

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\
 Data File : BF104030.D
 Acq On : 29 Mar 2018 00:13
 Operator : JU/SJ
 Sample : J1756-13 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-032718-B

Manual Integrations
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 3/29/2018 5:36:44 PM

Quant Time: Mar 29 05:29:06 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 13:41:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	116936	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	479492	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	194749	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	289626	20.00	ng	0.00
75) Chrysene-d12	14.16	240	231872	20.00	ng	0.00
86) Perylene-d12	15.70	264	180642	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	127134m	17.34	ng	0.00
7) Phenol-d6	6.60	99	202081	22.40	ng	0.00
23) Nitrobenzene-d5	7.53	82	117746	15.02	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	39902	18.40	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	259283	20.99	ng	0.00
78) Terphenyl-d14	13.08	244	177419	17.67	ng	0.00
Target Compounds						
70) Phenanthrene	11.53	178	91826	5.856	ng	97
74) Fluoranthene	12.72	202	106828	6.409	ng	97
77) Pyrene	12.95	202	103020	6.181	ng	98
80) Benzo(a)anthracene	14.14	228	46624	3.214	ng	95
82) Chrysene	14.18	228	38843	2.733	ng	96
87) Benzo(b)fluoranthene	15.24	252	39400m	3.584	ng	
89) Benzo(a)pyrene	15.63	252	29806	2.926	ng	# 81

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

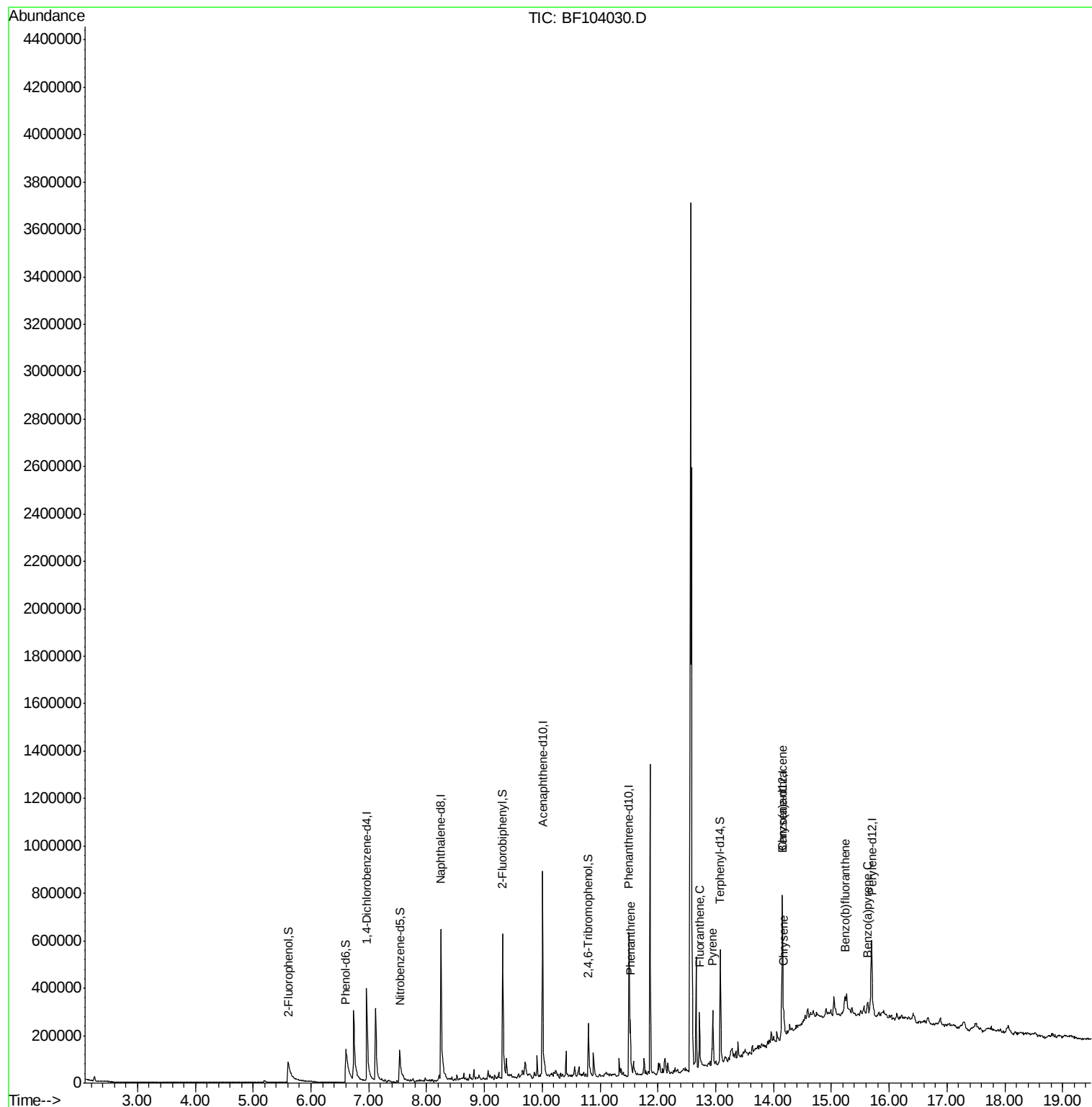
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\
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ALS Vial : 24 Sample Multiplier: 1

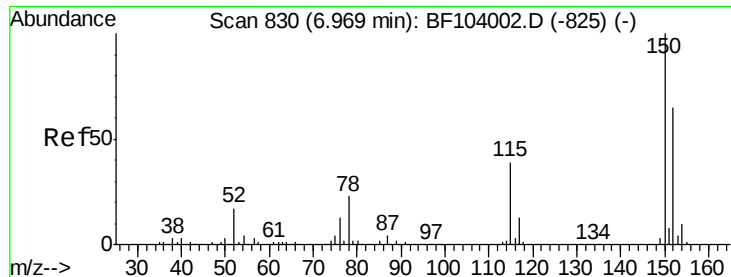
Instrument :
BNA_F
ClientSampleId :
OR-01-032718-B

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Quant Time: Mar 29 05:29:06 2018
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#1

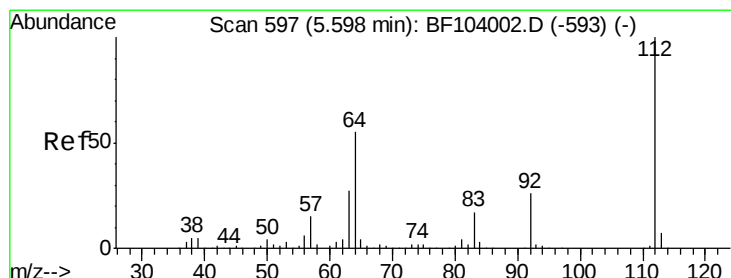
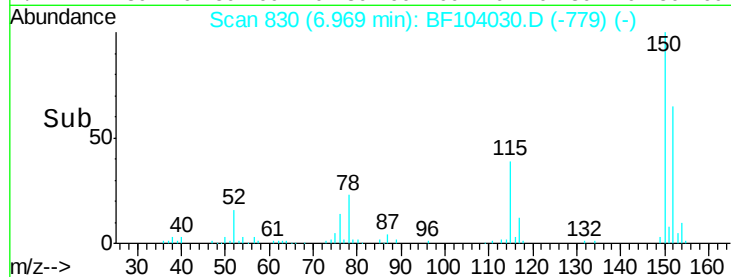
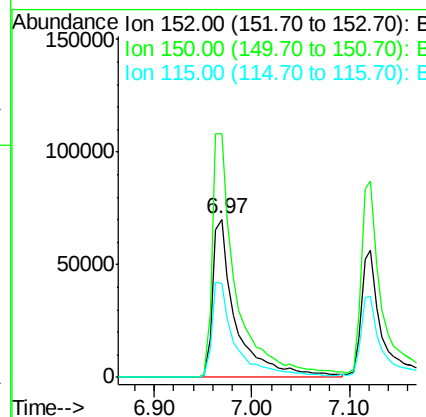
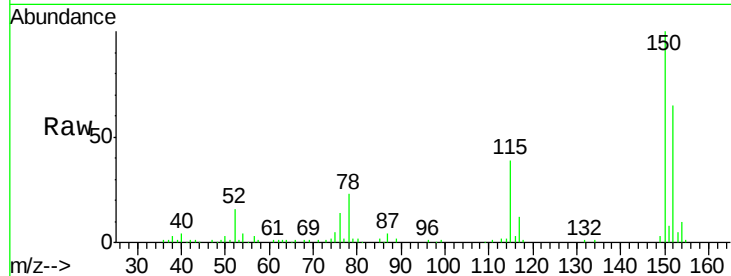
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF104030.D
Acq: 29 Mar 2018 00:13

Instrument :
BNA_F
ClientSampleId :
OR-01-032718-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	124.6	186.8
115	59.4	50.1	75.1

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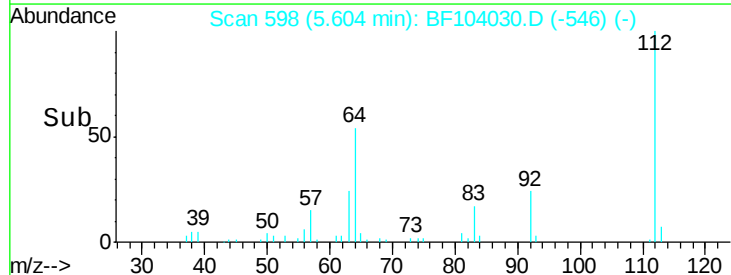
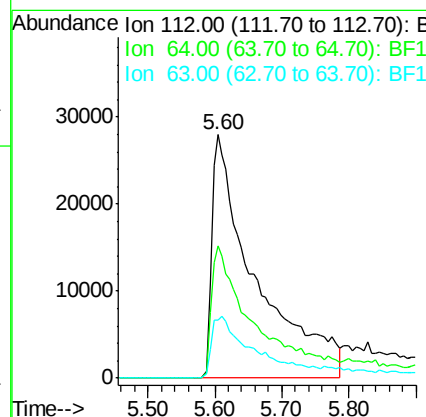
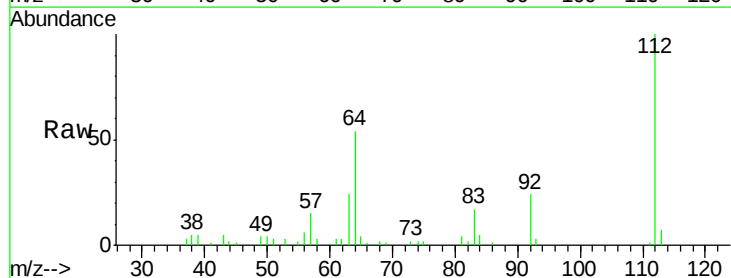
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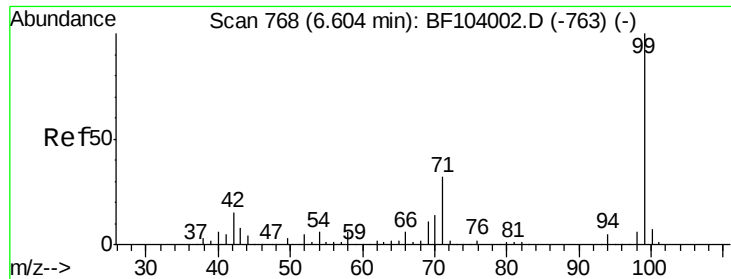


#5

2-Fluorophenol
Concen: 17.338 ng m
RT: 5.60 min Scan# 598
Delta R.T. 0.01 min
Lab File: BF104030.D
Acq: 29 Mar 2018 00:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	47.9	71.9
63	23.9	23.7	35.5





#7

Phenol-d6

Concen: 22.401 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.00 min

Lab File: BF104030.D

Acq: 29 Mar 2018 00:13

Instrument :

BNA_F

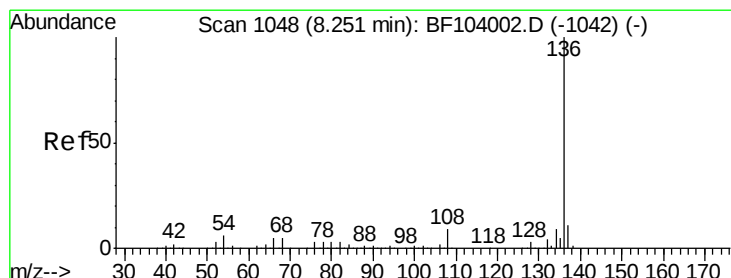
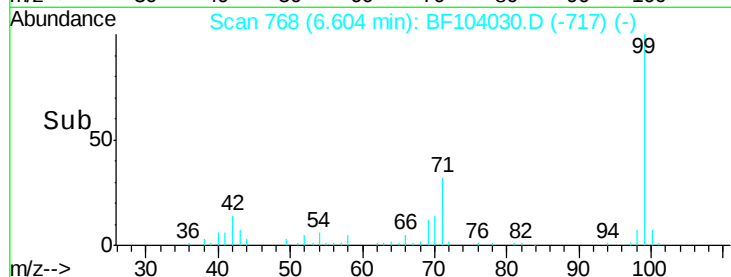
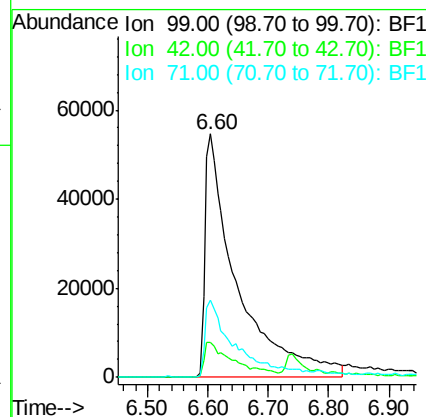
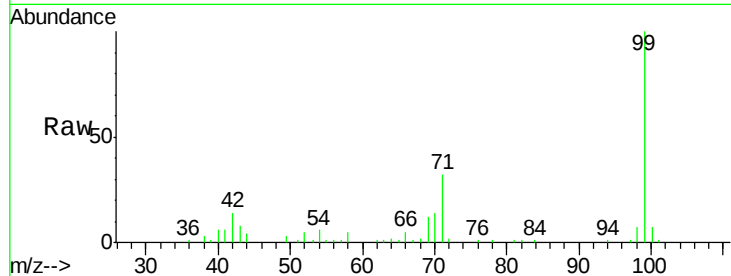
ClientSampleId :

OR-01-032718-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		202081		
42	14.3	14.5	21.7#		
71	31.6	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

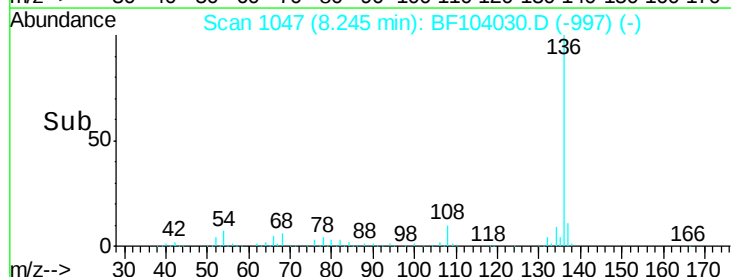
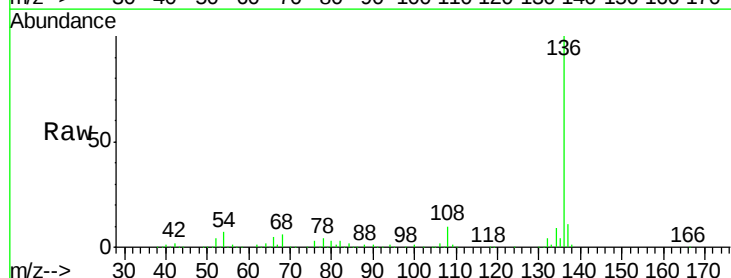
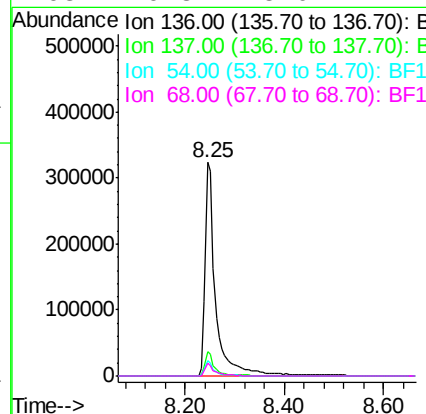
RT: 8.25 min Scan# 1047

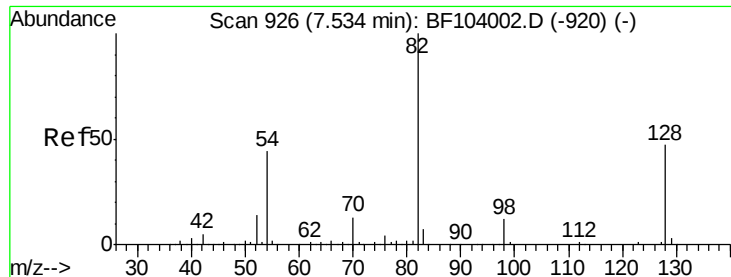
Delta R.T. -0.01 min

Lab File: BF104030.D

Acq: 29 Mar 2018 00:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		479492		
137	11.1	8.9	13.3		
54	7.0	6.6	9.8		
68	6.3	5.0	7.4		





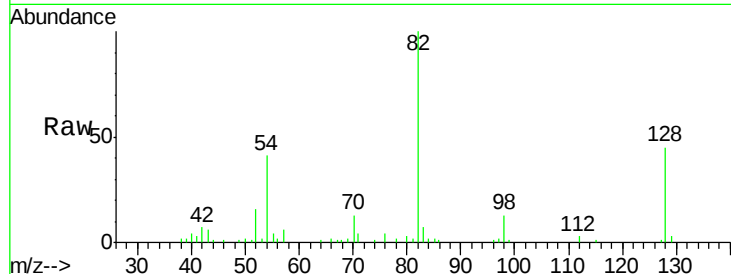
#23
 Nitrobenzene-d5
 Concen: 15.018 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: BF104030.D
 Acq: 29 Mar 2018 00:13

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-032718-B

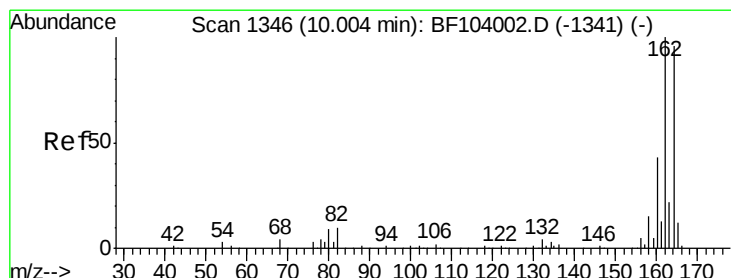
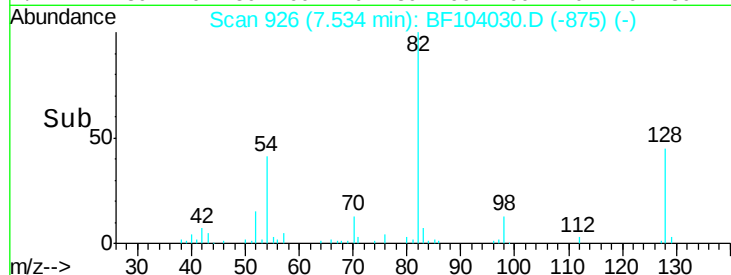
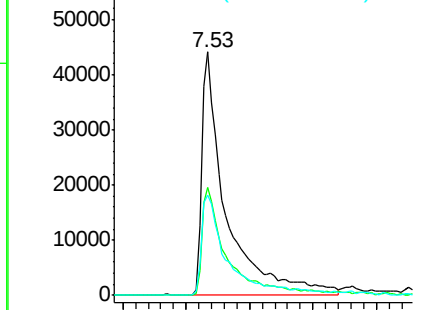
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.6	36.1	54.1
54	41.3	41.4	62.2

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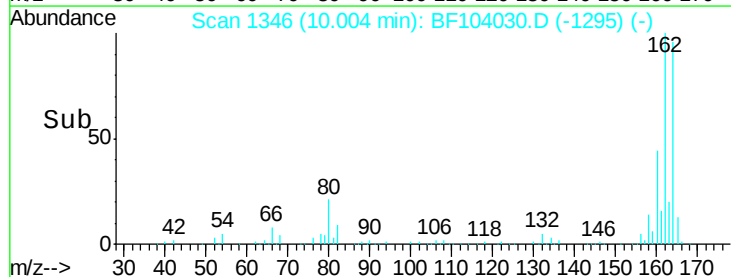
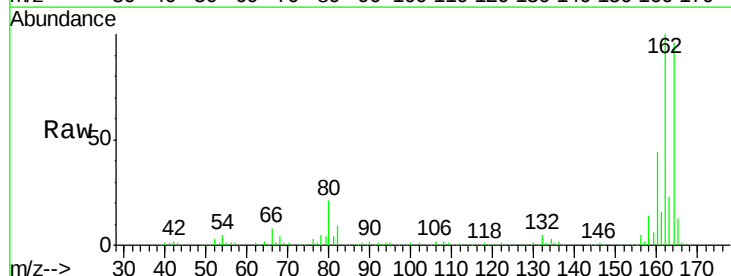
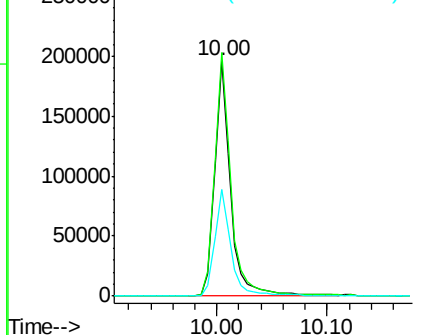
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 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

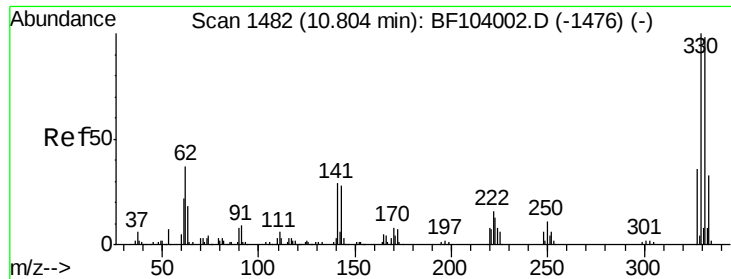


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: BF104030.D
 Acq: 29 Mar 2018 00:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	86.1	129.1
160	45.3	38.3	57.5

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





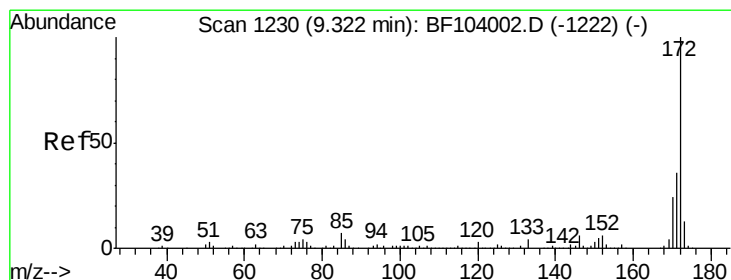
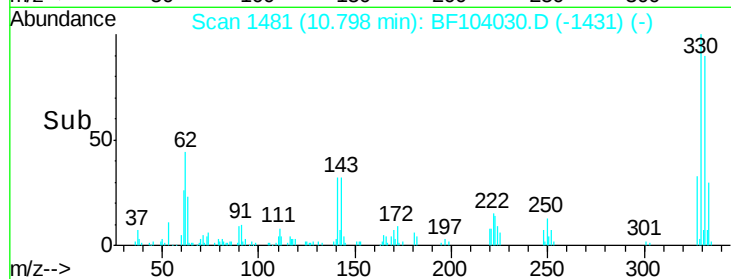
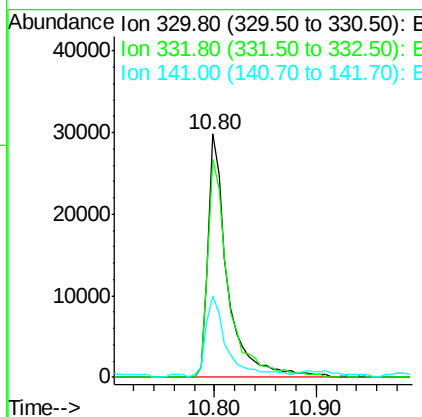
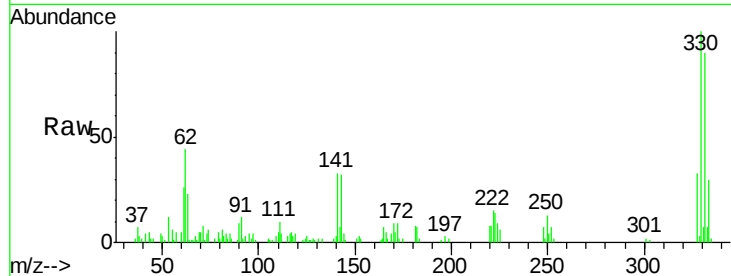
#41
 2,4,6-Tribromophenol
 Concen: 18.400 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: BF104030.D
 Acq: 29 Mar 2018 00:13

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-032718-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.0	115.6
141	36.4	29.9	44.9

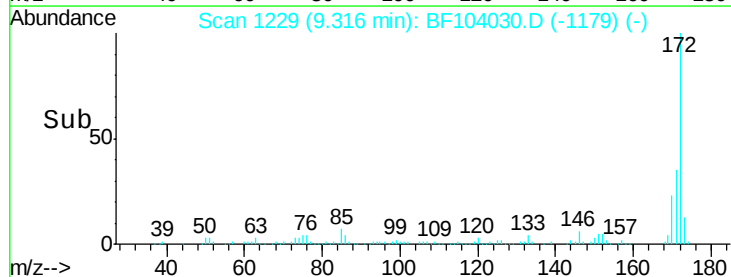
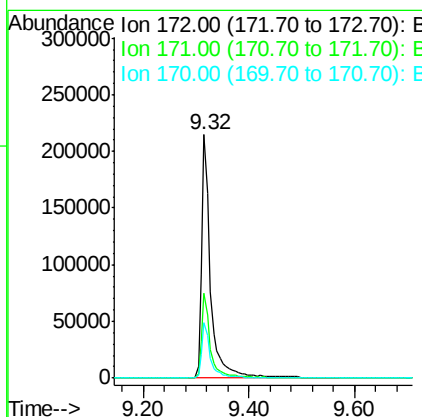
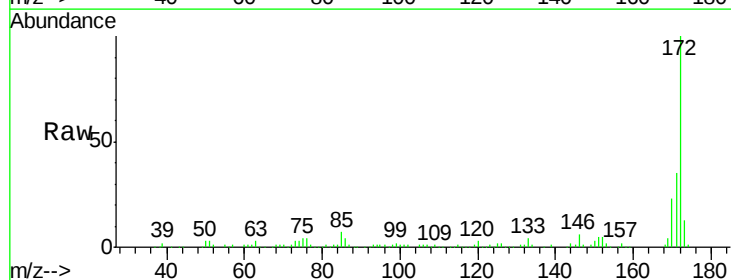
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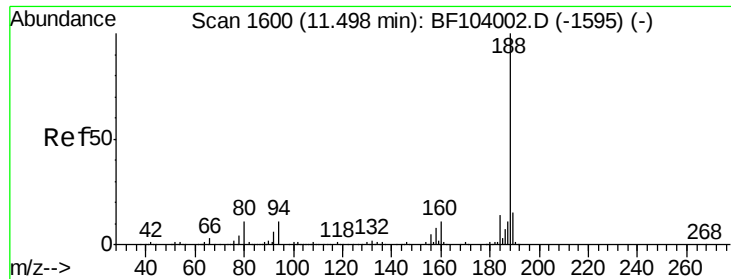
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#44
 2-Fluorobiphenyl
 Concen: 20.995 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF104030.D
 Acq: 29 Mar 2018 00:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.7	44.5
170	22.6	19.6	29.4





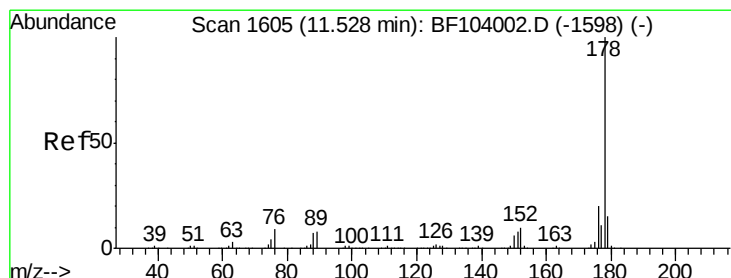
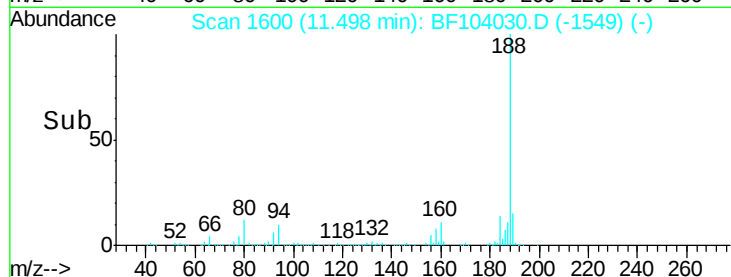
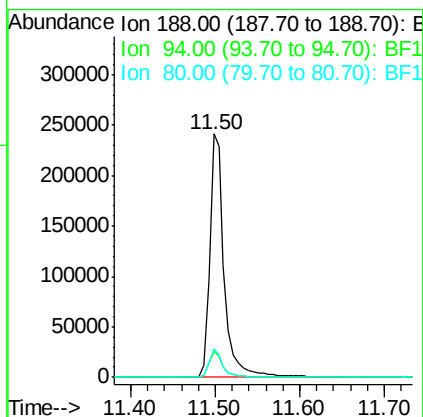
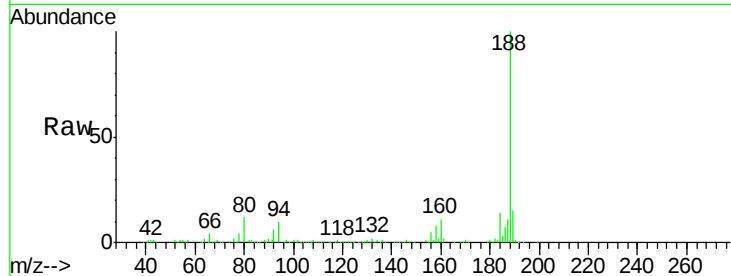
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BF104030.D
Acq: 29 Mar 2018 00:13

Instrument :
BNA_F
ClientSampleId :
OR-01-032718-B

Tot Ion	Ratio	Resp	Lower	Upper
188	100	289626		
94	10.5		8.5	12.7
80	11.6		9.2	13.8

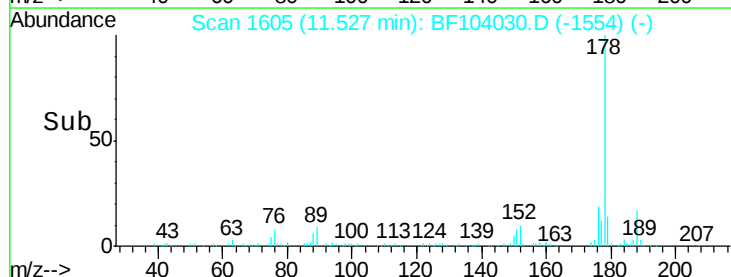
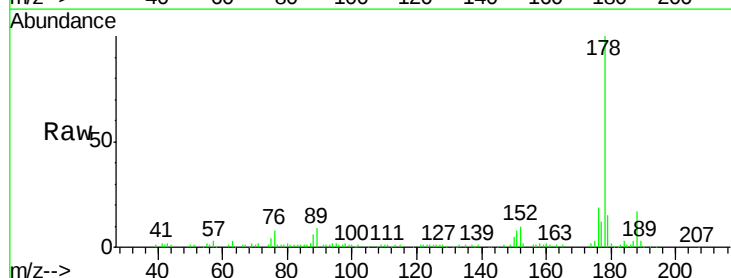
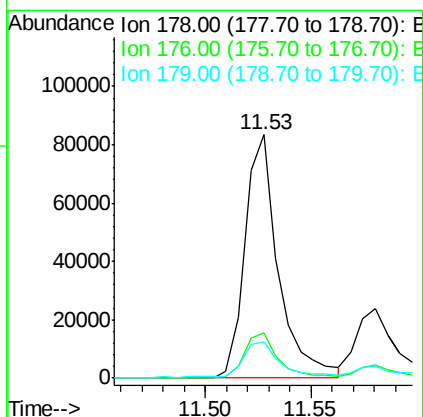
Manual Integrations
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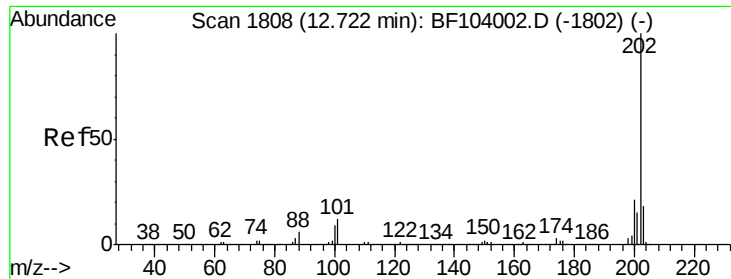
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#70
Phenanthrene
Concen: 5.856 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BF104030.D
Acq: 29 Mar 2018 00:13

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	91826		
176	18.5		15.8	23.8
179	14.9		13.0	19.6





#74

Fluoranthene

Concen: 6.409 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF104030.D

Acq: 29 Mar 2018 00:13

Instrument :

BNA_F

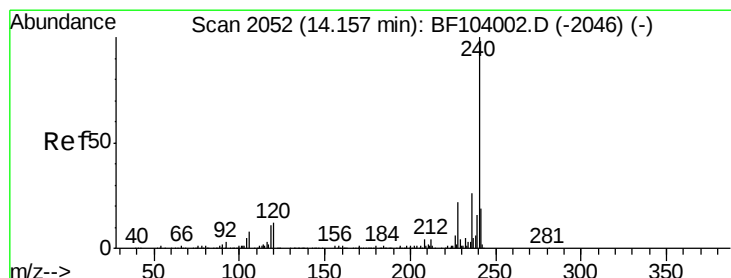
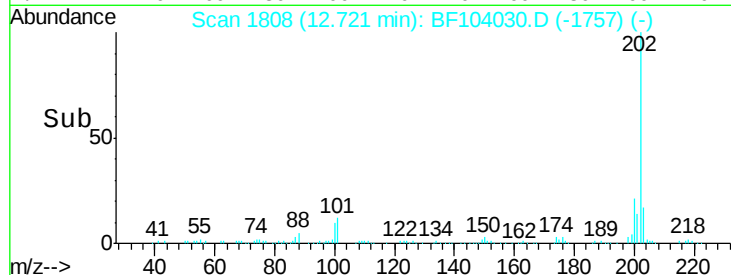
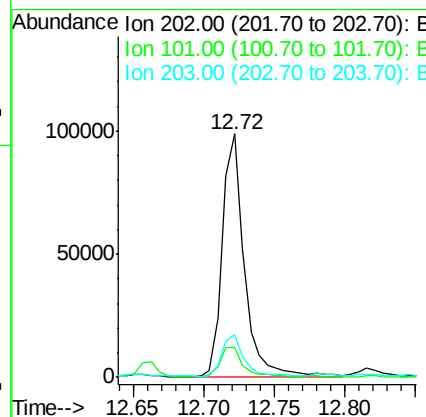
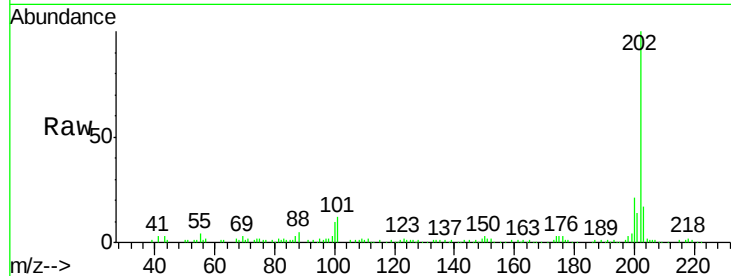
ClientSampleId :

OR-01-032718-B

Tot Ion	Ratio	Resp	Lower	Upper
202	100	106828		
101	12.3	0.0	34.1	
203	17.3	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

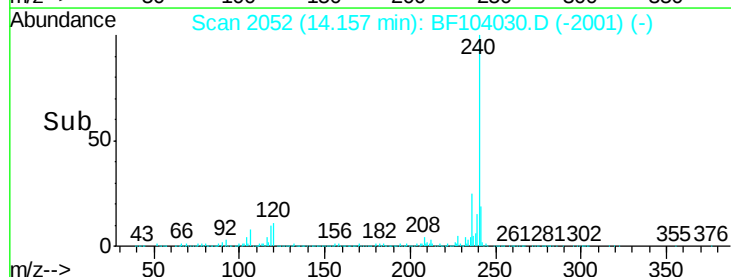
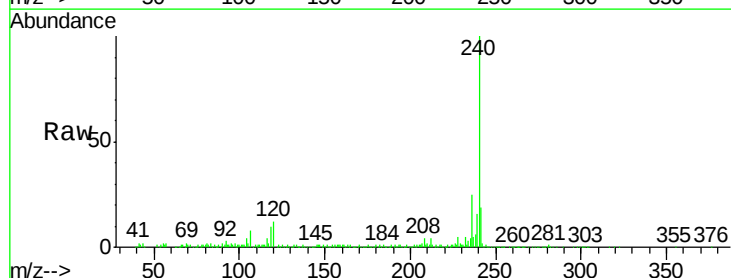
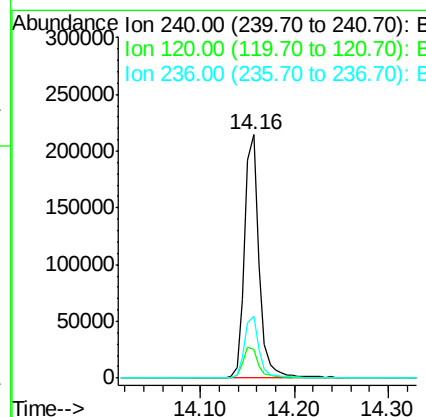
RT: 14.16 min Scan# 2052

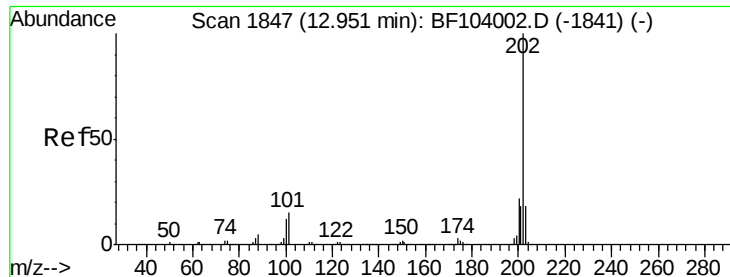
Delta R.T. -0.00 min

Lab File: BF104030.D

Acq: 29 Mar 2018 00:13

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	231872		
120	11.6	9.5	14.3	
236	25.2	20.7	31.1	





#77

Pvrene

Concen: 6.181 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.00 min

Lab File: BF104030.D

Acq: 29 Mar 2018 00:13

Instrument :

BNA_F

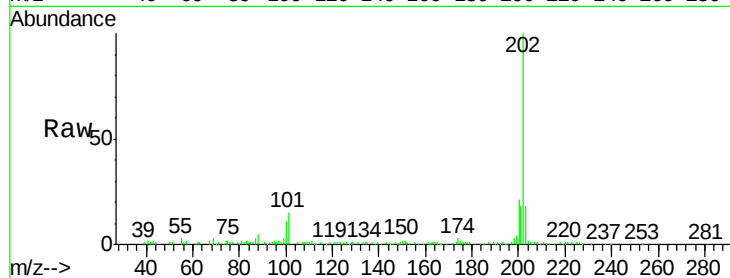
ClientSampleId :

OR-01-032718-B

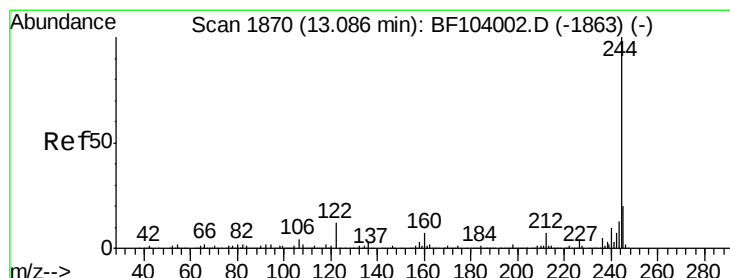
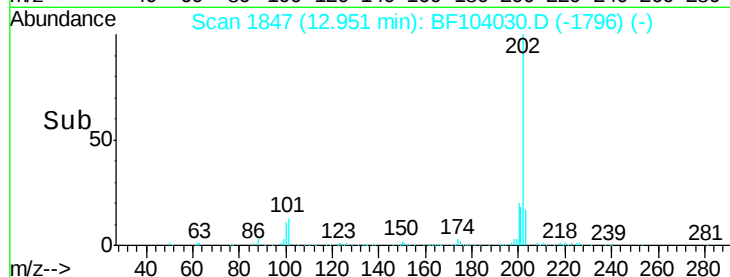
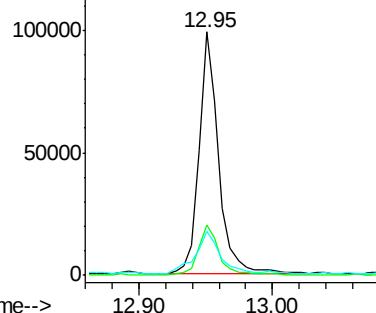
Tot Ion:	202	Resp:	103020
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.4	26.2
203	18.0	14.3	21.5

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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: 17.667 ng

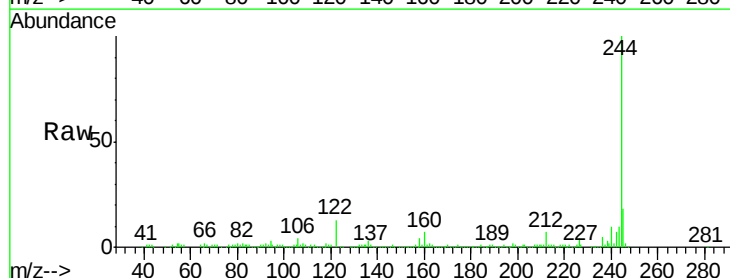
RT: 13.08 min Scan# 1869

Delta R.T. -0.01 min

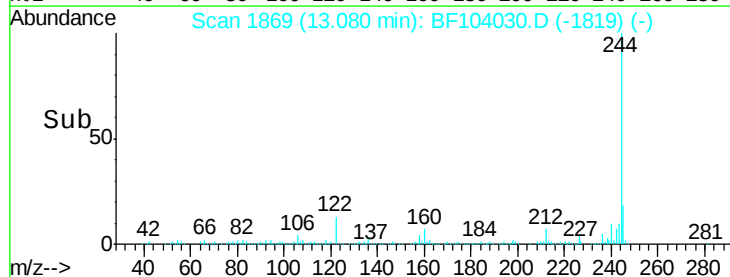
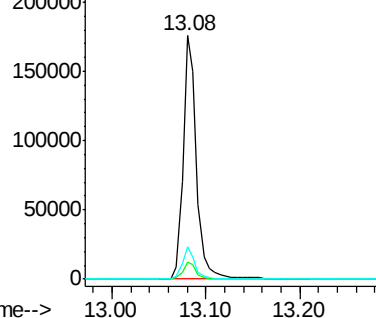
Lab File: BF104030.D

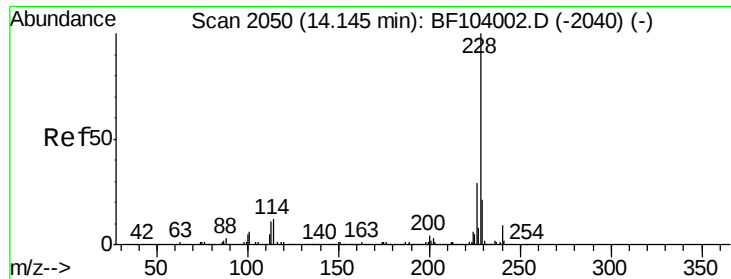
Acq: 29 Mar 2018 00:13

Tgt Ion:	244	Resp:	177419
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.0
122	13.3	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





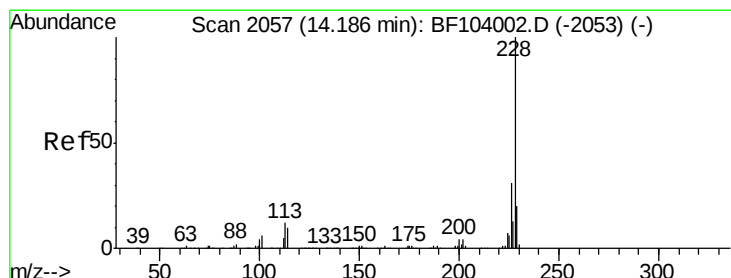
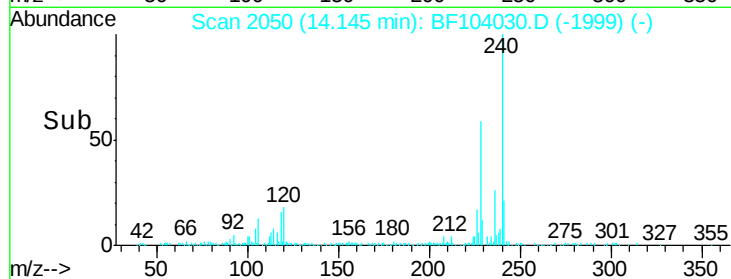
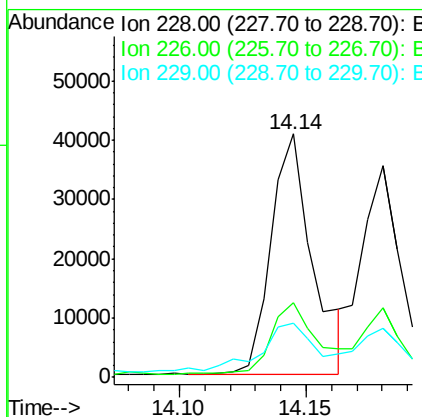
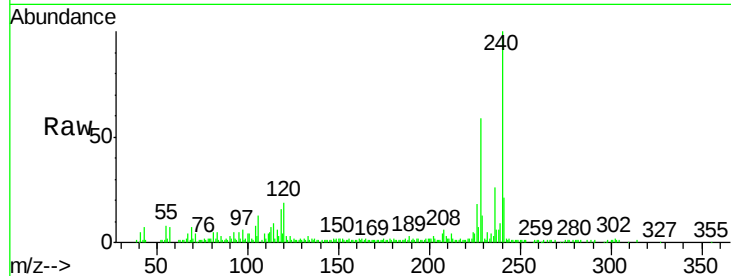
#80
Benzo(a)anthracene
Concen: 3.214 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.00 min
Lab File: BF104030.D
Acq: 29 Mar 2018 00:13

Instrument :
BNA_F
ClientSampleId :
OR-01-032718-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.6	33.8
229	22.2	15.8	23.6

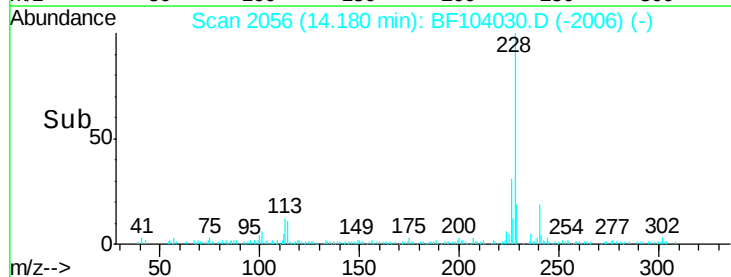
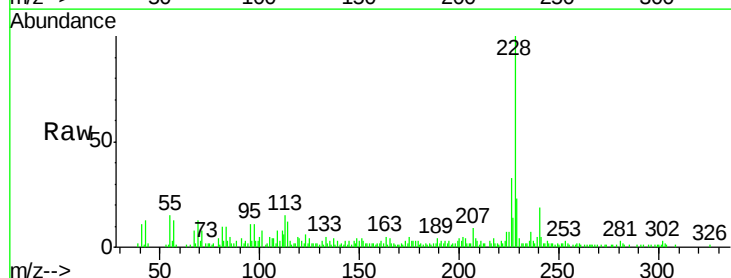
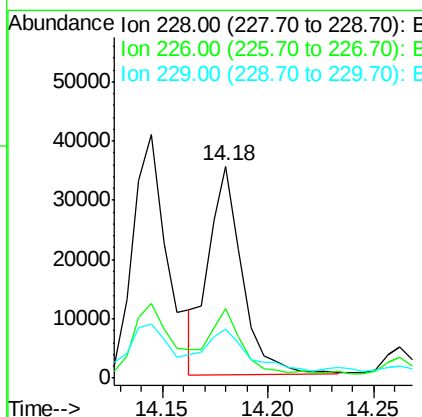
Manual Integrations
APPROVED

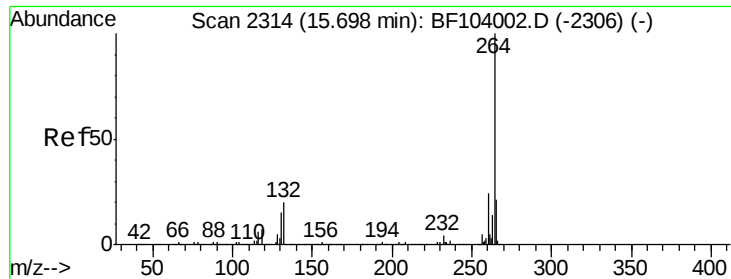
Sohil
3/29/2018 5:36:44 PM



#82
Chrysene
Concen: 2.733 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF104030.D
Acq: 29 Mar 2018 00:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.9	25.0	37.6
229	23.2	16.2	24.4





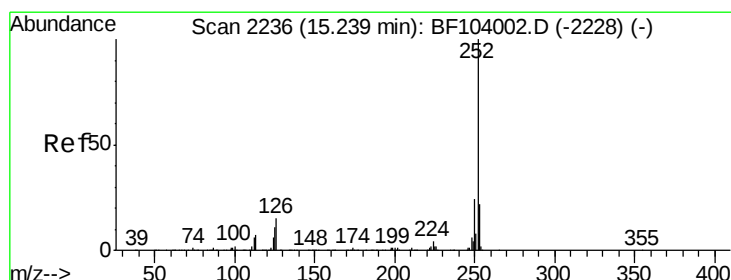
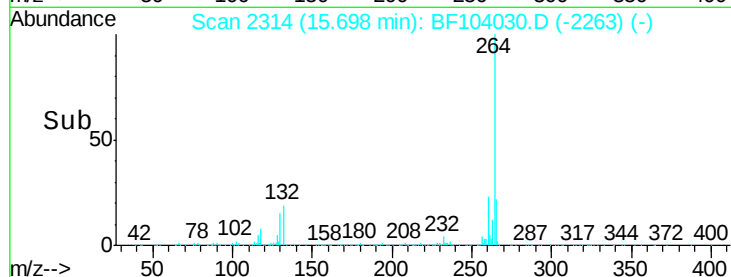
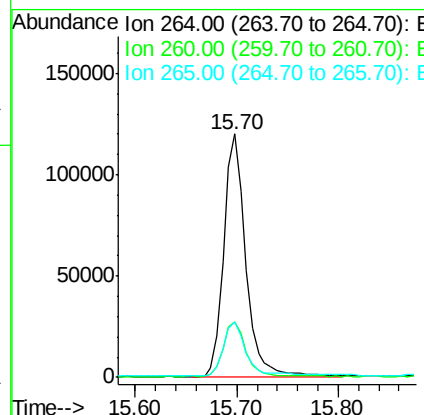
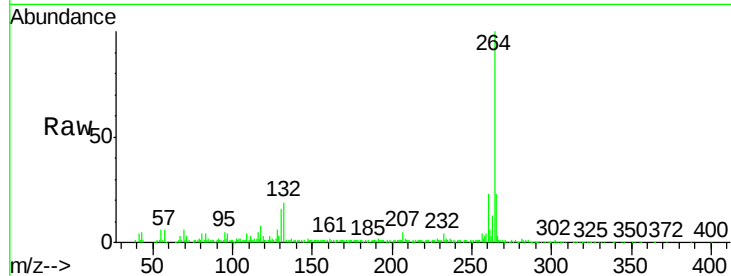
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2314
Delta R.T. -0.00 min
Lab File: BF104030.D
Acq: 29 Mar 2018 00:13

Instrument :
BNA_F
ClientSampleId :
OR-01-032718-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	22.7	17.5	26.3

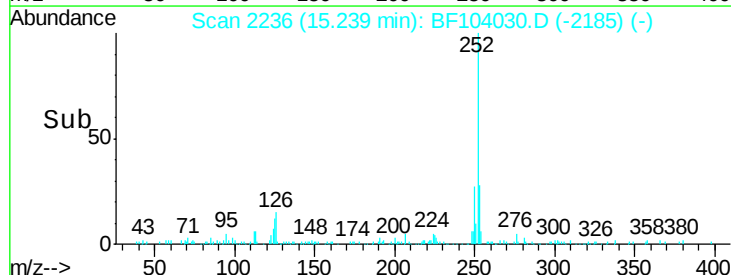
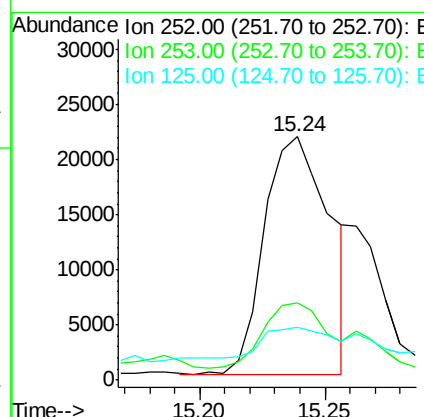
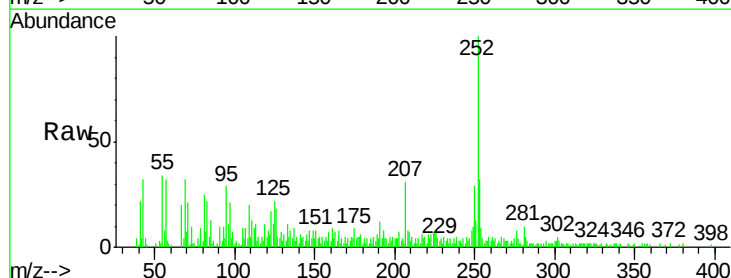
Manual Integrations
APPROVED

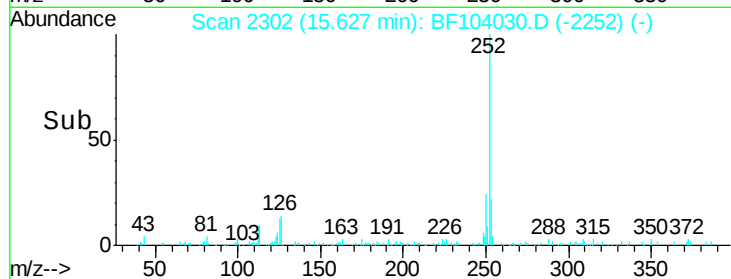
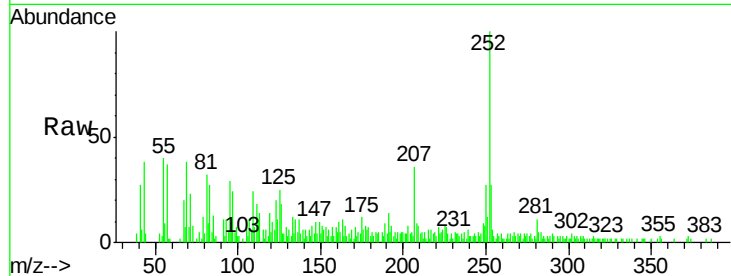
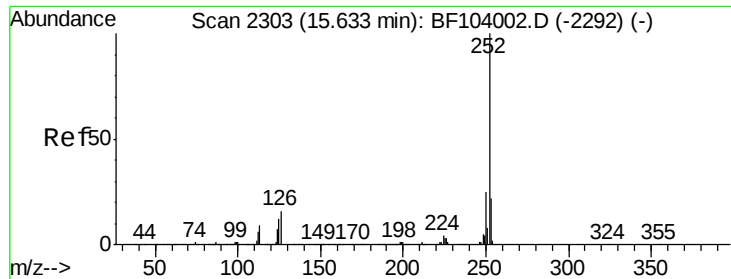
Sohil
3/29/2018 5:36:44 PM



#87
Benzo(b)fluoranthene
Concen: 3.584 ng m
RT: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF104030.D
Acq: 29 Mar 2018 00:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.7	17.0	25.6#
125	22.0	9.0	13.6#





#89

Benzo(a)pyrene

Concen: 2.926 ng

RT: 15.63 min Scan# 2302

Delta R.T. -0.01 min

Lab File: BF104030.D

Acq: 29 Mar 2018 00:13

Instrument :

BNA_F

ClientSampleId :

OR-01-032718-B

Tot Ion:	252	Resp:	29806
Ion Ratio	Lower	Upper	
252	100		
253	27.1	17.1	25.7#
125	24.8	9.8	14.6#

Manual Integrations
APPROVED

Sohil
3/29/2018 5:36:44 PM

