

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013118\
 Data File : BF102665.D
 Acq On : 31 Jan 2018 20:03
 Operator : SJ/JU
 Sample : J1015-24 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-013018-C

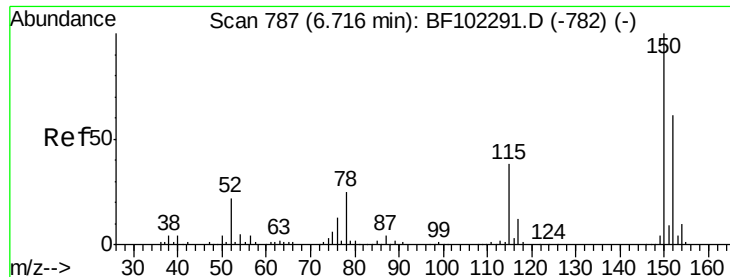
Manual Integrations
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Quant Time: Feb 01 00:31:32 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 18:38:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	134652	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	518573	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	191265	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	269657	20.00	ng	0.00
75) Chrysene-d12	13.86	240	267930	20.00	ng	0.00
86) Perylene-d12	15.29	264	264049	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	196401	22.12	ng	0.00
7) Phenol-d6	6.35	99	232377	21.70	ng	0.00
23) Nitrobenzene-d5	7.27	82	131726	14.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	30054	15.86	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	233677	17.96	ng	0.00
78) Terphenyl-d14	12.80	244	168216	14.15	ng	-0.01
Target Compounds						Qvalue
51) Acenaphthene	9.77	154	27316	2.258	ng	98
57) Fluorene	10.29	166	33888	2.613	ng	99
70) Phenanthrene	11.25	178	352707	22.446	ng	98
71) Anthracene	11.30	178	94869	5.915	ng	98
72) Carbazole	11.46	167	47968	3.066	ng	98
74) Fluoranthene	12.43	202	492992	30.766	ng	99
77) Pyrene	12.66	202	453276	21.881	ng	100
80) Benzo(a)anthracene	13.85	228	242681	14.712	ng	99
82) Chrysene	13.89	228	245408	14.650	ng	98
85) Indeno(1,2,3-cd)pyrene	16.68	276	99718	7.208	ng	96
87) Benzo(b)fluoranthene	14.88	252	303213m	17.717	ng	
88) Benzo(k)fluoranthene	14.90	252	81229m	5.024	ng	
89) Benzo(a)pyrene	15.23	252	208915	13.535	ng	# 93
91) Benzo(a,h,i)perylene	17.10	276	100661	8.154	ng	97

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



#1

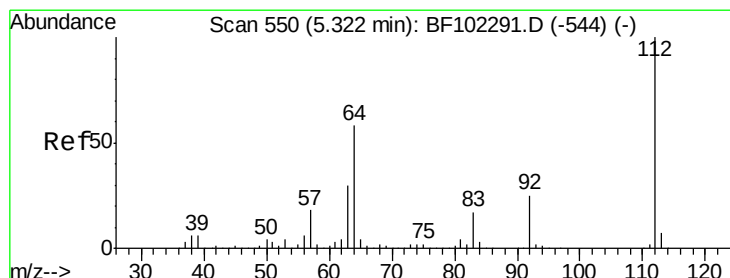
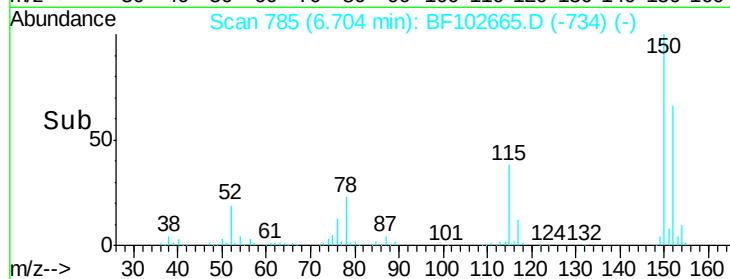
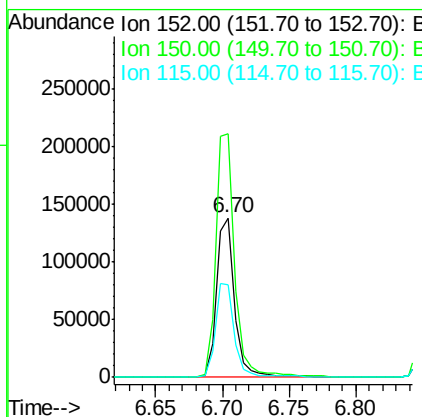
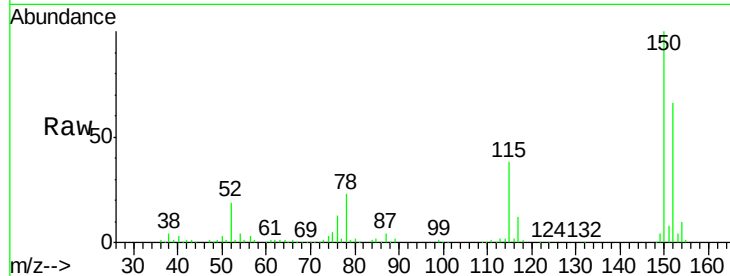
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF102665.D
Acq: 31 Jan 2018 20:03

Instrument :
BNA_F
ClientSampleId :
CL-02-013018-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	124.6	186.8
115	57.7	50.1	75.1

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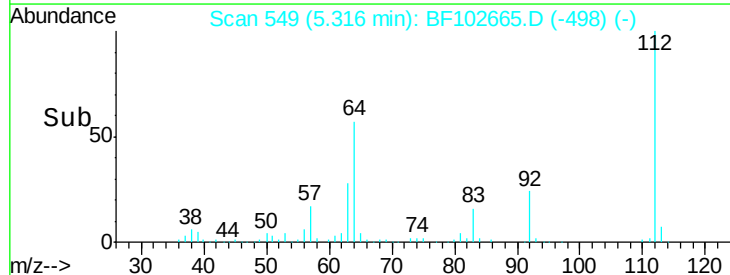
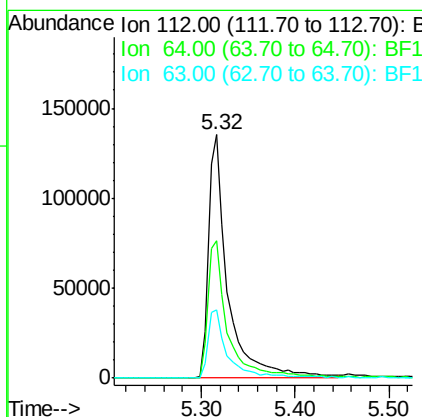
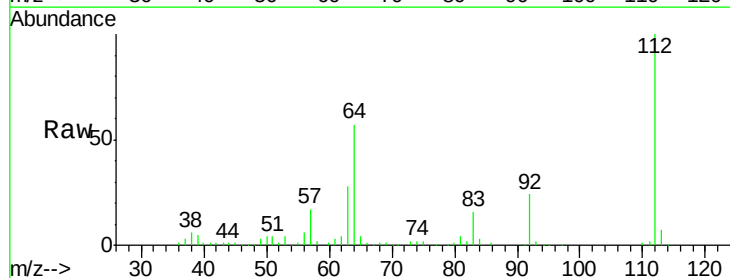
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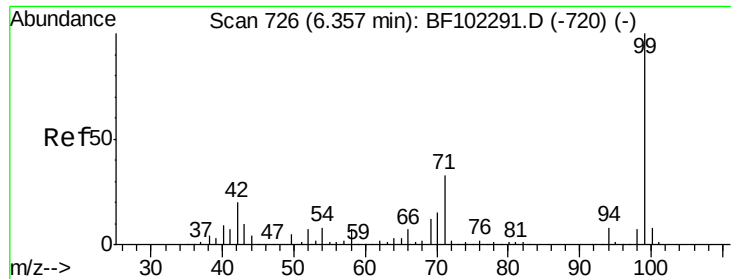


#5

2-Fluorophenol
Concen: 22.116 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF102665.D
Acq: 31 Jan 2018 20:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	47.9	71.9
63	28.3	23.7	35.5





#7

Phenol-d6

Concen: 21.705 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF102665.D

Acq: 31 Jan 2018 20:03

Instrument :

BNA_F

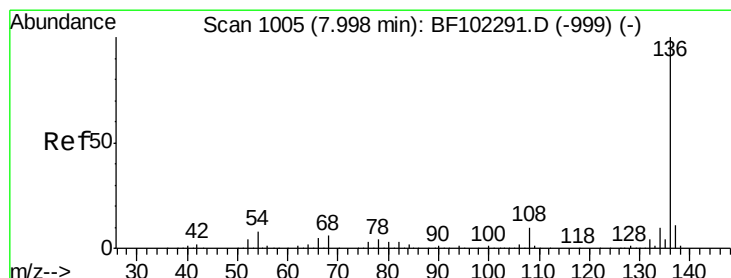
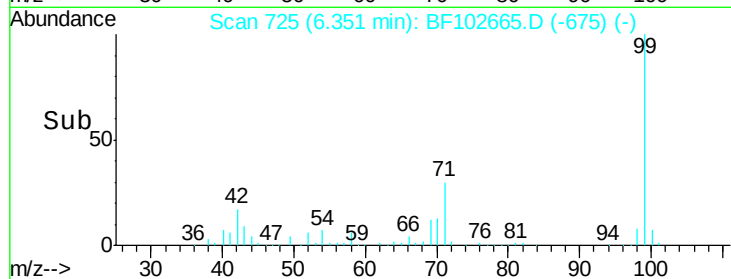
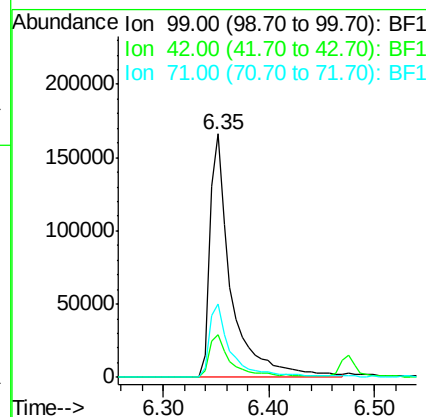
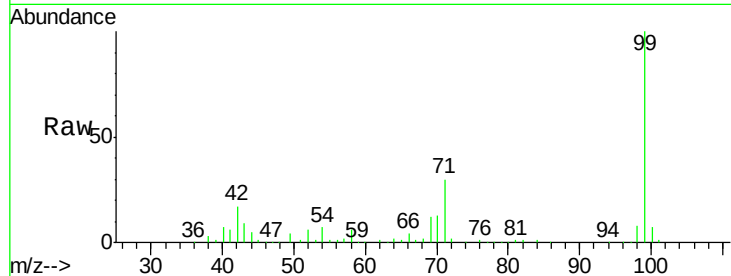
ClientSampleId :

CL-02-013018-C

Tot Ion:	99	Resp:	232377
Ion Ratio	Lower	Upper	
99	100		
42	17.4	14.5	21.7
71	30.1	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

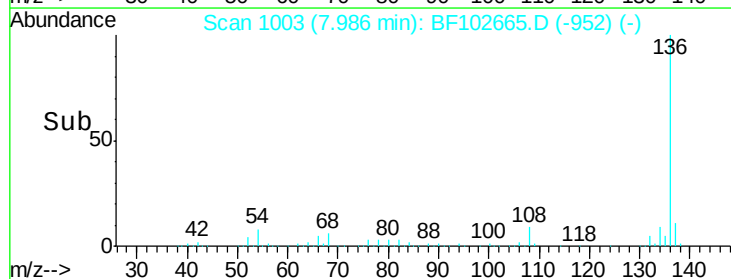
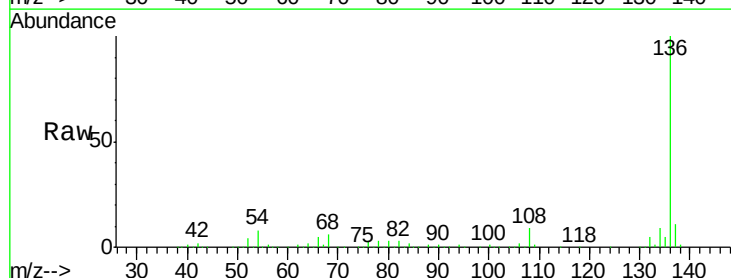
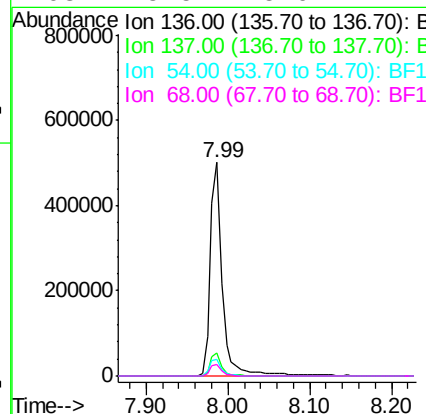
RT: 7.99 min Scan# 1003

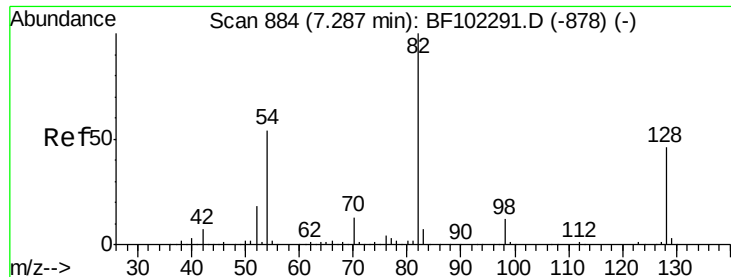
Delta R.T. 0.00 min

Lab File: BF102665.D

Acq: 31 Jan 2018 20:03

Tgt Ion:	136	Resp:	518573
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	7.7	6.6	9.8
68	5.5	5.0	7.4





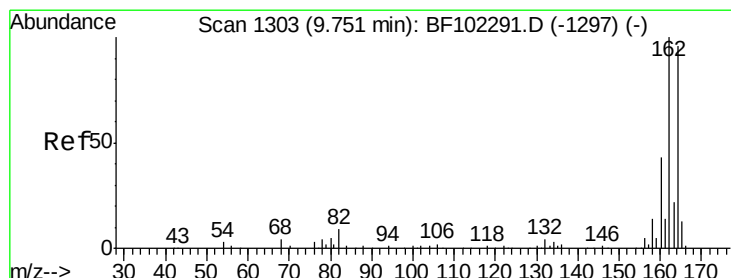
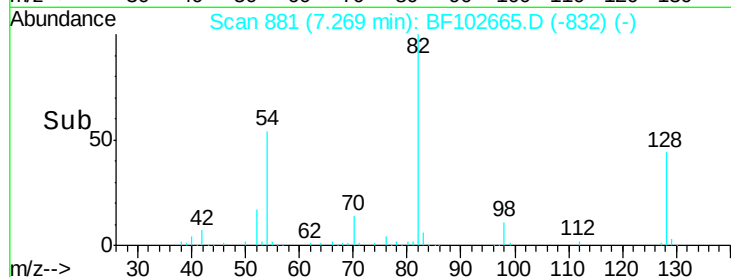
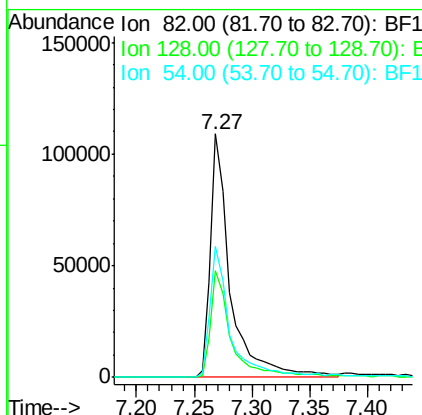
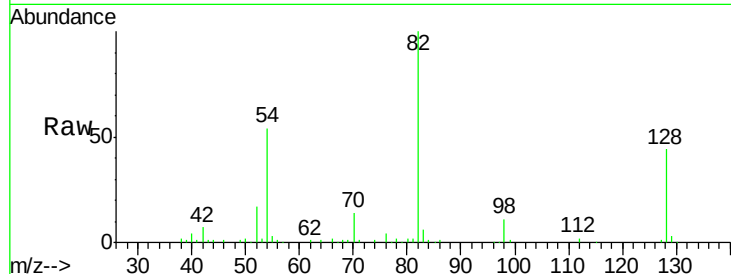
#23
 Nitrobenzene-d5
 Concen: 14.598 ng
 RT: 7.27 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: BF102665.D
 Acq: 31 Jan 2018 20:03

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-013018-C

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.7	36.1	54.1
54	53.8	41.4	62.2

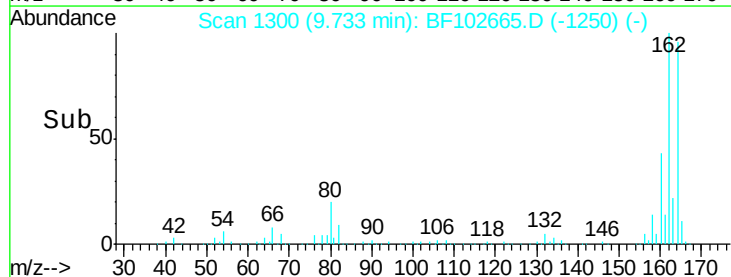
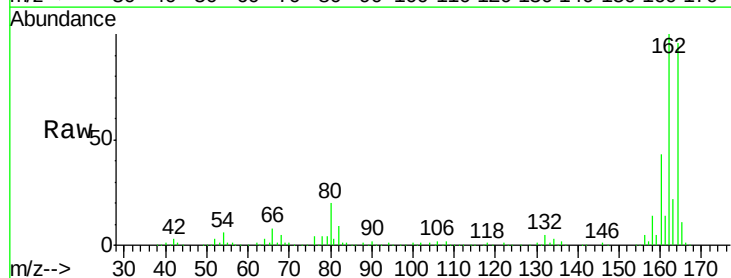
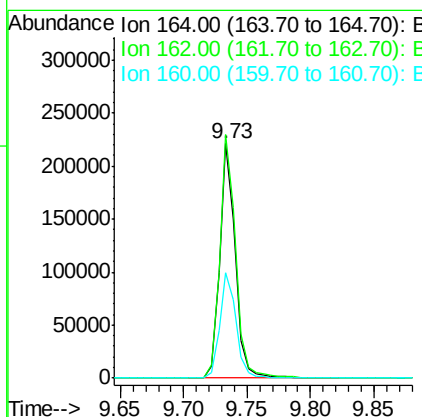
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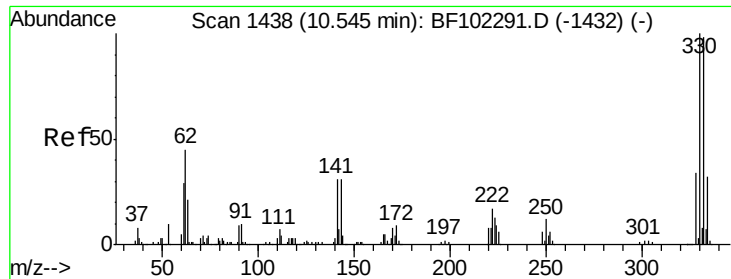
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF102665.D
 Acq: 31 Jan 2018 20:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	86.1	129.1
160	44.9	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 15.858 ng

RT: 10.53 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BF102665.D

Acq: 31 Jan 2018 20:03

Instrument :

BNA_F

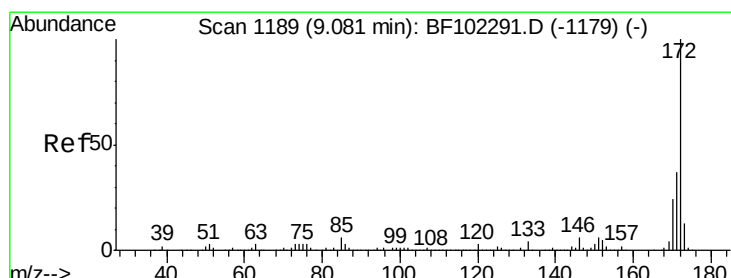
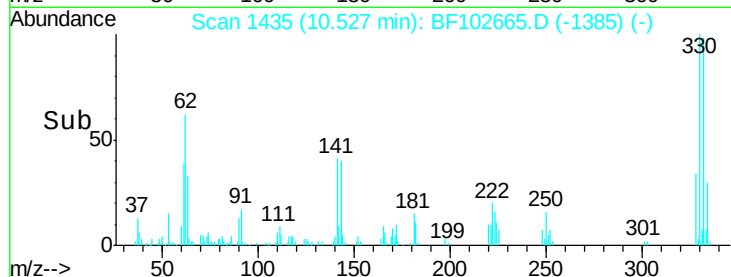
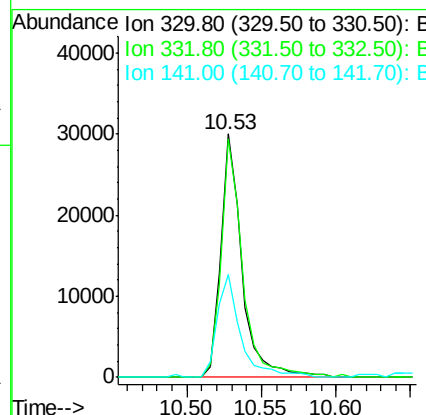
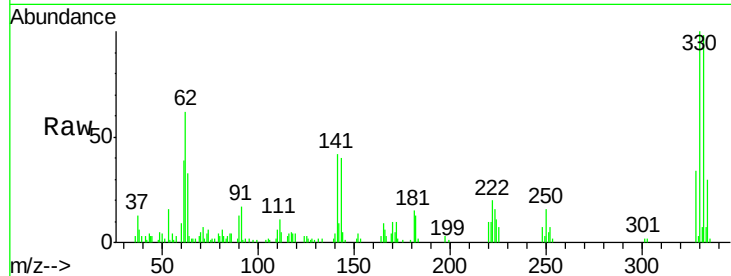
ClientSampleId :

CL-02-013018-C

Tot Ion:	330	Resp:	30054
Ion Ratio	Lower	Upper	
330	100		
332	99.5	77.0	115.6
141	46.0	29.9	44.9#

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#44

2-Fluorobiphenyl

Concen: 17.964 ng

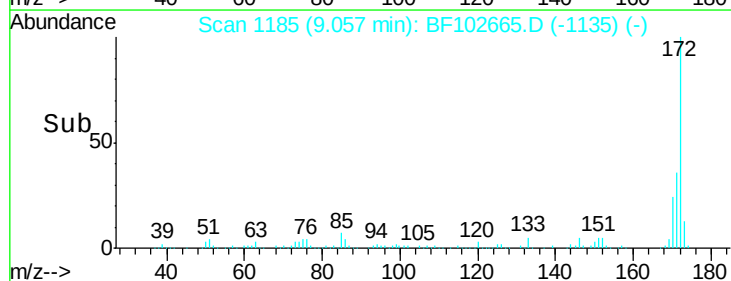
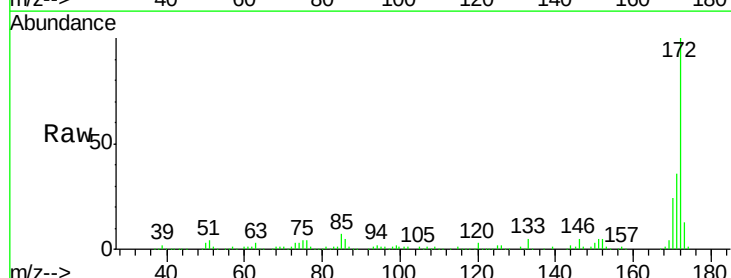
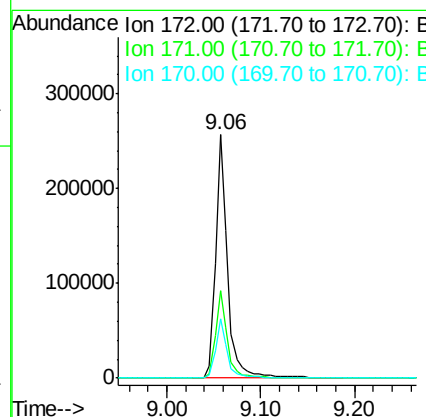
RT: 9.06 min Scan# 1185

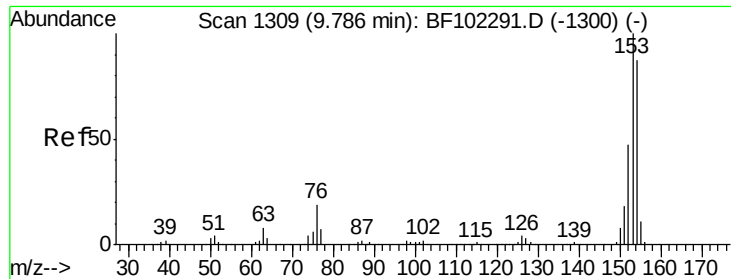
Delta R.T. -0.01 min

Lab File: BF102665.D

Acq: 31 Jan 2018 20:03

Tgt Ion:	172	Resp:	233677
Ion Ratio	Lower	Upper	
172	100		
171	36.0	29.7	44.5
170	24.1	19.6	29.4





#51

Acenaphthene

Concen: 2.258 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BF102665.D

Acq: 31 Jan 2018 20:03

Instrument :

BNA_F

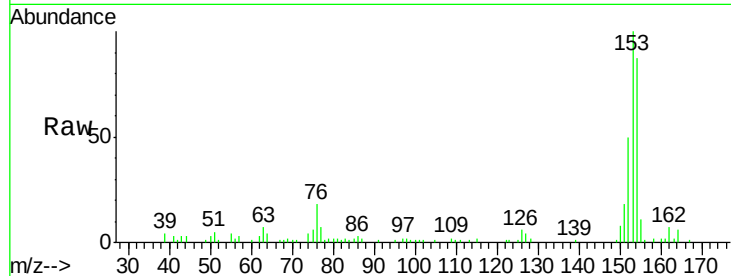
ClientSampleId :

CL-02-013018-C

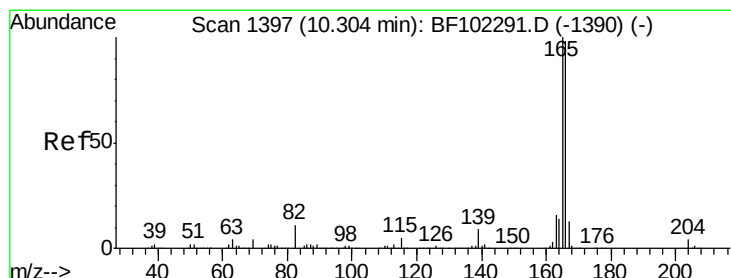
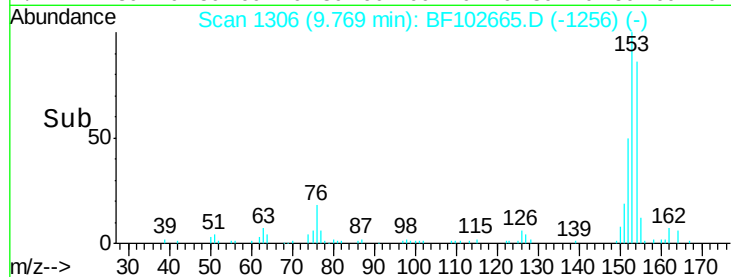
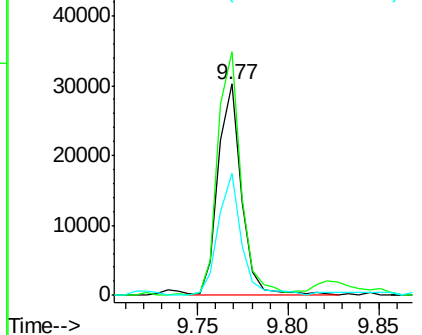
Tot Ion:	154	Resp:	27316
Ion Ratio	Lower	Upper	
154	100		
153	115.2	91.2	136.8
152	57.9	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 2.613 ng

RT: 10.29 min Scan# 1394

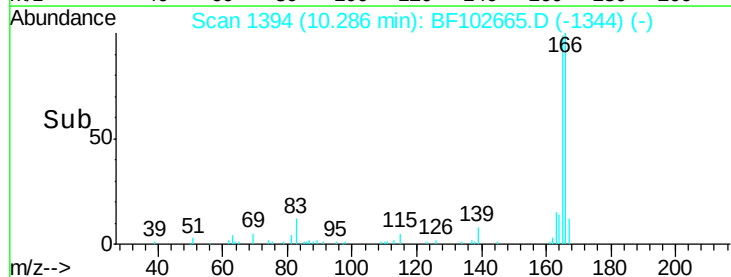
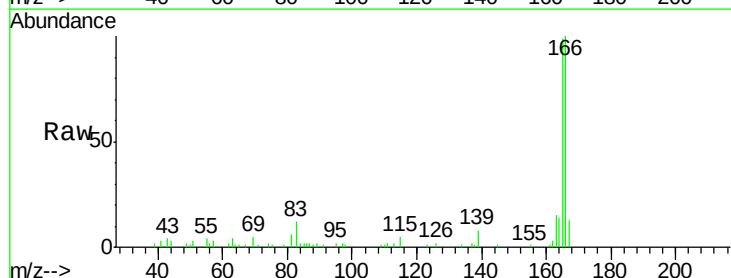
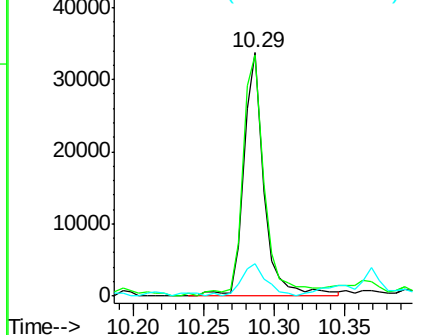
Delta R.T. -0.01 min

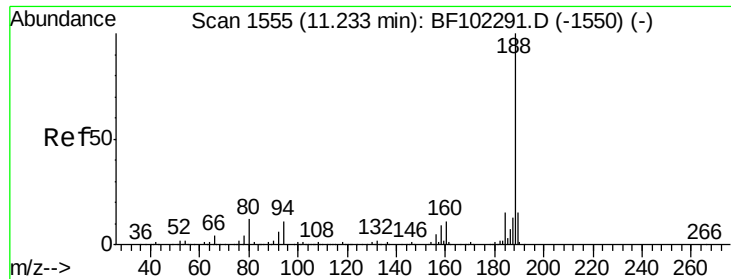
Lab File: BF102665.D

Acq: 31 Jan 2018 20:03

Tgt Ion:	166	Resp:	33888
Ion Ratio	Lower	Upper	
166	100		
165	99.0	79.8	119.8
167	13.3	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





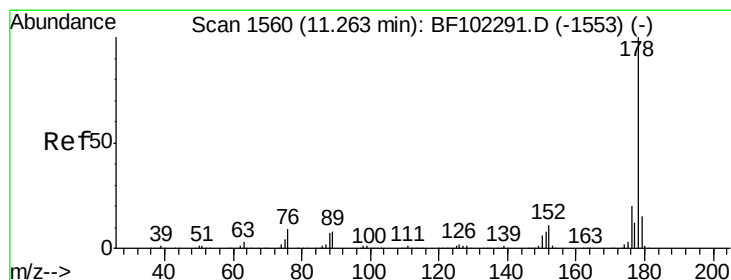
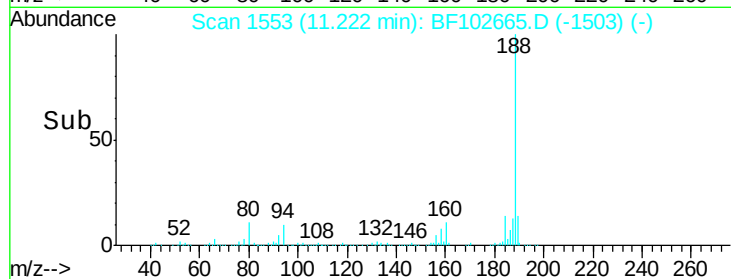
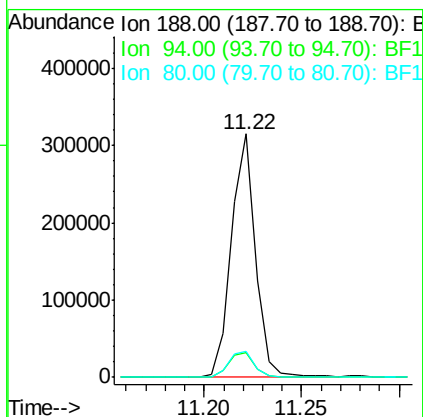
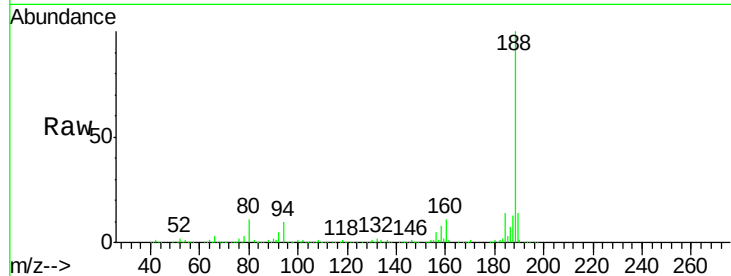
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF102665.D
Acq: 31 Jan 2018 20:03

Instrument :
BNA_F
ClientSampleId :
CL-02-013018-C

Tot Ion	Ratio	Resp	Lower	Upper
188	100	269657		
94	10.0		8.5	12.7
80	10.6		9.2	13.8

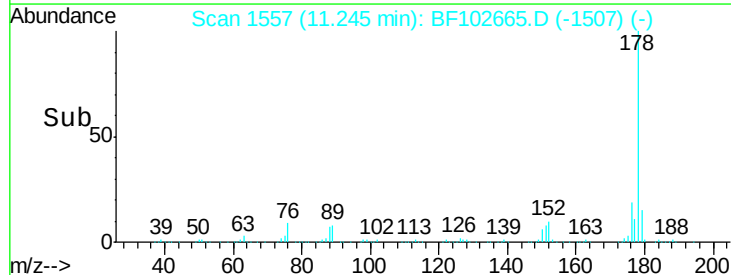
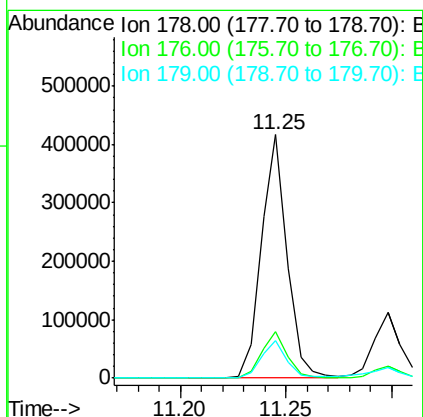
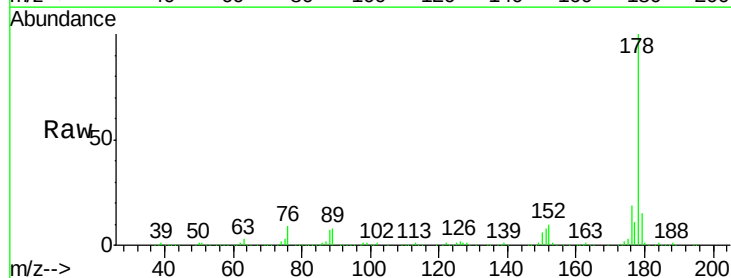
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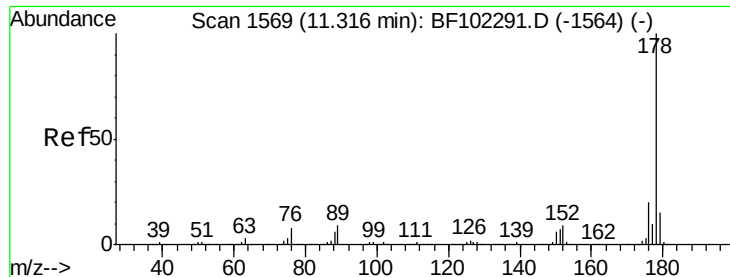
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#70
Phenanthrene
Concen: 22.446 ng
RT: 11.25 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF102665.D
Acq: 31 Jan 2018 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	352707		
176	19.2		15.8	23.8
179	15.5		13.0	19.6





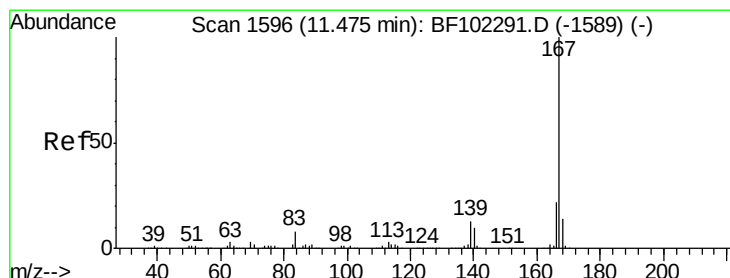
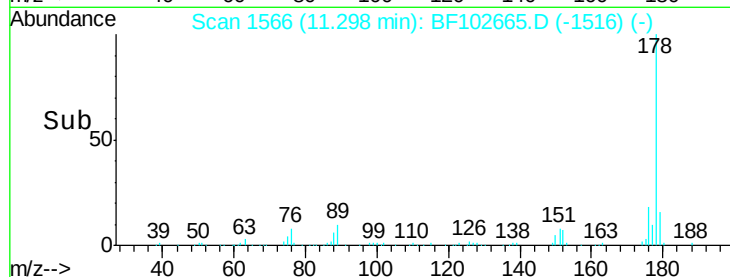
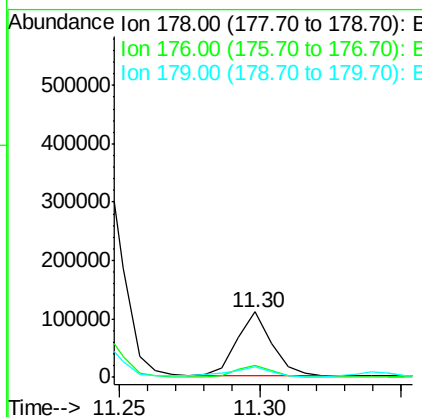
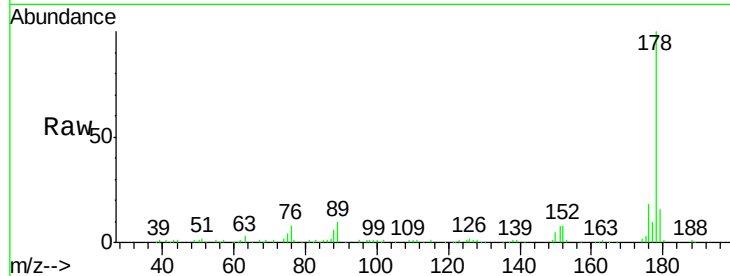
#71
 Anthracene
 Concen: 5.915 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: BF102665.D
 Acq: 31 Jan 2018 20:03

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-013018-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.2
179	15.9	12.6	19.0

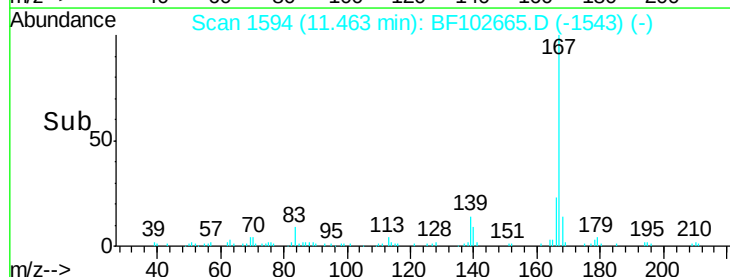
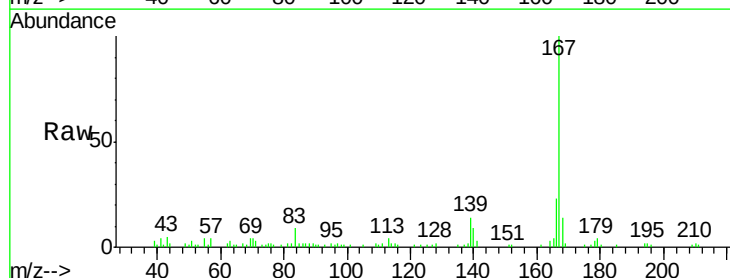
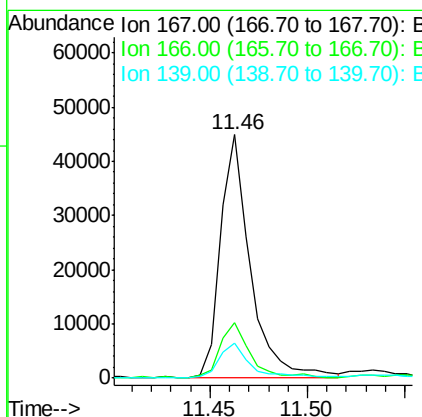
Manual Integrations
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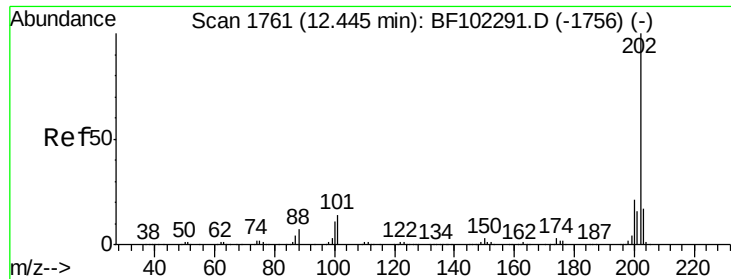
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#72
 Carbazole
 Concen: 3.066 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: BF102665.D
 Acq: 31 Jan 2018 20:03

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.6	26.4
139	14.1	10.9	16.3





#74

Fluoranthene

Concen: 30.766 ng

RT: 12.43 min Scan# 1759

Delta R.T. -0.01 min

Lab File: BF102665.D

Acq: 31 Jan 2018 20:03

Instrument :

BNA_F

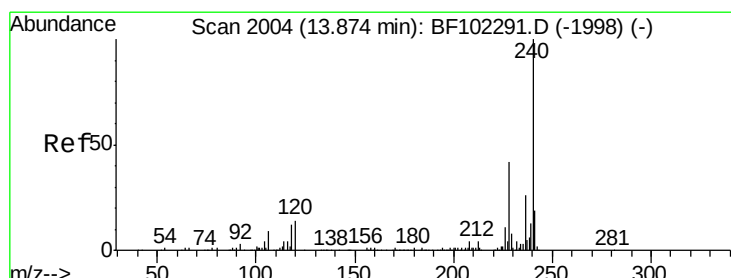
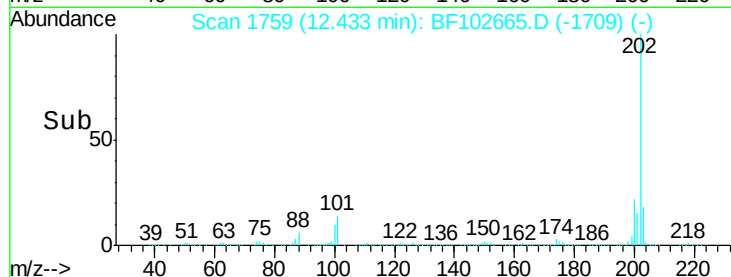
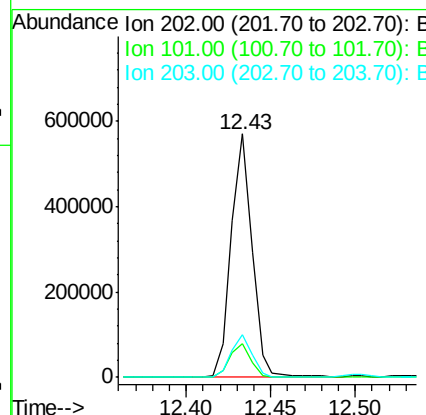
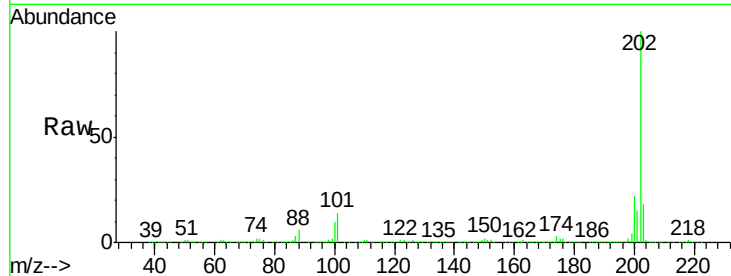
ClientSampleId :

CL-02-013018-C

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.7	0.0	34.1
203	17.6	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

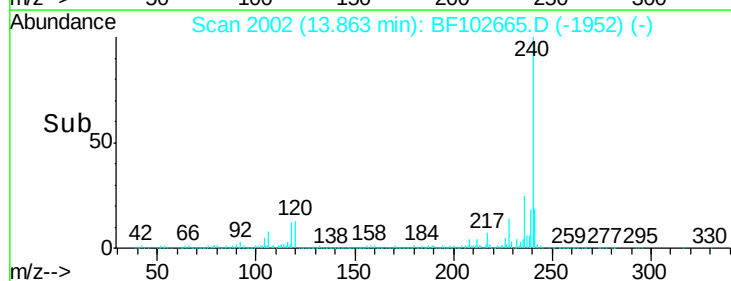
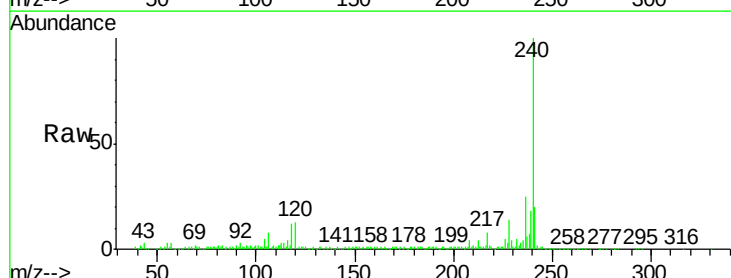
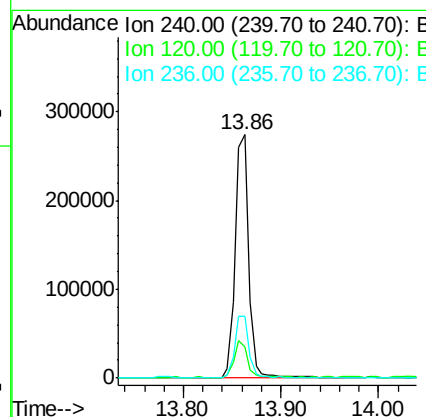
RT: 13.86 min Scan# 2002

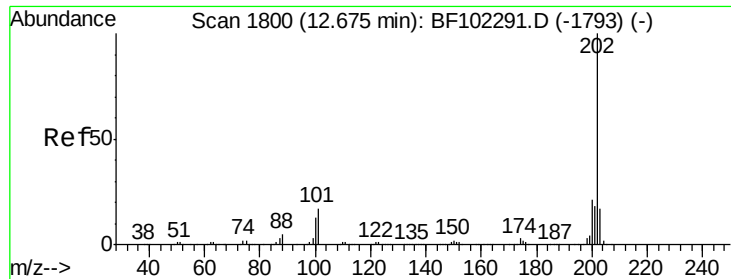
Delta R.T. -0.01 min

Lab File: BF102665.D

Acq: 31 Jan 2018 20:03

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.0	9.5	14.3
236	25.5	20.7	31.1





#77

Pvrene

Concen: 21.881 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BF102665.D

Acq: 31 Jan 2018 20:03

Instrument :

BNA_F

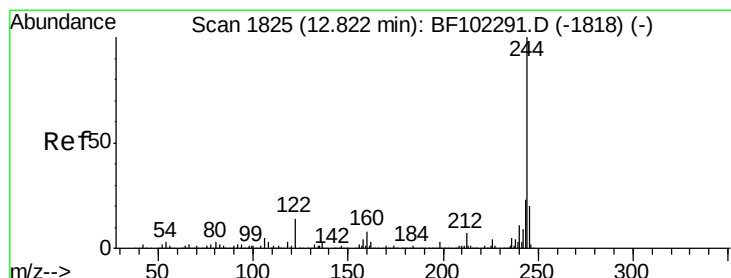
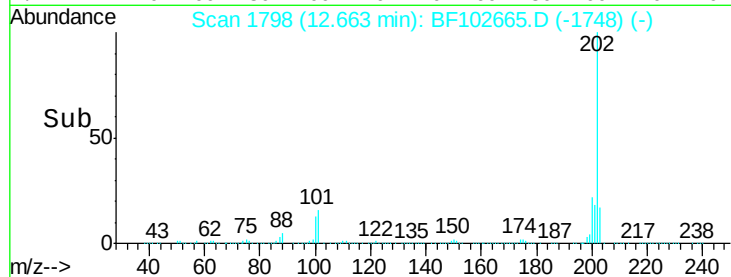
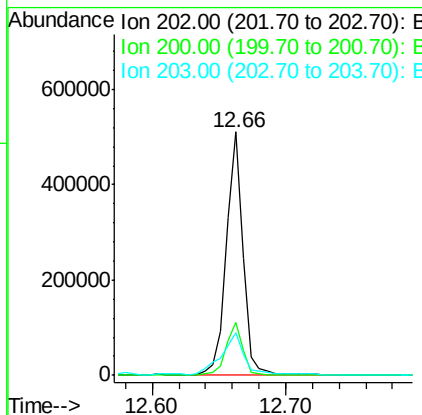
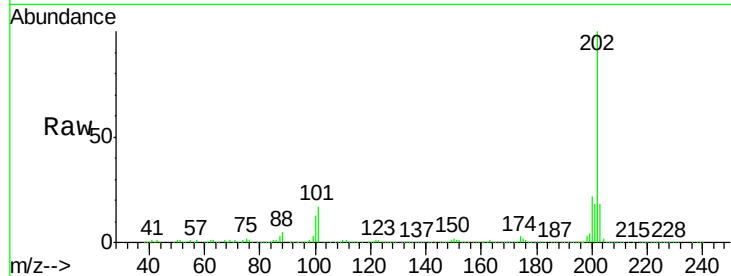
ClientSampleId :

CL-02-013018-C

Tot Ion:	202	Resp:	453276
Ion Ratio		Lower	Upper
202	100		
200	21.9	17.4	26.2
203	17.8	14.3	21.5

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#78

Terphenyl-d14

Concen: 14.154 ng

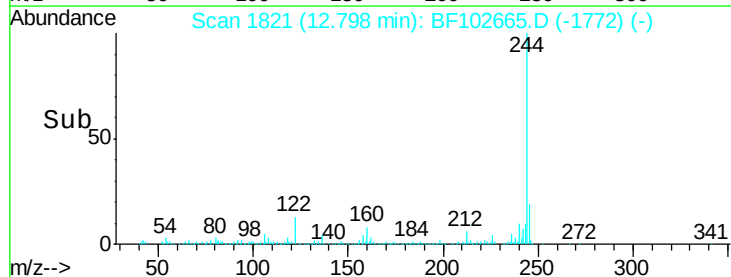
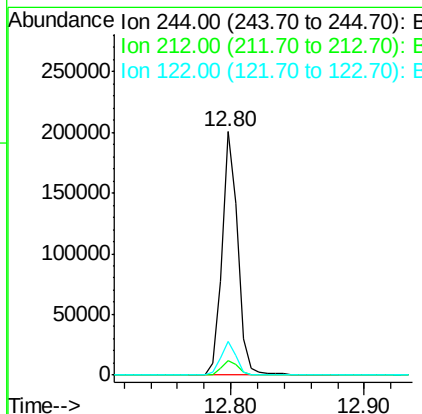
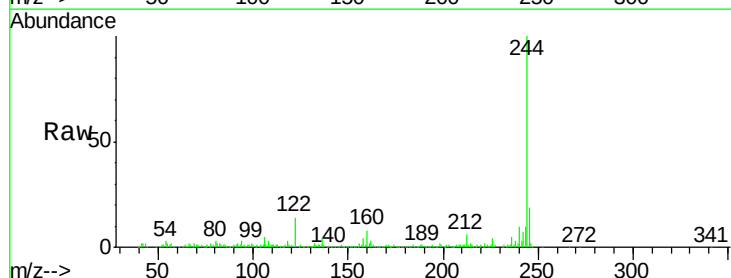
RT: 12.80 min Scan# 1821

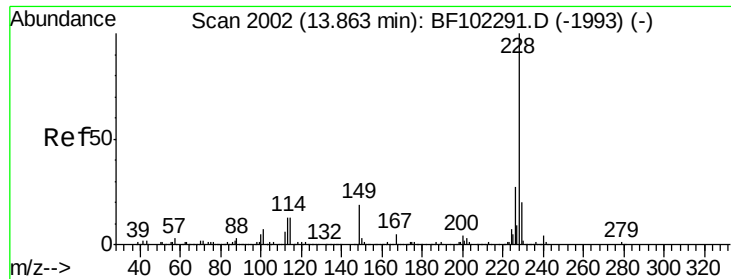
Delta R.T. -0.01 min

Lab File: BF102665.D

Acq: 31 Jan 2018 20:03

Tgt Ion:	244	Resp:	168216
Ion Ratio		Lower	Upper
244	100		
212	6.2	5.4	8.0
122	13.6	11.0	16.4





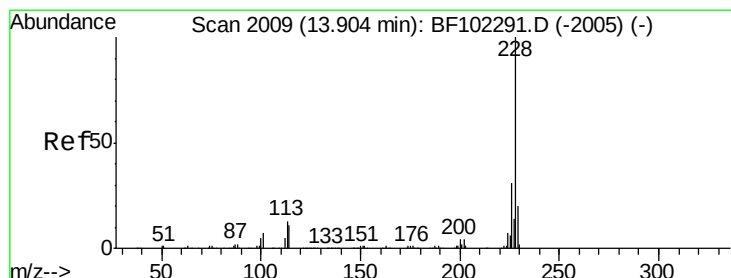
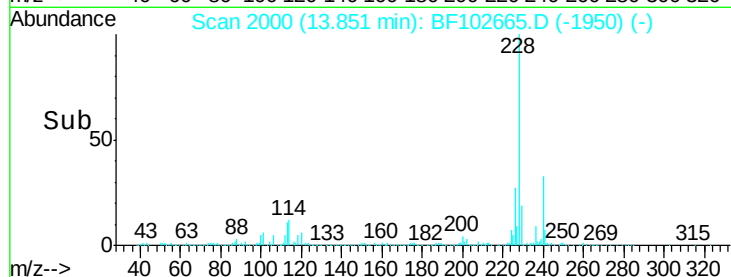
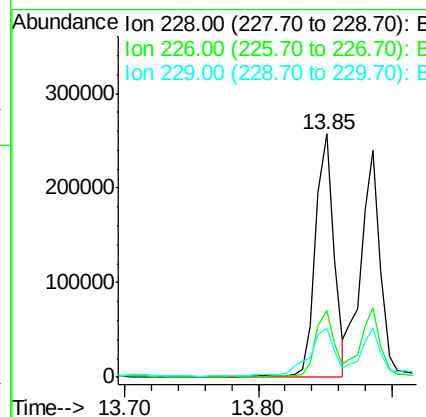
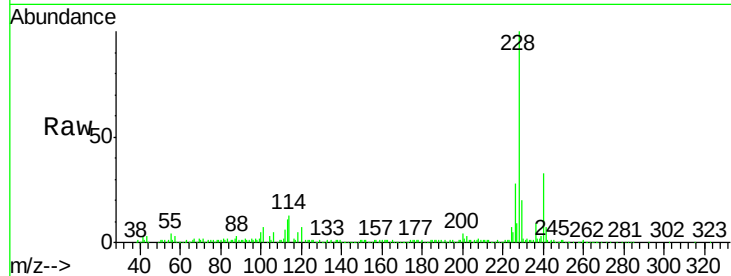
#80
Benzo(a)anthracene
Concen: 14.712 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF102665.D
Acq: 31 Jan 2018 20:03

Instrument :
BNA_F
ClientSampleId :
CL-02-013018-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	20.1	15.8	23.6

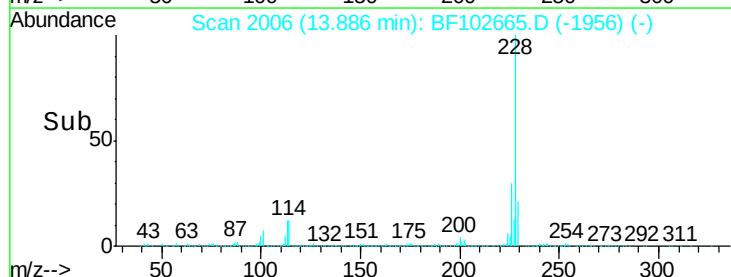
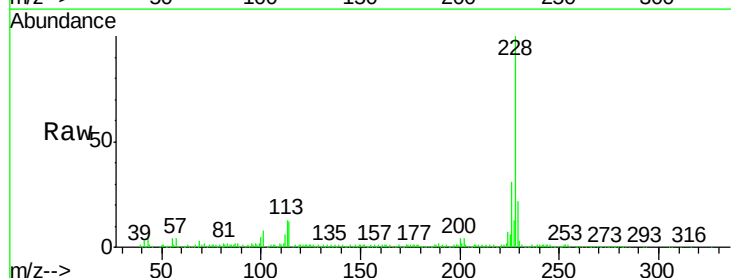
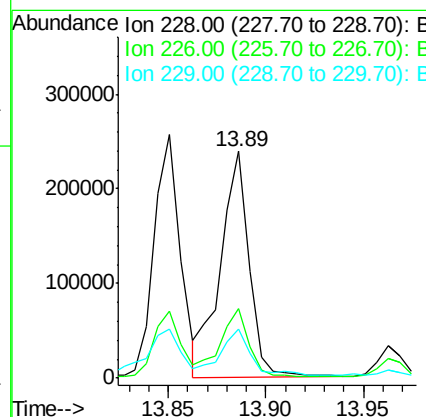
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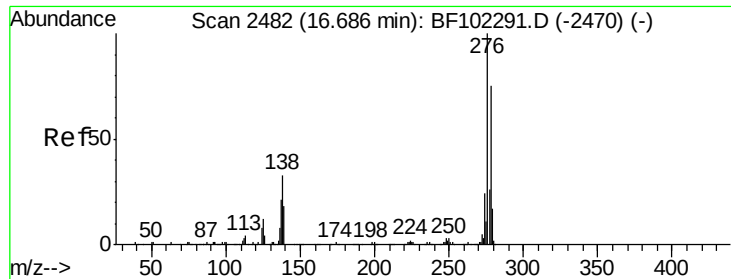
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#82
Chrysene
Concen: 14.650 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF102665.D
Acq: 31 Jan 2018 20:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	21.8	16.2	24.4





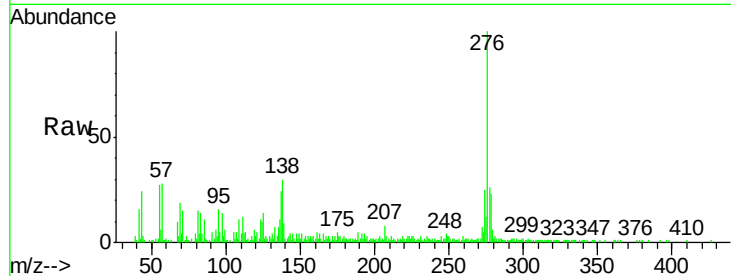
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.208 ng
RT: 16.68 min Scan# 2481
Delta R.T. -0.01 min
Lab File: BF102665.D
Acq: 31 Jan 2018 20:03

Instrument :
BNA_F
ClientSampleId :
CL-02-013018-C

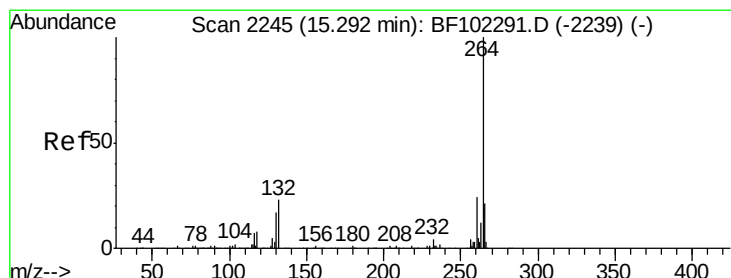
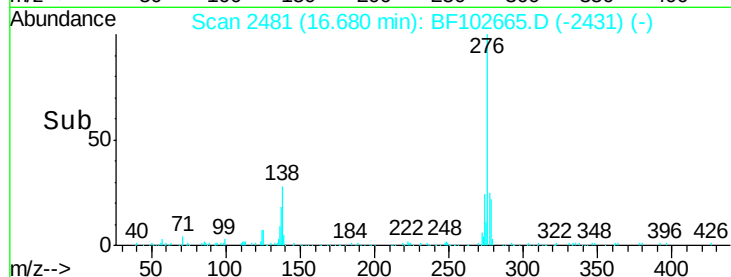
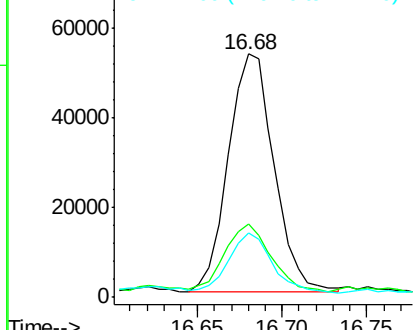
Tot Ion	Ratio	Lower	Upper
276	100		
138	28.4	25.0	37.6
277	23.6	20.1	30.1

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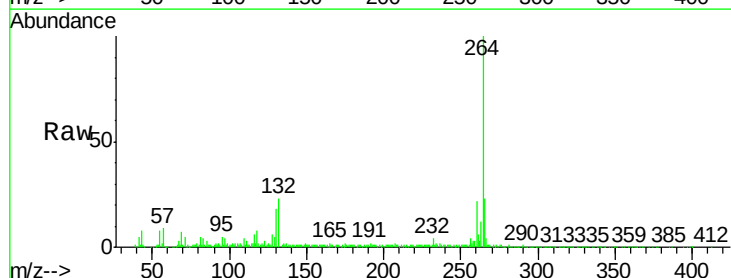


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

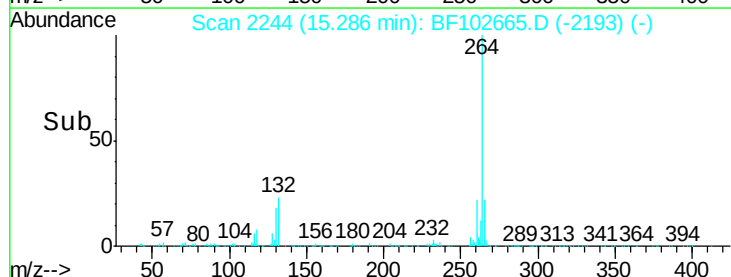
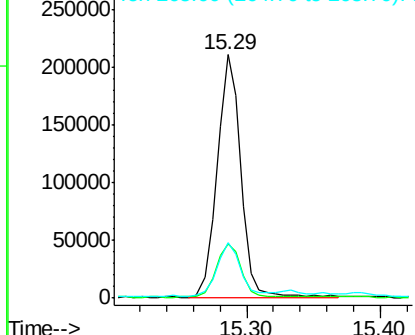


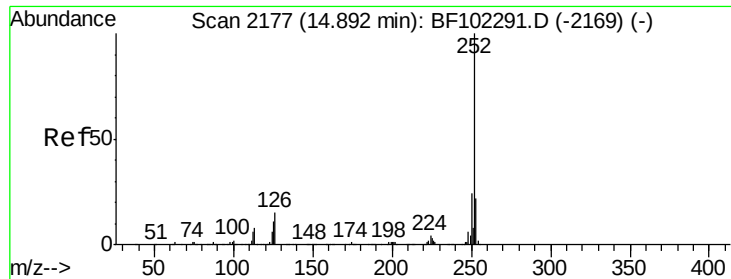
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.00 min
Lab File: BF102665.D
Acq: 31 Jan 2018 20:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.2	28.8
265	22.8	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: 17.717 ng m

RT: 14.88 min Scan# 2175

Delta R.T. 0.00 min

Lab File: BF102665.D

Acq: 31 Jan 2018 20:03

Instrument :

BNA_F

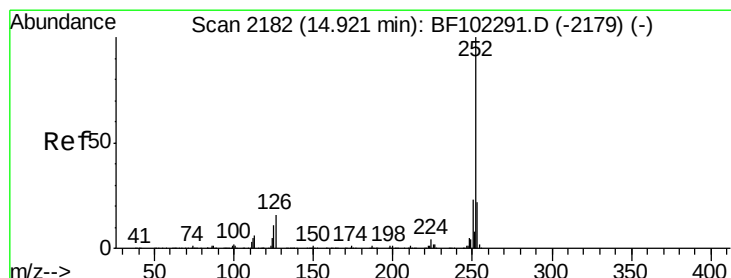
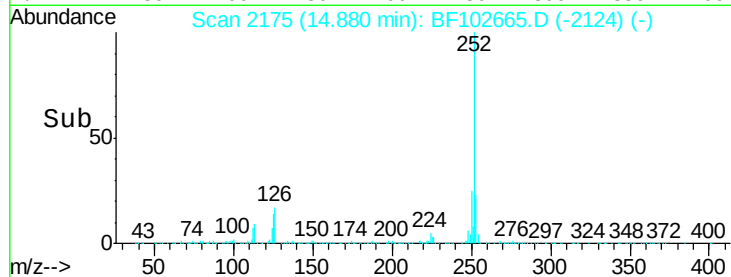
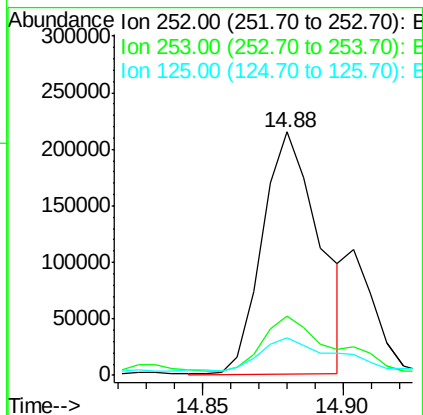
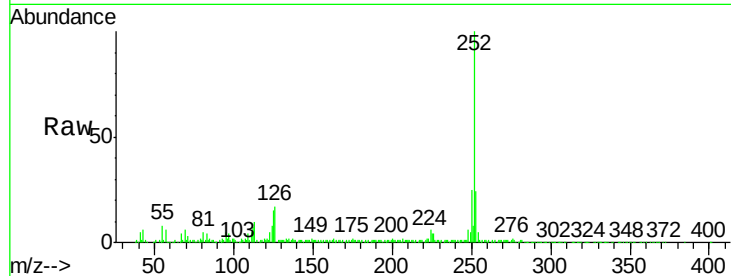
ClientSampleId :

CL-02-013018-C

Tot Ion:	252	Resp:	303213
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.0	25.6
125	15.4	9.0	13.6#

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#88

Benzo(k)fluoranthene

Concen: 5.024 ng m

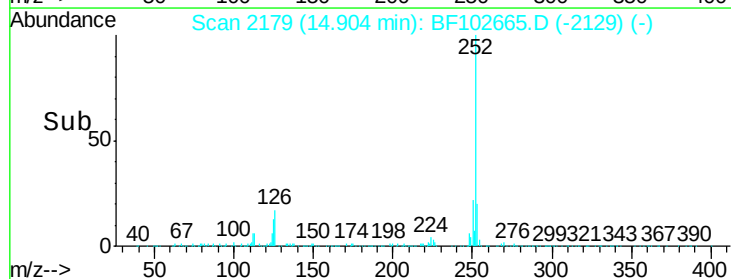
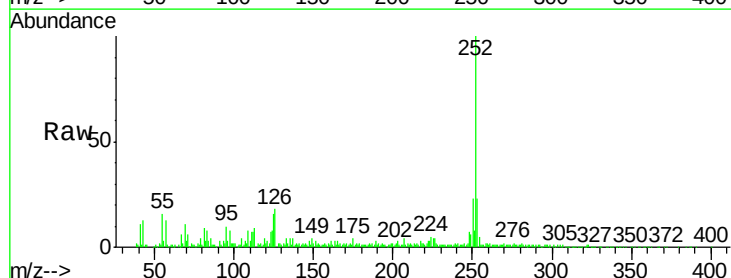
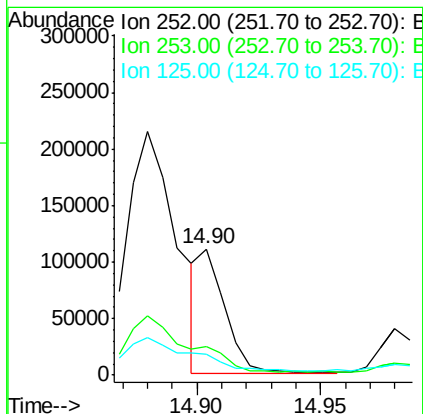
RT: 14.90 min Scan# 2179

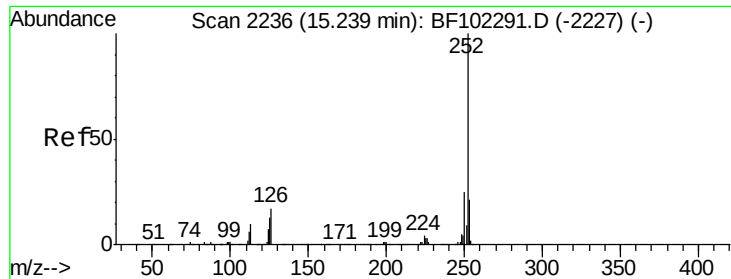
Delta R.T. -0.01 min

Lab File: BF102665.D

Acq: 31 Jan 2018 20:03

Tgt Ion:	252	Resp:	81229
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.9	26.9
125	16.2	10.2	15.2#





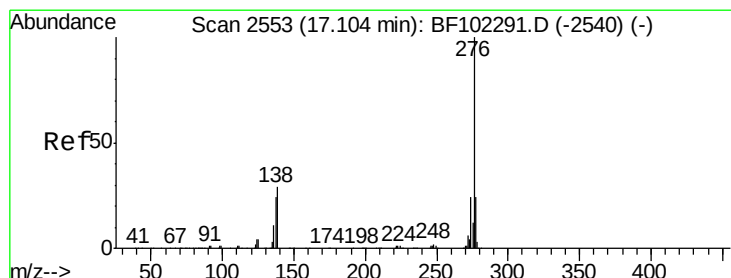
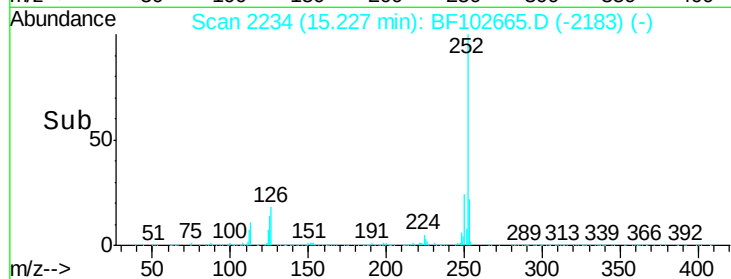
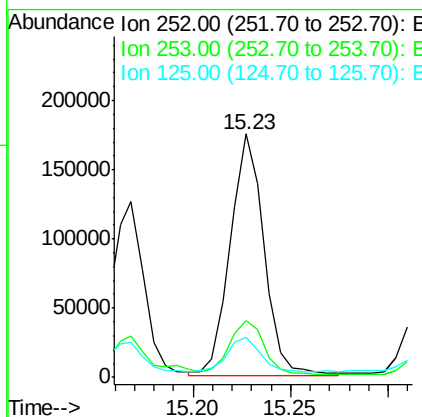
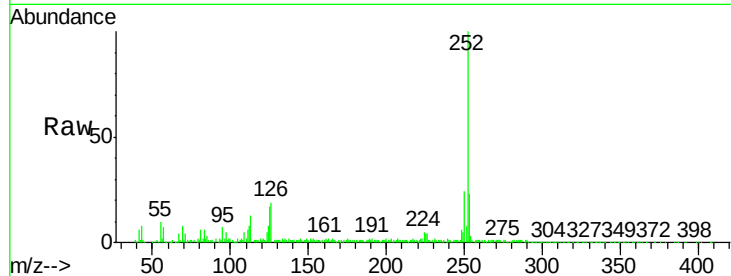
#89
Benzo(a)pyrene
Concen: 13.535 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.00 min
Lab File: BF102665.D
Acq: 31 Jan 2018 20:03

Instrument :
BNA_F
ClientSampleId :
CL-02-013018-C

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.4	17.1	25.7
125	16.7	9.8	14.6

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#91
Benzo(g,h,i)perylene
Concen: 8.154 ng
RT: 17.10 min Scan# 2552
Delta R.T. -0.01 min
Lab File: BF102665.D
Acq: 31 Jan 2018 20:03

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	22.8	17.9	26.9
138	29.3	21.8	32.8

