

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
 Data File : BF103404.D
 Acq On : 5 Mar 2018 12:50
 Operator : SJ/JU
 Sample : J1756-03 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-030118-B

Manual Integrations
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Sohil
 3/6/2018 4:22:43 PM

Quant Time: Mar 05 13:55:43 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 05 13:40:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	135622	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	551761	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	228301	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	341651	20.00	ng	0.00
75) Chrysene-d12	14.06	240	234783	20.00	ng	0.00
86) Perylene-d12	15.57	264	220413	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	384384	42.87	ng	0.00
7) Phenol-d6	6.52	99	468833	42.73	ng	0.00
23) Nitrobenzene-d5	7.43	82	284946	29.49	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	61839	32.00	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	425641	26.29	ng	0.00
78) Terphenyl-d14	12.99	244	271434	27.79	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.17	128	79128	2.929	ng	98
37) 2-Methylnaphthalene	8.87	142	38124	2.184	ng	97
48) Acenaphthylene	9.77	152	52975	2.275	ng	97
51) Acenaphthene	9.95	154	31496	2.320	ng	98
57) Fluorene	10.46	166	58477	3.683	ng	99
70) Phenanthrene	11.43	178	396040	21.064	ng	98
71) Anthracene	11.48	178	113025	5.862	ng	99
74) Fluoranthene	12.63	202	427292	22.615	ng	98
77) Pyrene	12.86	202	407047	22.237	ng	99
80) Benzo(a)anthracene	14.05	228	176503	11.586	ng	97
82) Chrysene	14.09	228	166943	11.286	ng	98
85) Indeno(1,2,3-cd)pyrene	17.12	276	81412	6.952	ng	97
87) Benzo(b)fluoranthene	15.13	252	217417m	15.003	ng	
88) Benzo(k)fluoranthene	15.16	252	56349m	4.129	ng	
89) Benzo(a)pyrene	15.51	252	156425	12.087	ng	# 91
91) Benzo(g,h,i)perylene	17.60	276	81141	8.302	ng	93

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

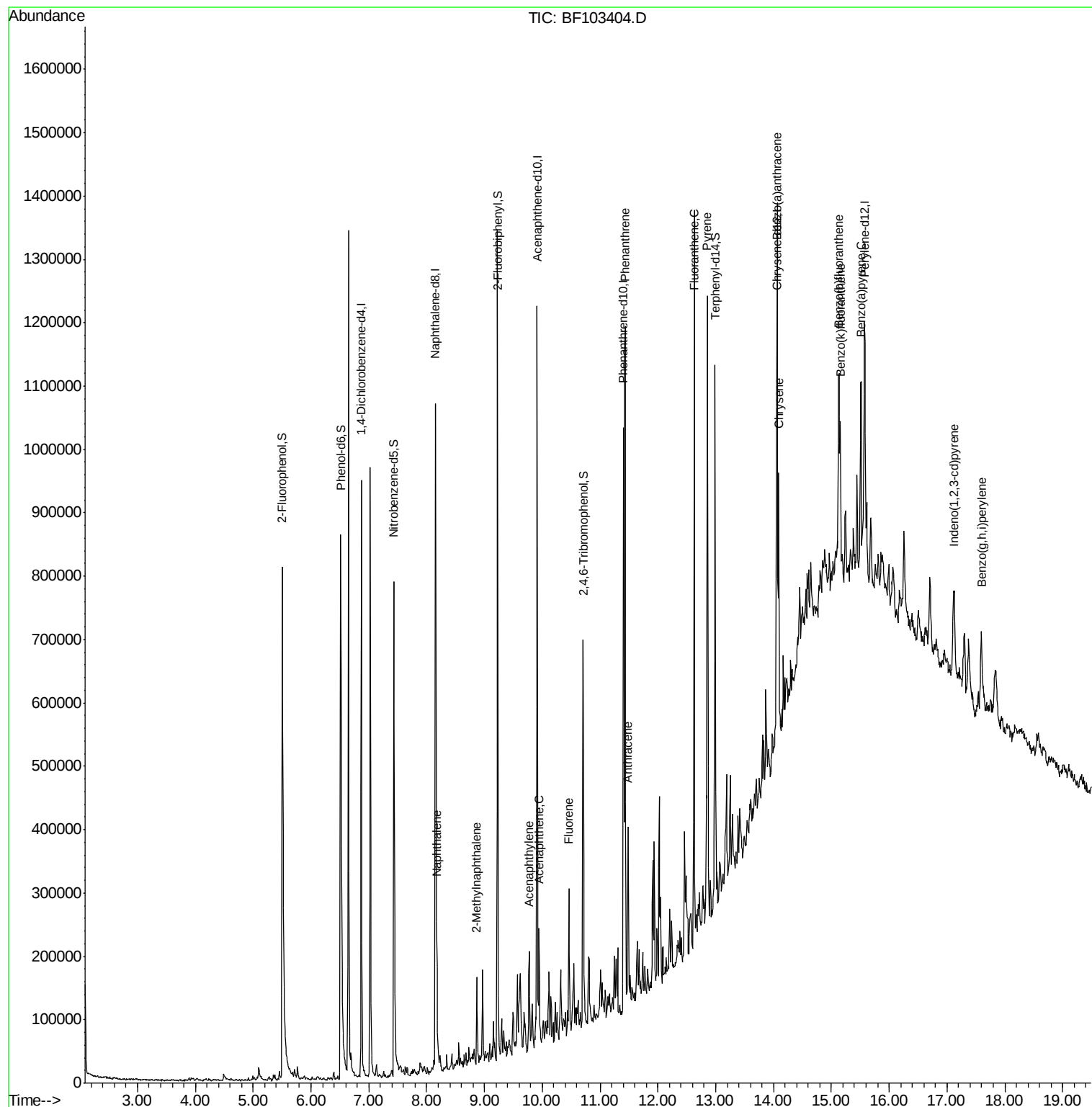
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103404.D
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#1

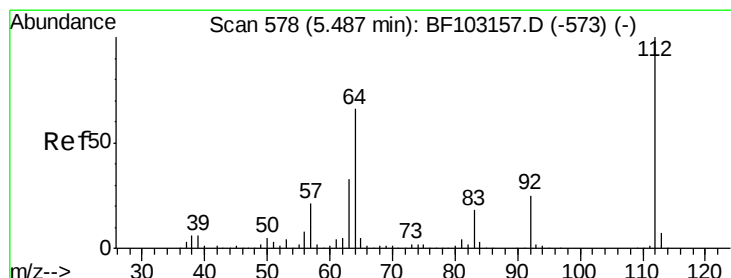
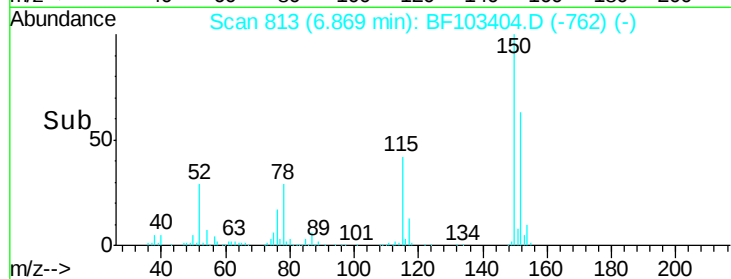
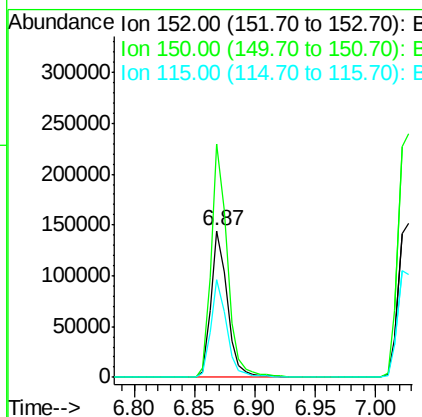
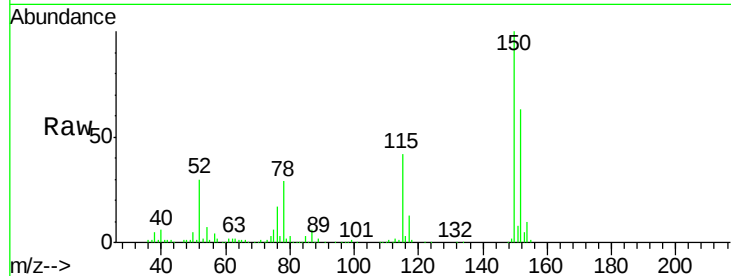
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF103404.D
Acq: 5 Mar 2018 12:50

Instrument :
BNA_F
ClientSampleId :
OR-01-030118-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	124.6	186.8
115	66.2	50.1	75.1

Manual Integrations
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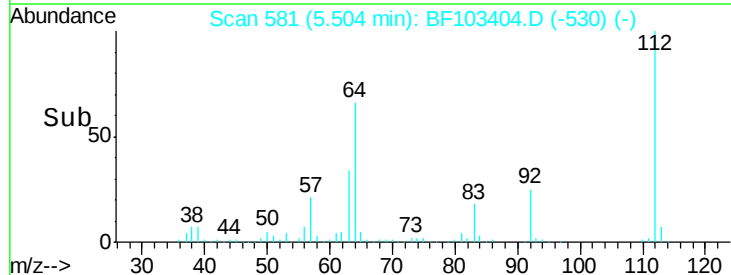
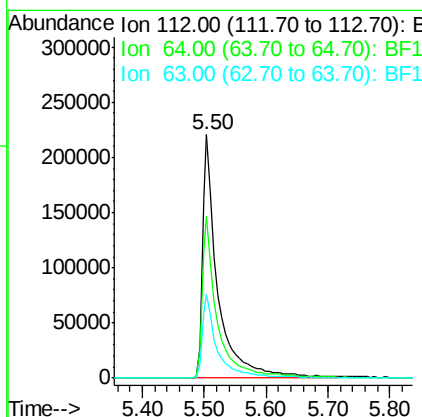
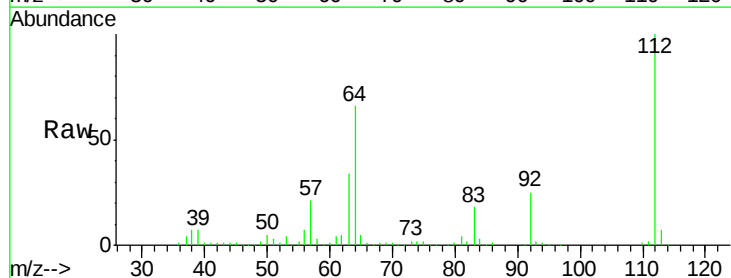
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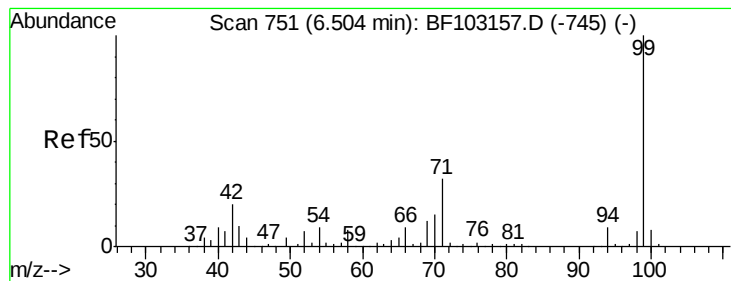


#5

2-Fluorophenol
Concen: 42.866 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.00 min
Lab File: BF103404.D
Acq: 5 Mar 2018 12:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.2	47.9	71.9
63	34.4	23.7	35.5





#7

Phenol-d6

Concen: 42.727 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF103404.D

Acq: 5 Mar 2018 12:50

Instrument :

BNA_F

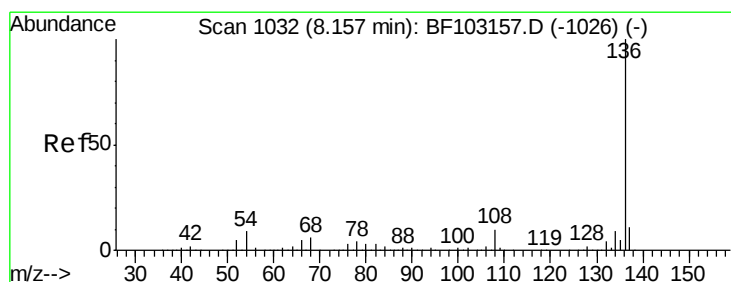
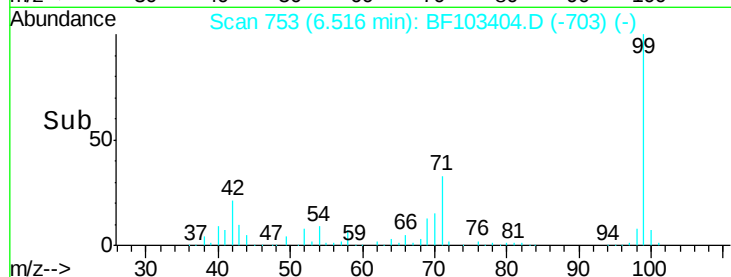
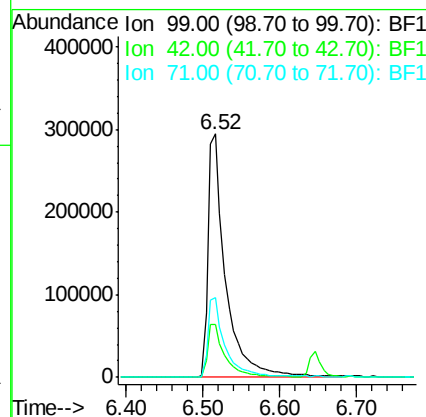
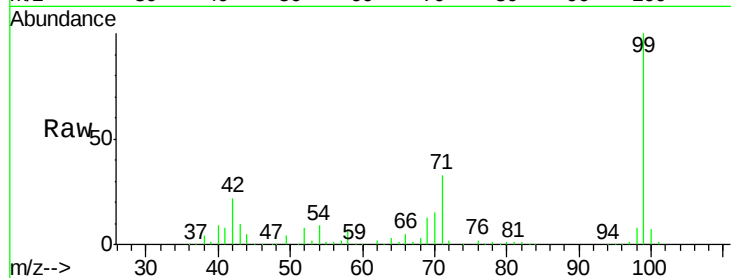
ClientSampleId :

OR-01-030118-B

Tot Ion:	99	Resp:	468833
Ion Ratio	Lower	Upper	
99	100		
42	21.6	14.5	21.7
71	32.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

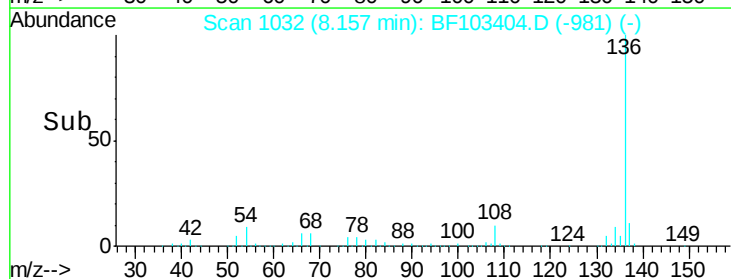
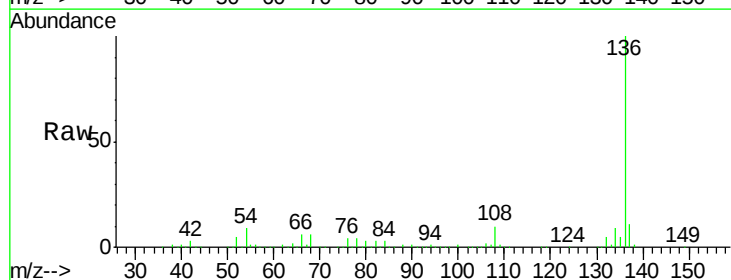
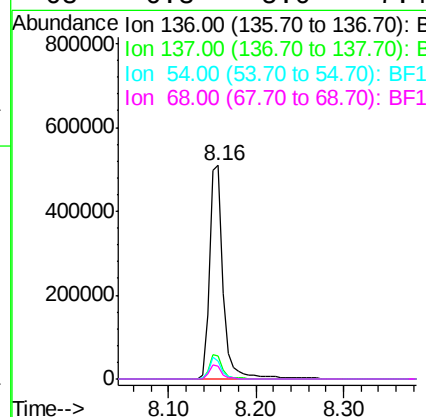
RT: 8.16 min Scan# 1032

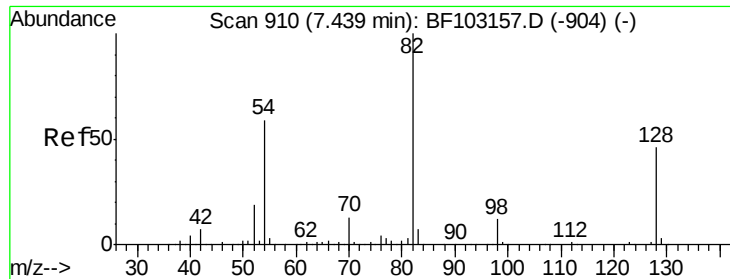
Delta R.T. -0.00 min

Lab File: BF103404.D

Acq: 5 Mar 2018 12:50

Tgt Ion:	136	Resp:	551761
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	8.6	6.6	9.8
68	6.3	5.0	7.4





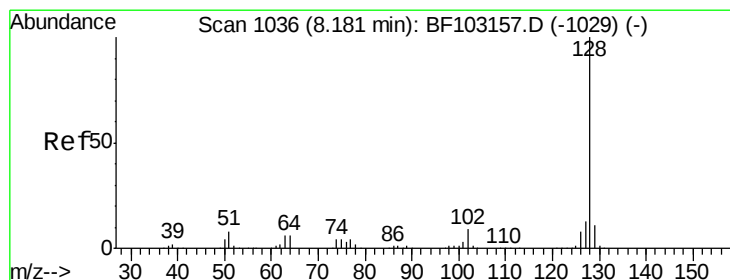
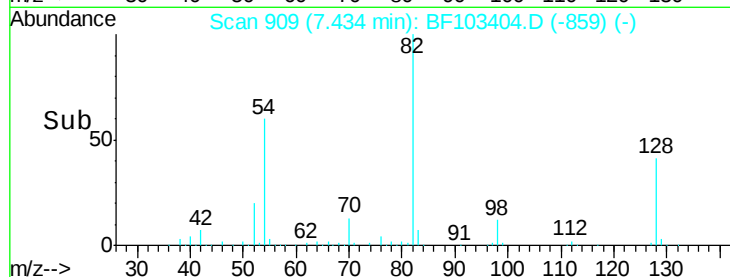
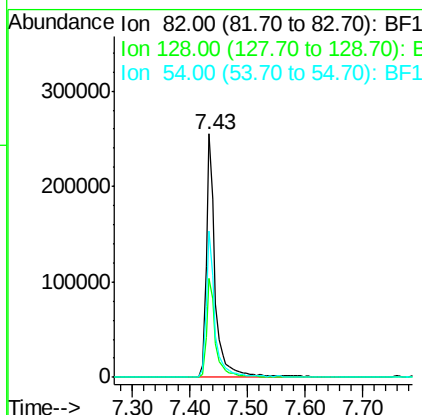
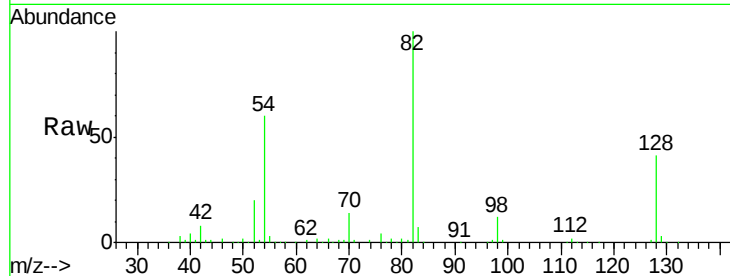
#23
Nitrobenzene-d5
Concen: 29.493 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103404.D
Acq: 5 Mar 2018 12:50

Instrument :
BNA_F
ClientSampleId :
OR-01-030118-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.9	36.1	54.1
54	59.9	41.4	62.2

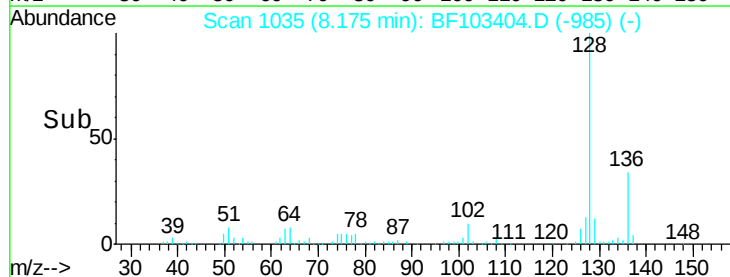
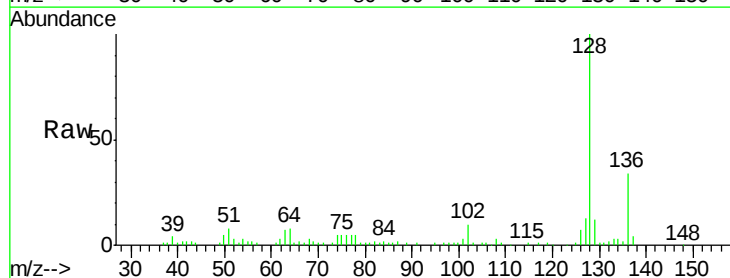
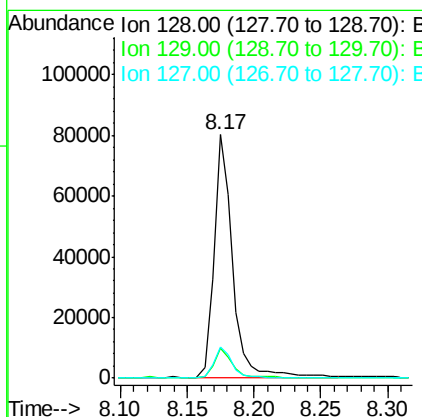
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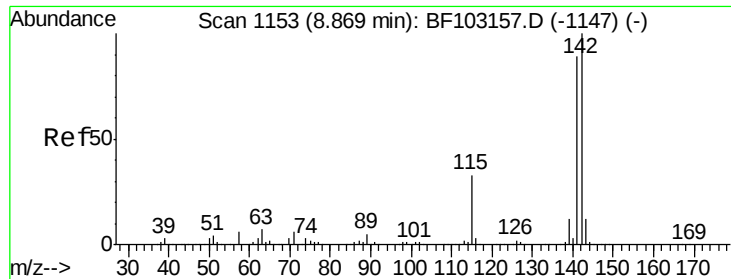
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#31
Naphthalene
Concen: 2.929 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF103404.D
Acq: 5 Mar 2018 12:50

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.1	8.8	13.2
127	12.8	10.9	16.3





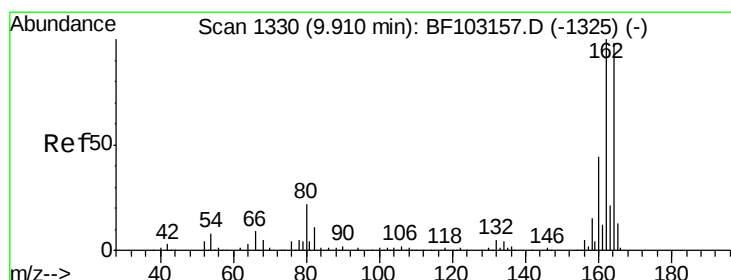
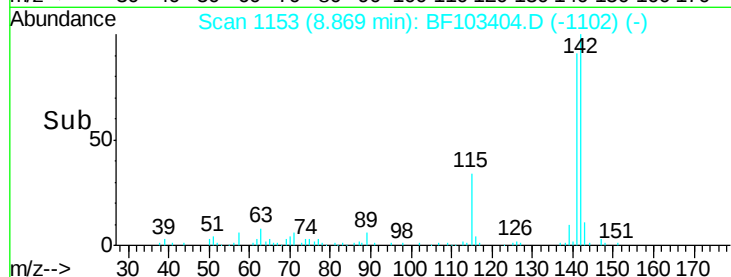
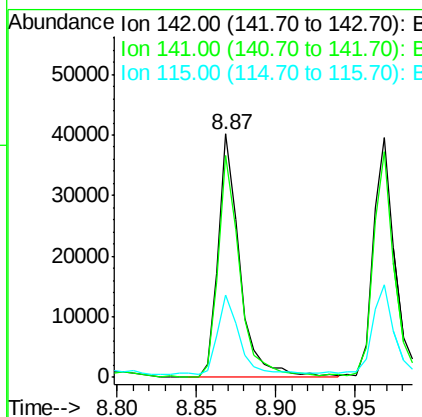
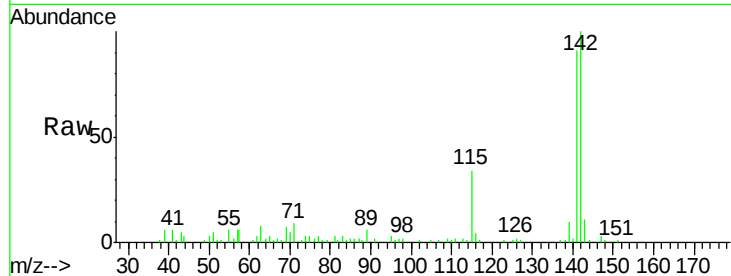
#37
2-Methylnaphthalene
Concen: 2.184 ng
RT: 8.87 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BF103404.D
Acq: 5 Mar 2018 12:50

Instrument :
BNA_F
ClientSampleId :
OR-01-030118-B

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.3	70.8	106.2
115	33.9	26.1	39.1

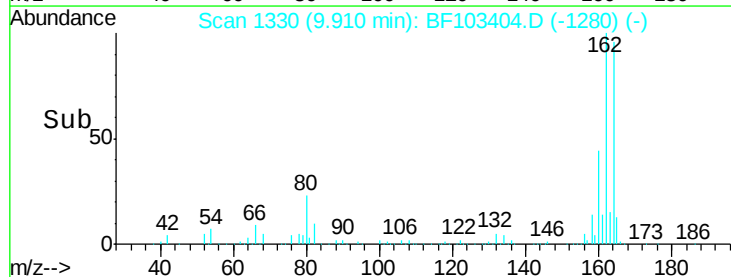
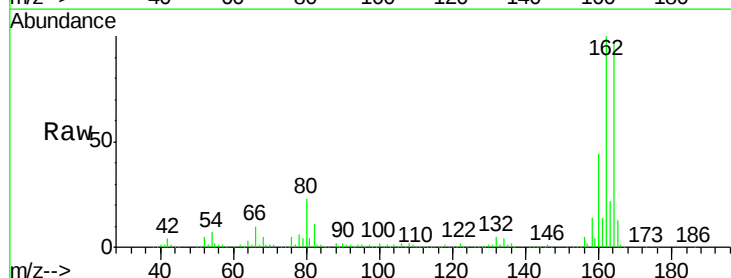
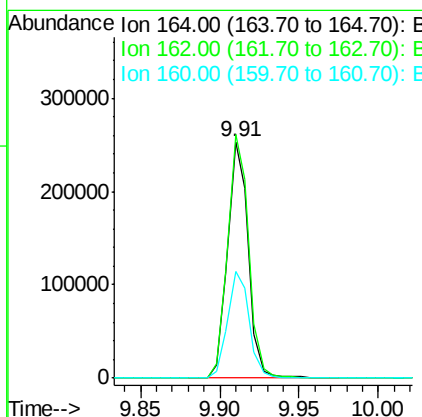
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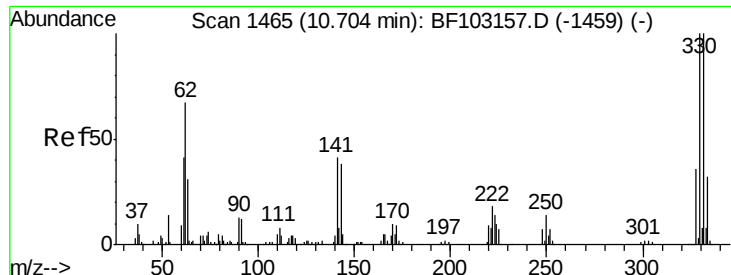
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF103404.D
Acq: 5 Mar 2018 12:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.1	86.1	129.1
160	45.3	38.3	57.5





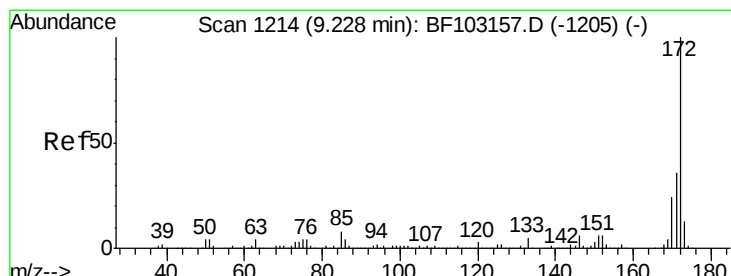
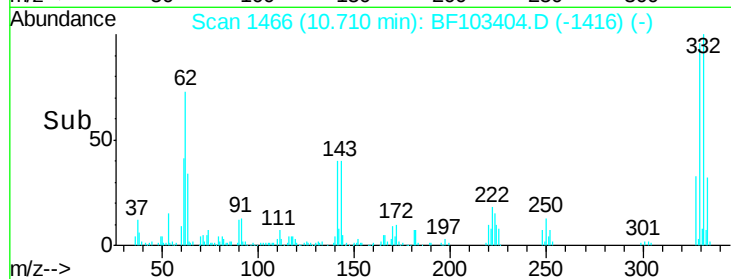
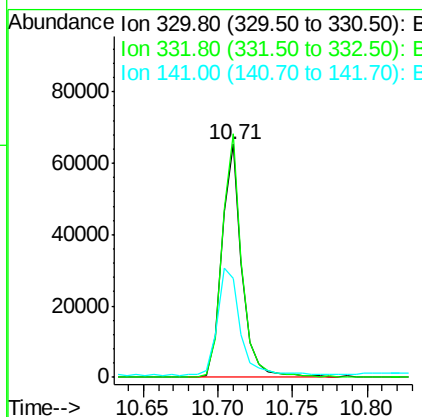
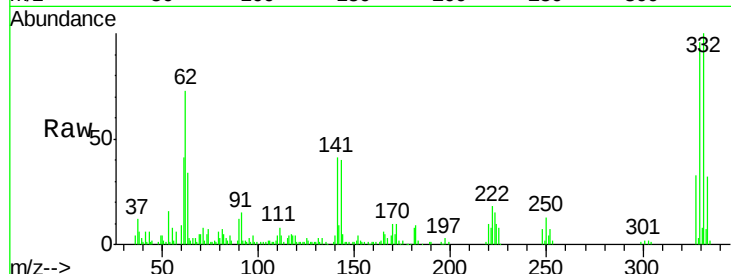
#41
 2,4,6-Tribromophenol
 Concen: 32.000 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103404.D
 Acq: 5 Mar 2018 12:50

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-030118-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.6	77.0	115.6
141	52.4	29.9	44.9

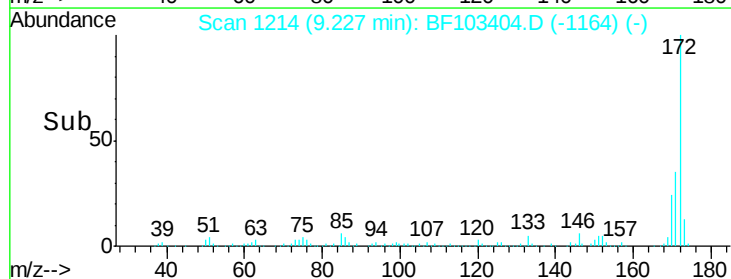
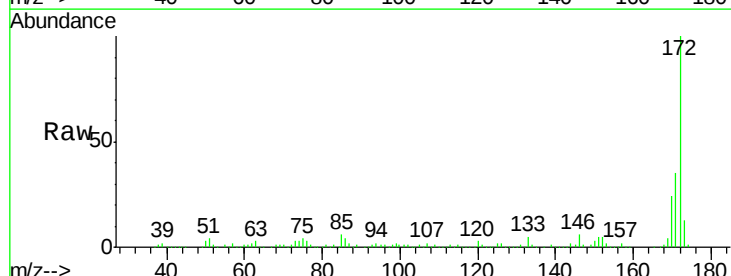
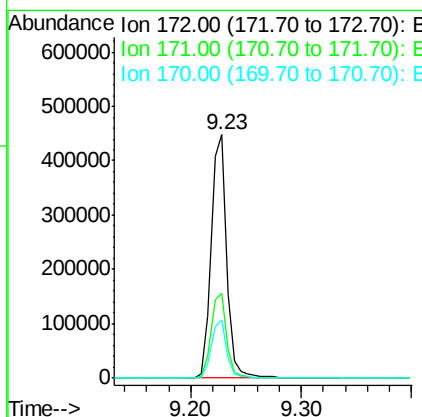
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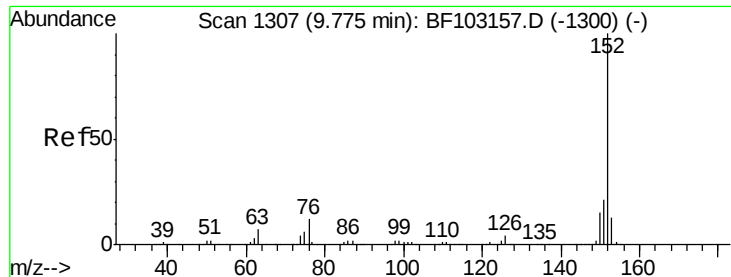
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#44
 2-Fluorobiphenyl
 Concen: 26.288 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103404.D
 Acq: 5 Mar 2018 12:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.7	44.5
170	23.6	19.6	29.4





#48

Acenaphthylene

Concen: 2.275 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF103404.D

Acq: 5 Mar 2018 12:50

Instrument :

BNA_F

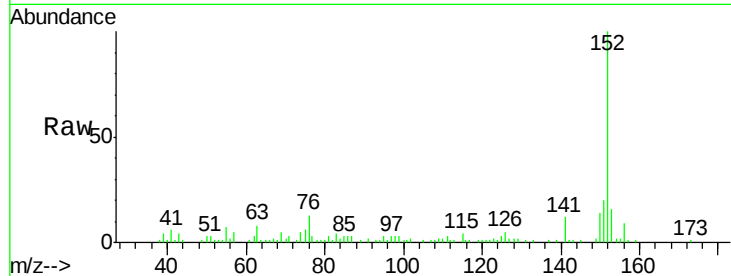
ClientSampleId :

OR-01-030118-B

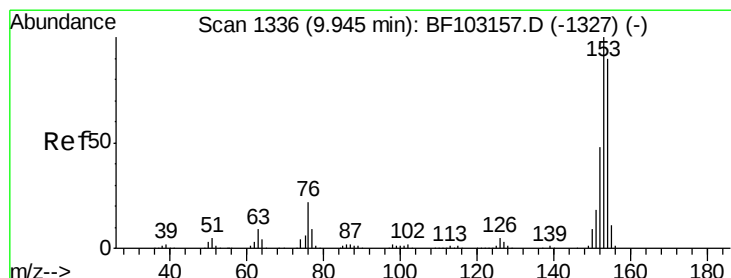
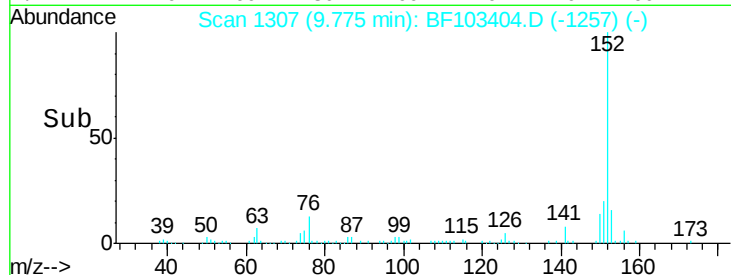
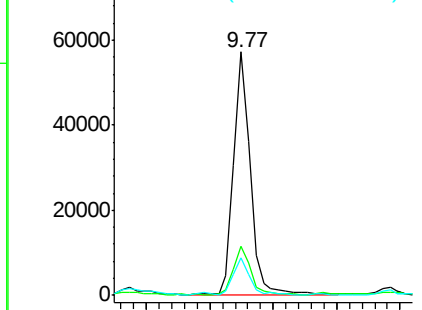
Tot Ion:	152	Resp:	52975
Ion Ratio	Lower	Upper	
152	100		
151	20.0	16.3	24.5
153	15.6	10.7	16.1

Manual Integrations
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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



#51

Acenaphthene

Concen: 2.320 ng

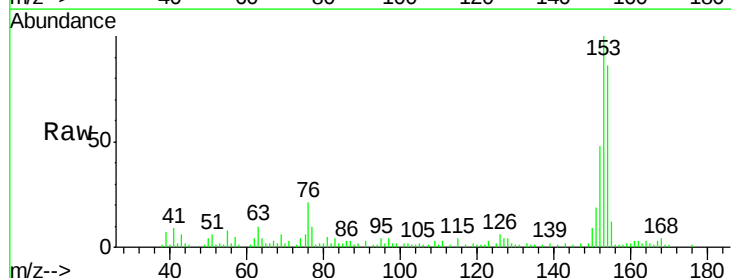
RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

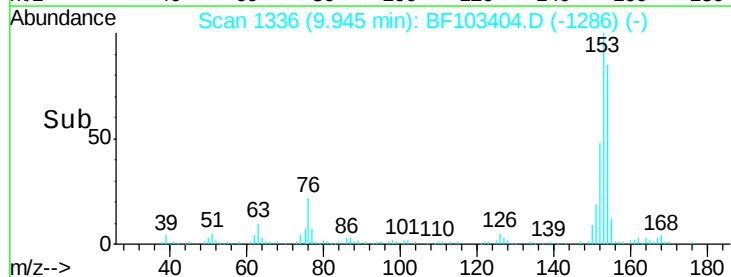
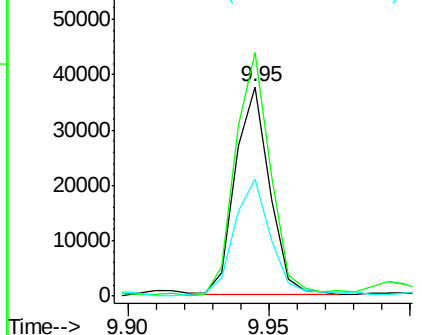
Lab File: BF103404.D

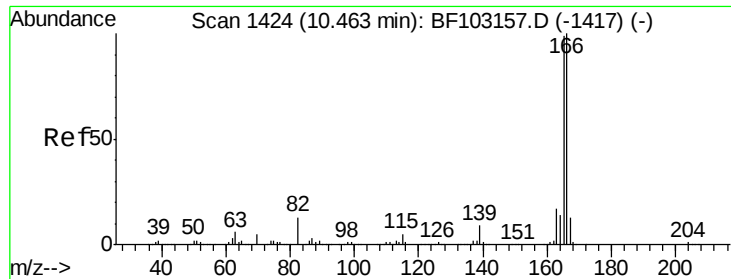
Acq: 5 Mar 2018 12:50

Tgt Ion:	154	Resp:	31496
Ion Ratio	Lower	Upper	
154	100		
153	116.3	91.2	136.8
152	55.9	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





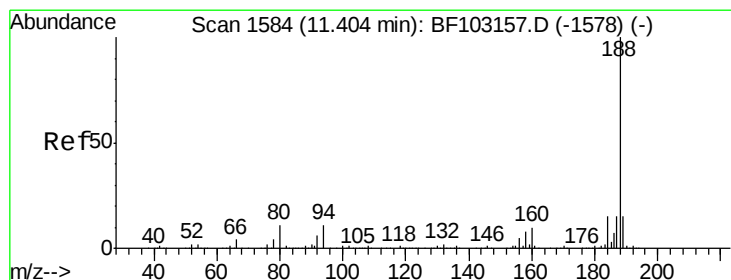
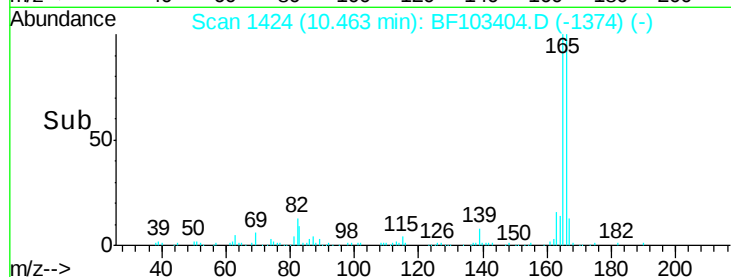
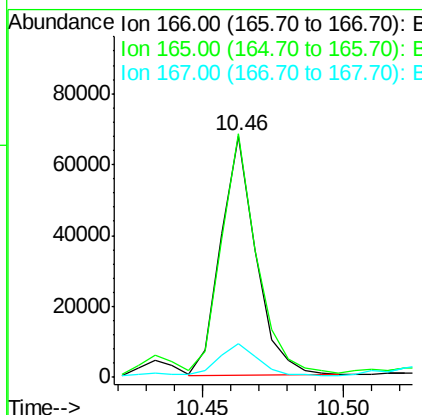
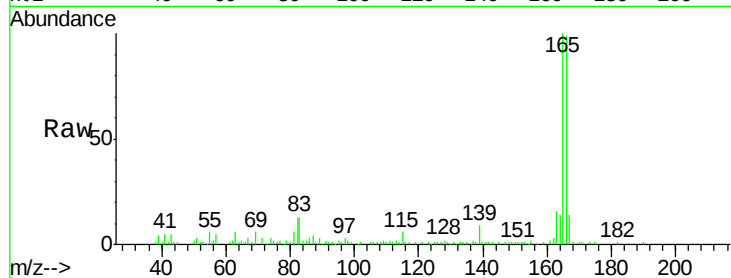
#57
Fluorene
 Concen: 3.683 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF103404.D
 Acq: 5 Mar 2018 12:50

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-030118-B

Tot Ion	Ion	Ratio	Lower	Upper
166	100			
165	100.9	79.8	119.8	
167	13.7	10.6	16.0	

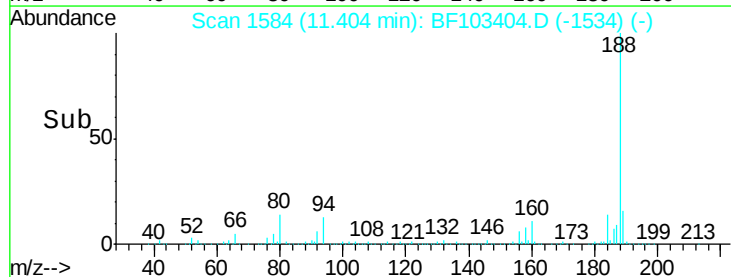
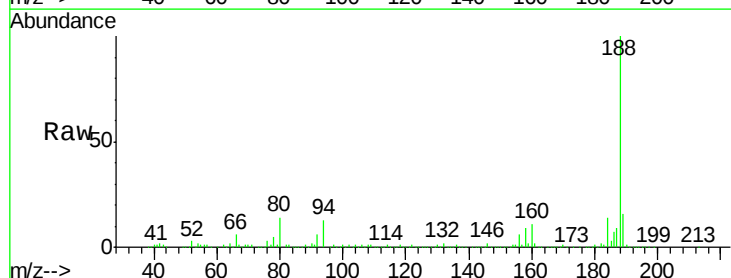
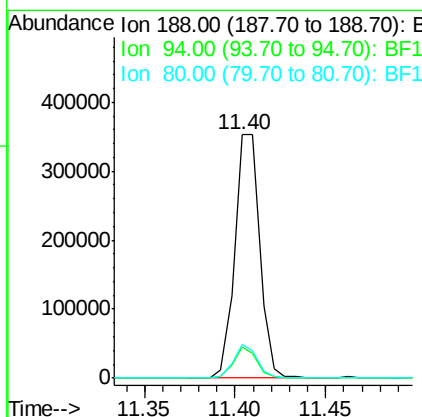
Manual Integrations
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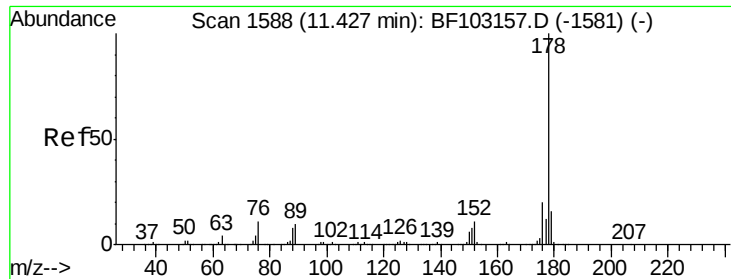
Sohil
 3/6/2018 4:22:43 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF103404.D
 Acq: 5 Mar 2018 12:50

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	12.9	8.5	12.7#	
80	14.0	9.2	13.8#	





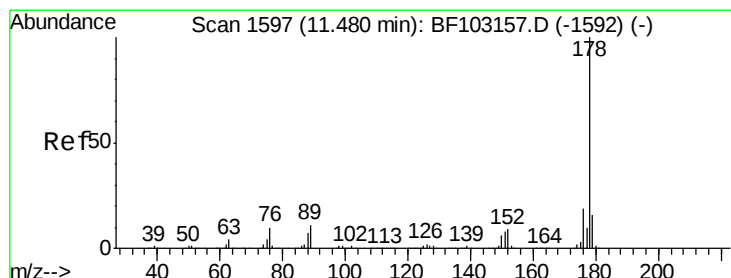
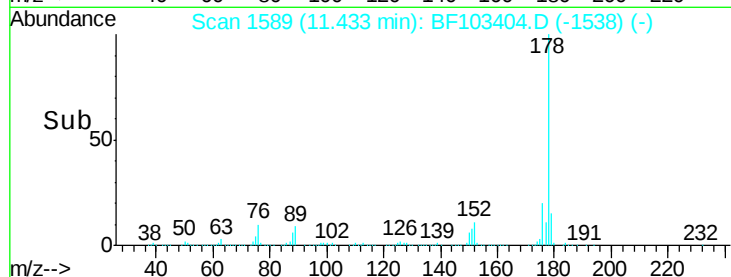
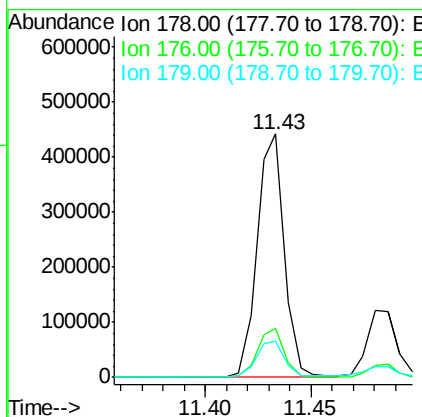
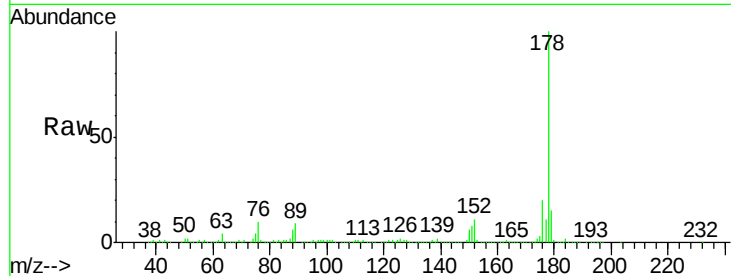
#70
Phenanthrene
Concen: 21.064 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BF103404.D
Acq: 5 Mar 2018 12:50

Instrument :
BNA_F
ClientSampleId :
OR-01-030118-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.0	13.0	19.6

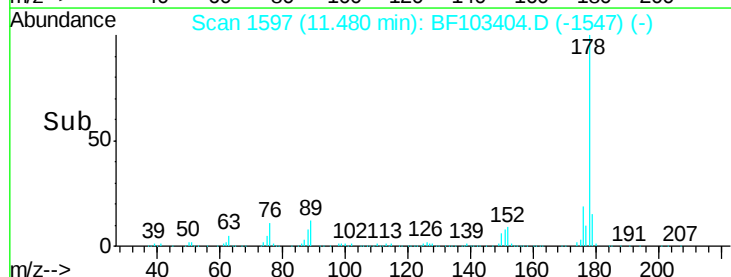
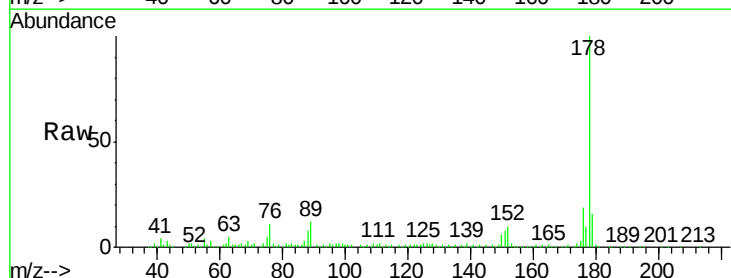
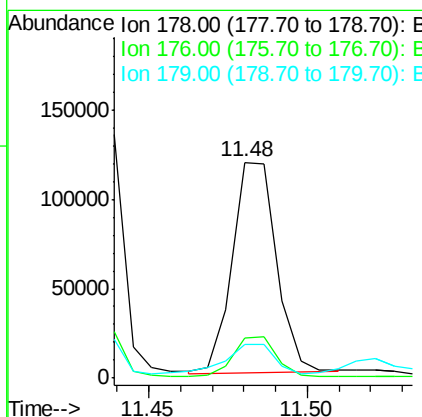
Manual Integrations
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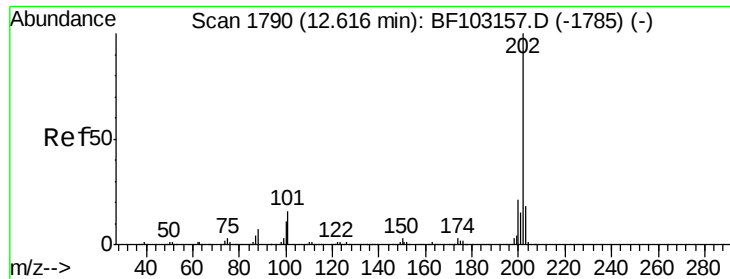
Sohil
3/6/2018 4:22:43 PM



#71
Anthracene
Concen: 5.862 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF103404.D
Acq: 5 Mar 2018 12:50

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.6	12.6	19.0





#74

Fluoranthene

Concen: 22.615 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF103404.D

Acq: 5 Mar 2018 12:50

Instrument :

BNA_F

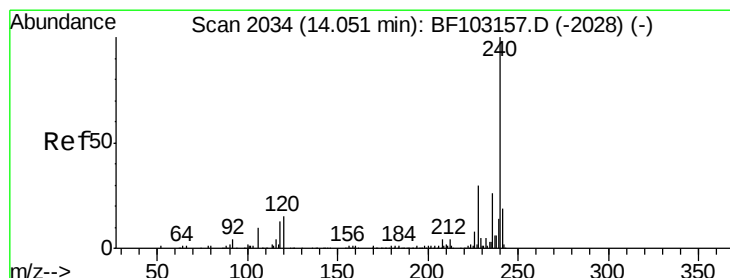
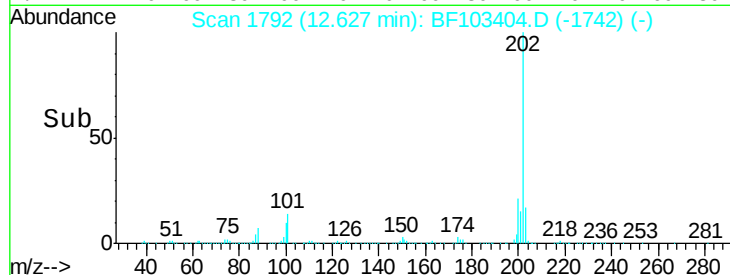
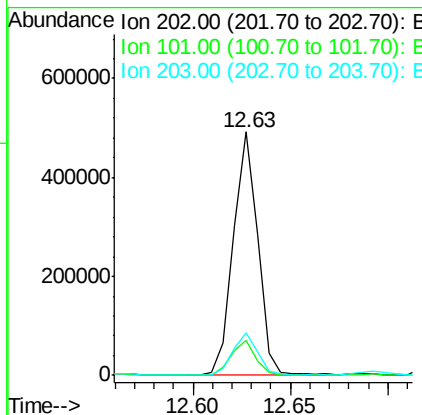
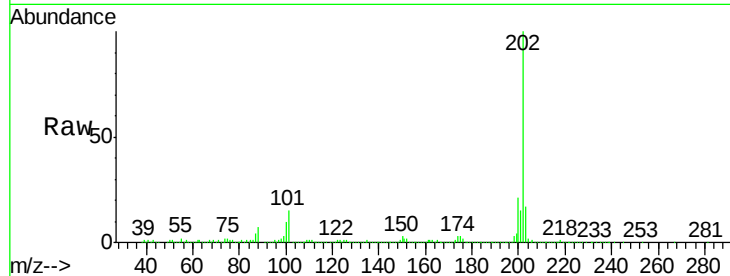
ClientSampleId :

OR-01-030118-B

Tot Ion:	202	Resp:	427292
Ion Ratio		Lower	Upper
202	100		
101	14.6	0.0	34.1
203	17.3	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

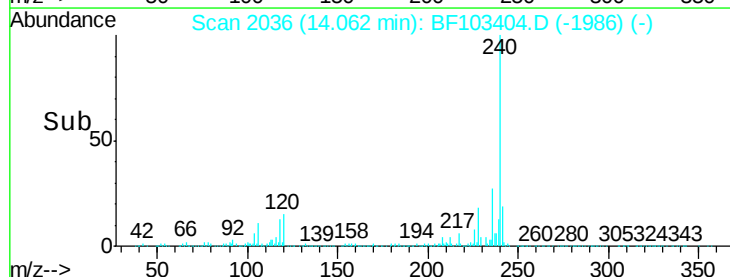
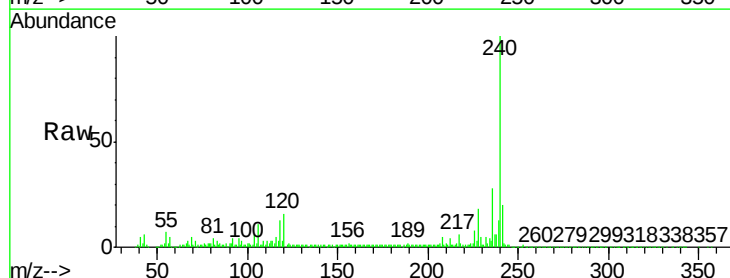
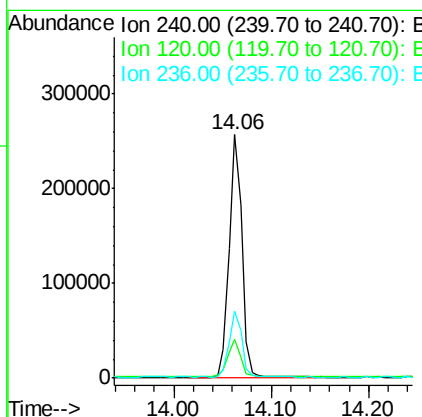
RT: 14.06 min Scan# 2036

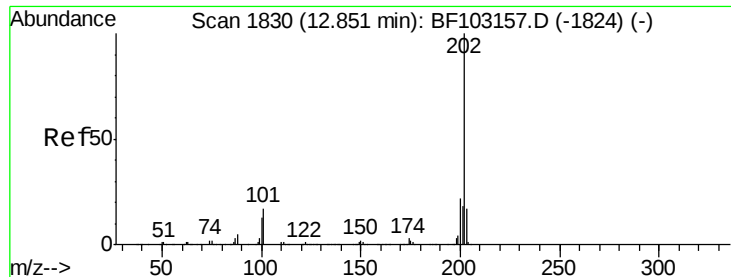
Delta R.T. -0.01 min

Lab File: BF103404.D

Acq: 5 Mar 2018 12:50

Tgt Ion:	240	Resp:	234783
Ion Ratio		Lower	Upper
240	100		
120	15.8	9.5	14.3#
236	27.5	20.7	31.1





#77

Pvrene

Concen: 22.237 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF103404.D

Acq: 5 Mar 2018 12:50

Instrument :

BNA_F

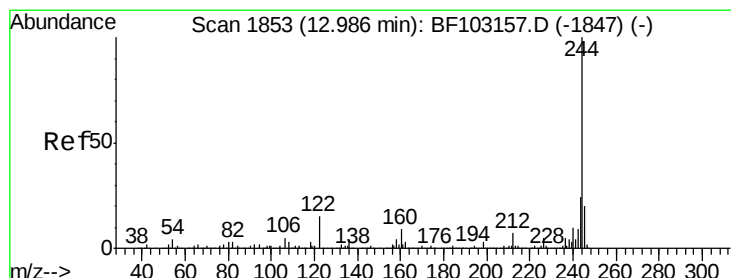
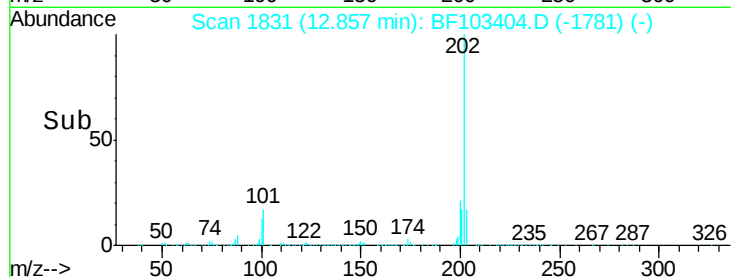
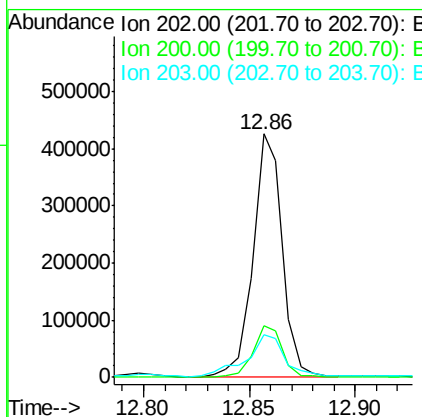
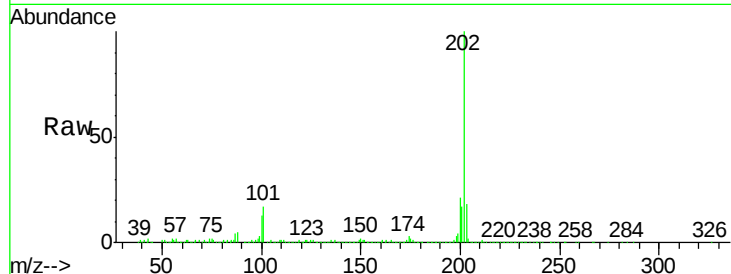
ClientSampleId :

OR-01-030118-B

Tot Ion:	202	Resp:	407047
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.4	26.2
203	17.7	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 27.791 ng

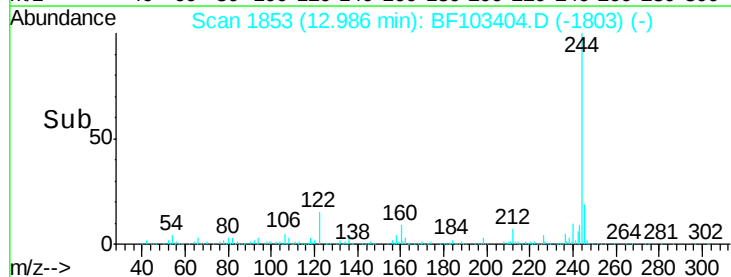
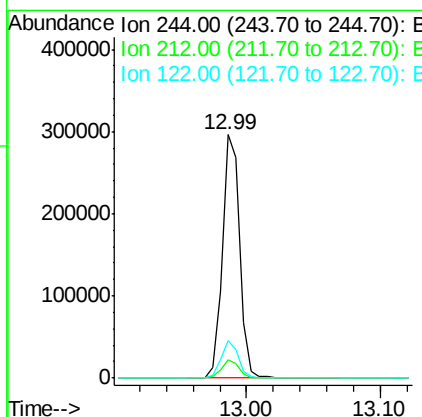
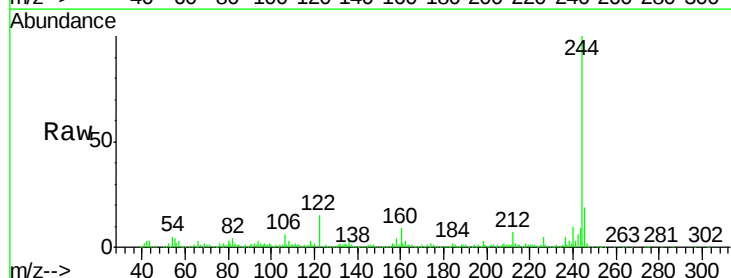
RT: 12.99 min Scan# 1853

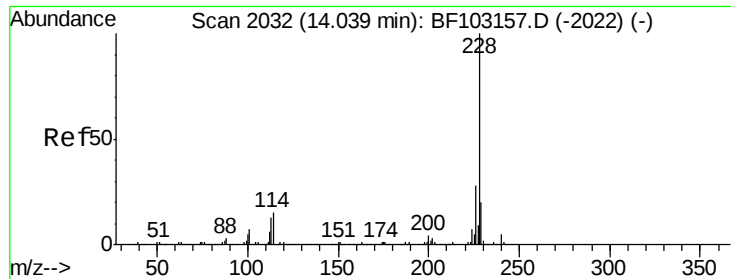
Delta R.T. -0.01 min

Lab File: BF103404.D

Acq: 5 Mar 2018 12:50

Tgt Ion:	244	Resp:	271434
Ion Ratio	Lower	Upper	
244	100		
212	7.5	5.4	8.0
122	15.4	11.0	16.4





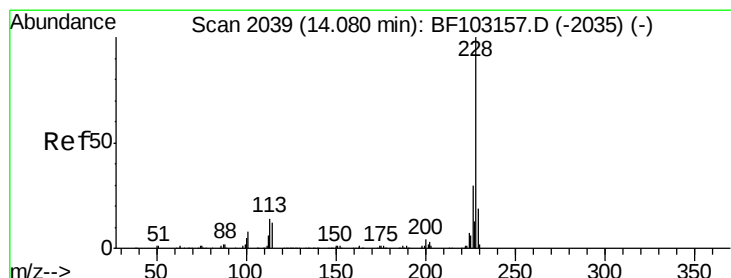
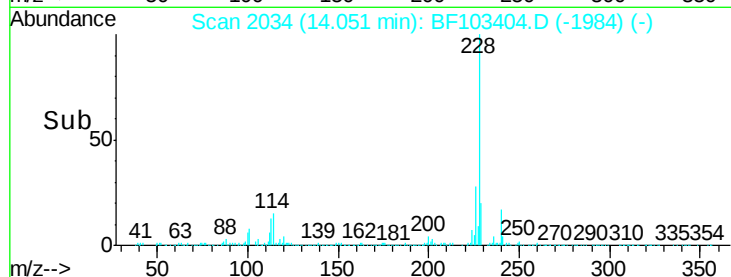
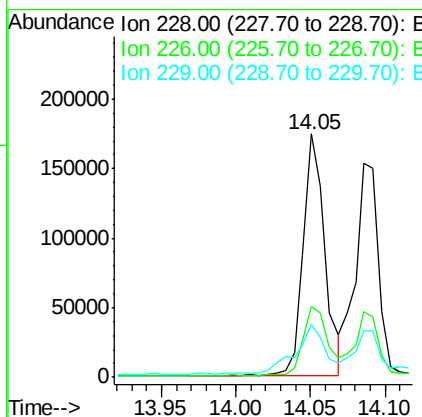
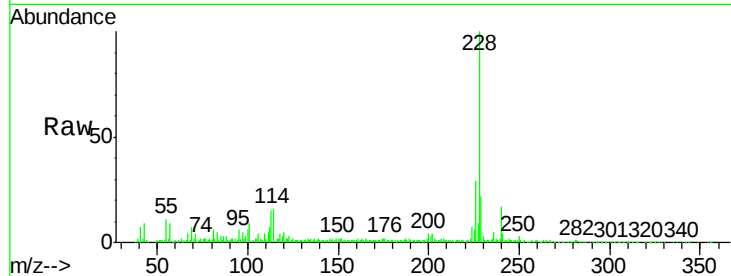
#80
Benzo(a)anthracene
Concen: 11.586 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF103404.D
Acq: 5 Mar 2018 12:50

Instrument :
BNA_F
ClientSampleId :
OR-01-030118-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	22.0	15.8	23.6

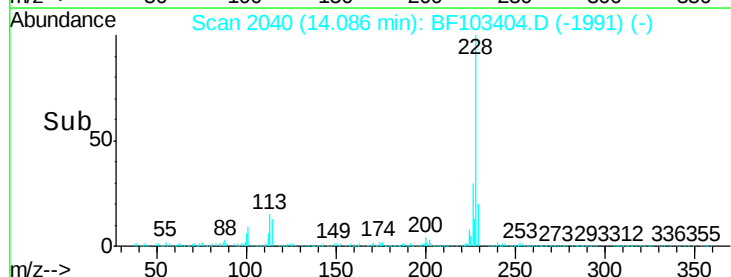
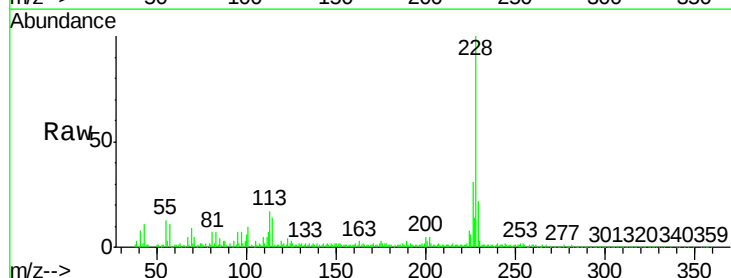
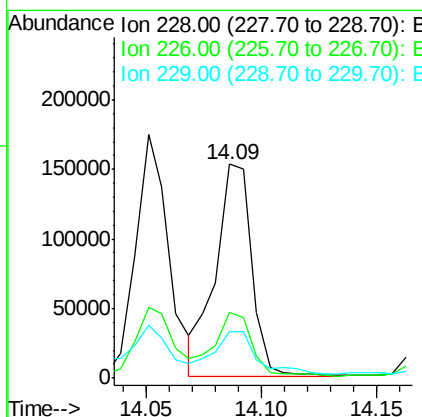
Manual Integrations
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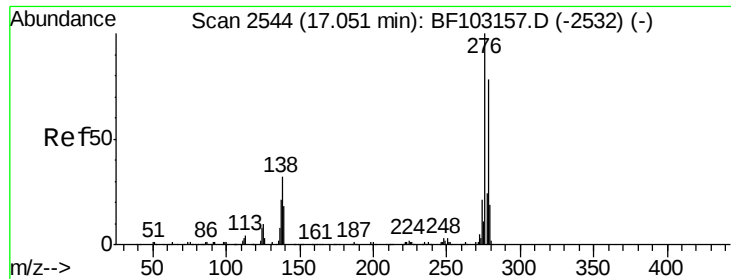
Sohil
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#82
Chrysene
Concen: 11.286 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF103404.D
Acq: 5 Mar 2018 12:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	21.8	16.2	24.4





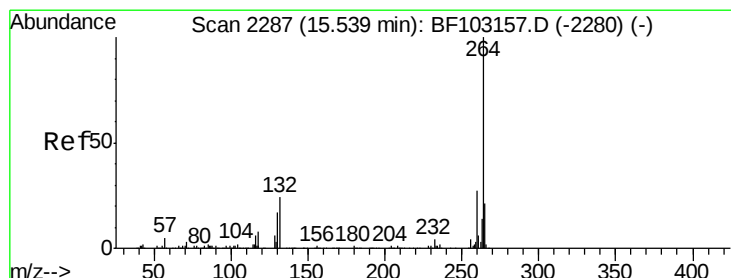
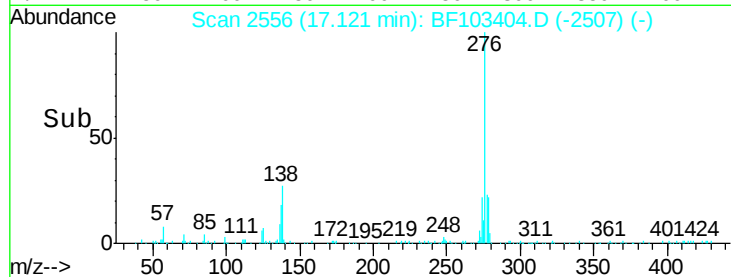
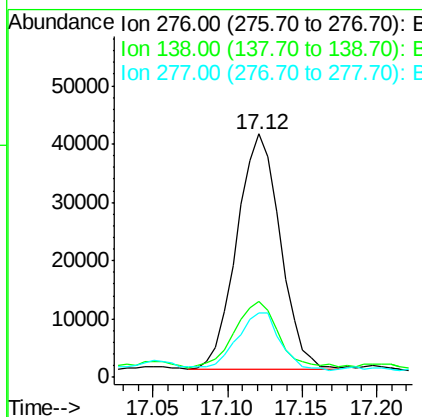
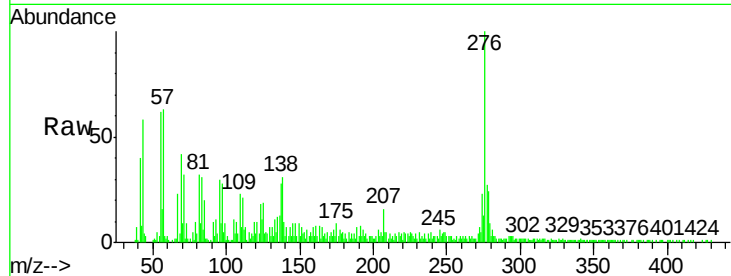
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.952 ng
RT: 17.12 min Scan# 2556
Delta R.T. -0.01 min
Lab File: BF103404.D
Acq: 5 Mar 2018 12:50

Instrument :
BNA_F
ClientSampleId :
OR-01-030118-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.0	25.0	37.6
277	24.4	20.1	30.1

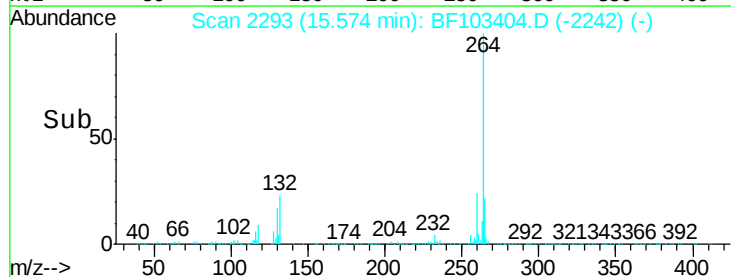
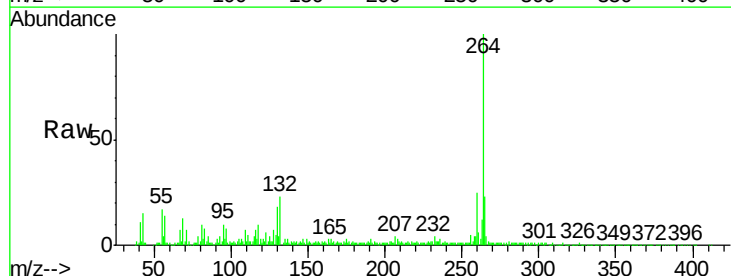
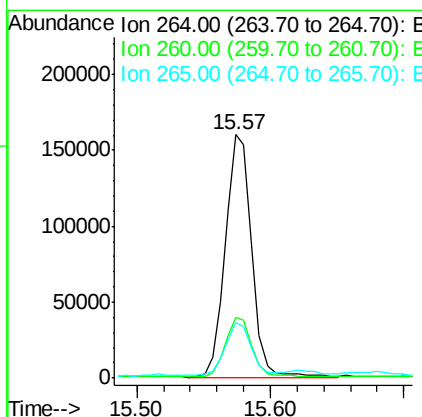
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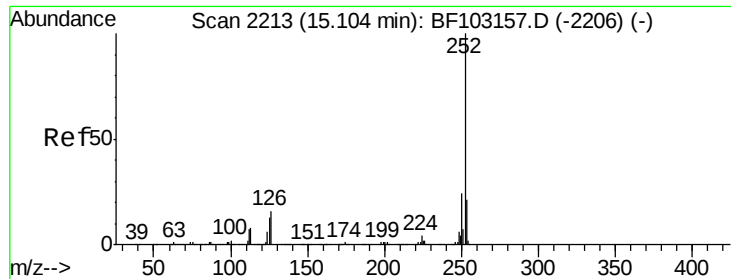
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: BF103404.D
Acq: 5 Mar 2018 12:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.6	17.5	26.3





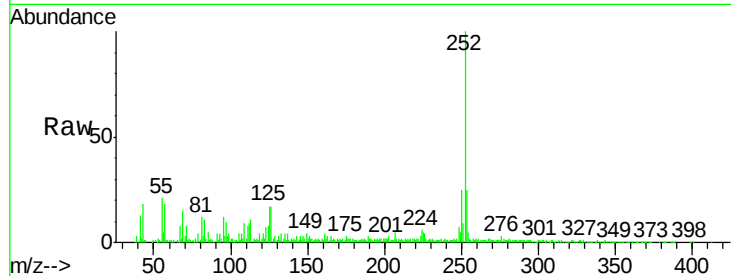
#87
Benzo(b)fluoranthene
Concen: 15.003 ng m
RT: 15.13 min Scan# 2218
Delta R.T. -0.00 min
Lab File: BF103404.D
Acq: 5 Mar 2018 12:50

Instrument :
BNA_F
ClientSampleId :
OR-01-030118-B

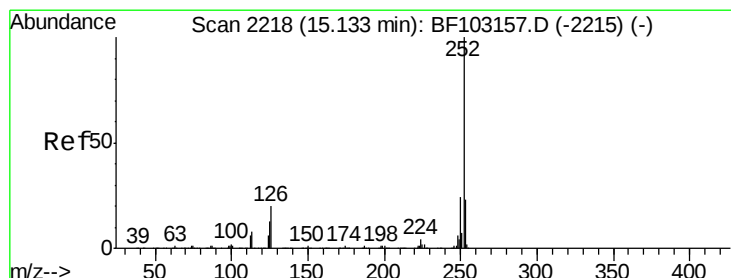
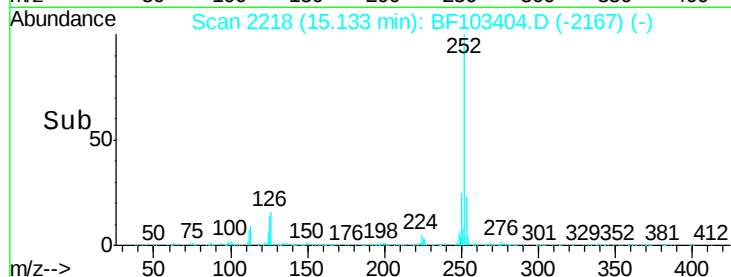
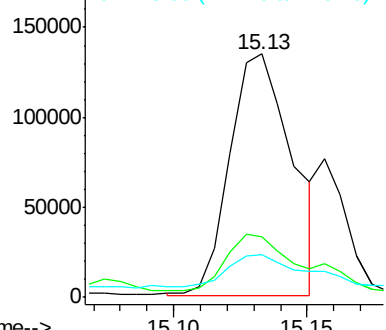
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.0	25.6
125	17.3	9.0	13.6

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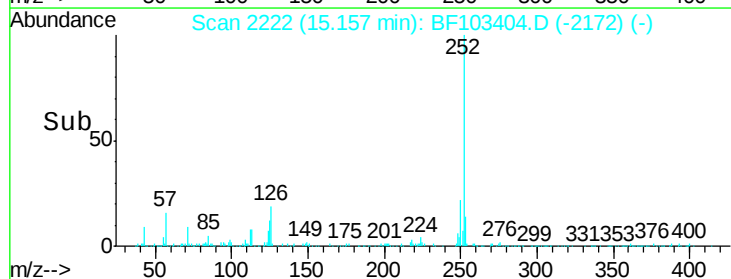
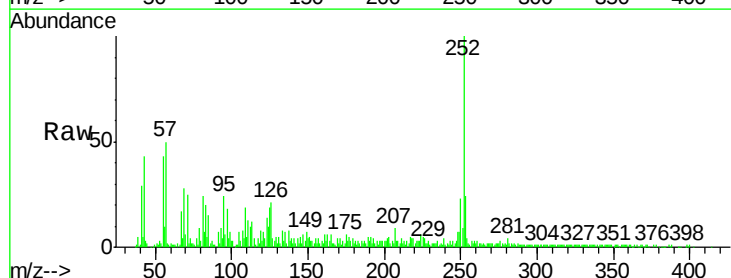
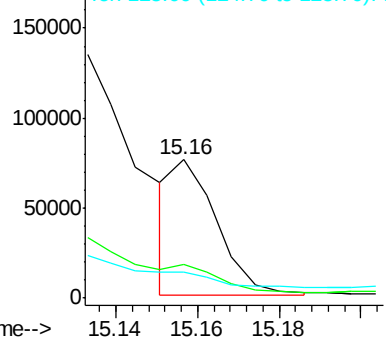
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

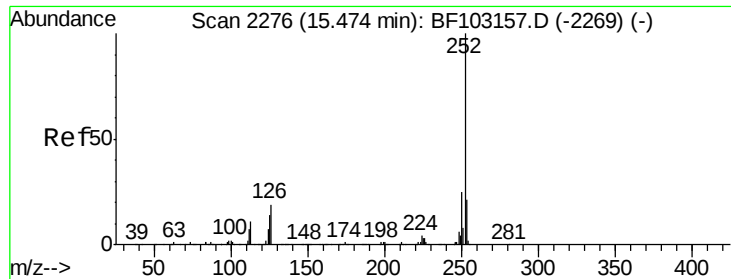


#88
Benzo(k)fluoranthene
Concen: 4.129 ng m
RT: 15.16 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF103404.D
Acq: 5 Mar 2018 12:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	19.3	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





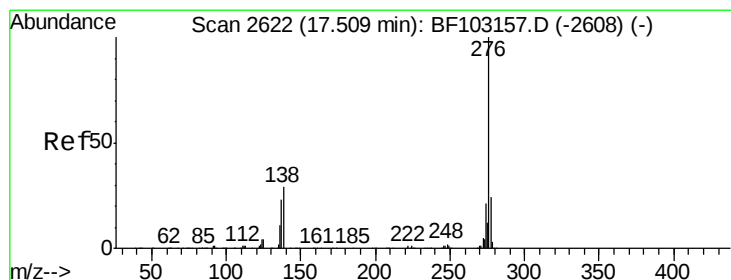
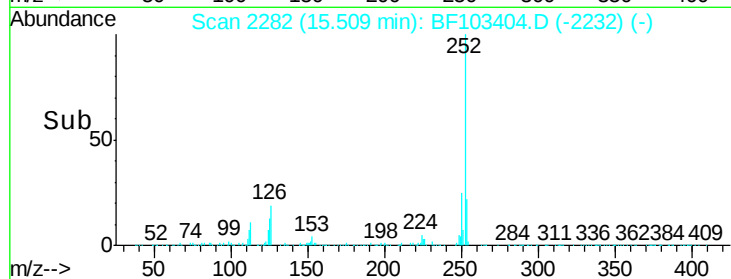
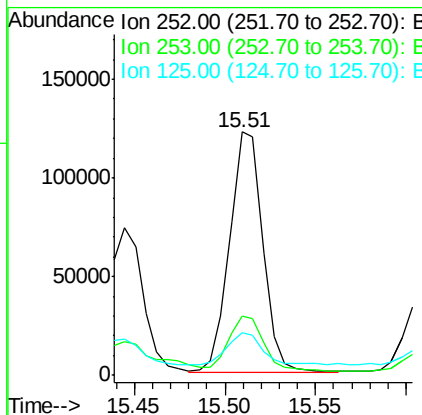
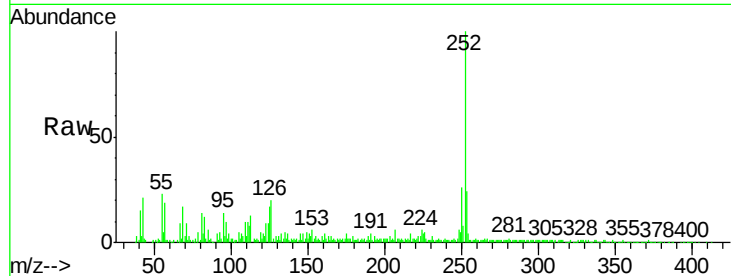
#89
Benzo(a)pyrene
Concen: 12.087 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF103404.D
Acq: 5 Mar 2018 12:50

Instrument :
BNA_F
ClientSampleId :
OR-01-030118-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.1	25.7
125	17.3	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 8.302 ng
RT: 17.60 min Scan# 2637
Delta R.T. 0.01 min
Lab File: BF103404.D
Acq: 5 Mar 2018 12:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.4	17.9	26.9
138	30.7	21.8	32.8

