

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
 Data File : BF102736.D
 Acq On : 5 Feb 2018 14:28
 Operator : SJ/JU
 Sample : J1399-01 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-020218-A

Manual Integrations
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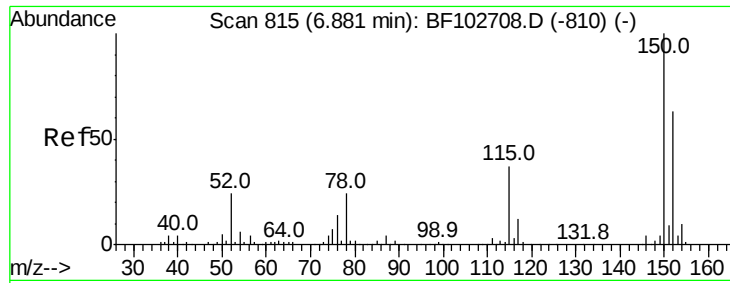
Quant Time: Feb 05 16:43:37 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	220240	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	878574	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	379245	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	553744	20.00	ng	0.00
75) Chrysene-d12	14.04	240	363814	20.00	ng	0.00
86) Perylene-d12	15.53	264	350839	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	774760	53.42	ng	0.00
7) Phenol-d6	6.50	99	904895	51.82	ng	0.00
23) Nitrobenzene-d5	7.44	82	548053	43.27	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	165336	54.16	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	909660	39.80	ng	0.00
78) Terphenyl-d14	12.99	244	601469	39.14	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.51	94	41339	2.209	ng	97
31) Naphthalene	8.19	128	222422	5.182	ng	97
37) 2-Methylnaphthalene	8.87	142	122935	4.374	ng	99
48) Acenaphthylene	9.78	152	95861	2.454	ng	99
49) Dimethylphthalate	9.63	163	102515	3.467	ng	# 98
51) Acenaphthene	9.95	154	127897	5.475	ng	99
54) Dibenzofuran	10.12	168	136906	4.159	ng	95
57) Fluorene	10.46	166	213333	8.907	ng	98
70) Phenanthrene	11.43	178	1015647	32.933	ng	99
71) Anthracene	11.48	178	331100	10.556	ng	99
72) Carbazole	11.63	167	108400	3.528	ng	99
74) Fluoranthene	12.62	202	923034	29.748	ng	99
77) Pvrene	12.86	202	877710	30.766	ng	99
80) Benzo(a)anthracene	14.03	228	403555	17.638	ng	94
82) Chrysene	14.07	228	378232	16.399	ng	97
85) Indeno(1,2,3-cd)pyrene	17.01	276	156447	8.178	ng	94
87) Benzo(b)fluoranthene	15.09	252	454610m	19.986	ng	
88) Benzo(k)fluoranthene	15.12	252	126295m	5.811	ng	
89) Benzo(a)pvrene	15.46	252	331887	16.210	ng	95
90) Dibenzo(a,h)anthracene	17.02	278	39820	2.396	ng	# 77
91) Benzo(g,h,i)perylene	17.46	276	154981	9.528	ng	97

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



#1

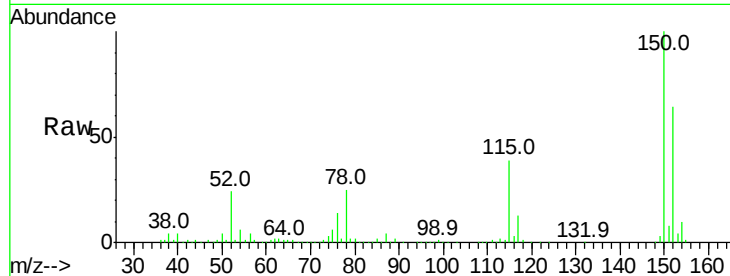
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102736.D
Acq: 5 Feb 2018 14:28

Instrument :
BNA_F
ClientSampleId :
OR-01-020218-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.6	186.8
115	61.2	50.1	75.1

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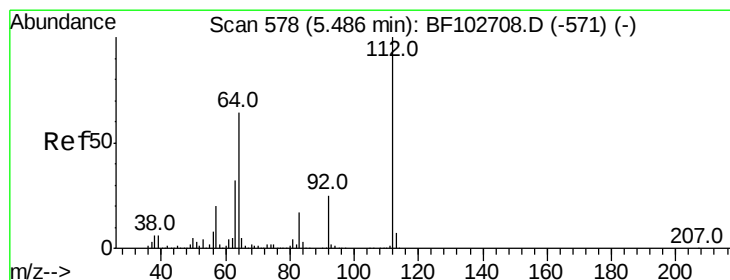
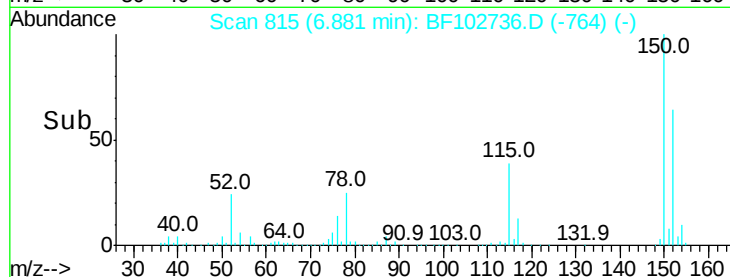
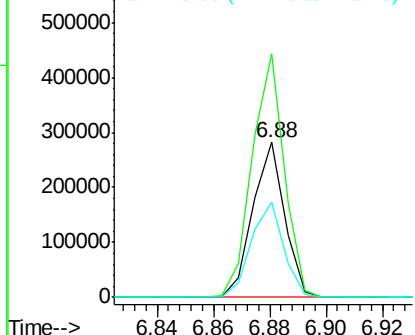


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

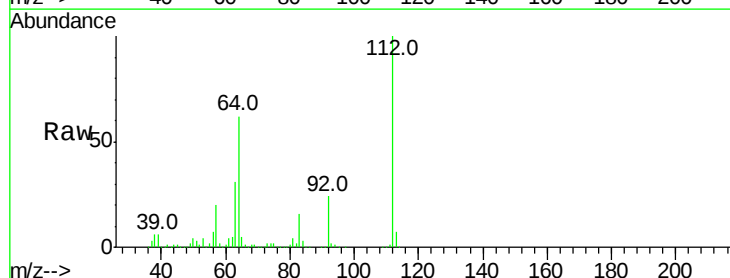
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 53.424 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF102736.D
Acq: 5 Feb 2018 14:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	47.9	71.9
63	30.8	23.7	35.5

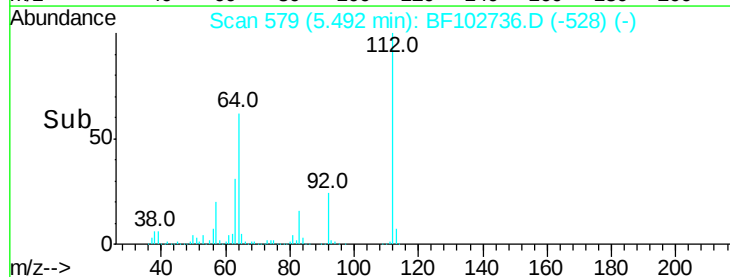
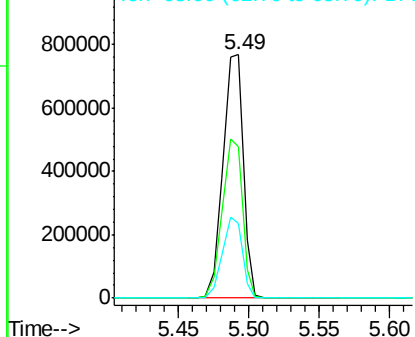


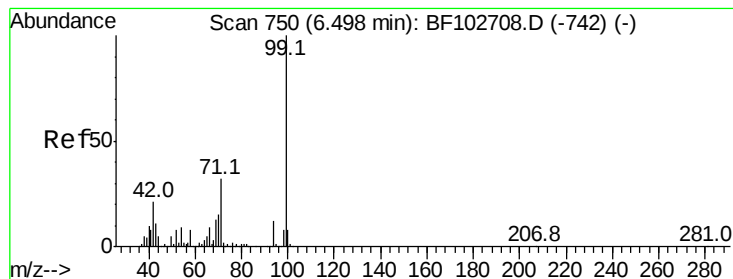
Abundance

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





#7

Phenol-d6

Concen: 51.822 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

Instrument :

BNA_F

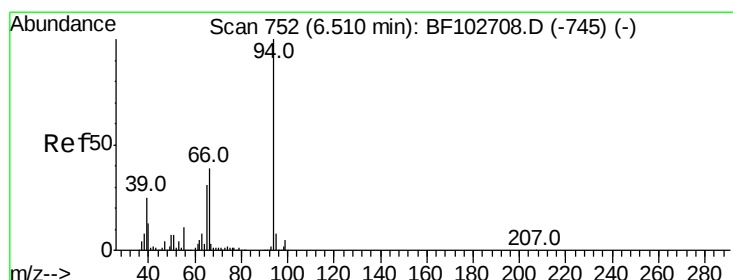
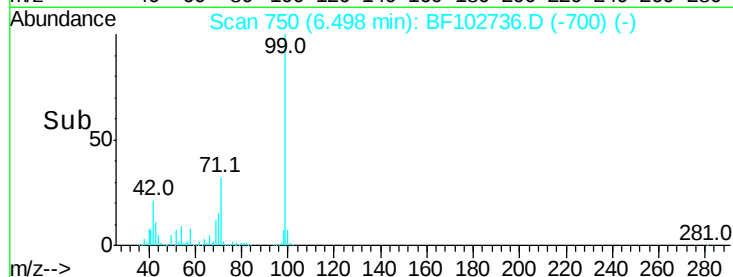
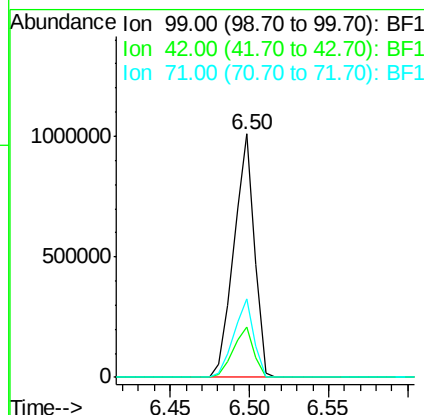
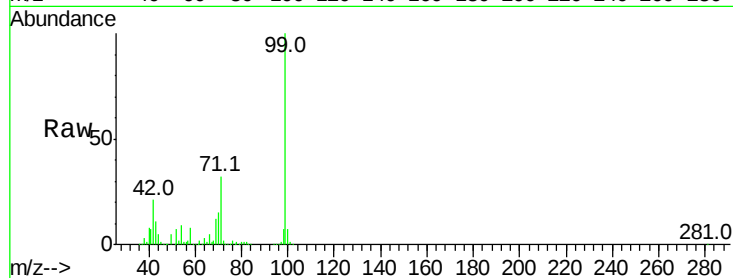
ClientSampleId :

OR-01-020218-A

Tot Ion:	99	Resp:	904895
Ion Ratio	Lower	Upper	
99	100		
42	20.7	14.5	21.7
71	32.1	25.4	38.0

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#10

Phenol

Concen: 2.209 ng

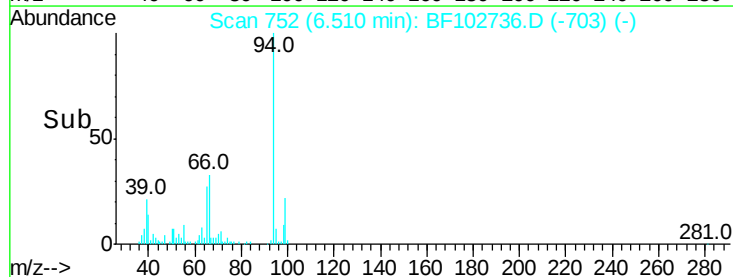
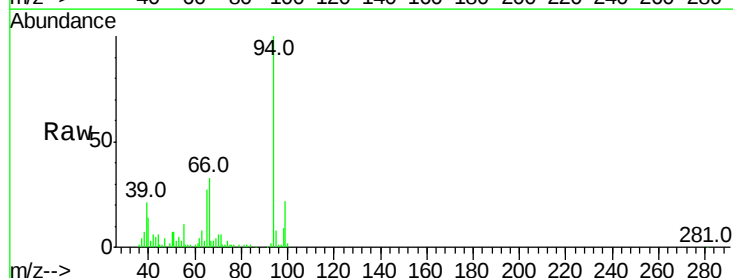
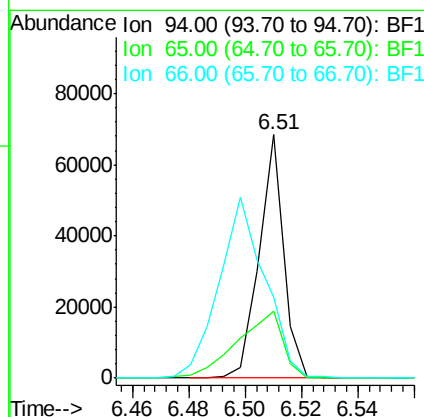
RT: 6.51 min Scan# 752

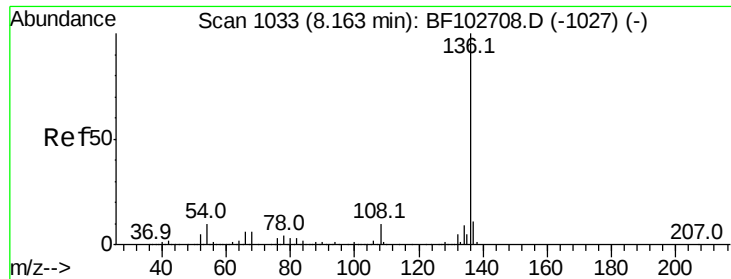
Delta R.T. -0.01 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

Tgt Ion:	94	Resp:	41339
Ion Ratio	Lower	Upper	
94	100		
65	27.3	7.9	47.9
66	33.1	16.2	56.2





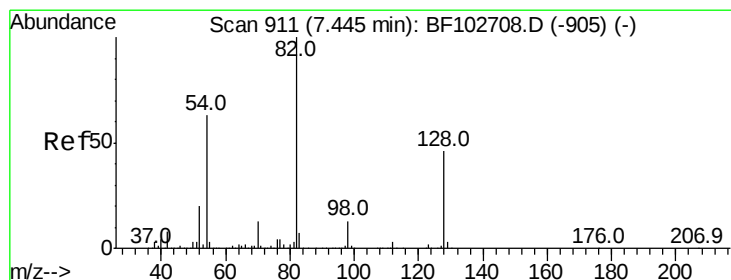
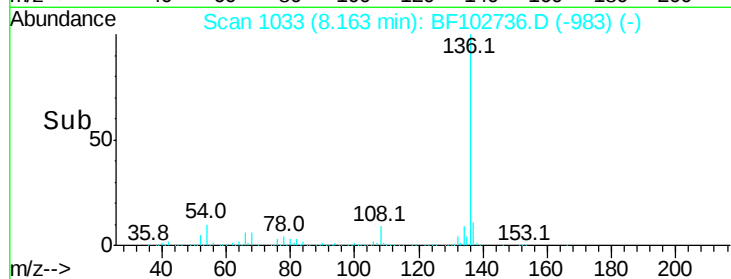
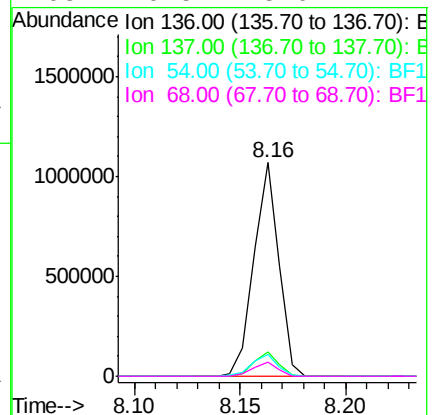
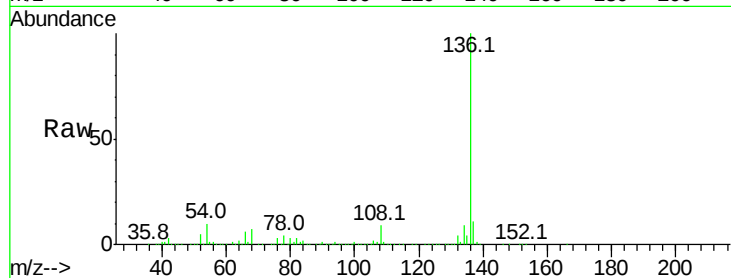
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF102736.D
Acq: 5 Feb 2018 14:28

Instrument :
BNA_F
ClientSampleId :
OR-01-020218-A

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.3	8.9	13.3
54	9.9	6.6	9.8#
68	6.5	5.0	7.4

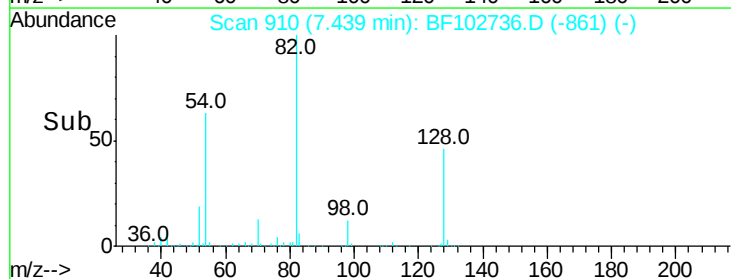
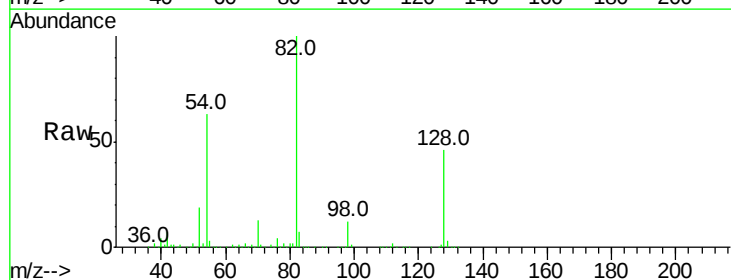
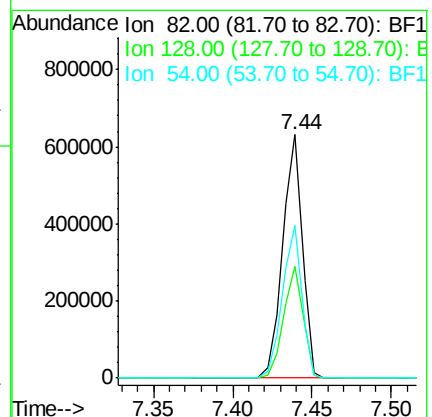
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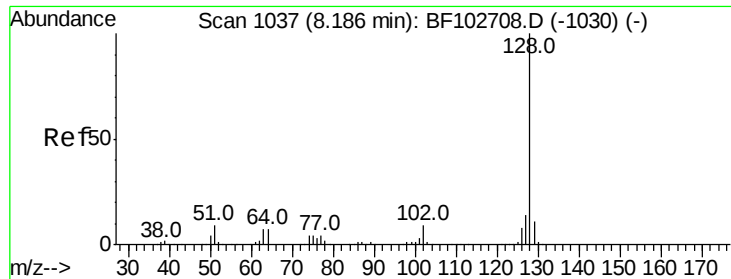
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#23
Nitrobenzene-d5
Concen: 43.273 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF102736.D
Acq: 5 Feb 2018 14:28

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	46.2	36.1	54.1
54	62.7	41.4	62.2#





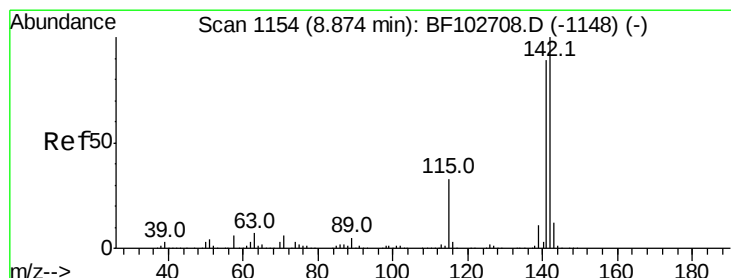
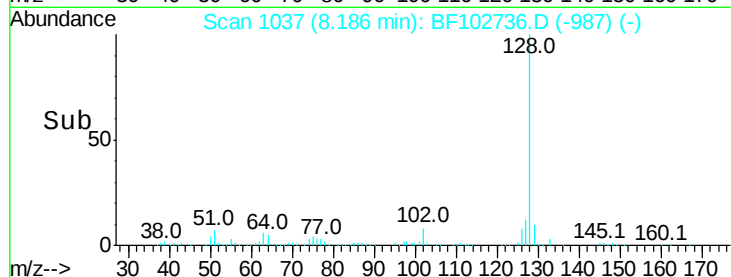
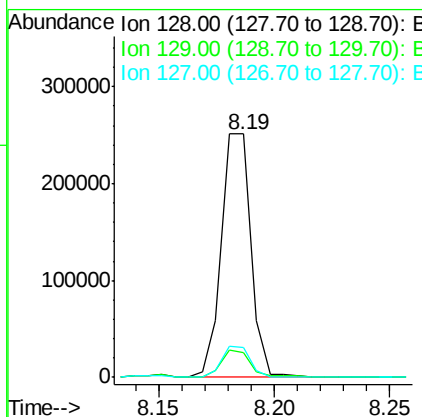
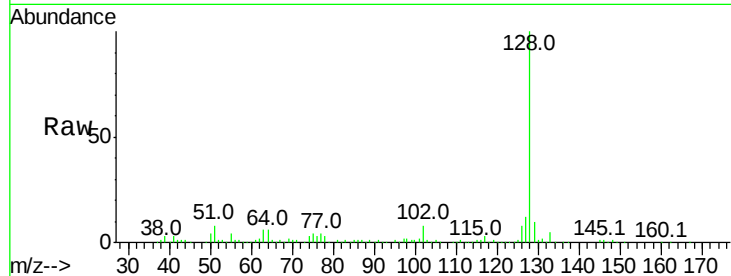
#31
Naphthalene
Concen: 5.182 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF102736.D
Acq: 5 Feb 2018 14:28

Instrument :
BNA_F
ClientSampleId :
OR-01-020218-A

Tot Ion	Ratio	Resp	Lower	Upper
128	100	222422		
129	10.0		8.8	13.2
127	12.4		10.9	16.3

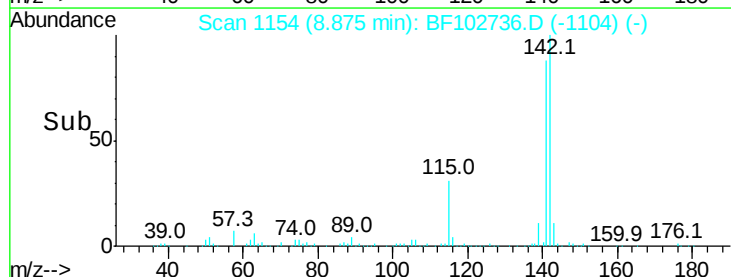
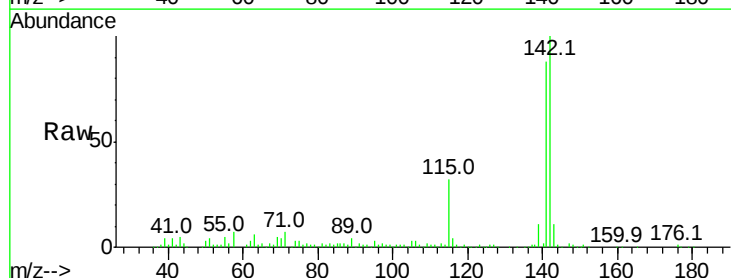
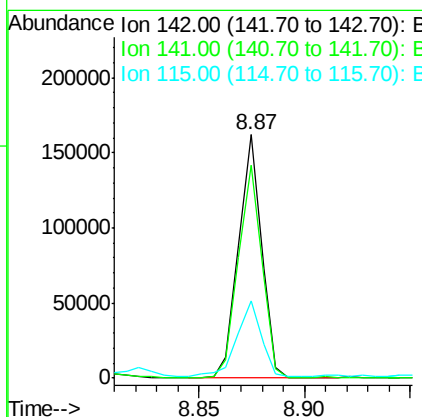
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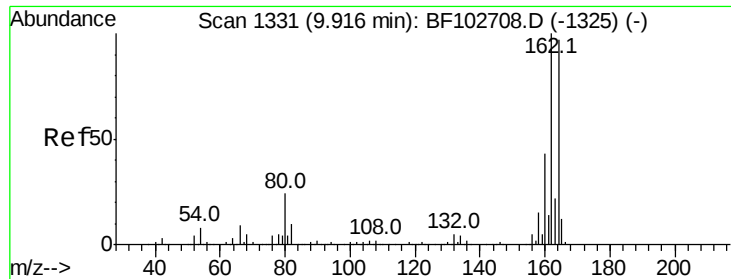
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#37
2-Methylnaphthalene
Concen: 4.374 ng
RT: 8.87 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BF102736.D
Acq: 5 Feb 2018 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	122935		
141	87.5		70.8	106.2
115	31.6		26.1	39.1





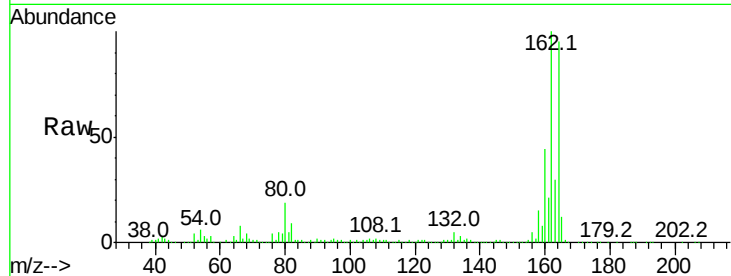
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: BF102736.D
 Acq: 5 Feb 2018 14:28

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-020218-A

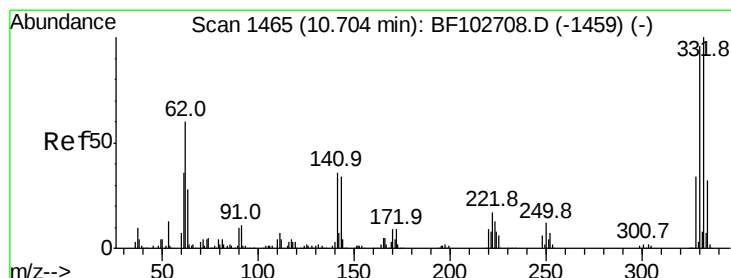
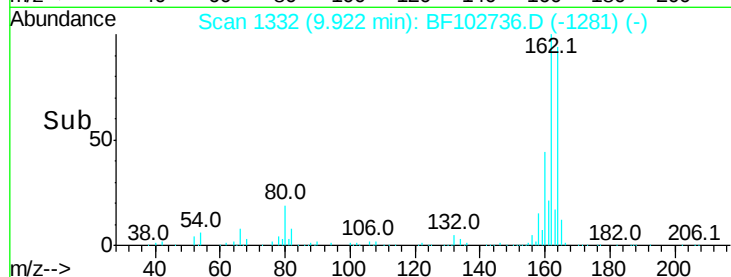
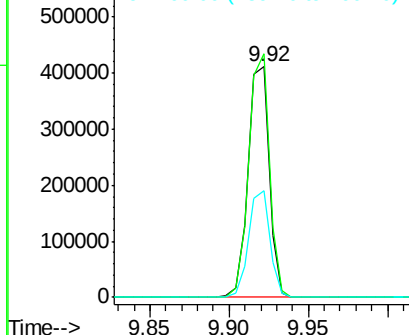
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.6	86.1	129.1	
160	46.1	38.3	57.5	

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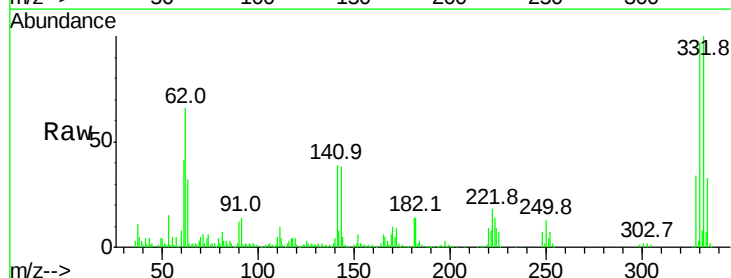


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

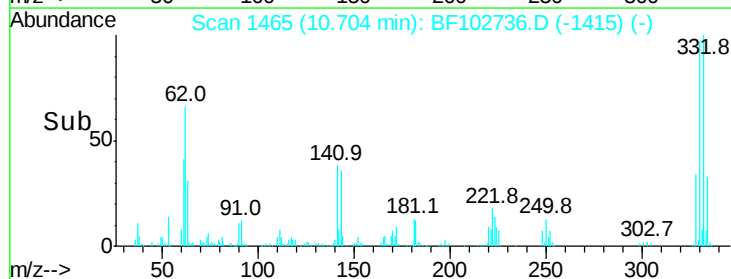
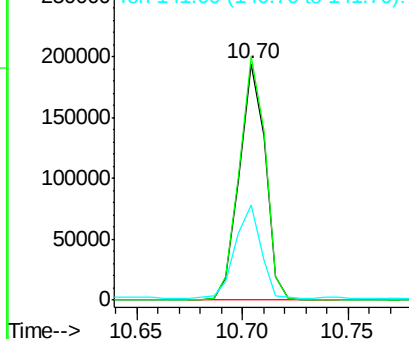


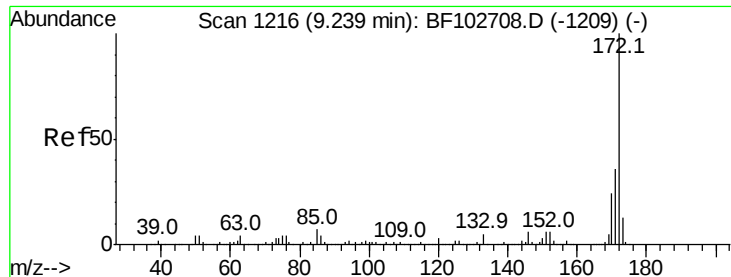
#41
 2,4,6-Tribromophenol
 Concen: 54.164 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF102736.D
 Acq: 5 Feb 2018 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	103.3	77.0	115.6	
141	39.3	29.9	44.9	



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 39.801 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

Instrument :

BNA_F

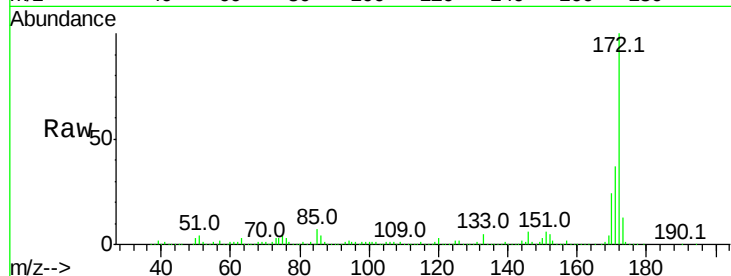
ClientSampleId :

OR-01-020218-A

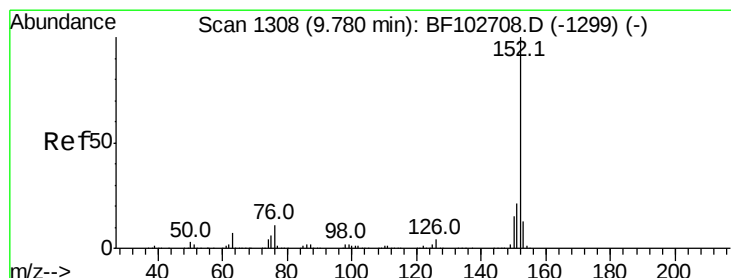
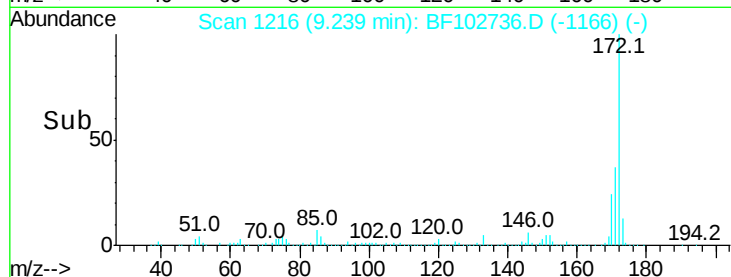
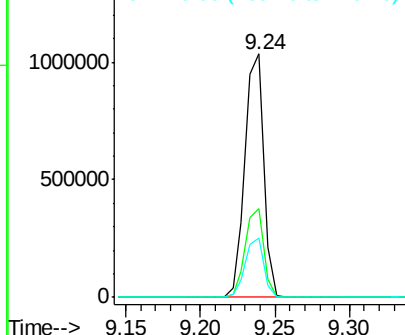
Tot Ion:	172	Resp:	909660
Ion Ratio	Lower	Upper	
172	100		
171	36.7	29.7	44.5
170	24.5	19.6	29.4

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Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



#48

Acenaphthylene

Concen: 2.454 ng

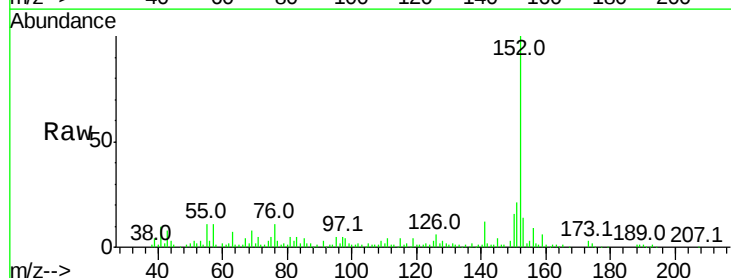
RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

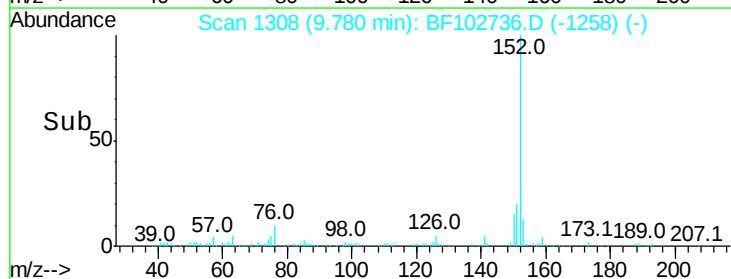
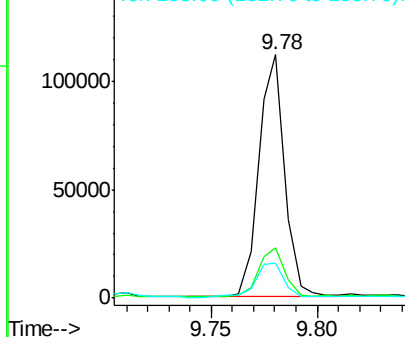
Lab File: BF102736.D

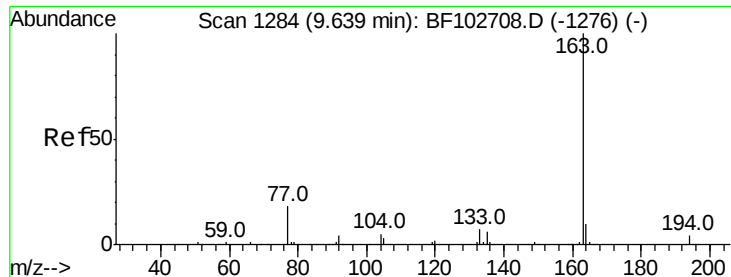
Acq: 5 Feb 2018 14:28

Tgt Ion:	152	Resp:	95861
Ion Ratio	Lower	Upper	
152	100		
151	20.9	16.3	24.5
153	14.2	10.7	16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





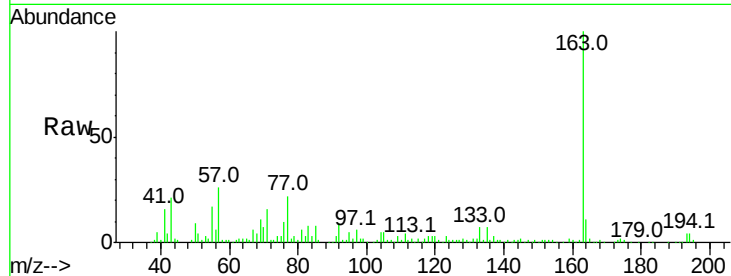
#49
Dimethylphthalate
Concen: 3.467 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF102736.D
Acq: 5 Feb 2018 14:28

Instrument :
BNA_F
ClientSampleId :
OR-01-020218-A

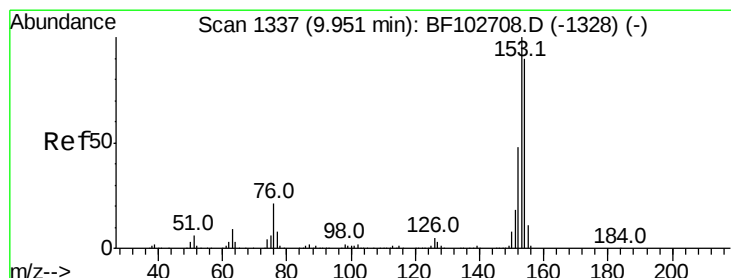
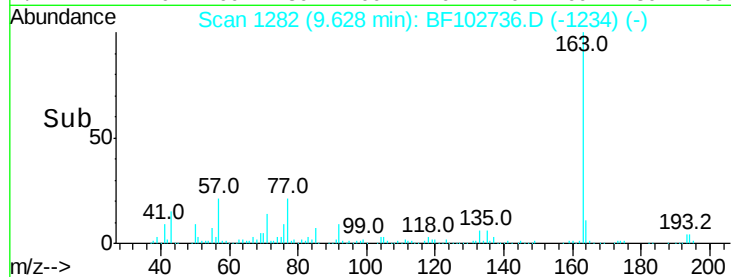
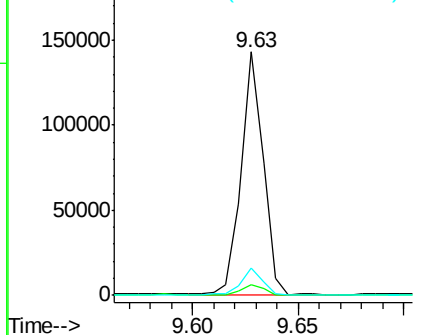
Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	4.5	2.7	4.1#
164	11.0	8.2	12.2

Manual Integrations
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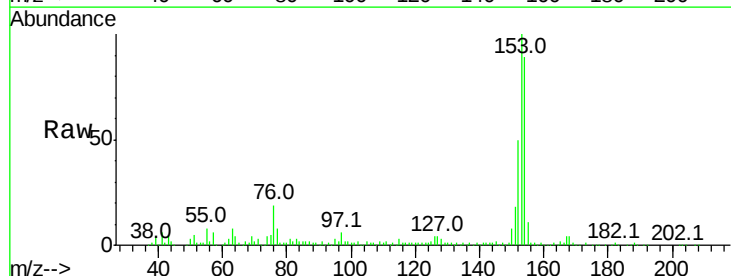


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

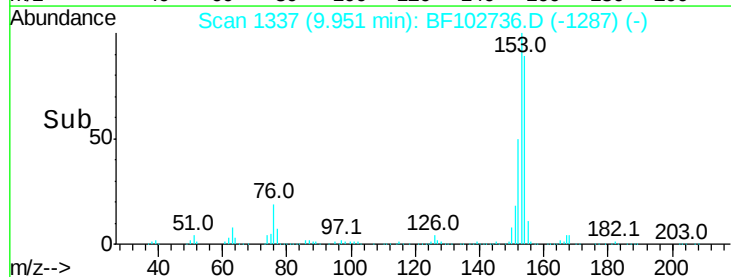
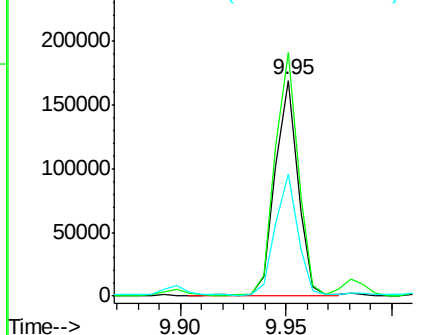


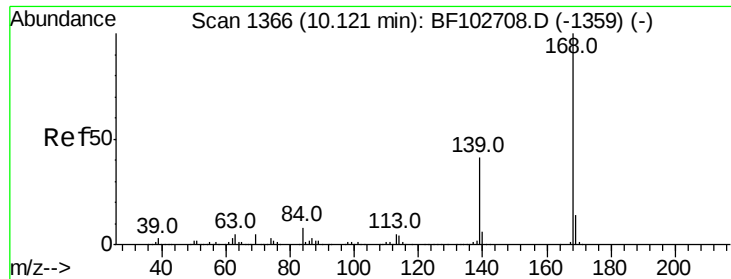
#51
Acenaphthene
Concen: 5.475 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF102736.D
Acq: 5 Feb 2018 14:28

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	113.0	91.2	136.8
152	56.5	43.8	65.8



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: 4.159 ng

RT: 10.12 min Scan# 1366

Delta R.T. -0.01 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

Instrument :

BNA_F

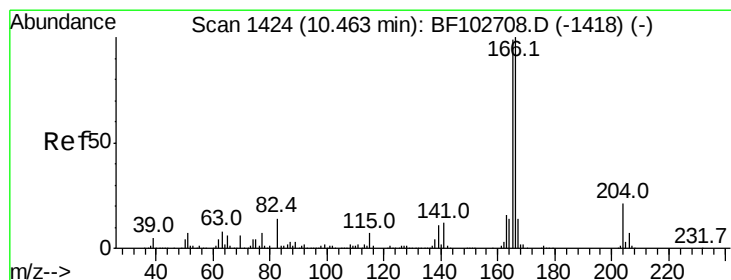
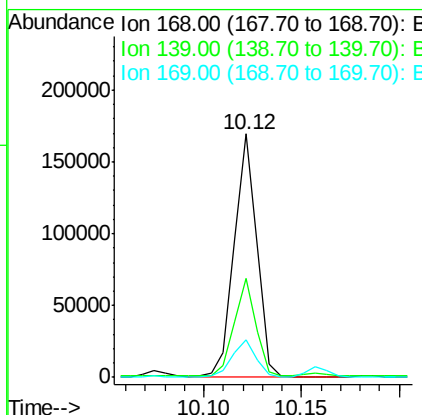
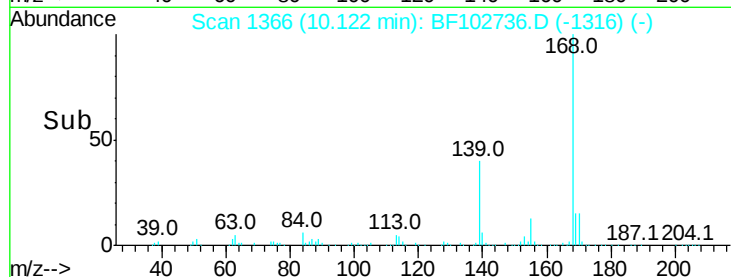
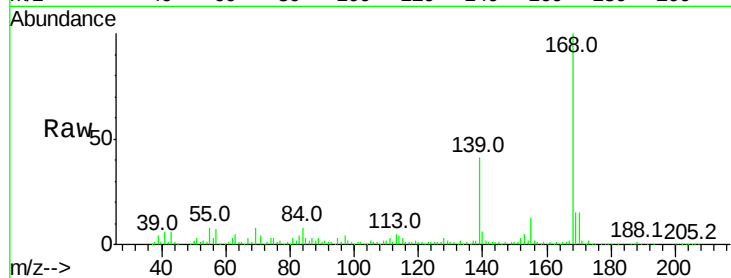
ClientSampleId :

OR-01-020218-A

Tot Ion:	168	Resp:	136906
Ion Ratio	Lower	Upper	
168	100		
139	40.5	30.1	45.1
169	15.3	10.9	16.3

Manual Integrations
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#57

Fluorene

Concen: 8.907 ng

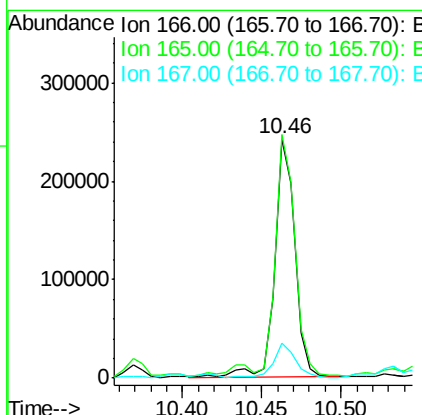
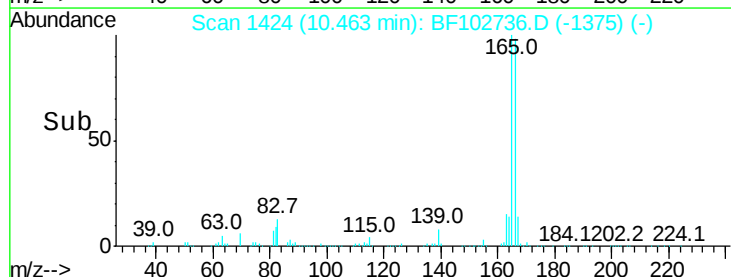
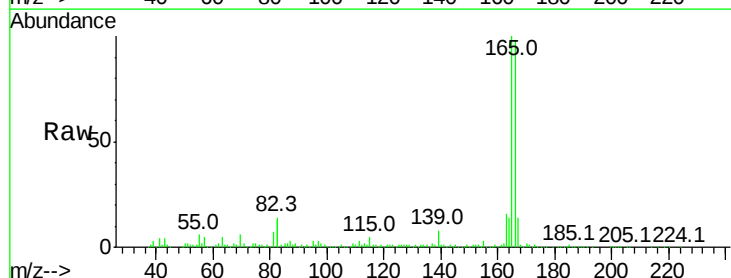
RT: 10.46 min Scan# 1424

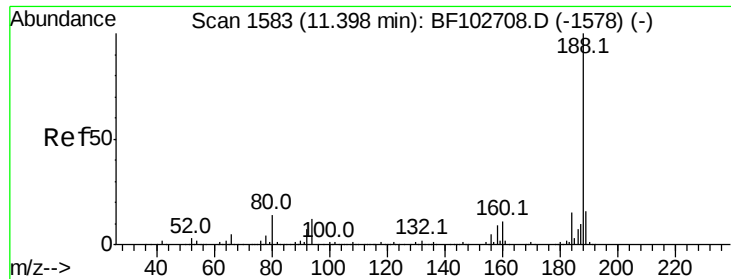
Delta R.T. -0.01 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

Tgt Ion:	166	Resp:	213333
Ion Ratio	Lower	Upper	
166	100		
165	101.8	79.8	119.8
167	14.7	10.6	16.0





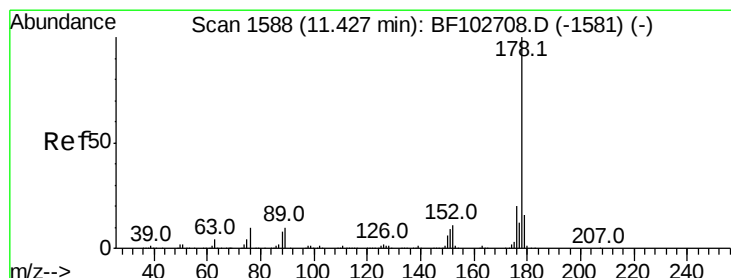
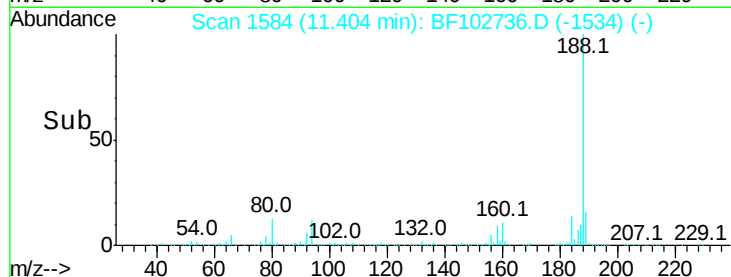
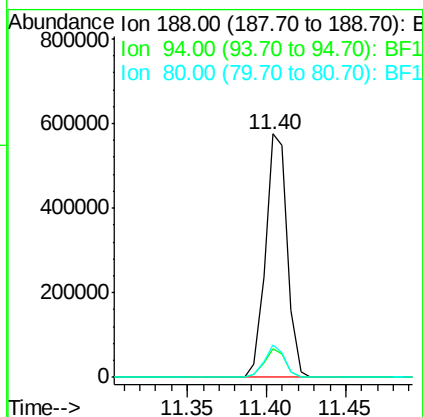
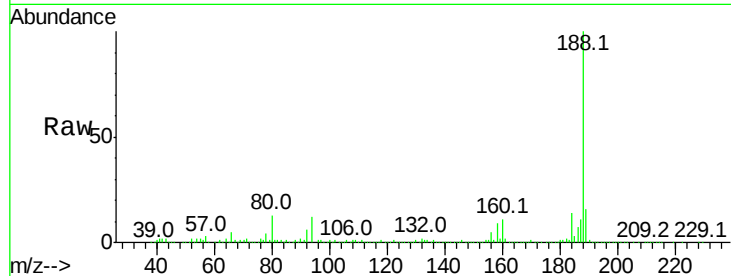
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF102736.D
Acq: 5 Feb 2018 14:28

Instrument :
BNA_F
ClientSampleId :
OR-01-020218-A

Tot Ion	Ratio	Resp	Lower	Upper
188	100	553744		
94	11.9		8.5	12.7
80	13.2		9.2	13.8

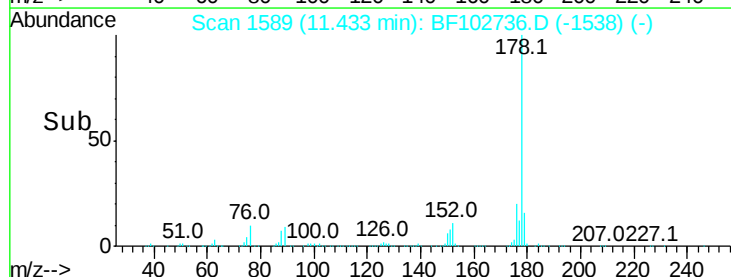
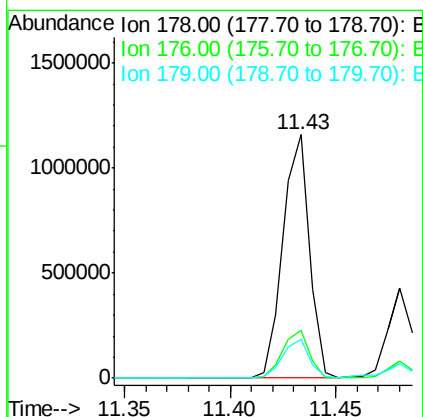
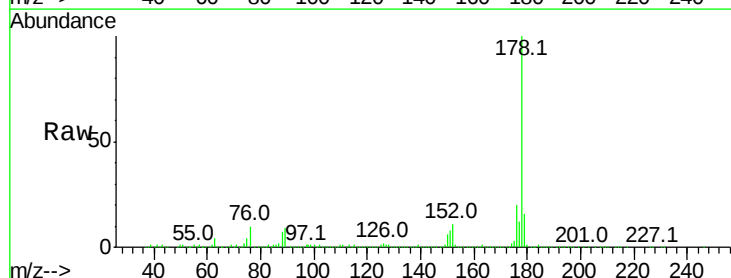
Manual Integrations
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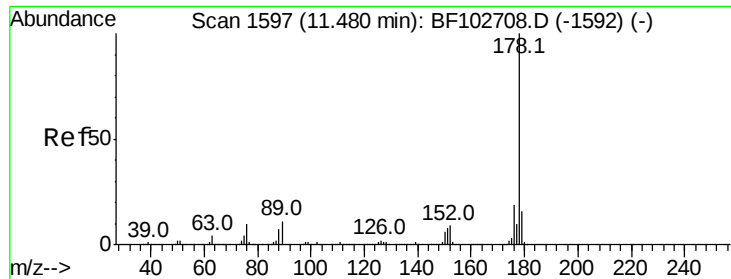
Sohil
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#70
Phenanthrene
Concen: 32.933 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BF102736.D
Acq: 5 Feb 2018 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1015647		
176	19.7		15.8	23.8
179	15.7		13.0	19.6





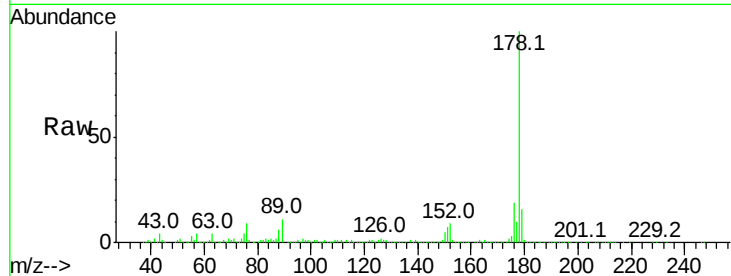
#71
 Anthracene
 Concen: 10.556 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF102736.D
 Acq: 5 Feb 2018 14:28

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-020218-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.6	12.6	19.0

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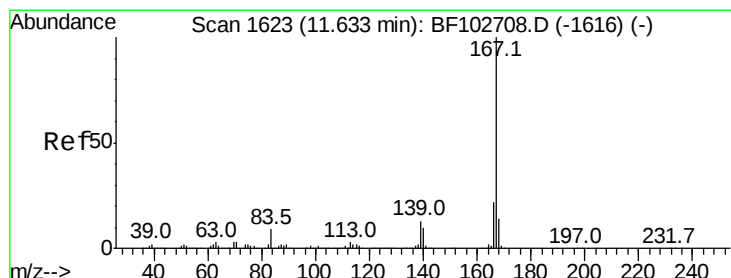
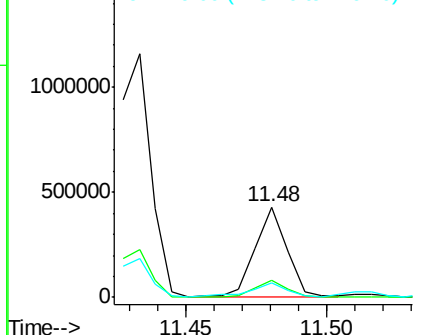
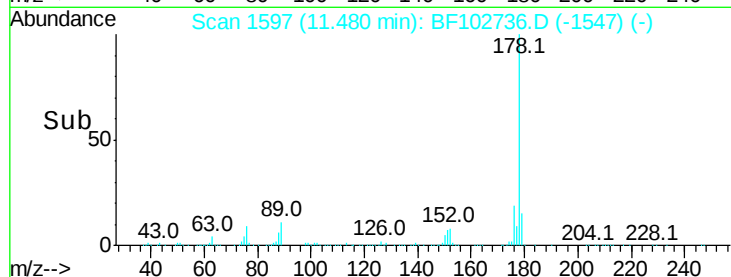


Abundance

Ion 178.00 (177.70 to 178.70): E

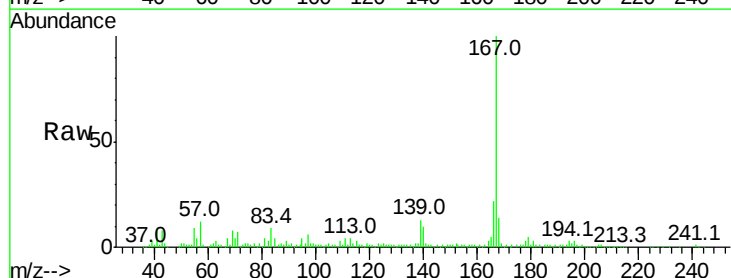
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72
 Carbazole
 Concen: 3.528 ng
 RT: 11.63 min Scan# 1623
 Delta R.T. -0.01 min
 Lab File: BF102736.D
 Acq: 5 Feb 2018 14:28

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.6	26.4
139	13.1	10.9	16.3

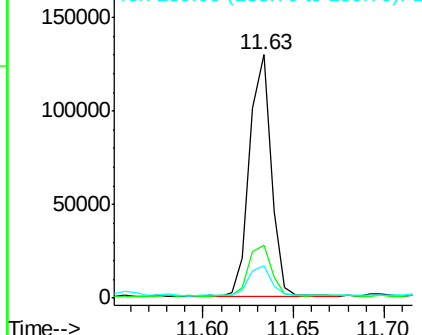
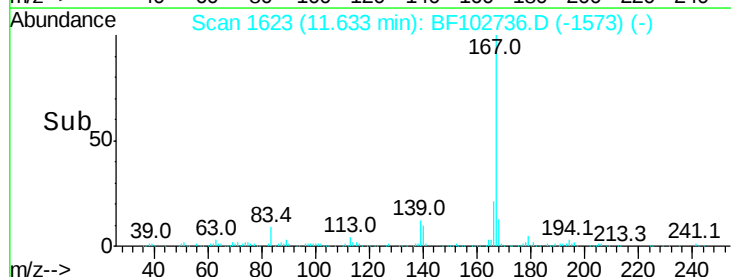


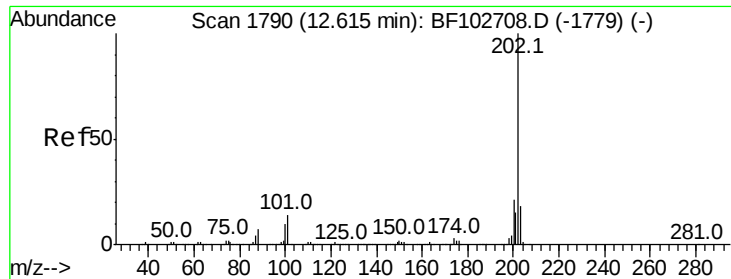
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 29.748 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

Instrument :

BNA_F

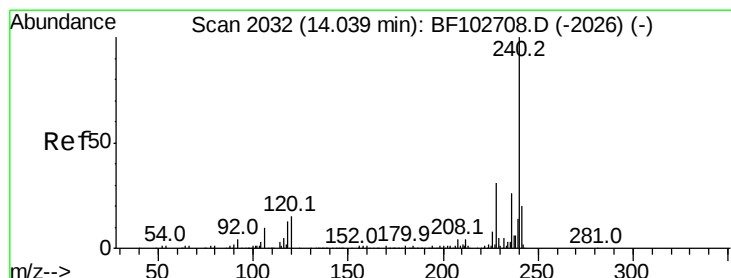
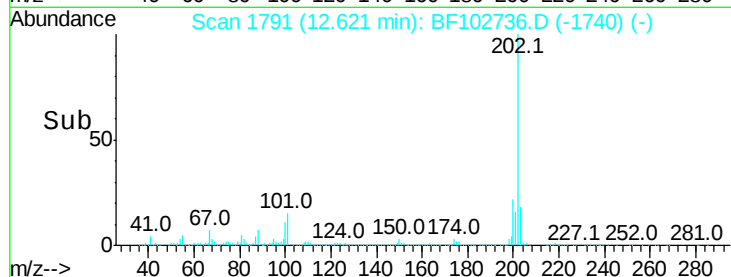
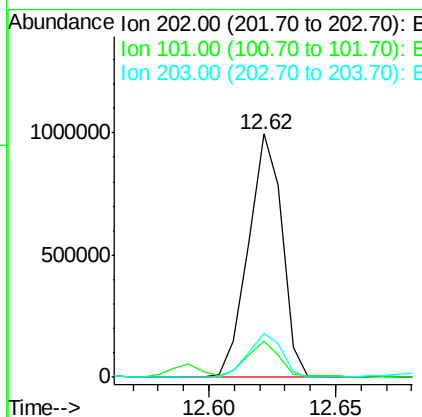
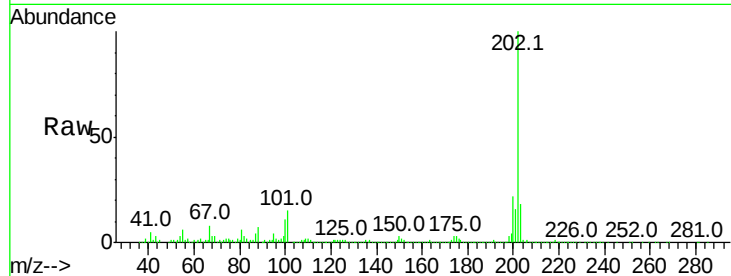
ClientSampleId :

OR-01-020218-A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.8	0.0	34.1
203	17.8	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

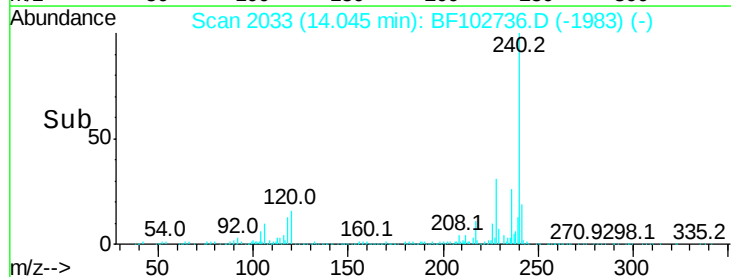
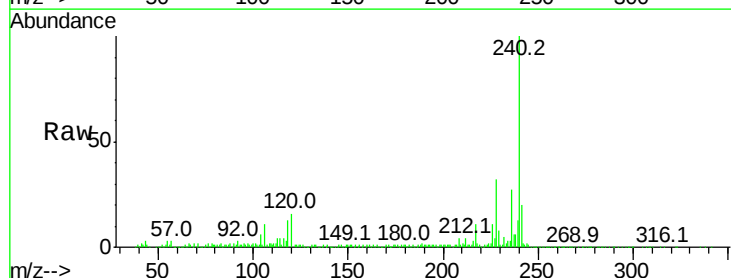
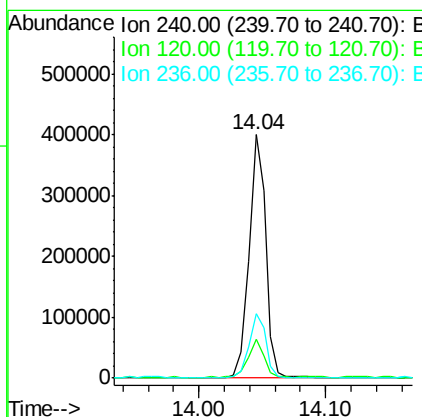
RT: 14.04 min Scan# 2033

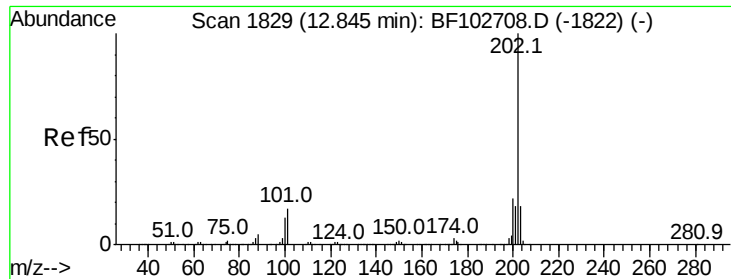
Delta R.T. -0.01 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	16.0	9.5	14.3#
236	26.7	20.7	31.1





#77

Pvrene

Concen: 30.766 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.01 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

Instrument :

BNA_F

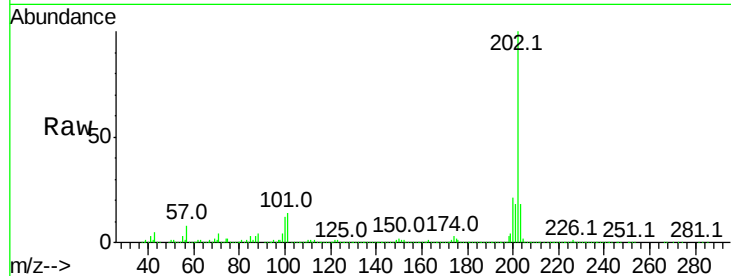
ClientSampleId :

OR-01-020218-A

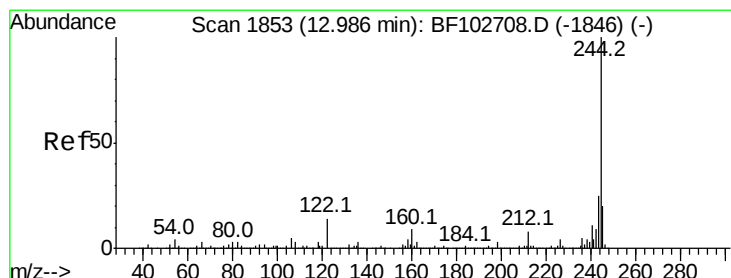
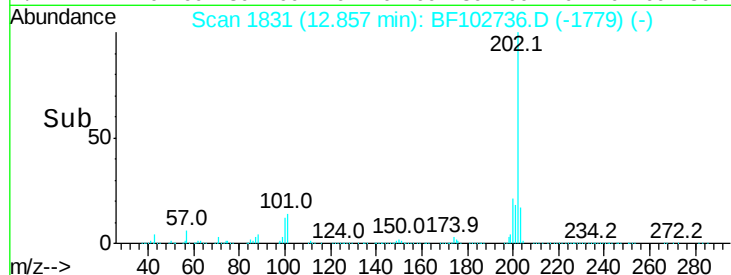
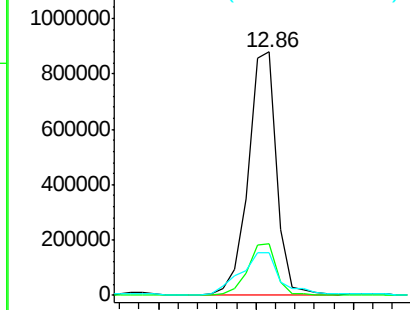
Tot Ion:	202	Resp:	877710
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.4	26.2
203	17.6	14.3	21.5

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



#78

Terphenyl-d14

Concen: 39.145 ng

RT: 12.99 min Scan# 1854

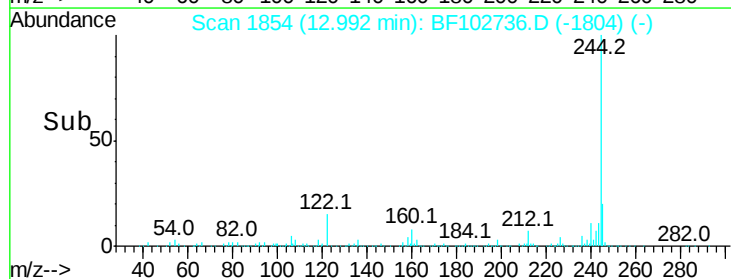
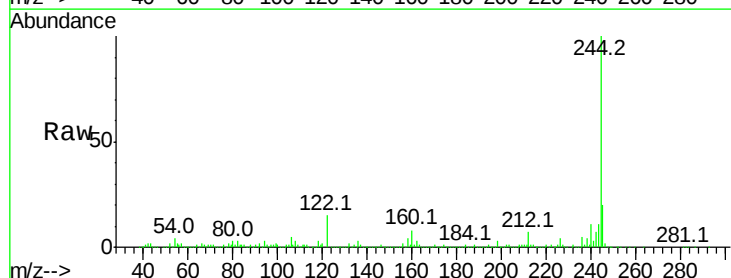
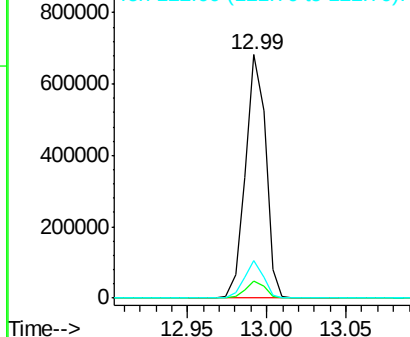
Delta R.T. -0.01 min

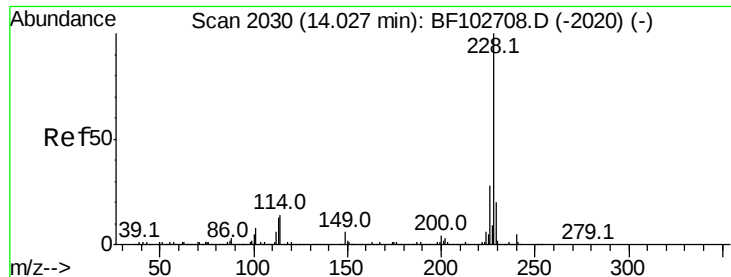
Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

Tgt Ion:	244	Resp:	601469
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.4	8.0
122	15.2	11.0	16.4

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





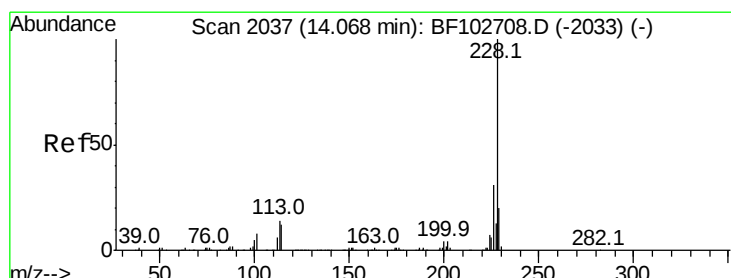
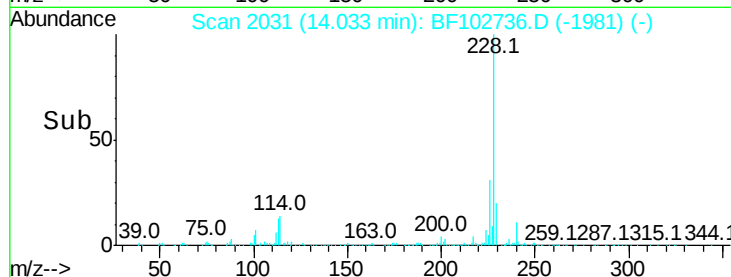
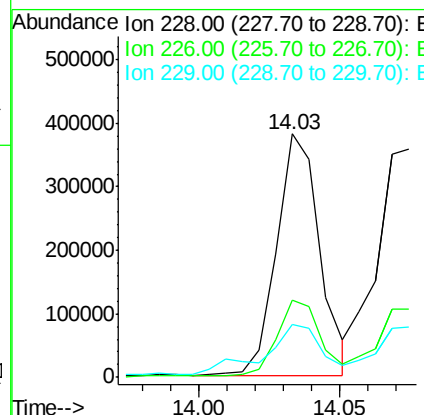
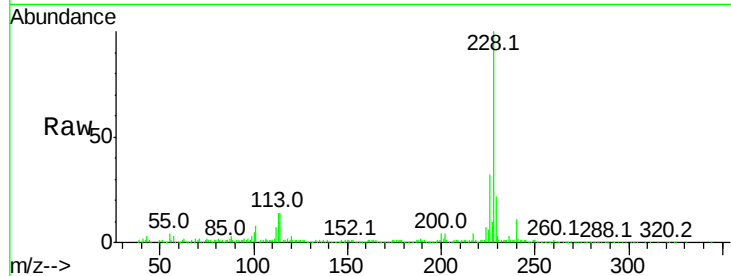
#80
Benzo(a)anthracene
Concen: 17.638 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF102736.D
Acq: 5 Feb 2018 14:28

Instrument :
BNA_F
ClientSampleId :
OR-01-020218-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.7	22.6	33.8
229	21.7	15.8	23.6

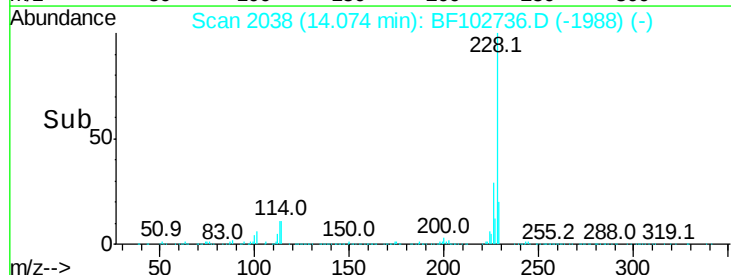
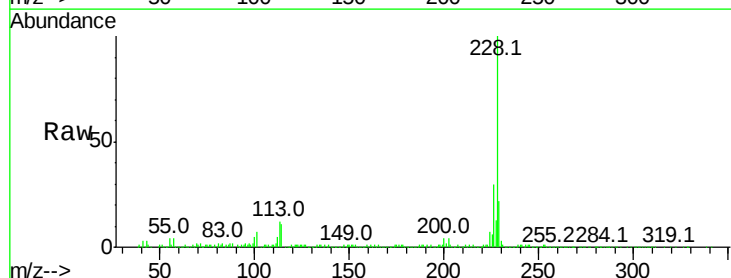
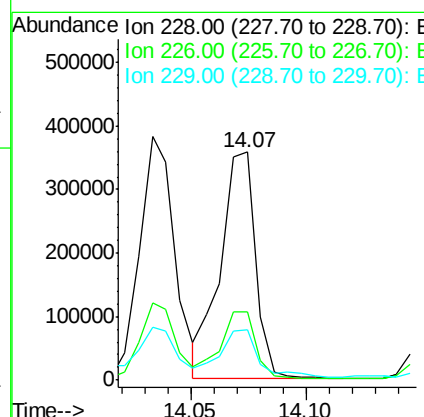
Manual Integrations
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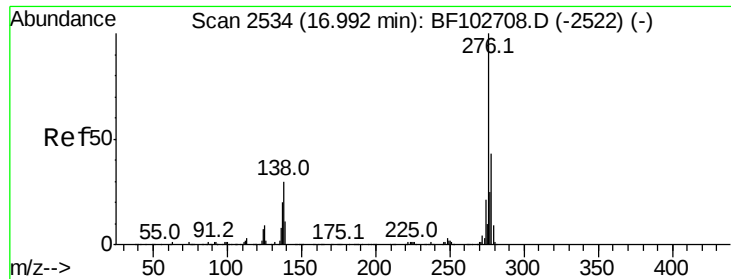
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#82
Chrysene
Concen: 16.399 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF102736.D
Acq: 5 Feb 2018 14:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.6
229	21.8	16.2	24.4





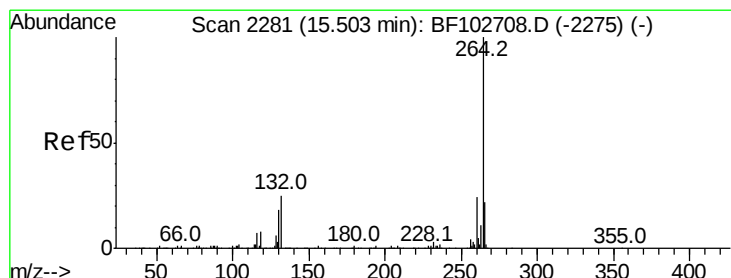
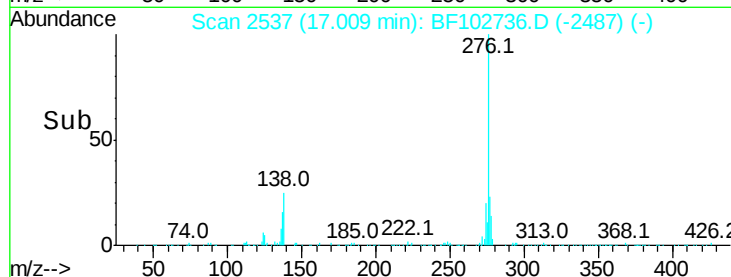
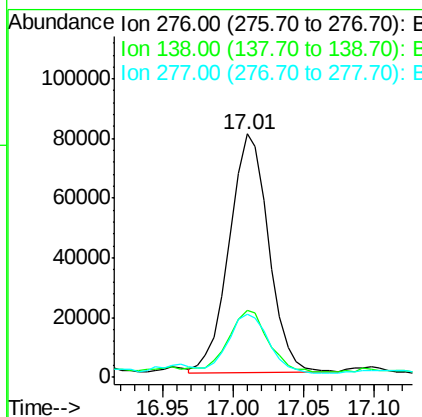
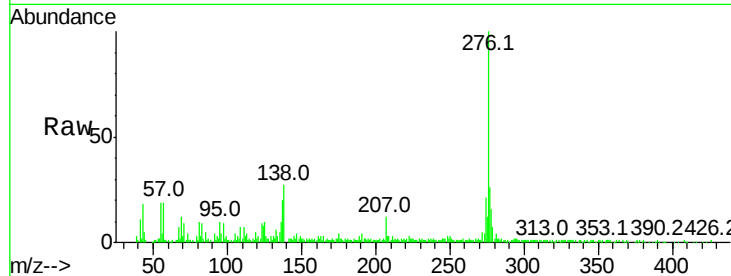
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.178 ng
RT: 17.01 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BF102736.D
Acq: 5 Feb 2018 14:28

Instrument :
BNA_F
ClientSampleId :
OR-01-020218-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.1	25.0	37.6
277	25.7	20.1	30.1

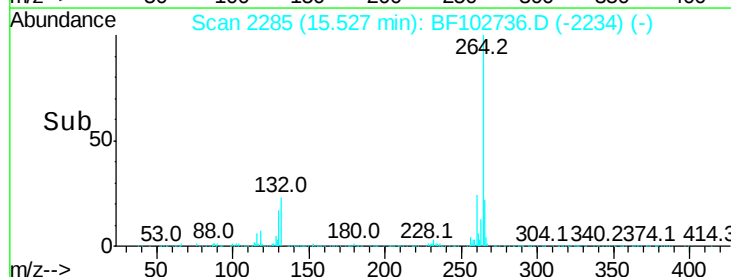
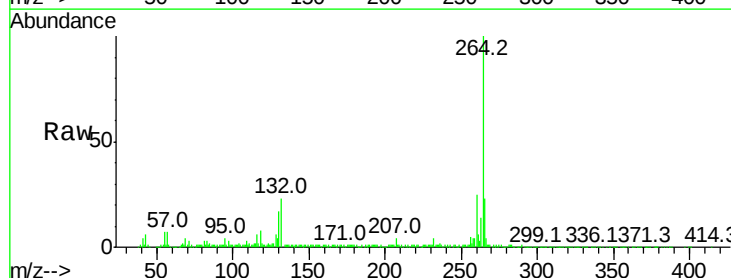
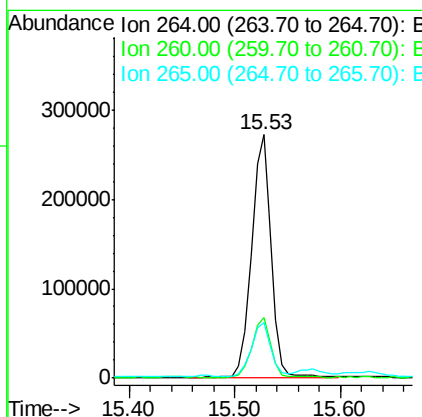
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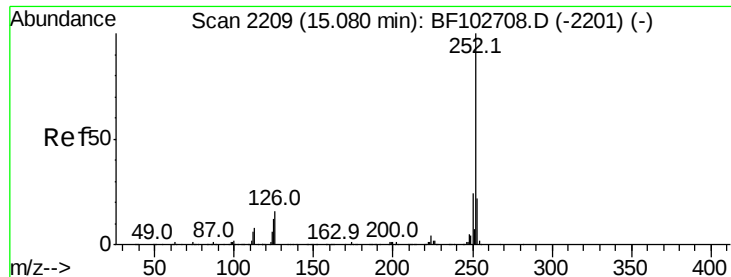
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. 0.00 min
Lab File: BF102736.D
Acq: 5 Feb 2018 14:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	22.9	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 19.986 ng m

RT: 15.09 min Scan# 2211

Delta R.T. 0.00 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

Instrument :

BNA_F

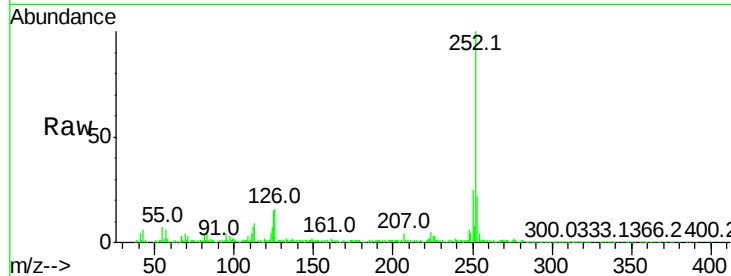
ClientSampleId :

OR-01-020218-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	14.8	9.0	13.6

Manual Integrations
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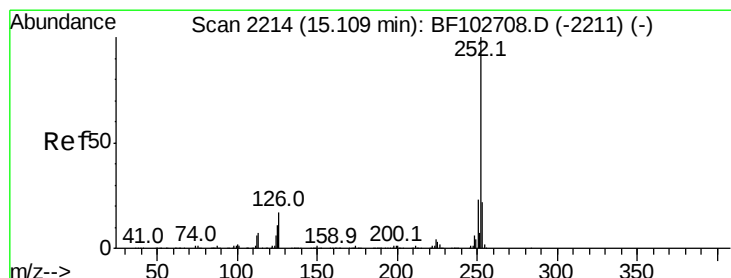
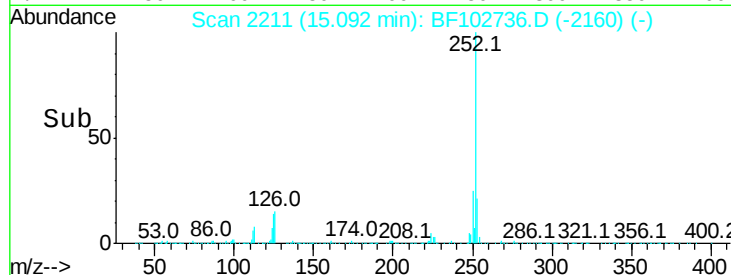
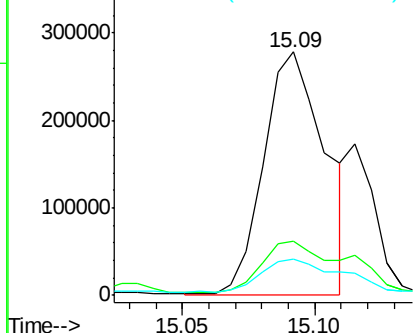
Sohil
2/6/2018 2:25:26 PM



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 5.811 ng m

RT: 15.12 min Scan# 2215

Delta R.T. -0.01 min

Lab File: BF102736.D

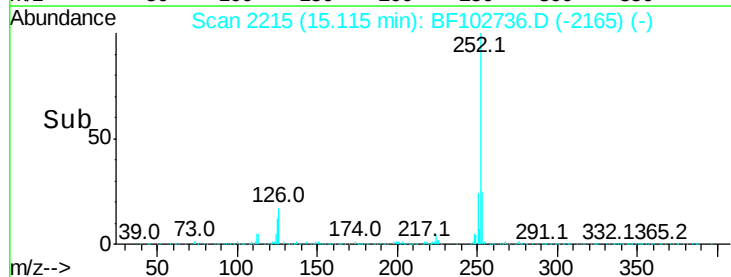
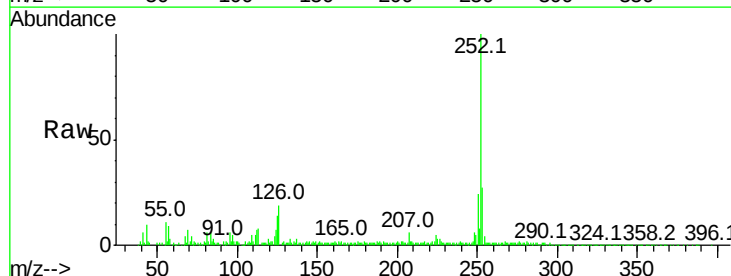
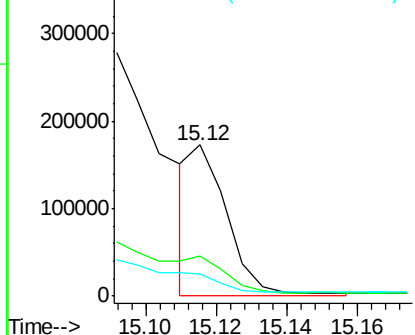
Acq: 5 Feb 2018 14:28

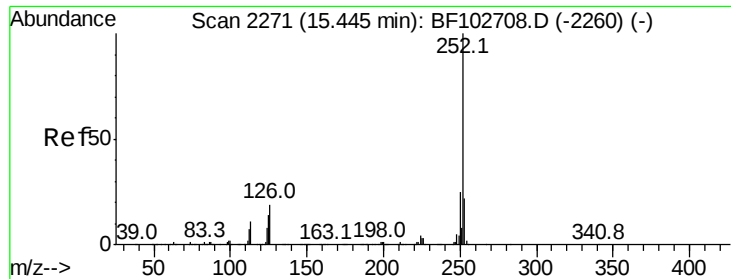
Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.9	26.9
125	14.3	10.2	15.2

Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





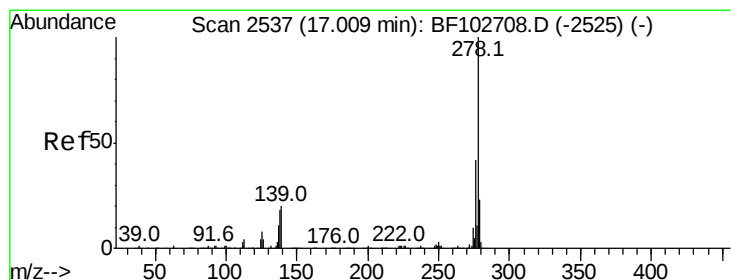
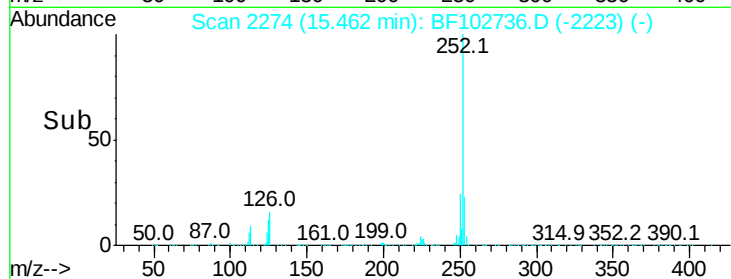
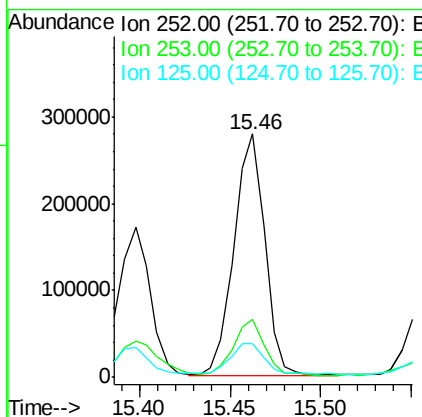
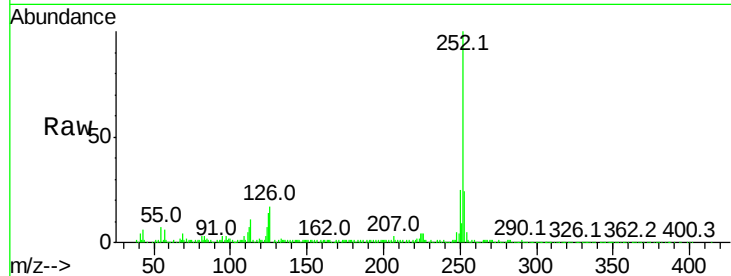
#89
Benzo(a)pyrene
Concen: 16.210 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.00 min
Lab File: BF102736.D
Acq: 5 Feb 2018 14:28

Instrument :
BNA_F
ClientSampleId :
OR-01-020218-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	13.9	9.8	14.6

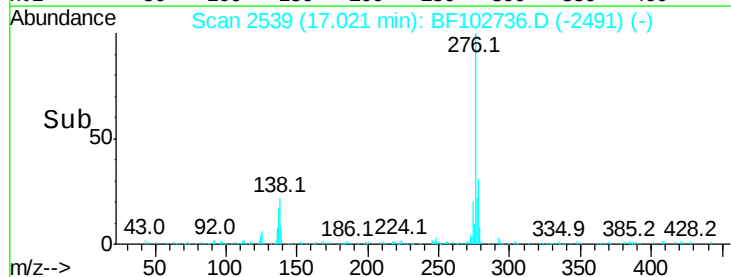
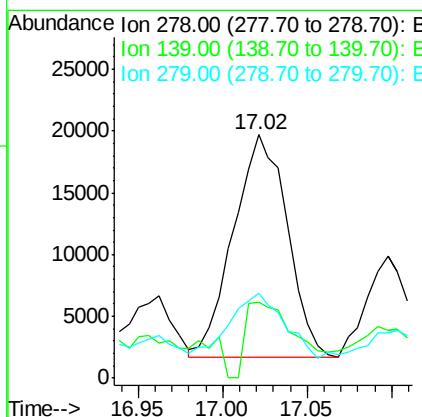
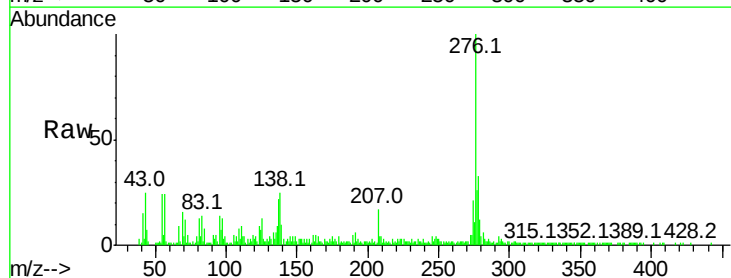
Manual Integrations
APPROVED

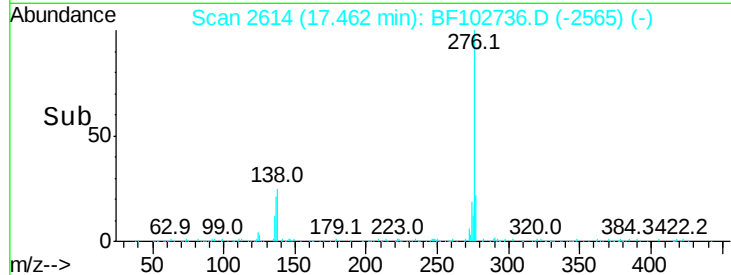
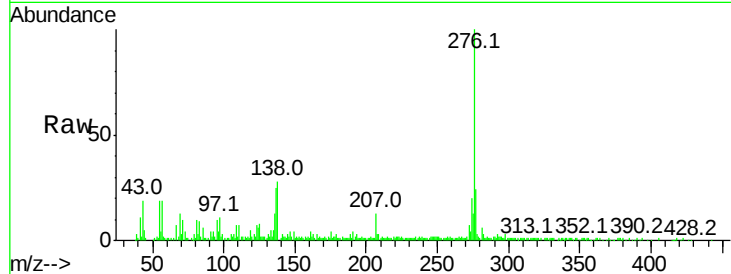
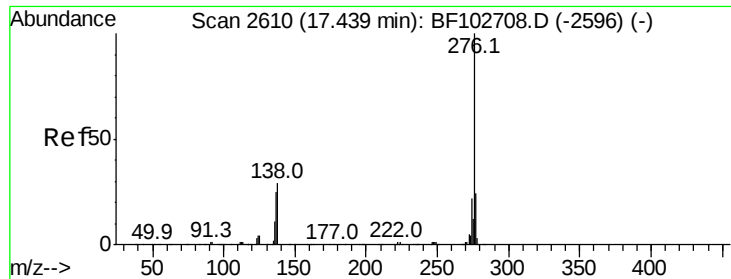
Sohil
2/6/2018 2:25:26 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.396 ng
RT: 17.02 min Scan# 2539
Delta R.T. -0.02 min
Lab File: BF102736.D
Acq: 5 Feb 2018 14:28

Tgt Ion	Ratio	Lower	Upper
278	100		
139	31.1	15.9	23.9#
279	34.6	19.0	28.4#





#91
Benzo(a,h,i)perylene
Concen: 9.528 ng
RT: 17.46 min Scan# 2614
Delta R.T. -0.01 min
Lab File: BF102736.D
Acq: 5 Feb 2018 14:28

Instrument :
BNA_F
ClientSampleId :
OR-01-020218-A

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	24.4	17.9	26.9
138	28.1	21.8	32.8

Manual Integrations
APPROVED

Sohil
2/6/2018 2:25:26 PM

