

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121417\
 Data File : BF101402.D
 Acq On : 14 Dec 2017 19:23
 Operator : SJ/JU
 Sample : I6836-01 100X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-70-01

Manual Integrations
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Sohil
 12/15/2017 6:44:10 PM

Quant Time: Dec 15 00:32:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 15:42:32 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	172698	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	687167	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	310519	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	568279	20.00	ng	0.00
75) Chrysene-d12	13.99	240	385269	20.00	ng	-0.01
86) Perylene-d12	15.46	264	304006	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	933	0.08	ng	0.06
7) Phenol-d6	6.47	99	1823	0.13	ng	0.01
23) Nitrobenzene-d5	7.40	82	883	0.07	ng	0.02
41) 2,4,6-Tribromophenol	10.66	330	436	0.15	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	2138	0.11	ng	0.00
78) Terphenyl-d14	12.93	244	3458	0.22	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.48	94	45523	2.768	ng	97
20) 3+4-Methylphenols	7.25	107	26260	2.209	ng	89
31) Naphthalene	8.13	128	2741948	79.260	ng	99
37) 2-Methylnaphthalene	8.81	142	424555	18.836	ng	99
45) 1,1'-Biphenyl	9.27	154	107185	3.892	ng	99
48) Acenaphthylene	9.72	152	433784	13.034	ng	100
51) Acenaphthene	9.89	154	115647	5.784	ng	98
54) Dibenzofuran	10.06	168	339615	13.365	ng	96
57) Fluorene	10.40	166	399961	18.606	ng	99
70) Phenanthrene	11.37	178	1351082	42.752	ng	98
71) Anthracene	11.42	178	478721	14.830	ng	100
72) Carbazole	11.58	167	178142	5.894	ng	100
74) Fluoranthene	12.56	202	925801	27.909	ng	99
77) Pyrene	12.79	202	806781	27.902	ng	100
80) Benzo(a)anthracene	13.98	228	306836	12.061	ng	97
82) Chrysene	14.02	228	249657	10.394	ng	98
87) Benzo(b)fluoranthene	15.04	252	214636m	11.583	ng	
88) Benzo(k)fluoranthene	15.06	252	58214m	3.231	ng	
89) Benzo(a)pyrene	15.40	252	171135	10.019	ng	98
91) Benzo(a,h,i)perylene	17.39	276	82518	5.682	ng	95

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

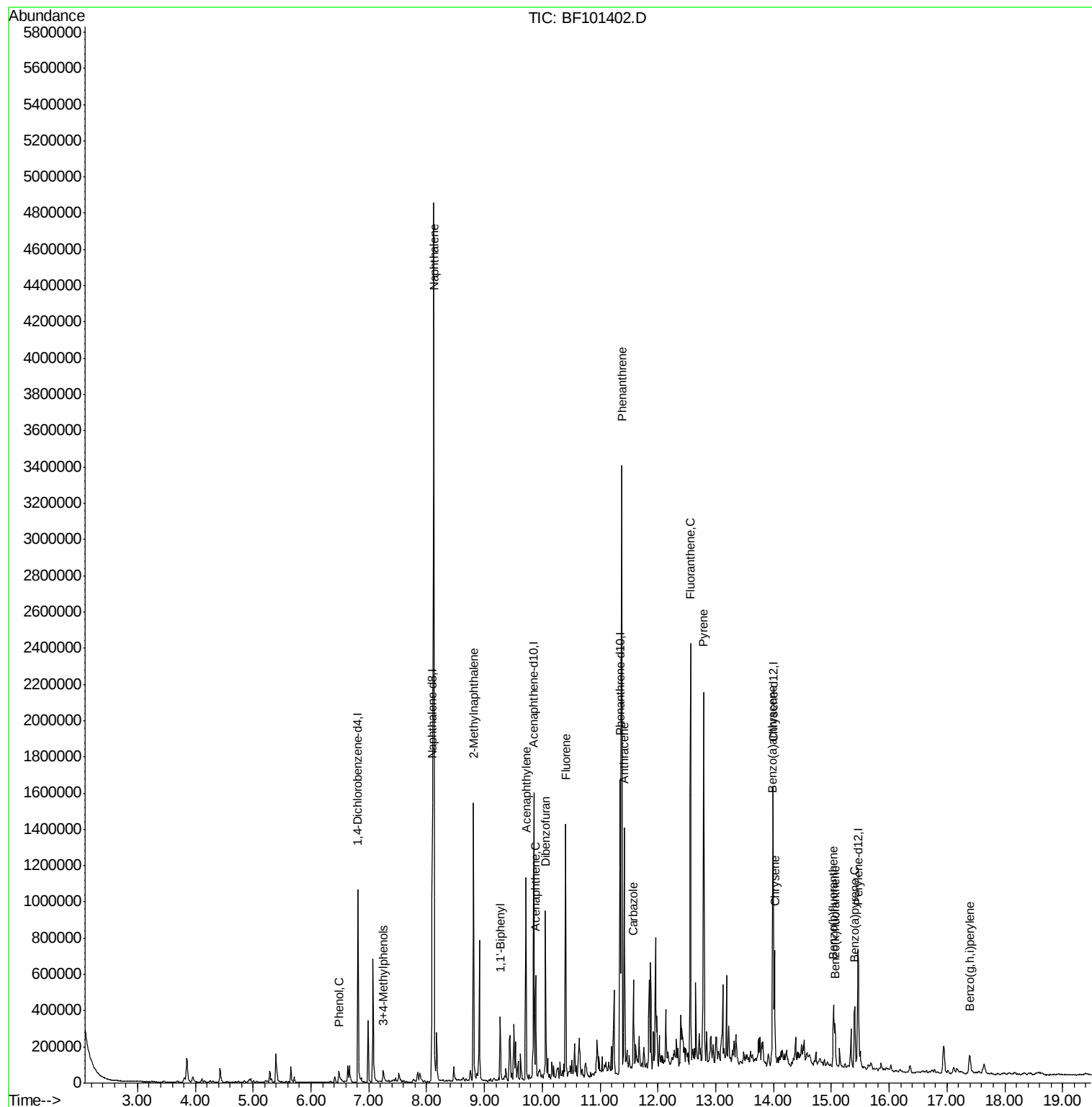
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101402.D
Acq On : 14 Dec 2017 19:23
Operator : SJ/JU
Sample : I6836-01 100X
Misc :
ALS Vial : 7 Sample Multiplier: 1

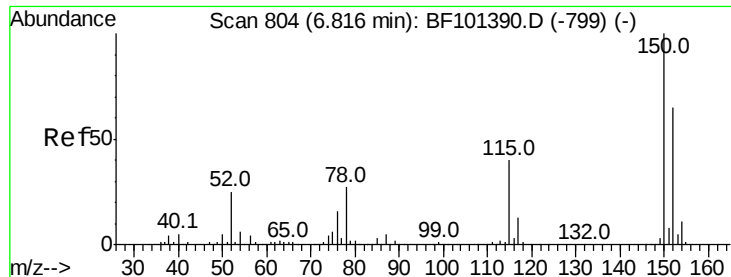
Instrument :
BNA_F
ClientSampleId :
WC-70-01

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Quant Time: Dec 15 00:32:04 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 14 15:42:32 2017
Response via : Initial Calibration





#1

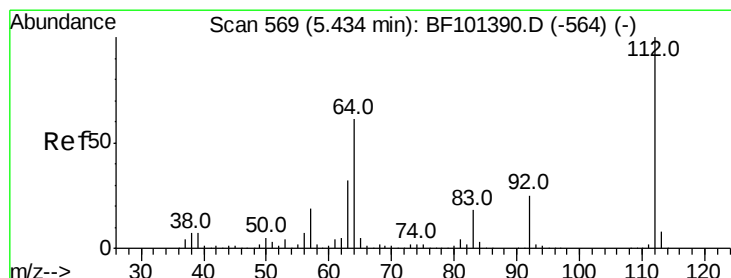
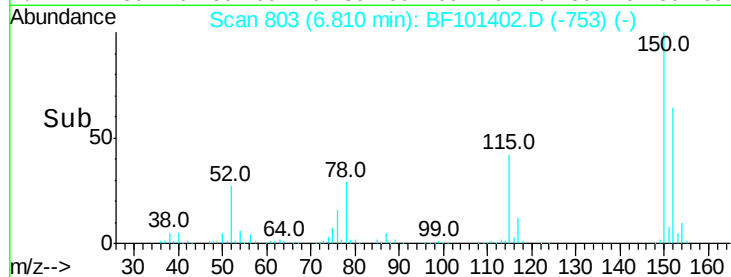
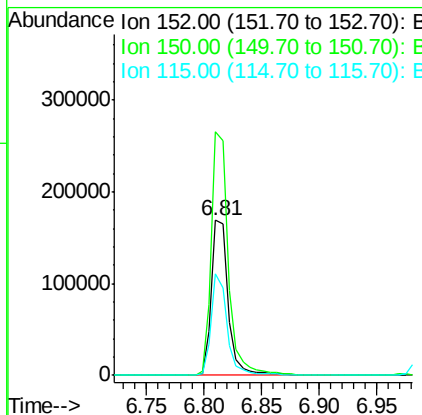
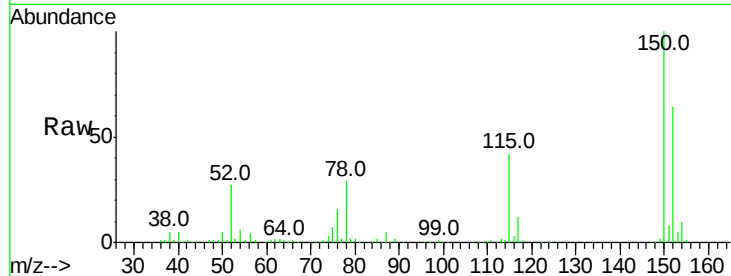
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF101402.D
Acq: 14 Dec 2017 19:23

Instrument :
BNA_F
ClientSampleId :
WC-70-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.6	186.8
115	65.7	50.1	75.1

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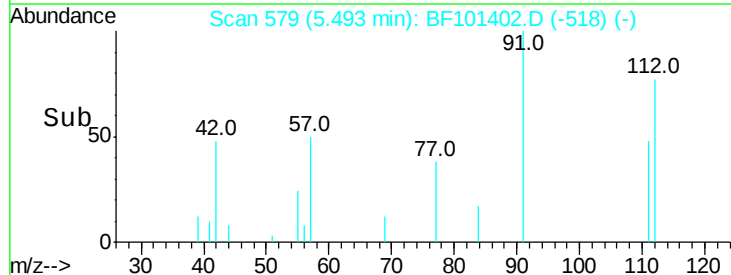
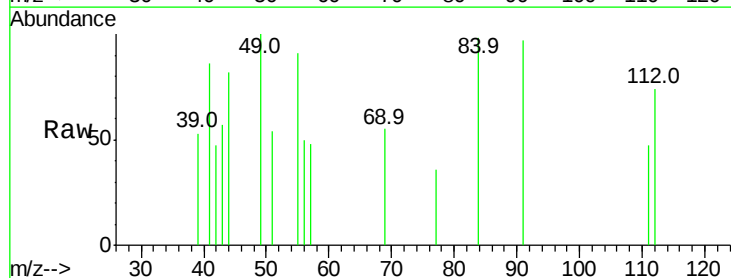
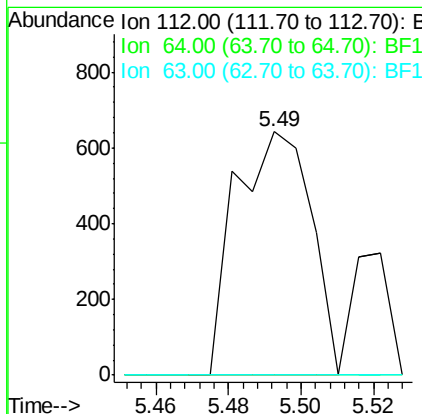
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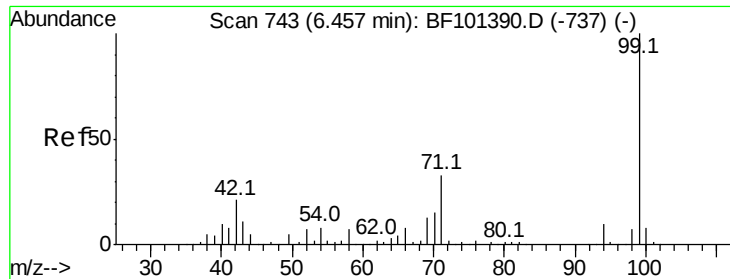


#5

2-Fluorophenol
Concen: 0.080 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.06 min
Lab File: BF101402.D
Acq: 14 Dec 2017 19:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	0.0	47.9	71.9#
63	0.0	23.7	35.5#





#7

Phenol-d6

Concen: 0.126 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF101402.D

Acq: 14 Dec 2017 19:23

Instrument :

BNA_F

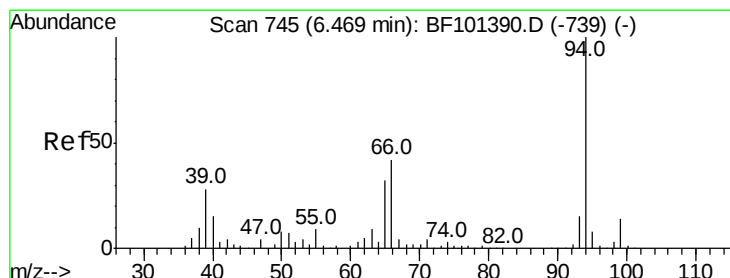
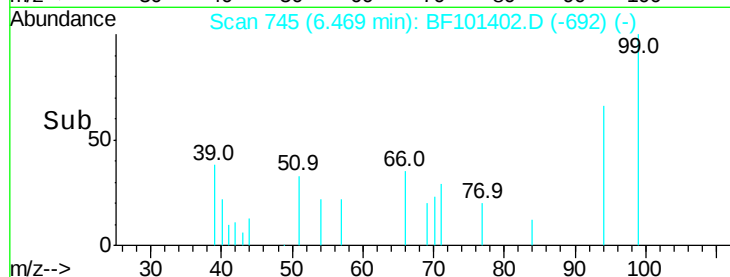
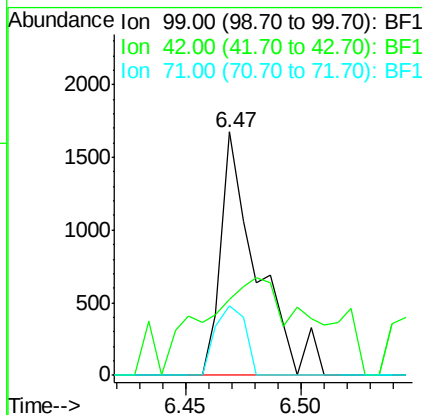
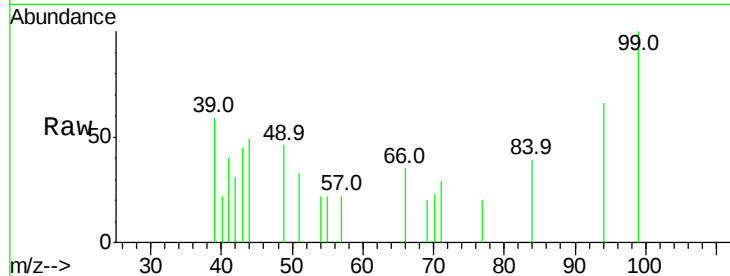
ClientSampleId :

WC-70-01

Tot Ion:	99	Resp:	1823
Ion	Ratio	Lower	Upper
99	100		
42	31.0	14.5	21.7#
71	28.5	25.4	38.0

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#10

Phenol

Concen: 2.768 ng

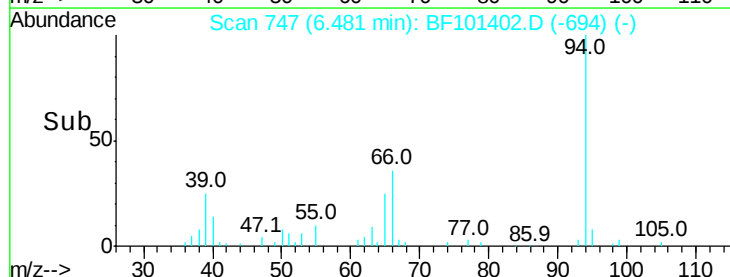
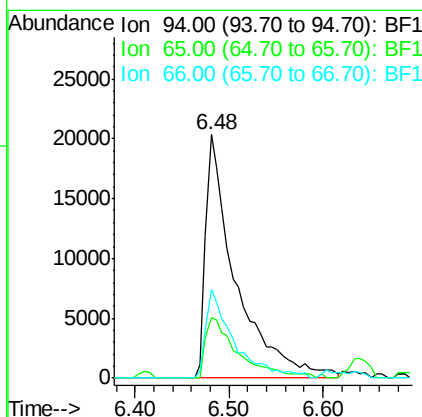
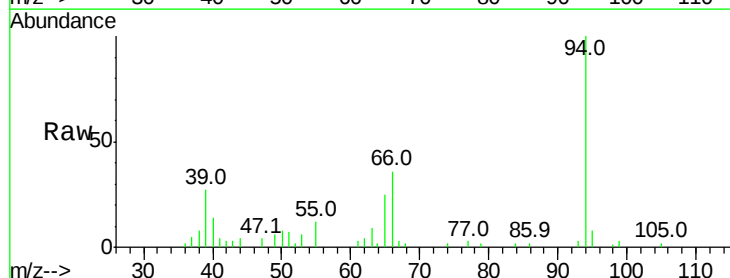
RT: 6.48 min Scan# 747

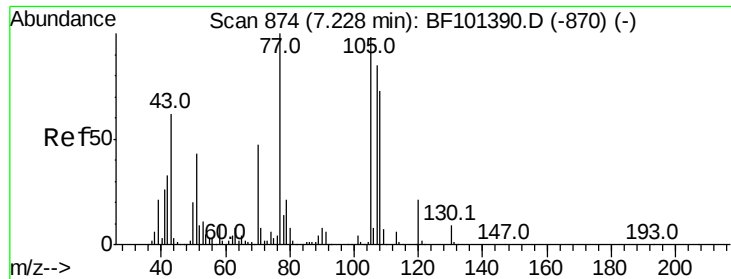
Delta R.T. 0.01 min

Lab File: BF101402.D

Acq: 14 Dec 2017 19:23

Tgt Ion:	94	Resp:	45523
Ion	Ratio	Lower	Upper
94	100		
65	24.7	7.9	47.9
66	36.5	16.2	56.2





#20

3+4-Methylphenols

Concen: 2.209 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.02 min

Lab File: BF101402.D

Acq: 14 Dec 2017 19:23

Instrument :

BNA_F

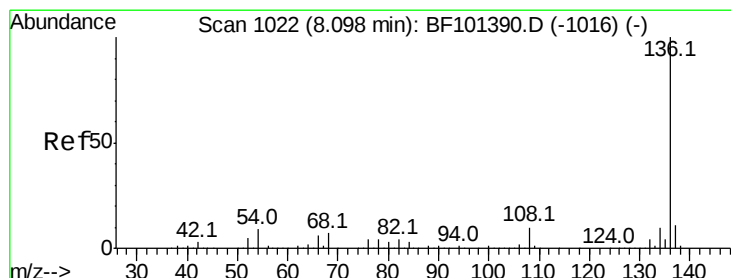
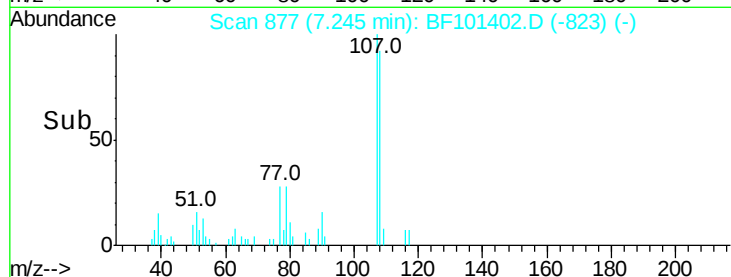
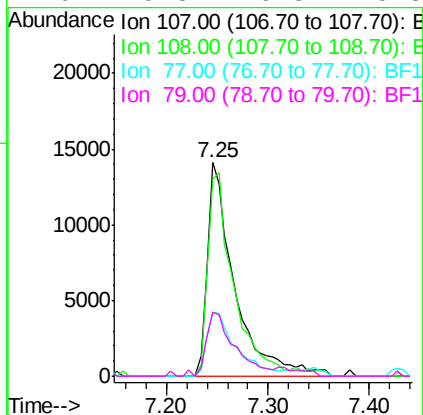
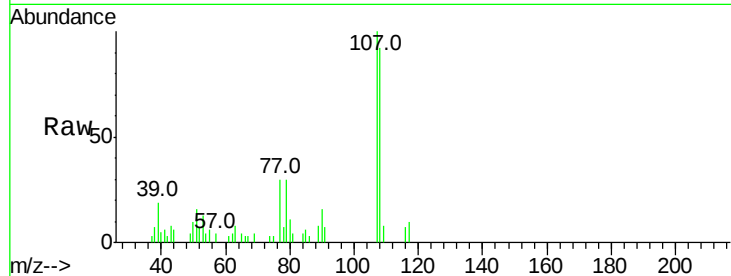
ClientSampleId :

WC-70-01

Tot Ion:	107	Resp:	26260
Ion	Ratio	Lower	Upper
107	100		
108	92.2	68.2	108.2
77	30.0	26.7	66.7
79	29.8	6.3	46.3

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#21

Naphthalene-d8

Concen: 20.000 ng

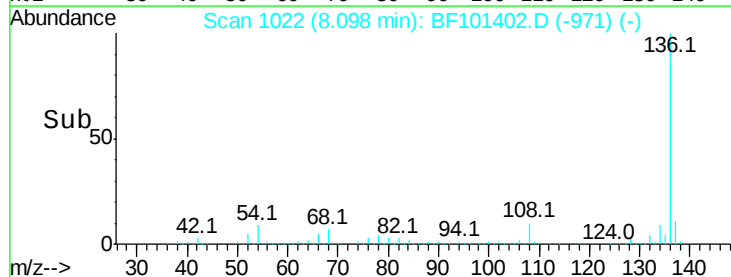
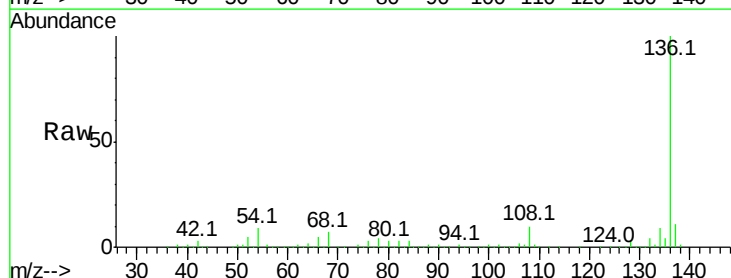
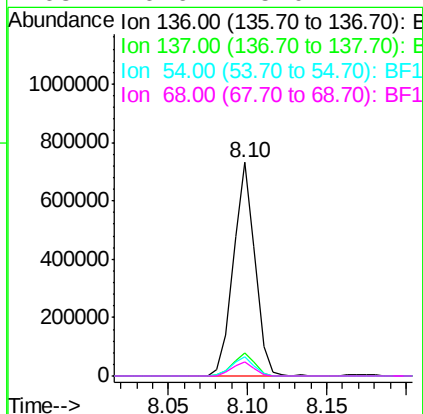
RT: 8.10 min Scan# 1022

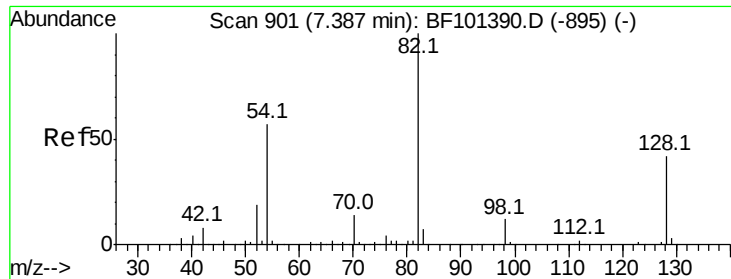
Delta R.T. -0.00 min

Lab File: BF101402.D

Acq: 14 Dec 2017 19:23

Tgt Ion:	136	Resp:	687167
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.1	6.6	9.8
68	6.6	5.0	7.4





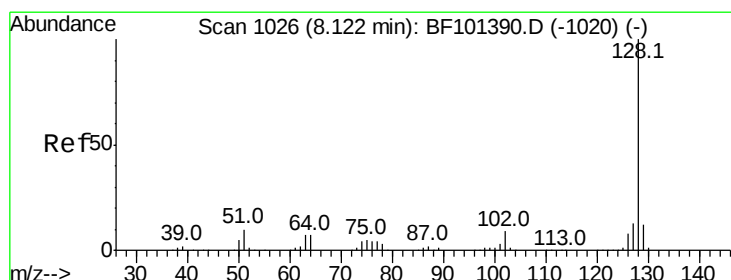
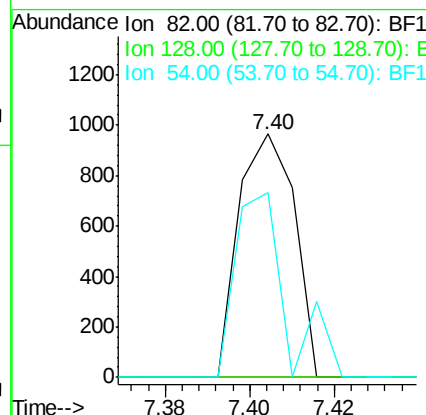
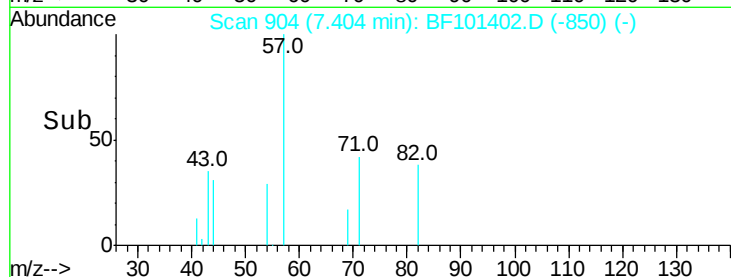
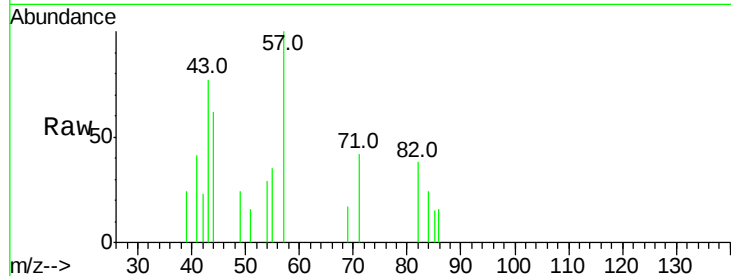
#23
Nitrobenzene-d5
Concen: 0.072 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.02 min
Lab File: BF101402.D
Acq: 14 Dec 2017 19:23

Instrument :
BNA_F
ClientSampleId :
WC-70-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	0.0	36.1	54.1#
54	76.1	41.4	62.2#

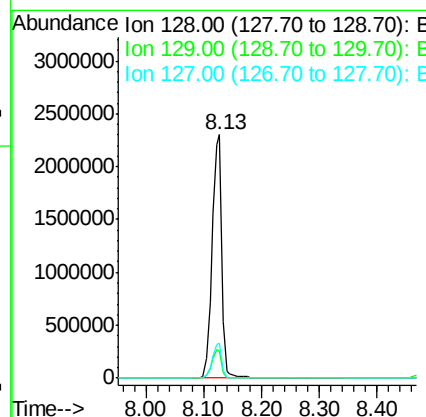
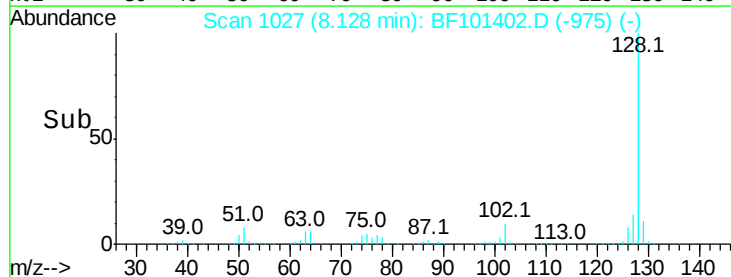
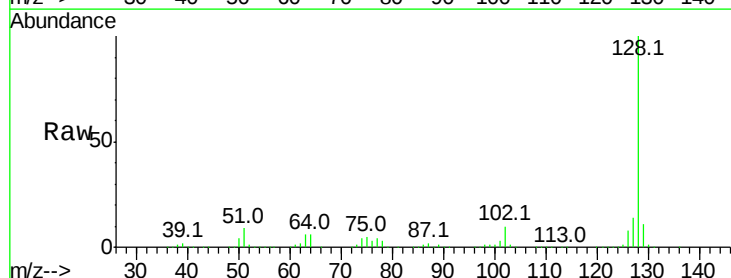
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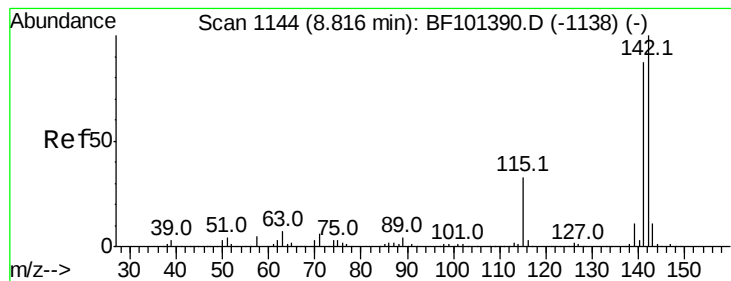
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#31
Naphthalene
Concen: 79.260 ng
RT: 8.13 min Scan# 1027
Delta R.T. 0.01 min
Lab File: BF101402.D
Acq: 14 Dec 2017 19:23

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	14.2	10.9	16.3





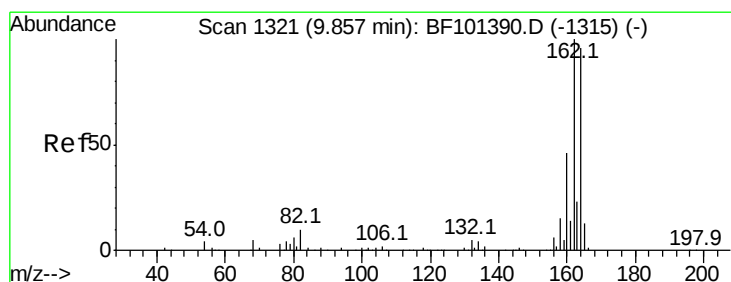
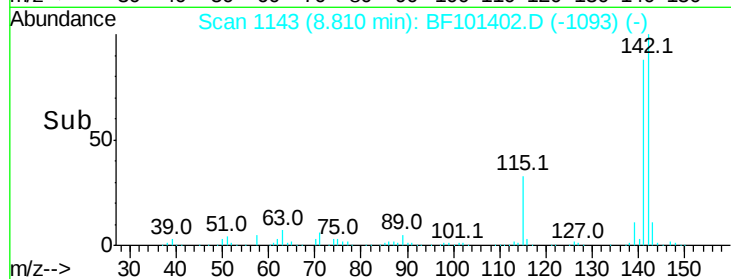
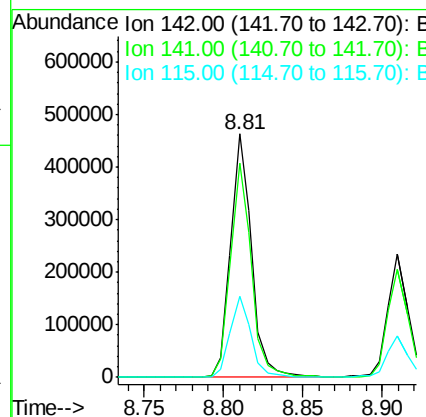
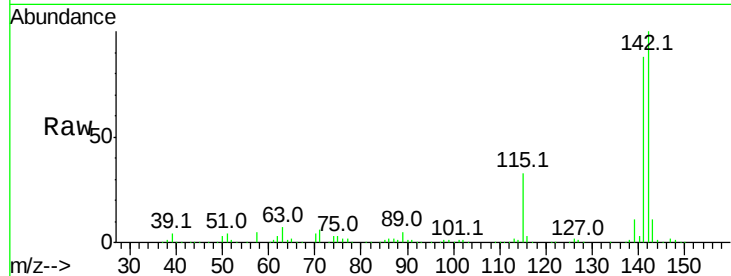
#37
2-Methylnaphthalene
Concen: 18.836 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF101402.D
Acq: 14 Dec 2017 19:23

Instrument :
BNA_F
ClientSampleId :
WC-70-01

Tot Ion	Ratio	Resp	Lower	Upper
142	100	424555		
141	88.1		70.8	106.2
115	33.3		26.1	39.1

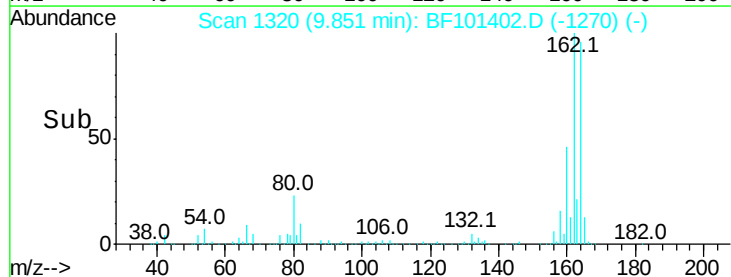
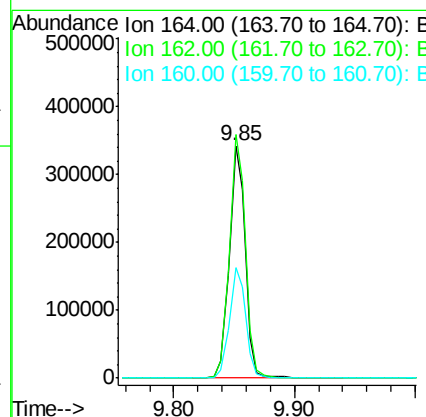
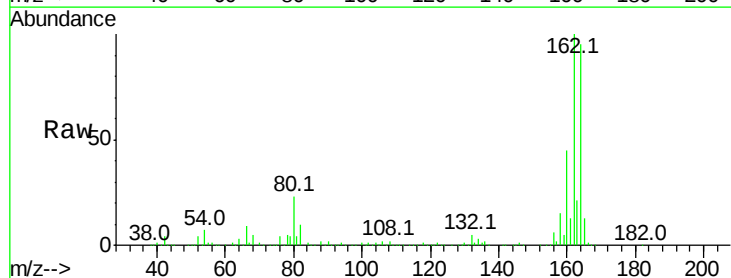
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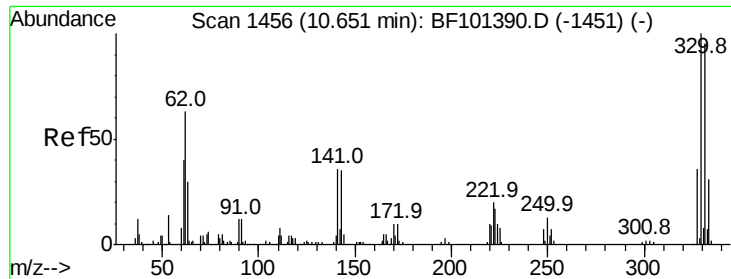
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF101402.D
Acq: 14 Dec 2017 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	310519		
162	104.8		86.1	129.1
160	47.5		38.3	57.5





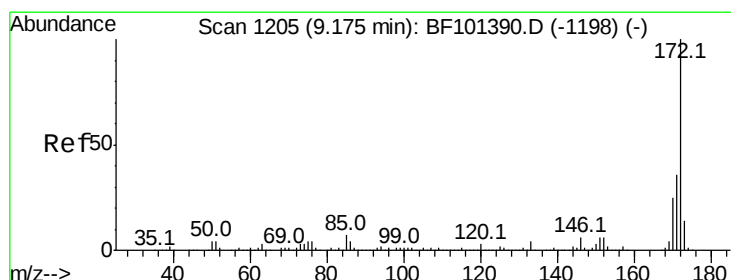
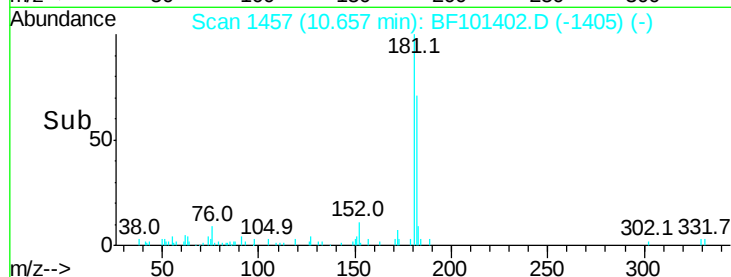
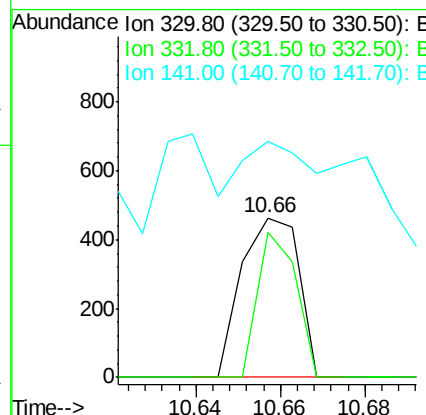
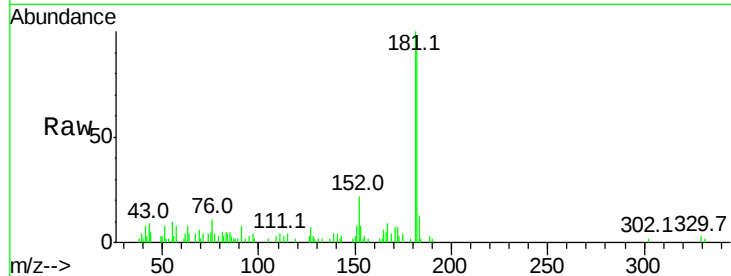
#41
 2,4,6-Tribromophenol
 Concen: 0.146 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. 0.01 min
 Lab File: BF101402.D
 Acq: 14 Dec 2017 19:23

Instrument :
 BNA_F
 ClientSampled :
 WC-70-01

Tot Ion	Ratio	Lower	Upper
330	100		
332	61.2	77.0	115.6#
141	305.3	29.9	44.9#

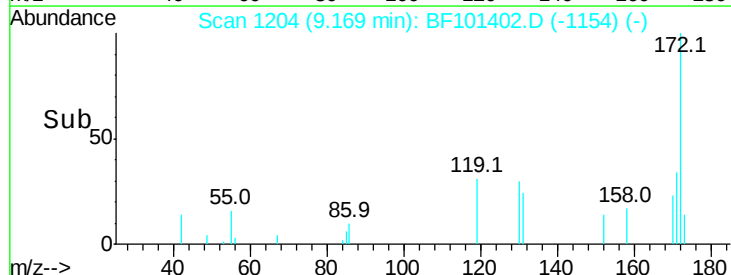
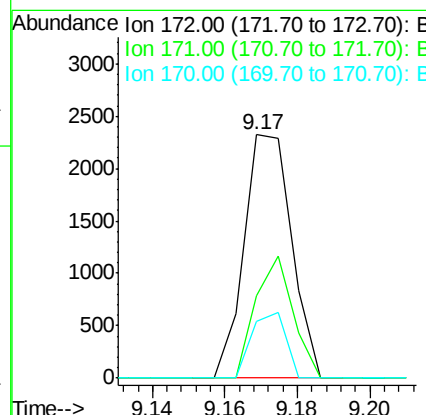
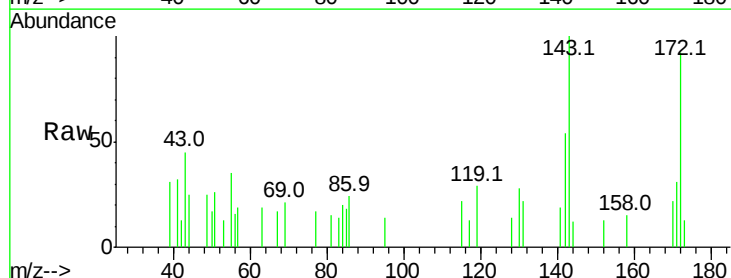
Manual Integrations
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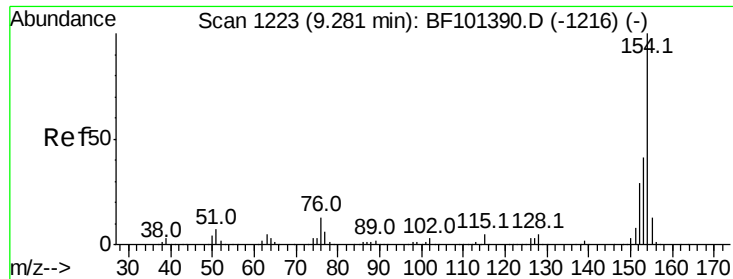
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#44
 2-Fluorobiphenyl
 Concen: 0.107 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF101402.D
 Acq: 14 Dec 2017 19:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.9	29.7	44.5
170	23.3	19.6	29.4





#45

1,1'-Biphenyl

Concen: 3.892 ng

RT: 9.27 min Scan# 1222

Delta R.T. -0.01 min

Lab File: BF101402.D

Acq: 14 Dec 2017 19:23

Instrument :

BNA_F

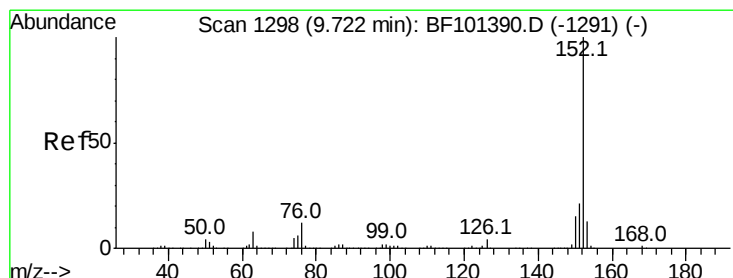
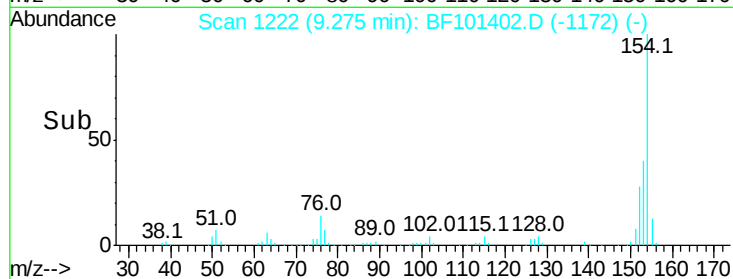
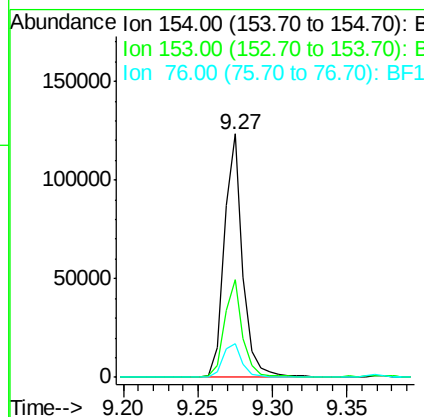
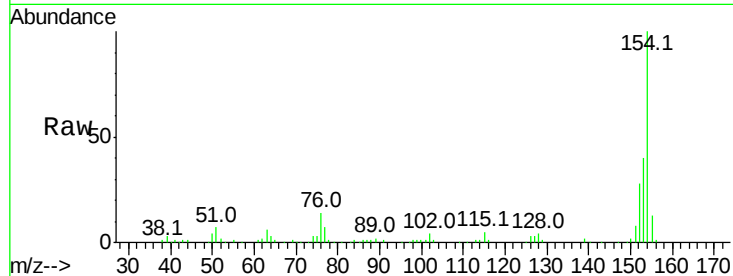
ClientSampleId :

WC-70-01

Tot Ion:	154	Resp:	107185
Ion Ratio	Lower	Upper	
154	100		
153	40.3	21.3	61.3
76	13.9	0.0	34.0

Manual Integrations
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#48

Acenaphthylene

Concen: 13.034 ng

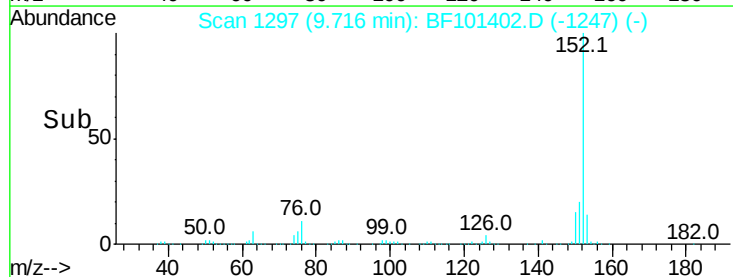
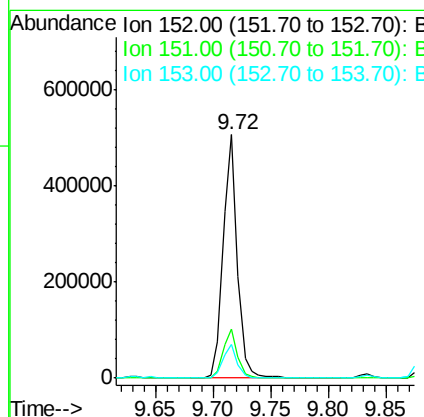
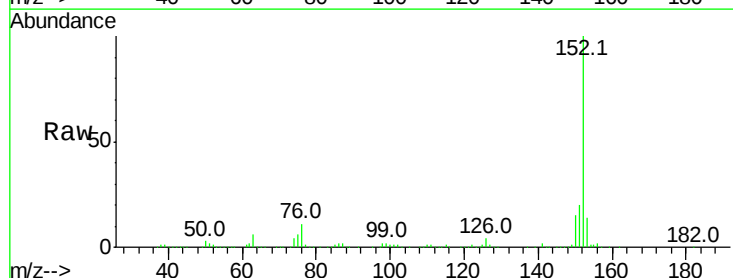
RT: 9.72 min Scan# 1297

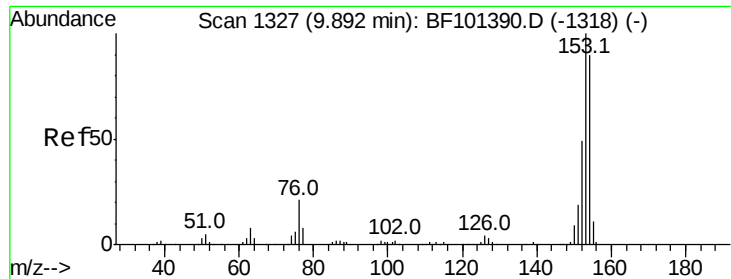
Delta R.T. -0.01 min

Lab File: BF101402.D

Acq: 14 Dec 2017 19:23

Tgt Ion:	152	Resp:	433784
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.3	24.5
153	13.6	10.7	16.1





#51

Acenaphthene

Concen: 5.784 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF101402.D

Acq: 14 Dec 2017 19:23

Instrument :

BNA_F

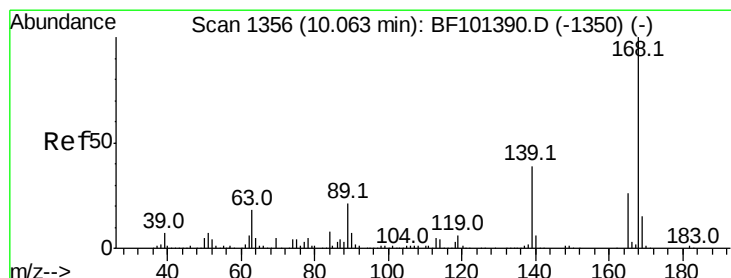
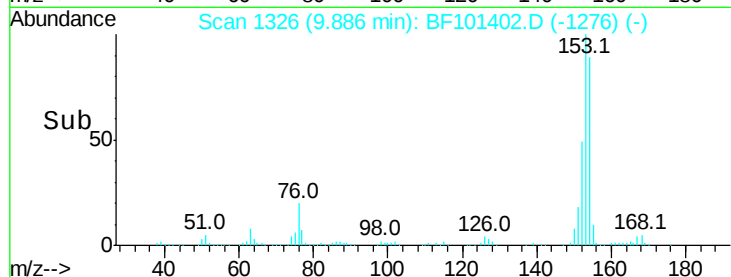
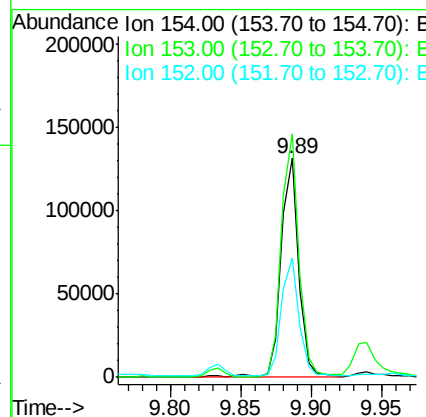
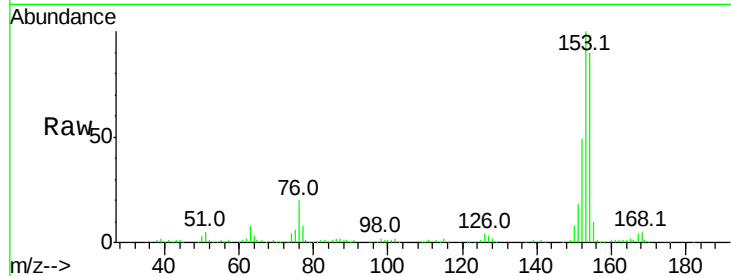
ClientSampleId :

WC-70-01

Tot Ion:	154	Resp:	115647
Ion Ratio	Lower	Upper	
154	100		
153	111.1	91.2	136.8
152	54.7	43.8	65.8

Manual Integrations
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#54

Dibenzofuran

Concen: 13.365 ng

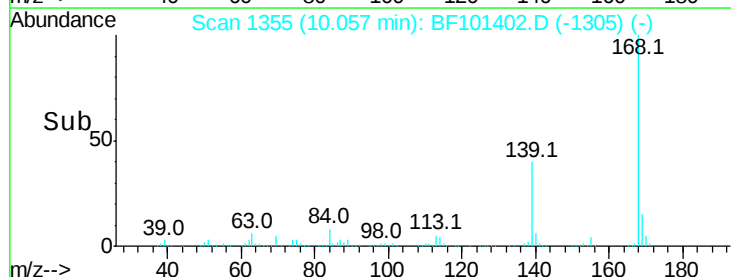
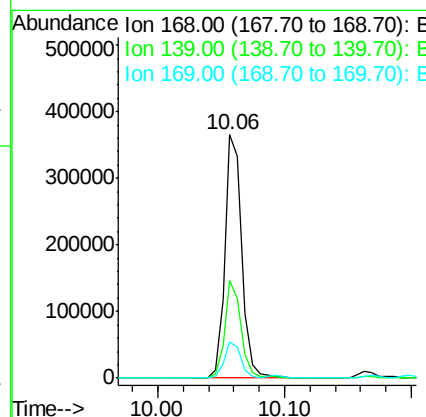
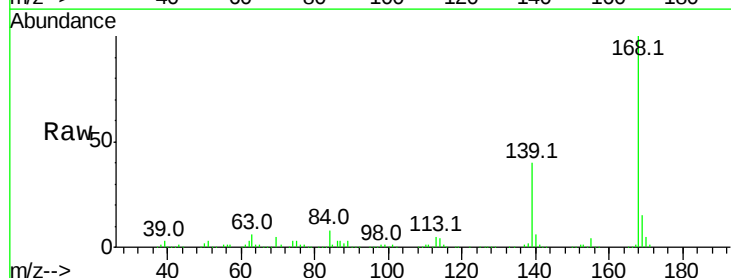
RT: 10.06 min Scan# 1355

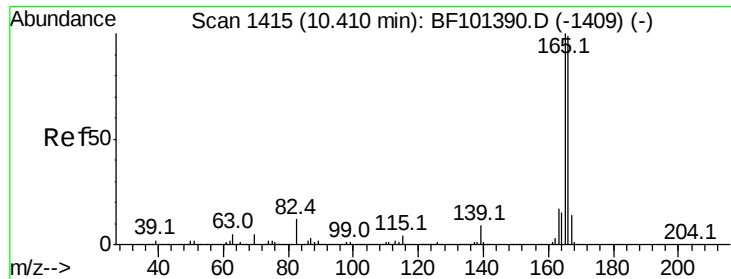
Delta R.T. -0.01 min

Lab File: BF101402.D

Acq: 14 Dec 2017 19:23

Tgt Ion:	168	Resp:	339615
Ion Ratio	Lower	Upper	
168	100		
139	40.0	30.1	45.1
169	14.7	10.9	16.3





#57

Fluorene

Concen: 18.606 ng

RT: 10.40 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BF101402.D

Acq: 14 Dec 2017 19:23

Instrument :

BNA_F

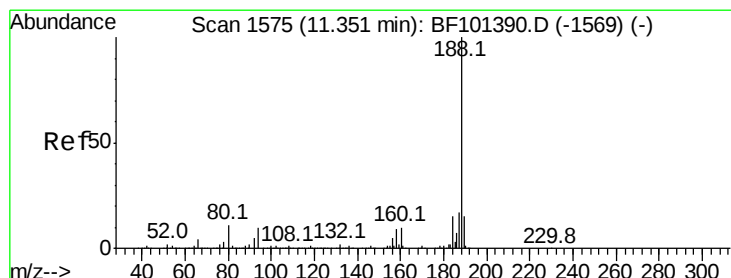
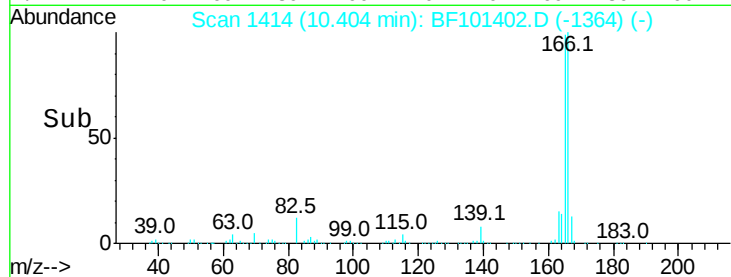
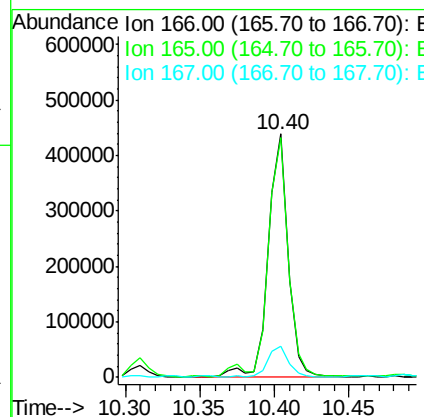
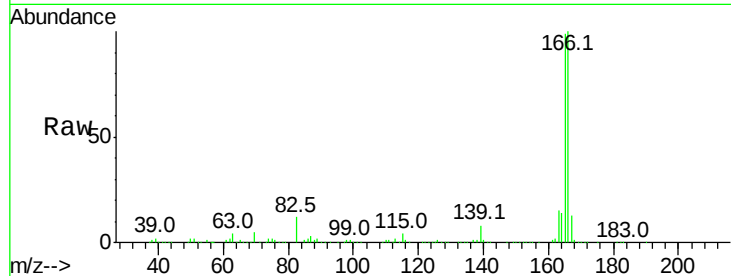
ClientSampled :

WC-70-01

Tot Ion:	166	Resp:	399961
Ion Ratio	Lower	Upper	
166	100		
165	98.7	79.8	119.8
167	12.9	10.6	16.0

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

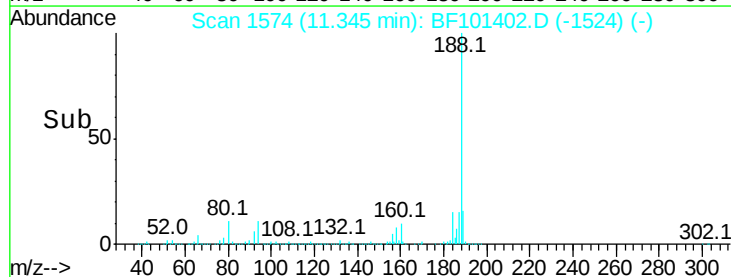
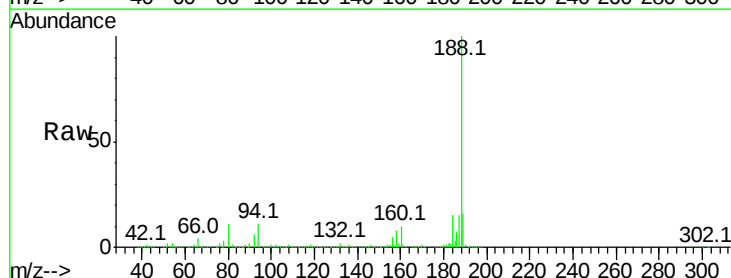
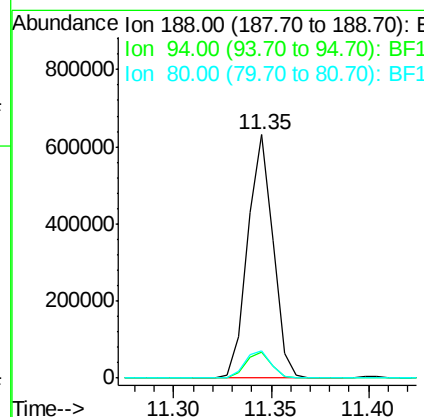
RT: 11.35 min Scan# 1574

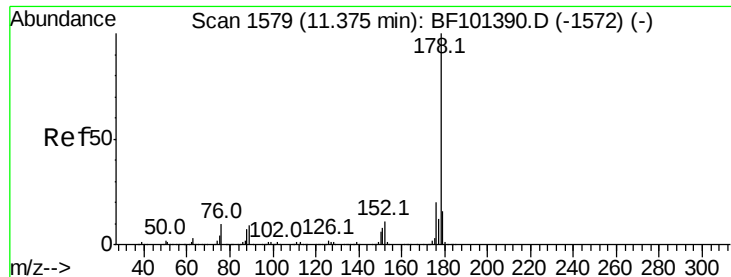
Delta R.T. -0.01 min

Lab File: BF101402.D

Acq: 14 Dec 2017 19:23

Tgt Ion:	188	Resp:	568279
Ion Ratio	Lower	Upper	
188	100		
94	10.8	8.5	12.7
80	11.2	9.2	13.8





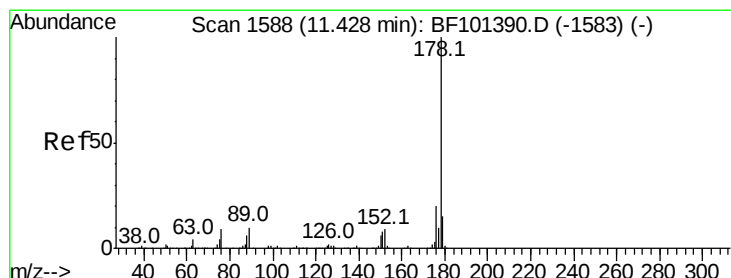
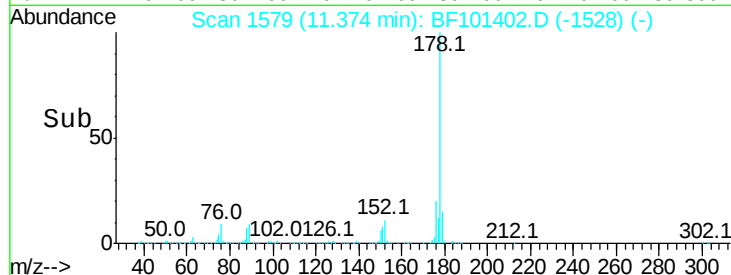
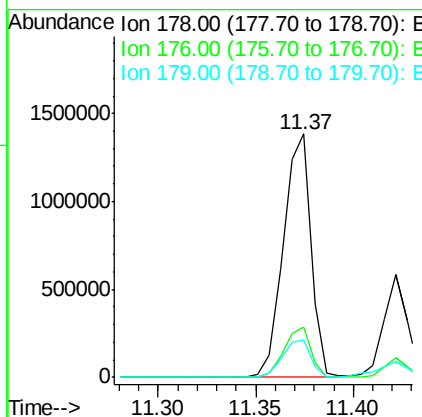
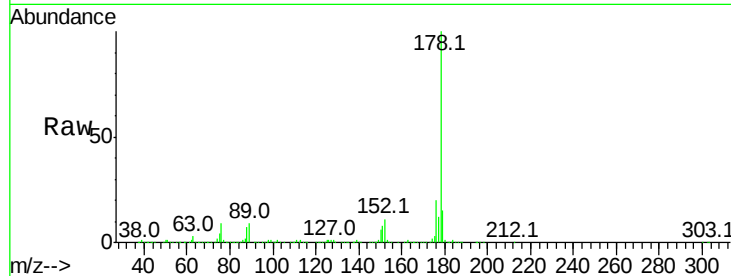
#70
Phenanthrene
Concen: 42.752 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.00 min
Lab File: BF101402.D
Acq: 14 Dec 2017 19:23

Instrument :
BNA_F
ClientSampled :
WC-70-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.8	23.8
179	15.5	13.0	19.6

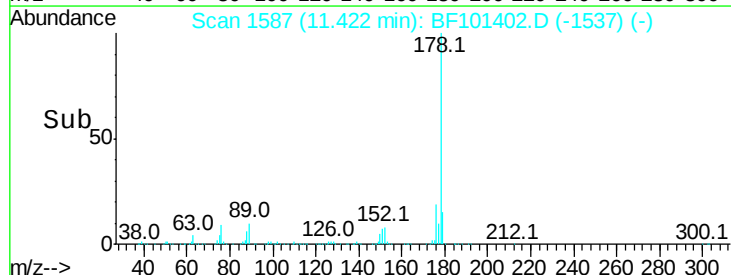
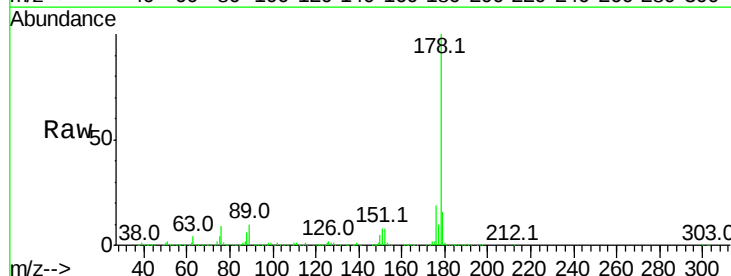
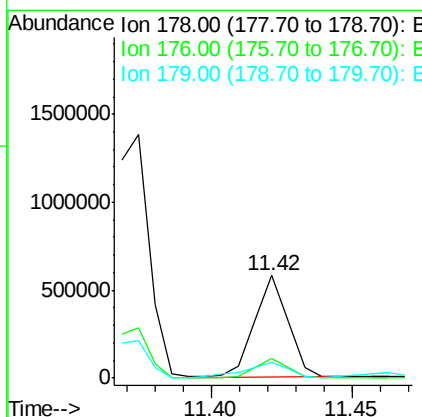
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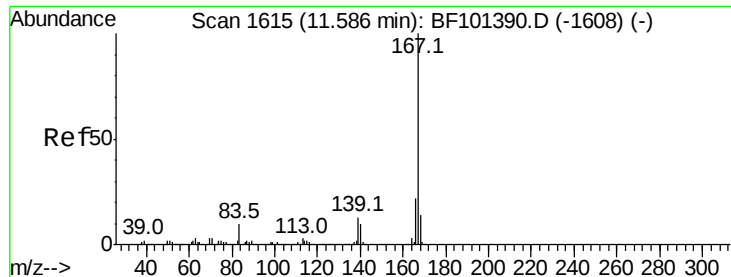
Sohil
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#71
Anthracene
Concen: 14.830 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF101402.D
Acq: 14 Dec 2017 19:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.7	12.6	19.0





#72

Carbazole

Concen: 5.894 ng

RT: 11.58 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF101402.D

Acq: 14 Dec 2017 19:23

Instrument :

BNA_F

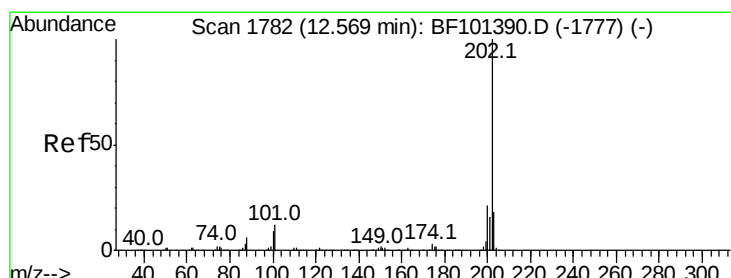
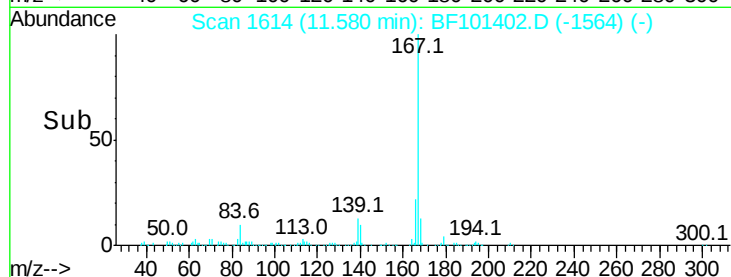
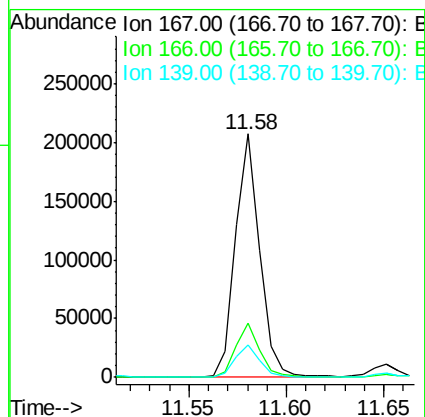
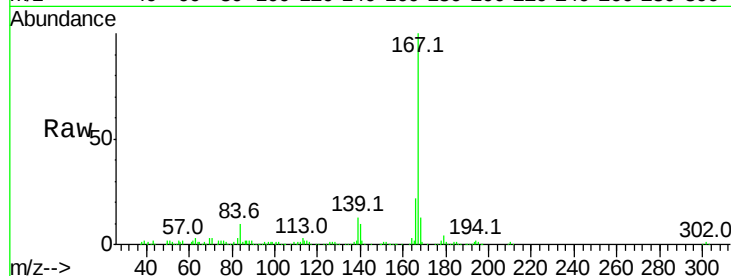
ClientSampleId :

WC-70-01

Tot Ion:	167	Resp:	178142
Ion Ratio	Lower	Upper	
167	100		
166	22.0	17.6	26.4
139	13.2	10.9	16.3

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#74

Fluoranthene

Concen: 27.909 ng

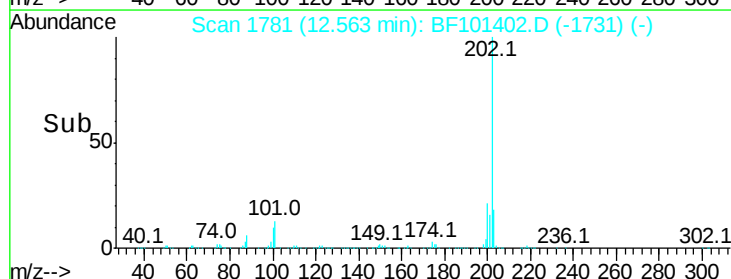
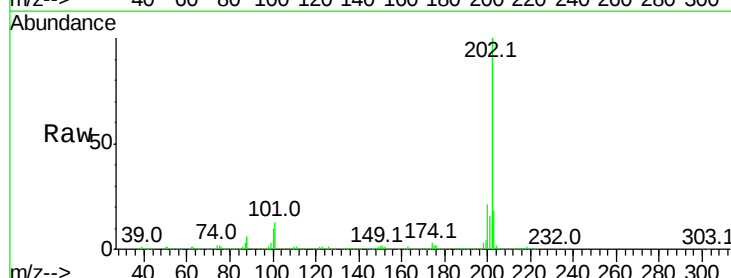
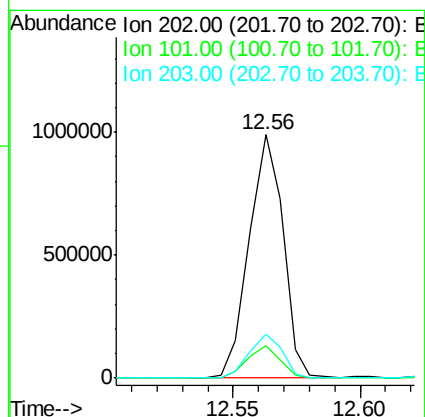
RT: 12.56 min Scan# 1781

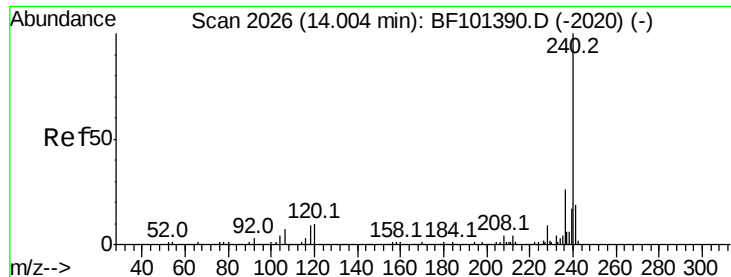
Delta R.T. -0.01 min

Lab File: BF101402.D

Acq: 14 Dec 2017 19:23

Tgt Ion:	202	Resp:	925801
Ion Ratio	Lower	Upper	
202	100		
101	13.3	0.0	34.1
203	18.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF101402.D

Acq: 14 Dec 2017 19:23

Instrument :

BNA_F

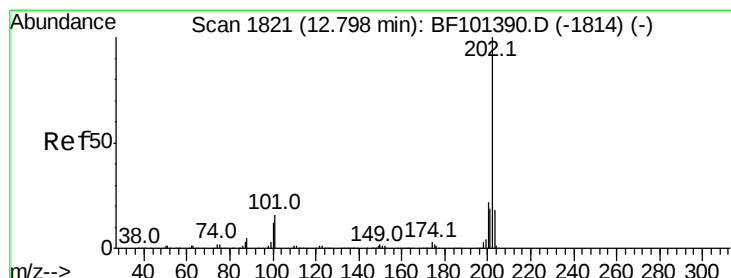
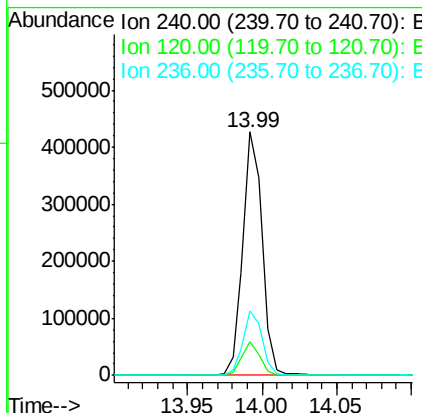
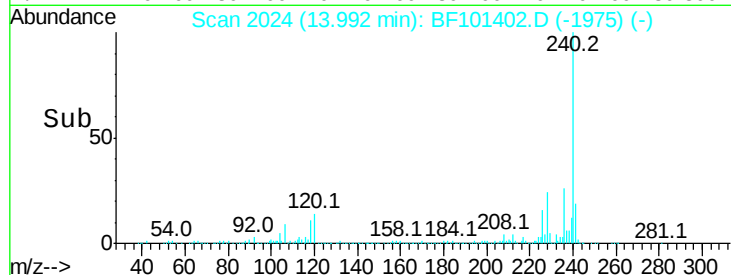
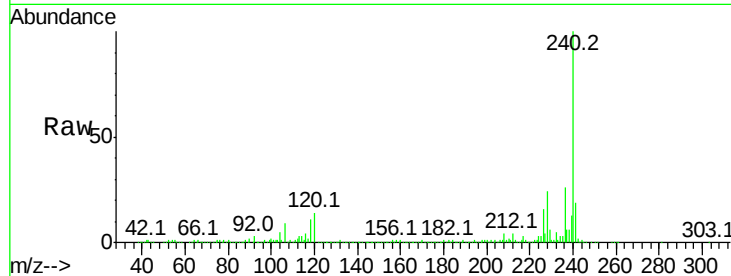
ClientSampled :

WC-70-01

Tot Ion:	240	Resp:	385269
Ion Ratio	Lower	Upper	
240	100		
120	13.7	9.5	14.3
236	26.3	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 27.902 ng

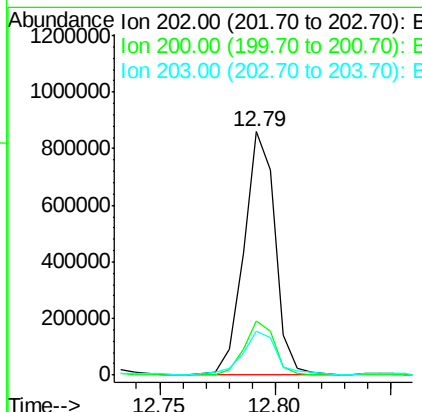
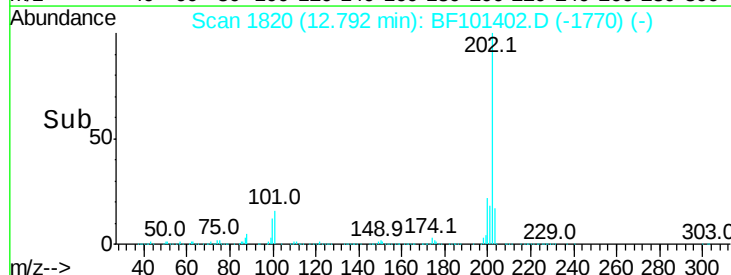
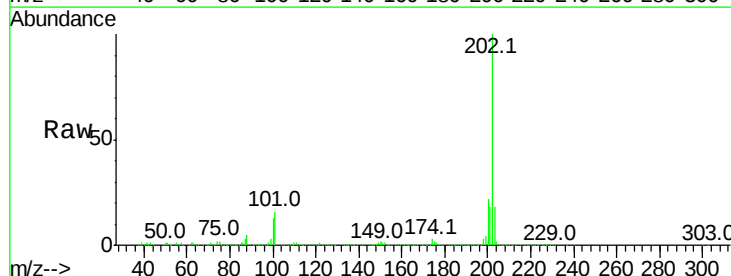
RT: 12.79 min Scan# 1820

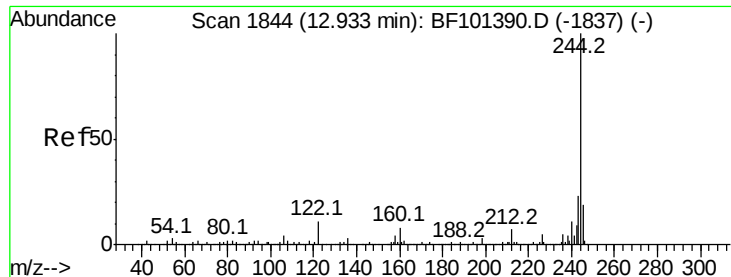
Delta R.T. -0.01 min

Lab File: BF101402.D

Acq: 14 Dec 2017 19:23

Tgt Ion:	202	Resp:	806781
Ion Ratio	Lower	Upper	
202	100		
200	22.2	17.4	26.2
203	17.9	14.3	21.5





#78

Terphenyl-d14

Concen: 0.216 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF101402.D

Acq: 14 Dec 2017 19:23

Instrument :

BNA_F

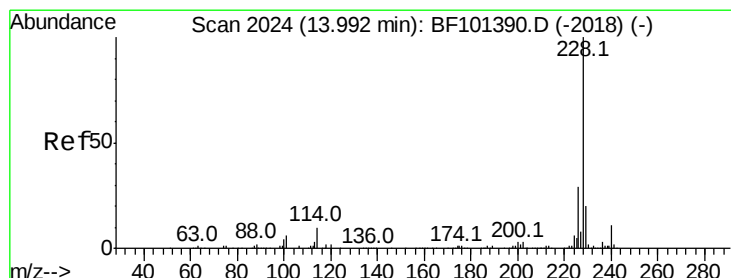
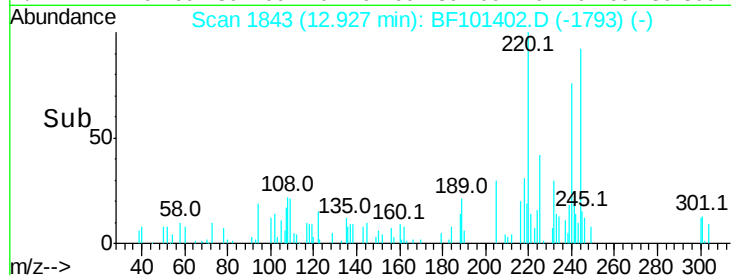
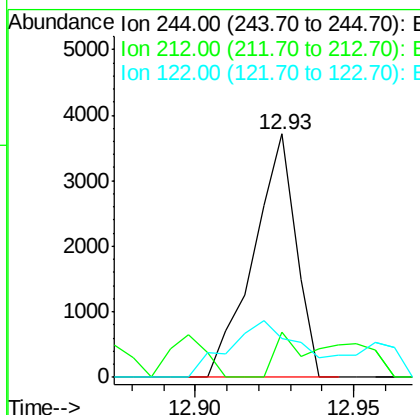
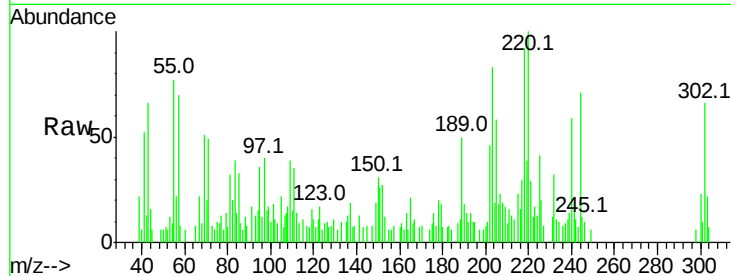
ClientSampled :

WC-70-01

Tot Ion	Ratio	Lower	Upper
244	100		
212	18.5	5.4	8.0#
122	15.9	11.0	16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 12.061 ng

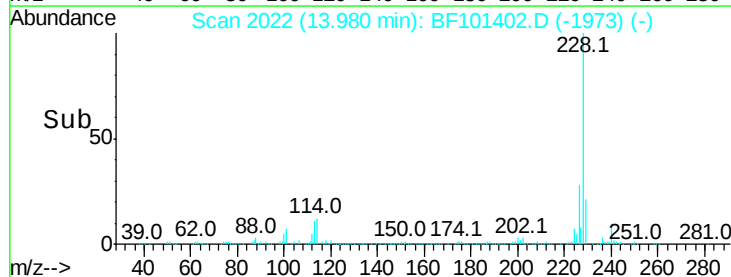
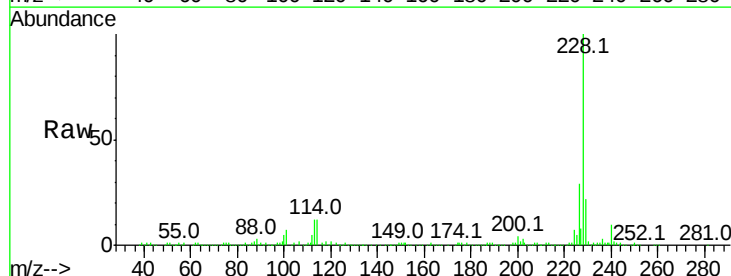
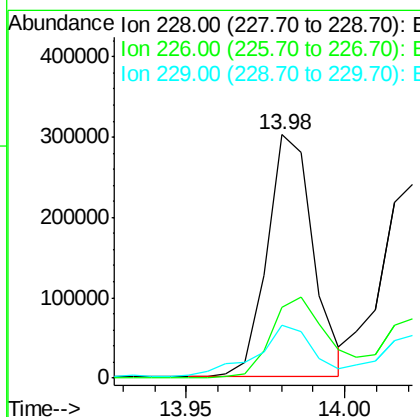
RT: 13.98 min Scan# 2022

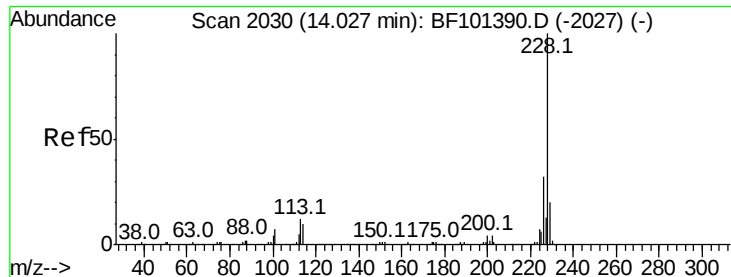
Delta R.T. -0.01 min

Lab File: BF101402.D

Acq: 14 Dec 2017 19:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	21.6	15.8	23.6





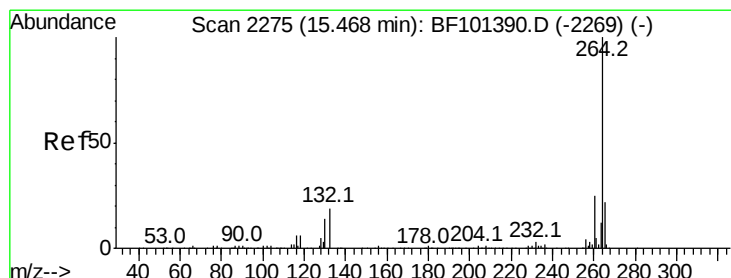
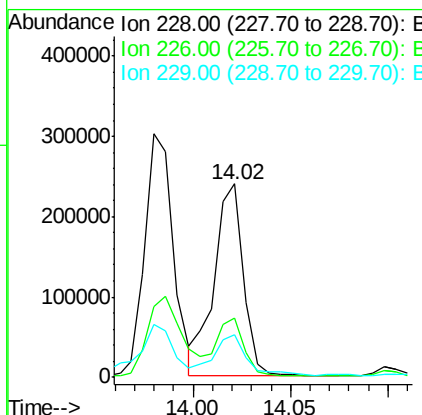
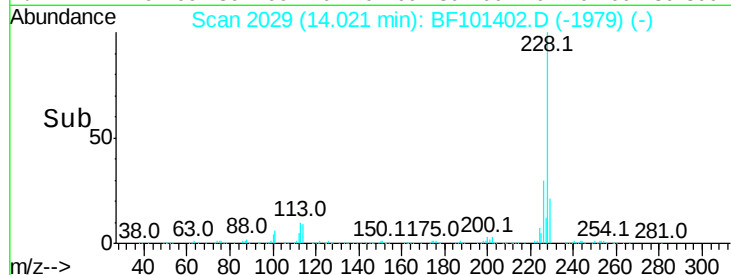
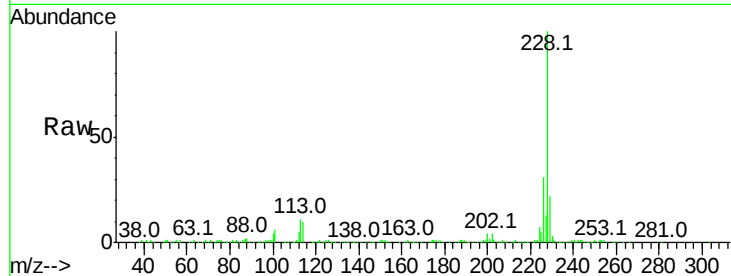
#82
Chrysene
Concen: 10.394 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF101402.D
Acq: 14 Dec 2017 19:23

Instrument :
BNA_F
ClientSampled :
WC-70-01

Tot Ion:	228	Resp:	249657
Ion Ratio	Lower	Upper	
228	100		
226	30.9	25.0	37.6
229	22.3	16.2	24.4

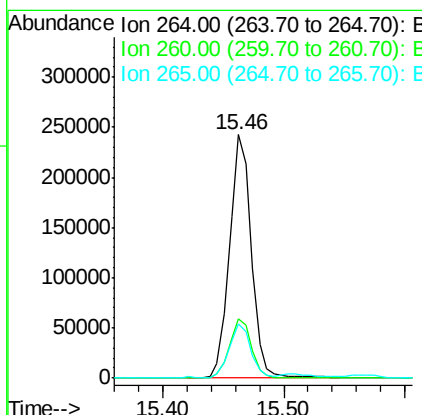
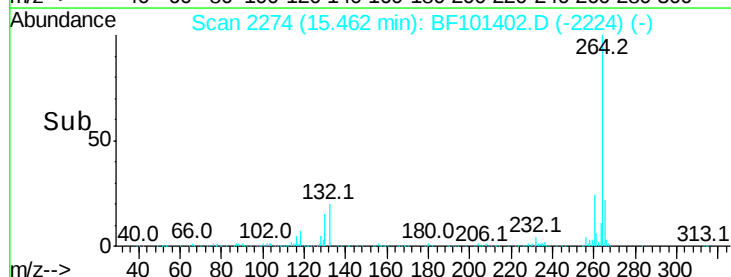
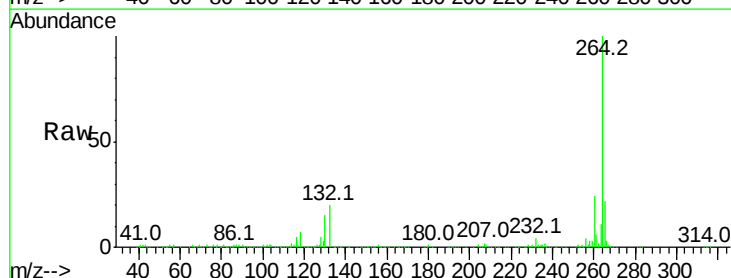
Manual Integrations
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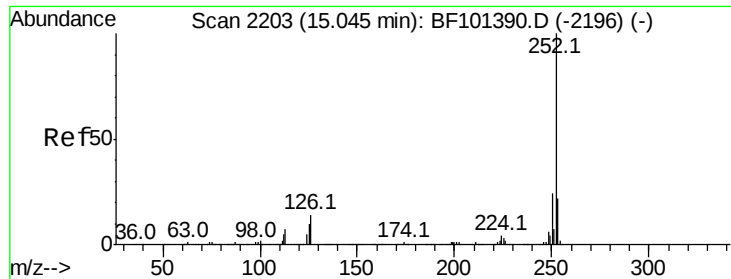
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF101402.D
Acq: 14 Dec 2017 19:23

Tgt Ion:	264	Resp:	304006
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.2	28.8
265	22.0	17.5	26.3





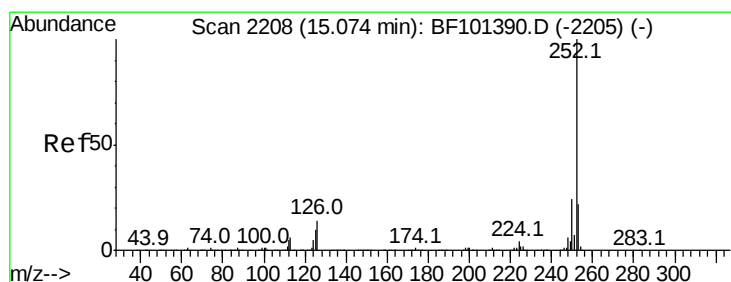
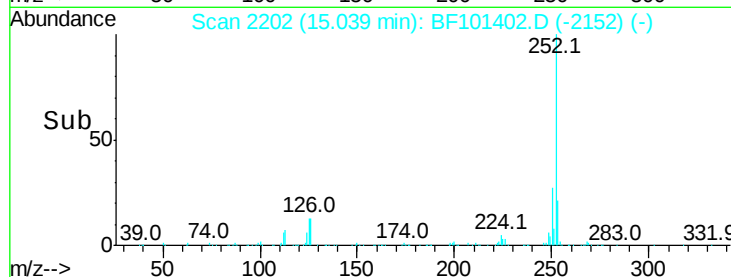
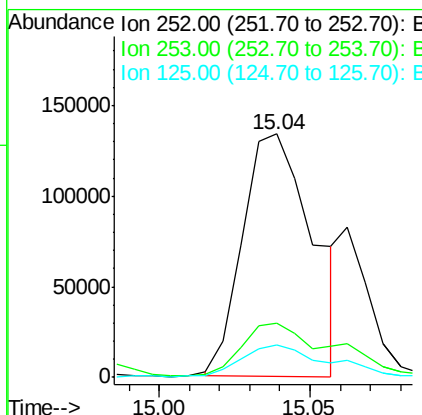
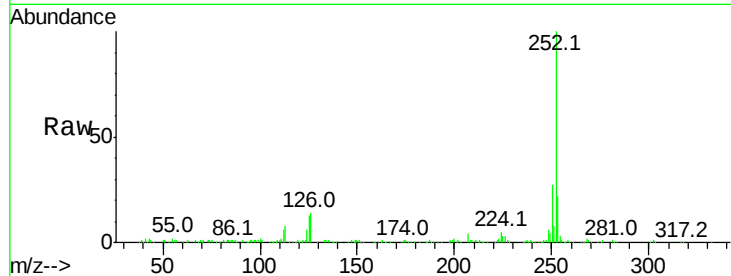
#87
Benzo(b)fluoranthene
Concen: 11.583 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF101402.D
Acq: 14 Dec 2017 19:23

Instrument :
BNA_F
ClientSampleId :
WC-70-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	13.3	9.0	13.6

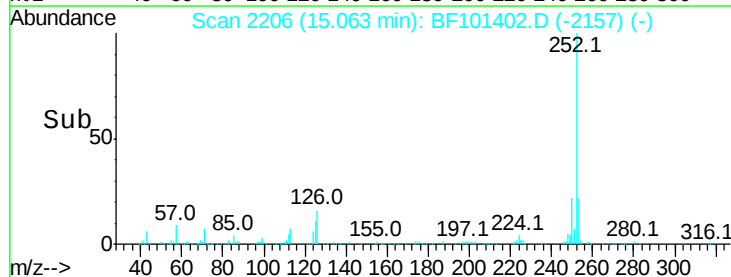
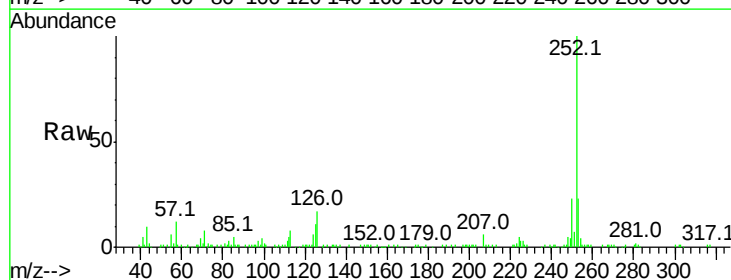
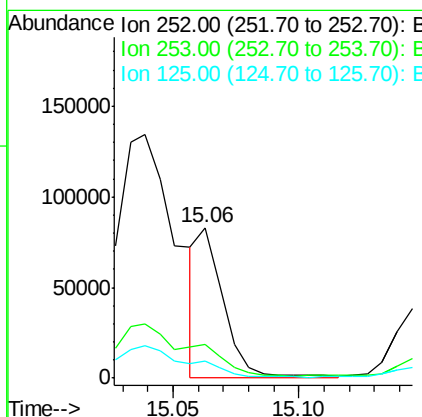
Manual Integrations
APPROVED

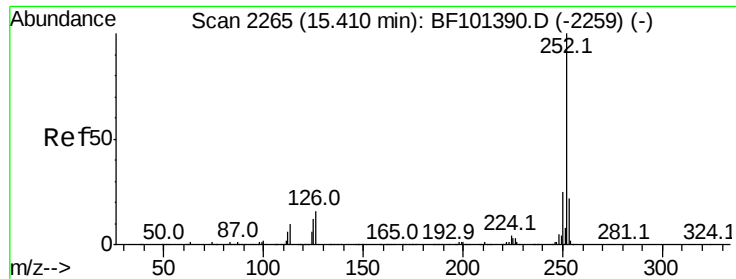
Sohil
12/15/2017 6:44:10 PM



#88
Benzo(k)fluoranthene
Concen: 3.231 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF101402.D
Acq: 14 Dec 2017 19:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	11.4	10.2	15.2





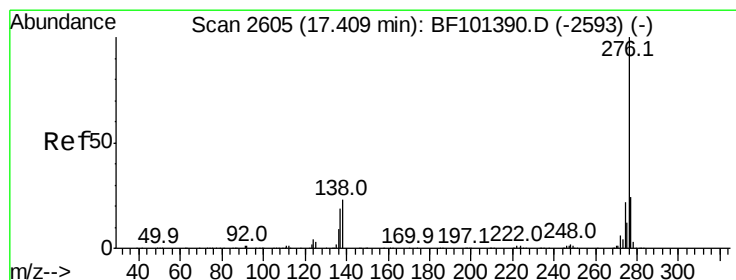
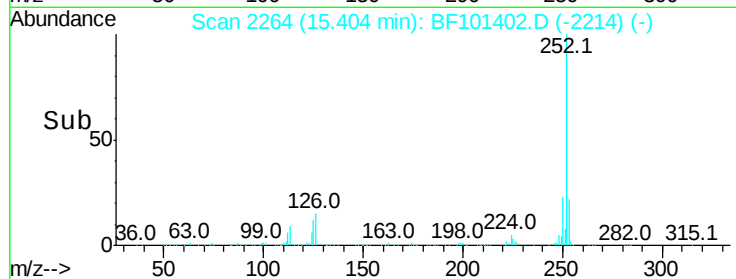
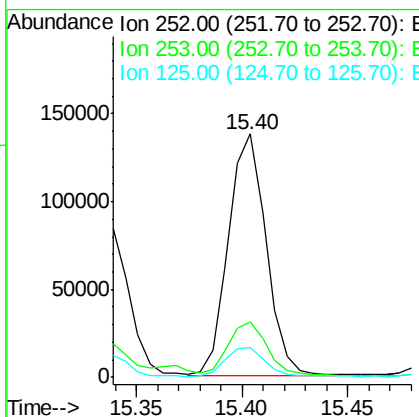
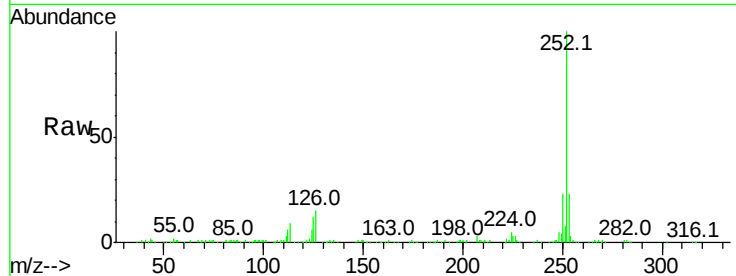
#89
Benzo(a)pyrene
Concen: 10.019 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BF101402.D
Acq: 14 Dec 2017 19:23

Instrument :
BNA_F
ClientSampleId :
WC-70-01

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.6	17.1	25.7
125	12.4	9.8	14.6

Manual Integrations
APPROVED

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#91
Benzo(g,h,i)perylene
Concen: 5.682 ng
RT: 17.39 min Scan# 2602
Delta R.T. -0.02 min
Lab File: BF101402.D
Acq: 14 Dec 2017 19:23

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	25.1	17.9	26.9
138	24.6	21.8	32.8

