

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
 Data File : BF101331.D
 Acq On : 12 Dec 2017 15:55
 Operator : SJ/JU
 Sample : I6675-03 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-121117-A

Manual Integrations
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 12/13/2017 12:07:32 PM

Quant Time: Dec 13 02:13:38 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	46916	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	179336	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	81146	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	141616	20.00	ng	0.00
75) Chrysene-d12	14.01	240	101754	20.00	ng	0.00
86) Perylene-d12	15.49	264	101555	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	73499	25.89	ng	0.00
7) Phenol-d6	6.45	99	91223	26.46	ng	-0.01
23) Nitrobenzene-d5	7.38	82	55468	18.45	ng	-0.02
41) 2,4,6-Tribromophenol	10.66	330	23189	23.79	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	117951	19.89	ng	-0.01
78) Terphenyl-d14	12.94	244	89919	19.33	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.13	128	178572	20.204	ng	99
37) 2-Methylnaphthalene	8.82	142	80578	13.417	ng	98
45) 1,1'-Biphenyl	9.28	154	21856	2.940	ng	92
48) Acenaphthylene	9.72	152	54256	6.253	ng	98
49) Dimethylphthalate	9.57	163	18025	2.754	ng	99
51) Acenaphthene	9.89	154	61275	11.793	ng	99
54) Dibenzofuran	10.07	168	113279	15.129	ng	98
57) Fluorene	10.41	166	160728	26.407	ng	98
70) Phenanthrene	11.39	178	836728	107.290	ng	99
71) Anthracene	11.43	178	243361	30.833	ng	98
72) Carbazole	11.59	167	96778	13.420	ng	99
74) Fluoranthene	12.58	202	745717	86.262	ng	98
77) Pvrene	12.81	202	627267	89.337	ng	99
80) Benzo(a)anthracene	14.00	228	313809	48.845	ng	98
82) Chrysene	14.03	228	253044	42.410	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	104642	19.727	ng	# 89
87) Benzo(b)fluoranthene	15.06	252	306064m	50.316	ng	
88) Benzo(k)fluoranthene	15.08	252	86084m	14.364	ng	
89) Benzo(a)pvrene	15.43	252	216413	39.134	ng	98
90) Dibenzo(a,h)anthracene	16.97	278	30721m	6.301	ng	
91) Benzo(q,h,i)perylene	17.43	276	96918	21.094	ng	# 92

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

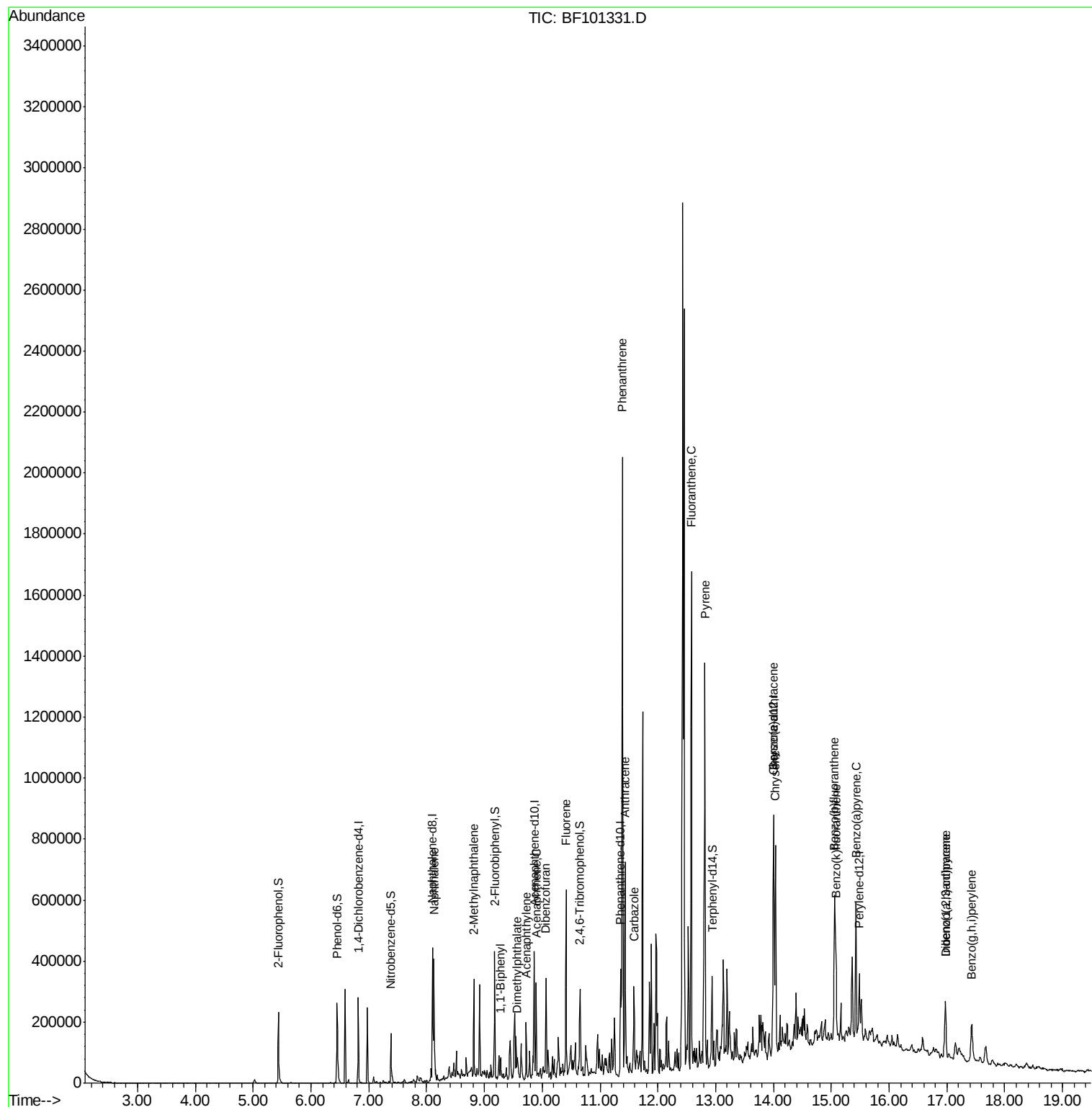
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101331.D
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#1

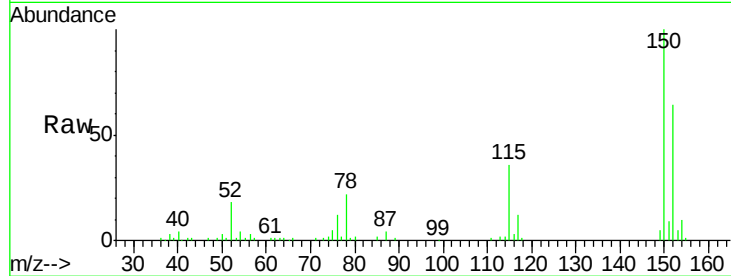
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF101331.D
Acq: 12 Dec 2017 15:55

Instrument :
BNA_F
ClientSampleId :
SU-03-121117-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.6	186.8
115	55.5	50.1	75.1

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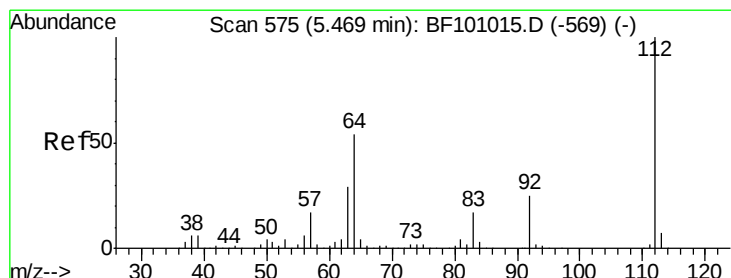
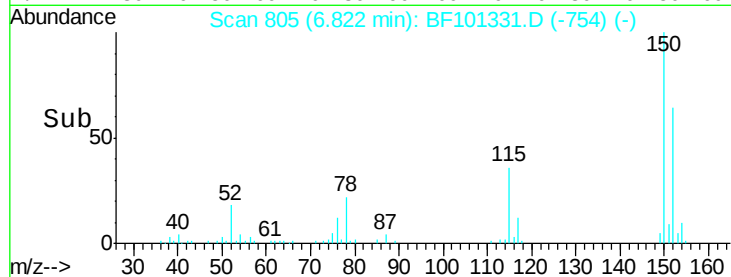
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

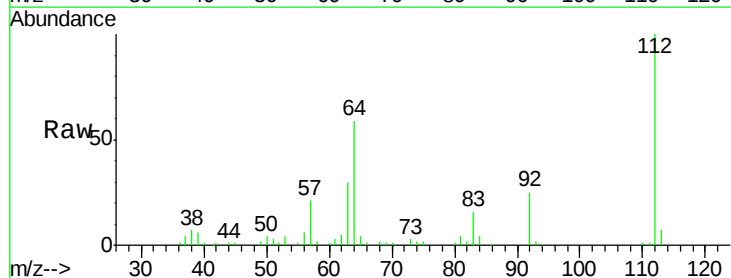
Time-->



#5

2-Fluorophenol
Concen: 25.887 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF101331.D
Acq: 12 Dec 2017 15:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	47.9	71.9
63	29.7	23.7	35.5



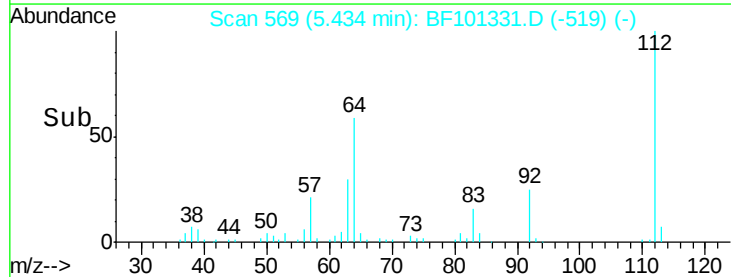
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 26.464 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF101331.D

Acq: 12 Dec 2017 15:55

Instrument :

BNA_F

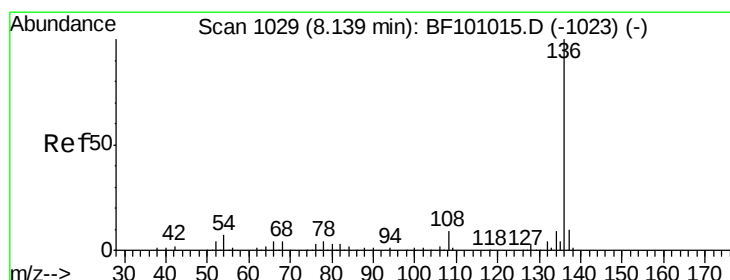
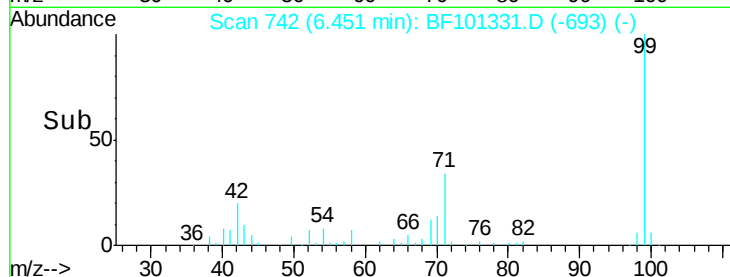
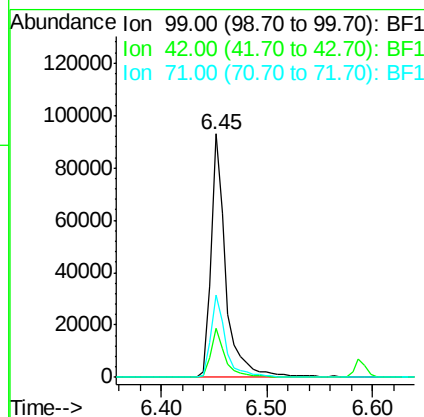
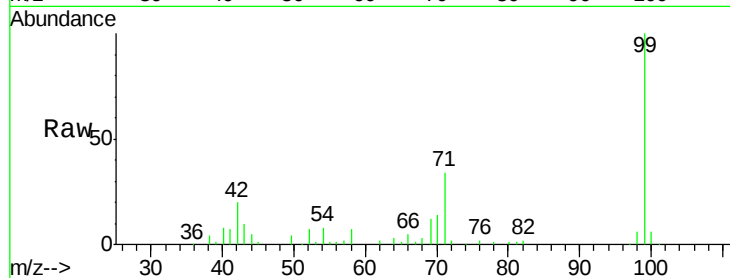
ClientSampleId :

SU-03-121117-A

Tot Ion:	99	Resp:	91223
Ion Ratio	Lower	Upper	
99	100		
42	20.1	14.5	21.7
71	33.9	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

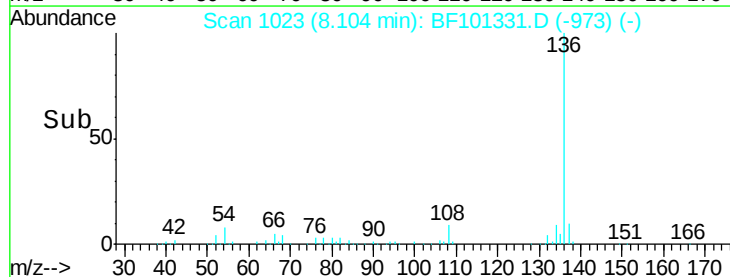
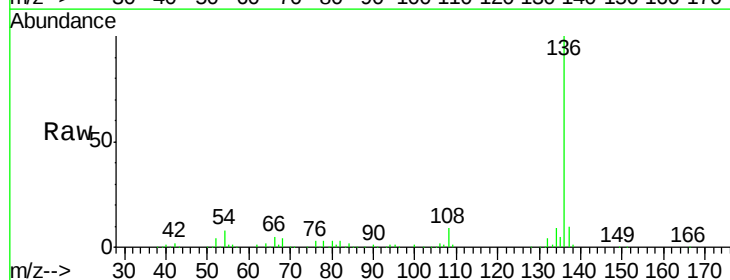
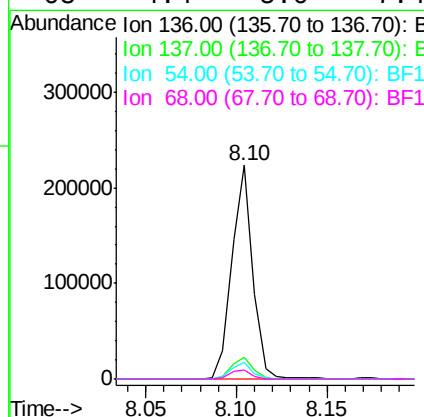
RT: 8.10 min Scan# 1023

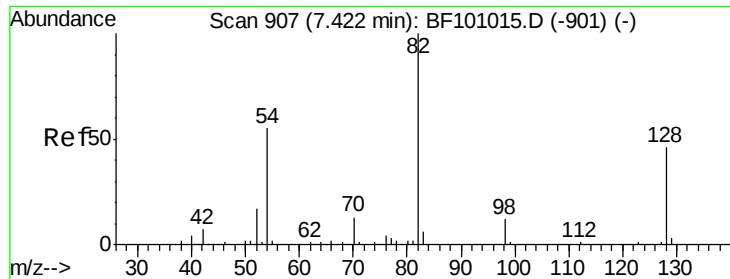
Delta R.T. -0.01 min

Lab File: BF101331.D

Acq: 12 Dec 2017 15:55

Tgt Ion:	136	Resp:	179336
Ion Ratio	Lower	Upper	
136	100		
137	10.2	8.9	13.3
54	7.6	6.6	9.8
68	4.4	5.0	7.4#





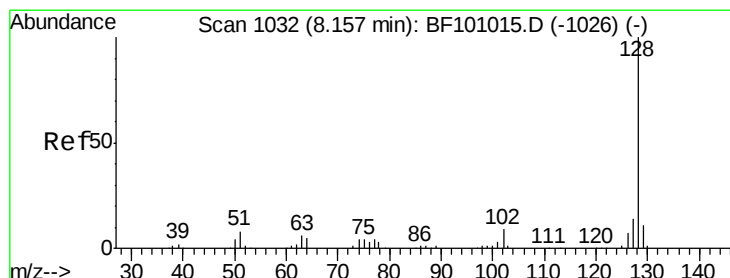
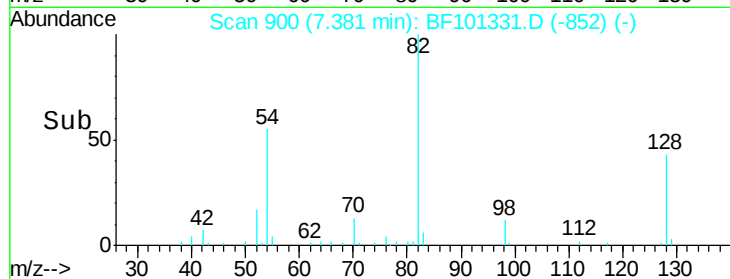
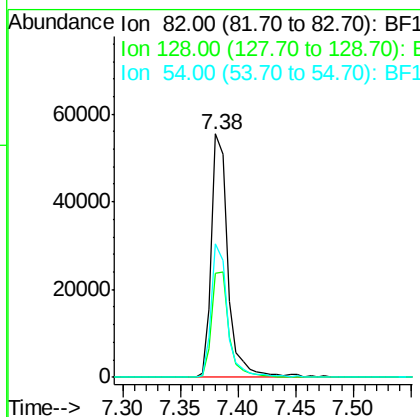
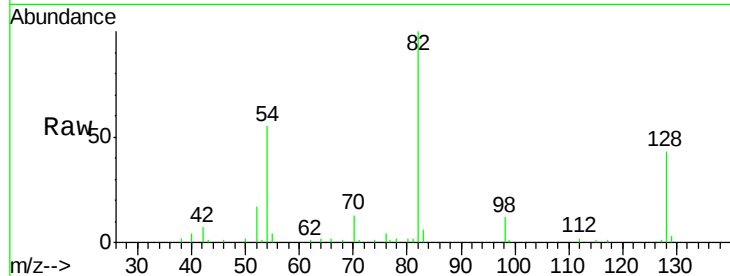
#23
Nitrobenzene-d5
Concen: 18.451 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.02 min
Lab File: BF101331.D
Acq: 12 Dec 2017 15:55

Instrument :
BNA_F
ClientSampleId :
SU-03-121117-A

Tot Ion	Ratio	Resp	Lower	Upper
82	100	55468		
128	42.6		36.1	54.1
54	54.8		41.4	62.2

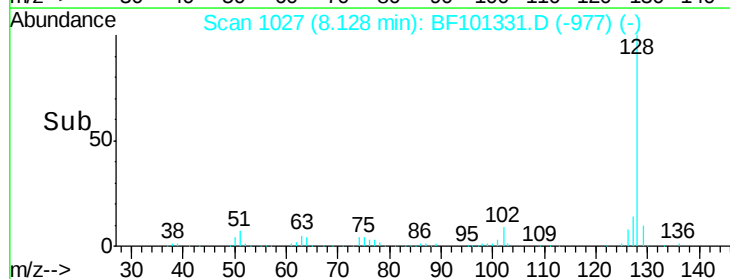
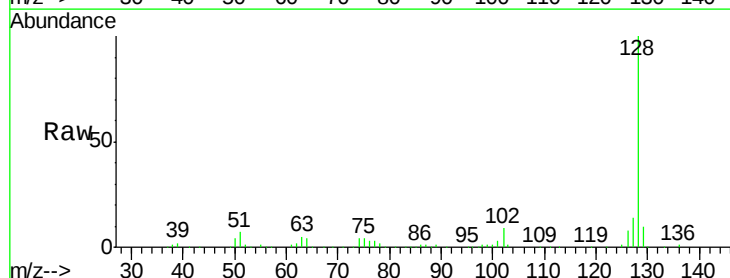
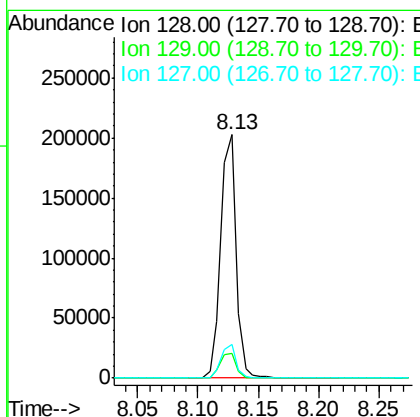
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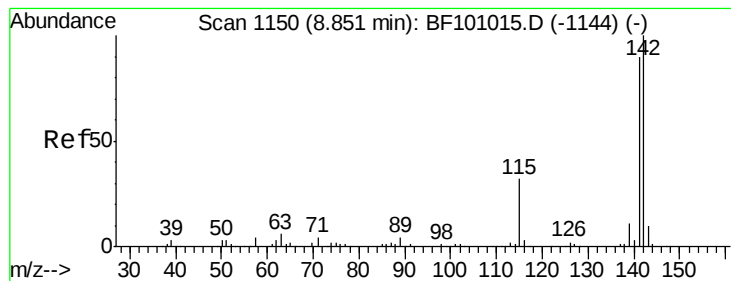
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#31
Naphthalene
Concen: 20.204 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF101331.D
Acq: 12 Dec 2017 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	178572		
129	10.2		8.8	13.2
127	13.6		10.9	16.3





#37

2-Methylnaphthalene

Concen: 13.417 ng

RT: 8.82 min Scan# 1144

Delta R.T. -0.01 min

Lab File: BF101331.D

Acq: 12 Dec 2017 15:55

Instrument :

BNA_F

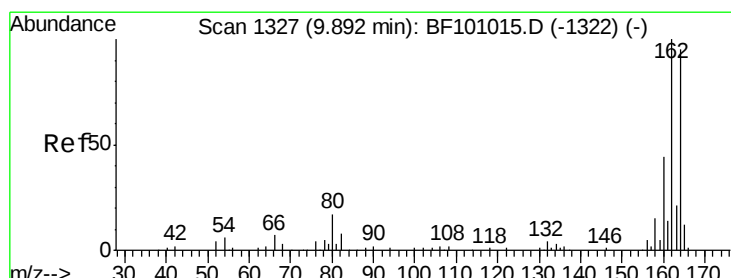
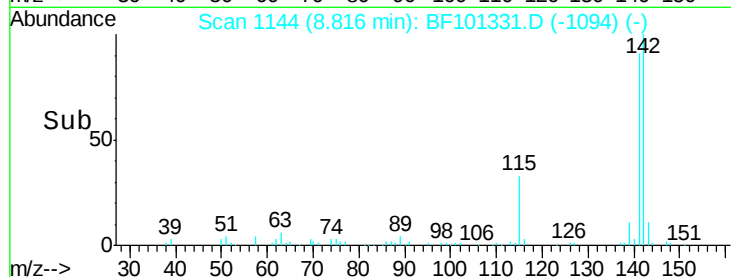
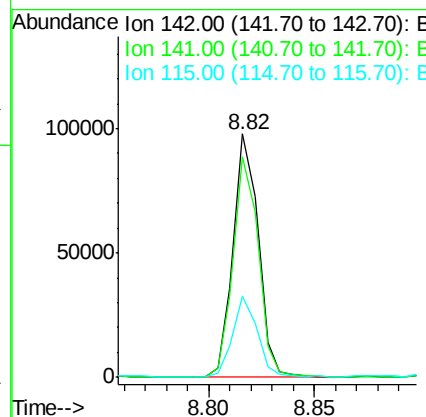
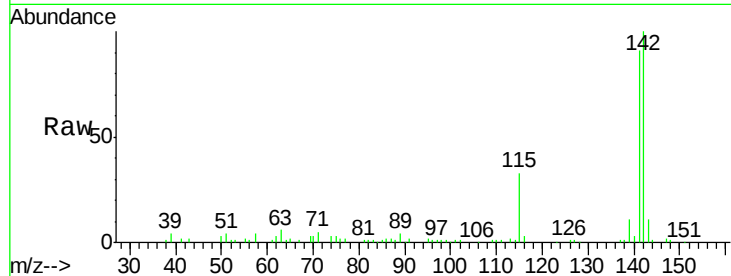
ClientSampled :

SU-03-121117-A

Tot Ion:	142	Resp:	80578
Ion Ratio	Lower	Upper	
142	100		
141	90.6	70.8	106.2
115	33.1	26.1	39.1

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#38

Acenaphthene-d10

Concen: 20.000 ng

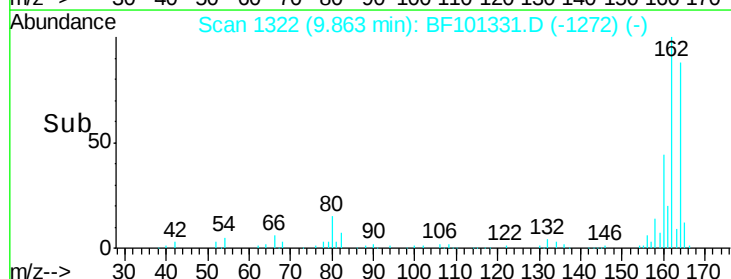
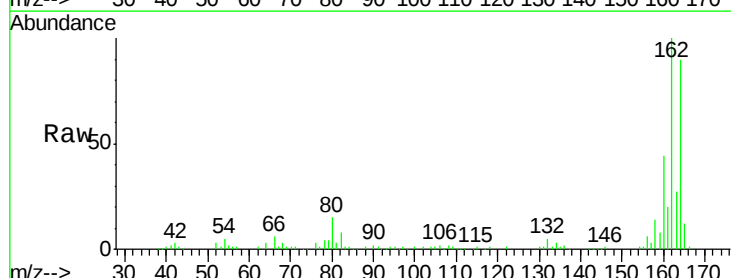
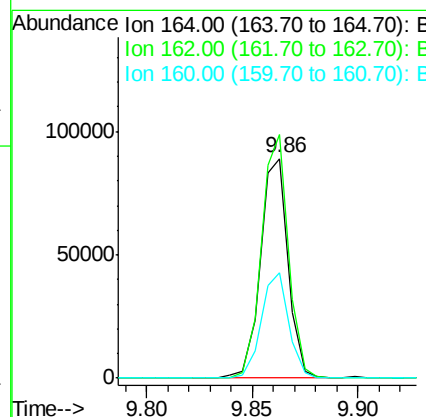
RT: 9.86 min Scan# 1322

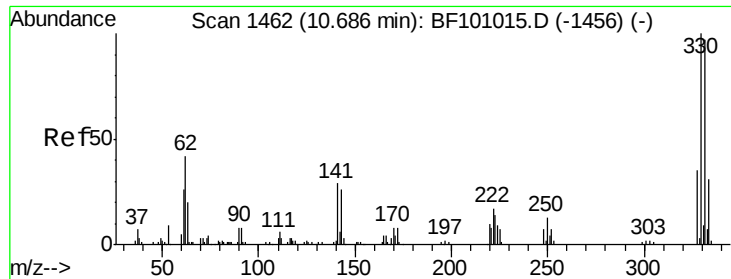
Delta R.T. -0.01 min

Lab File: BF101331.D

Acq: 12 Dec 2017 15:55

Tgt Ion:	164	Resp:	81146
Ion Ratio	Lower	Upper	
164	100		
162	110.8	86.1	129.1
160	48.2	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 23.789 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.01 min

Lab File: BF101331.D

Acq: 12 Dec 2017 15:55

Instrument :

BNA_F

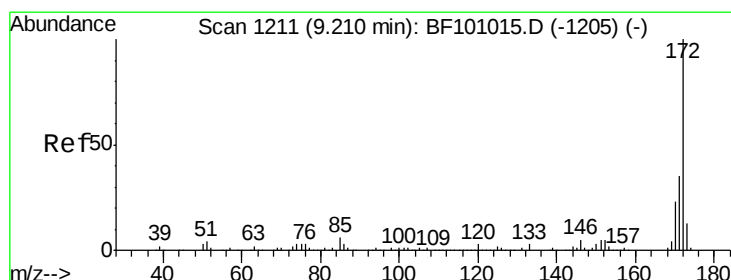
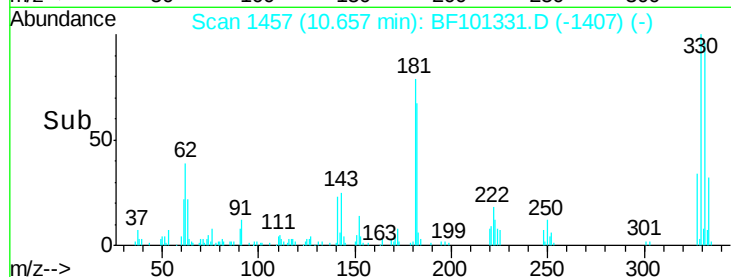
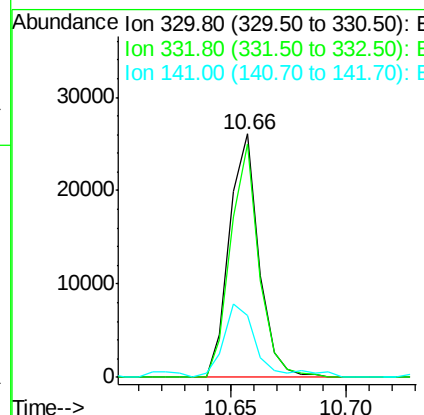
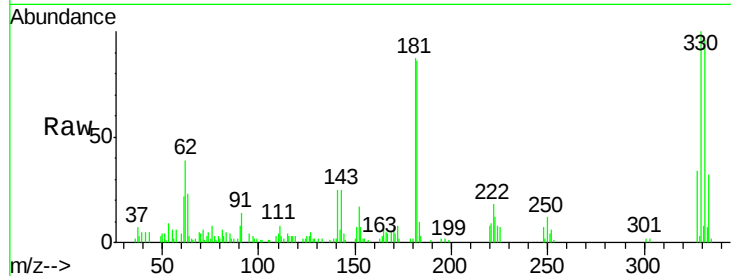
ClientSampleId :

SU-03-121117-A

Tot Ion:	330	Resp:	23189
Ion Ratio	Lower	Upper	
330	100		
332	92.5	77.0	115.6
141	31.4	29.9	44.9

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#44

2-Fluorobiphenyl

Concen: 19.888 ng

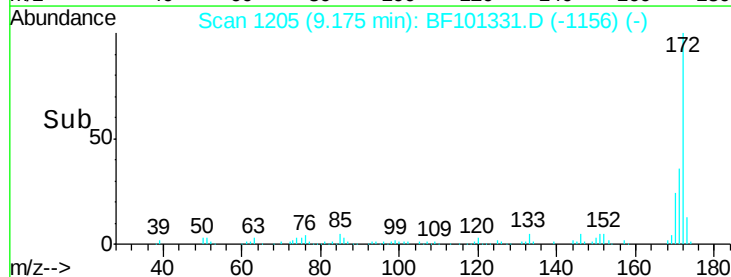
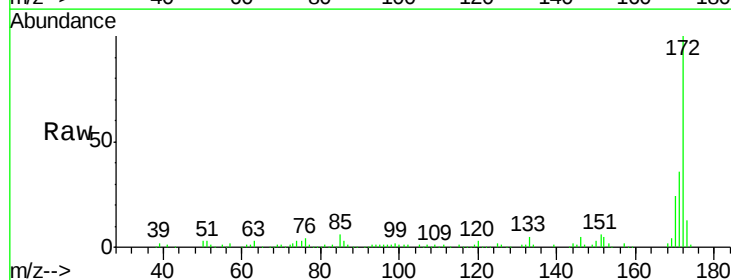
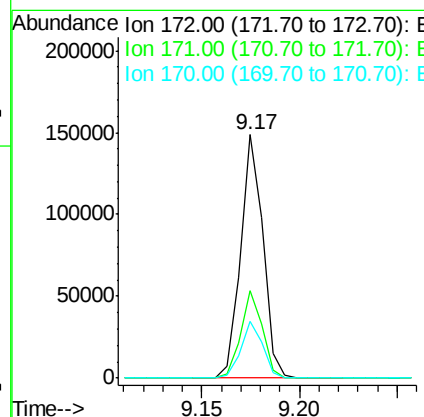
RT: 9.17 min Scan# 1205

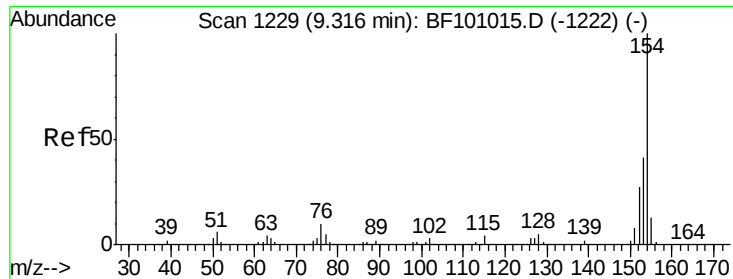
Delta R.T. -0.01 min

Lab File: BF101331.D

Acq: 12 Dec 2017 15:55

Tgt Ion:	172	Resp:	117951
Ion Ratio	Lower	Upper	
172	100		
171	36.0	29.7	44.5
170	23.5	19.6	29.4





#45

1,1'-Biphenyl

Concen: 2.940 ng

RT: 9.28 min Scan# 1223

Delta R.T. -0.01 min

Lab File: BF101331.D

Acq: 12 Dec 2017 15:55

Instrument :

BNA_F

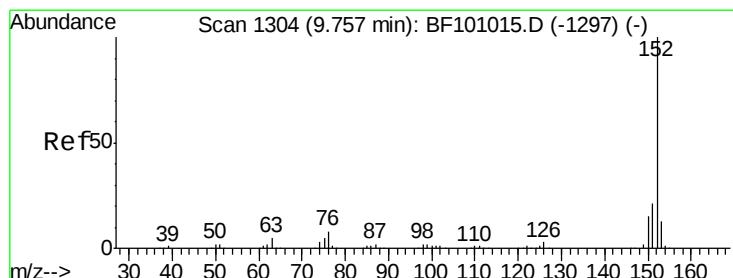
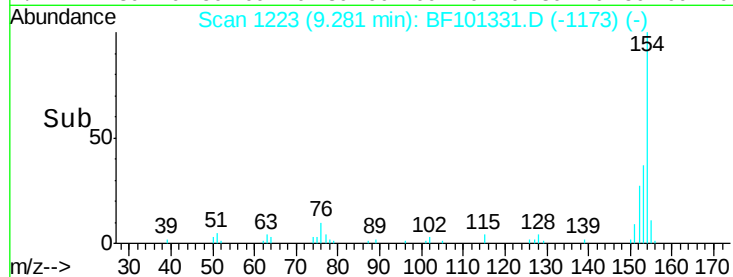
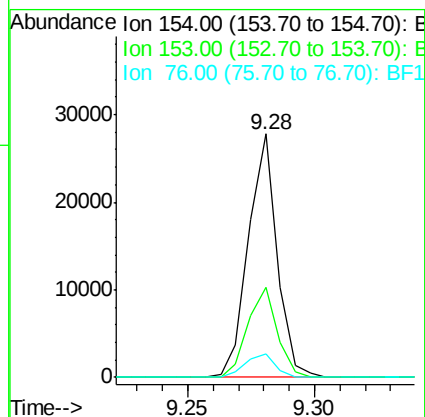
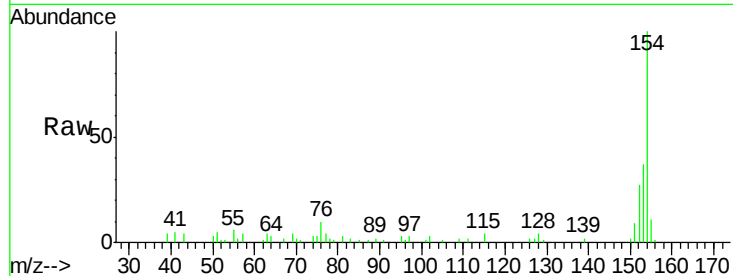
ClientSampleId :

SU-03-121117-A

Tot Ion:	154	Resp:	21856
Ion Ratio	Lower	Upper	
154	100		
153	37.2	21.3	61.3
76	9.7	0.0	34.0

Manual Integrations
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#48

Acenaphthylene

Concen: 6.253 ng

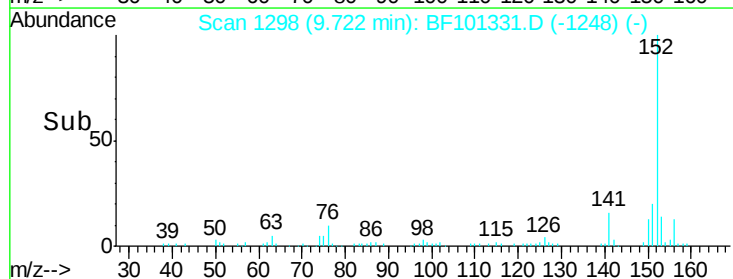
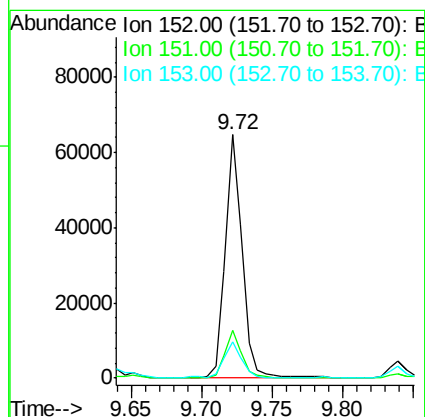
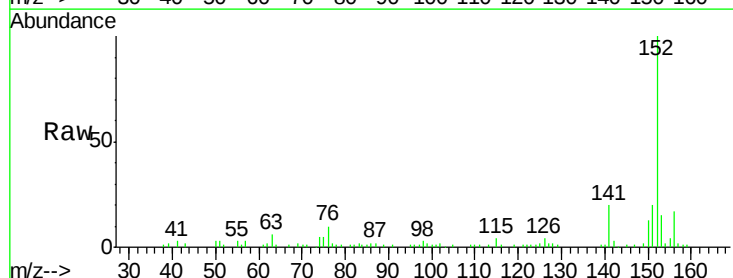
RT: 9.72 min Scan# 1298

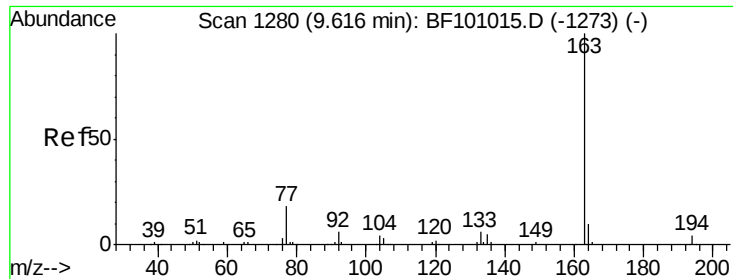
Delta R.T. -0.01 min

Lab File: BF101331.D

Acq: 12 Dec 2017 15:55

Tgt Ion:	152	Resp:	54256
Ion Ratio	Lower	Upper	
152	100		
151	19.8	16.3	24.5
153	14.9	10.7	16.1





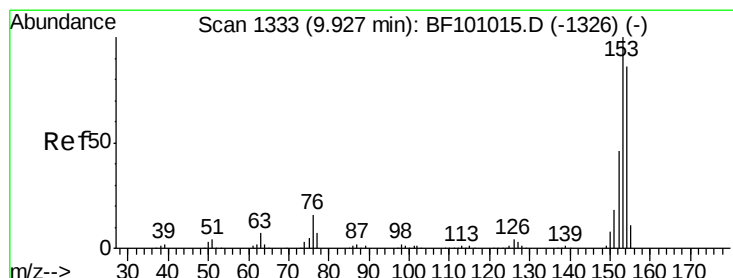
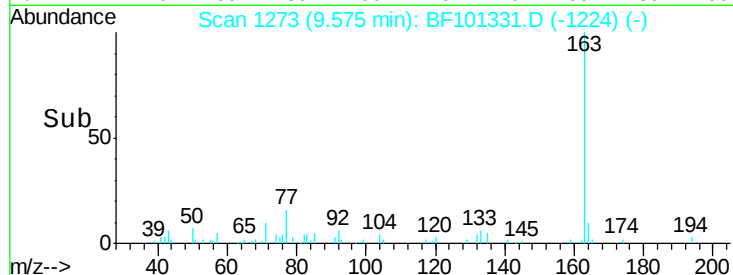
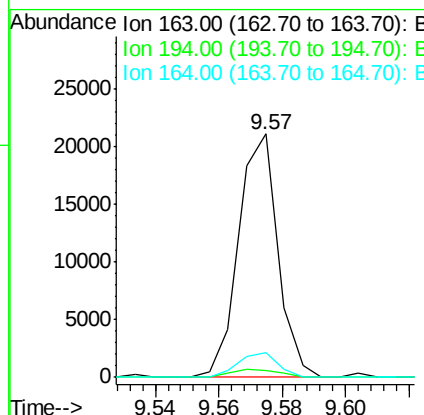
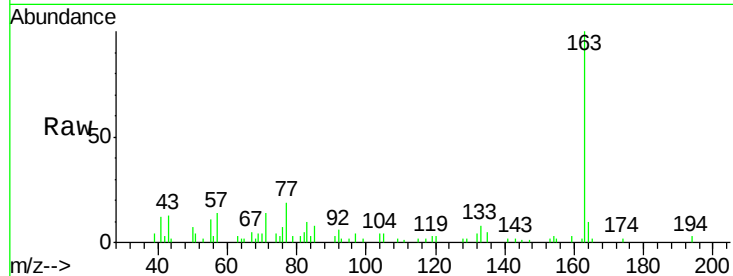
#49
Dimethylphthalate
Concen: 2.754 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.01 min
Lab File: BF101331.D
Acq: 12 Dec 2017 15:55

Instrument :
BNA_F
ClientSampleId :
SU-03-121117-A

Tot Ion:	163	Resp:	18025
Ion Ratio	Lower	Upper	
163	100		
194	2.9	2.7	4.1
164	10.3	8.2	12.2

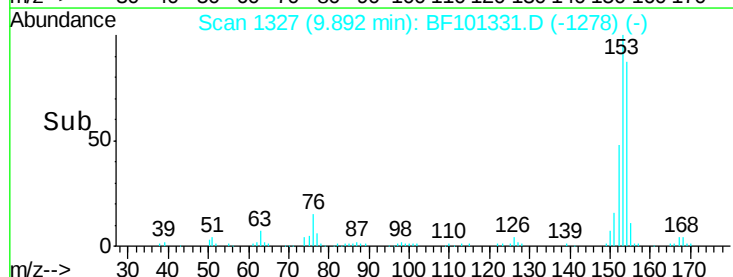
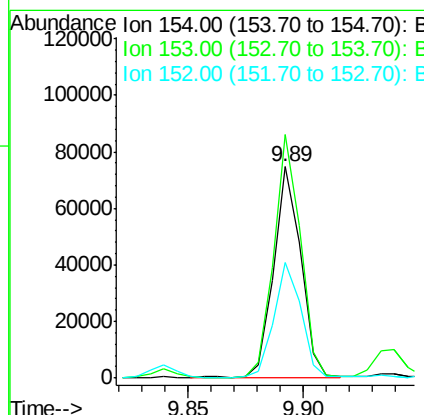
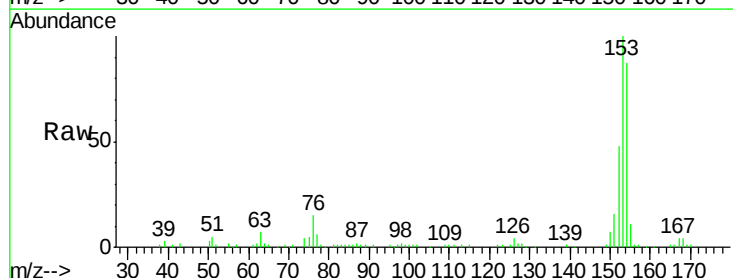
Manual Integrations
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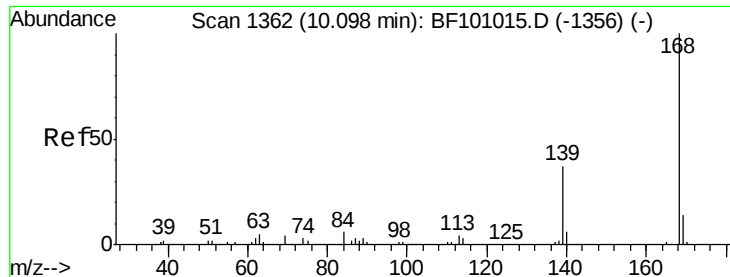
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#51
Acenaphthene
Concen: 11.793 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF101331.D
Acq: 12 Dec 2017 15:55

Tgt Ion:	154	Resp:	61275
Ion Ratio	Lower	Upper	
154	100		
153	115.3	91.2	136.8
152	54.8	43.8	65.8





#54

Dibenzenofuran

Concen: 15.129 ng

RT: 10.07 min Scan# 1357

Delta R.T. -0.01 min

Lab File: BF101331.D

Acq: 12 Dec 2017 15:55

Instrument :

BNA_F

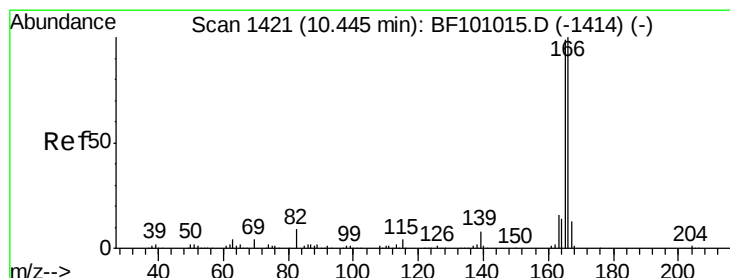
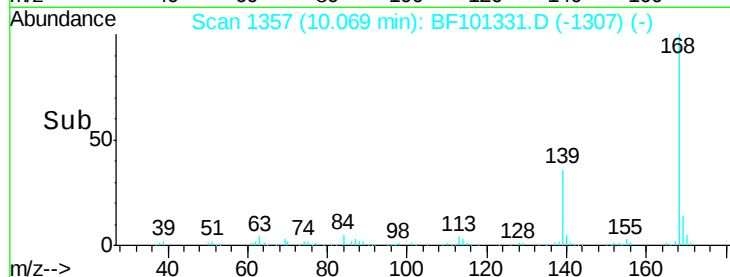
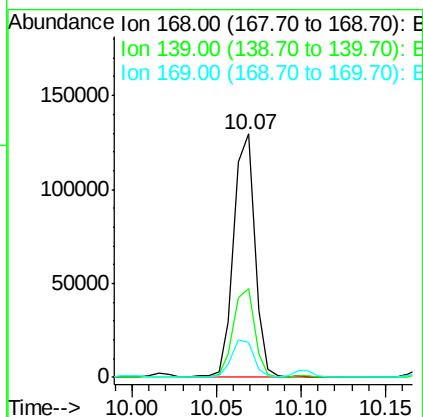
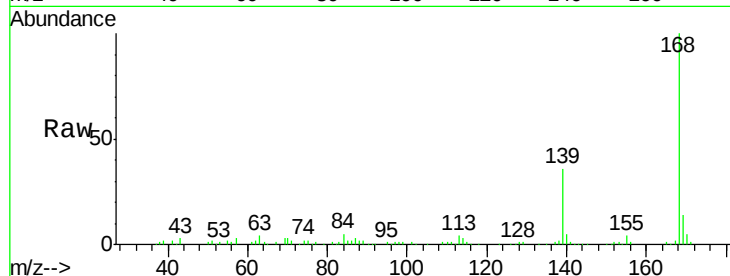
ClientSampleId :

SU-03-121117-A

Tot Ion:	168	Resp:	113279
Ion Ratio	Lower	Upper	
168	100		
139	36.4	30.1	45.1
169	14.2	10.9	16.3

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#57

Fluorene

Concen: 26.407 ng

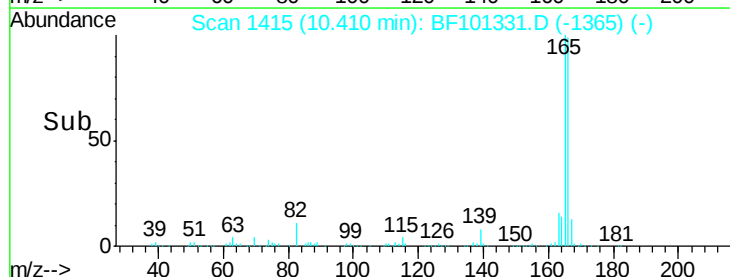
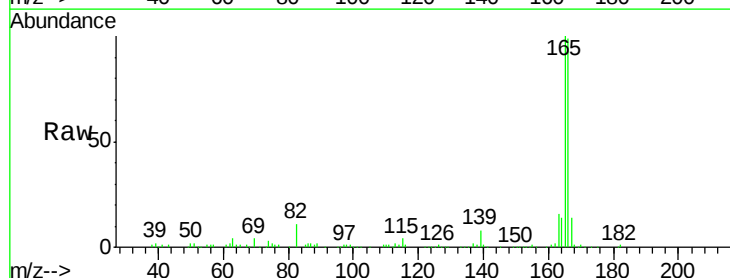
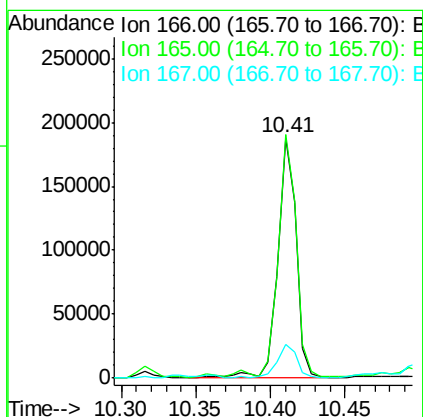
RT: 10.41 min Scan# 1415

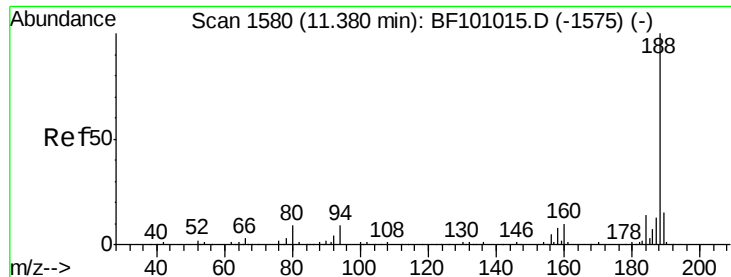
Delta R.T. -0.01 min

Lab File: BF101331.D

Acq: 12 Dec 2017 15:55

Tgt Ion:	166	Resp:	160728
Ion Ratio	Lower	Upper	
166	100		
165	101.5	79.8	119.8
167	13.9	10.6	16.0





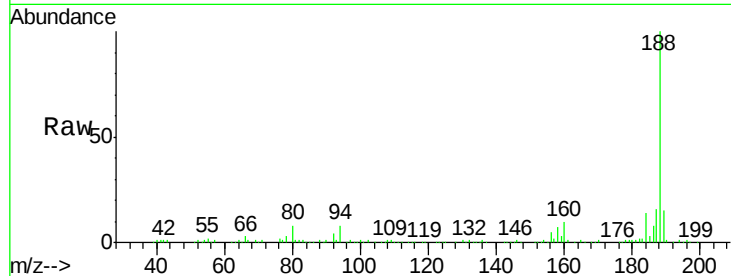
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.00 min
Lab File: BF101331.D
Acq: 12 Dec 2017 15:55

Instrument :
BNA_F
ClientSampleId :
SU-03-121117-A

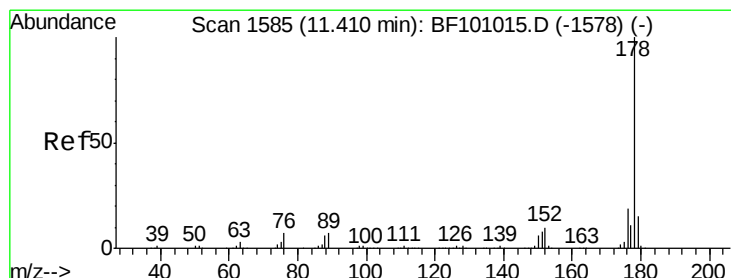
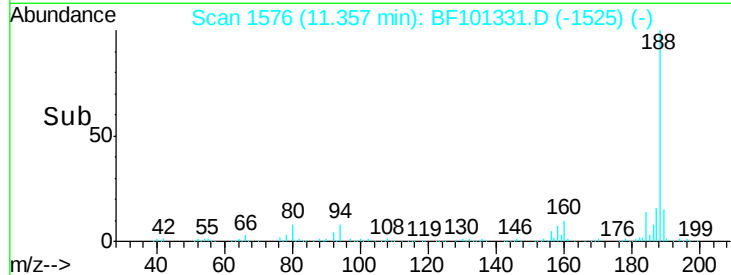
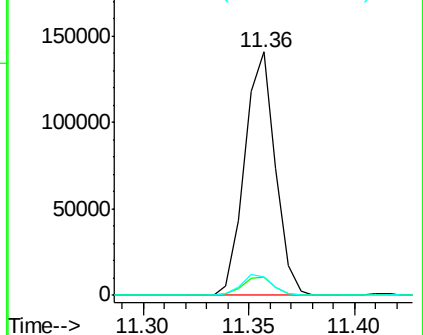
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.7	8.5	12.7#
80	7.7	9.2	13.8#

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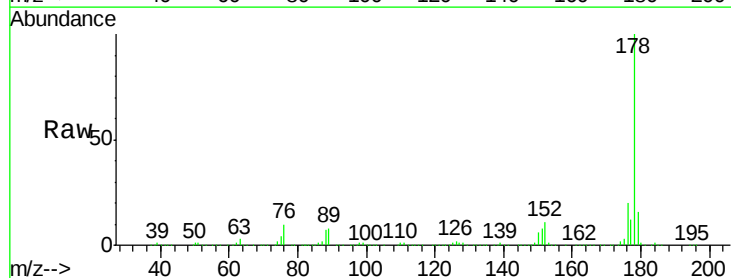


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

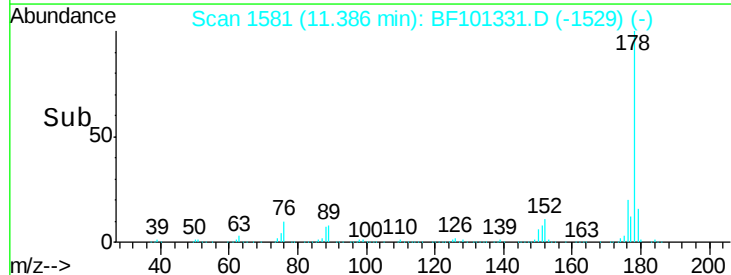
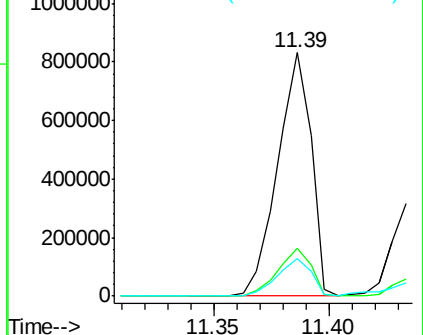


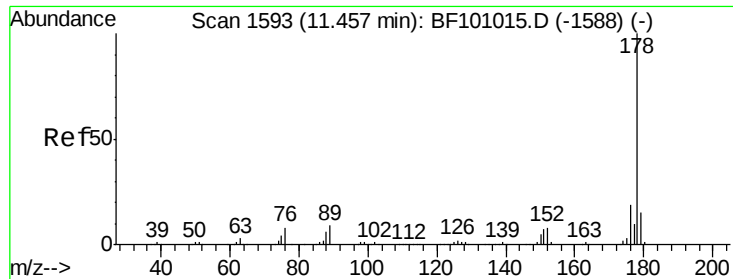
#70
Phenanthrene
Concen: 107.290 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BF101331.D
Acq: 12 Dec 2017 15:55

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.6	13.0	19.6



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





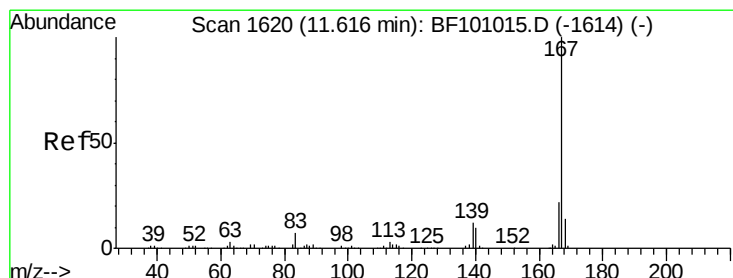
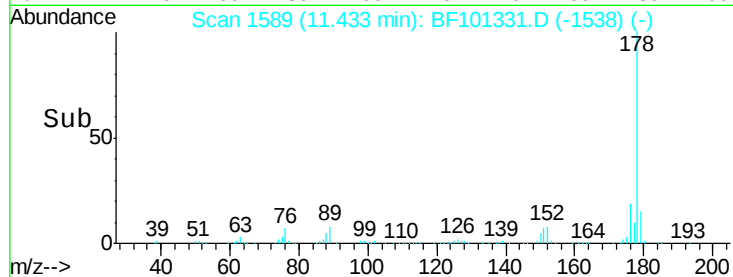
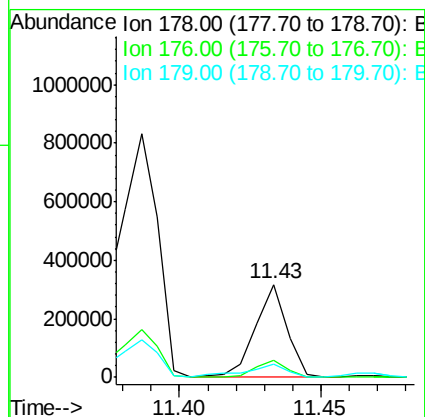
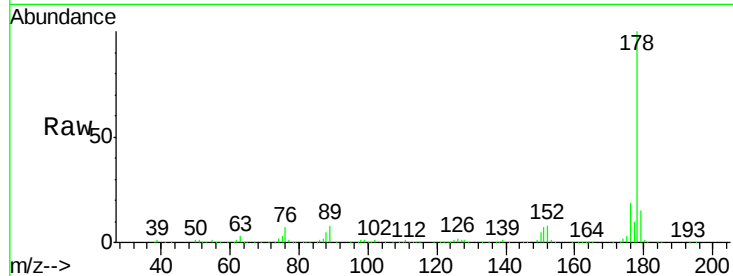
#71
 Anthracene
 Concen: 30.833 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: BF101331.D
 Acq: 12 Dec 2017 15:55

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-121117-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	14.9	12.6	19.0

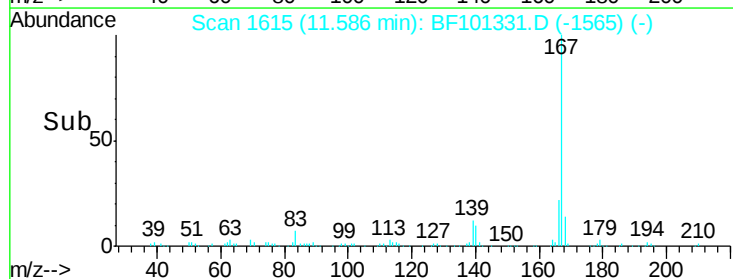
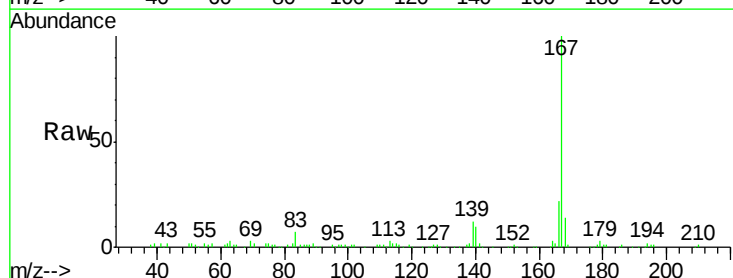
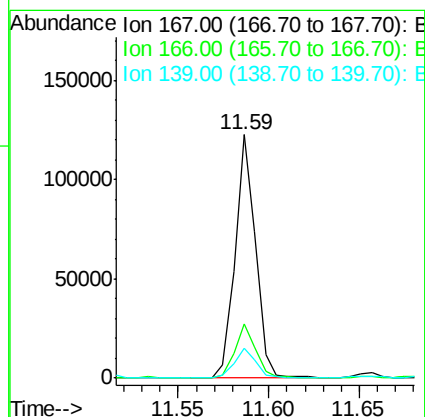
Manual Integrations
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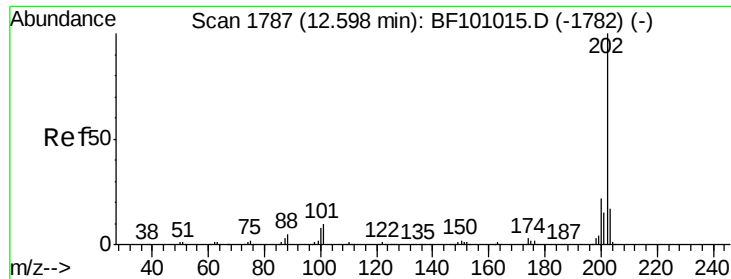
Sohil
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#72
 Carbazole
 Concen: 13.420 ng
 RT: 11.59 min Scan# 1615
 Delta R.T. -0.01 min
 Lab File: BF101331.D
 Acq: 12 Dec 2017 15:55

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.6	26.4
139	12.5	10.9	16.3





#74

Fluoranthene

Concen: 86.262 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF101331.D

Acq: 12 Dec 2017 15:55

Instrument :

BNA_F

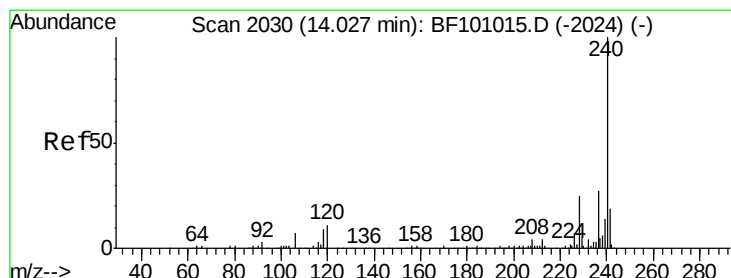
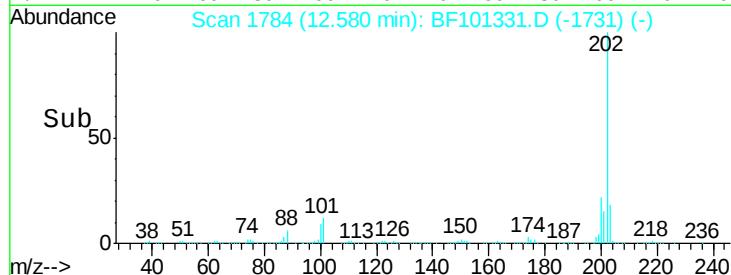
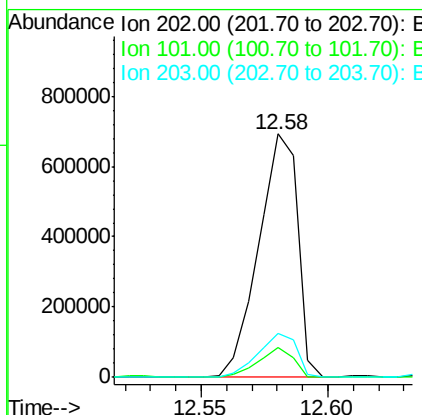
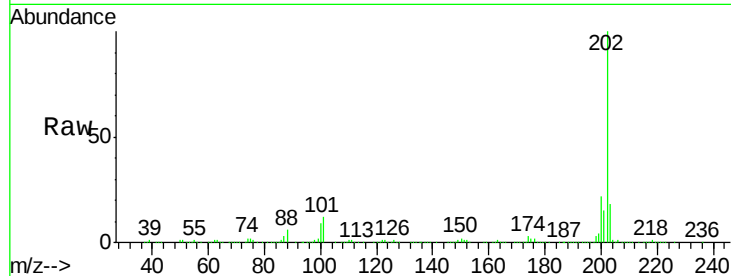
ClientSampleId :

SU-03-121117-A

Tot Ion:	202	Resp:	745717
Ion Ratio		Lower	Upper
202	100		
101	12.2	0.0	34.1
203	18.1	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

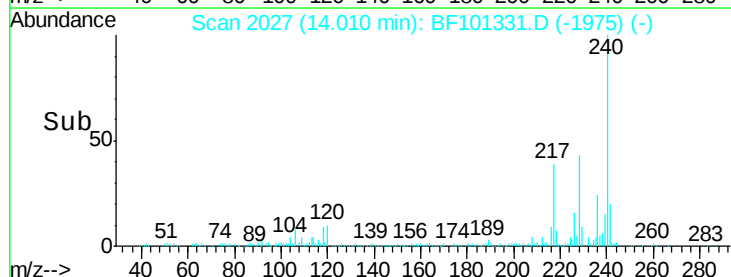
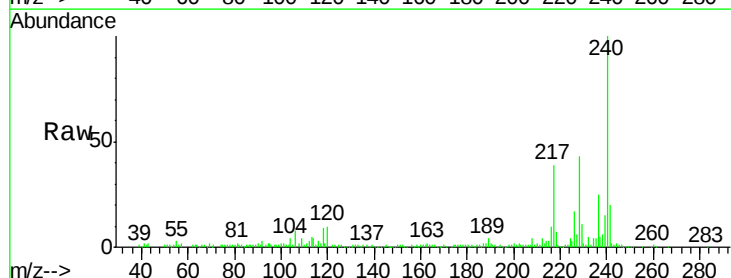
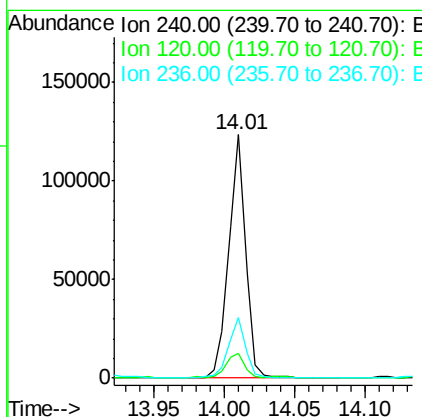
RT: 14.01 min Scan# 2027

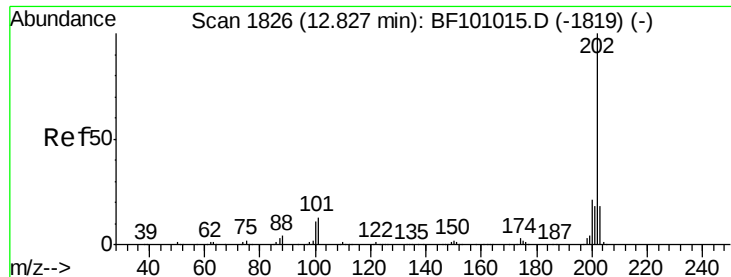
Delta R.T. 0.01 min

Lab File: BF101331.D

Acq: 12 Dec 2017 15:55

Tgt Ion:	240	Resp:	101754
Ion Ratio		Lower	Upper
240	100		
120	10.4	9.5	14.3
236	24.9	20.7	31.1





#77

Pvrene

Concen: 89.337 ng

RT: 12.81 min Scan# 1823

Delta R.T. 0.01 min

Lab File: BF101331.D

Acq: 12 Dec 2017 15:55

Instrument :

BNA_F

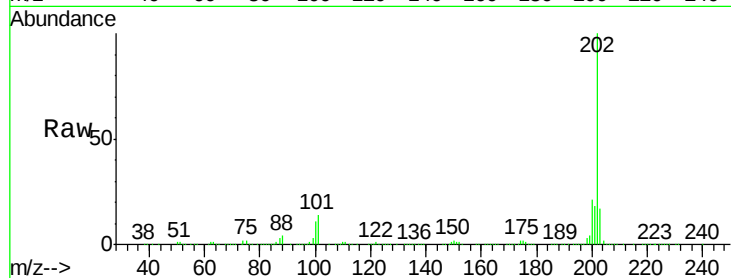
ClientSampleId :

SU-03-121117-A

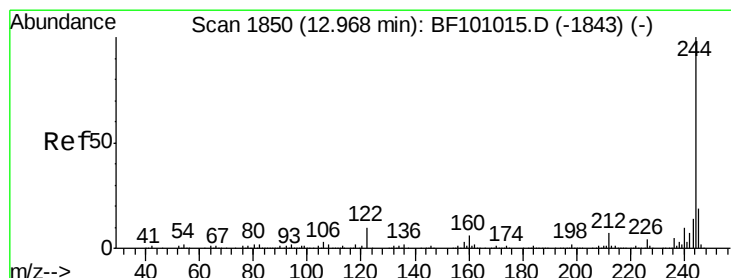
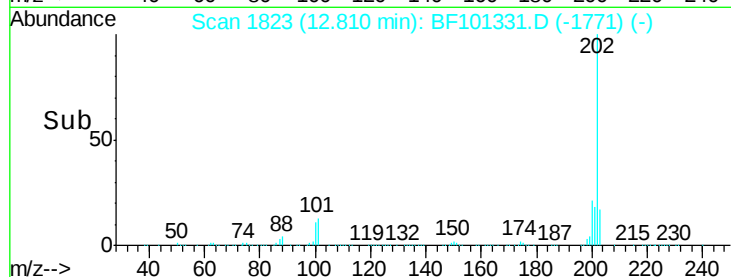
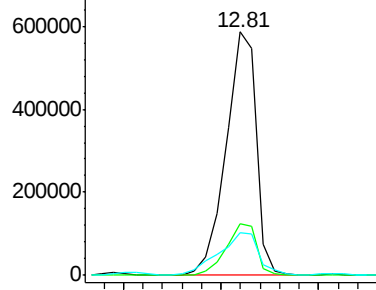
Tot Ion:	202	Resp:	627267
Ion Ratio		Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.4	14.3	21.5

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Abundance Ion 202.00 (201.70 to 202.70): E
800000
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 19.329 ng

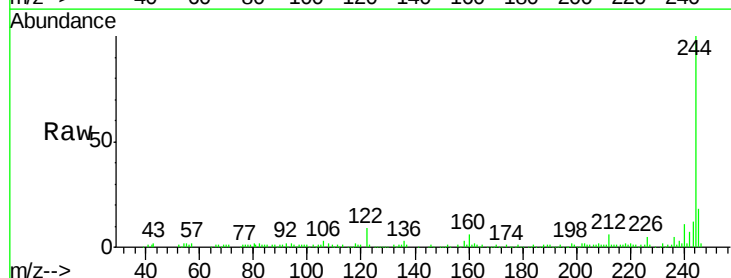
RT: 12.94 min Scan# 1845

Delta R.T. 0.00 min

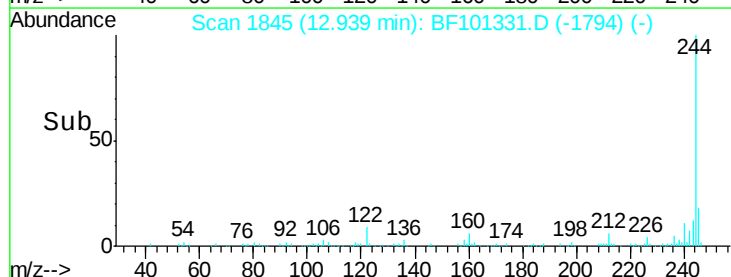
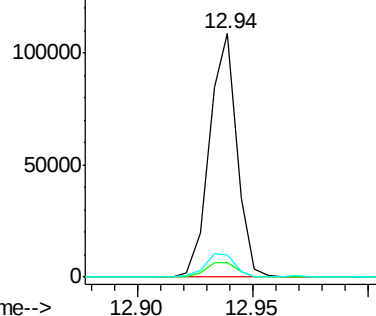
Lab File: BF101331.D

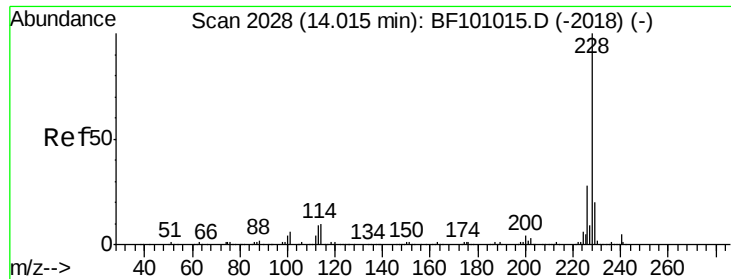
Acq: 12 Dec 2017 15:55

Tgt Ion:	244	Resp:	89919
Ion Ratio		Lower	Upper
244	100		
212	5.8	5.4	8.0
122	8.9	11.0	16.4#



Abundance Ion 244.00 (243.70 to 244.70): E
150000
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





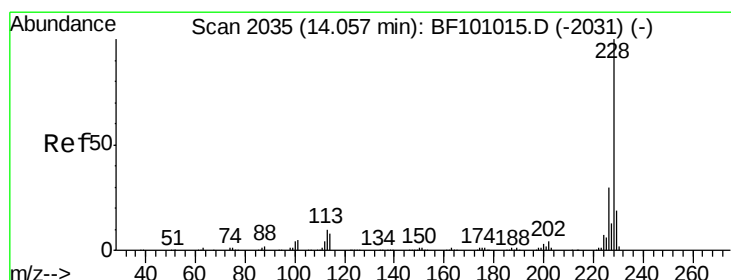
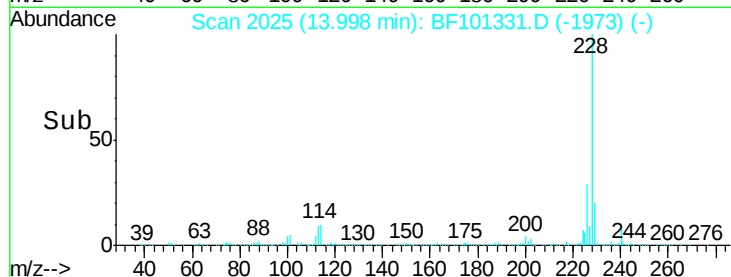
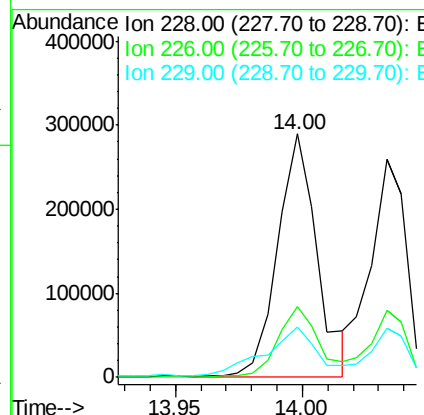
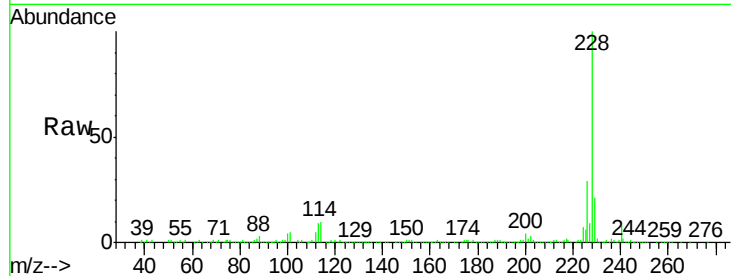
#80
Benzo(a)anthracene
Concen: 48.845 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF101331.D
Acq: 12 Dec 2017 15:55

Instrument :
BNA_F
ClientSampleId :
SU-03-121117-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.6	33.8
229	20.8	15.8	23.6

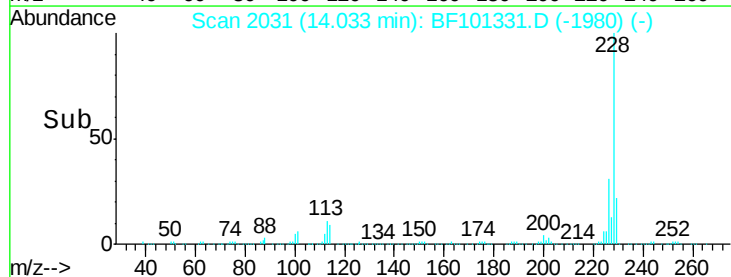
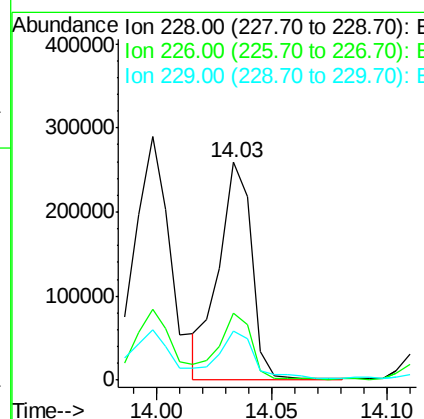
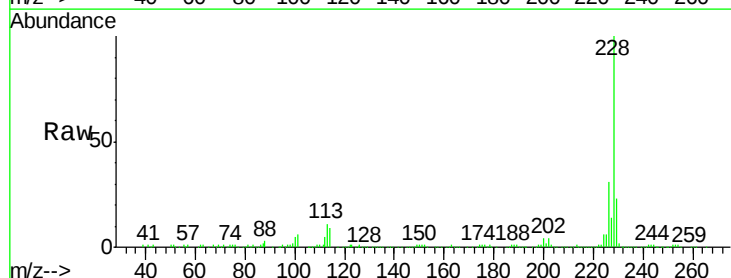
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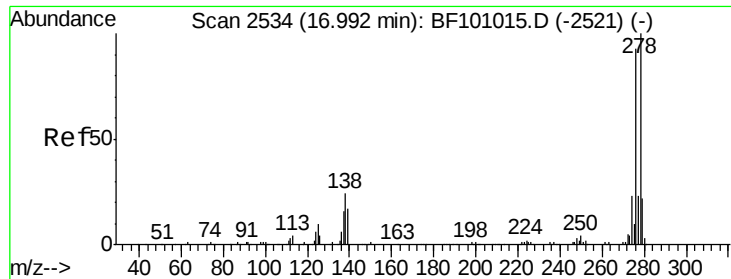
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#82
Chrysene
Concen: 42.410 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BF101331.D
Acq: 12 Dec 2017 15:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	22.8	16.2	24.4





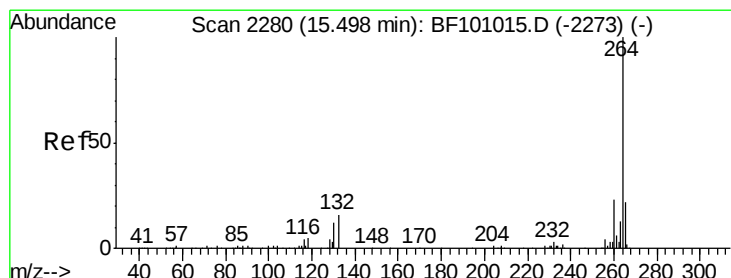
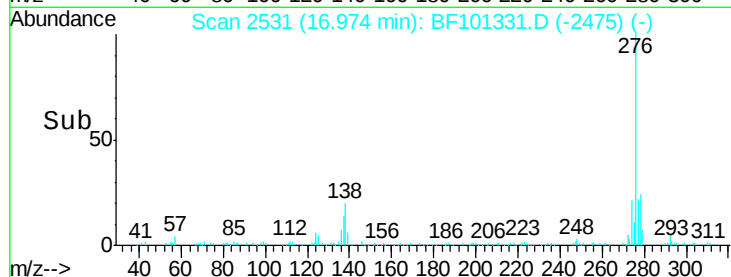
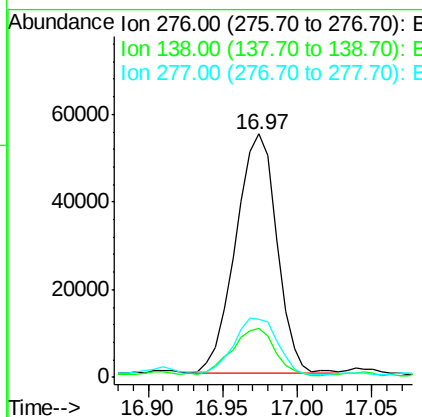
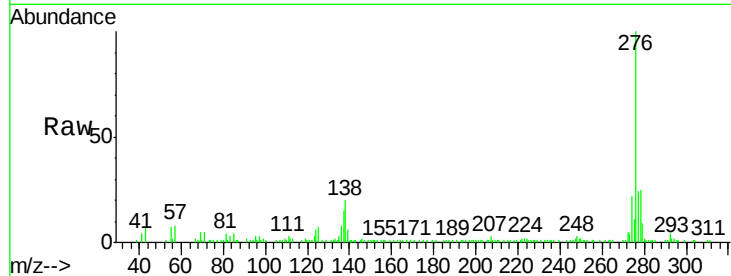
#85
Indeno(1,2,3-cd)pyrene
Concen: 19.727 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.03 min
Lab File: BF101331.D
Acq: 12 Dec 2017 15:55

Instrument :
BNA_F
ClientSampleId :
SU-03-121117-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.5	25.0	37.6#
277	25.3	20.1	30.1

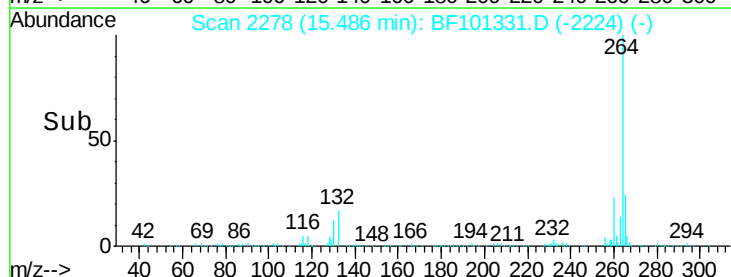
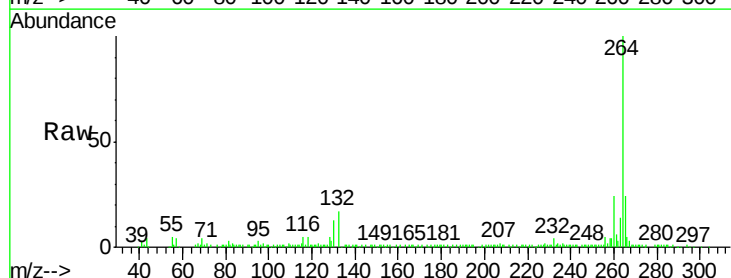
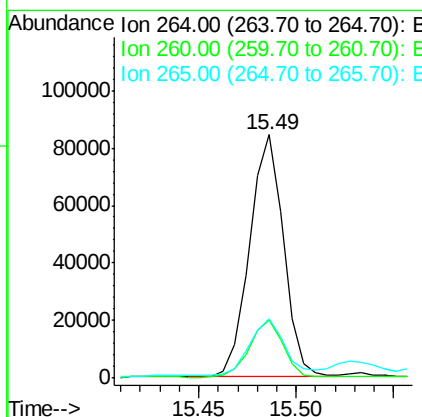
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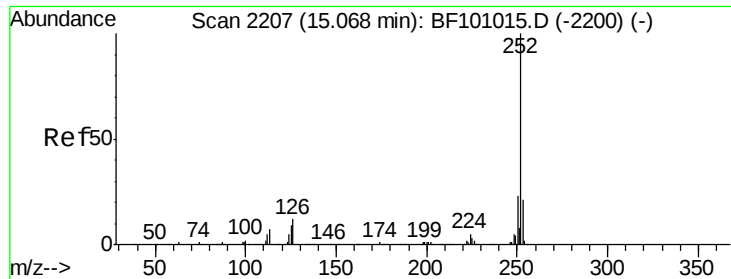
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.02 min
Lab File: BF101331.D
Acq: 12 Dec 2017 15:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	24.3	17.5	26.3





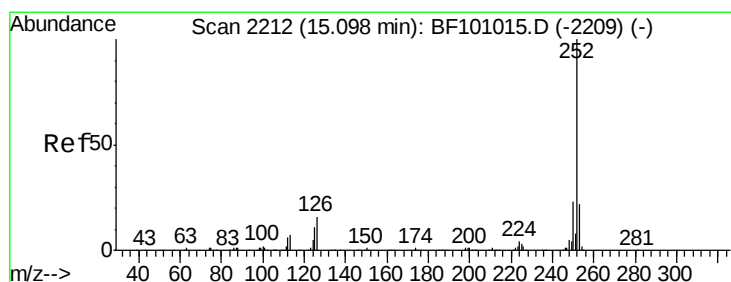
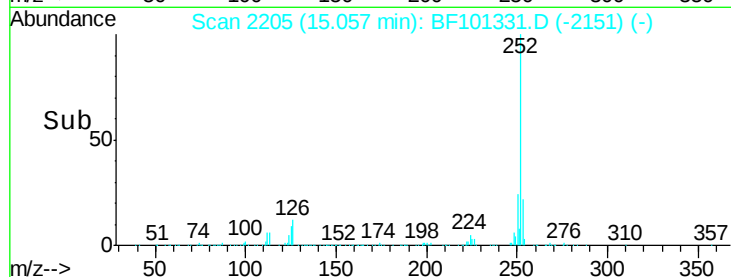
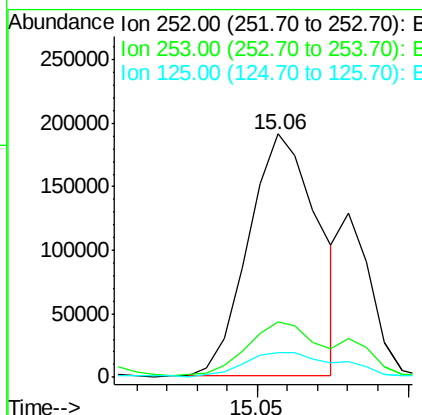
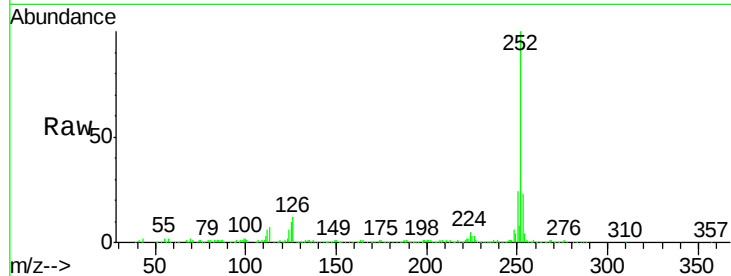
#87
Benzo(b)fluoranthene
Concen: 50.316 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.02 min
Lab File: BF101331.D
Acq: 12 Dec 2017 15:55

Instrument :
BNA_F
ClientSampleId :
SU-03-121117-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	10.1	9.0	13.6

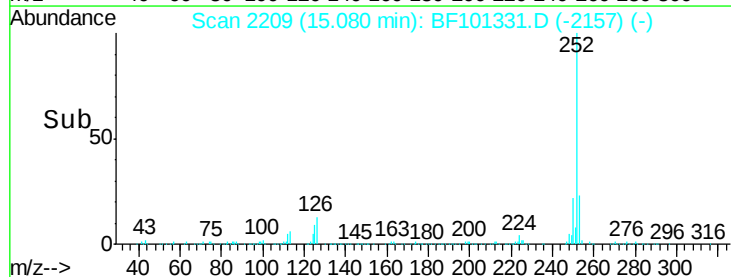
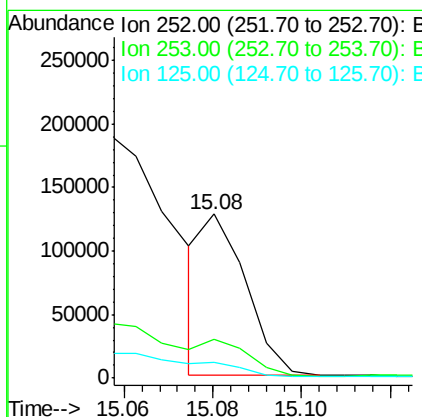
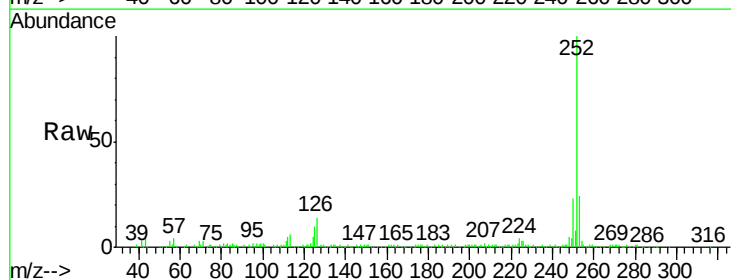
Manual Integrations
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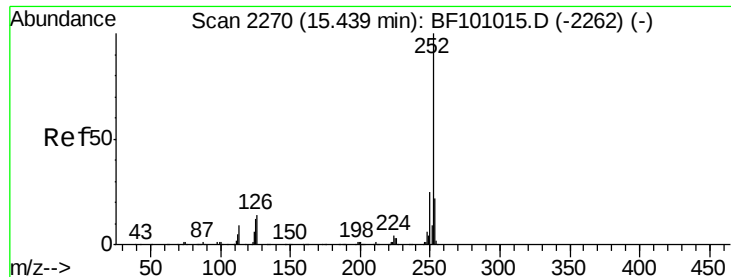
Sohil
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#88
Benzo(k)fluoranthene
Concen: 14.364 ng m
RT: 15.08 min Scan# 2209
Delta R.T. 0.01 min
Lab File: BF101331.D
Acq: 12 Dec 2017 15:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	9.7	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 39.134 ng

RT: 15.43 min Scan# 2268

Delta R.T. 0.02 min

Lab File: BF101331.D

Acq: 12 Dec 2017 15:55

Instrument :

BNA_F

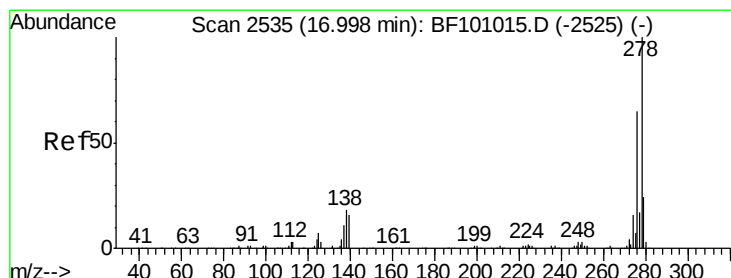
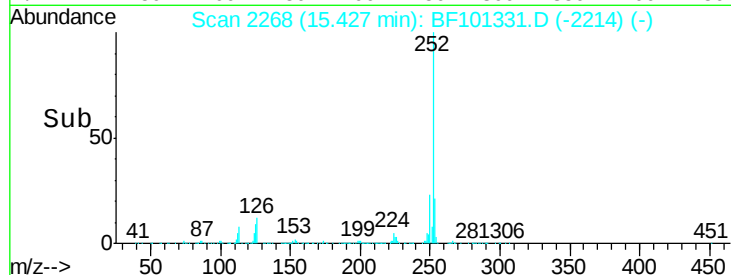
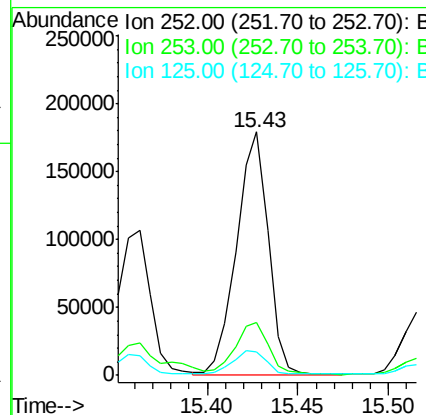
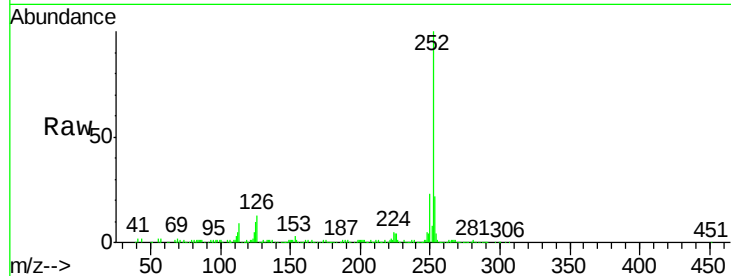
ClientSampleId :

SU-03-121117-A

Tot Ion:	252	Resp:	216413
Ion Ratio	Lower	Upper	
252	100		
253	21.5	17.1	25.7
125	9.8	9.8	14.6

Manual Integrations
APPROVED

Sohil
12/13/2017 12:07:32 PM



#90

Dibenzo(a,h)anthracene

Concen: 6.301 ng m

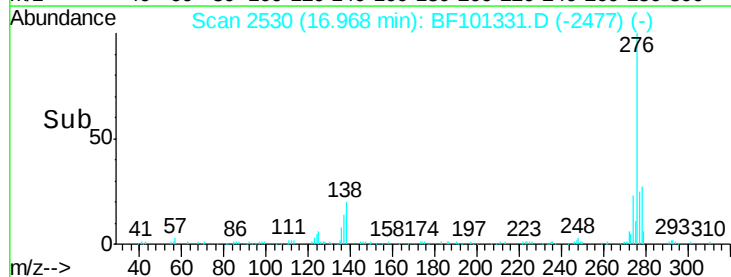
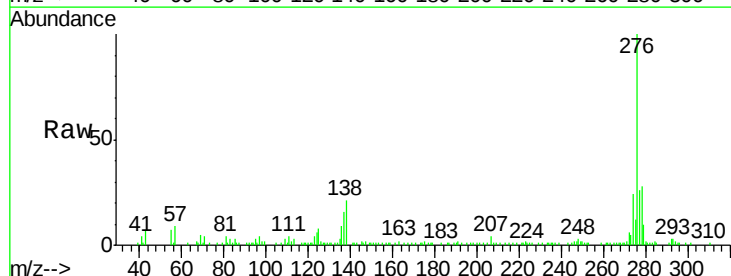
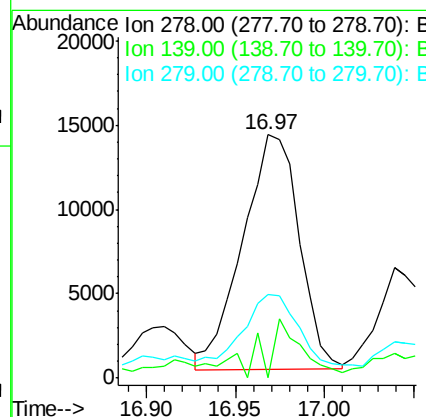
RT: 16.97 min Scan# 2530

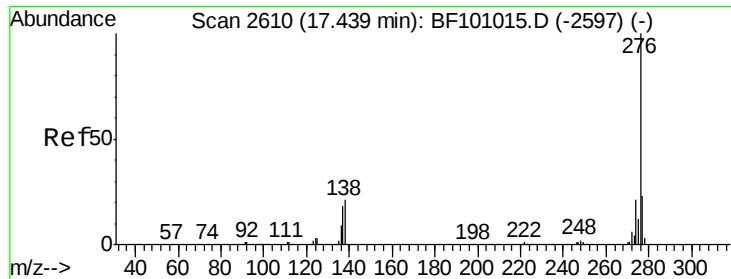
Delta R.T. 0.01 min

Lab File: BF101331.D

Acq: 12 Dec 2017 15:55

Tgt Ion:	278	Resp:	30721
Ion Ratio	Lower	Upper	
278	100		
139	0.0	15.9	23.9#
279	34.3	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 21.094 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. 0.04 min
 Lab File: BF101331.D
 Acq: 12 Dec 2017 15:55

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-121117-A

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.1	17.9	26.9
138	21.7	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 12/13/2017 12:07:32 PM

