

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121417\
 Data File : BF101407.D
 Acq On : 14 Dec 2017 21:37
 Operator : SJ/JU
 Sample : I6841-01 100X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-01-01

Manual Integrations
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 12/15/2017 6:44:25 PM

Quant Time: Dec 15 01:08:55 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	6.82	152	174615	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	718693	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	322377	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	605685	20.00	ng	0.00
75) Chrysene-d12	13.99	240	411292	20.00	ng	-0.01
86) Perylene-d12	15.46	264	328070	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.55	99	1110	0.08	ng	0.09
23) Nitrobenzene-d5	7.42	82	600	0.05	ng	0.04
41) 2,4,6-Tribromophenol	10.66	330	125	0.04	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1951	0.09	ng	0.00
78) Terphenyl-d14	12.93	244	2716	0.16	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.12	128	779114	21.533	ng	100
37) 2-Methylnaphthalene	8.81	142	157834	6.696	ng	99
51) Acenaphthene	9.89	154	61062	2.941	ng	97
54) Dibenzofuran	10.06	168	82618	3.132	ng	98
57) Fluorene	10.40	166	136756	6.128	ng	98
70) Phenanthrene	11.37	178	564892	16.771	ng	98
71) Anthracene	11.42	178	144987	4.214	ng	98
74) Fluoranthene	12.56	202	360771	10.204	ng	96
77) Pyrene	12.79	202	344791	11.170	ng	99
80) Benzo(a)anthracene	13.98	228	125383	4.617	ng	99
82) Chrysene	14.02	228	105407	4.111	ng	97
87) Benzo(b)fluoranthene	15.04	252	77851m	3.893	ng	
89) Benzo(a)pyrene	15.40	252	73490	3.987	ng	99
91) Benzo(a,h,i)perylene	17.39	276	39080	2.494	ng	97

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

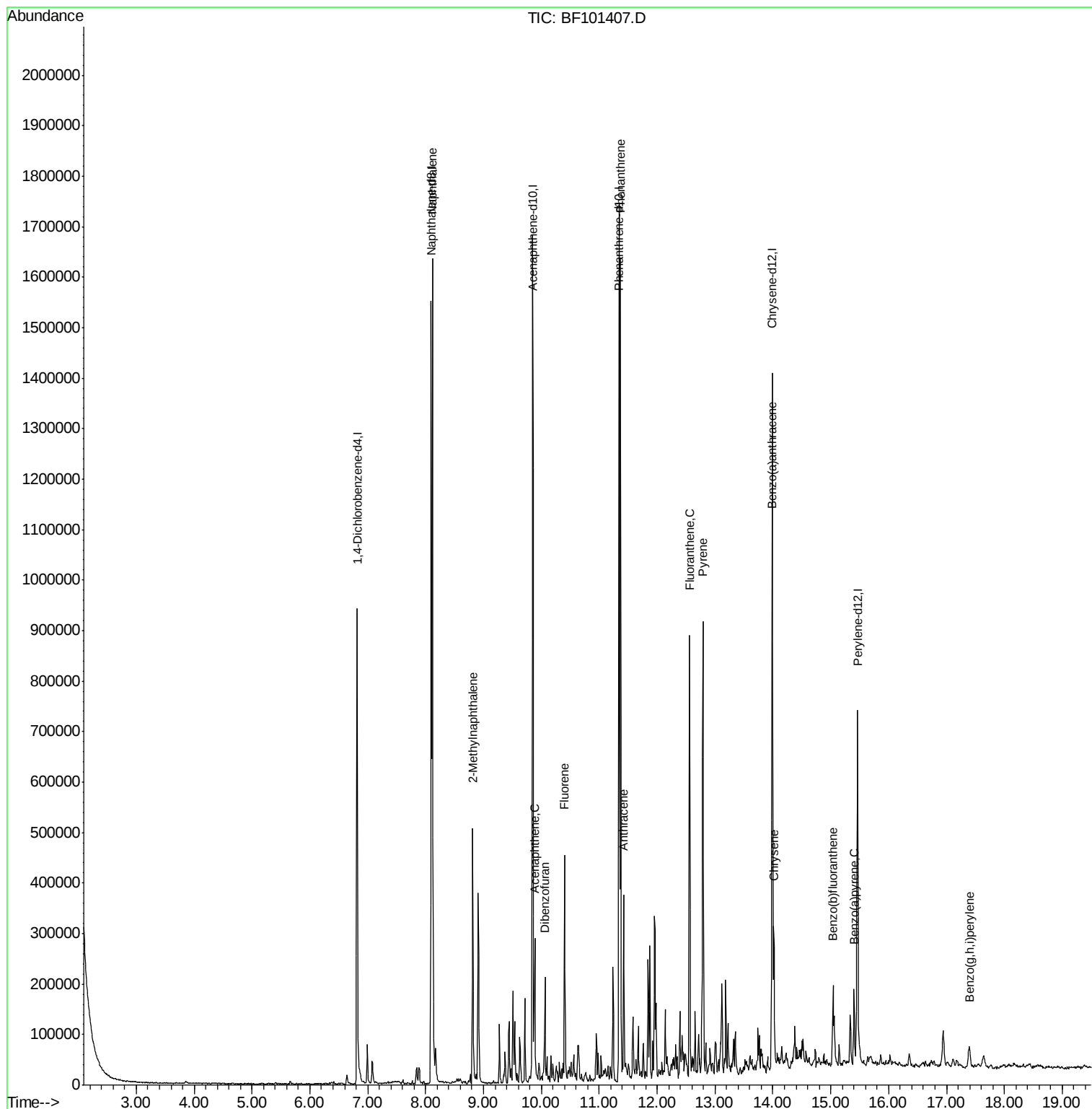
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101407.D
Acq On : 14 Dec 2017 21:37
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Sample : I6841-01 100X
Misc :
ALS Vial : 12 Sample Multiplier: 1

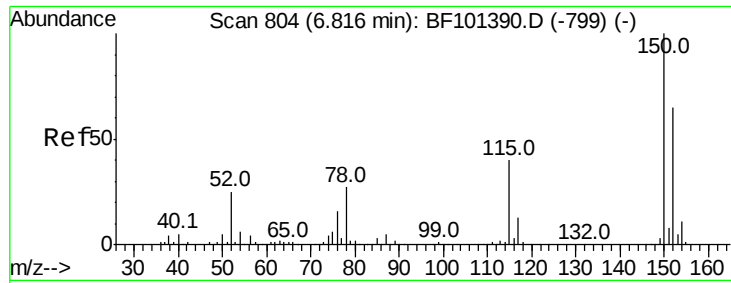
Instrument :
BNA_F
ClientSampleId :
WC-01-01

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Quant Time: Dec 15 01:08:55 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
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#1

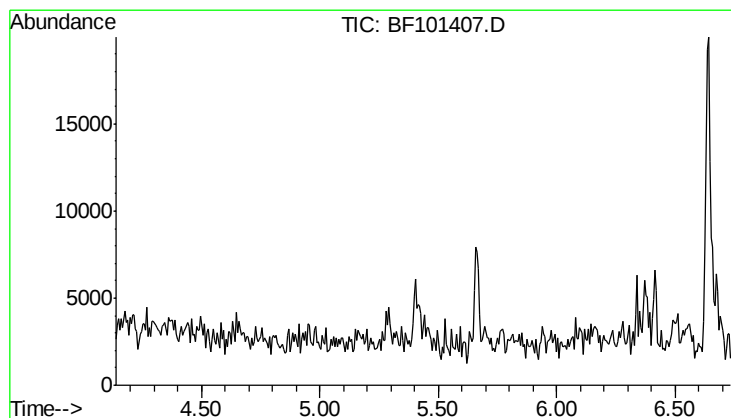
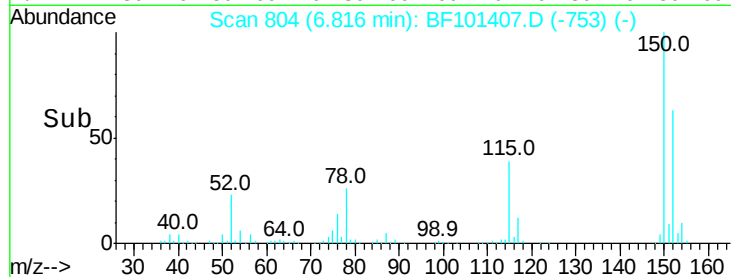
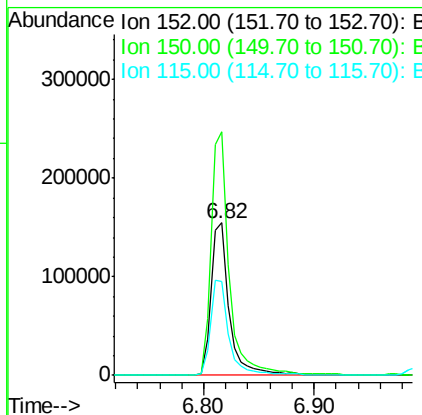
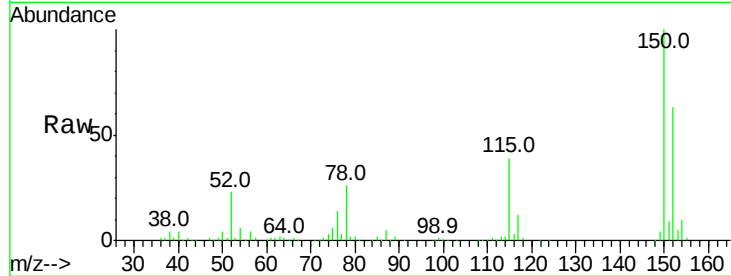
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF101407.D
Acq: 14 Dec 2017 21:37

Instrument :
BNA_F
ClientSampleId :
WC-01-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	124.6	186.8
115	61.8	50.1	75.1

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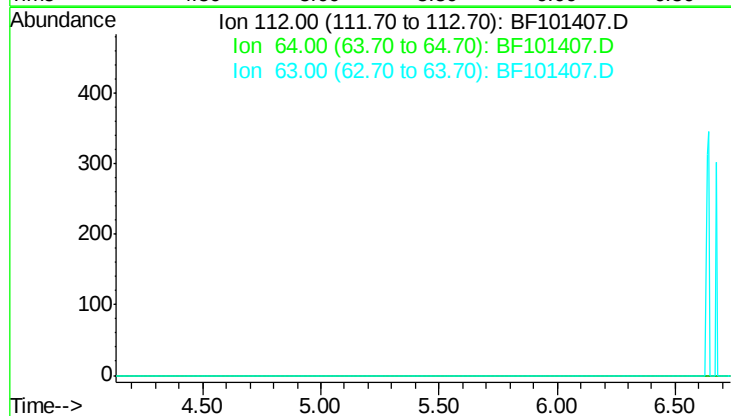


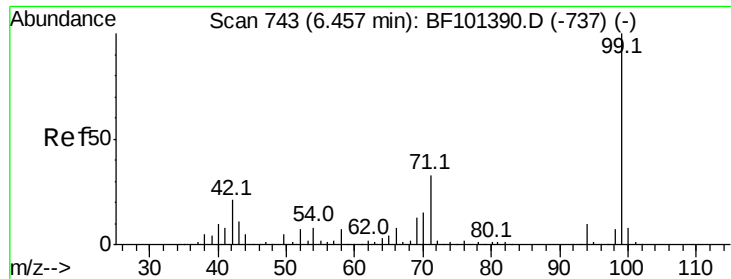
#5

2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.43 min

Lab File: BF101407.D
Acq: 14 Dec 2017 21:37

Tgt Ion	Sig	Exp Ratio
112	100	
64	59.9	
63	29.6	





#7

Phenol-d6

Concen: 0.076 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.09 min

Lab File: BF101407.D

Acq: 14 Dec 2017 21:37

Instrument :

BNA_F

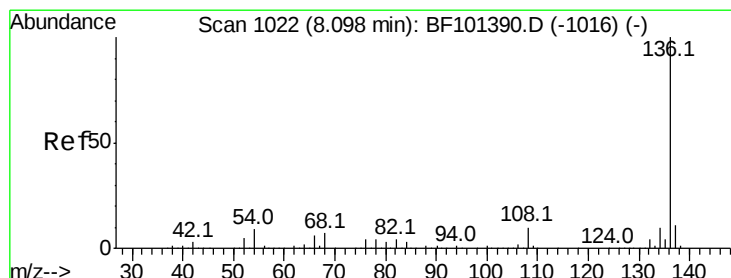
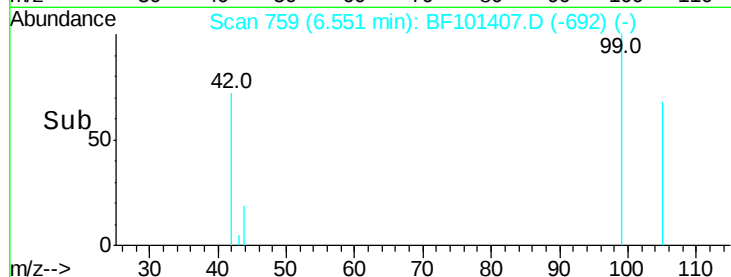
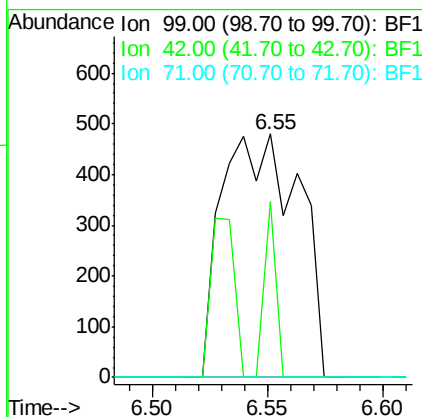
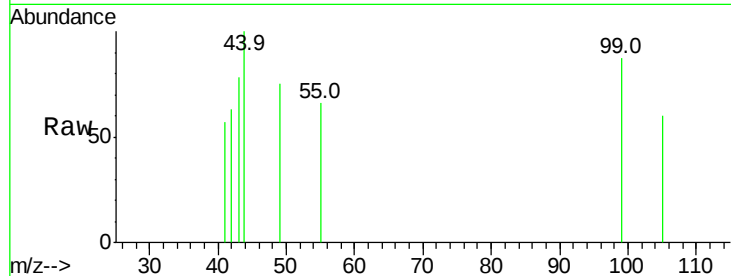
ClientSampleId :

WC-01-01

Tot Ion	Ratio	Lower	Upper
99	100		
42	72.3	14.5	21.7#
71	0.0	25.4	38.0#

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#21

Naphthalene-d8

Concen: 20.000 ng

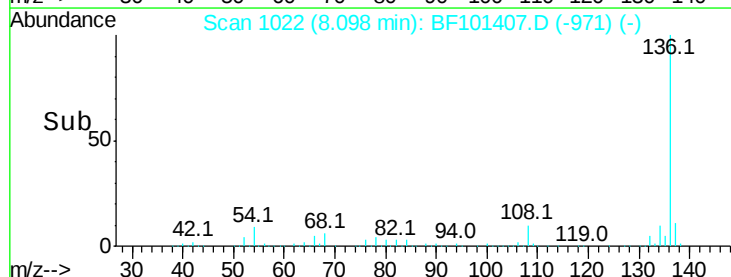
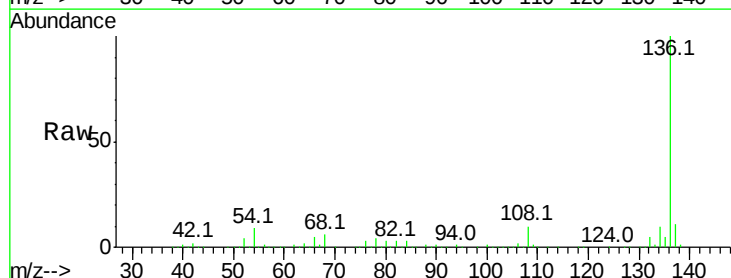
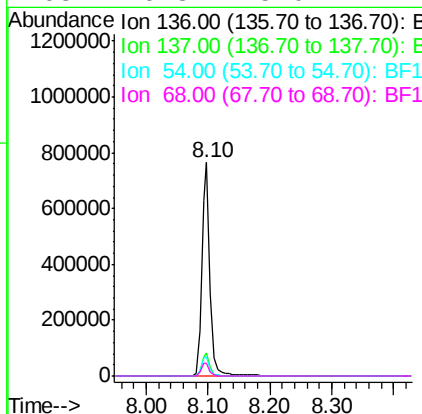
RT: 8.10 min Scan# 1022

Delta R.T. -0.00 min

Lab File: BF101407.D

Acq: 14 Dec 2017 21:37

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.9	6.6	9.8
68	6.3	5.0	7.4





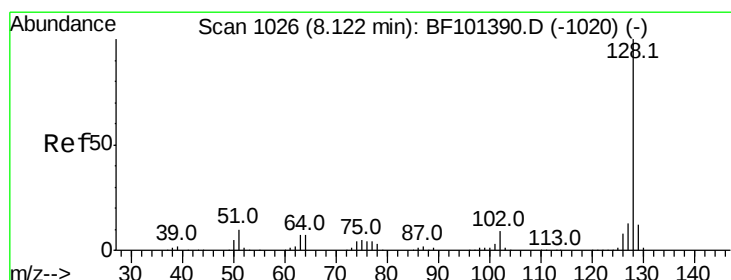
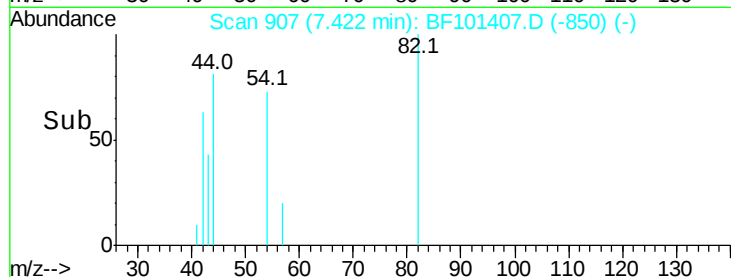
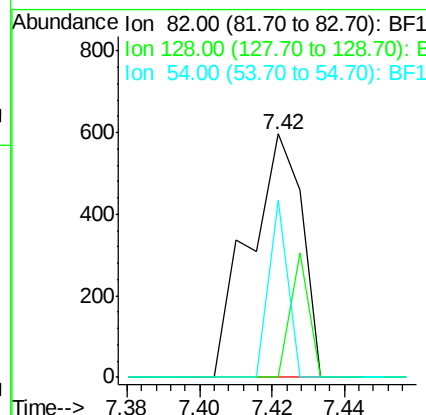
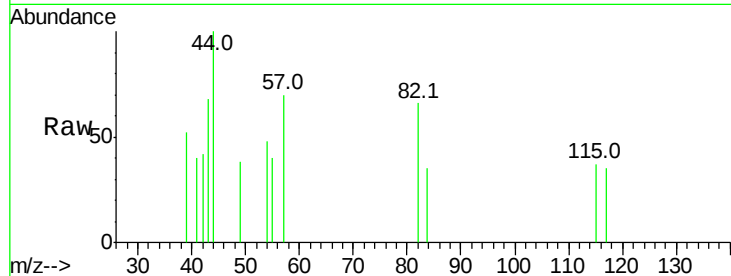
#23
Nitrobenzene-d5
Concen: 0.046 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.04 min
Lab File: BF101407.D
Acq: 14 Dec 2017 21:37

Instrument :
BNA_F
ClientSampleId :
WC-01-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	0.0	36.1	54.1#
54	72.5	41.4	62.2#

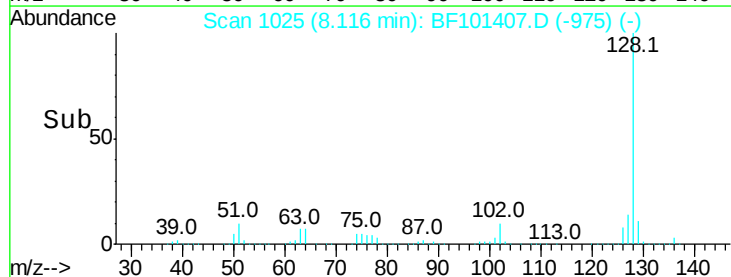
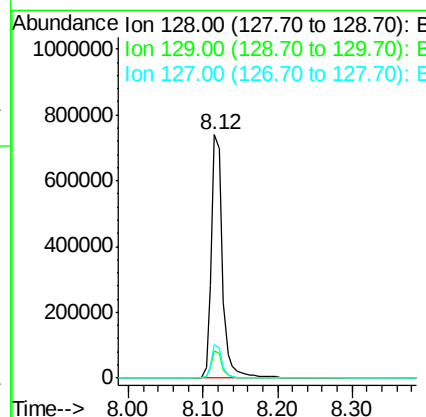
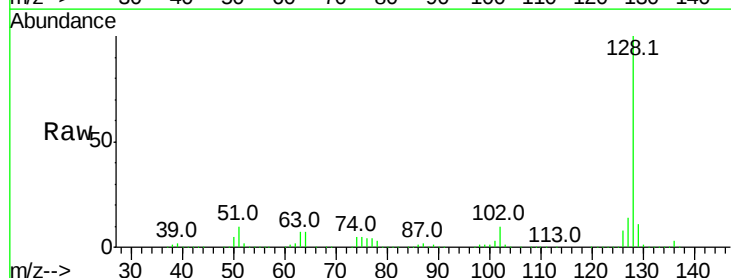
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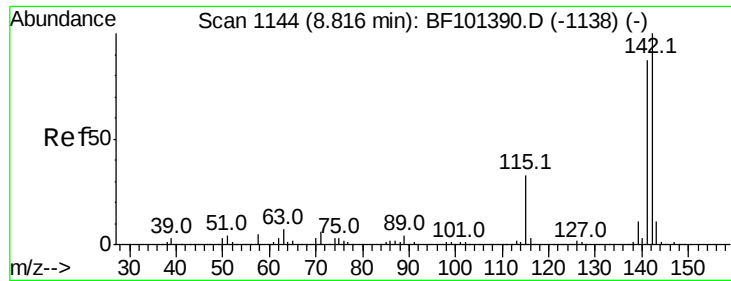
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#31
Naphthalene
Concen: 21.533 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF101407.D
Acq: 14 Dec 2017 21:37

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.8	13.2
127	13.6	10.9	16.3





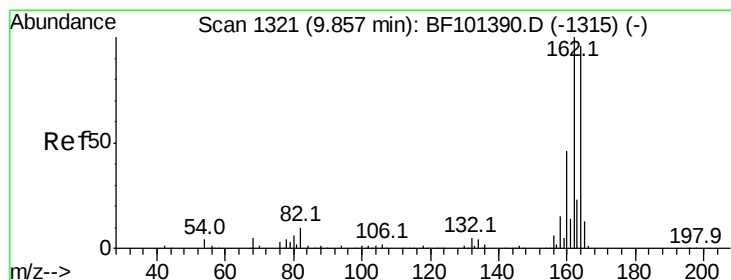
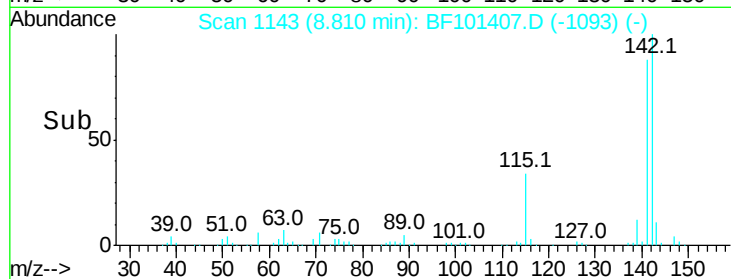
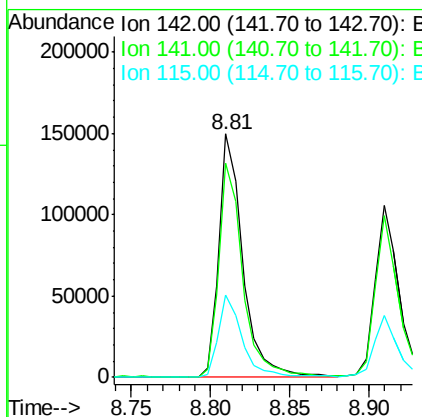
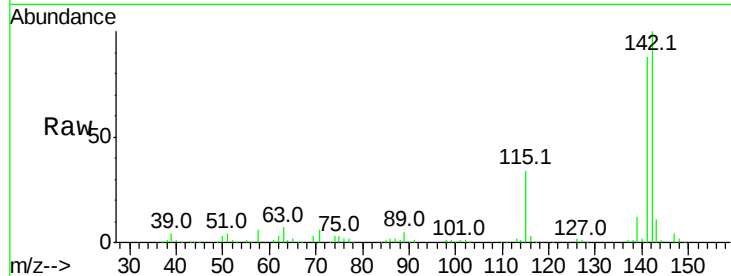
#37
 2-Methylnaphthalene
 Concen: 6.696 ng
 RT: 8.81 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: BF101407.D
 Acq: 14 Dec 2017 21:37

Instrument :
 BNA_F
 ClientSampleId :
 WC-01-01

Tot Ion	Ratio	Resp	Lower	Upper
142	100	157834		
141	88.0		70.8	106.2
115	33.9		26.1	39.1

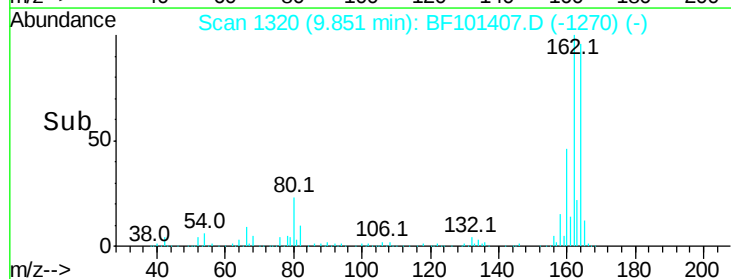
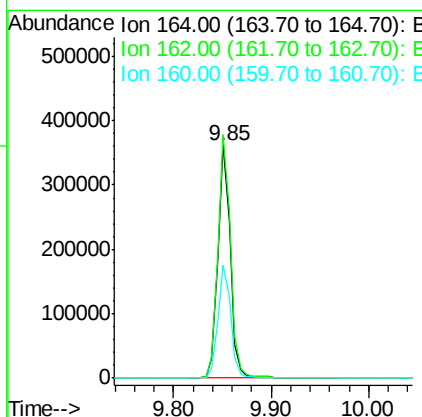
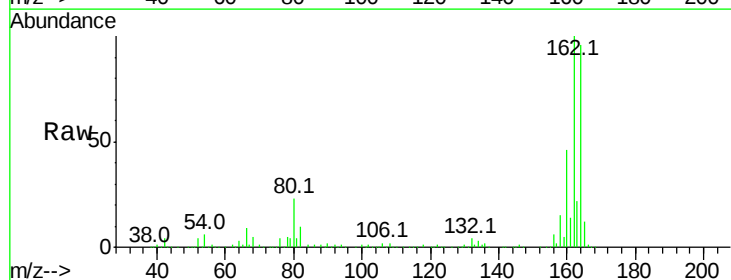
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF101407.D
 Acq: 14 Dec 2017 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	322377		
162	104.5		86.1	129.1
160	48.4		38.3	57.5





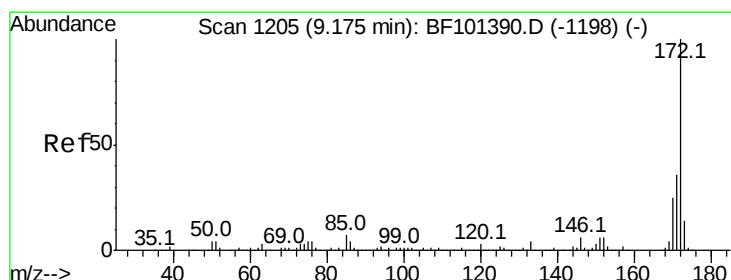
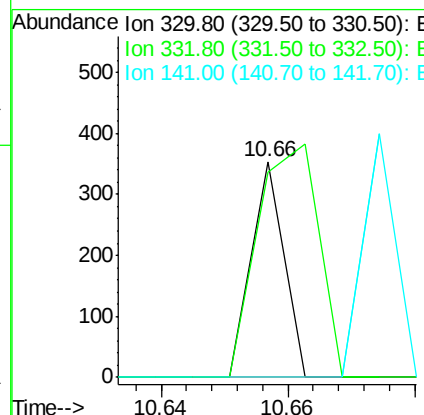
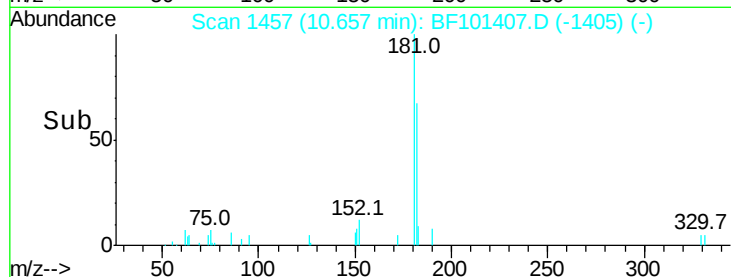
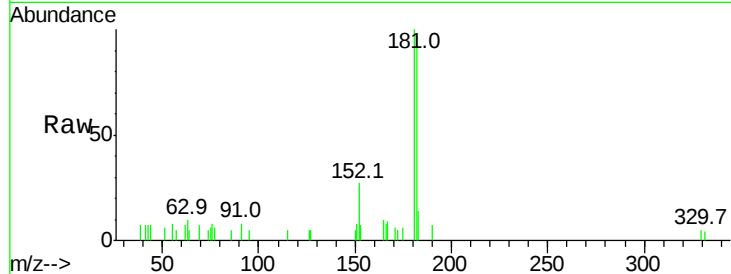
#41
 2,4,6-Tribromophenol
 Concen: 0.040 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. 0.01 min
 Lab File: BF101407.D
 Acq: 14 Dec 2017 21:37

Instrument :
 BNA_F
 ClientSampled :
 WC-01-01

Tot Ion	Ratio	Lower	Upper
330	100		
332	203.2	77.0	115.6#
141	112.8	29.9	44.9#

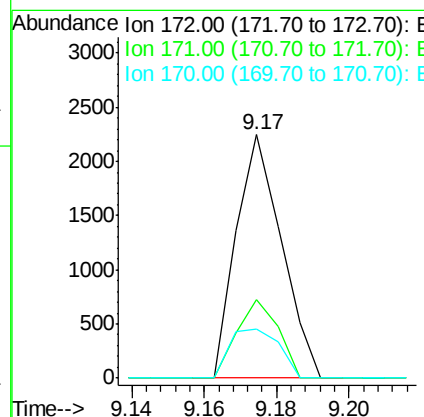
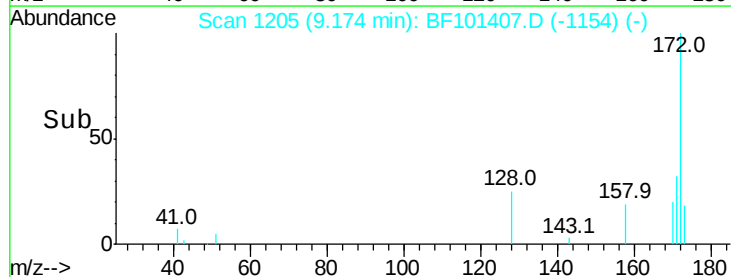
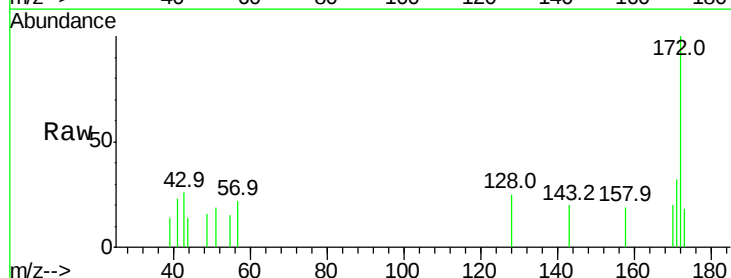
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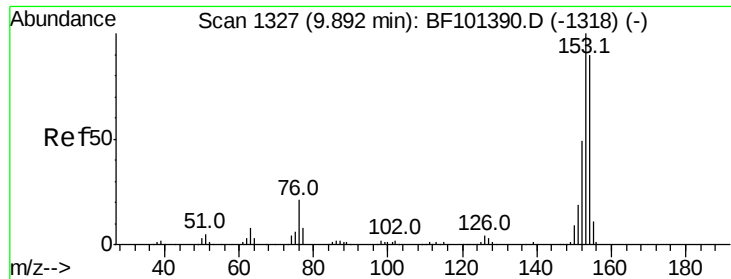
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#44
 2-Fluorobiphenyl
 Concen: 0.094 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF101407.D
 Acq: 14 Dec 2017 21:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.1	29.7	44.5
170	20.0	19.6	29.4





#51

Acenaphthene

Concen: 2.941 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF101407.D

Acq: 14 Dec 2017 21:37

Instrument :

BNA_F

ClientSampleId :

WC-01-01

Tot Ion:154 Resp: 61062

Ion Ratio Lower Upper

154 100

153 109.4 91.2 136.8

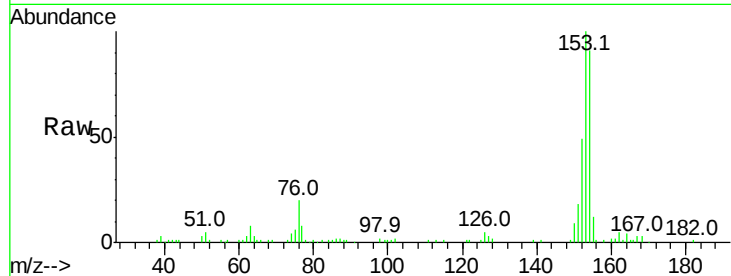
152 53.8 43.8 65.8

Manual Integrations

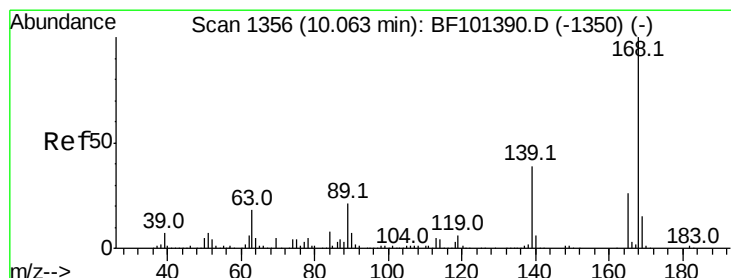
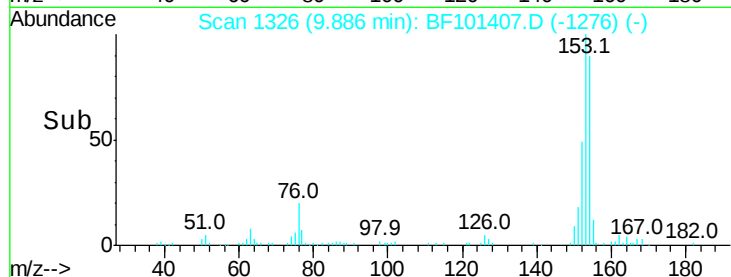
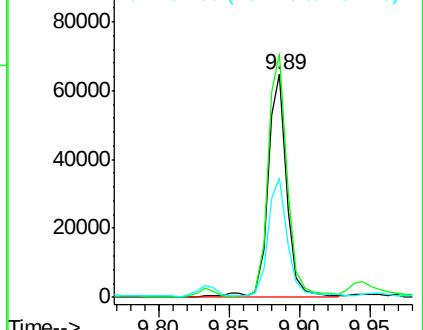
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 3.132 ng

RT: 10.06 min Scan# 1356

Delta R.T. -0.00 min

Lab File: BF101407.D

Acq: 14 Dec 2017 21:37

Tgt Ion:168 Resp: 82618

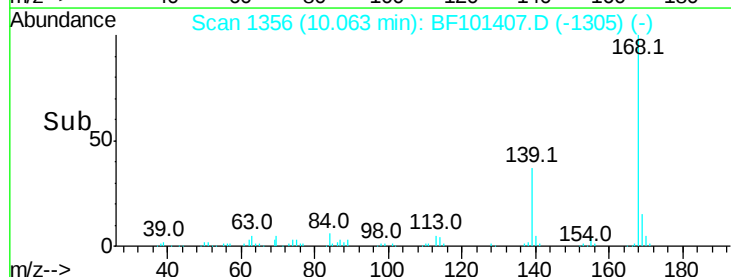
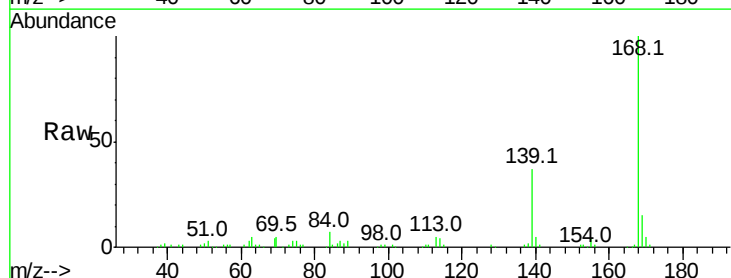
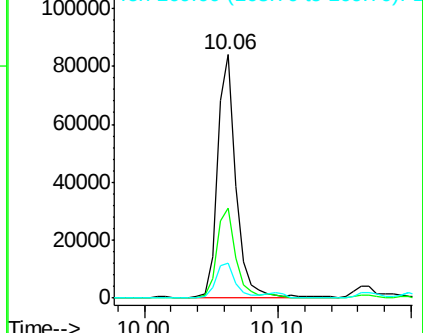
Ion Ratio Lower Upper

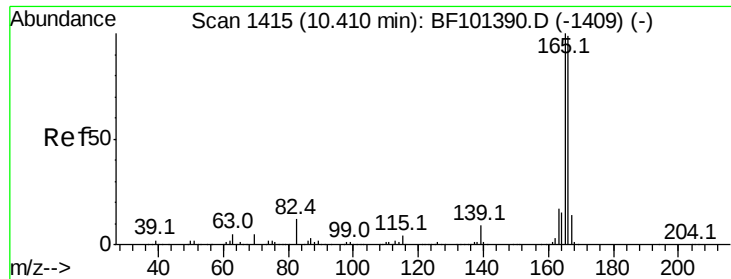
168 100

139 36.8 30.1 45.1

169 14.6 10.9 16.3

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





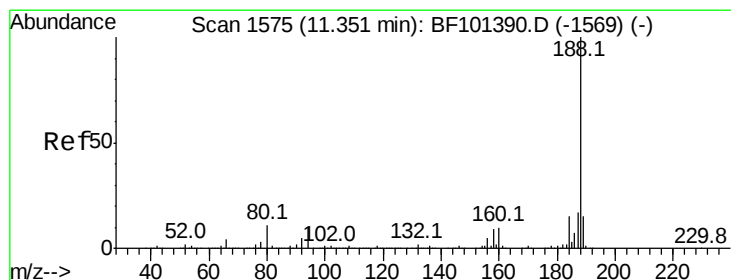
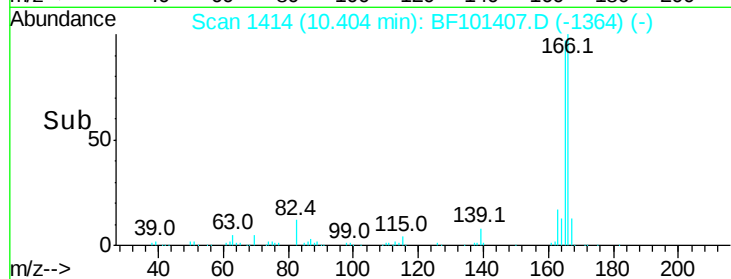
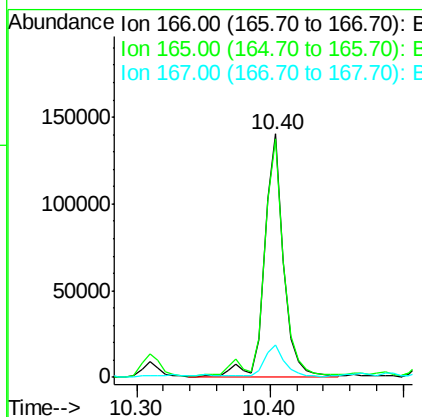
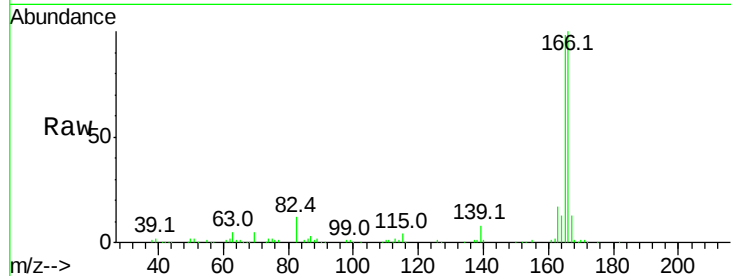
#57
Fluorene
 Concen: 6.128 ng
 RT: 10.40 min Scan# 1414
 Delta R.T. -0.01 min
 Lab File: BF101407.D
 Acq: 14 Dec 2017 21:37

Instrument :
 BNA_F
 ClientSampleId :
 WC-01-01

Tot Ion	Ratio	Resp	Lower	Upper
166	100	136756		
165	97.7	79.8	119.8	
167	13.2	10.6	16.0	

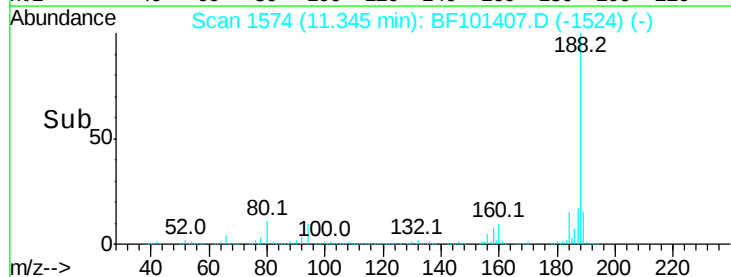
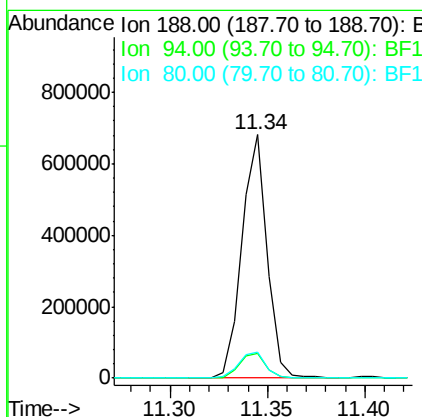
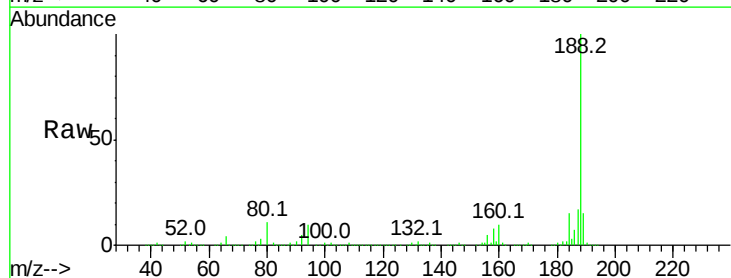
Manual Integrations
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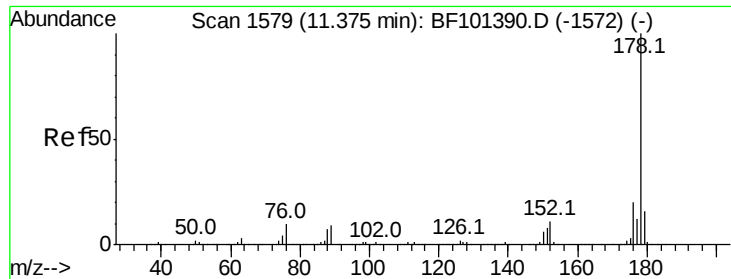
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: BF101407.D
 Acq: 14 Dec 2017 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	605685		
94	10.0	8.5	12.7	
80	10.9	9.2	13.8	





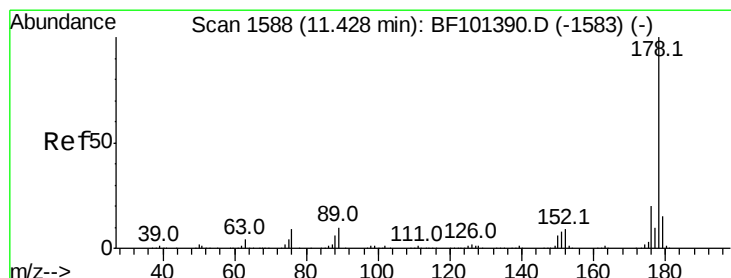
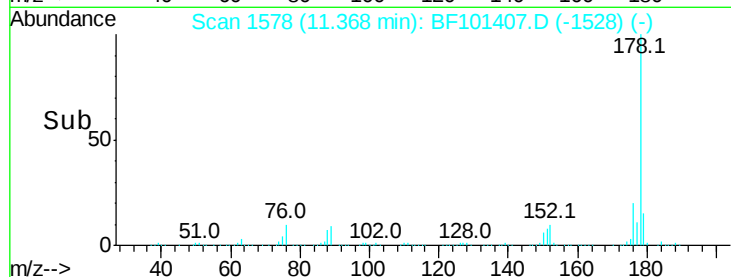
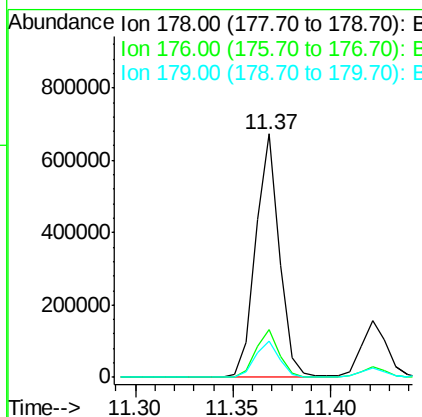
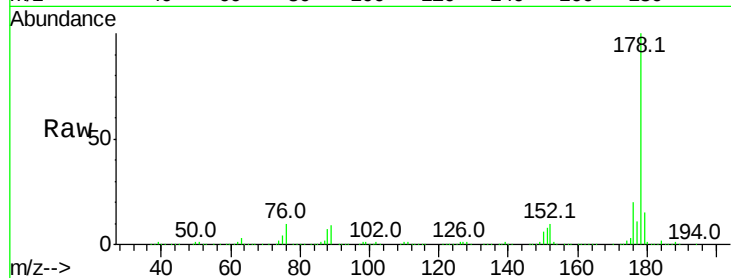
#70
Phenanthrene
Concen: 16.771 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF101407.D
Acq: 14 Dec 2017 21:37

Instrument :
BNA_F
ClientSampleId :
WC-01-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.1	13.0	19.6

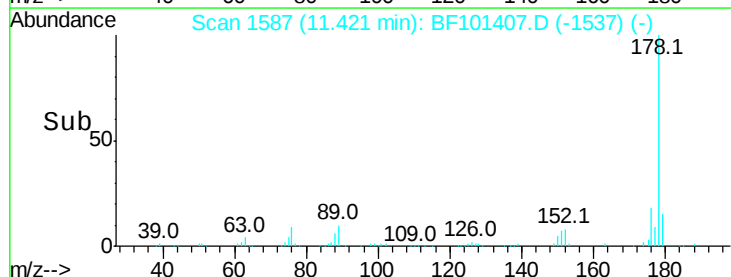
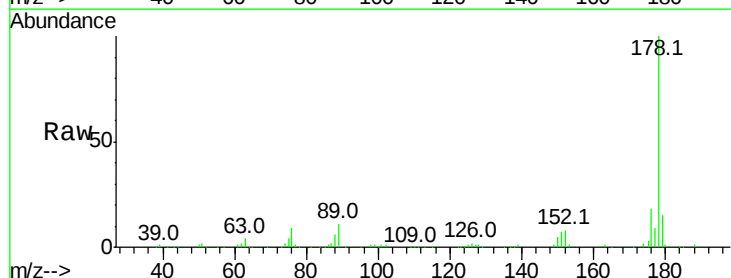
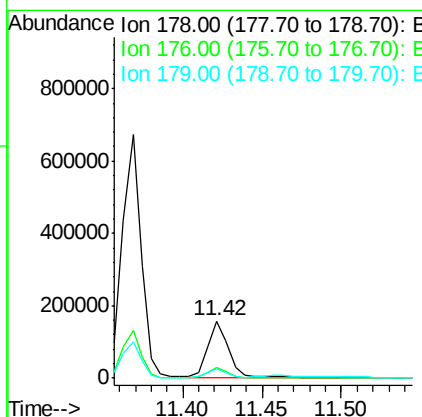
Manual Integrations
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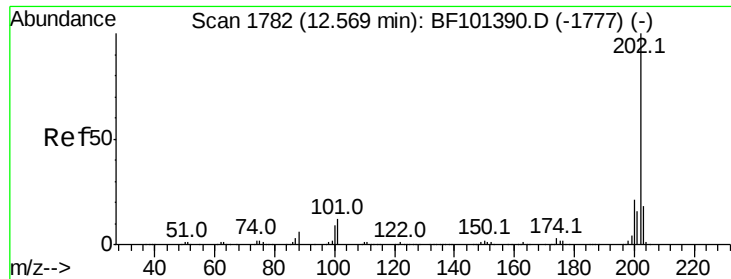
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#71
Anthracene
Concen: 4.214 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF101407.D
Acq: 14 Dec 2017 21:37

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	15.3	12.6	19.0





#74

Fluoranthene

Concen: 10.204 ng

RT: 12.56 min Scan# 1781

Delta R.T. -0.01 min

Lab File: BF101407.D

Acq: 14 Dec 2017 21:37

Instrument :

BNA_F

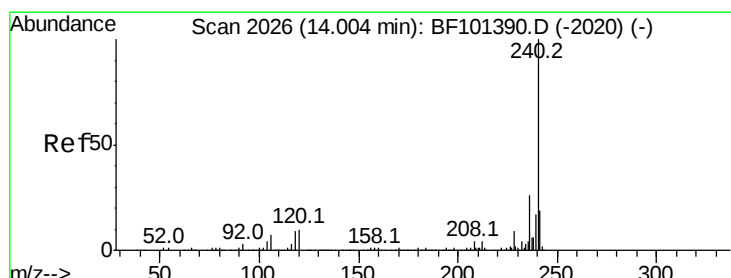
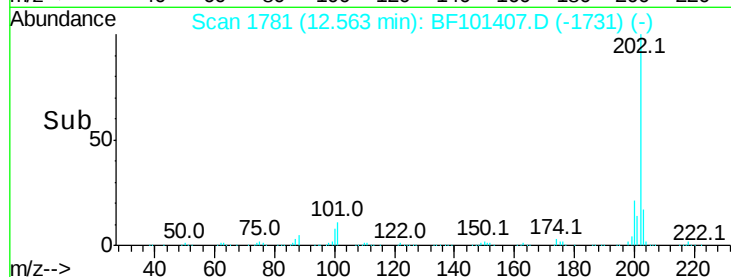
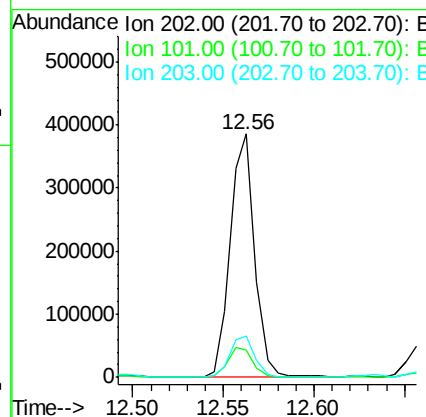
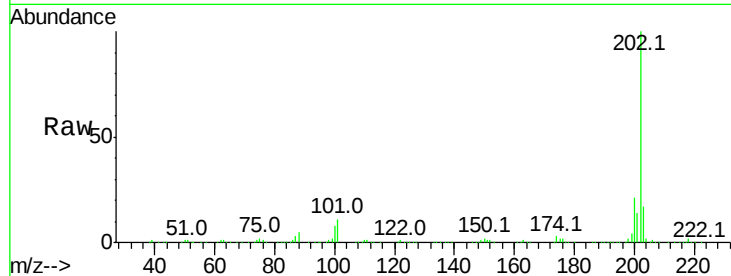
ClientSampleId :

WC-01-01

Tot Ion:	202	Resp:	360771
Ion Ratio	Lower	Upper	
202	100		
101	11.2	0.0	34.1
203	17.2	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

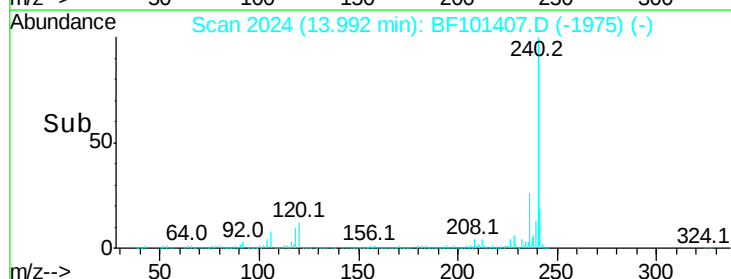
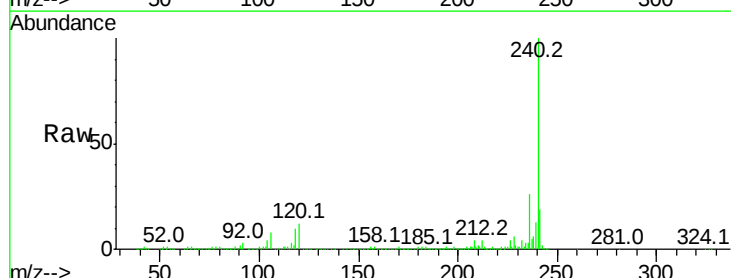
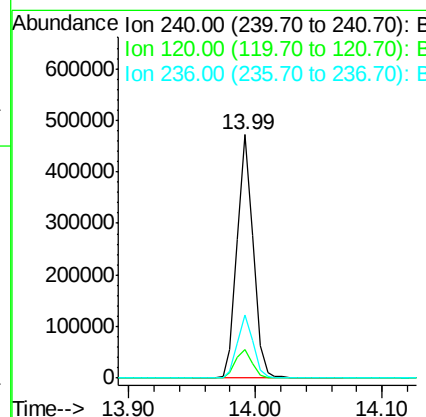
RT: 13.99 min Scan# 2024

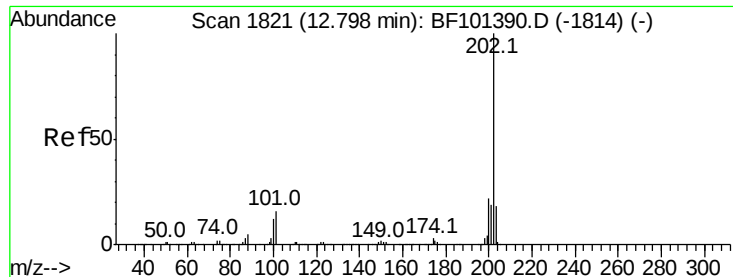
Delta R.T. -0.01 min

Lab File: BF101407.D

Acq: 14 Dec 2017 21:37

Tgt Ion:	240	Resp:	411292
Ion Ratio	Lower	Upper	
240	100		
120	11.9	9.5	14.3
236	25.7	20.7	31.1





#77

Pvrene

Concen: 11.170 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF101407.D

Acq: 14 Dec 2017 21:37

Instrument :

BNA_F

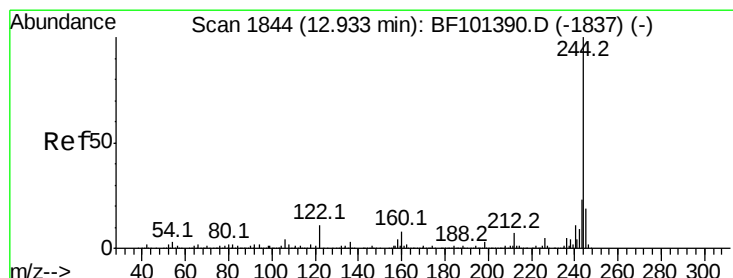
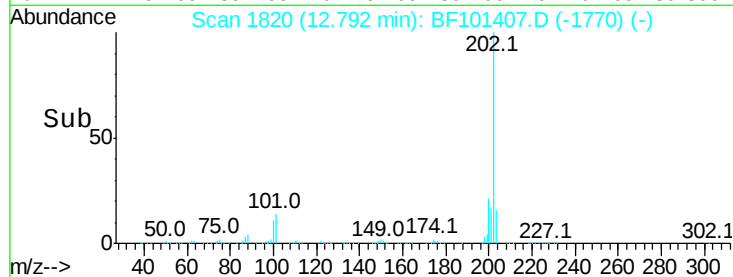
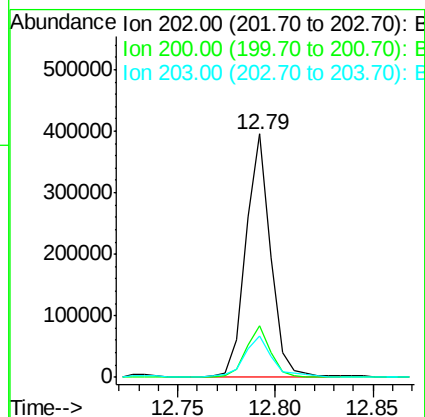
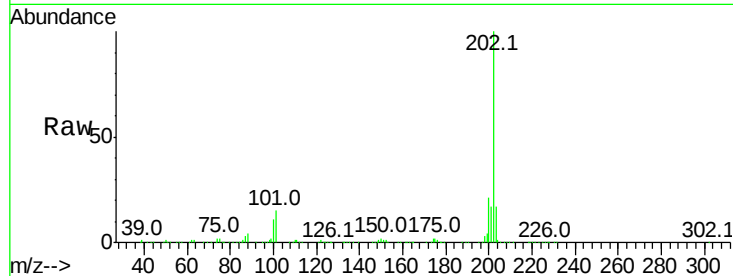
ClientSampleId :

WC-01-01

Tot Ion:	202	Resp:	344791
Ion Ratio		Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.2	14.3	21.5

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#78

Terphenyl-d14

Concen: 0.159 ng

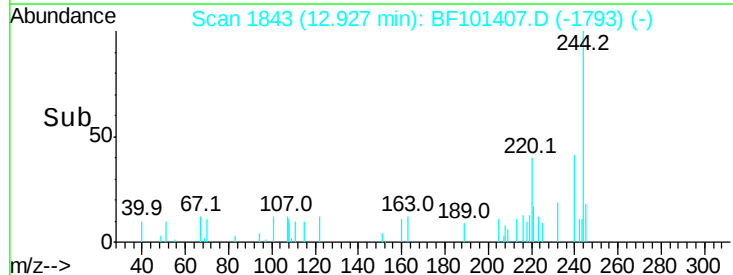
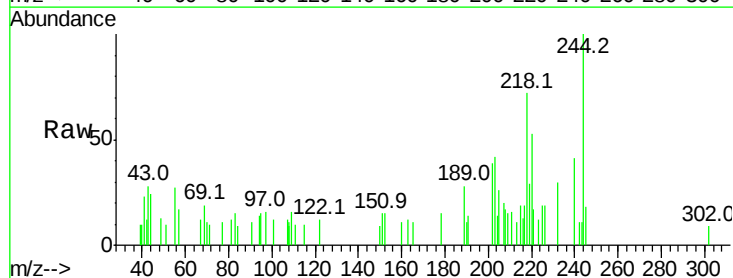
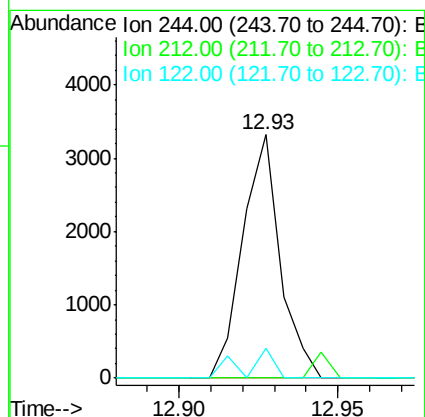
RT: 12.93 min Scan# 1843

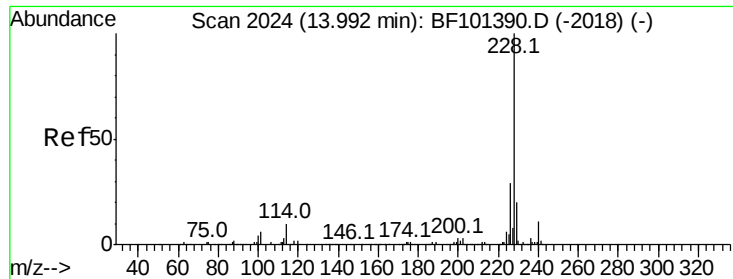
Delta R.T. -0.01 min

Lab File: BF101407.D

Acq: 14 Dec 2017 21:37

Tgt Ion:	244	Resp:	2716
Ion Ratio		Lower	Upper
244	100		
212	0.0	5.4	8.0#
122	12.2	11.0	16.4





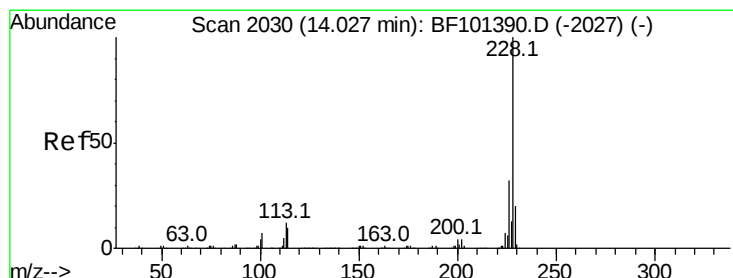
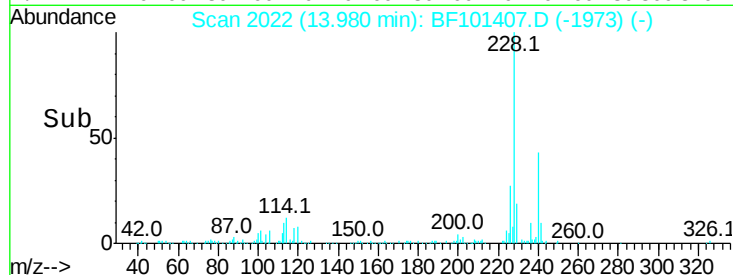
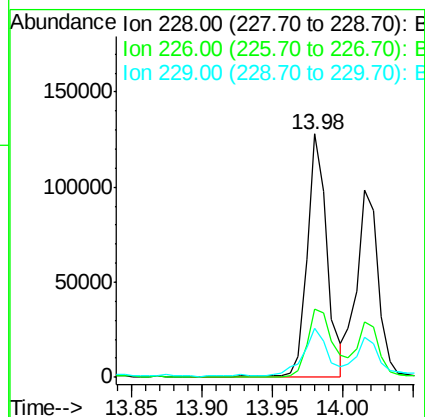
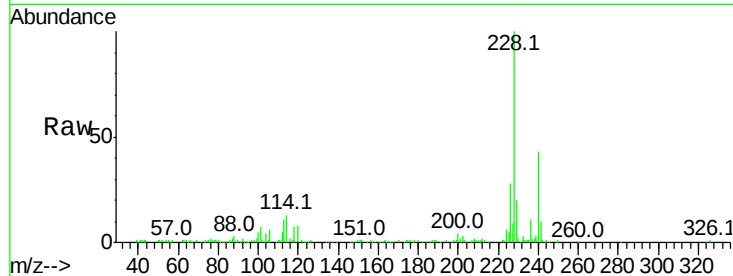
#80
Benzo(a)anthracene
Concen: 4.617 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF101407.D
Acq: 14 Dec 2017 21:37

Instrument :
BNA_F
ClientSampleId :
WC-01-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	20.1	15.8	23.6

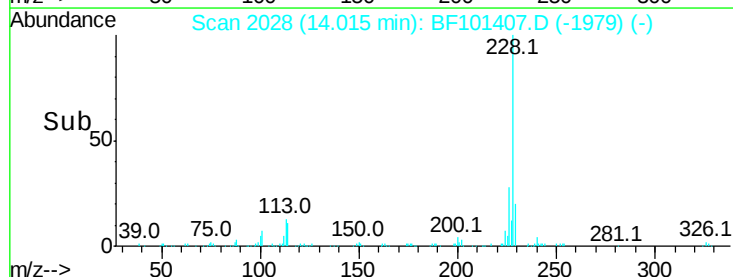
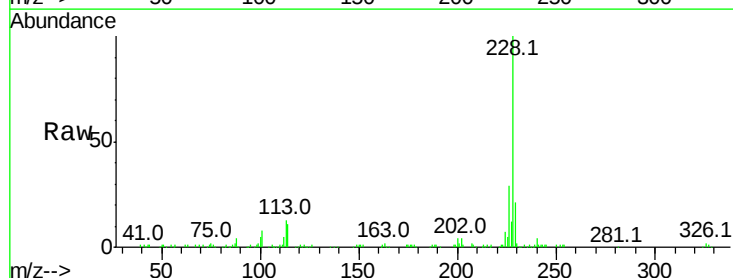
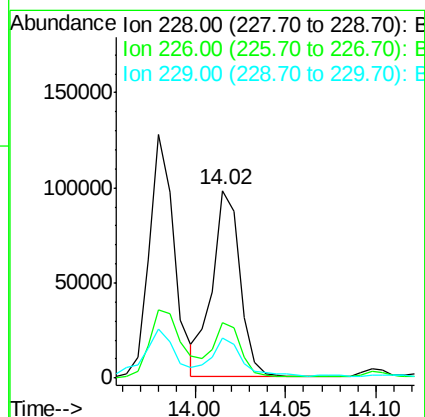
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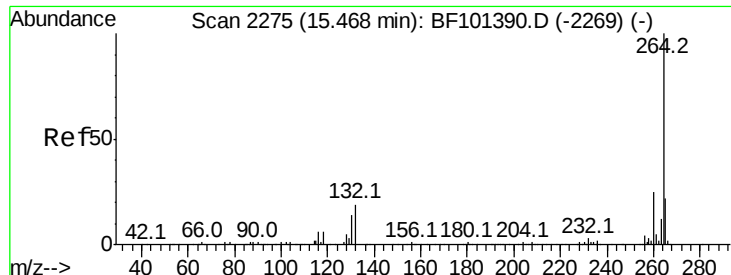
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#82
Chrysene
Concen: 4.111 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF101407.D
Acq: 14 Dec 2017 21:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.0	37.6
229	21.4	16.2	24.4





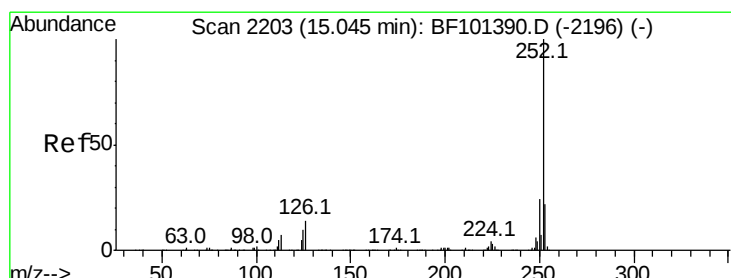
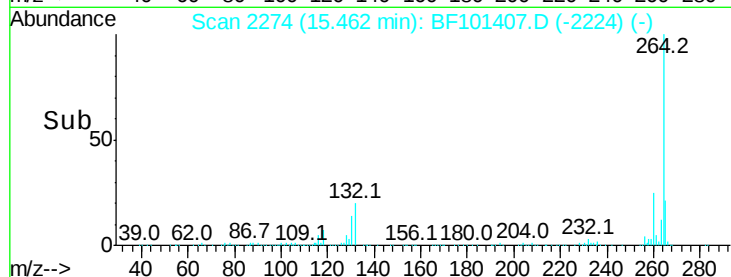
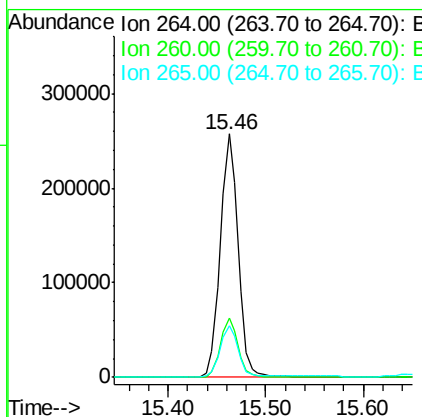
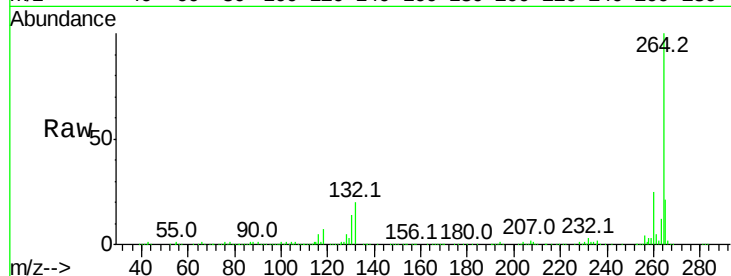
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF101407.D
Acq: 14 Dec 2017 21:37

Instrument :
BNA_F
ClientSampleId :
WC-01-01

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	21.2	17.5	26.3

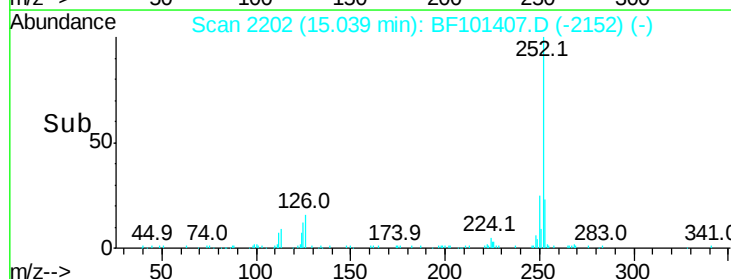
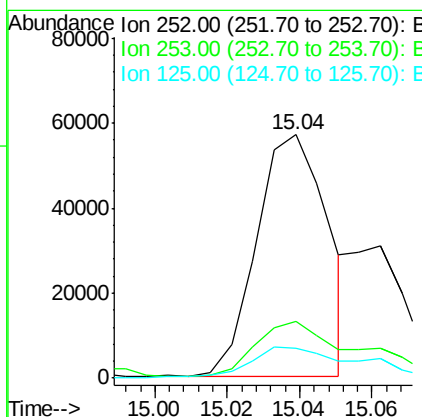
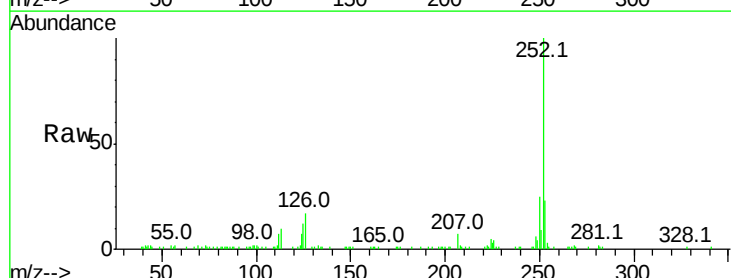
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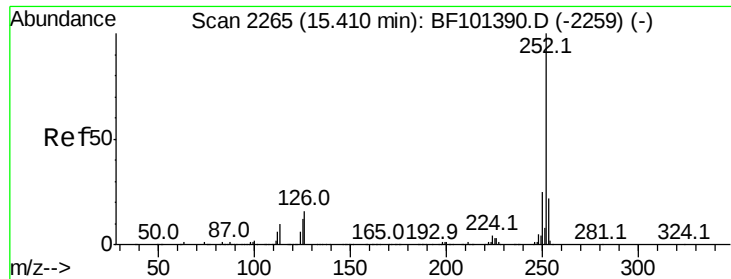
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#87
Benzo(b)fluoranthene
Concen: 3.893 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF101407.D
Acq: 14 Dec 2017 21:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	12.5	9.0	13.6





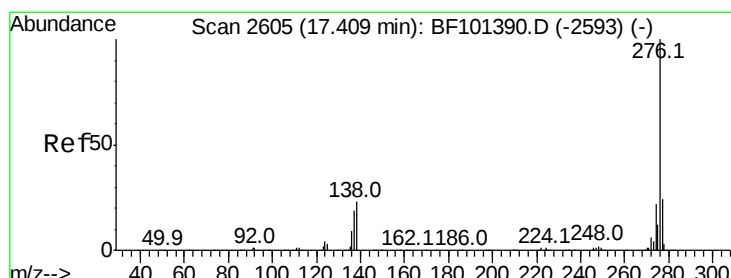
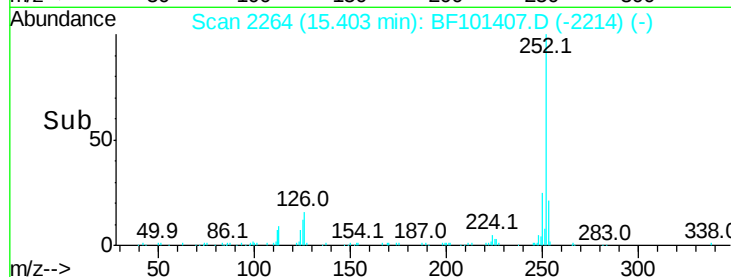
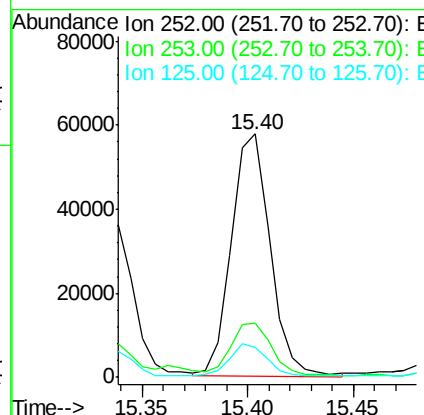
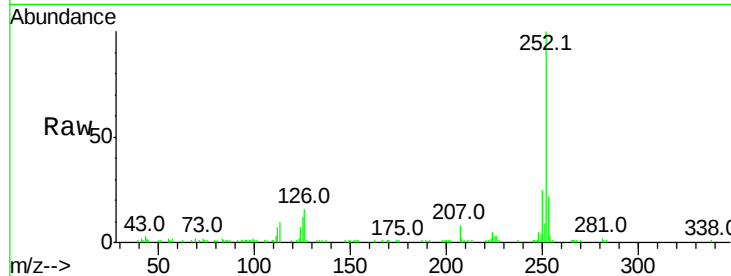
#89
Benzo(a)pyrene
Concen: 3.987 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BF101407.D
Acq: 14 Dec 2017 21:37

Instrument :
BNA_F
ClientSampleId :
WC-01-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	12.3	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.494 ng
RT: 17.39 min Scan# 2602
Delta R.T. -0.02 min
Lab File: BF101407.D
Acq: 14 Dec 2017 21:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.0	17.9	26.9
138	24.9	21.8	32.8

