

Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
 Data File : BF102428.D
 Acq On : 25 Jan 2018 16:07
 Operator : SJ/JU
 Sample : J1308-02DL 250X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB70-E-N-8DL

Manual Integrations
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Sohil
 1/25/2018 5:42:32 PM

Quant Time: Jan 25 17:19:40 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 25 13:44:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	120617	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	495055	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	196851	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	292151	20.00	ng	0.00
75) Chrysene-d12	13.87	240	236553	20.00	ng	0.00
86) Perylene-d12	15.30	264	212603	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.07	172	741	0.06	ng	0.00
78) Terphenyl-d14	12.82	244	1043	0.10	ng	-0.01

Target Compounds

						Qvalue
31) Naphthalene	8.02	128	1046544	42.340	ng	99
37) 2-Methylnaphthalene	8.71	142	176713	10.735	ng	98
45) 1,1'-Biphenyl	9.17	154	41240	2.343	ng	95
48) Acenaphthylene	9.61	152	51409	2.412	ng	100
51) Acenaphthene	9.78	154	186791	15.005	ng	98
54) Dibenzofuran	9.96	168	175462	10.415	ng	98
57) Fluorene	10.30	166	207666	15.555	ng	99
70) Phenanthrene	11.26	178	600328	35.263	ng	98
71) Anthracene	11.31	178	192624	11.085	ng	98
72) Carbazole	11.47	167	50425	2.975	ng	97
74) Fluoranthene	12.45	202	372136	21.436	ng	95
77) Pvrene	12.67	202	270278	14.778	ng	99
80) Benzo(a)anthracene	13.86	228	134775m	9.254	ng	
82) Chrysene	13.90	228	103731	7.014	ng	99
85) Indeno(1,2,3-cd)pyrene	16.69	276	36533	2.991	ng	# 92
87) Benzo(b)fluoranthene	14.89	252	121782m	8.838	ng	
88) Benzo(k)fluoranthene	14.92	252	45048m	3.460	ng	
89) Benzo(a)pyrene	15.24	252	79478	6.395	ng	98
91) Benzo(a,h,i)perylene	17.10	276	29592	2.977	ng	92

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

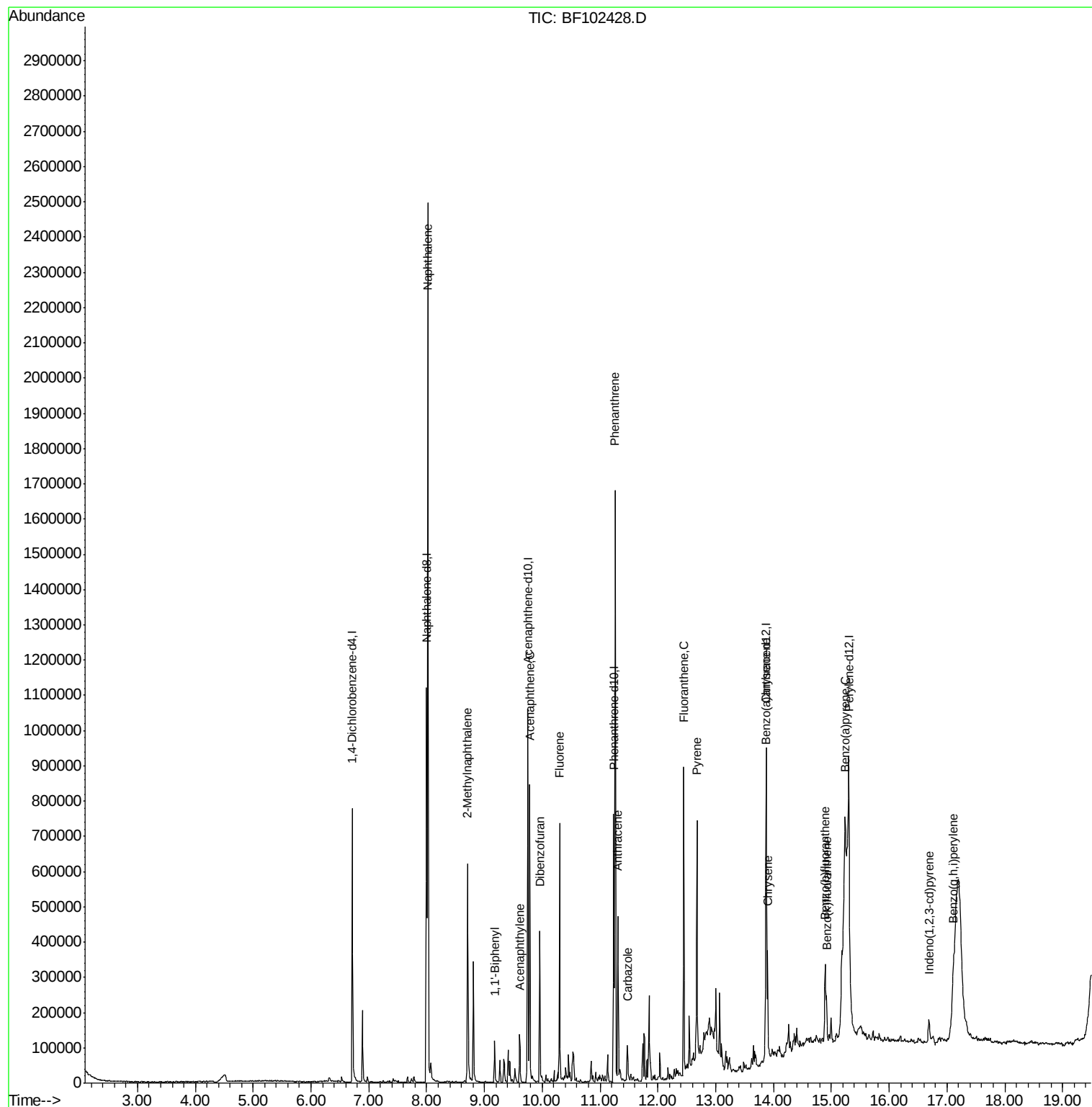
Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
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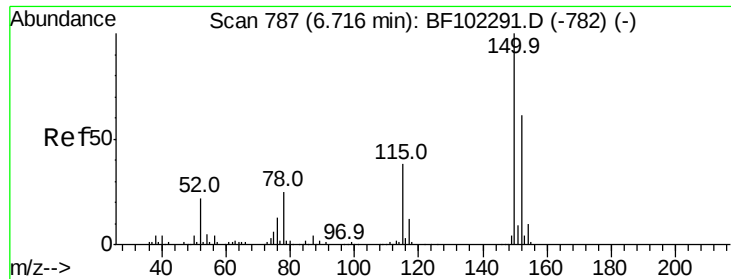
Instrument :
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ClientSampleId :
A2-SB70-E-N-8DL

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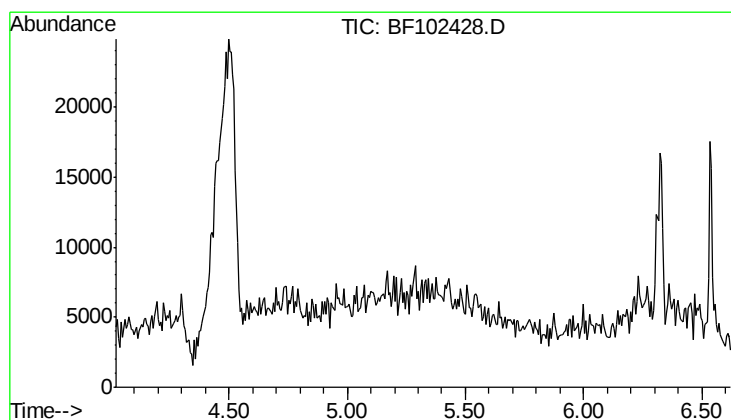
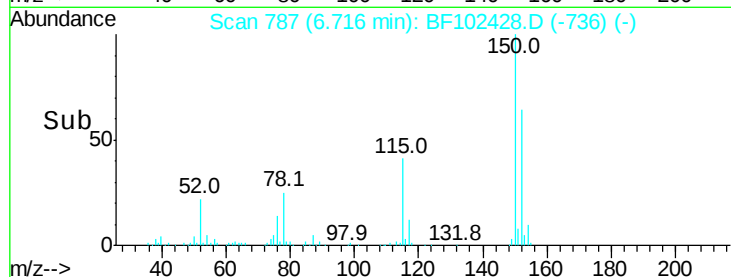
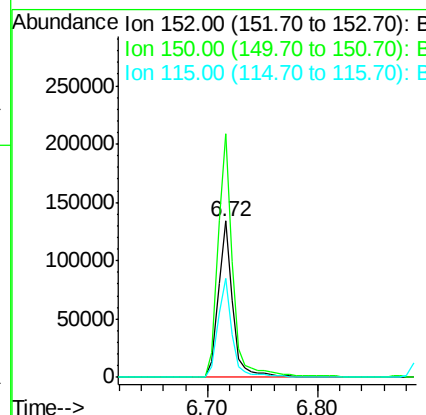
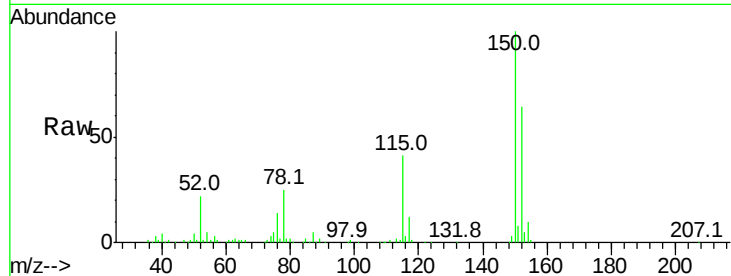
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 787
 Delta R.T. 0.00 min
 Lab File: BF102428.D
 Acq: 25 Jan 2018 16:07

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB70-E-N-8DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.6	186.8
115	63.2	50.1	75.1

Manual Integrations
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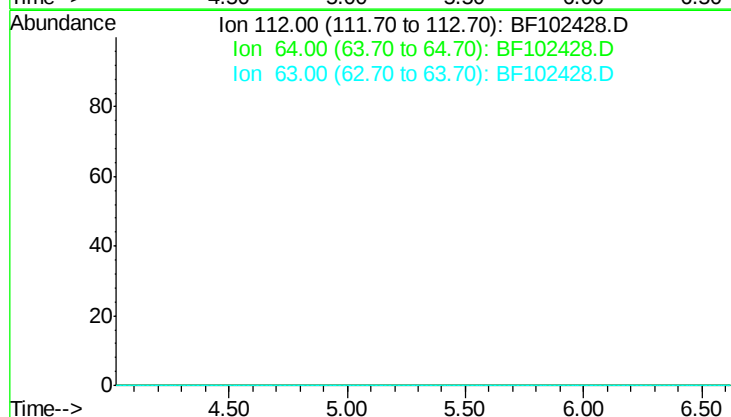
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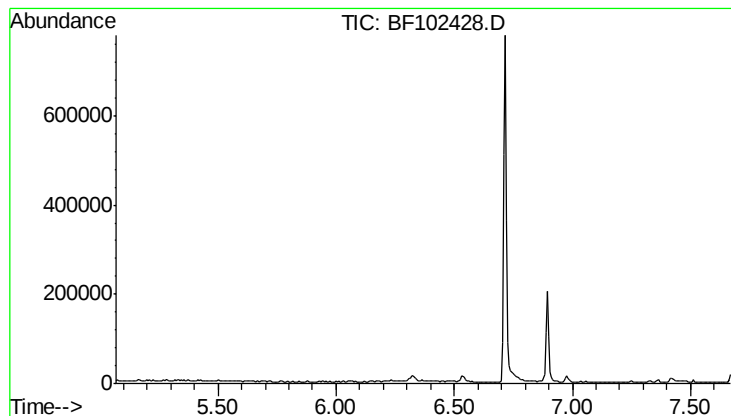


#5
 2-Fluorophenol
 Concen: 0.000 ng
 Expected RT: 5.32 min

Lab File: BF102428.D
 Acq: 25 Jan 2018 16:07

Tgt Ion	Exp Ratio
112	100
64	59.9
63	29.6





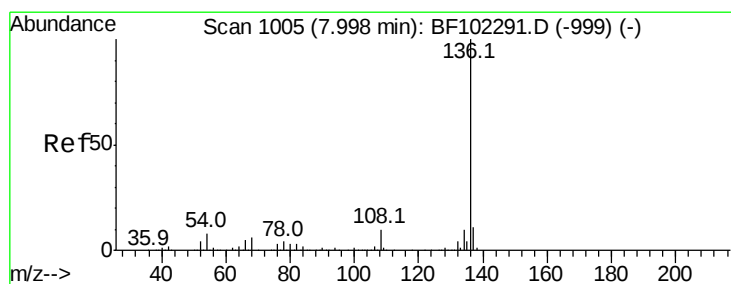
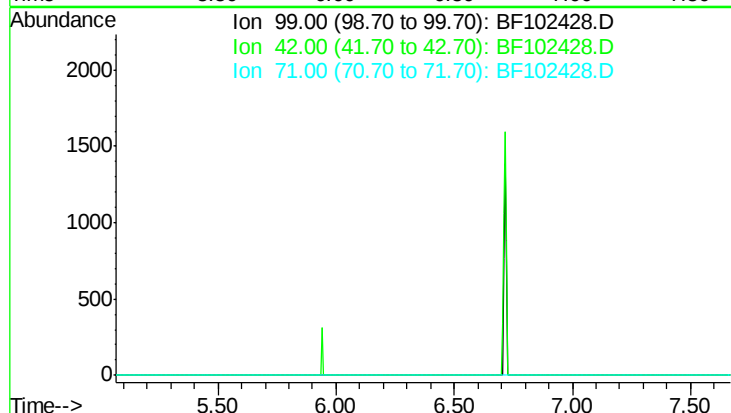
#7
 Phenol-d6
 Concen: 0.000 ng
 Expected RT: 6.37 min
 Lab File: BF102428.D
 Acq: 25 Jan 2018 16:07

Tot Ion	99
Sig	Exp Ratio
99	100
42	18.1
71	31.7

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB70-E-N-8DL

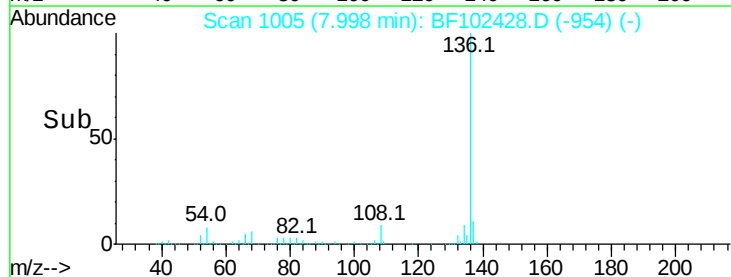
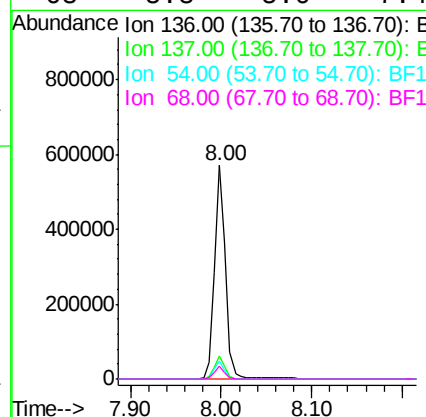
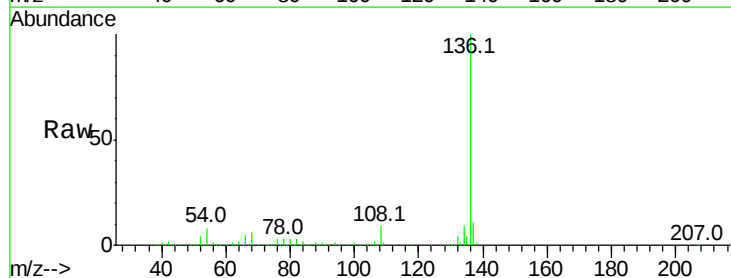
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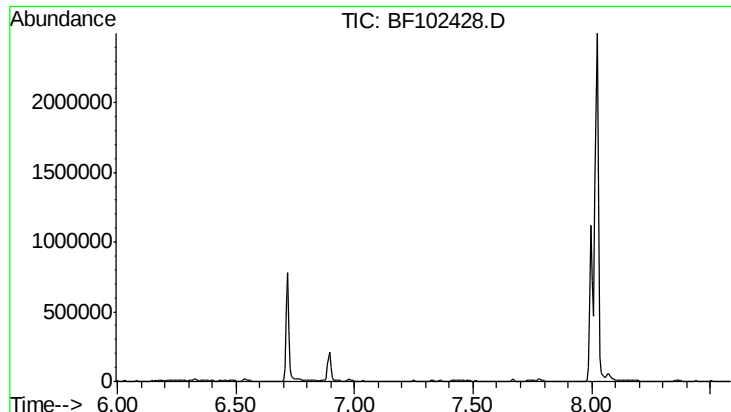
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#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.00 min Scan# 1005
 Delta R.T. 0.00 min
 Lab File: BF102428.D
 Acq: 25 Jan 2018 16:07

Tgt Ion	136	Resp	495055
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.4	6.6	9.8
68	5.8	5.0	7.4





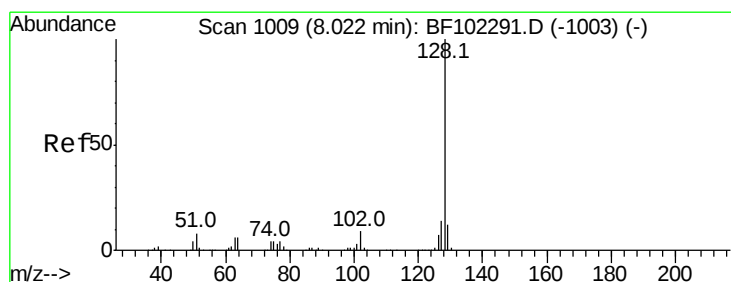
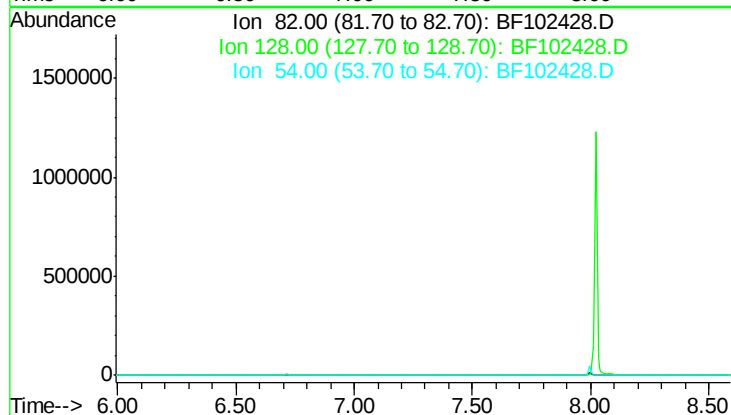
#23
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 7.29 min
 Lab File: BF102428.D
 Acq: 25 Jan 2018 16:07

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB70-E-N-8DL

Tot Ion	82
Sig	Exp Ratio
82	100
128	45.1
54	51.8

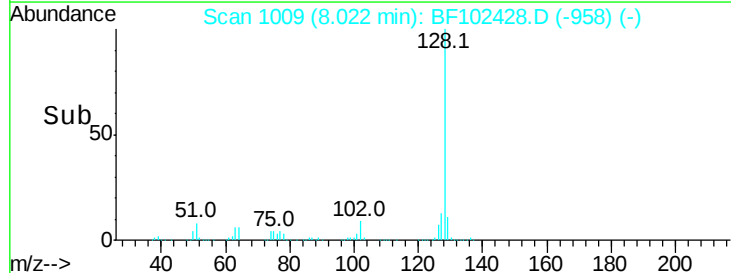
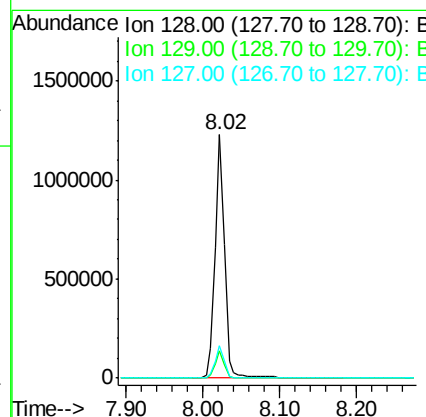
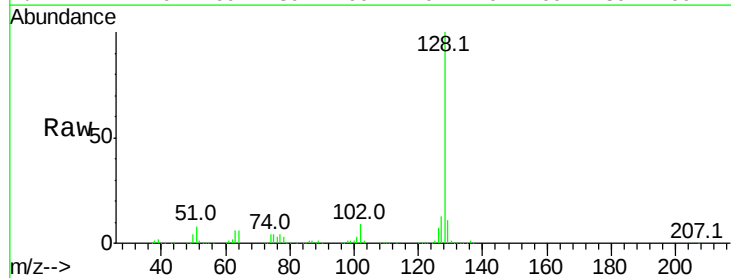
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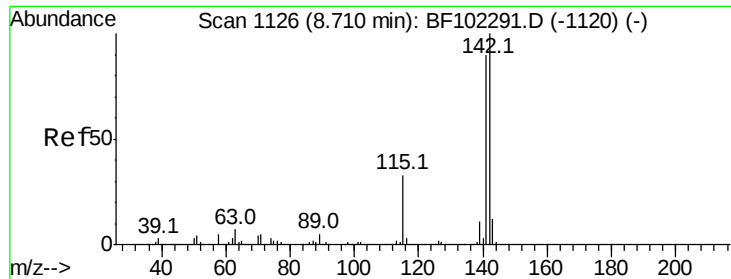
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#31
 Naphthalene
 Concen: 42.340 ng
 RT: 8.02 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: BF102428.D
 Acq: 25 Jan 2018 16:07

Tgt Ion	128	Resp	1046544
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.2	10.9	16.3





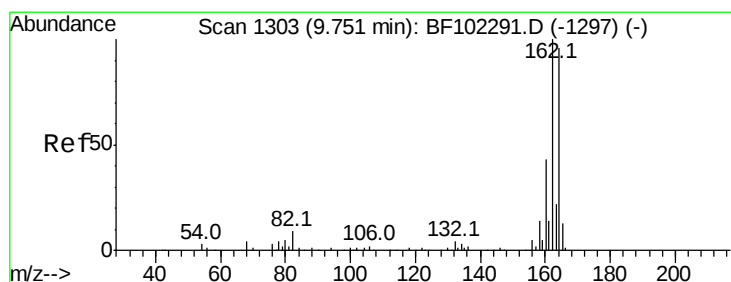
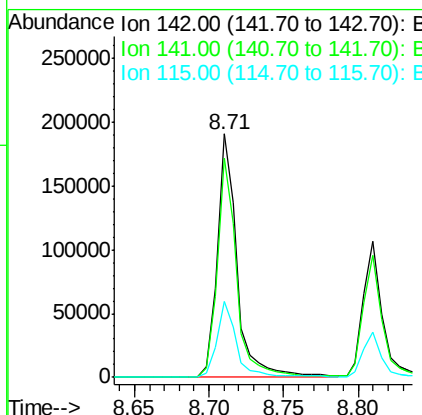
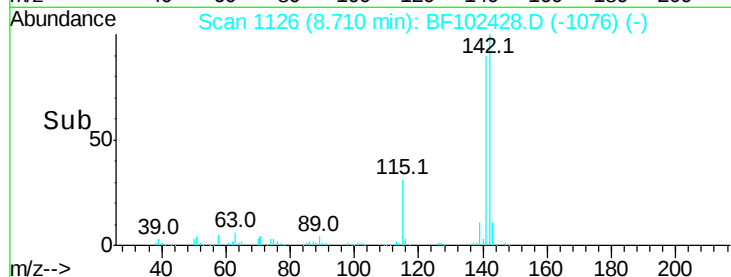
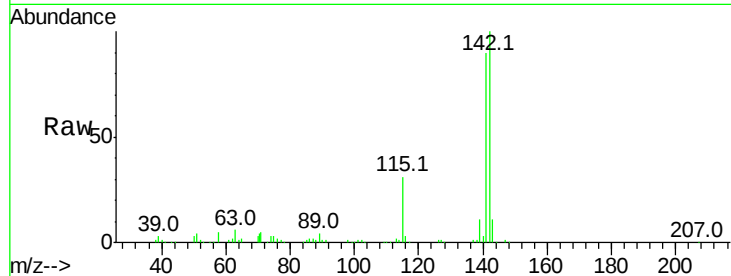
#37
2-Methylnaphthalene
Concen: 10.735 ng
RT: 8.71 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF102428.D
Acq: 25 Jan 2018 16:07

Instrument :
BNA_F
ClientSampleID :
A2-SB70-E-N-8DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.0	70.8	106.2
115	31.2	26.1	39.1

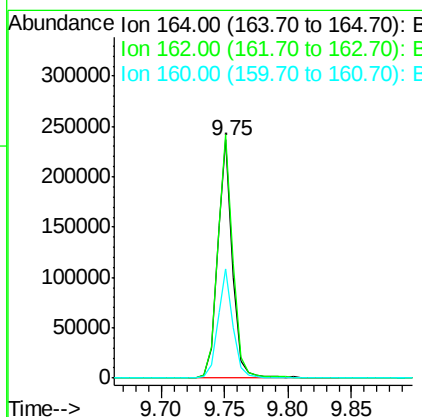
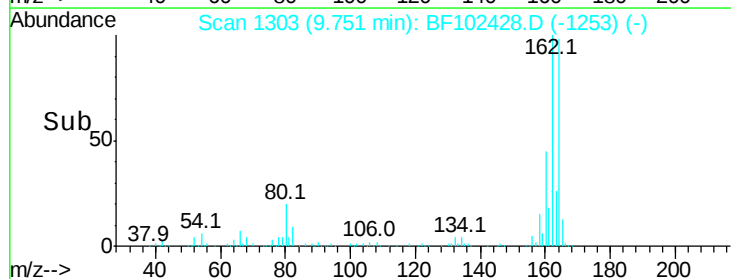
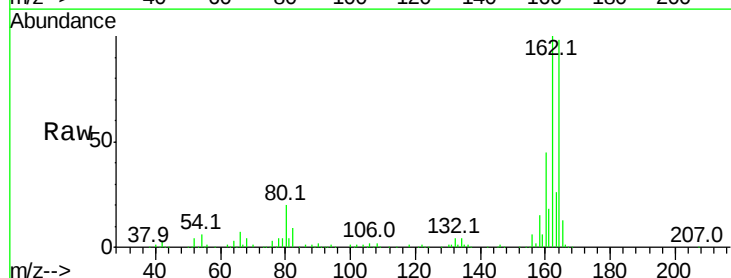
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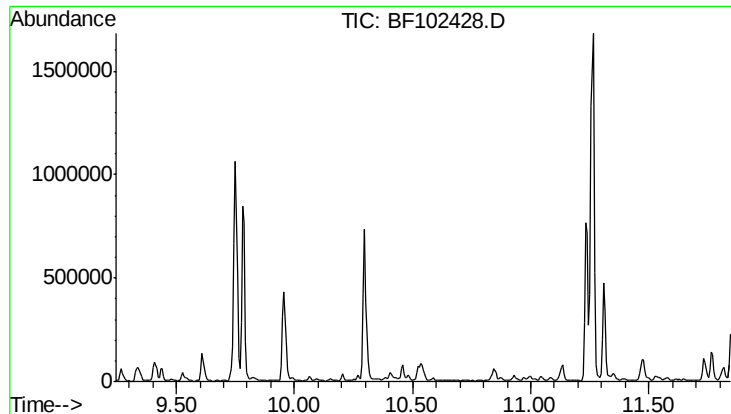
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF102428.D
Acq: 25 Jan 2018 16:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	86.1	129.1
160	45.8	38.3	57.5





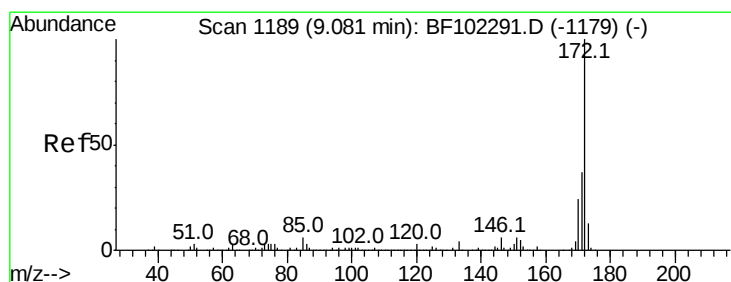
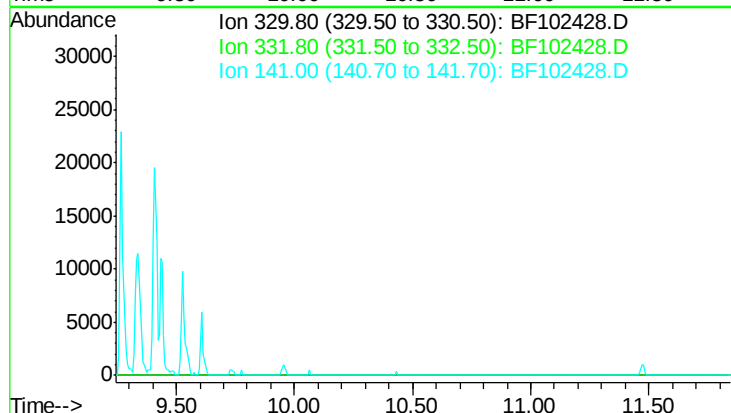
#41
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 10.55 min
 Lab File: BF102428.D
 Acq: 25 Jan 2018 16:07

Tot Ion	330	332	141
Exp Ratio	100	96.3	37.4

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB70-E-N-8DL

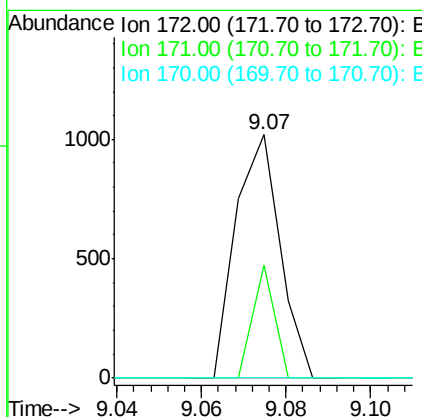
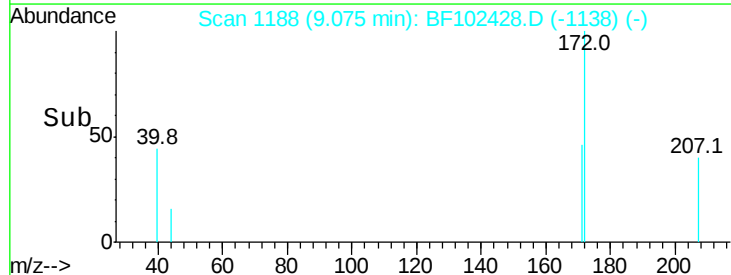
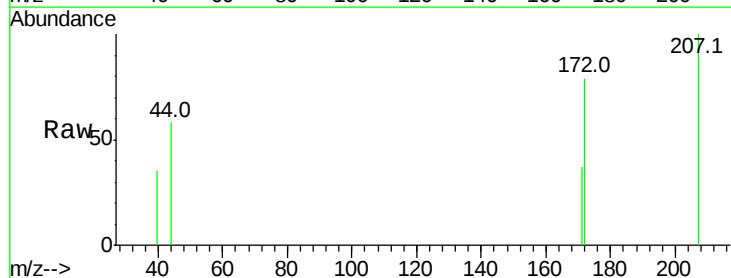
Manual Integrations
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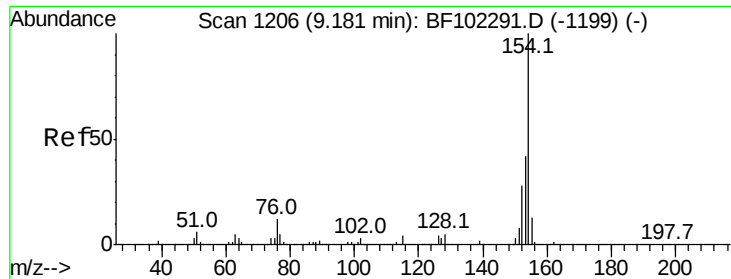
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#44
 2-Fluorobiphenyl
 Concen: 0.055 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF102428.D
 Acq: 25 Jan 2018 16:07

Tgt Ion	172	Resp	741
Ion Ratio	100		
Lower		29.7	44.5#
Upper		19.6	29.4#





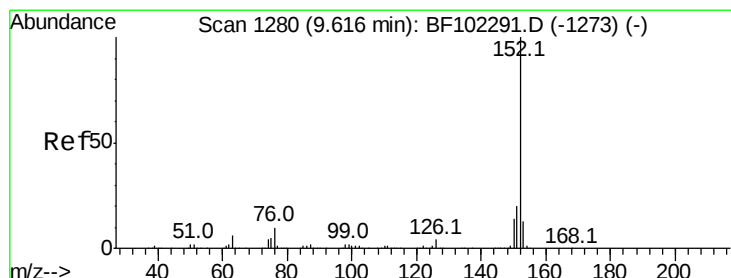
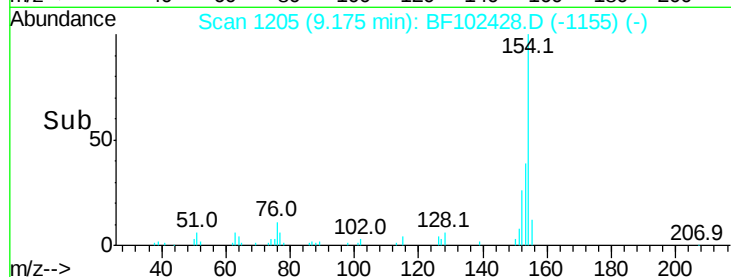
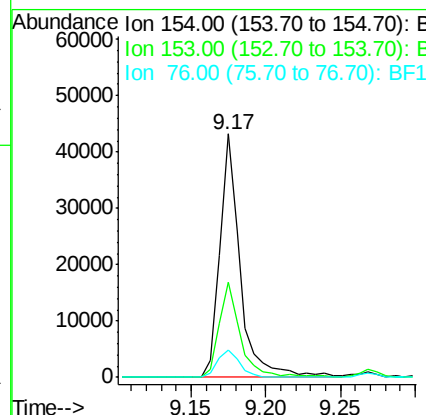
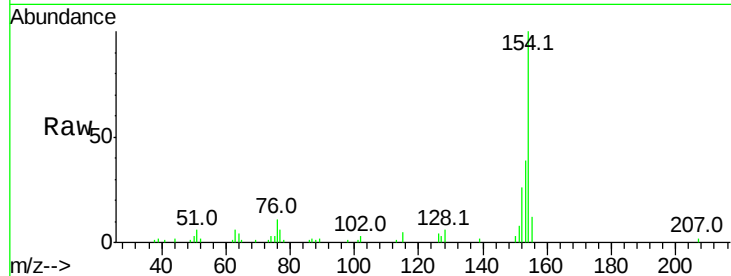
#45
1,1'-Biphenyl
Concen: 2.343 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.01 min
Lab File: BF102428.D
Acq: 25 Jan 2018 16:07

Instrument :
BNA_F
ClientSampleId :
A2-SB70-E-N-8DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	38.8	21.3	61.3
76	11.1	0.0	34.0

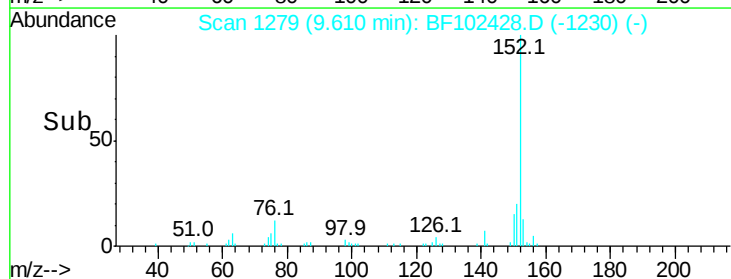
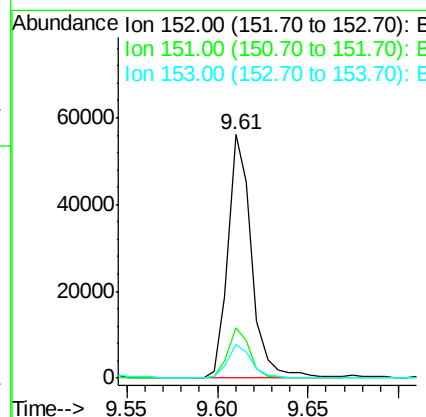
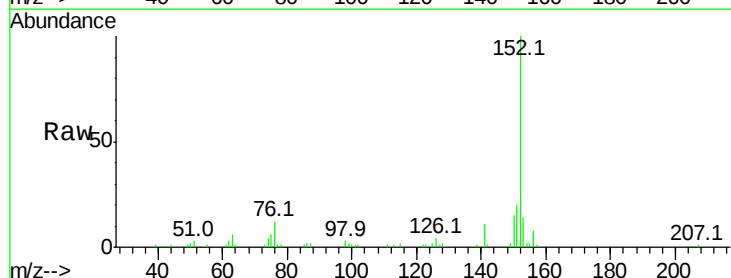
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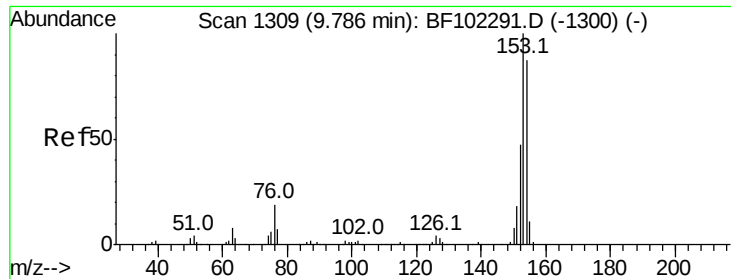
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#48
Acenaphthylene
Concen: 2.412 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF102428.D
Acq: 25 Jan 2018 16:07

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.3	24.5
153	13.7	10.7	16.1





#51

Acenaphthene

Concen: 15.005 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF102428.D

Acq: 25 Jan 2018 16:07

Instrument :

BNA_F

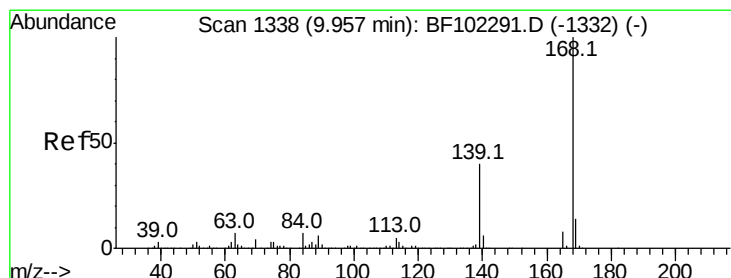
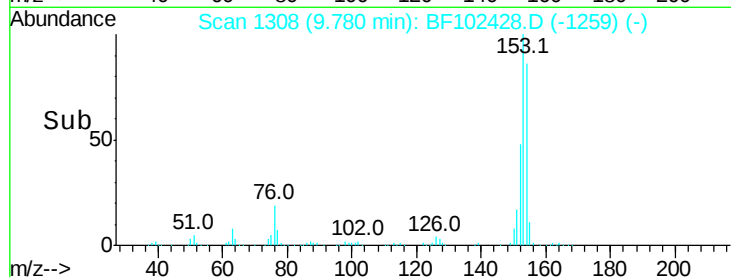
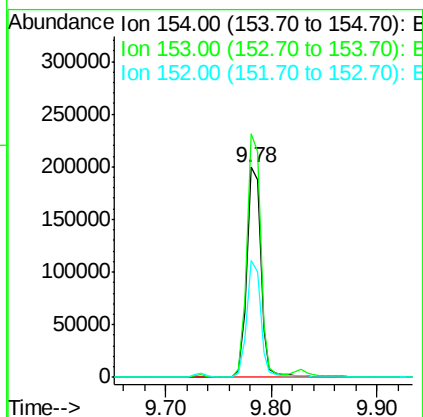
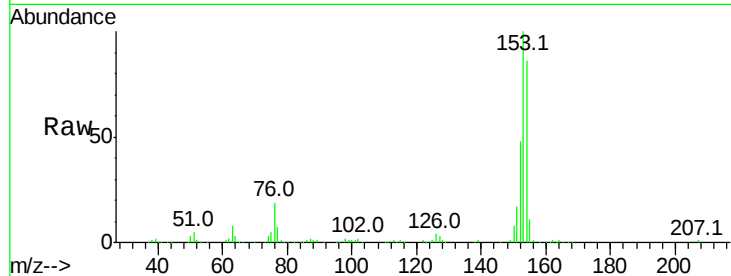
ClientSampleId :

A2-SB70-E-N-8DL

Tot Ion:	154	Resp:	186791
Ion Ratio	Lower	Upper	
154	100		
153	115.8	91.2	136.8
152	55.6	43.8	65.8

Manual Integrations
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#54

Dibenzofuran

Concen: 10.415 ng

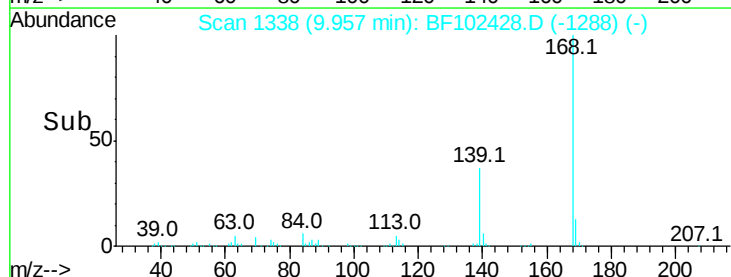
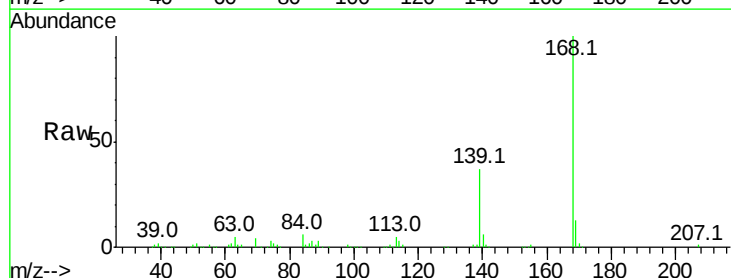
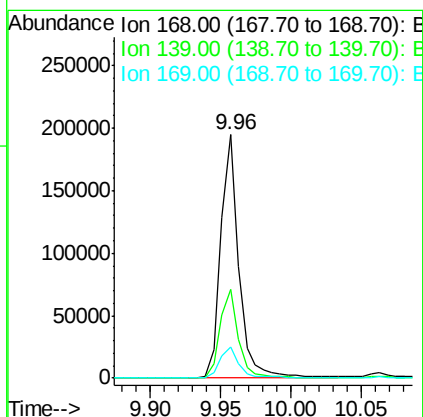
RT: 9.96 min Scan# 1338

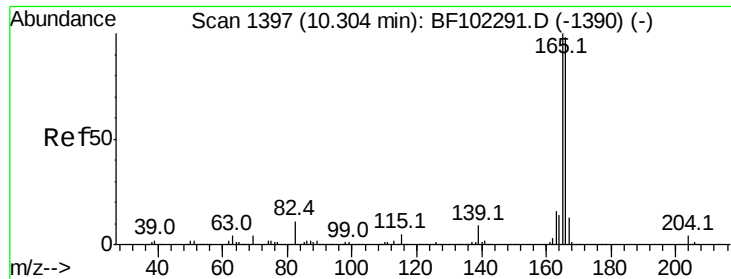
Delta R.T. -0.01 min

Lab File: BF102428.D

Acq: 25 Jan 2018 16:07

Tgt Ion:	168	Resp:	175462
Ion Ratio	Lower	Upper	
168	100		
139	36.5	30.1	45.1
169	13.0	10.9	16.3





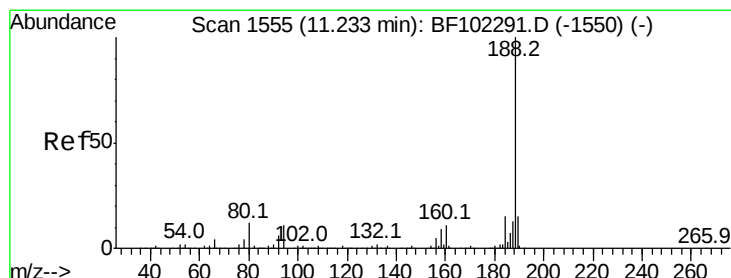
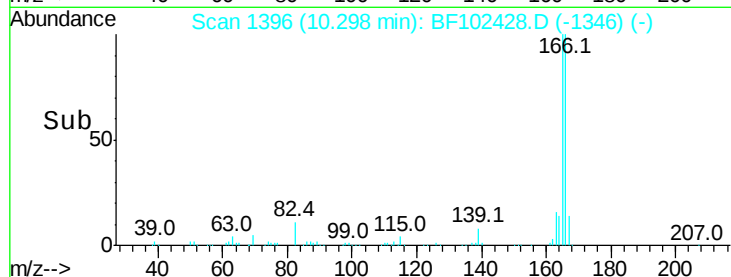
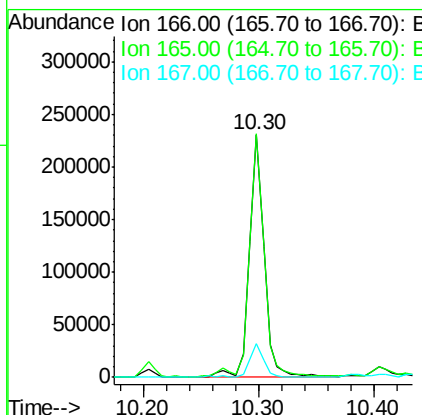
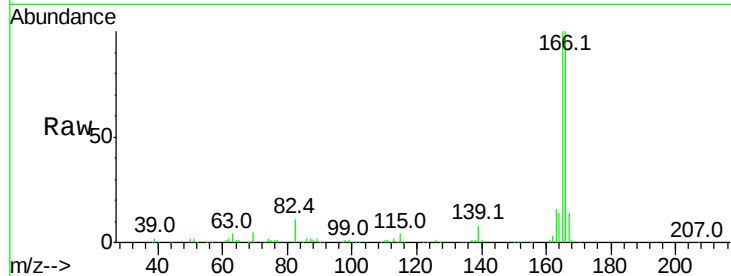
#57
Fluorene
 Concen: 15.555 ng
 RT: 10.30 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF102428.D
 Acq: 25 Jan 2018 16:07

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB70-E-N-8DL

Tot Ion	Ratio	Resp	Lower	Upper
166	100	207666		
165	100.4	79.8	119.8	
167	14.1	10.6	16.0	

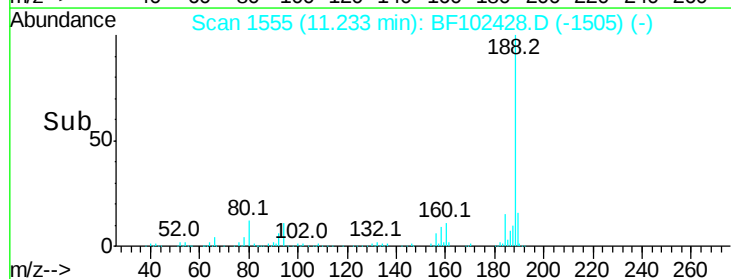
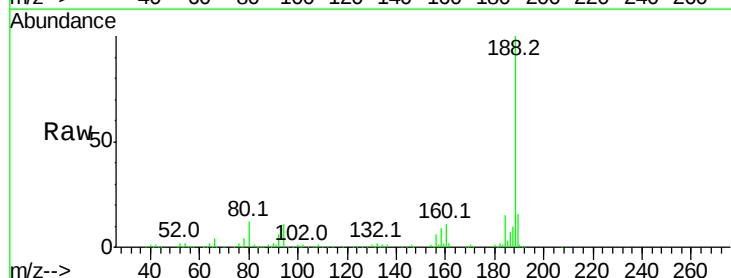
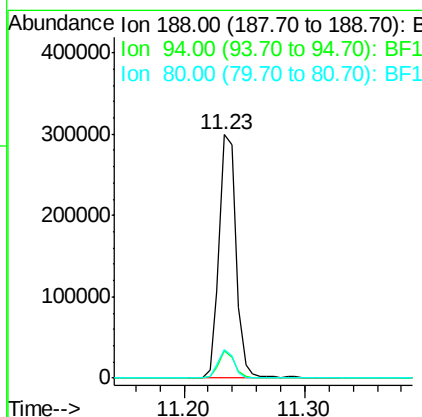
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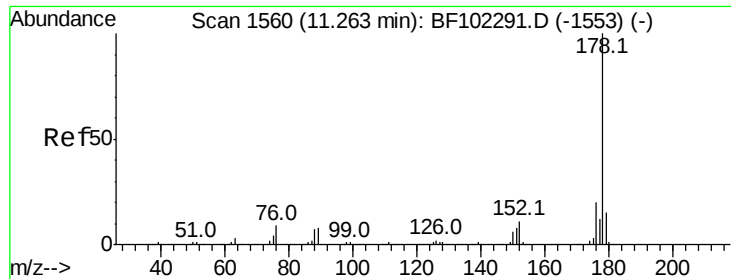
Sohil
 1/25/2018 5:42:32 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF102428.D
 Acq: 25 Jan 2018 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	292151		
94	11.4	8.5	12.7	
80	11.8	9.2	13.8	





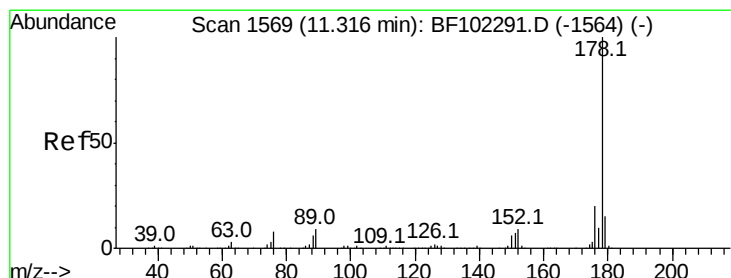
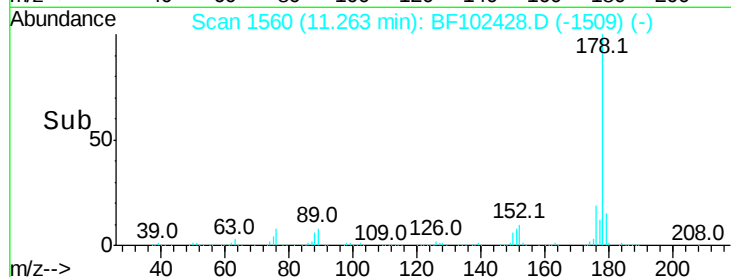
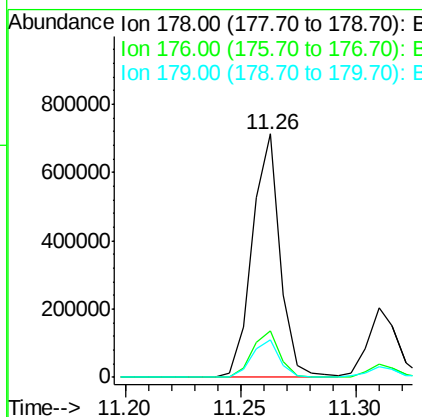
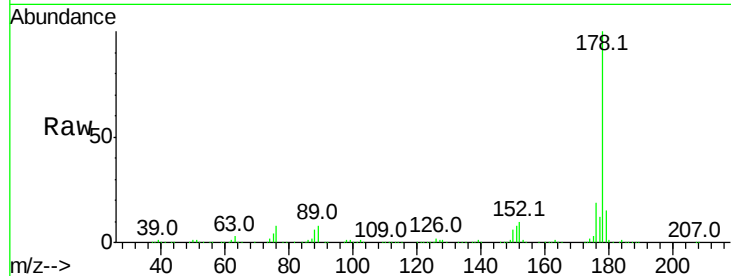
#70
Phenanthrene
Concen: 35.263 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF102428.D
Acq: 25 Jan 2018 16:07

Instrument :
BNA_F
ClientSampleId :
A2-SB70-E-N-8DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.2	13.0	19.6

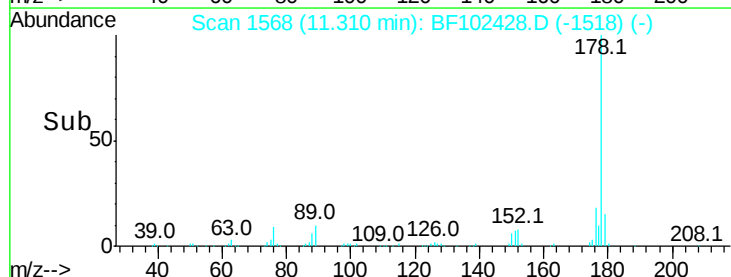
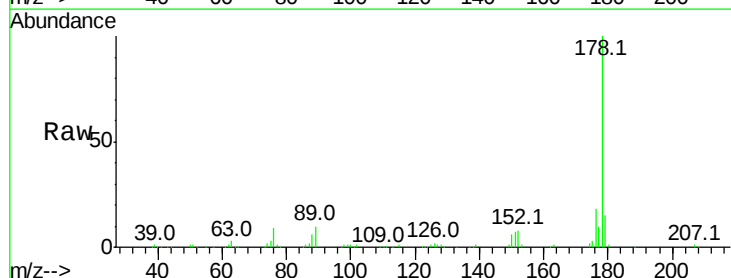
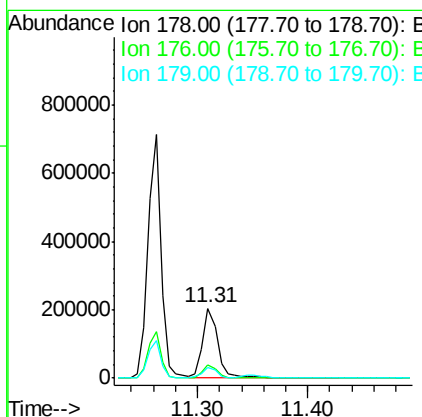
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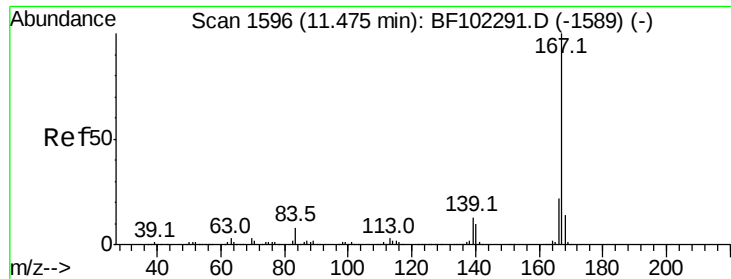
Sohil
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#71
Anthracene
Concen: 11.085 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF102428.D
Acq: 25 Jan 2018 16:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	15.0	12.6	19.0





#72

Carbazole

Concen: 2.975 ng

RT: 11.47 min Scan# 1596

Delta R.T. 0.00 min

Lab File: BF102428.D

Acq: 25 Jan 2018 16:07

Instrument :

BNA_F

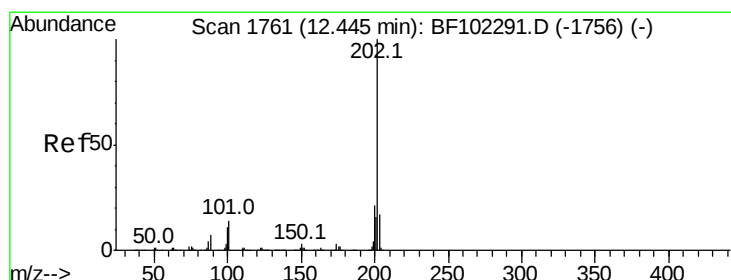
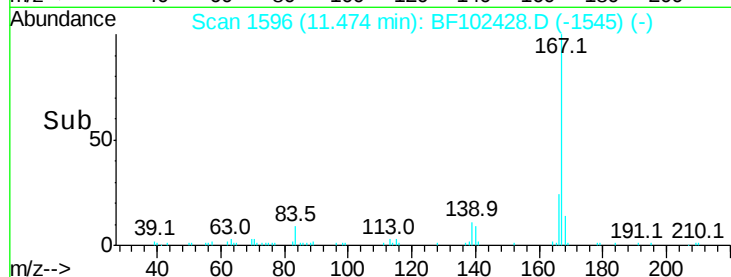
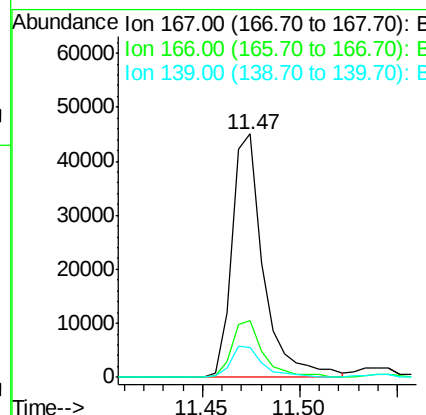
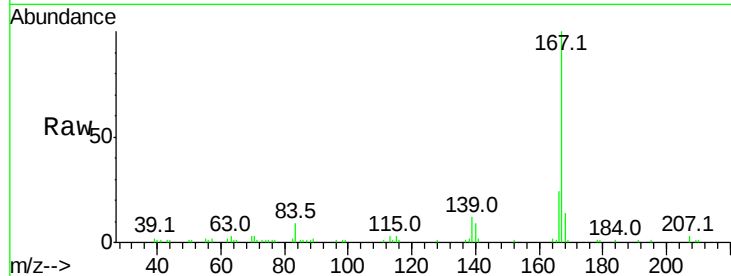
ClientSampleId :

A2-SB70-E-N-8DL

Tot Ion:	167	Resp:	50425
Ion Ratio	Lower	Upper	
167	100		
166	23.5	17.6	26.4
139	12.1	10.9	16.3

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#74

Fluoranthene

Concen: 21.436 ng

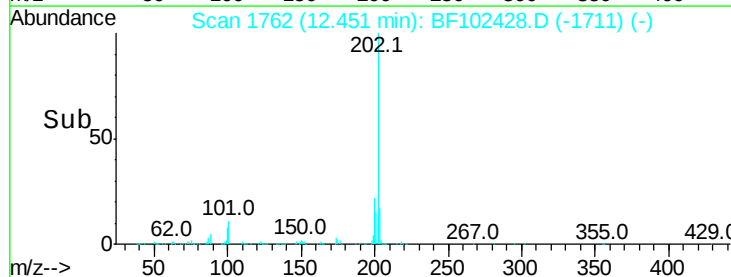
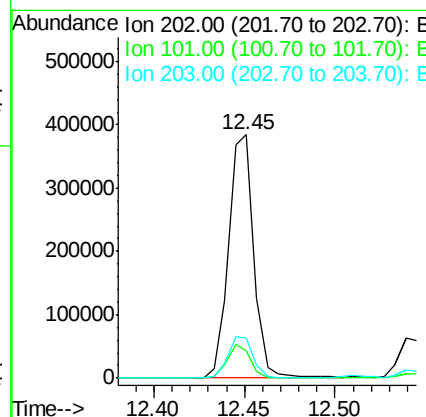
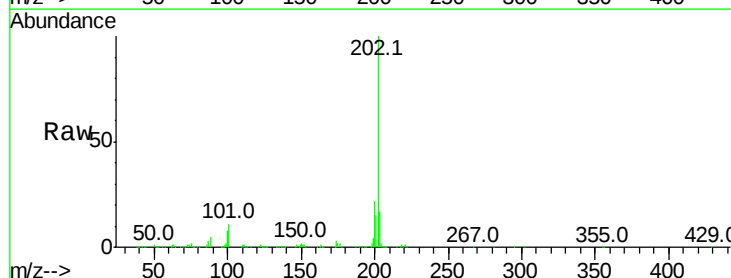
RT: 12.45 min Scan# 1762

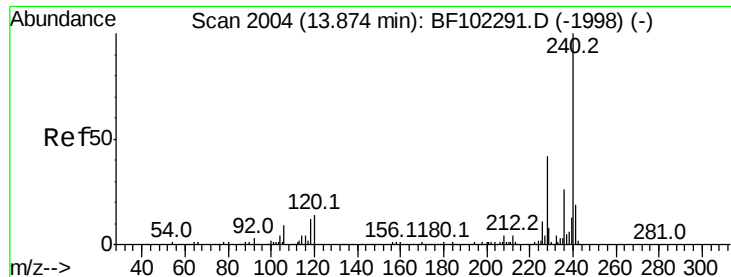
Delta R.T. 0.00 min

Lab File: BF102428.D

Acq: 25 Jan 2018 16:07

Tgt Ion:	202	Resp:	372136
Ion Ratio	Lower	Upper	
202	100		
101	11.3	0.0	34.1
203	16.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF102428.D

Acq: 25 Jan 2018 16:07

Instrument :

BNA_F

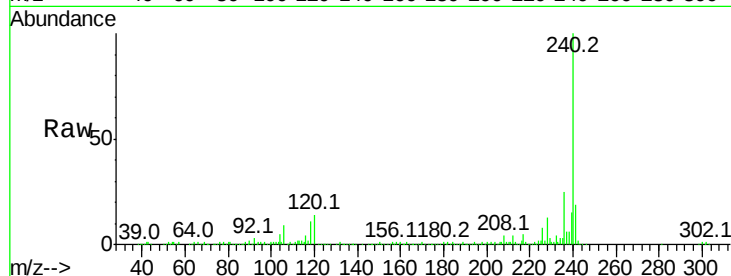
ClientSampleId :

A2-SB70-E-N-8DL

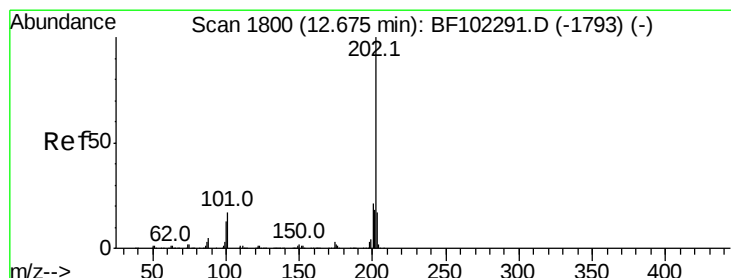
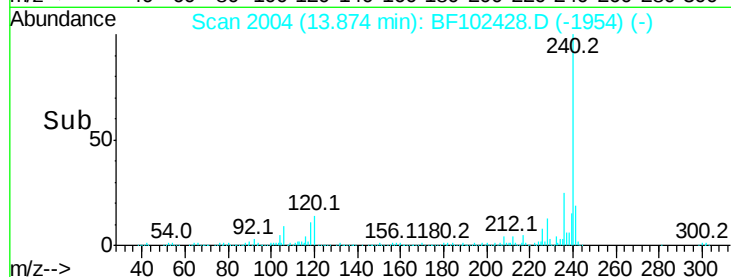
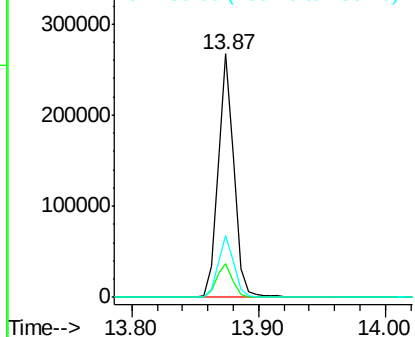
Tot Ion:	240	Resp:	236553
Ion Ratio	Lower	Upper	
240	100		
120	13.6	9.5	14.3
236	25.5	20.7	31.1

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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: 14.778 ng

RT: 12.67 min Scan# 1800

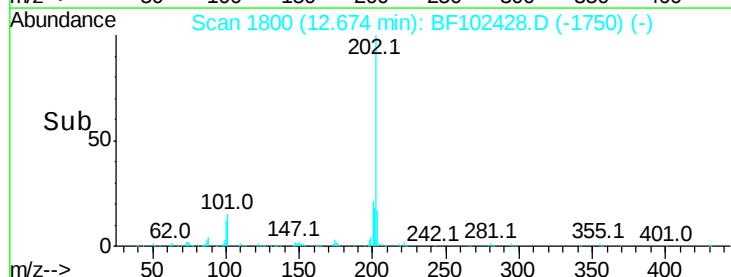
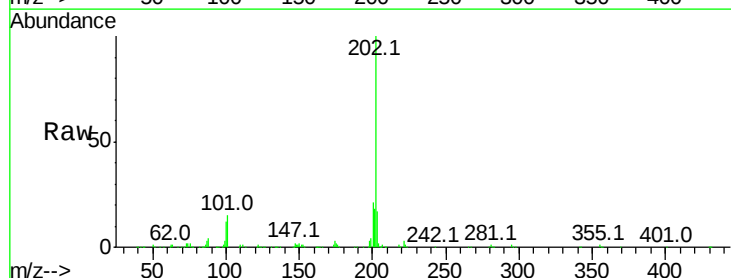
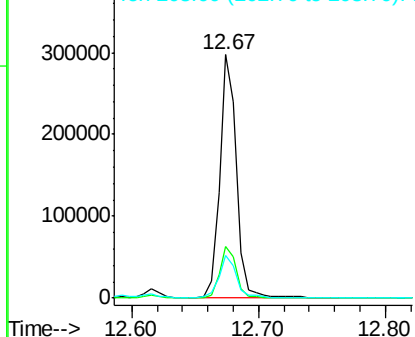
Delta R.T. -0.01 min

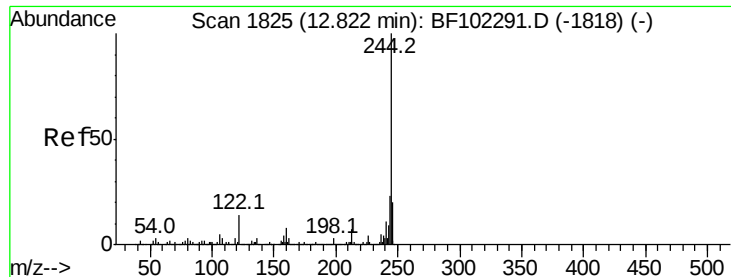
Lab File: BF102428.D

Acq: 25 Jan 2018 16:07

Tgt Ion:	202	Resp:	270278
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.4	26.2
203	17.5	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





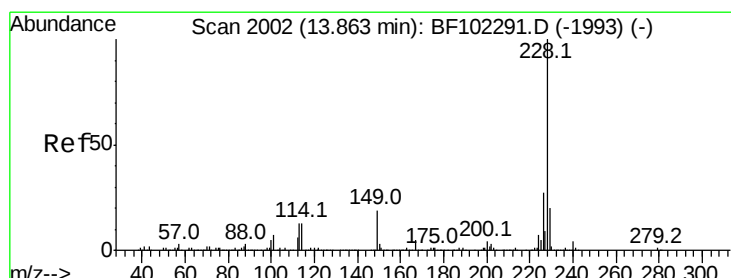
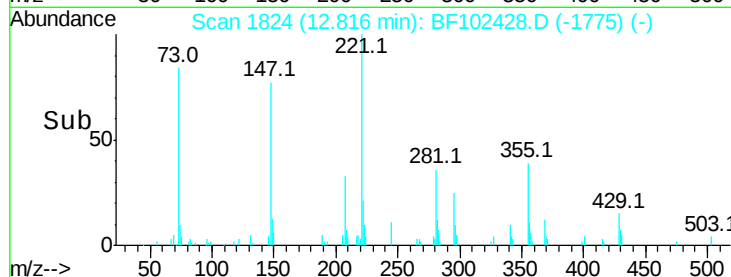
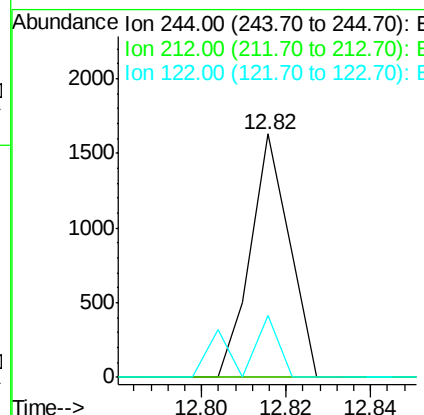
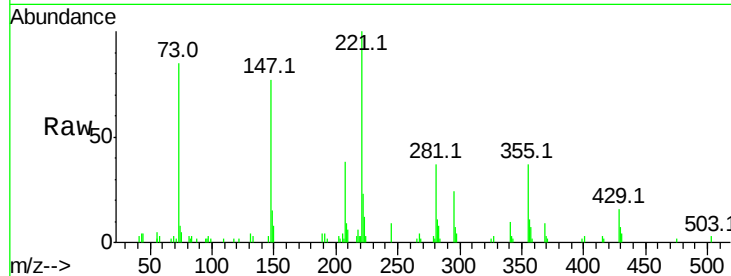
#78
 Terphenyl-d14
 Concen: 0.099 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF102428.D
 Acq: 25 Jan 2018 16:07

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB70-E-N-8DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	0.0	5.4	8.0#
122	25.6	11.0	16.4#

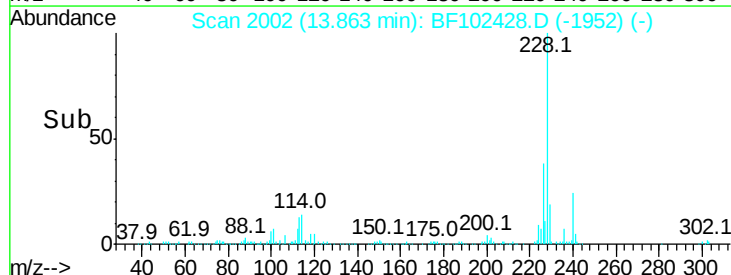
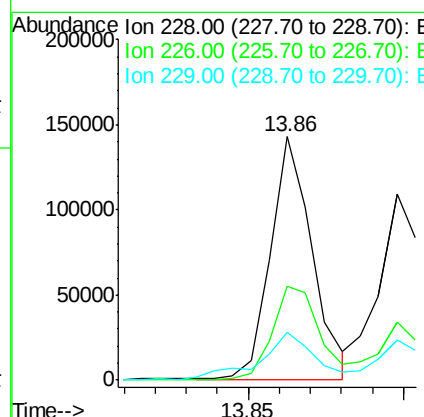
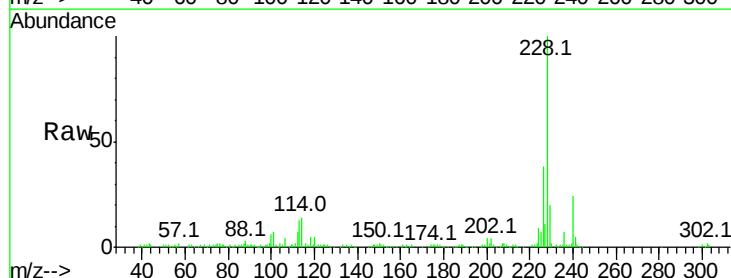
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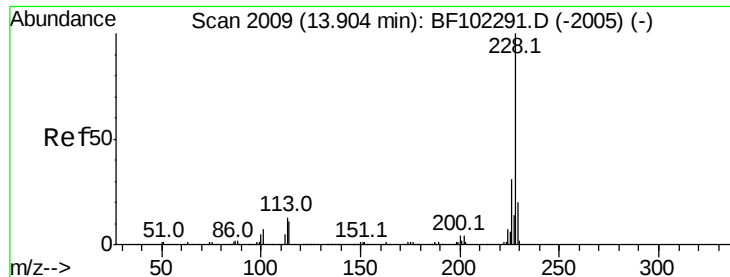
Sohil
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#80
 Benzo(a)anthracene
 Concen: 9.254 ng m
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.01 min
 Lab File: BF102428.D
 Acq: 25 Jan 2018 16:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	38.3	22.6	33.8#
229	19.7	15.8	23.6





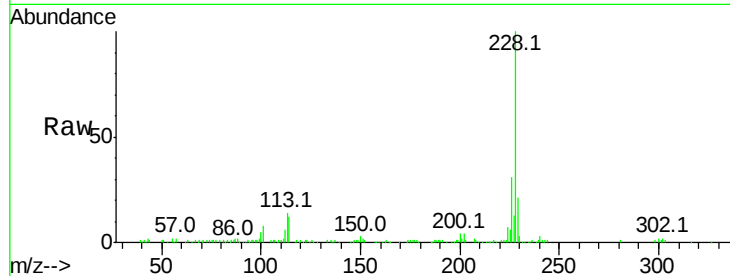
#82
Chrysene
Concen: 7.014 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102428.D
Acq: 25 Jan 2018 16:07

Instrument :
BNA_F
ClientSampleId :
A2-SB70-E-N-8DL

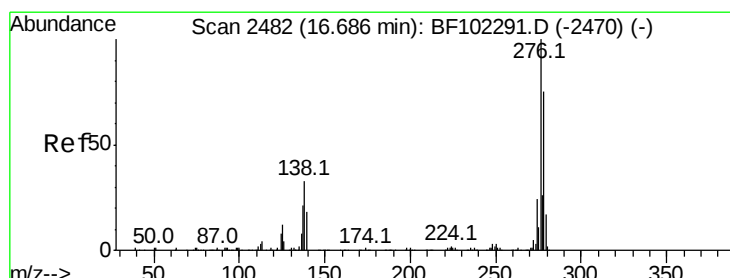
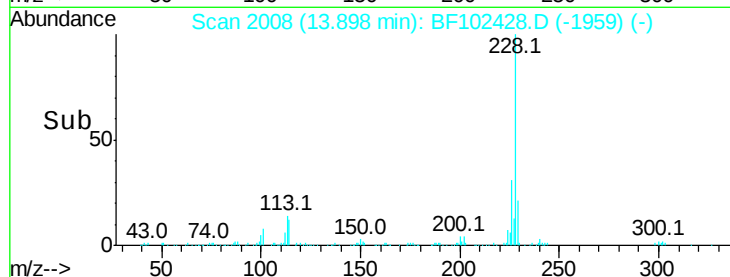
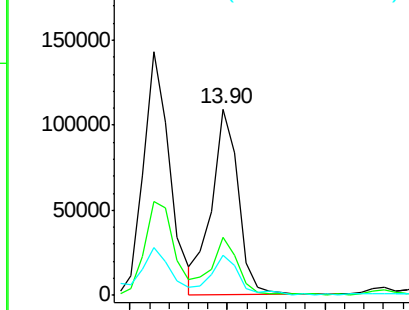
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	21.5	16.2	24.4

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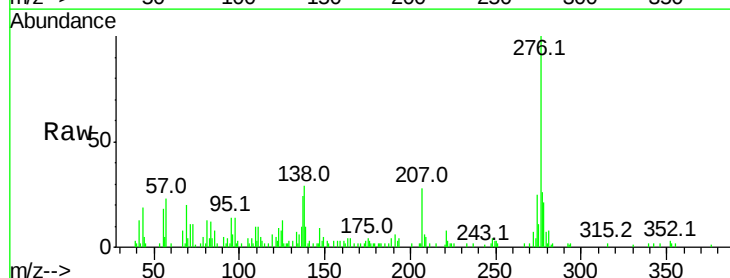


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

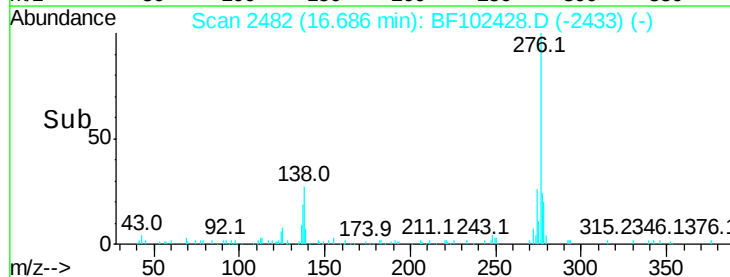
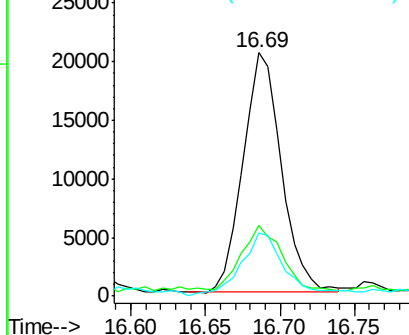


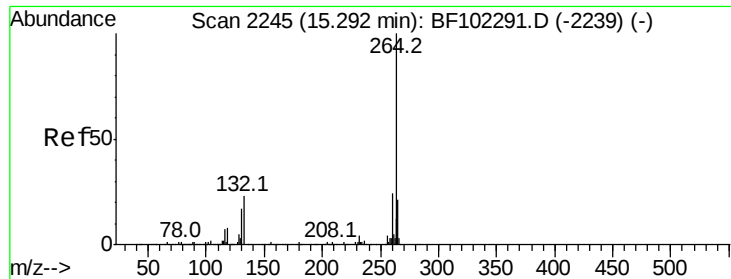
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.991 ng
RT: 16.69 min Scan# 2482
Delta R.T. -0.01 min
Lab File: BF102428.D
Acq: 25 Jan 2018 16:07

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.4	25.0	37.6
277	30.5	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: 15.30 min Scan# 2247

Delta R.T. 0.01 min

Lab File: BF102428.D

Acq: 25 Jan 2018 16:07

Instrument :

BNA_F

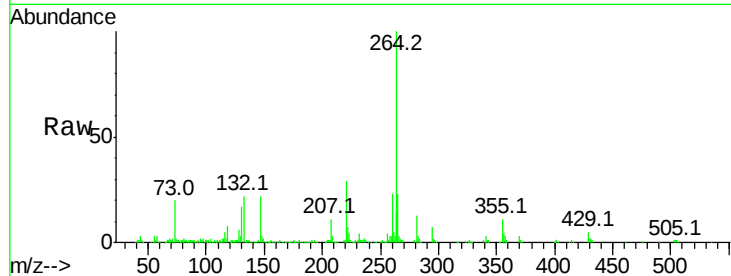
ClientSampleId :

A2-SB70-E-N-8DL

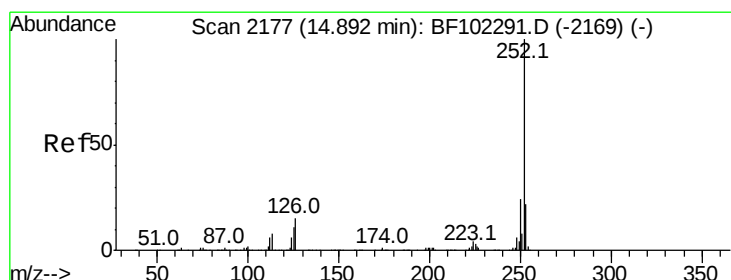
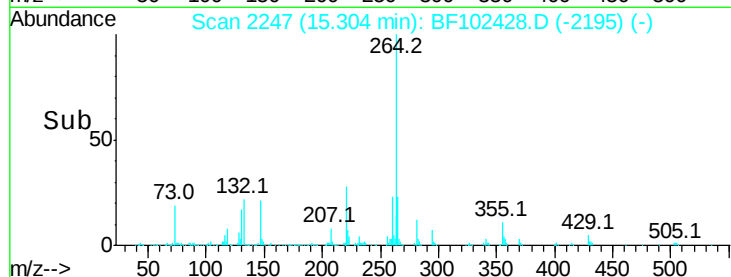
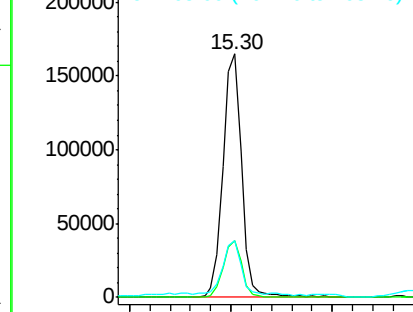
Tot Ion:	264	Resp:	212603
Ion Ratio	Lower	Upper	
264	100		
260	23.2	19.2	28.8
265	23.2	17.5	26.3

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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: 8.838 ng m

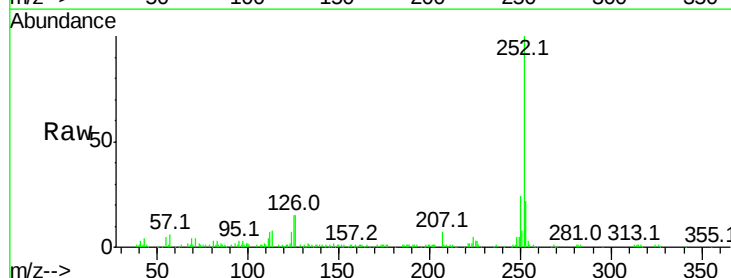
RT: 14.89 min Scan# 2177

Delta R.T. 0.00 min

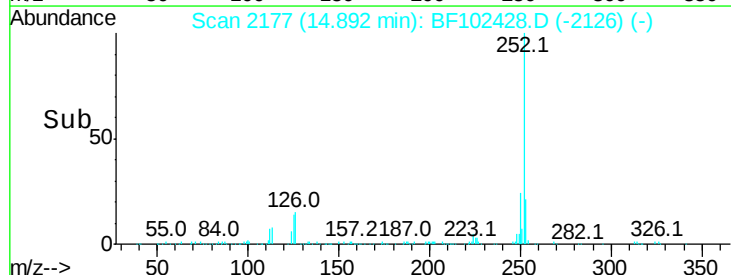
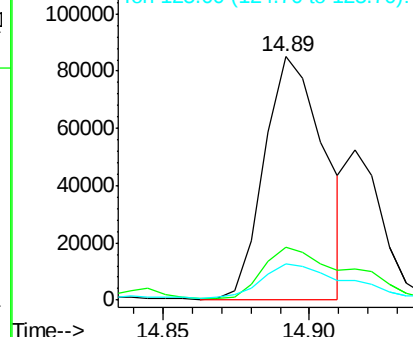
Lab File: BF102428.D

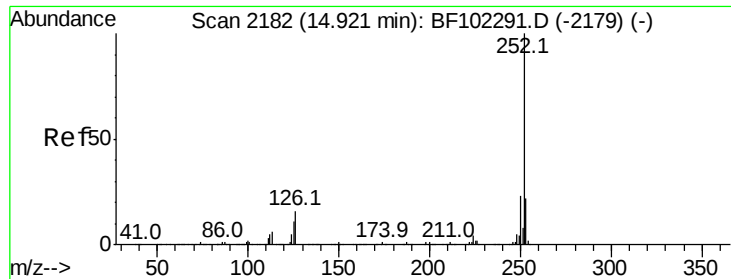
Acq: 25 Jan 2018 16:07

Tgt Ion:	252	Resp:	121782
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.0	25.6
125	14.7	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: 3.460 ng

RT: 14.92 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BF102428.D

Acq: 25 Jan 2018 16:07

Instrument :

BNA_F

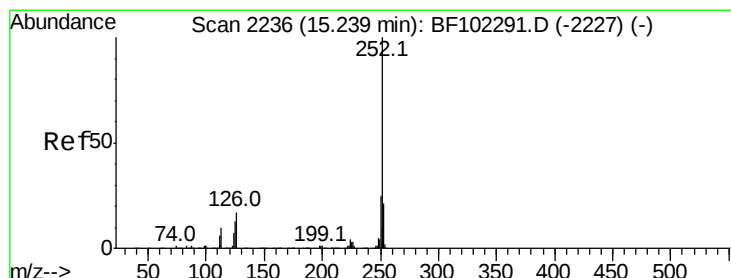
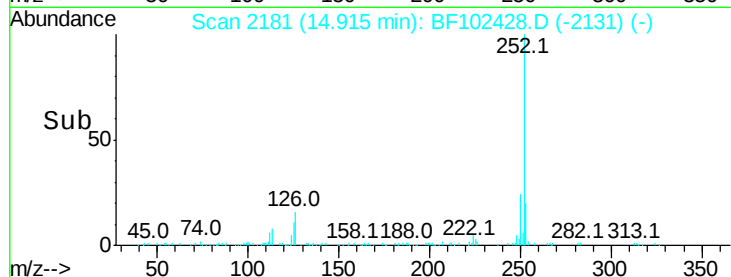
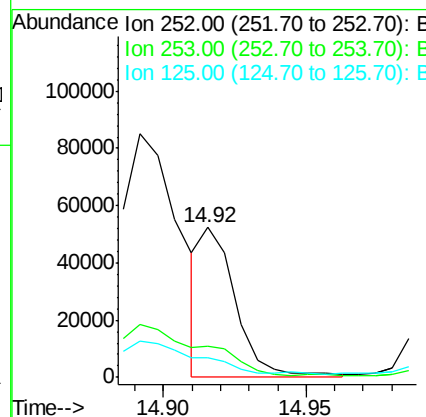
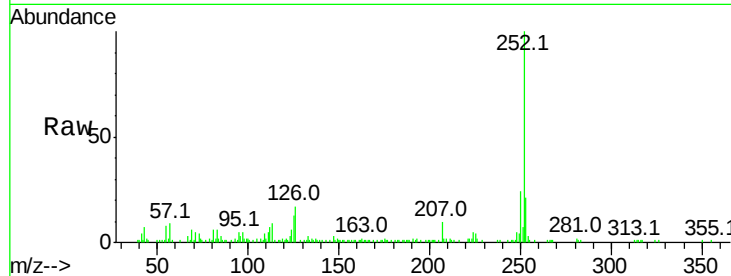
ClientSampleId :

A2-SB70-E-N-8DL

Tot Ion:	252	Resp:	45048
Ion Ratio	Lower	Upper	
252	100		
253	21.2	17.9	26.9
125	13.1	10.2	15.2

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#89

Benzo(a)pyrene

Concen: 6.395 ng

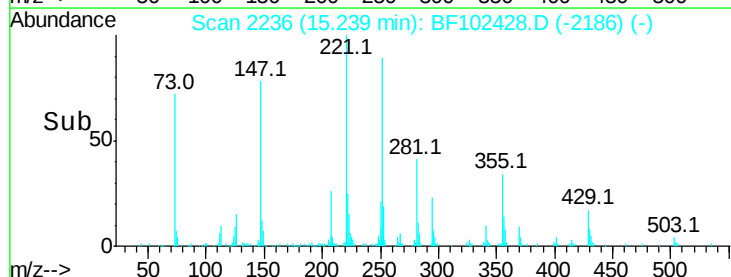
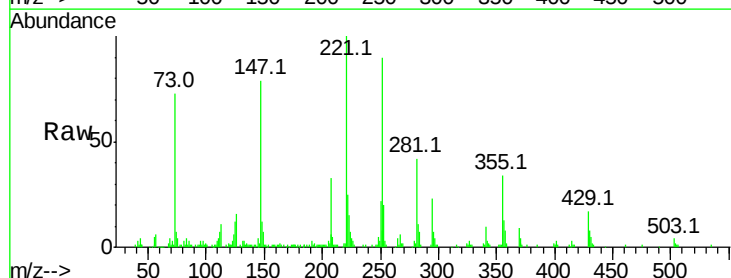
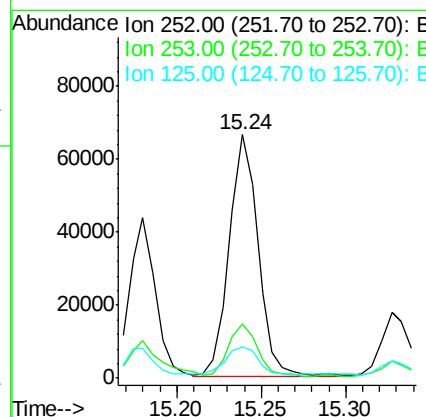
RT: 15.24 min Scan# 2236

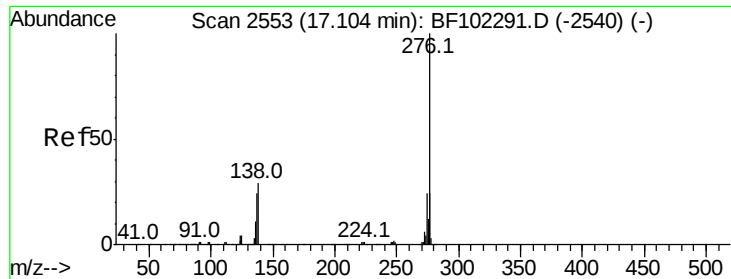
Delta R.T. -0.01 min

Lab File: BF102428.D

Acq: 25 Jan 2018 16:07

Tgt Ion:	252	Resp:	79478
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.1	25.7
125	12.8	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 2.977 ng
 RT: 17.10 min Scan# 2553
 Delta R.T. -0.01 min
 Lab File: BF102428.D
 Acq: 25 Jan 2018 16:07

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB70-E-N-8DL

Tot Ion:	276	Resp:	29592
Ion Ratio	Lower	Upper	
276	100		
277	26.5	17.9	26.9
138	31.7	21.8	32.8

Manual Integrations
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