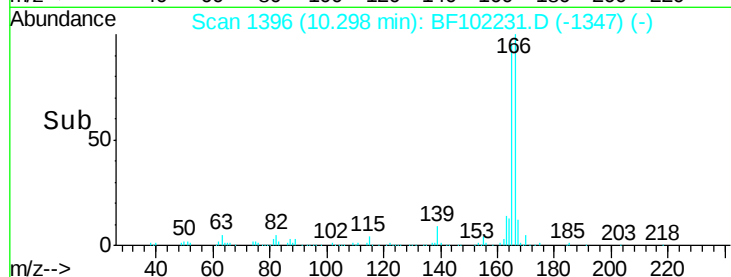
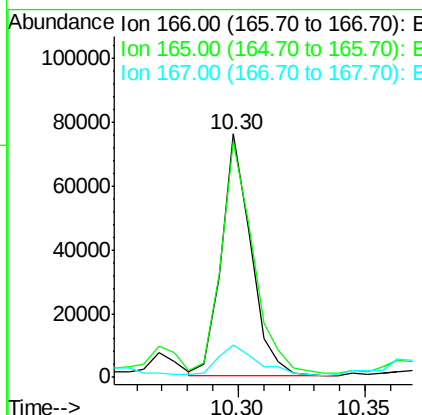
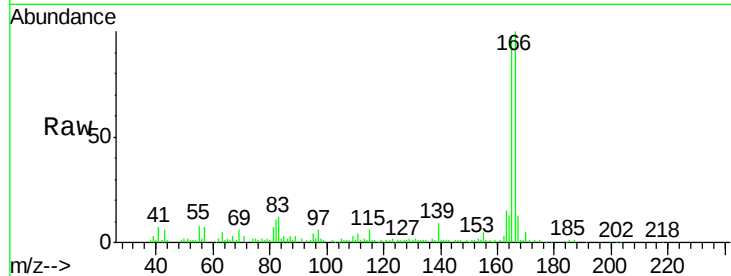
#57
Fluorene
 Concen: 3.741 ng
 RT: 10.30 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF102231.D
 Acq: 19 Jan 2018 21:58

Instrument :
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Tot Ion	Ratio	Lower	Upper
166	100		
165	97.1	79.8	119.8
167	13.1	10.6	16.0

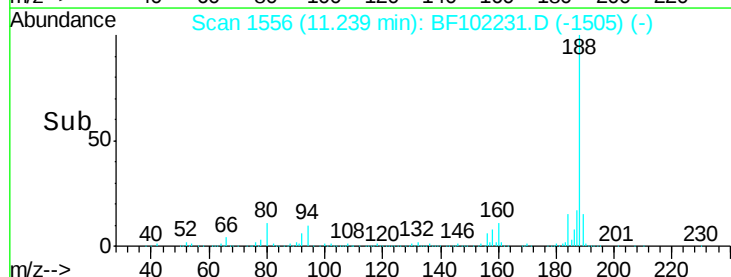
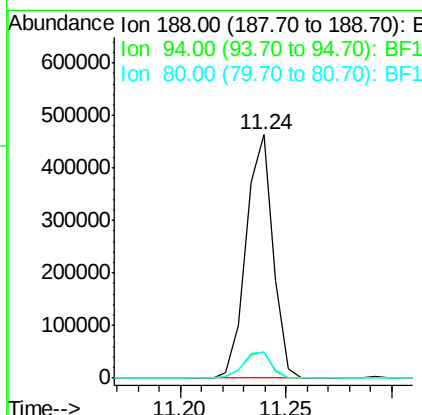
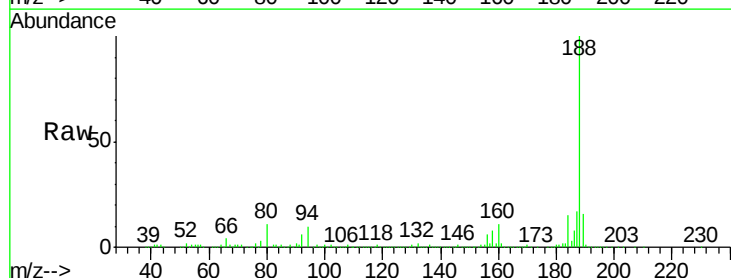
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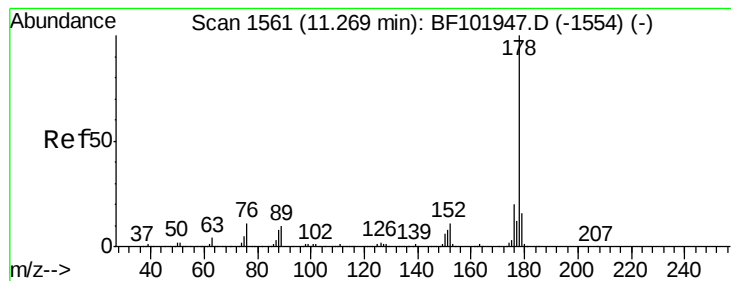
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. 0.00 min
 Lab File: BF102231.D
 Acq: 19 Jan 2018 21:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.5	12.7
80	10.9	9.2	13.8





#70

Phenanthrene

Concen: 16.715 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF102231.D

Acq: 19 Jan 2018 21:58

Instrument :

BNA_F

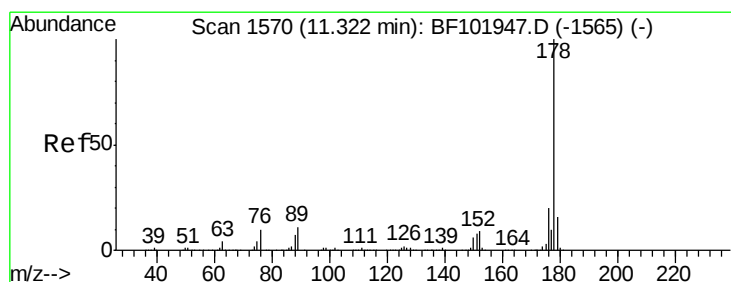
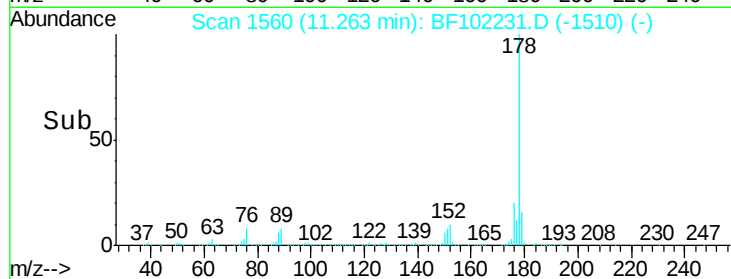
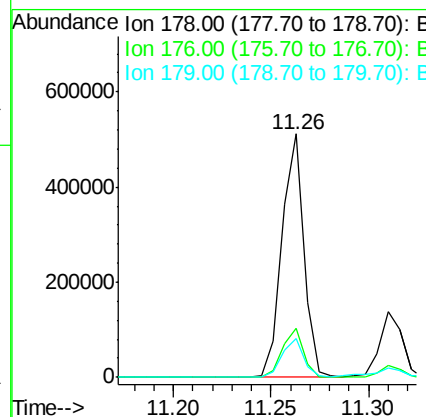
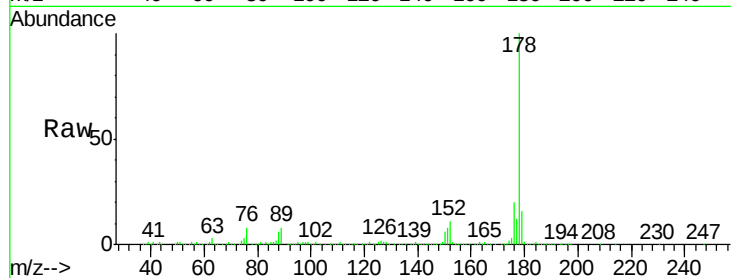
ClientSampleId :

OR-02-011818-B

Tot Ion:	178	Resp:	397946
Ion Ratio	Lower	Upper	
178	100		
176	20.3	15.8	23.8
179	15.7	13.0	19.6

Manual Integrations
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#71

Anthracene

Concen: 4.473 ng

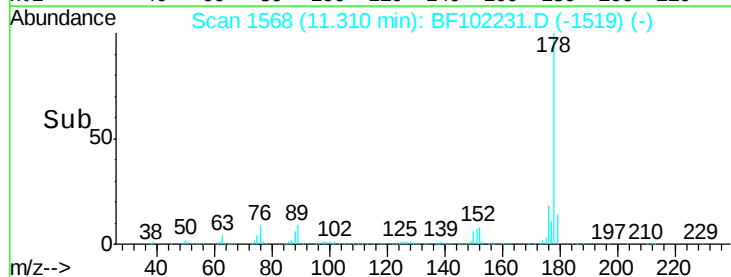
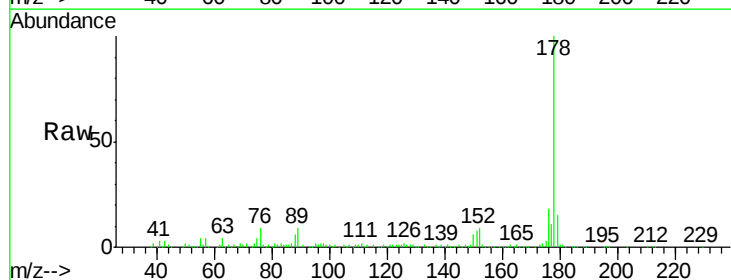
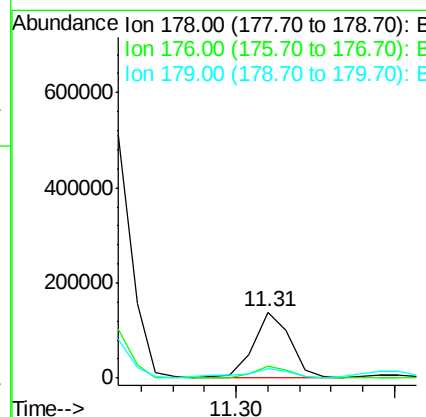
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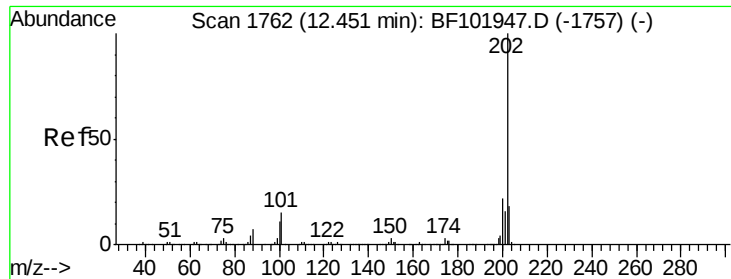
Delta R.T. -0.01 min

Lab File: BF102231.D

Acq: 19 Jan 2018 21:58

Tgt Ion:	178	Resp:	108002
Ion Ratio	Lower	Upper	
178	100		
176	18.0	15.4	23.2
179	14.8	12.6	19.0





#74

Fluoranthene

Concen: 18.572 ng

RT: 12.45 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF102231.D

Acq: 19 Jan 2018 21:58

Instrument :

BNA_F

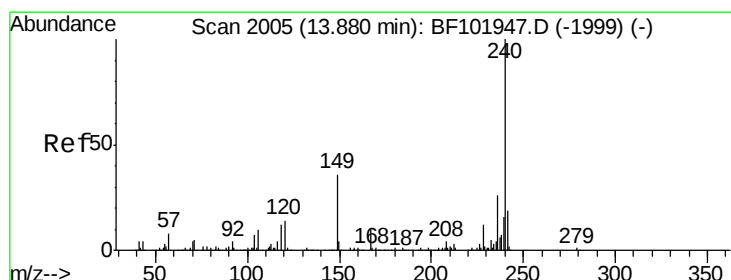
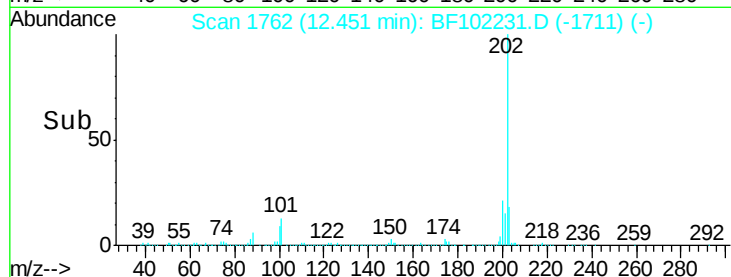
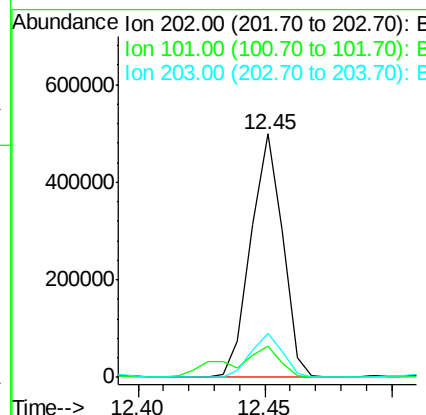
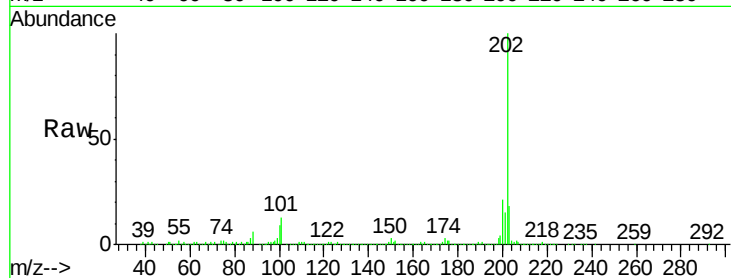
ClientSampleId :

OR-02-011818-B

Tot Ion	Ratio	Resp	Lower	Upper
202	100	435012		
101	12.9	0.0	34.1	
203	18.1	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

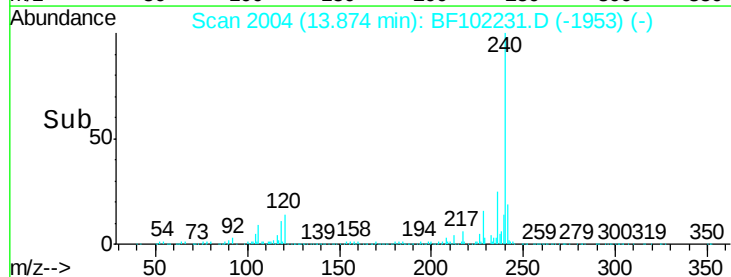
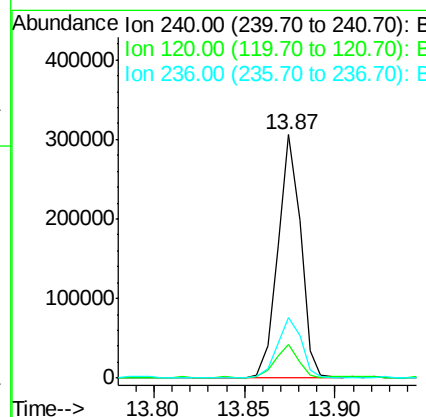
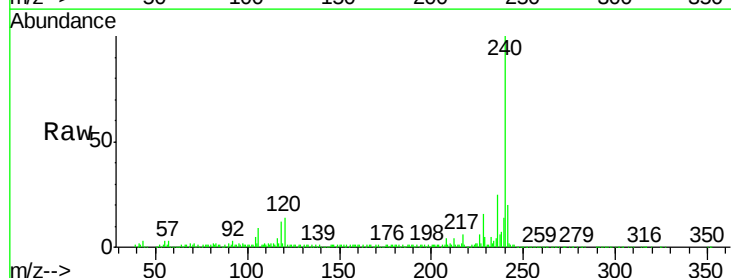
RT: 13.87 min Scan# 2004

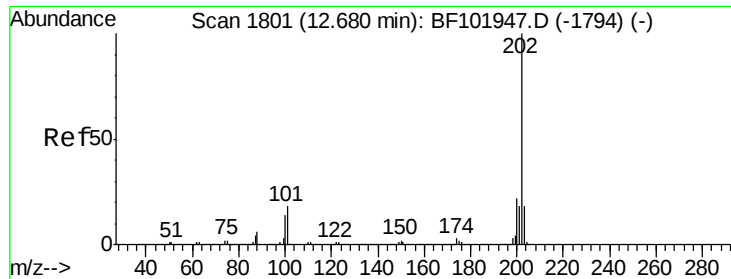
Delta R.T. 0.00 min

Lab File: BF102231.D

Acq: 19 Jan 2018 21:58

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	266306		
120	13.9	9.5	14.3	
236	25.1	20.7	31.1	





#77

Pvrene

Concen: 19.252 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF102231.D

Acq: 19 Jan 2018 21:58

Instrument :

BNA_F

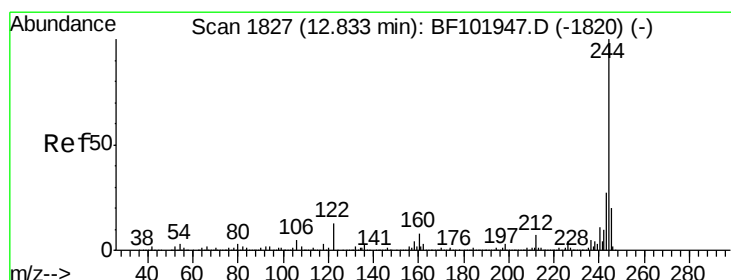
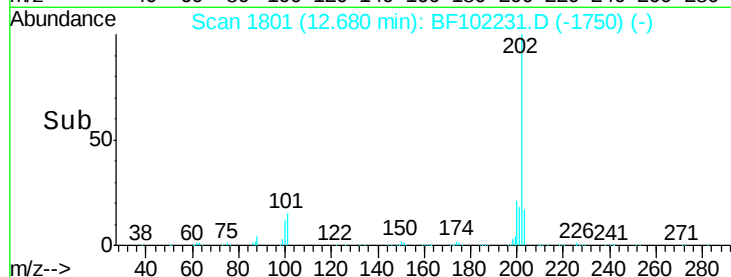
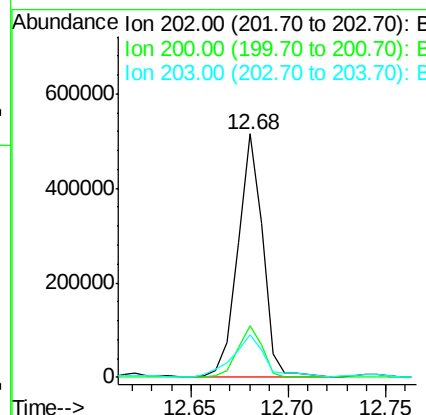
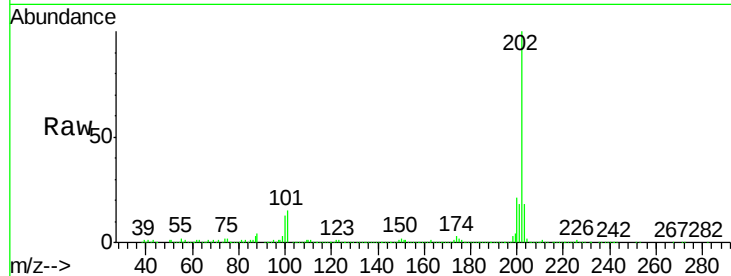
ClientSampleId :

OR-02-011818-B

Tot Ion:	202	Resp:	453197
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.4	26.2
203	17.7	14.3	21.5

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#78

Terphenyl-d14

Concen: 30.772 ng

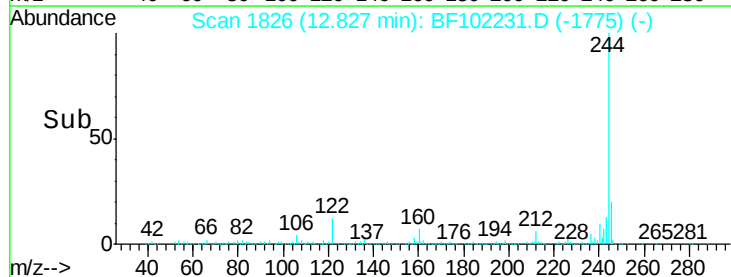
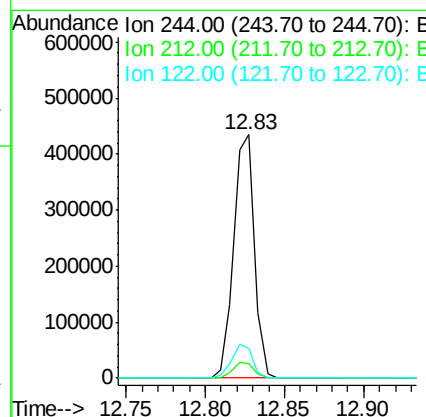
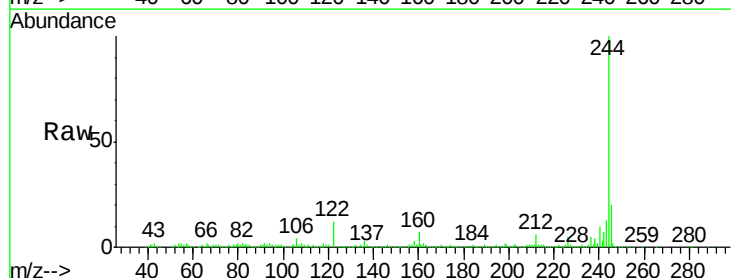
RT: 12.83 min Scan# 1826

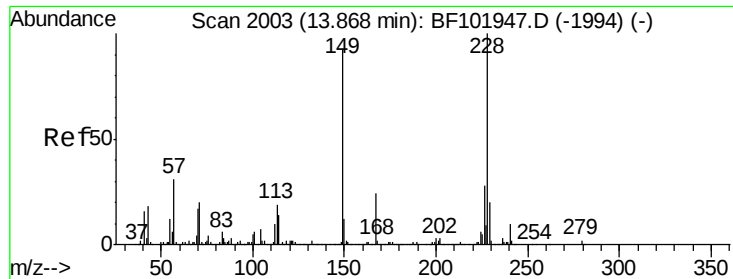
Delta R.T. 0.00 min

Lab File: BF102231.D

Acq: 19 Jan 2018 21:58

Tgt Ion:	244	Resp:	394693
Ion Ratio	Lower	Upper	
244	100		
212	6.1	5.4	8.0
122	12.2	11.0	16.4





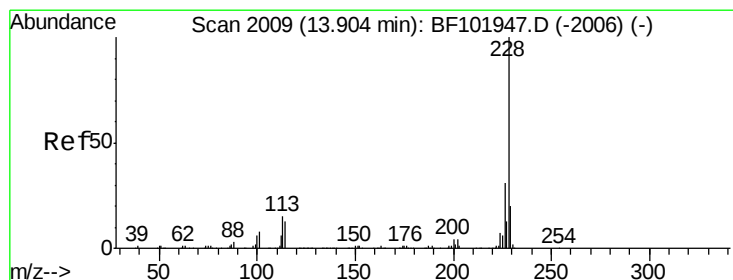
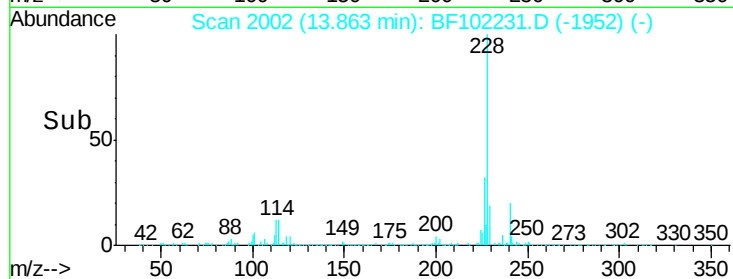
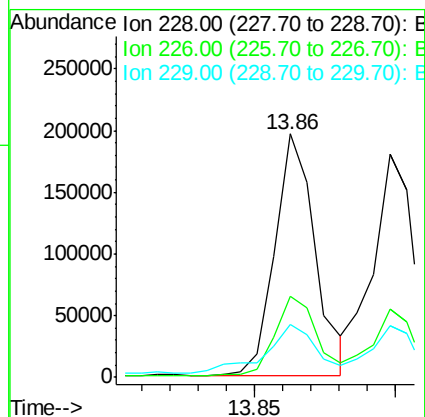
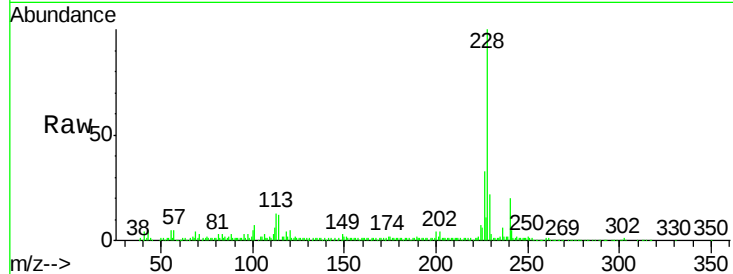
#80
Benzo(a)anthracene
Concen: 11.402 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF102231.D
Acq: 19 Jan 2018 21:58

Instrument :
BNA_F
ClientSampleId :
OR-02-011818-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.2	22.6	33.8
229	21.6	15.8	23.6

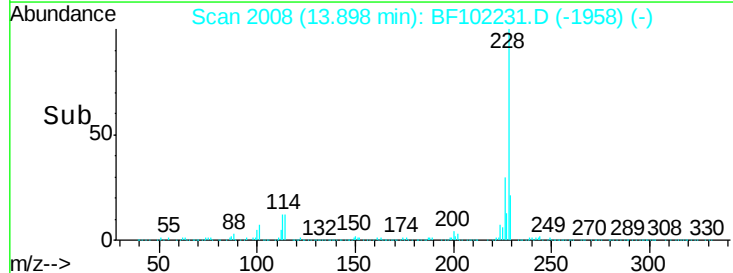
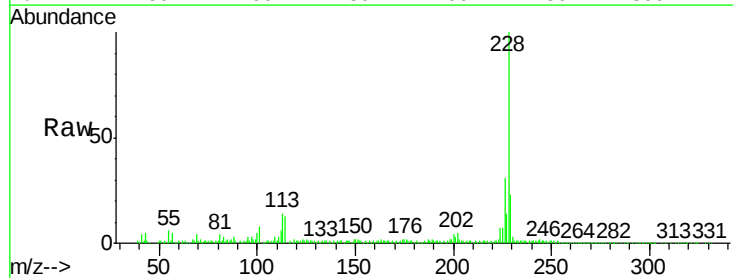
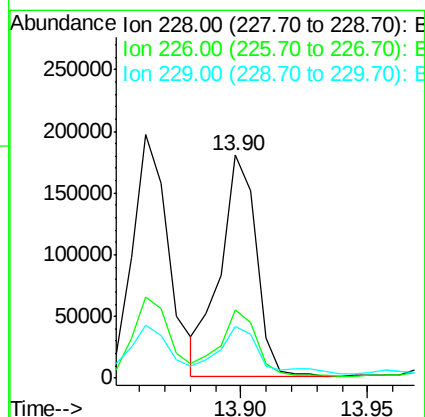
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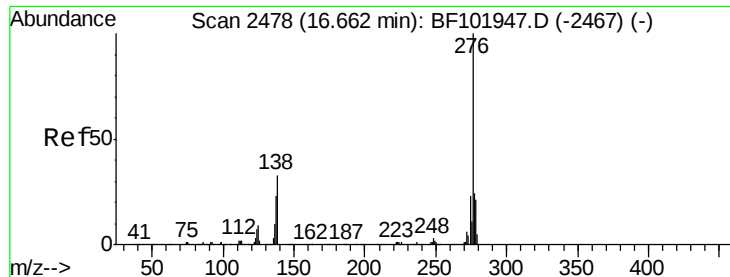
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#82
Chrysene
Concen: 9.971 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102231.D
Acq: 19 Jan 2018 21:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	23.3	16.2	24.4





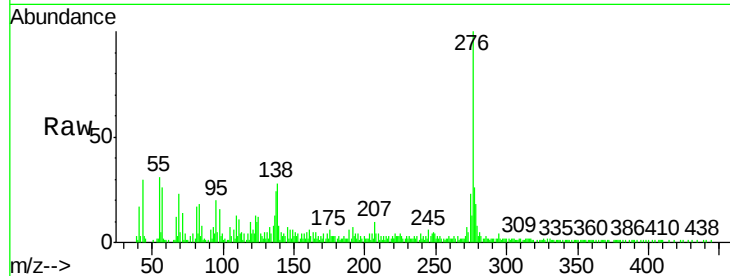
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.151 ng
RT: 16.68 min Scan# 2481
Delta R.T. 0.00 min
Lab File: BF102231.D
Acq: 19 Jan 2018 21:58

Instrument :
BNA_F
ClientSampleId :
OR-02-011818-B

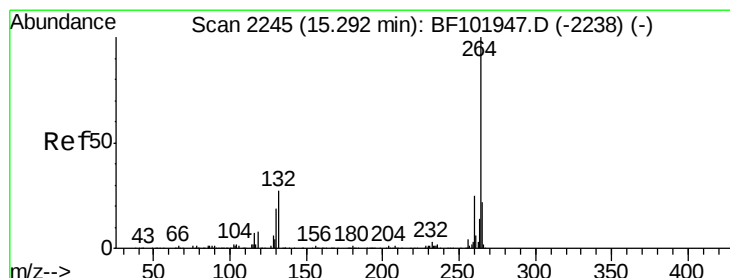
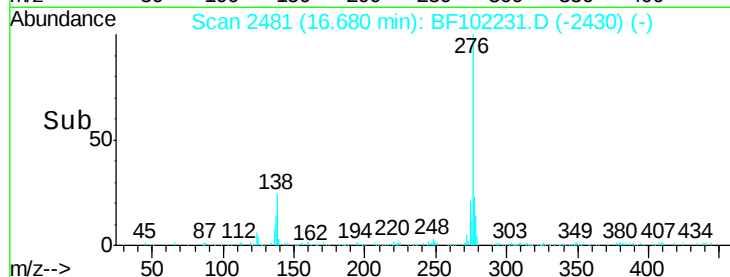
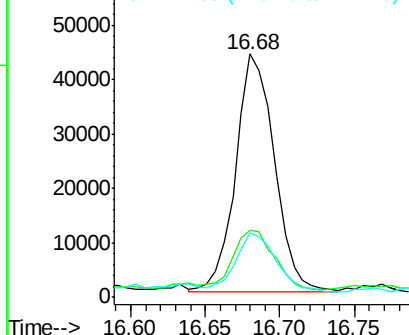
Tot Ion	Ratio	Lower	Upper
276	100		
138	27.0	25.0	37.6
277	25.9	20.1	30.1

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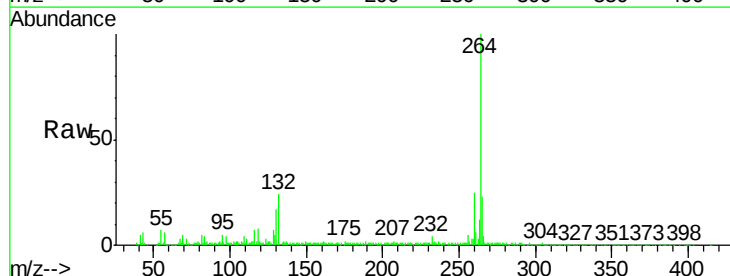


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

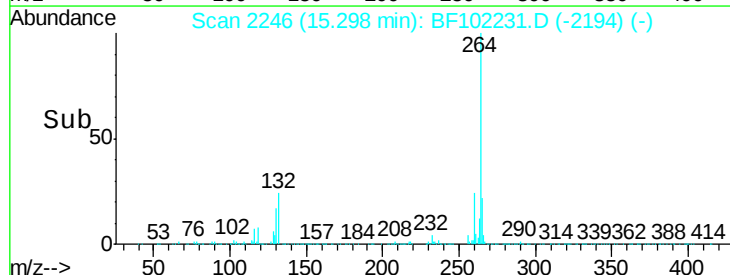
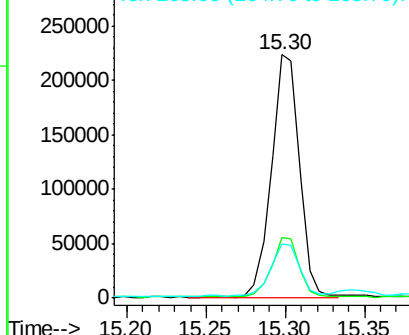


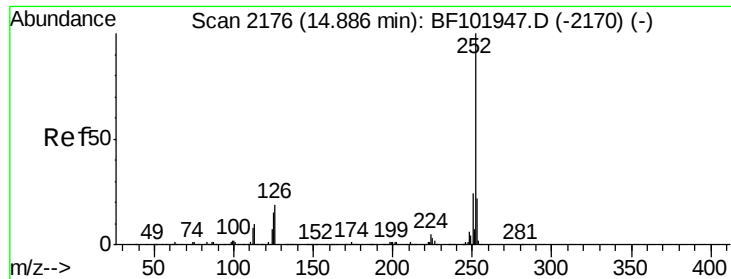
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.01 min
Lab File: BF102231.D
Acq: 19 Jan 2018 21:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.5	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





#87

Benzo(b)fluoranthene

Concen: 12.167 ng m

RT: 14.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: BF102231.D

Acq: 19 Jan 2018 21:58

Instrument :

BNA_F

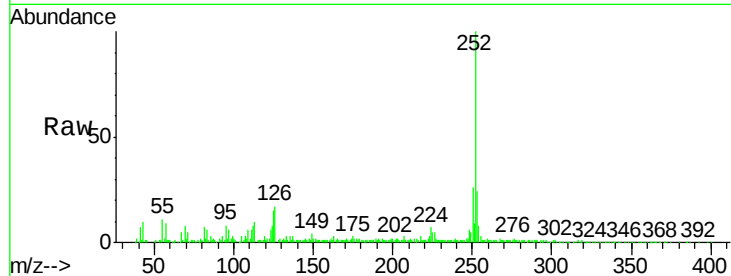
ClientSampleId :

OR-02-011818-B

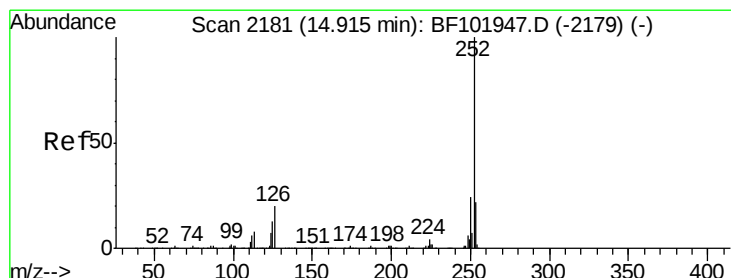
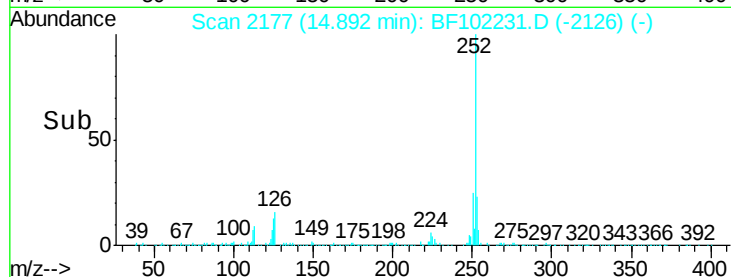
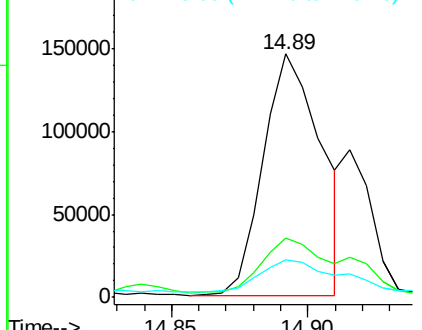
Tot Ion:	252	Resp:	217146
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.0	25.6
125	15.2	9.0	13.6#

Manual Integrations
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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: 3.780 ng m

RT: 14.92 min Scan# 2181

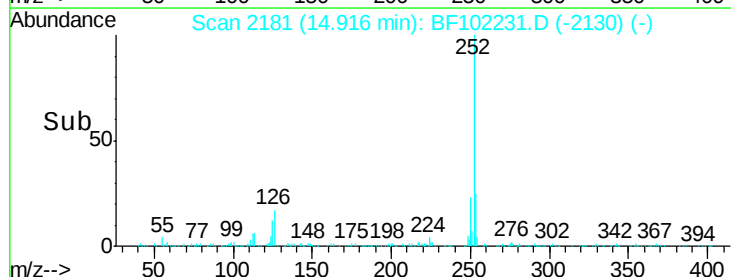
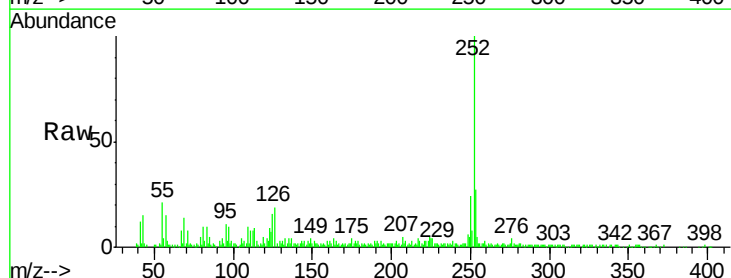
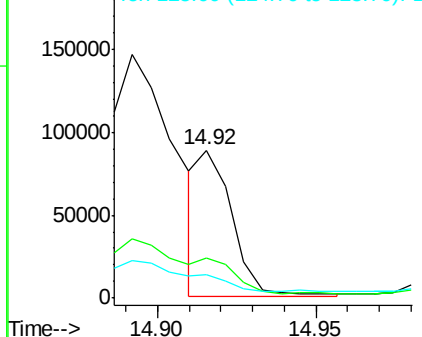
Delta R.T. 0.00 min

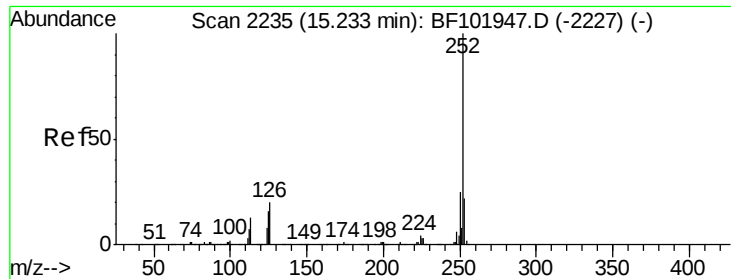
Lab File: BF102231.D

Acq: 19 Jan 2018 21:58

Tgt Ion:	252	Resp:	65080
Ion Ratio	Lower	Upper	
252	100		
253	27.4	17.9	26.9#
125	15.8	10.2	15.2#

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





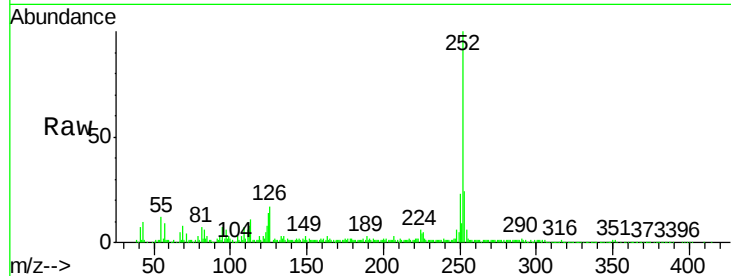
#89
Benzo(a)pyrene
Concen: 10.304 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.01 min
Lab File: BF102231.D
Acq: 19 Jan 2018 21:58

Instrument :
BNA_F
ClientSampleId :
OR-02-011818-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	14.2	9.8	14.6

Manual Integrations
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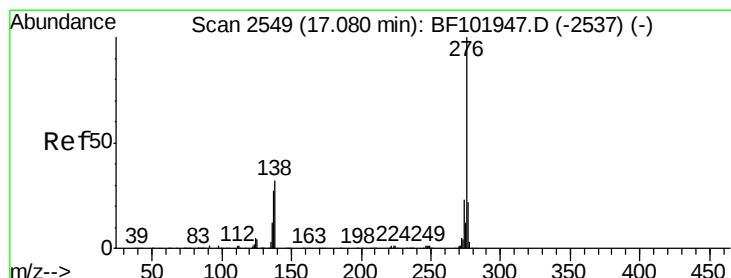
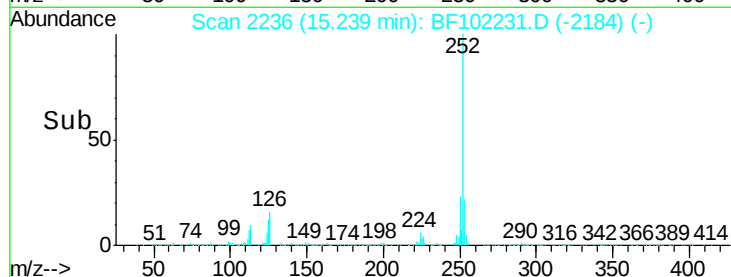
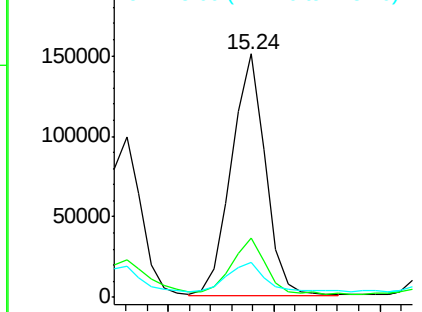


Abundance

Ion 252.00 (251.70 to 252.70): E

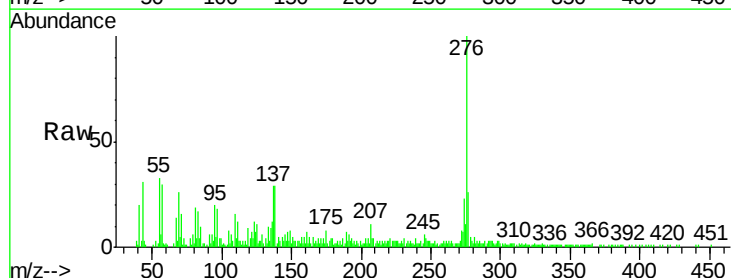
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 5.812 ng
RT: 17.10 min Scan# 2553
Delta R.T. 0.01 min
Lab File: BF102231.D
Acq: 19 Jan 2018 21:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	17.9	26.9
138	29.0	21.8	32.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

