

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
 Data File : BF101450.D
 Acq On : 15 Dec 2017 18:33
 Operator : SJ/JU
 Sample : I6678-01 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-01-121317

Manual Integrations
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Quant Time: Dec 18 09:32:01 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 15 17:36:17 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	147508	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	493274	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	181027	20.00	ng	0.01
63) Phenanthrene-d10	11.36	188	289133	20.00	ng	0.02
75) Chrysene-d12	14.01	240	258180	20.00	ng	0.01
86) Perylene-d12	15.47	264	278067	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	584480	59.02	ng	0.00
7) Phenol-d6	6.45	99	702025	56.96	ng	0.00
23) Nitrobenzene-d5	7.38	82	388833	43.88	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	90339	51.79	ng	0.02
44) 2-Fluorobiphenyl	9.18	172	532361	45.62	ng	0.00
78) Terphenyl-d14	12.94	244	461501	43.09	ng	0.00
Target Compounds						
10) Phenol	6.46	94	35509	2.528	ng	Qvalue # 71
31) Naphthalene	8.13	128	920466	37.066	ng	98
37) 2-Methylnaphthalene	8.83	142	1330143	82.213	ng	97
45) 1,1'-Biphenyl	9.29	154	106173	6.613	ng	98
51) Acenaphthene	9.91	154	458874	39.365	ng	# 85
54) Dibenzofuran	10.08	168	402528	27.172	ng	# 65
57) Fluorene	10.43	166	707814	56.481	ng	# 94
70) Phenanthrene	11.40	178	2911069	181.047	ng	99
71) Anthracene	11.45	178	1263573	76.933	ng	97
72) Carbazole	11.60	167	277157	18.024	ng	# 89
74) Fluoranthene	12.59	202	2848647	168.786	ng	96
77) Pyrene	12.82	202	2493533	128.690	ng	96
80) Benzo(a)anthracene	14.00	228	1521524	89.249	ng	98
82) Chrysene	14.03	228	1274052m	79.151	ng	
83) Bis(2-ethylhexyl)phthalate	13.95	149	33227	2.992	ng	# 90
85) Indeno(1,2,3-cd)pyrene	16.97	276	554834	38.708	ng	# 92
87) Benzo(b)fluoranthene	15.05	252	1396838m	82.415	ng	
88) Benzo(k)fluoranthene	15.07	252	497949m	30.217	ng	
89) Benzo(a)pyrene	15.42	252	1049470	67.169	ng	96
90) Dibenzo(a,h)anthracene	16.96	278	147840m	11.021	ng	
91) Benzo(g,h,i)perylene	17.42	276	509671	38.369	ng	94

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

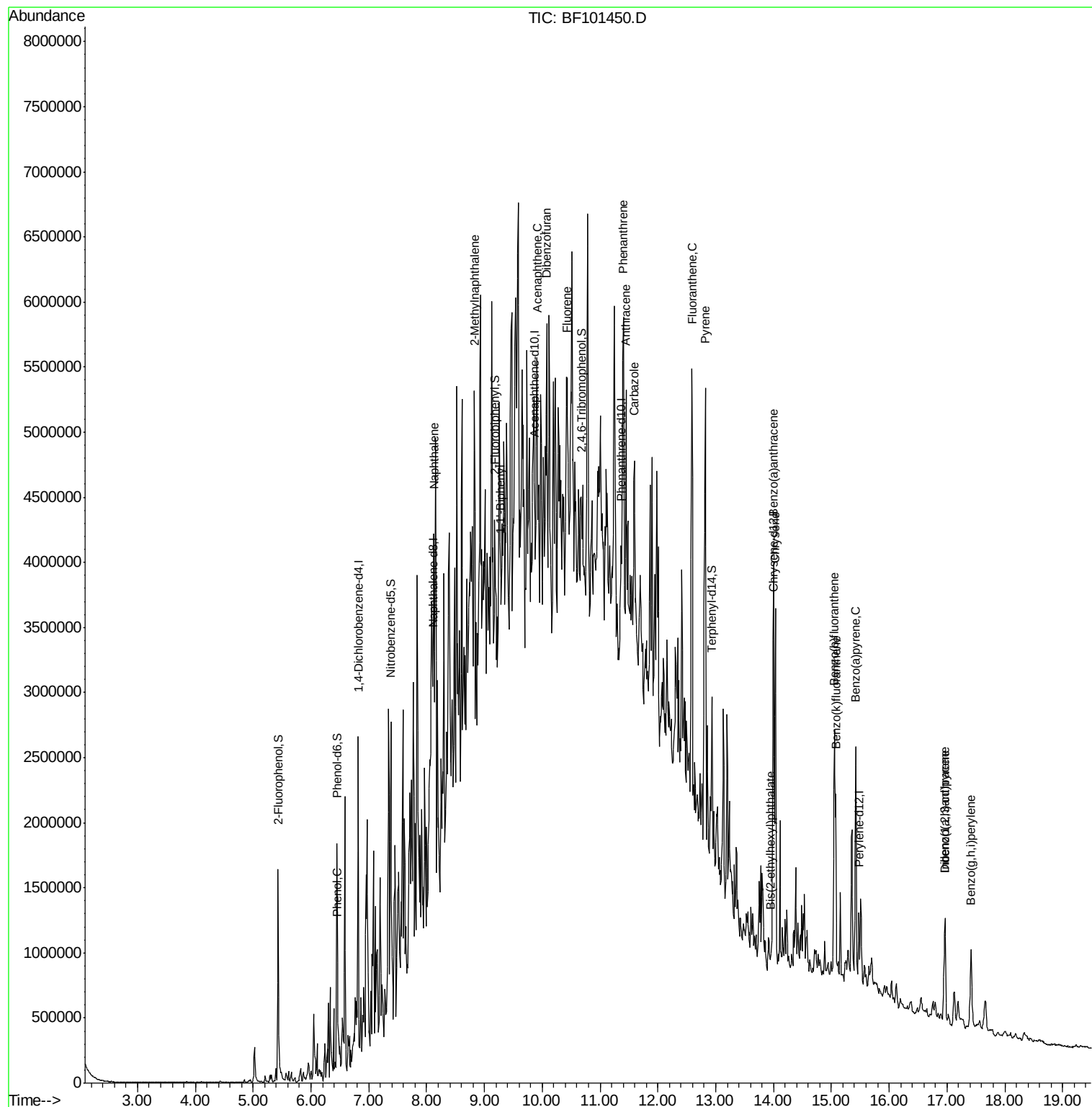
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
Data File : BF101450.D
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ALS Vial : 13 Sample Multiplier: 1

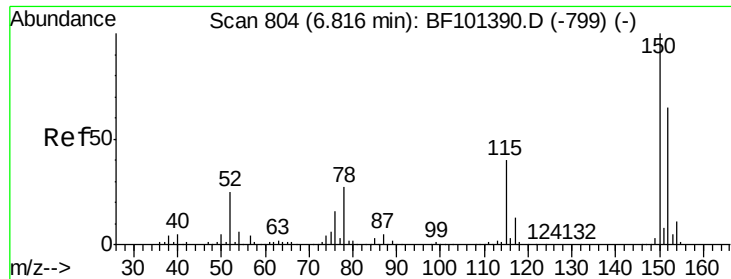
Instrument :
BNA_F
ClientSampleId :
JC-01-121317

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Quant Time: Dec 18 09:32:01 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 15 17:36:17 2017
Response via : Initial Calibration





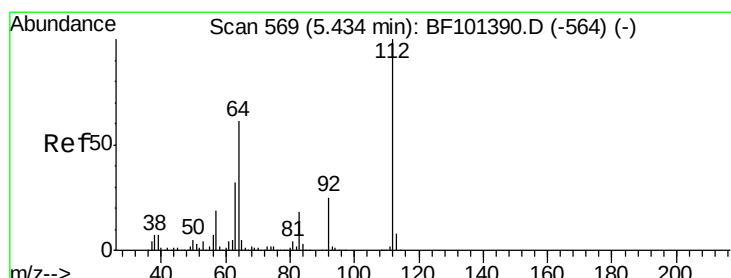
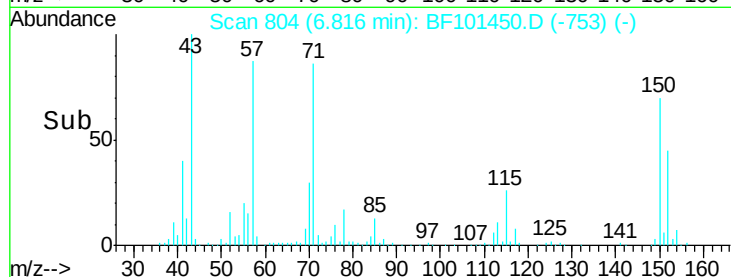
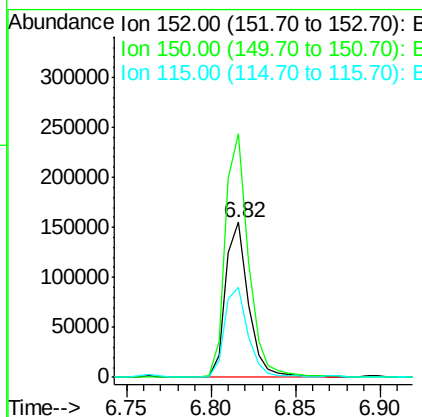
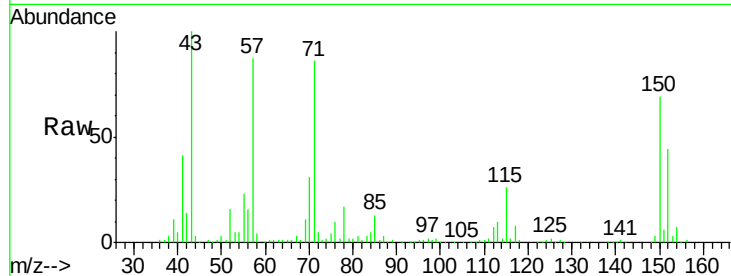
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: BF101450.D
 Acq: 15 Dec 2017 18:33

Instrument :
 BNA_F
 ClientSampleId :
 JC-01-121317

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.6	186.8
115	58.3	50.1	75.1

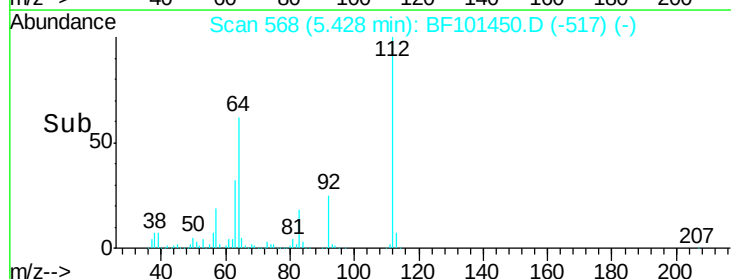
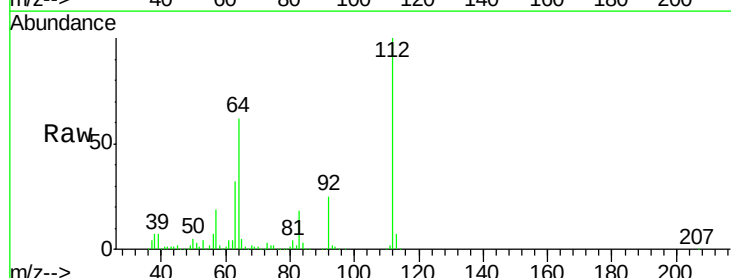
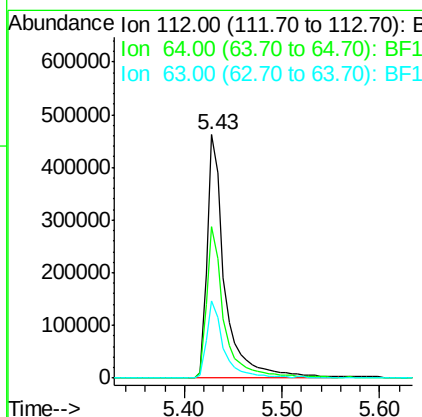
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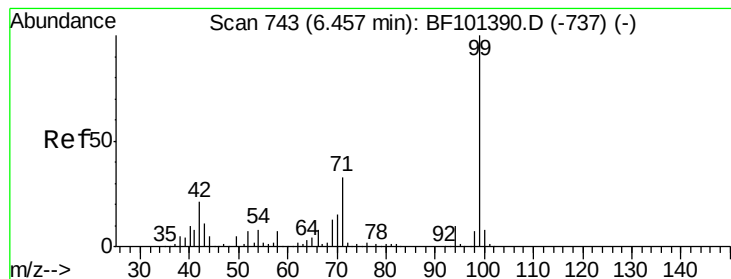
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#5
 2-Fluorophenol
 Concen: 59.022 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: BF101450.D
 Acq: 15 Dec 2017 18:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	47.9	71.9
63	32.0	23.7	35.5





#7

Phenol-d6

Concen: 56.963 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF101450.D

Acq: 15 Dec 2017 18:33

Instrument :

BNA_F

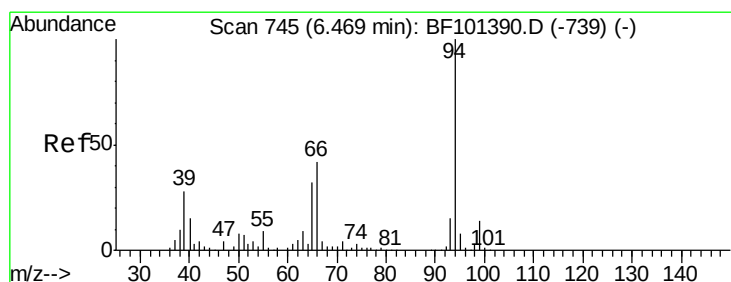
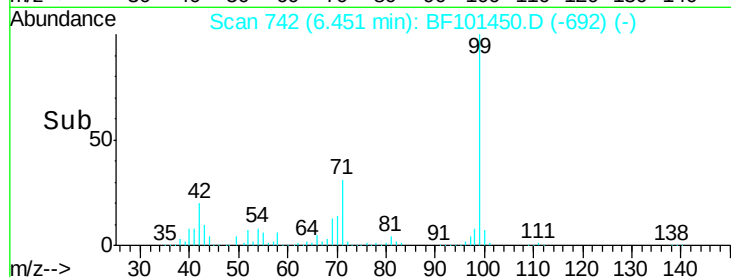
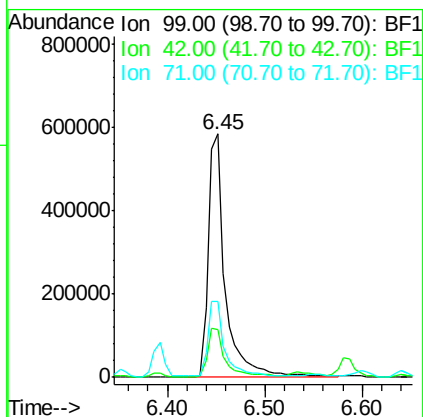
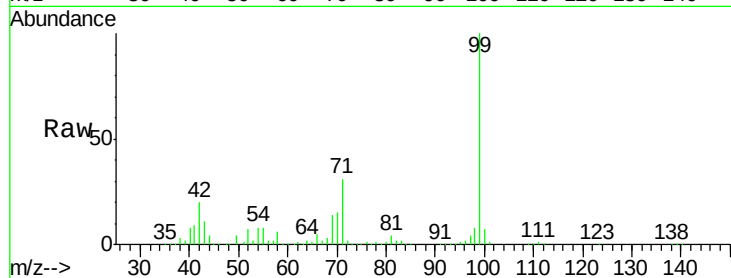
ClientSampleId :

JC-01-121317

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	702025		
42	19.9	14.5	21.7	
71	31.0	25.4	38.0	

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#10

Phenol

Concen: 2.528 ng

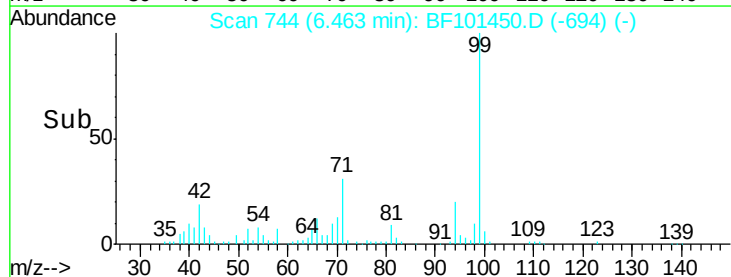
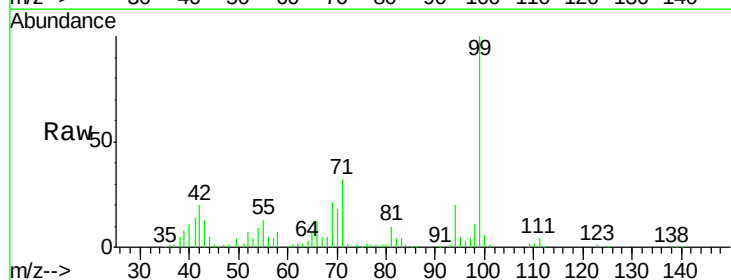
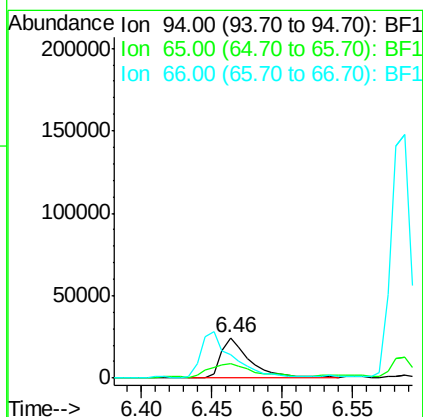
RT: 6.46 min Scan# 744

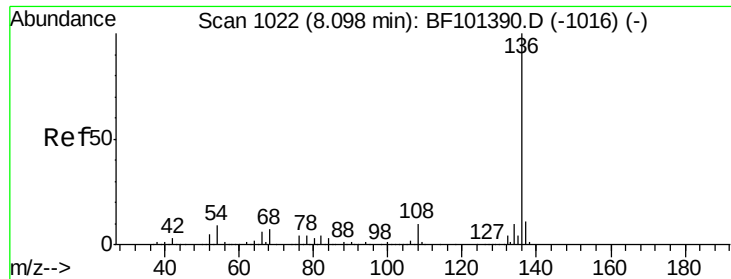
Delta R.T. -0.01 min

Lab File: BF101450.D

Acq: 15 Dec 2017 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
94	100	35509		
65	36.6	7.9	47.9	
66	58.8	16.2	56.2	





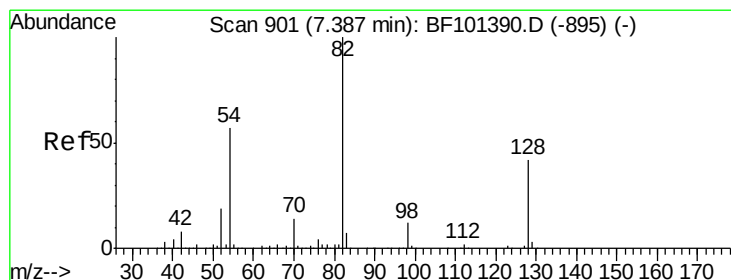
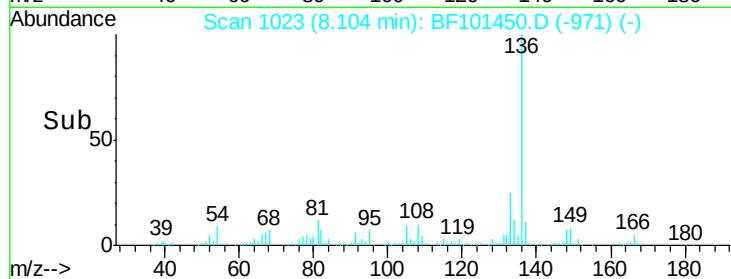
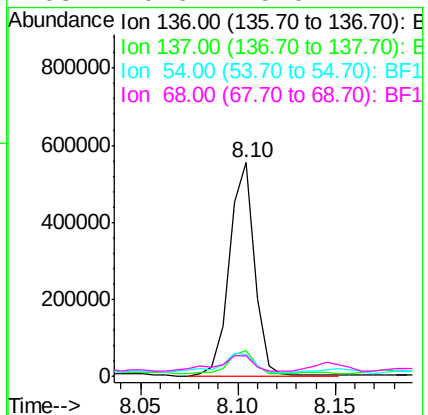
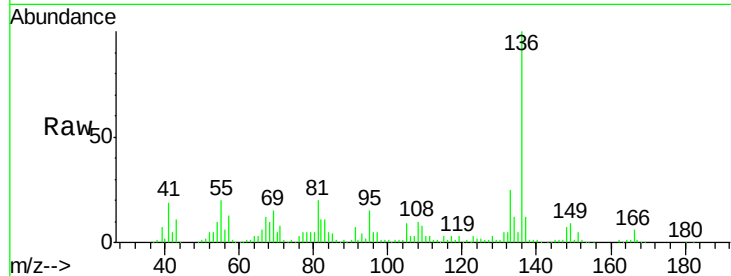
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.01 min
Lab File: BF101450.D
Acq: 15 Dec 2017 18:33

Instrument :
BNA_F
ClientSampleId :
JC-01-121317

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	493274		
137	12.1	8.9	13.3	
54	10.5	6.6	9.8#	
68	9.6	5.0	7.4#	

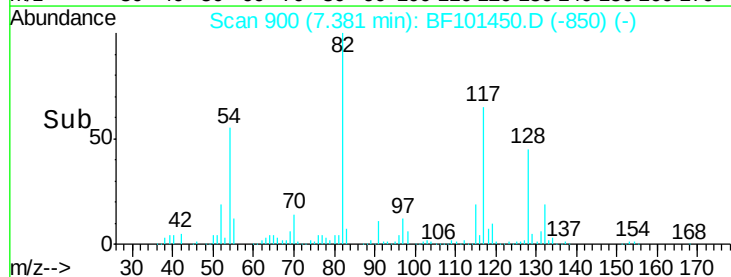
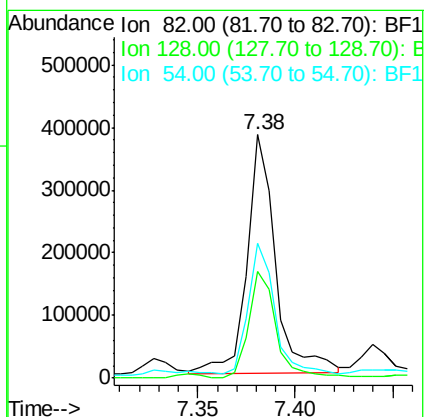
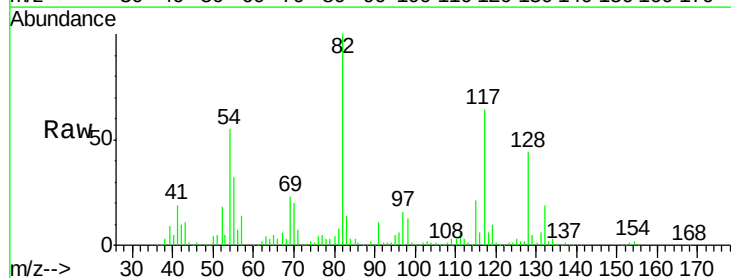
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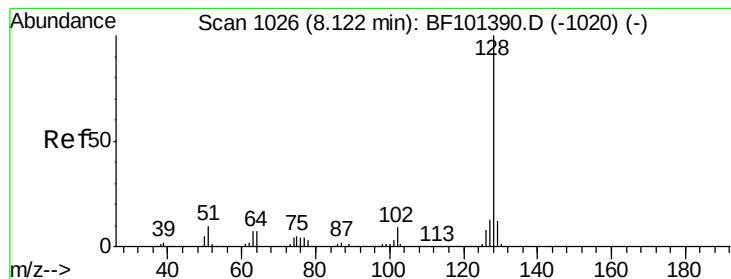
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#23
Nitrobenzene-d5
Concen: 43.880 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF101450.D
Acq: 15 Dec 2017 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	388833		
128	43.7	36.1	54.1	
54	55.2	41.4	62.2	





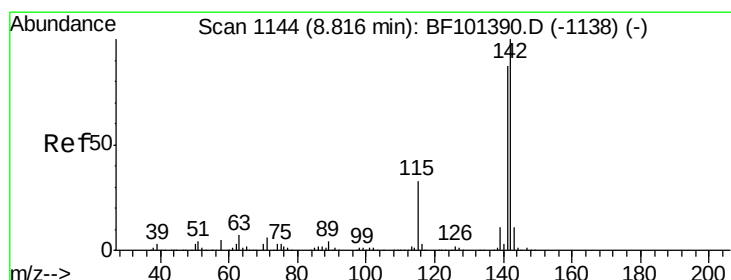
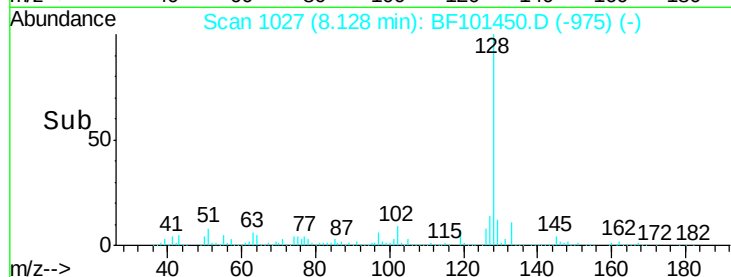
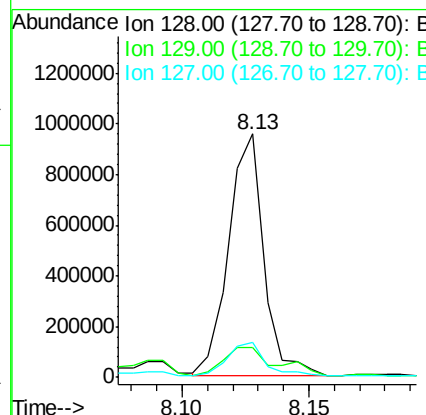
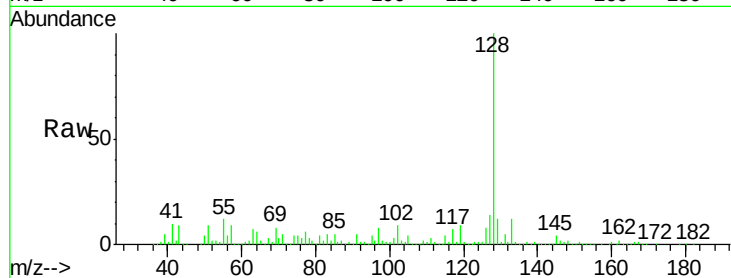
#31
Naphthalene
Concen: 37.066 ng
RT: 8.13 min Scan# 1027
Delta R.T. 0.01 min
Lab File: BF101450.D
Acq: 15 Dec 2017 18:33

Instrument :
BNA_F
ClientSampleId :
JC-01-121317

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	920466		
129	12.2		8.8	13.2
127	14.2		10.9	16.3

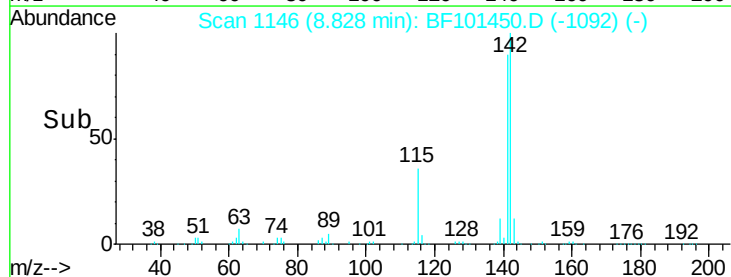
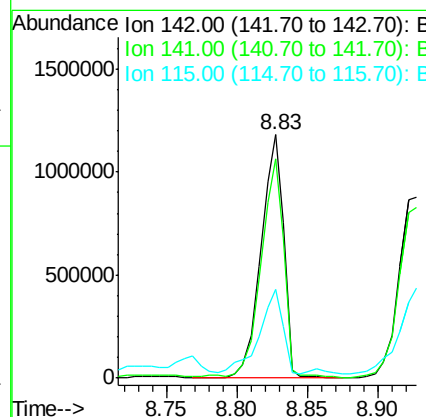
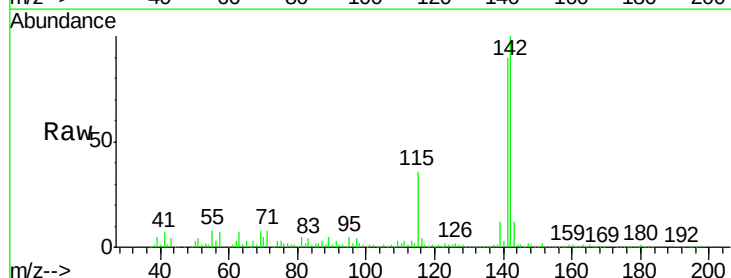
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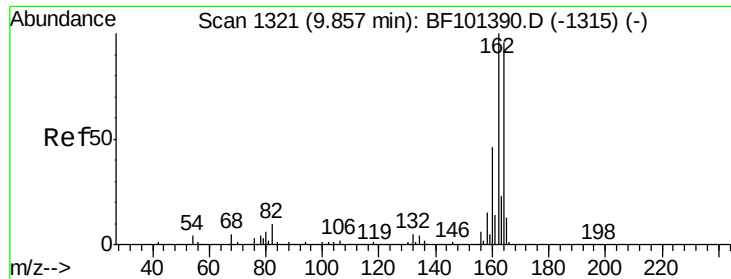
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#37
2-Methylnaphthalene
Concen: 82.213 ng
RT: 8.83 min Scan# 1146
Delta R.T. 0.02 min
Lab File: BF101450.D
Acq: 15 Dec 2017 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	1330143		
141	90.2		70.8	106.2
115	36.4		26.1	39.1





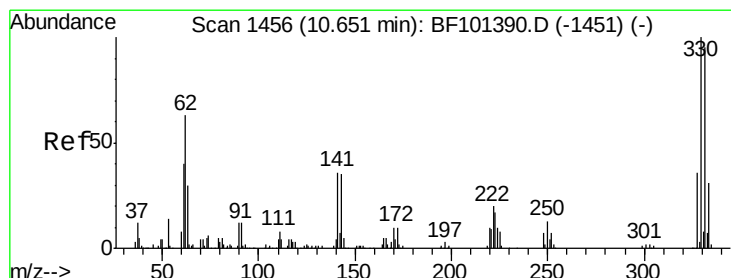
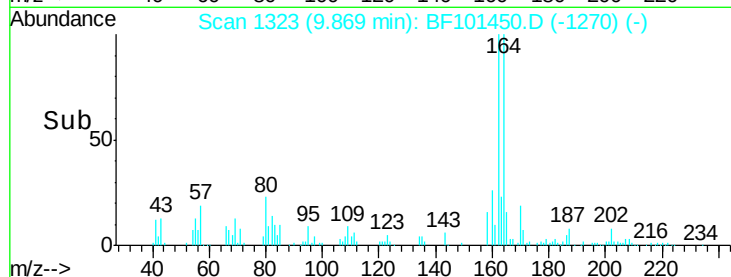
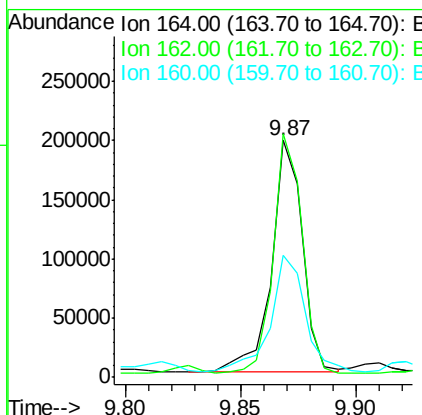
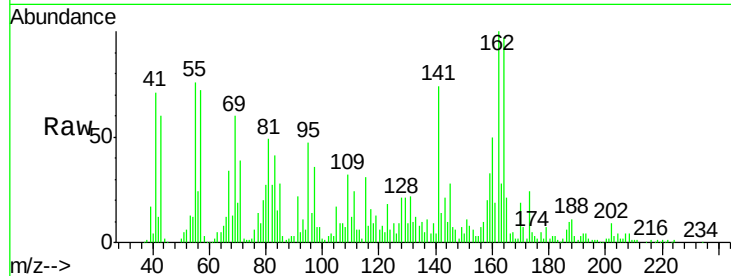
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.01 min
Lab File: BF101450.D
Acq: 15 Dec 2017 18:33

Instrument :
BNA_F
ClientSampleId :
JC-01-121317

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	181027		
162	102.8	86.1	129.1	
160	51.6	38.3	57.5	

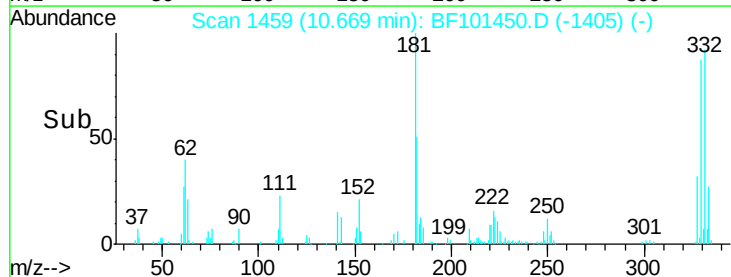
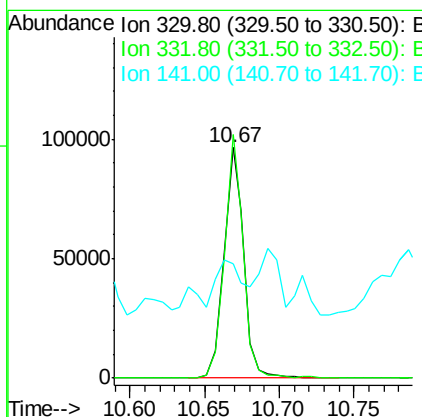
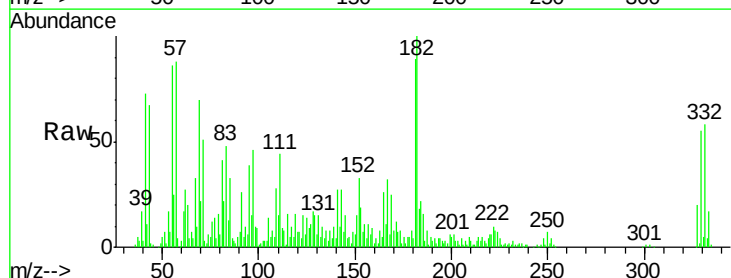
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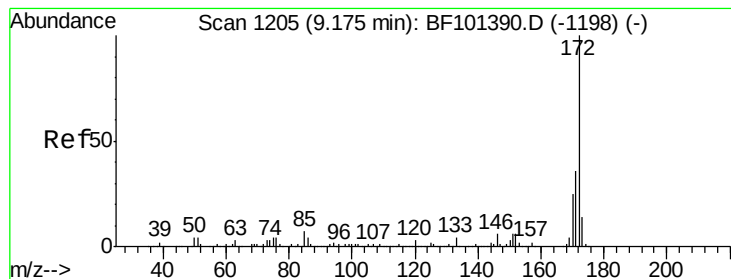
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#41
2,4,6-Tribromophenol
Concen: 51.790 ng
RT: 10.67 min Scan# 1459
Delta R.T. 0.02 min
Lab File: BF101450.D
Acq: 15 Dec 2017 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	90339		
332	100.3	77.0	115.6	
141	35.3	29.9	44.9	





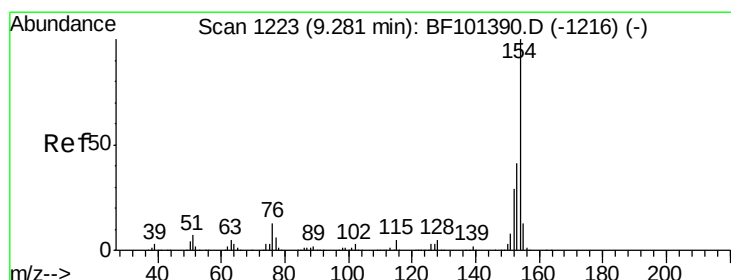
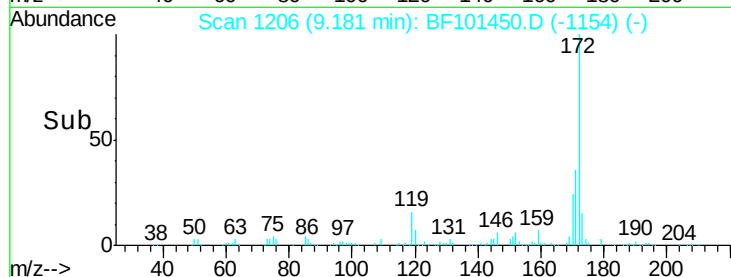
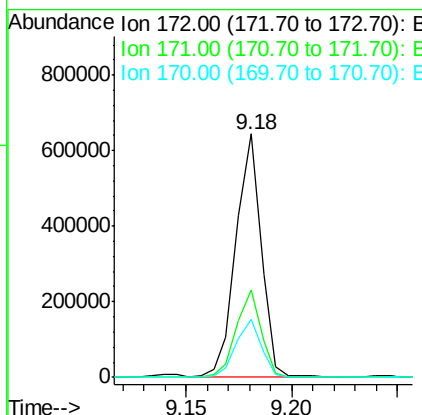
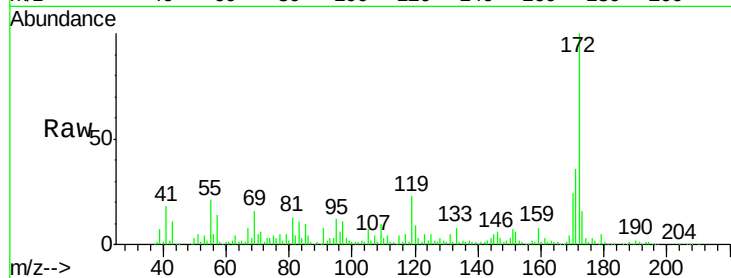
#44
2-Fluorobiphenyl
Concen: 45.619 ng
RT: 9.18 min Scan# 1206
Delta R.T. 0.01 min
Lab File: BF101450.D
Acq: 15 Dec 2017 18:33

Instrument :
BNA_F
ClientSampleId :
JC-01-121317

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	532361		
171	35.7	29.7	44.5	
170	23.6	19.6	29.4	

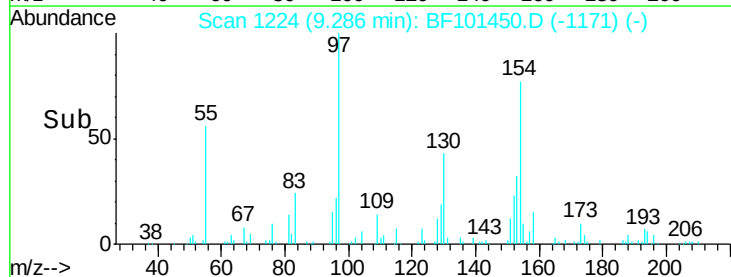
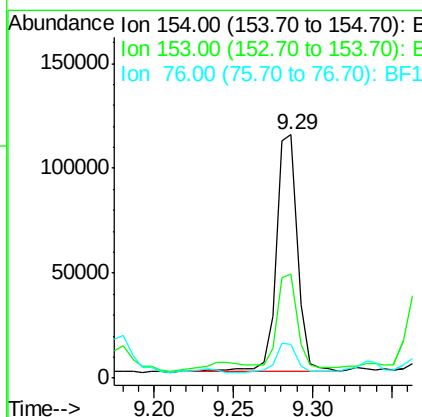
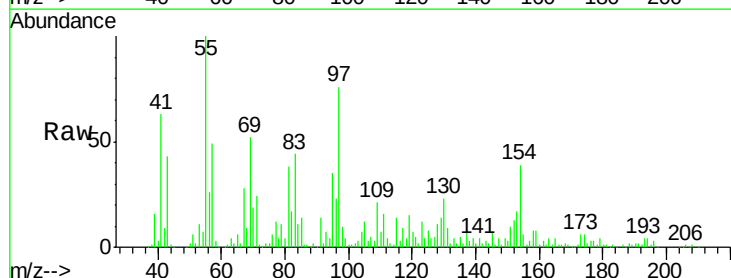
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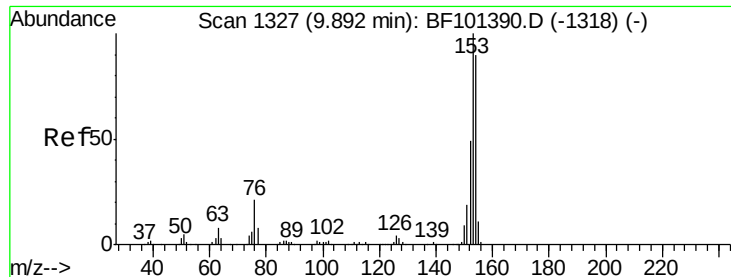
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#45
1,1'-Biphenyl
Concen: 6.613 ng
RT: 9.29 min Scan# 1224
Delta R.T. 0.01 min
Lab File: BF101450.D
Acq: 15 Dec 2017 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	106173		
153	42.8	21.3	61.3	
76	14.0	0.0	34.0	





#51

Acenaphthene

Concen: 39.365 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.02 min

Lab File: BF101450.D

Acq: 15 Dec 2017 18:33

Instrument :

BNA_F

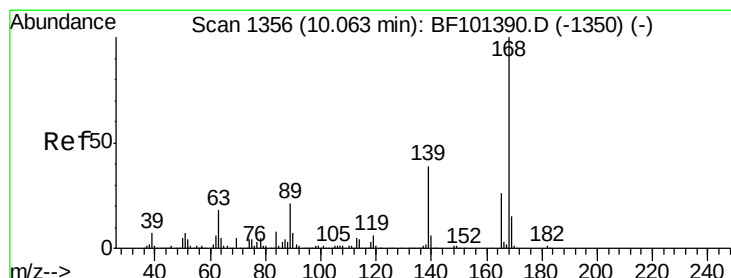
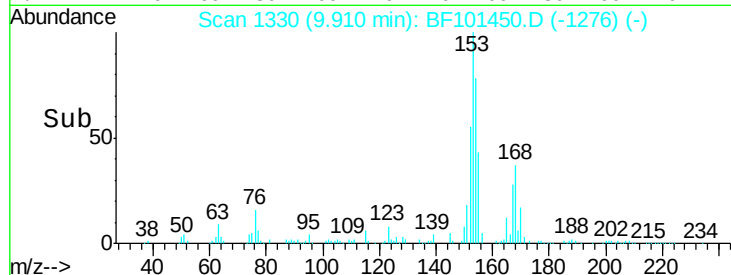
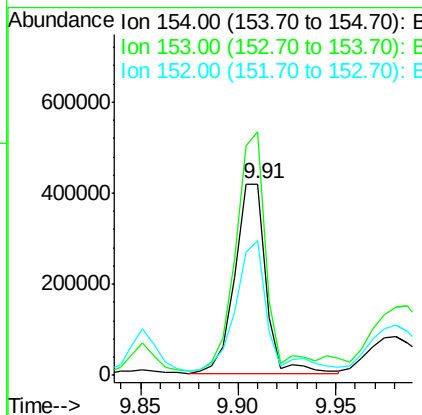
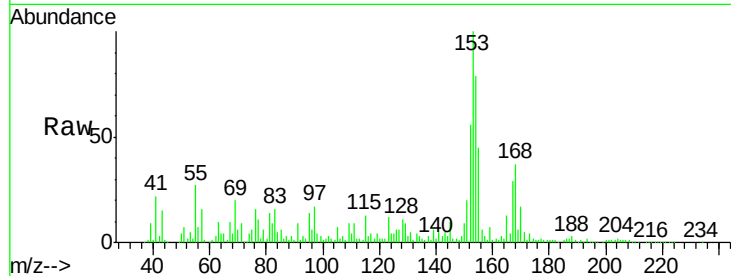
ClientSampleId :

JC-01-121317

Tgt	Ion	154	Resp:	458874
Ion	Ratio	Lower	Upper	
154	100			
153	127.2	91.2	136.8	
152	70.7	43.8	65.8#	

Manual Integrations
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#54

Dibenzofuran

Concen: 27.172 ng

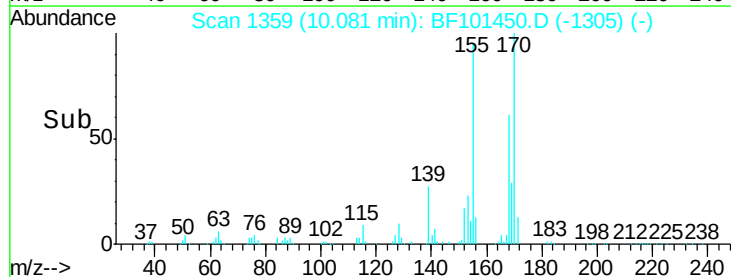
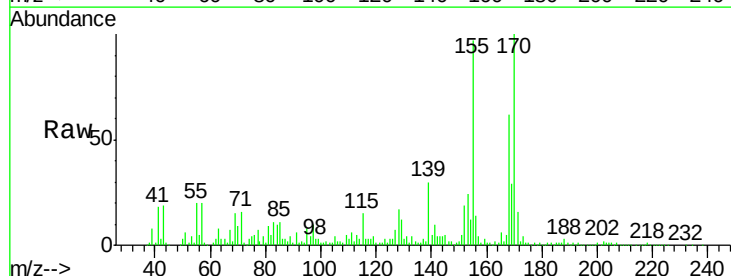
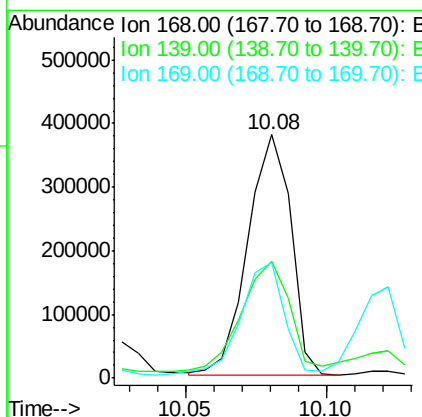
RT: 10.08 min Scan# 1359

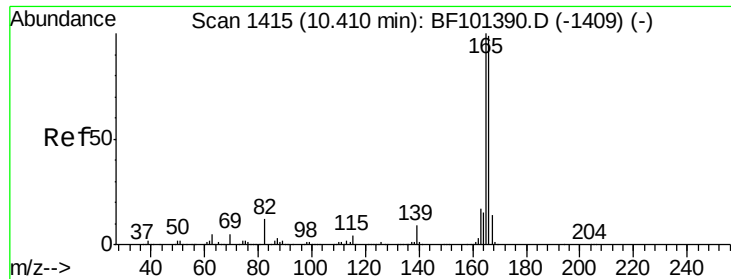
Delta R.T. 0.02 min

Lab File: BF101450.D

Acq: 15 Dec 2017 18:33

Tgt	Ion	168	Resp:	402528
Ion	Ratio	Lower	Upper	
168	100			
139	47.8	30.1	45.1#	
169	47.6	10.9	16.3#	





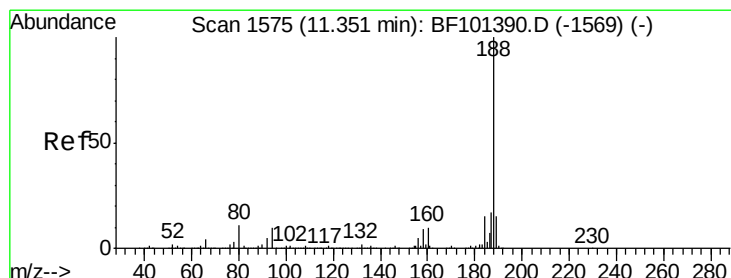
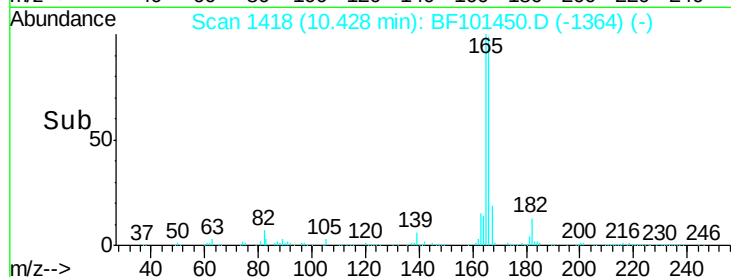
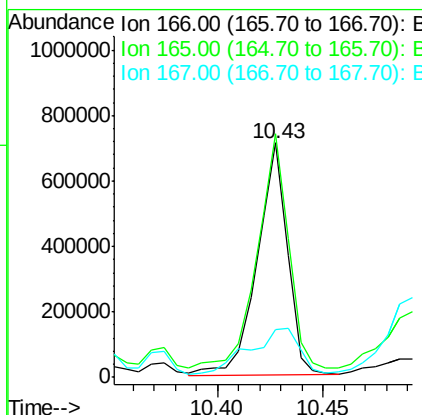
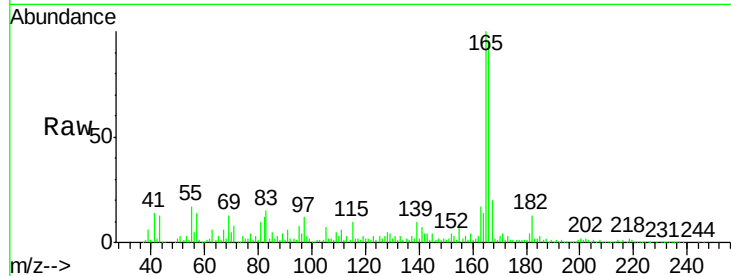
#57
Fluorene
 Concen: 56.481 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. 0.02 min
 Lab File: BF101450.D
 Acq: 15 Dec 2017 18:33

Instrument :
 BNA_F
 ClientSampleId :
 JC-01-121317

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	103.8	79.8	119.8	
167	20.5	10.6	16.0	

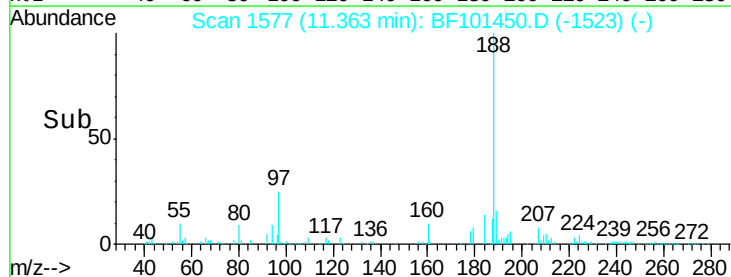
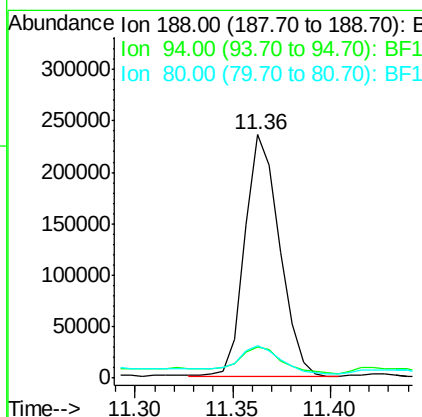
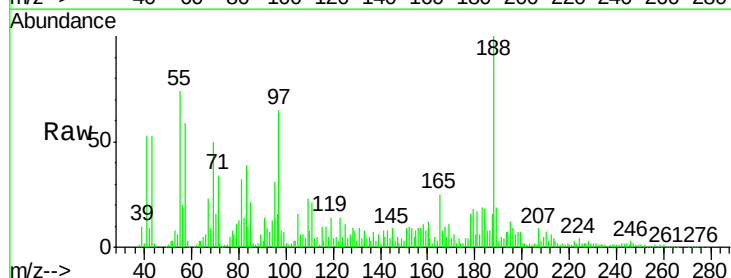
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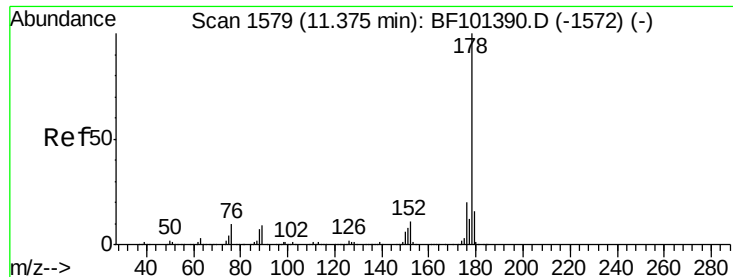
Sohil
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. 0.02 min
 Lab File: BF101450.D
 Acq: 15 Dec 2017 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	13.0	8.5	12.7	
80	13.2	9.2	13.8	





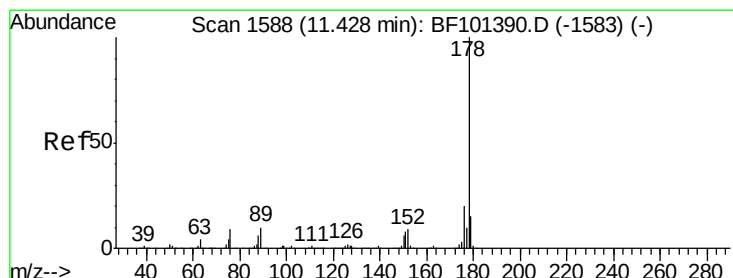
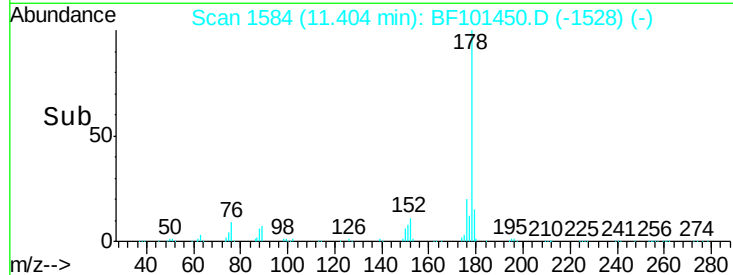
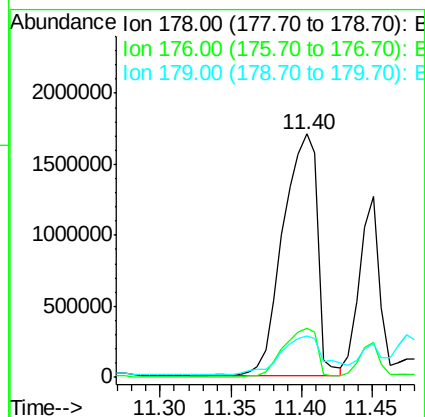
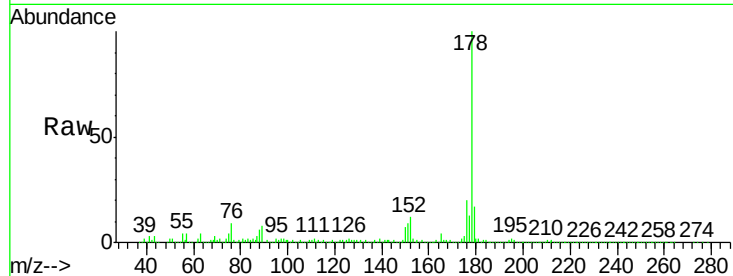
#70
Phenanthrene
Concen: 181.047 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.03 min
Lab File: BF101450.D
Acq: 15 Dec 2017 18:33

Instrument :
BNA_F
ClientSampleId :
JC-01-121317

Tgt Ion:178 Resp: 2911069
Ion Ratio Lower Upper
178 100
176 20.3 15.8 23.8
179 17.0 13.0 19.6

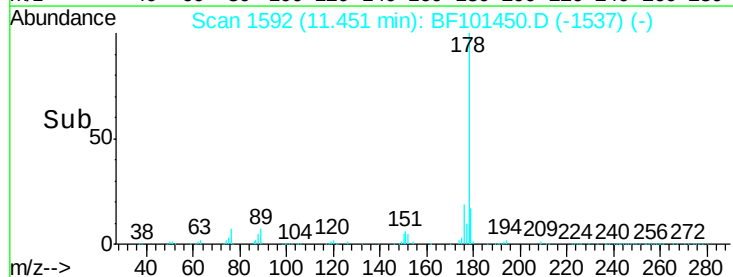
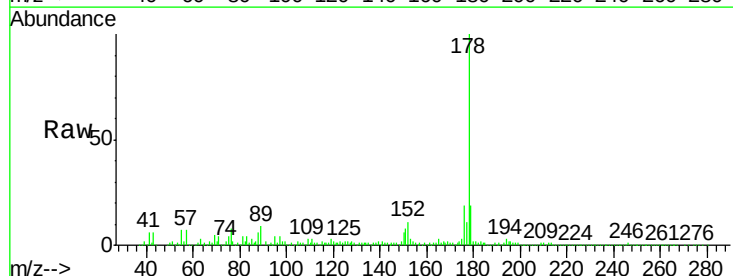
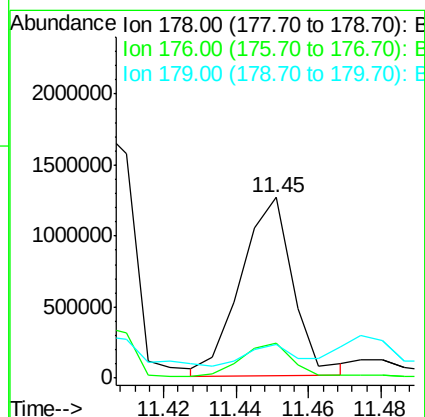
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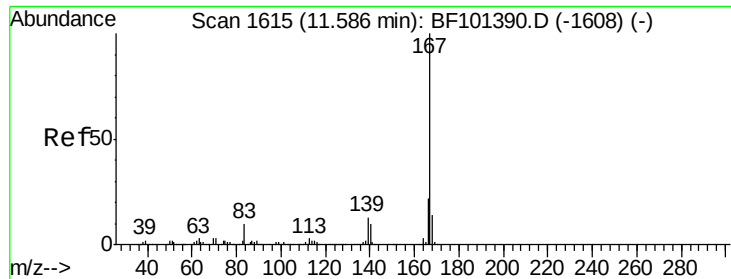
Sohil
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#71
Anthracene
Concen: 76.933 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.02 min
Lab File: BF101450.D
Acq: 15 Dec 2017 18:33

Tgt Ion:178 Resp: 1263573
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 18.8 12.6 19.0





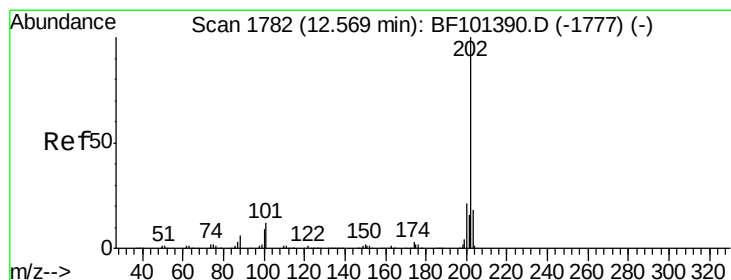
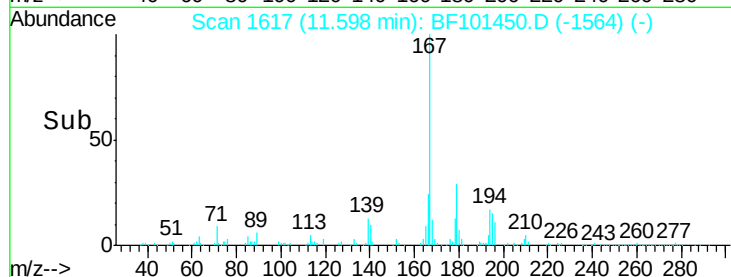
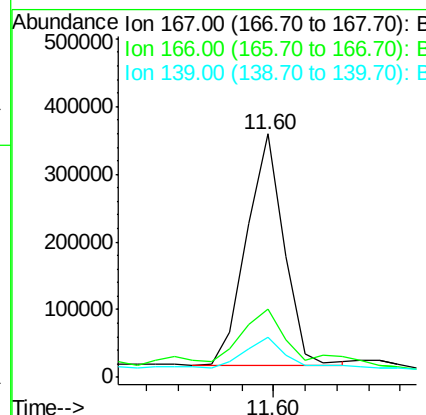
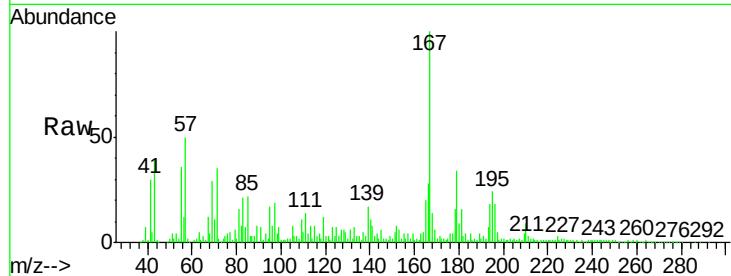
#72
 Carbazole
 Concen: 18.024 ng
 RT: 11.60 min Scan# 1617
 Delta R.T. 0.01 min
 Lab File: BF101450.D
 Acq: 15 Dec 2017 18:33

Instrument :
 BNA_F
 ClientSampleId :
 JC-01-121317

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	277157		
166	28.0		17.6	26.4#
139	16.6		10.9	16.3#

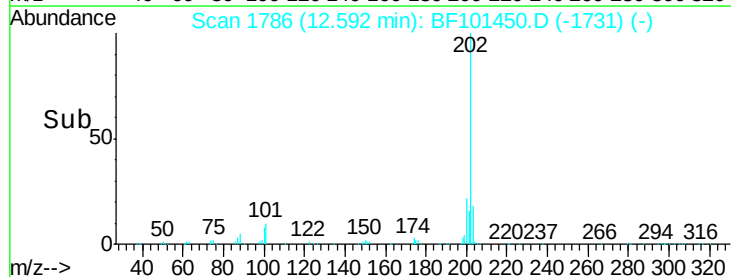
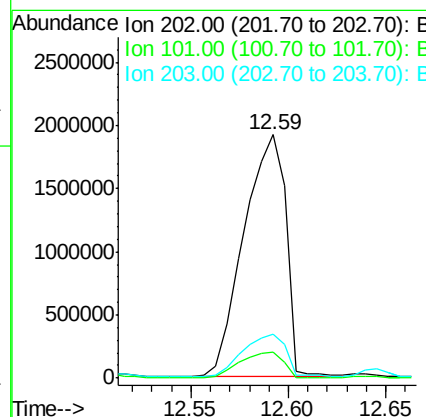
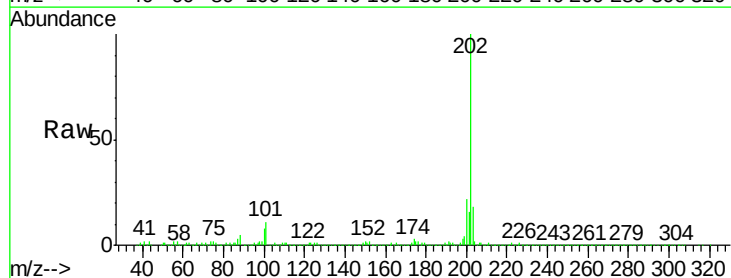
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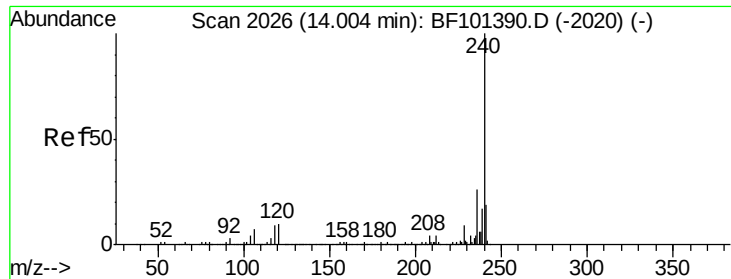
Sohil
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#74
 Fluoranthene
 Concen: 168.786 ng
 RT: 12.59 min Scan# 1786
 Delta R.T. 0.02 min
 Lab File: BF101450.D
 Acq: 15 Dec 2017 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2848647		
101	10.6		0.0	34.1
203	18.3		0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BF101450.D

Acq: 15 Dec 2017 18:33

Instrument :

BNA_F

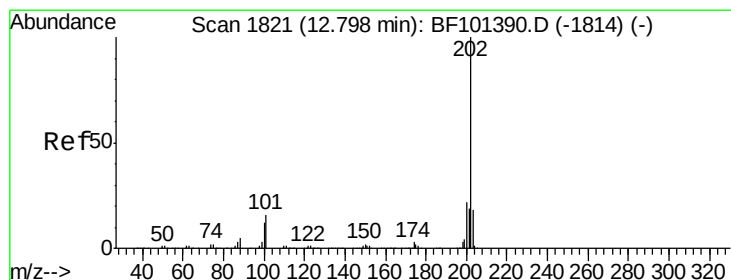
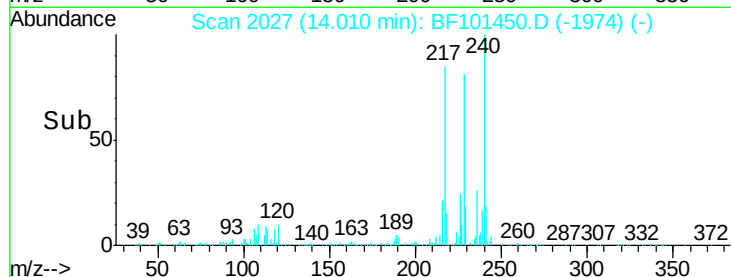
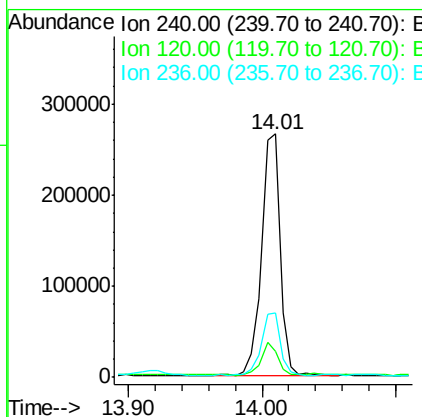
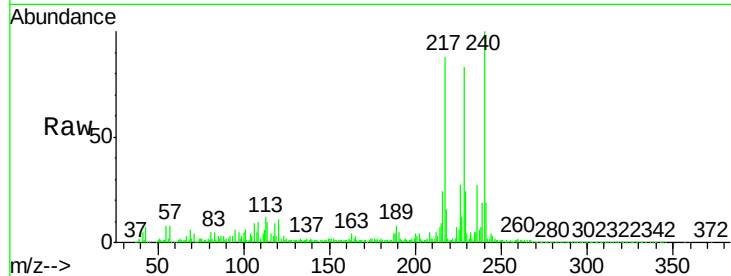
ClientSampleId :

JC-01-121317

Tgt Ion:	240	Resp:	258180
Ion Ratio	Lower	Upper	
240	100		
120	10.8	9.5	14.3
236	26.7	20.7	31.1

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#77

Pyrene

Concen: 128.690 ng

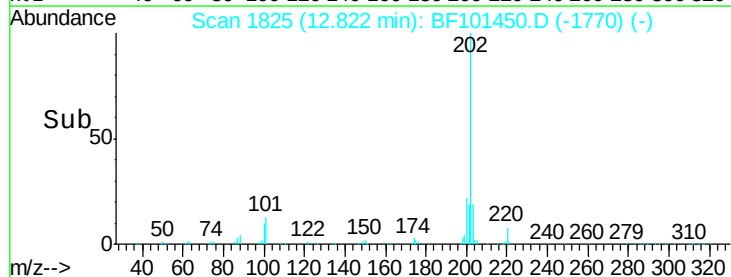
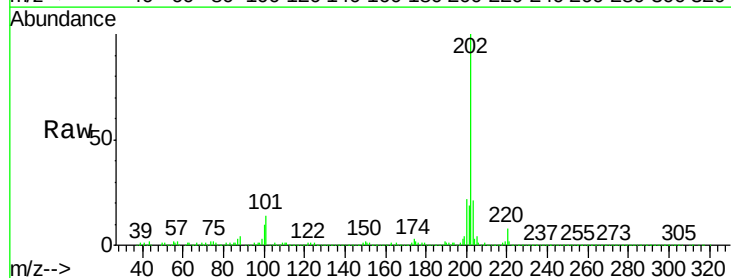
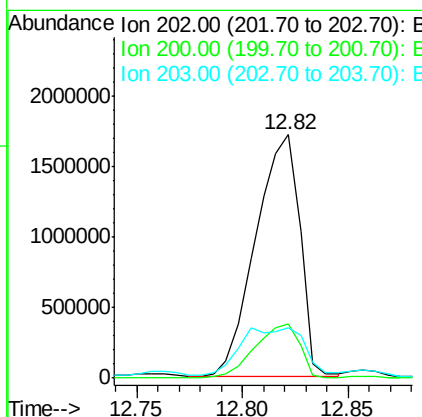
RT: 12.82 min Scan# 1825

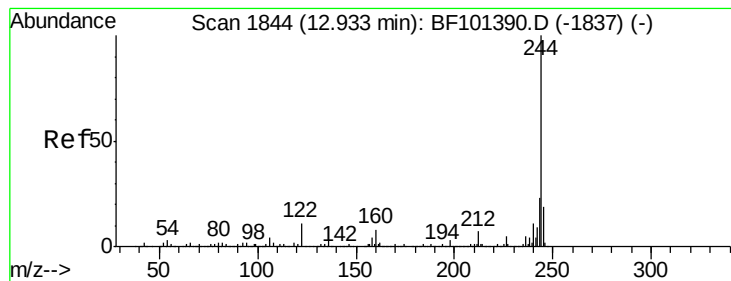
Delta R.T. 0.02 min

Lab File: BF101450.D

Acq: 15 Dec 2017 18:33

Tgt Ion:	202	Resp:	2493533
Ion Ratio	Lower	Upper	
202	100		
200	22.4	17.4	26.2
203	20.7	14.3	21.5





#78

Terphenyl-d14

Concen: 43.093 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.01 min

Lab File: BF101450.D

Acq: 15 Dec 2017 18:33

Instrument :

BNA_F

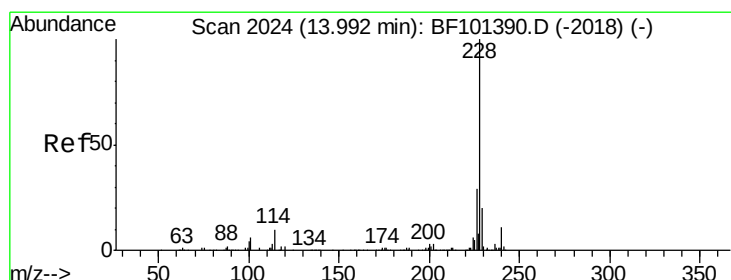
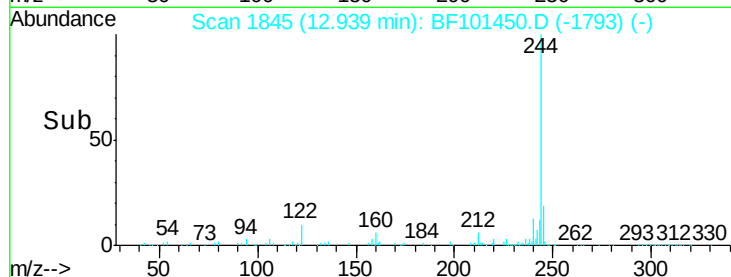
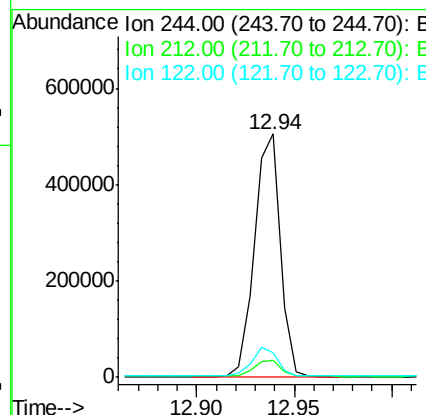
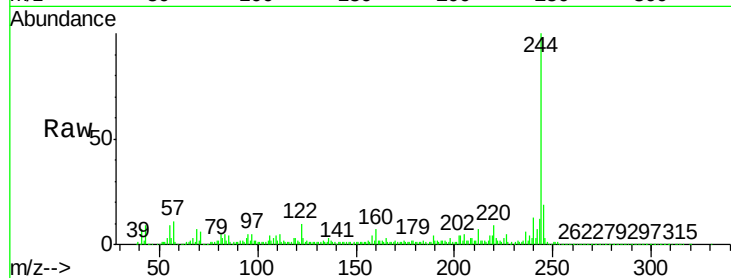
ClientSampleId :

JC-01-121317

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.8	5.4	8.0
122	10.3	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 89.249 ng

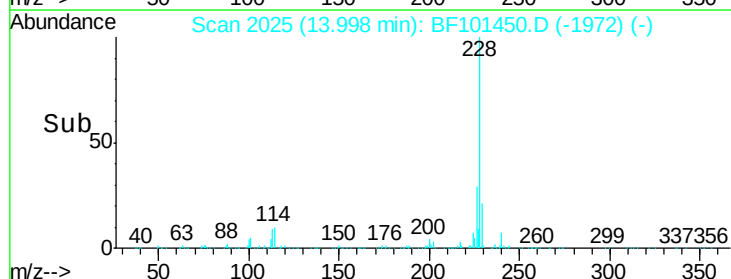
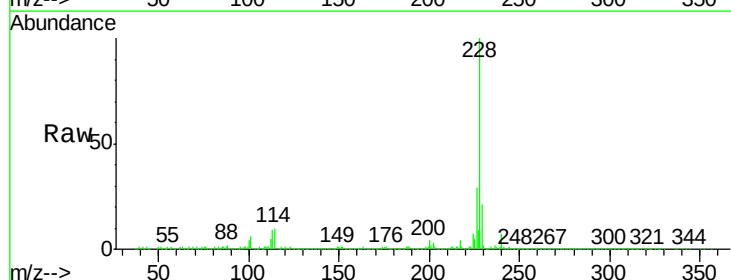
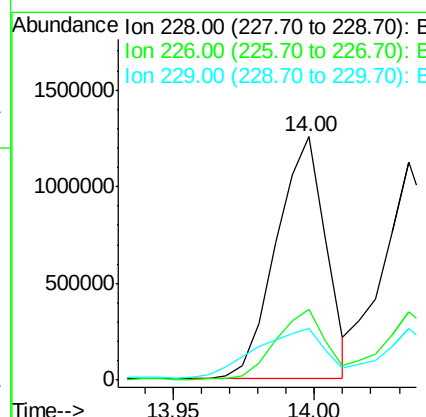
RT: 14.00 min Scan# 2025

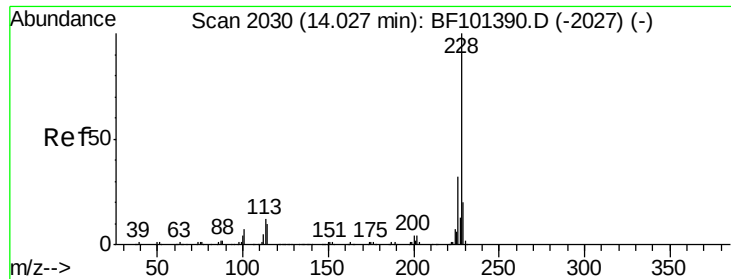
Delta R.T. 0.01 min

Lab File: BF101450.D

Acq: 15 Dec 2017 18:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	29.2	22.6	33.8
229	21.2	15.8	23.6





#82

Chrysene

Concen: 79.151 ng m

RT: 14.03 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BF101450.D

Acq: 15 Dec 2017 18:33

Instrument :

BNA_F

ClientSampleId :

JC-01-121317

Tgt Ion:228 Resp: 1274052

Ion Ratio Lower Upper

228 100

226 31.6 25.0 37.6

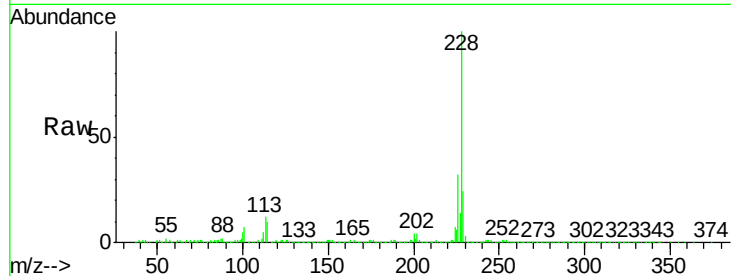
229 23.5 16.2 24.4

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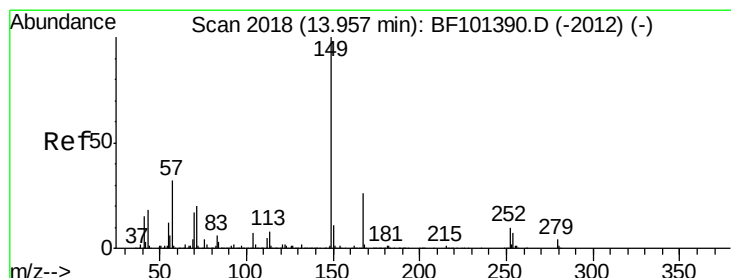
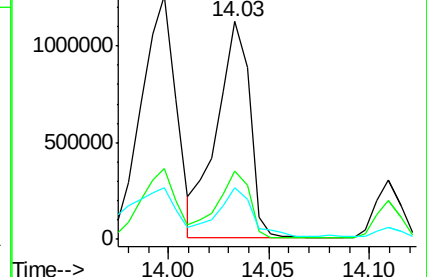
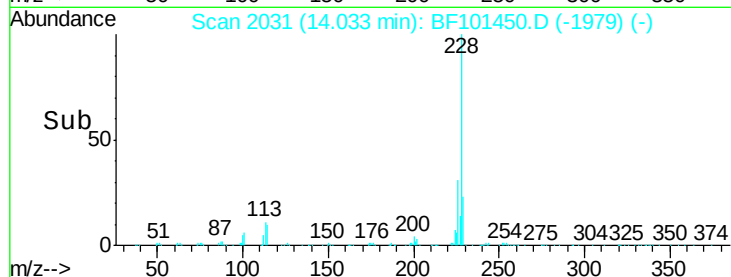
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.992 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BF101450.D

Acq: 15 Dec 2017 18:33

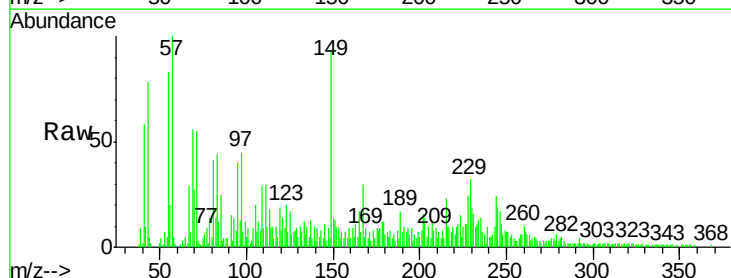
Tgt Ion:149 Resp: 33227

Ion Ratio Lower Upper

149 100

167 31.7 21.3 31.9

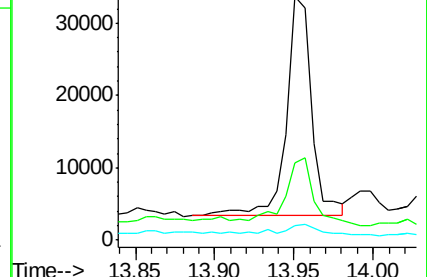
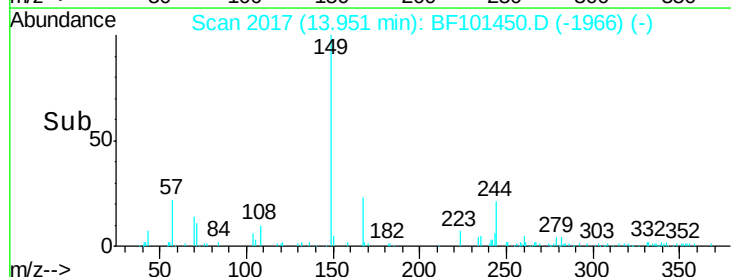
279 6.0 3.0 4.4#

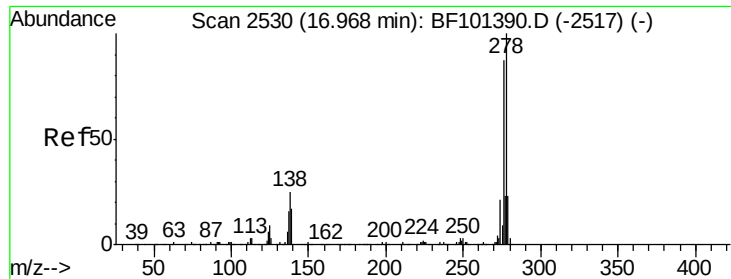


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





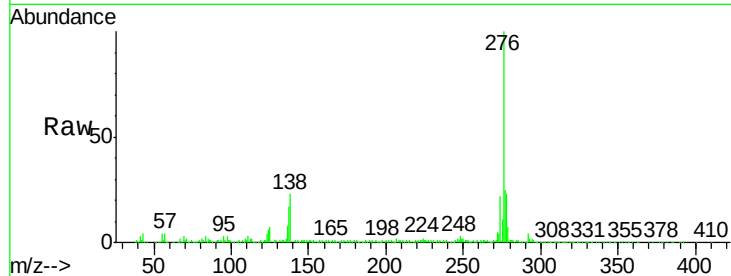
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 38.708 ng
 RT: 16.97 min Scan# 2530
 Delta R.T. 0.00 min
 Lab File: BF101450.D
 Acq: 15 Dec 2017 18:33

Instrument :
 BNA_F
 ClientSampleId :
 JC-01-121317

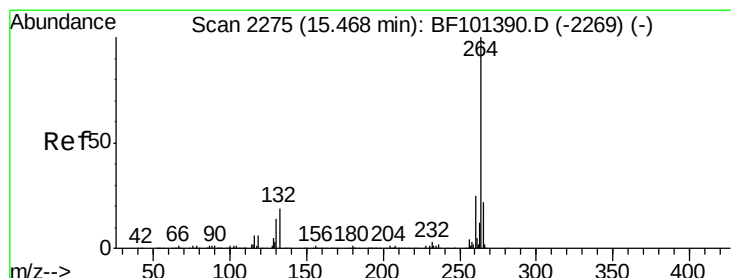
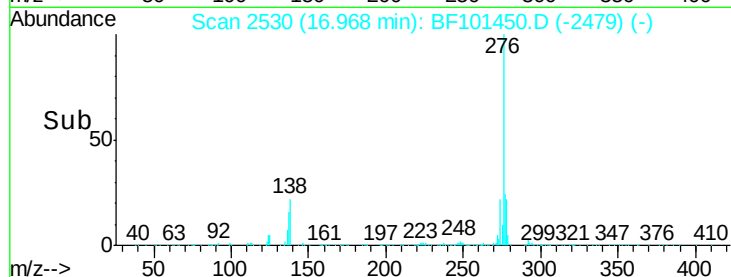
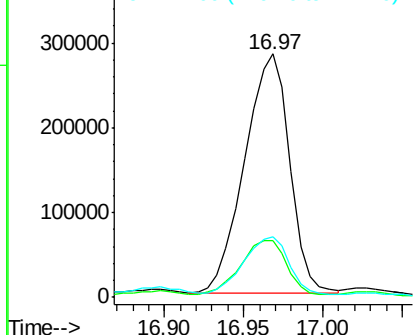
Tgt Ion	Ratio	Resp	Lower	Upper
276	100	554834		
138	23.6	25.0	37.6#	
277	24.3	20.1	30.1	

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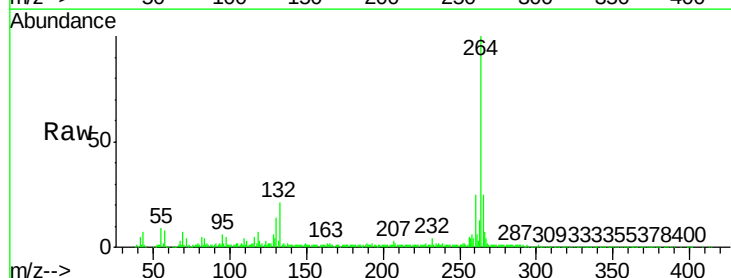


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

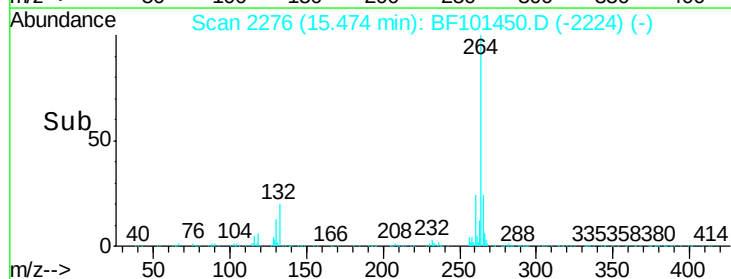
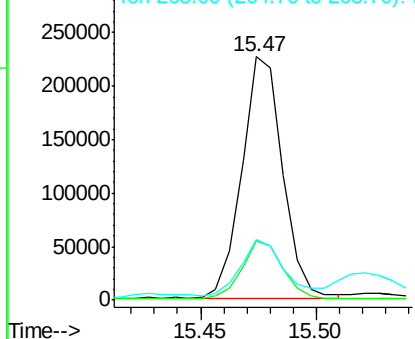


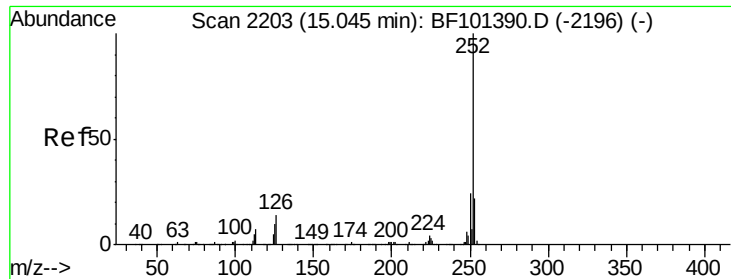
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2276
 Delta R.T. 0.01 min
 Lab File: BF101450.D
 Acq: 15 Dec 2017 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	278067		
260	24.6	19.2	28.8	
265	24.9	17.5	26.3	



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





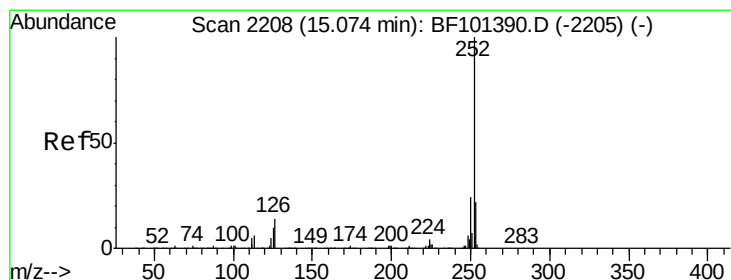
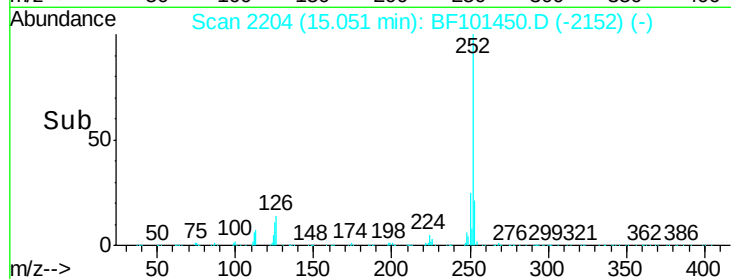
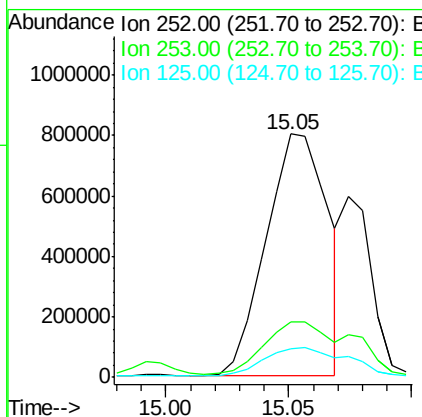
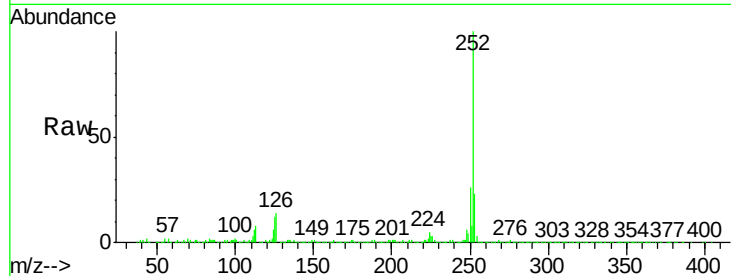
#87
Benzo(b)fluoranthene
Concen: 82.415 ng m
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF101450.D
Acq: 15 Dec 2017 18:33

Instrument :
BNA_F
ClientSampleId :
JC-01-121317

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	11.7	9.0	13.6

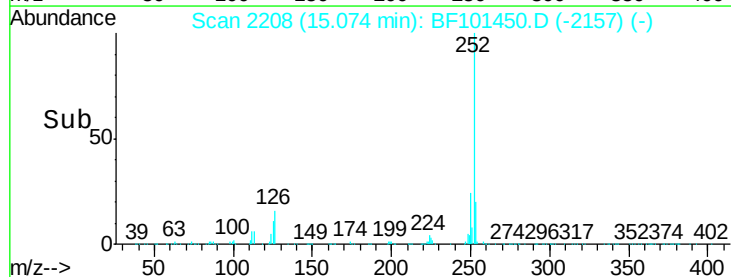
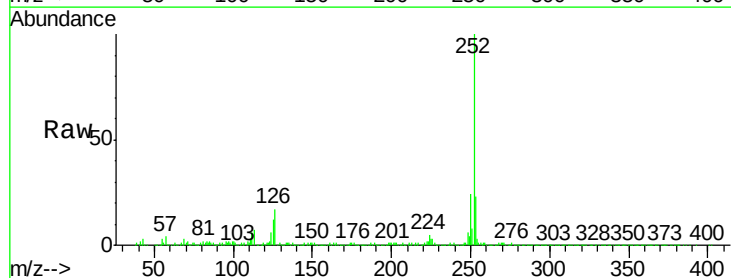
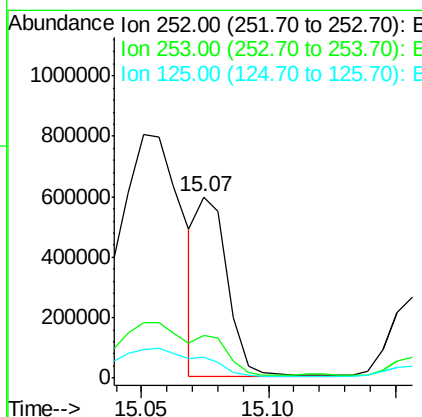
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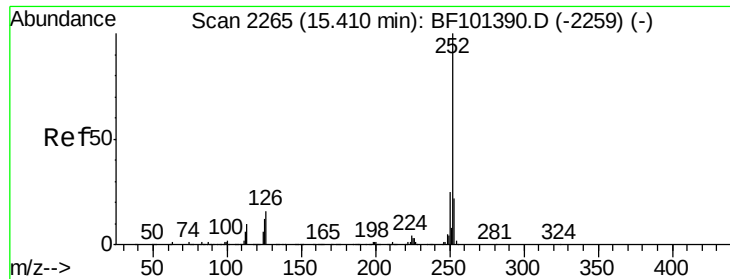
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#88
Benzo(k)fluoranthene
Concen: 30.217 ng m
RT: 15.07 min Scan# 2208
Delta R.T. 0.00 min
Lab File: BF101450.D
Acq: 15 Dec 2017 18:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	11.8	10.2	15.2





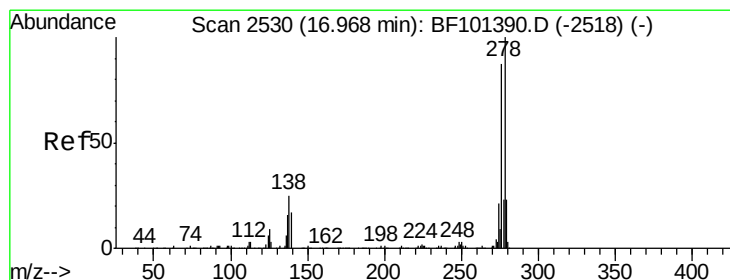
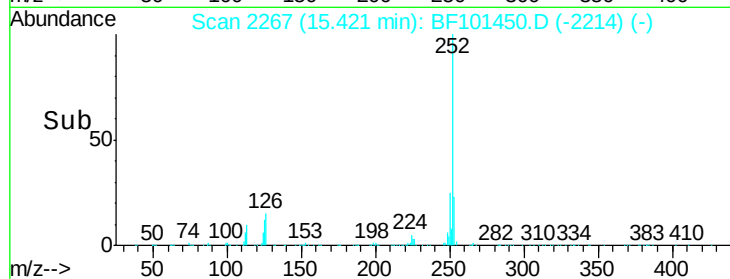
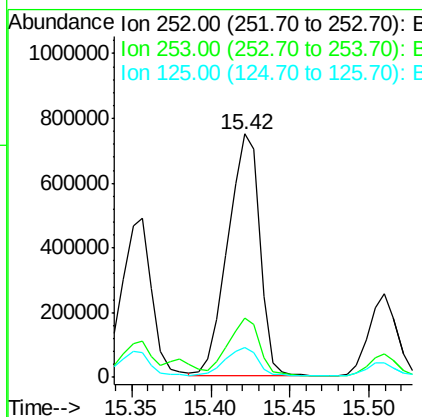
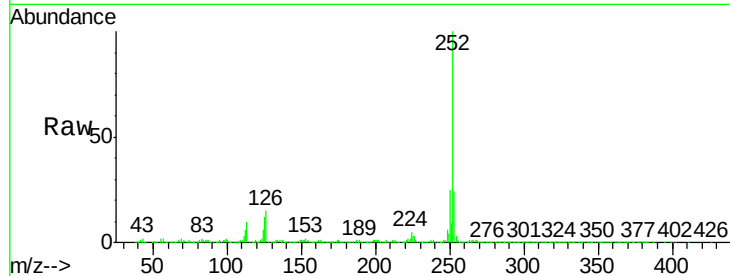
#89
Benzo(a)pyrene
Concen: 67.169 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.01 min
Lab File: BF101450.D
Acq: 15 Dec 2017 18:33

Instrument :
BNA_F
ClientSampleId :
JC-01-121317

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	12.5	9.8	14.6

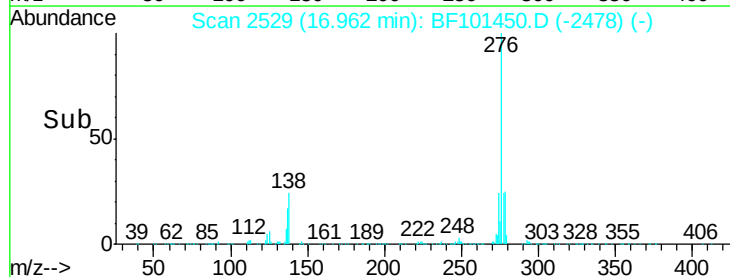
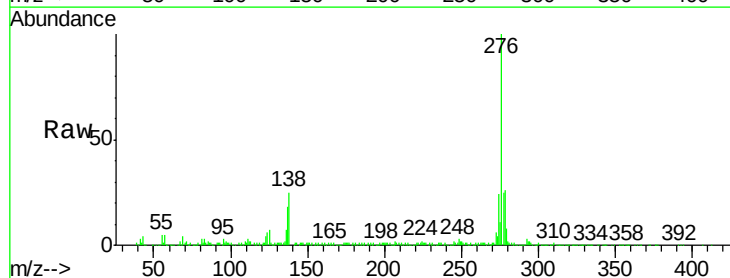
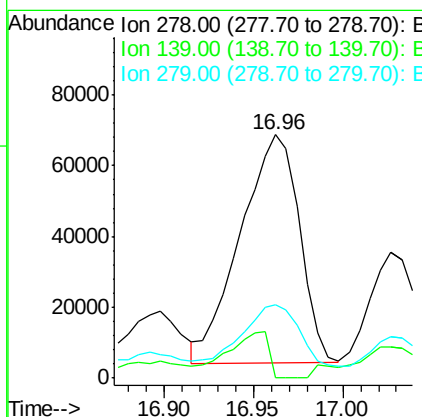
Manual Integrations
APPROVED

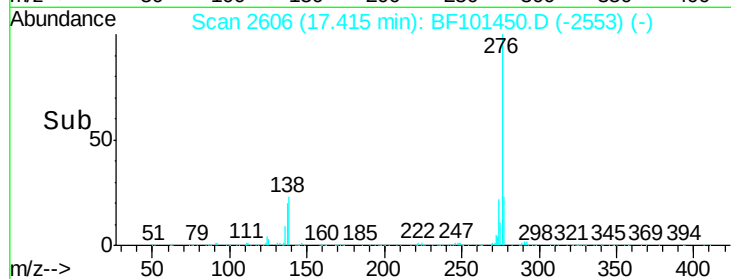
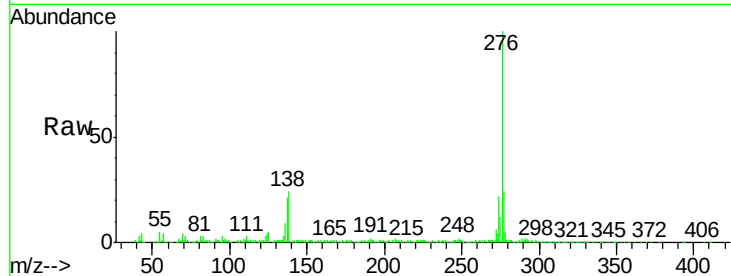
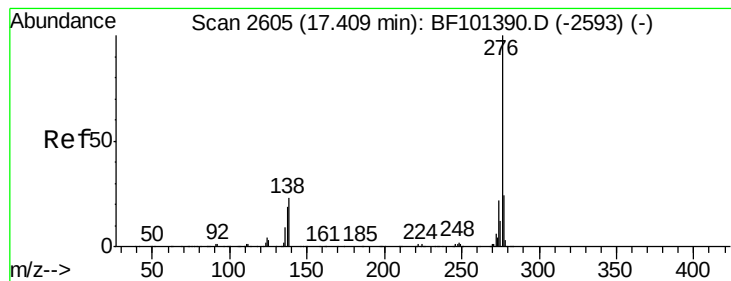
Sohil
12/18/2017 2:04:14 PM



#90
Dibenzo(a,h)anthracene
Concen: 11.021 ng m
RT: 16.96 min Scan# 2529
Delta R.T. 0.00 min
Lab File: BF101450.D
Acq: 15 Dec 2017 18:33

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	30.4	19.0	28.4#





#91

Benzo(g,h,i)perylene

Concen: 38.369 ng

RT: 17.42 min Scan# 2606

Delta R.T. 0.01 min

Lab File: BF101450.D

Acq: 15 Dec 2017 18:33

Instrument :

BNA_F

ClientSampleId :

JC-01-121317

Tgt	Ion	276	Resp	509671
Ion	Ratio	Lower	Upper	
276	100			
277	24.5	17.9	26.9	
138	23.8	21.8	32.8	

Manual Integrations
APPROVED

Sohil
12/18/2017 2:04:14 PM

