

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\
 Data File : BF104029.D
 Acq On : 28 Mar 2018 23:47
 Operator : JU/SJ
 Sample : J1756-11 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

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

Manual Integrations
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 3/29/2018 5:36:41 PM

Quant Time: Mar 29 05:26:25 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	120605	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	499531	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	206605	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	298087	20.00	ng	0.00
75) Chrysene-d12	14.16	240	238294	20.00	ng	0.00
86) Perylene-d12	15.70	264	172615	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	138027	18.25	ng	0.00
7) Phenol-d6	6.60	99	213341	22.93	ng	0.00
23) Nitrobenzene-d5	7.53	82	114571	14.03	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	41881	18.20	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	267264	20.40	ng	0.00
78) Terphenyl-d14	13.09	244	182526	17.69	ng	0.00
Target Compounds						
70) Phenanthrene	11.53	178	152166	9.429	ng	99
71) Anthracene	11.58	178	65245	3.870	ng	98
74) Fluoranthene	12.72	202	230048	13.410	ng	97
77) Pyrene	12.96	202	238073	13.898	ng	98
80) Benzo(a)anthracene	14.14	228	116826	7.835	ng	97
82) Chrysene	14.18	228	100353	6.872	ng	96
85) Indeno(1,2,3-cd)pyrene	17.29	276	33797	2.233	ng	# 88
87) Benzo(b)fluoranthene	15.24	252	85626m	8.151	ng	
88) Benzo(k)fluoranthene	15.26	252	34379m	3.474	ng	
89) Benzo(a)pyrene	15.63	252	68718	7.059	ng	# 90
91) Benzo(g,h,i)perylene	17.77	276	34443	3.821	ng	# 95

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

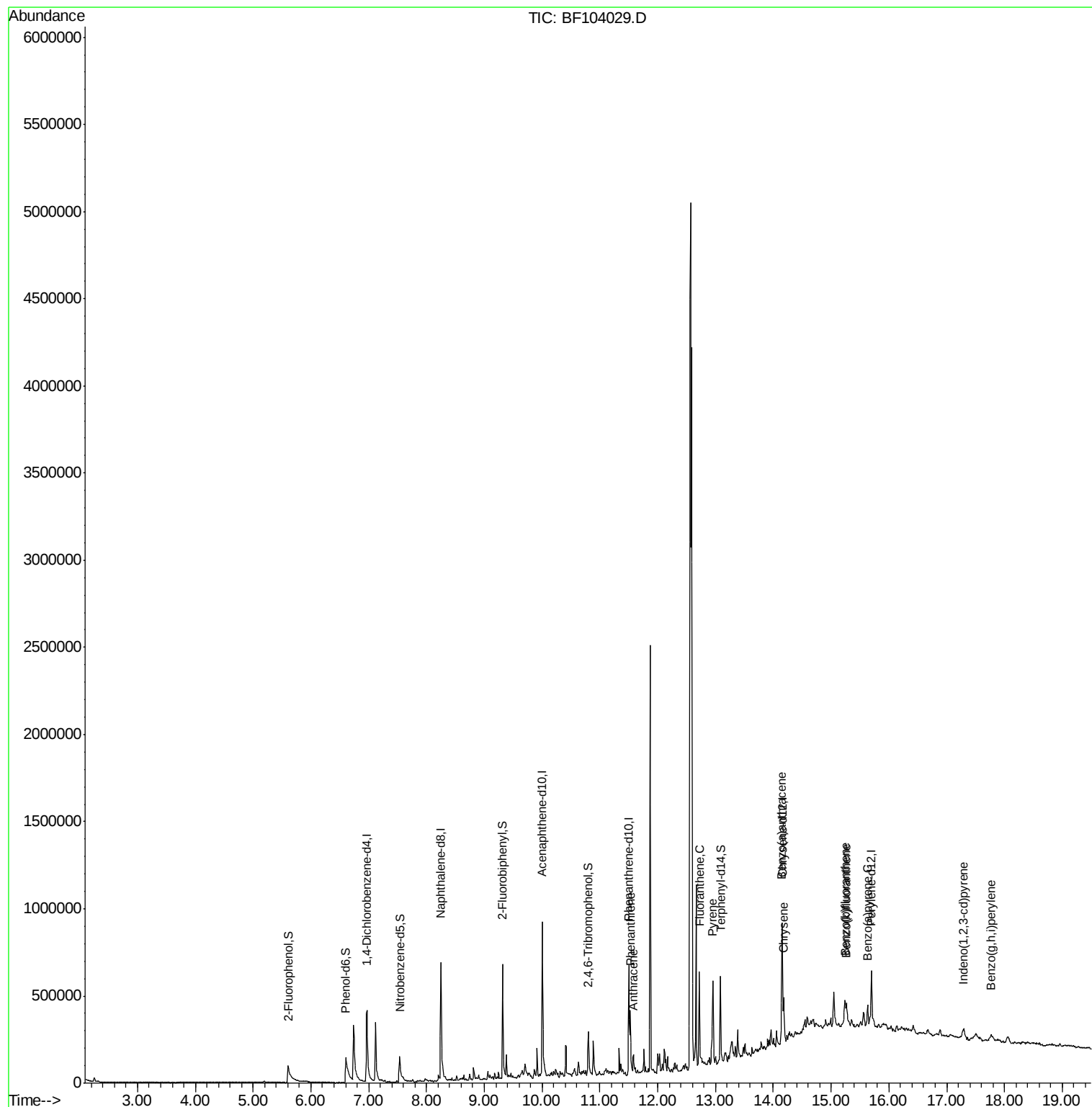
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\
Data File : BF104029.D
Acq On : 28 Mar 2018 23:47
Operator : JU/SJ
Sample : J1756-11 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

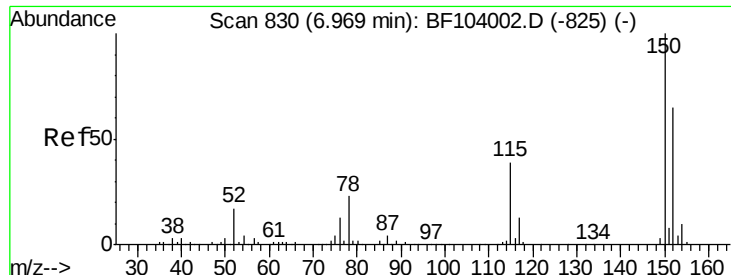
Instrument :
BNA_F
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OR-01-032718-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

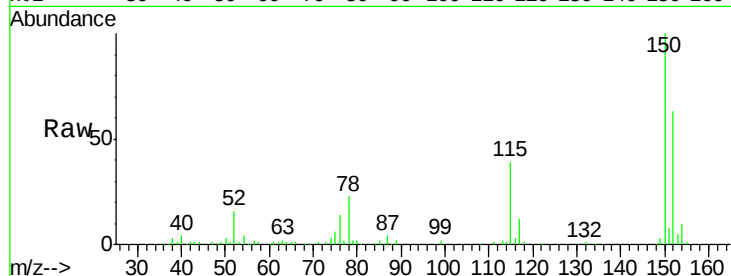
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF104029.D
Acq: 28 Mar 2018 23:47

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	124.6	186.8
115	61.8	50.1	75.1

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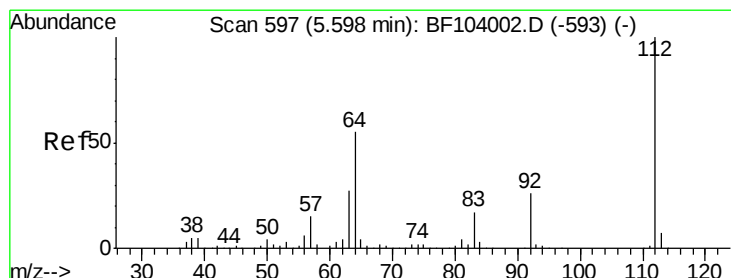
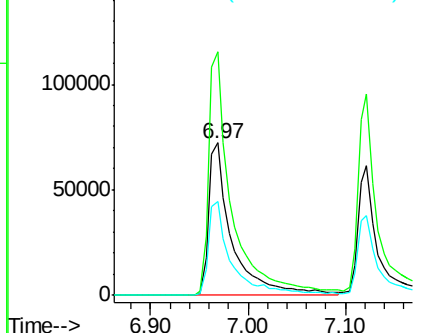
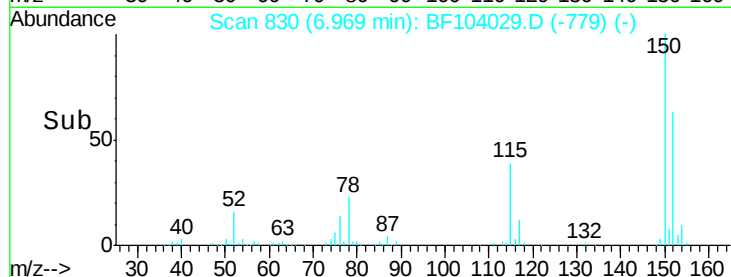


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

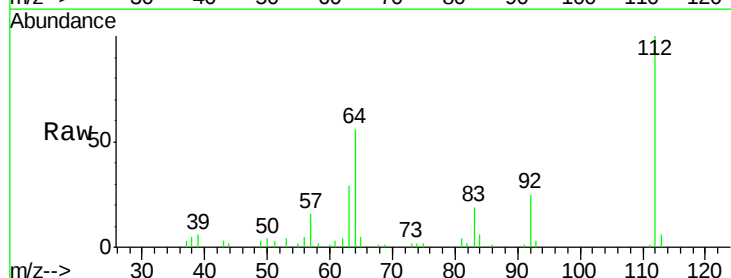
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 18.251 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.01 min
Lab File: BF104029.D
Acq: 28 Mar 2018 23:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	47.9	71.9
63	28.8	23.7	35.5

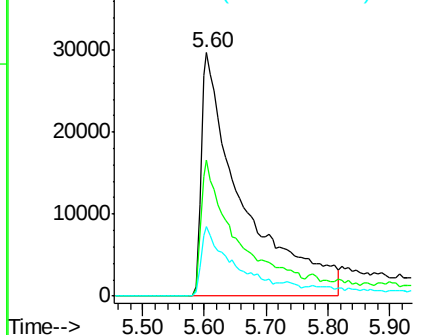
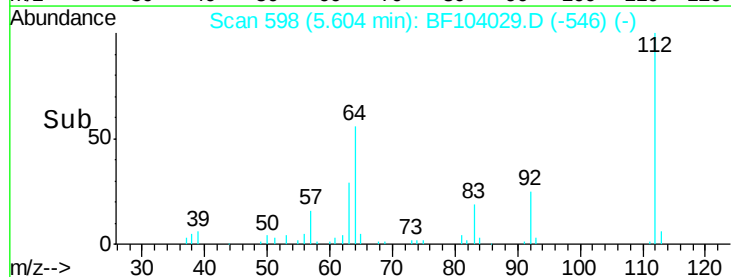


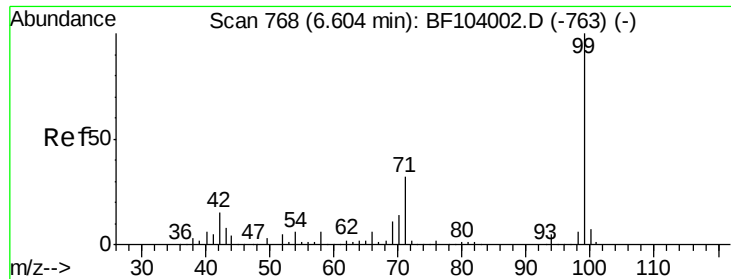
Abundance

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: 22.929 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.00 min

Lab File: BF104029.D

Acq: 28 Mar 2018 23:47

Instrument :

BNA_F

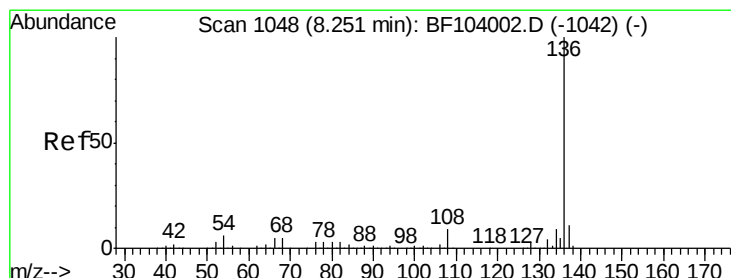
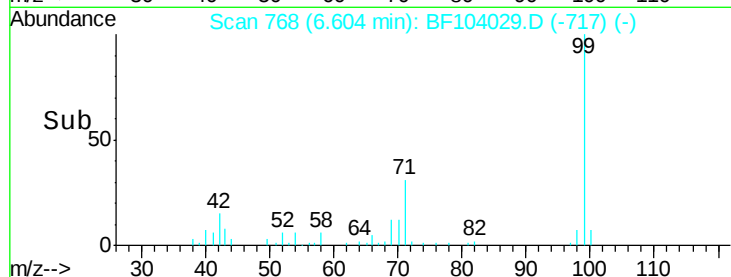
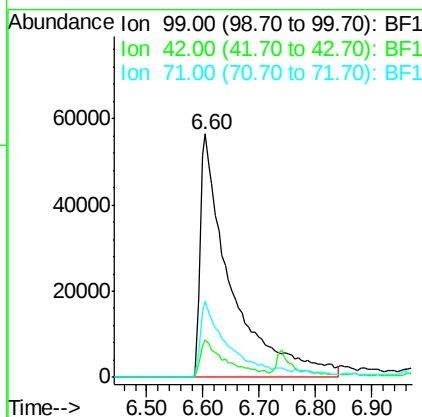
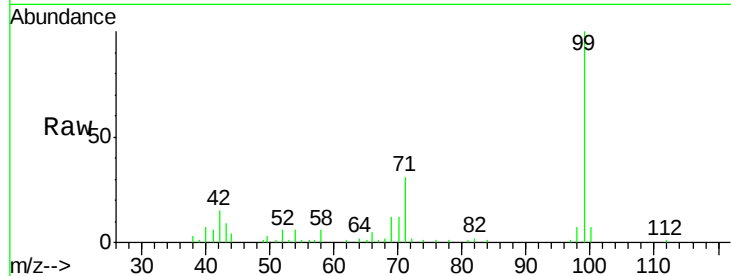
ClientSampleId :

OR-01-032718-A

Tot Ion:	99	Resp:	213341
Ion Ratio	Lower	Upper	
99	100		
42	15.3	14.5	21.7
71	31.1	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

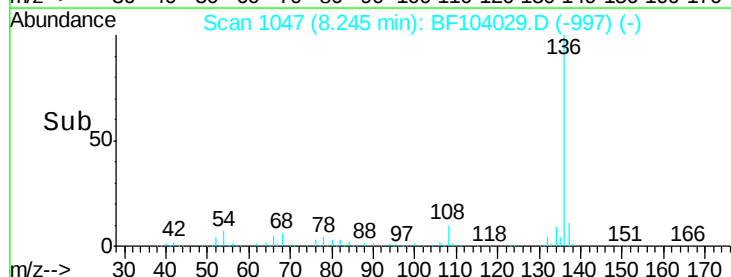
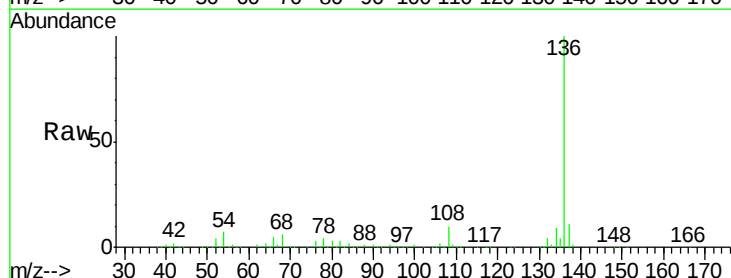
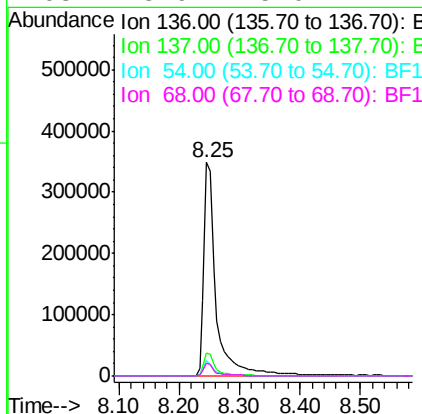
RT: 8.25 min Scan# 1047

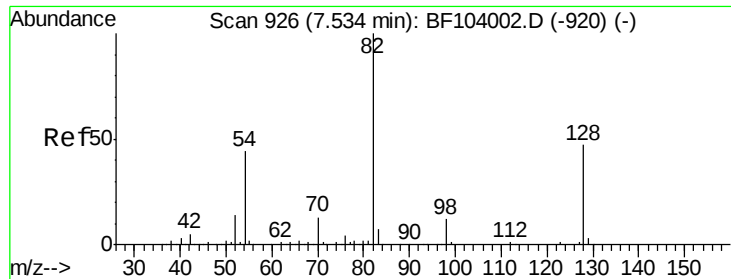
Delta R.T. -0.01 min

Lab File: BF104029.D

Acq: 28 Mar 2018 23:47

Tgt Ion:	136	Resp:	499531
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	6.9	6.6	9.8
68	5.9	5.0	7.4





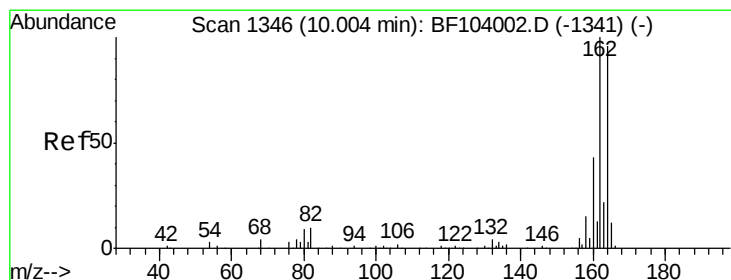
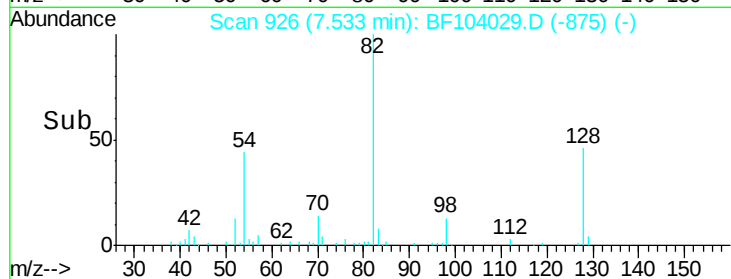
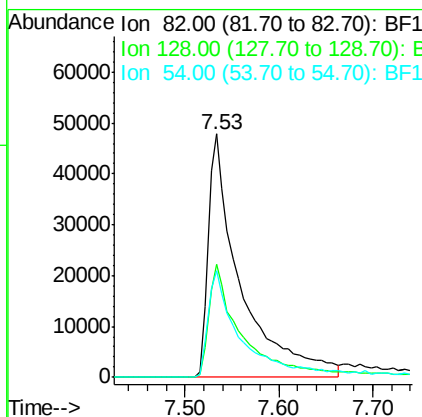
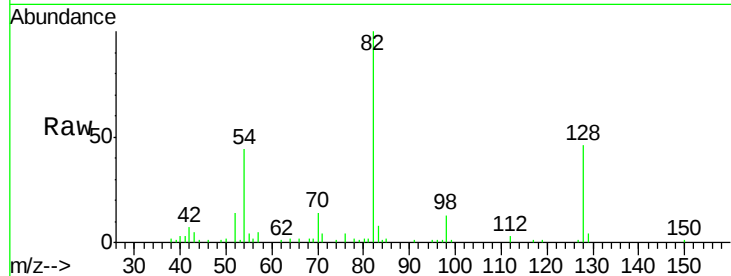
#23
Nitrobenzene-d5
Concen: 14.026 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.00 min
Lab File: BF104029.D
Acq: 28 Mar 2018 23:47

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.5	36.1	54.1
54	43.9	41.4	62.2

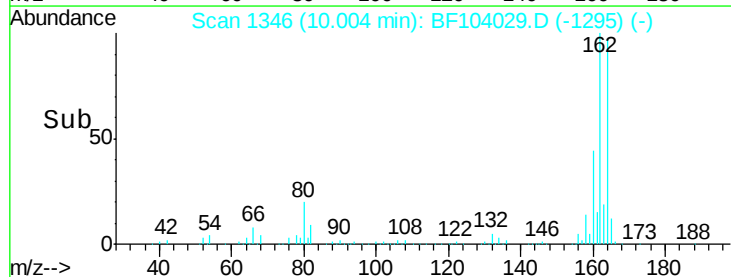
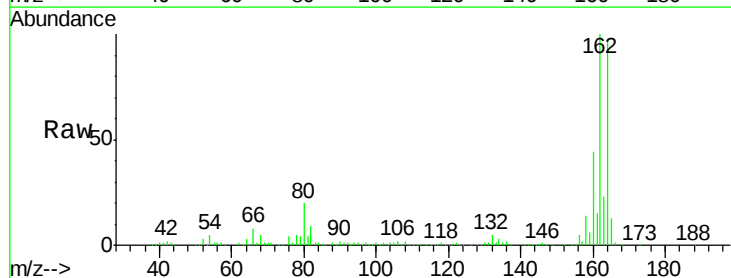
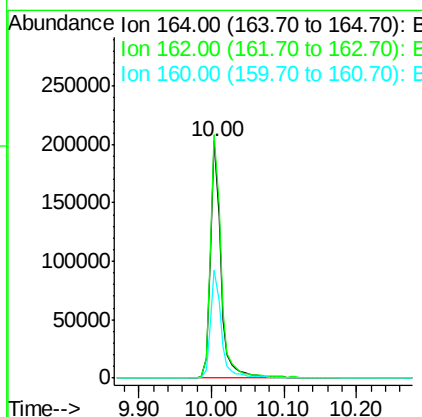
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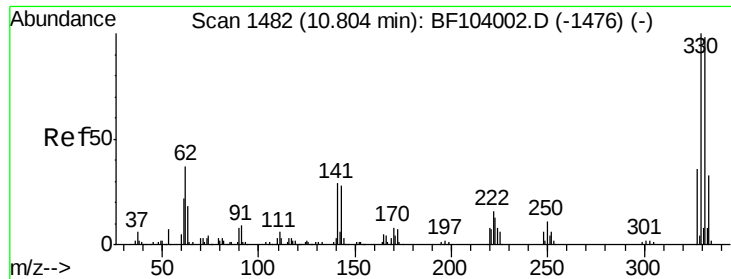
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.00 min
Lab File: BF104029.D
Acq: 28 Mar 2018 23:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	86.1	129.1
160	45.6	38.3	57.5





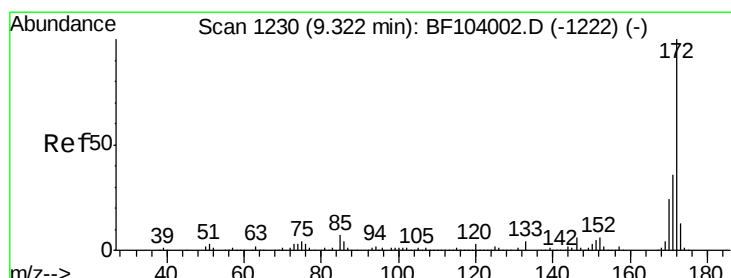
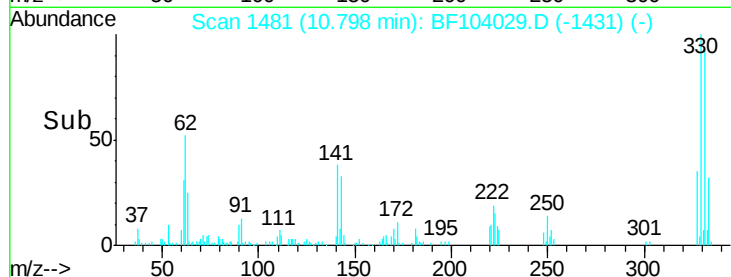
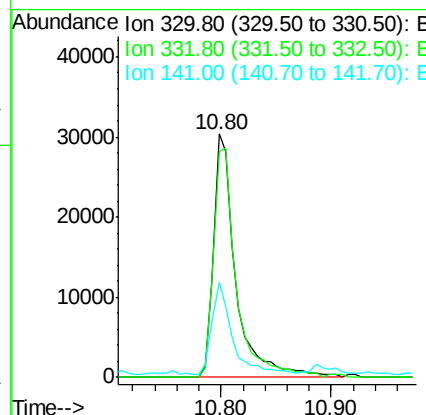
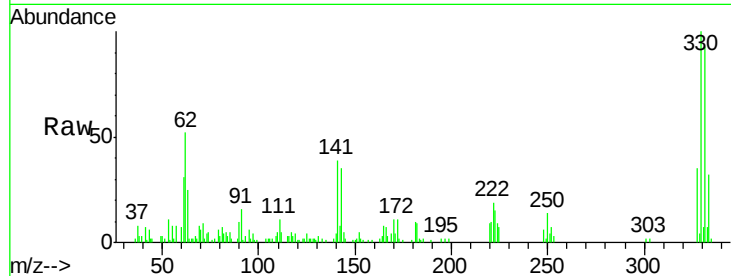
#41
 2,4,6-Tribromophenol
 Concen: 18.205 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: BF104029.D
 Acq: 28 Mar 2018 23:47

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	34.5	29.9	44.9

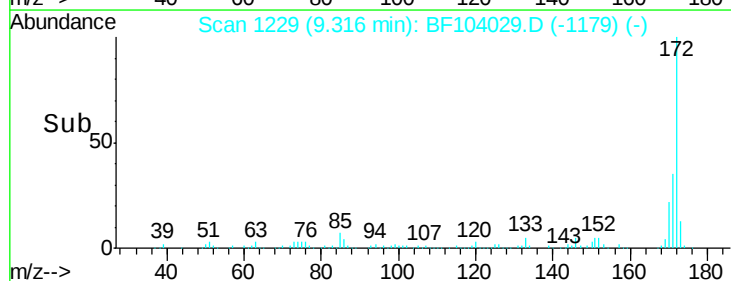
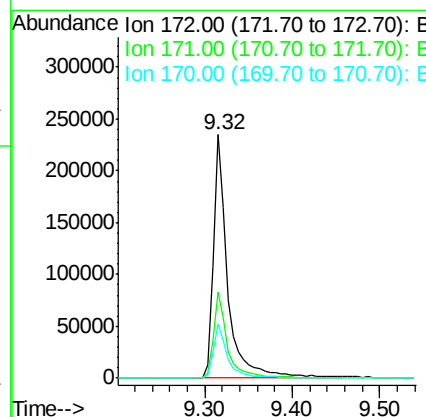
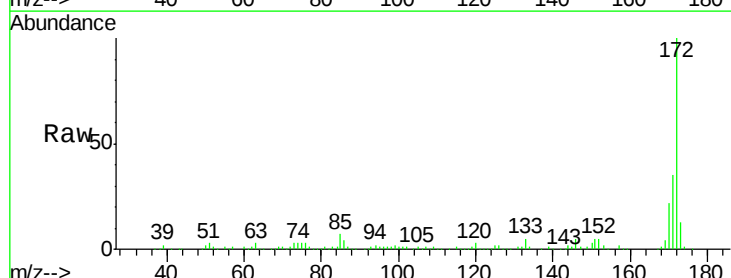
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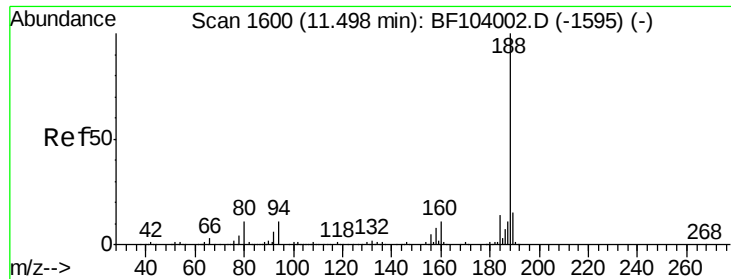
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#44
 2-Fluorobiphenyl
 Concen: 20.399 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF104029.D
 Acq: 28 Mar 2018 23:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	22.1	19.6	29.4





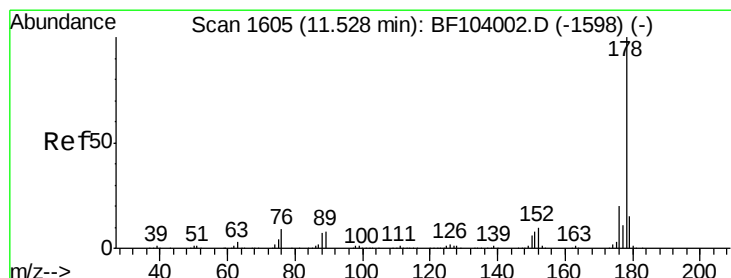
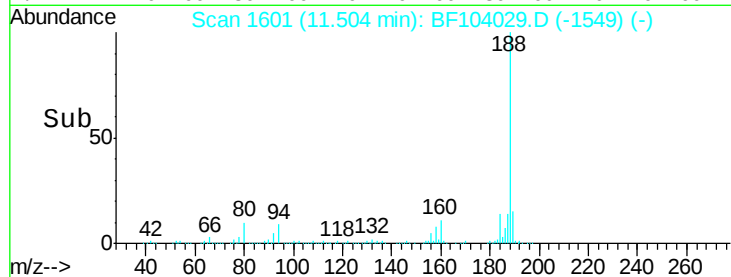
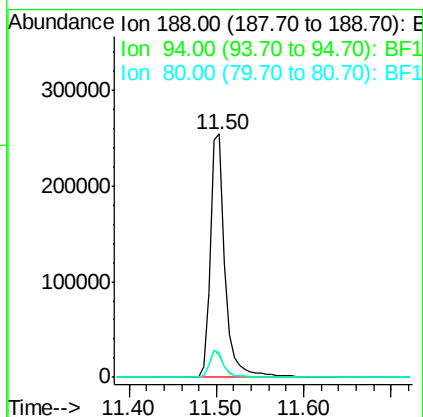
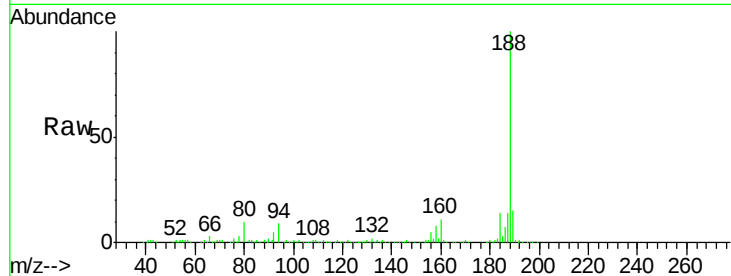
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BF104029.D
Acq: 28 Mar 2018 23:47

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

Tot Ion	Ratio	Resp	Lower	Upper
188	100	298087		
94	9.3		8.5	12.7
80	10.0		9.2	13.8

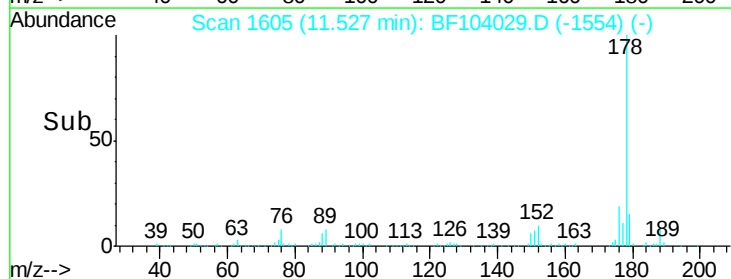
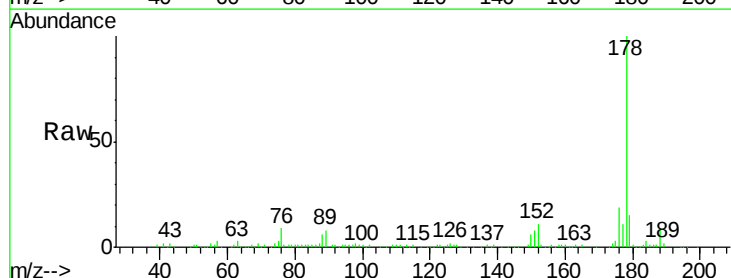
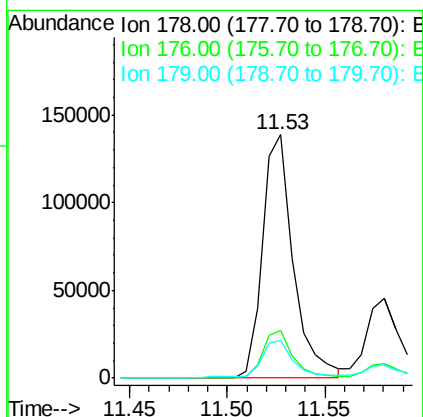
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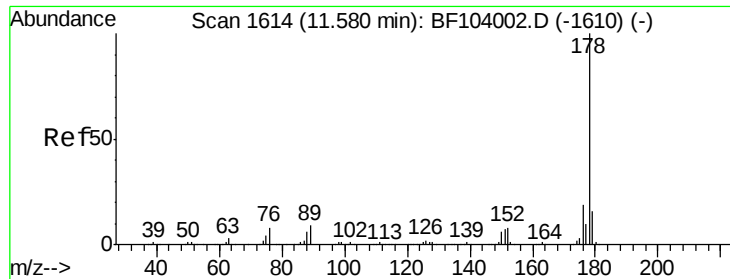
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#70
Phenanthrene
Concen: 9.429 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BF104029.D
Acq: 28 Mar 2018 23:47

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	152166		
176	19.5		15.8	23.8
179	15.4		13.0	19.6





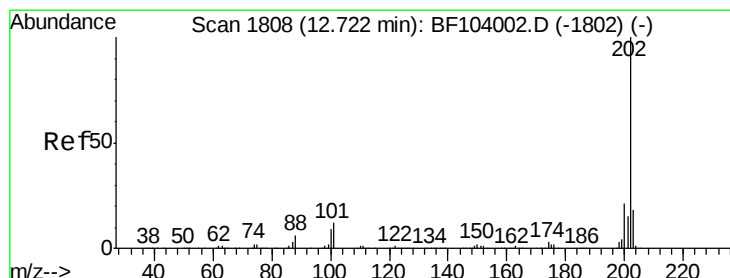
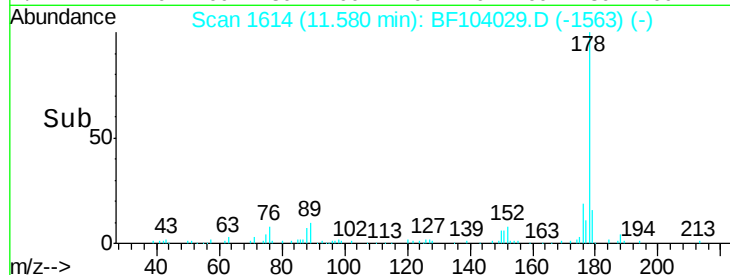
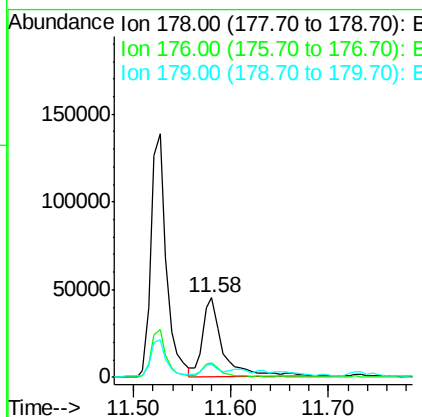
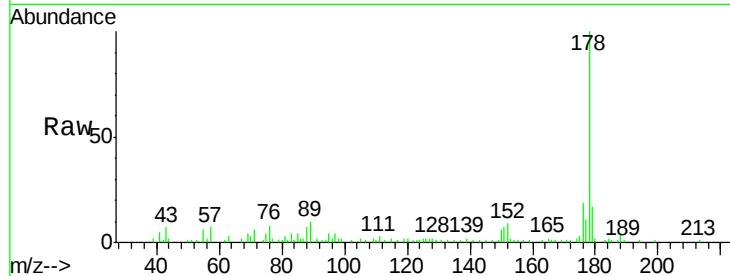
#71
 Anthracene
 Concen: 3.870 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. -0.00 min
 Lab File: BF104029.D
 Acq: 28 Mar 2018 23:47

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	16.9	12.6	19.0

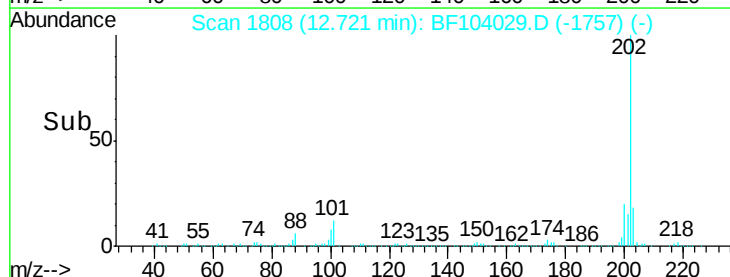
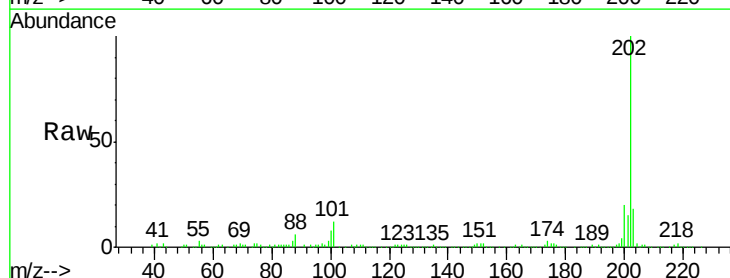
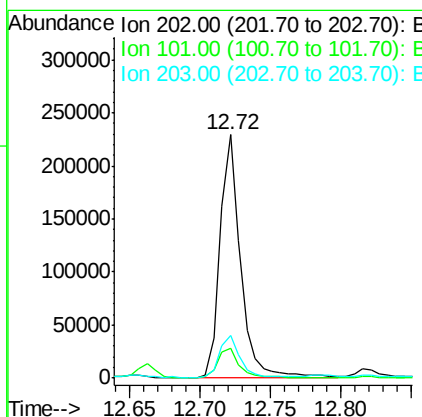
Manual Integrations
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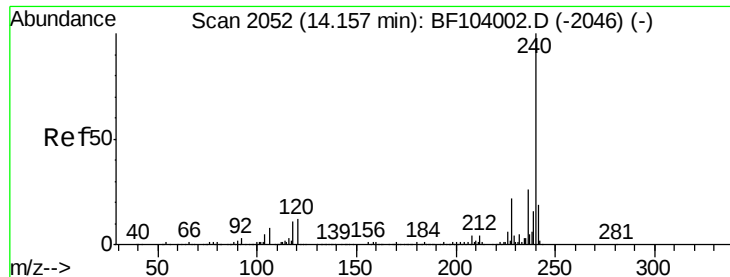
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#74
 Fluoranthene
 Concen: 13.410 ng
 RT: 12.72 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: BF104029.D
 Acq: 28 Mar 2018 23:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	34.1
203	17.7	0.0	38.1





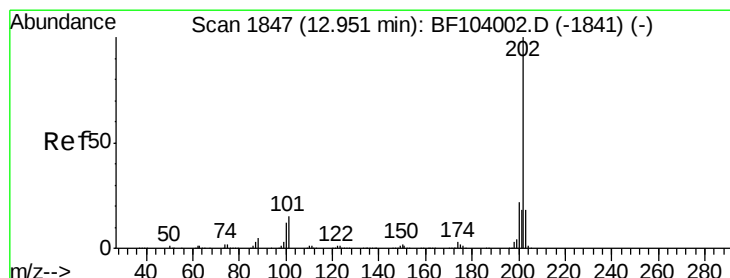
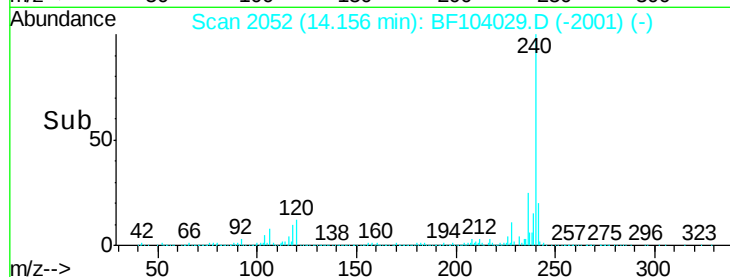
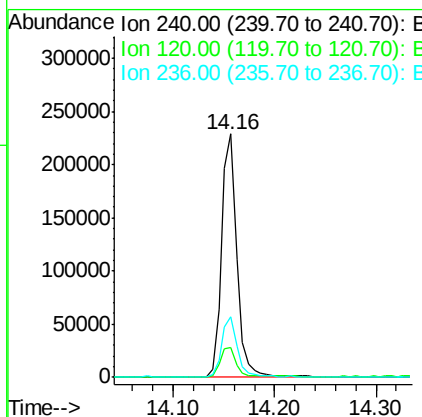
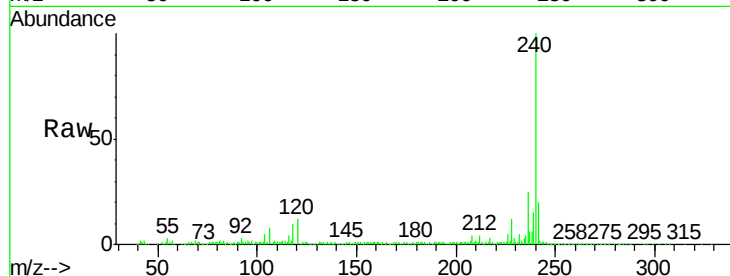
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.00 min
Lab File: BF104029.D
Acq: 28 Mar 2018 23:47

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

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.5	14.3
236	25.0	20.7	31.1

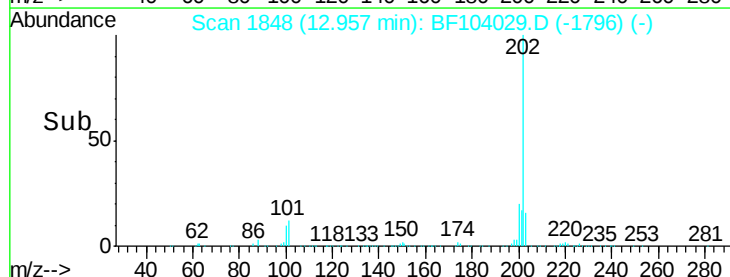
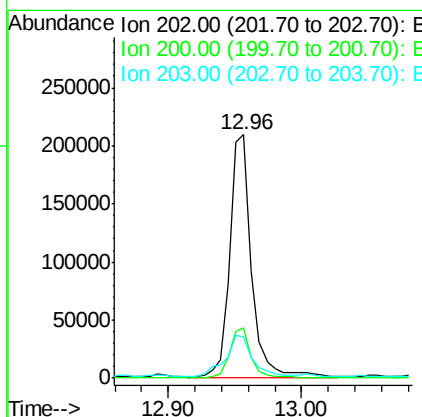
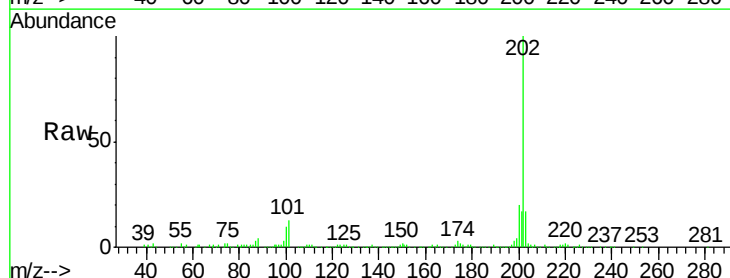
Manual Integrations
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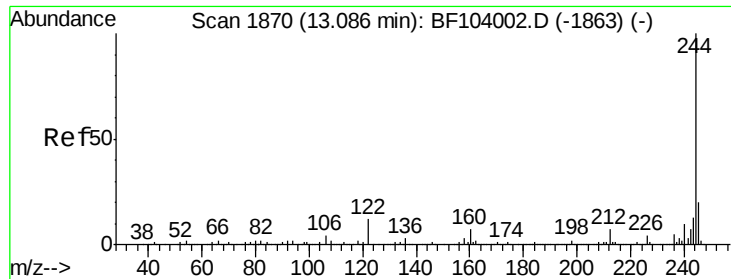
Sohil
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#77
Pyrene
Concen: 13.898 ng
RT: 12.96 min Scan# 1848
Delta R.T. 0.01 min
Lab File: BF104029.D
Acq: 28 Mar 2018 23:47

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.4	26.2
203	17.2	14.3	21.5





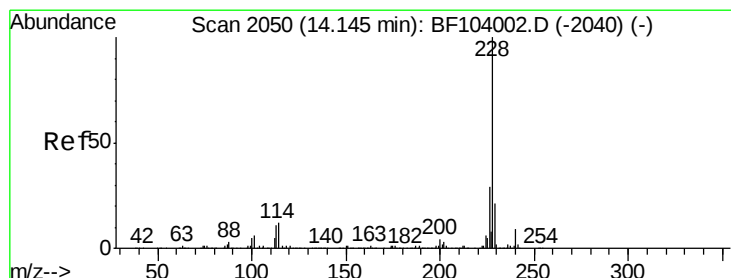
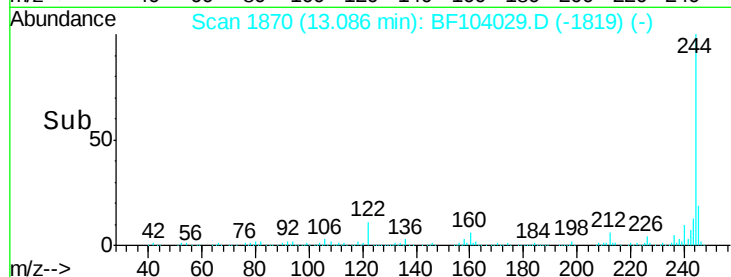
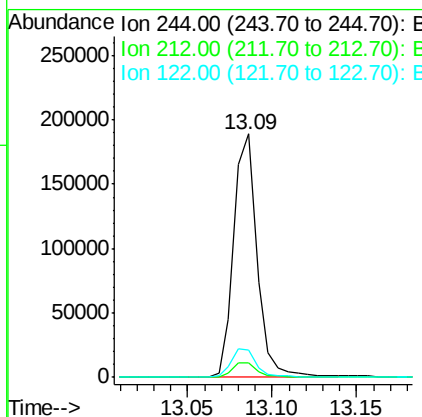
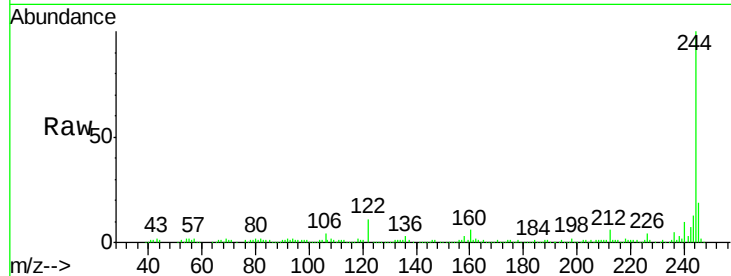
#78
 Terphenyl-d14
 Concen: 17.686 ng
 RT: 13.09 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: BF104029.D
 Acq: 28 Mar 2018 23:47

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.4	8.0
122	11.2	11.0	16.4

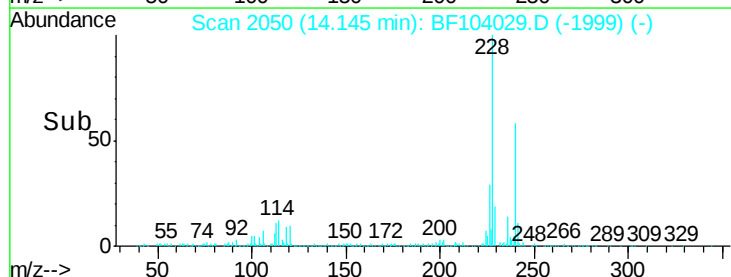
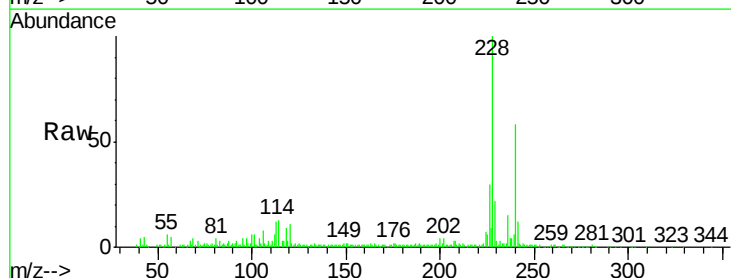
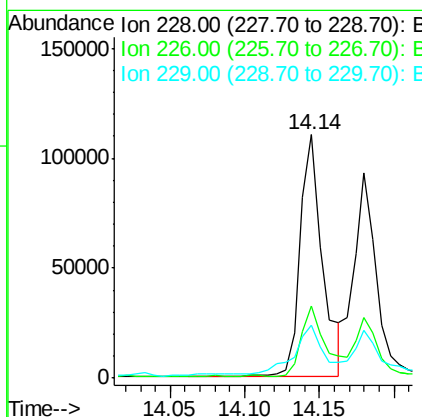
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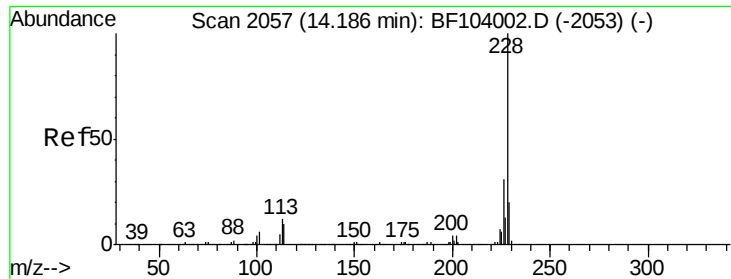
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#80
 Benzo(a)anthracene
 Concen: 7.835 ng
 RT: 14.14 min Scan# 2050
 Delta R.T. -0.00 min
 Lab File: BF104029.D
 Acq: 28 Mar 2018 23:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	33.8
229	21.8	15.8	23.6





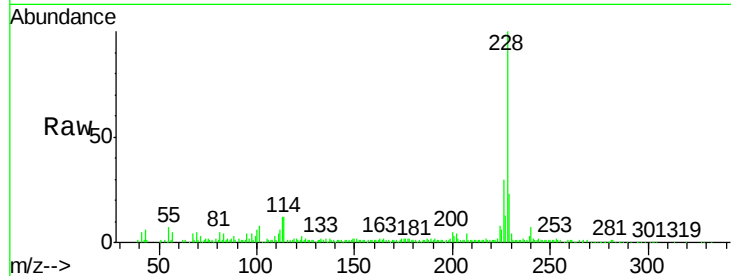
#82
Chrysene
Concen: 6.872 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF104029.D
Acq: 28 Mar 2018 23:47

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

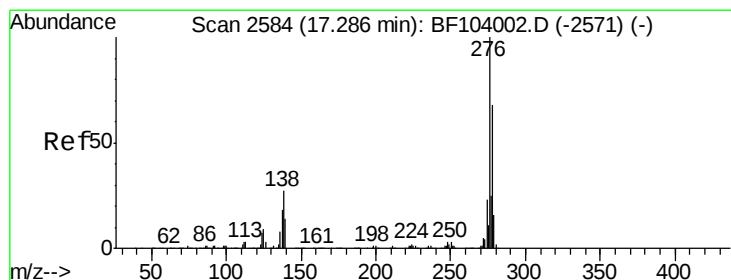
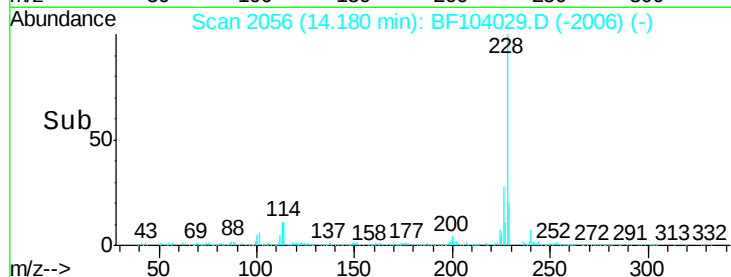
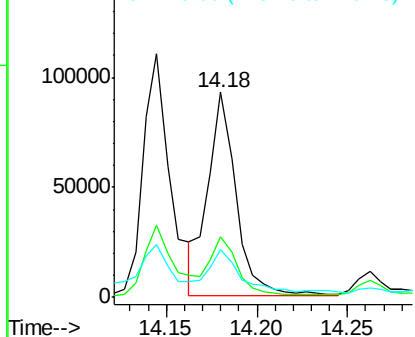
Tot Ion:	228	Resp:	100353
Ion Ratio	Lower	Upper	
228	100		
226	29.9	25.0	37.6
229	23.3	16.2	24.4

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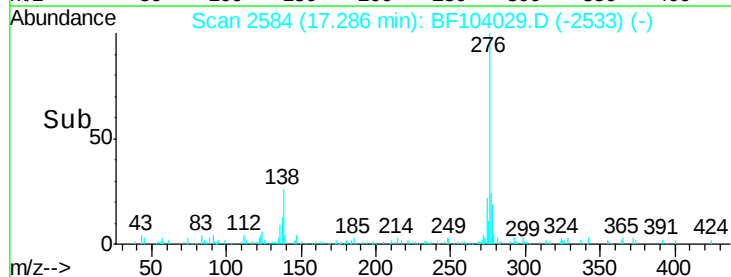
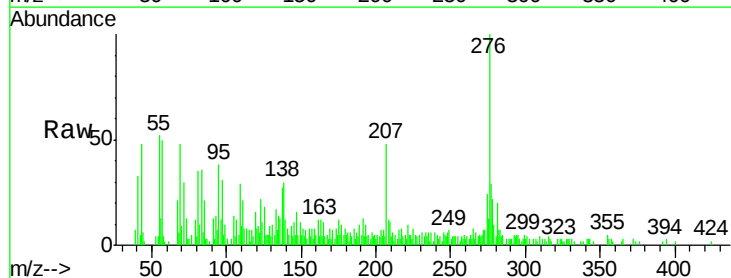
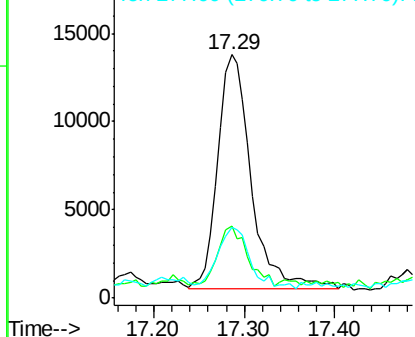
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

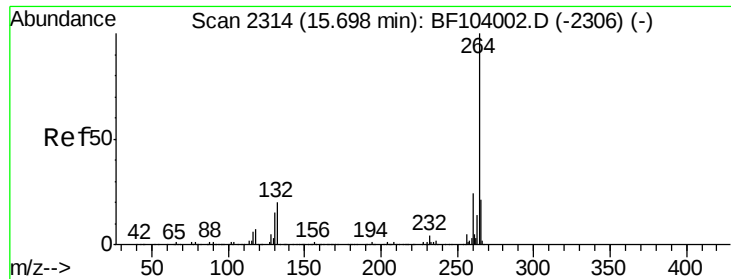


#85
Indeno(1,2,3-cd)pyrene
Concen: 2.233 ng
RT: 17.29 min Scan# 2584
Delta R.T. -0.00 min
Lab File: BF104029.D
Acq: 28 Mar 2018 23:47

Tgt Ion:	276	Resp:	33797
Ion Ratio	Lower	Upper	
276	100		
138	22.0	25.0	37.6#
277	22.0	20.1	30.1

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





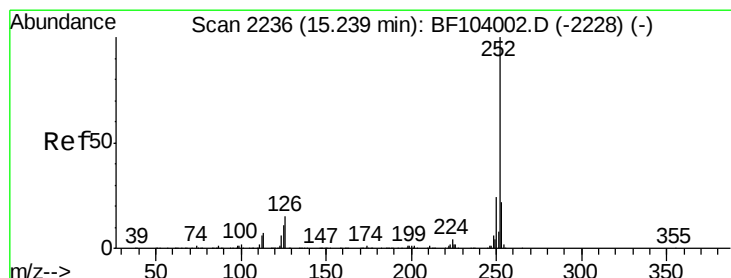
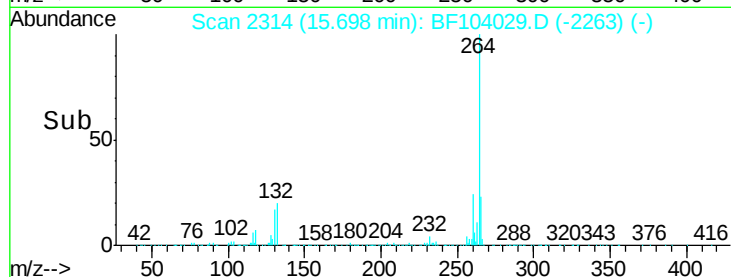
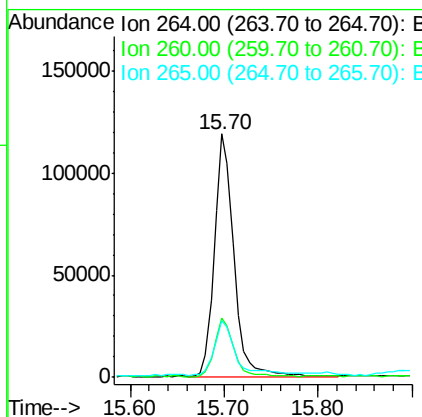
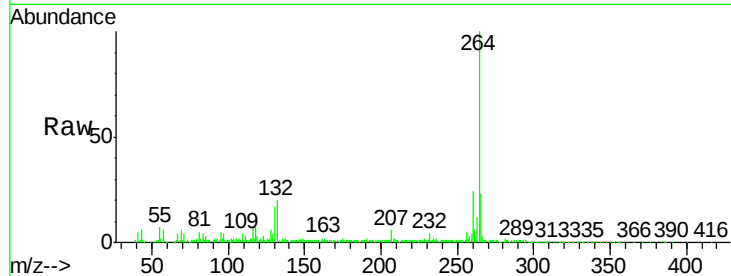
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2314
Delta R.T. -0.00 min
Lab File: BF104029.D
Acq: 28 Mar 2018 23:47

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	23.3	17.5	26.3

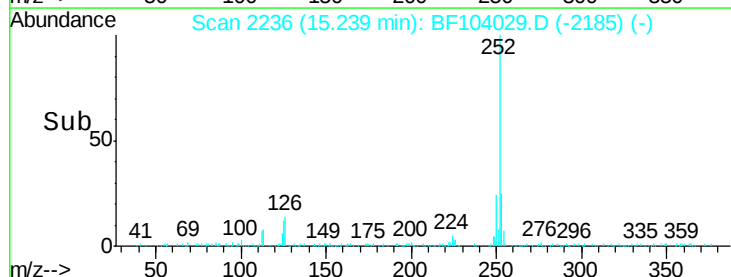
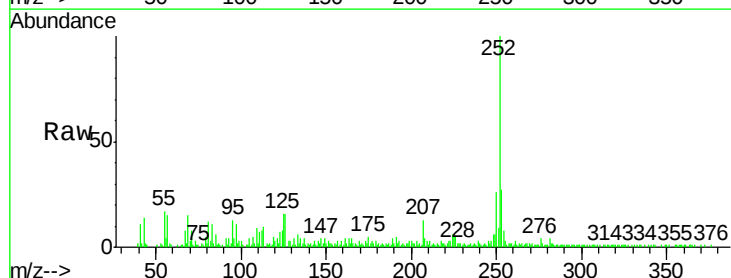
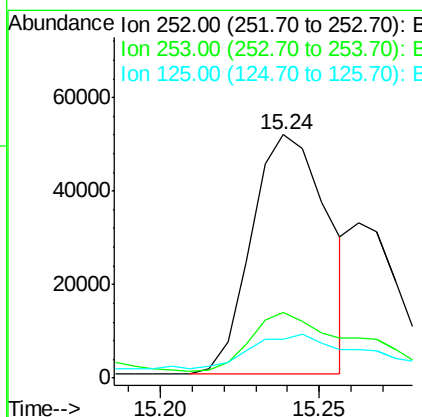
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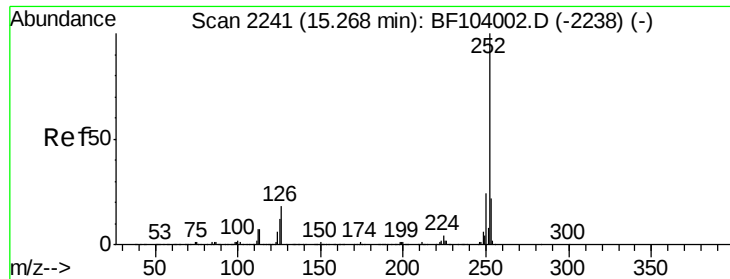
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#87
Benzo(b)fluoranthene
Concen: 8.151 ng m
RT: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF104029.D
Acq: 28 Mar 2018 23:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.0	25.6#
125	16.2	9.0	13.6#





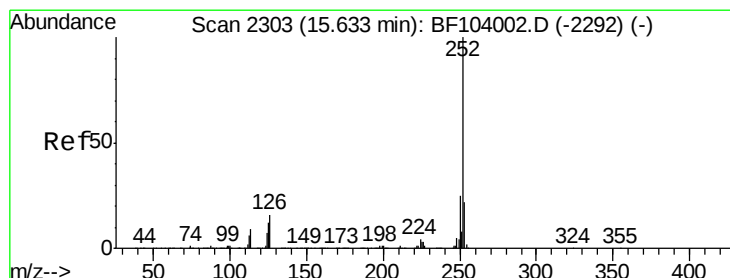
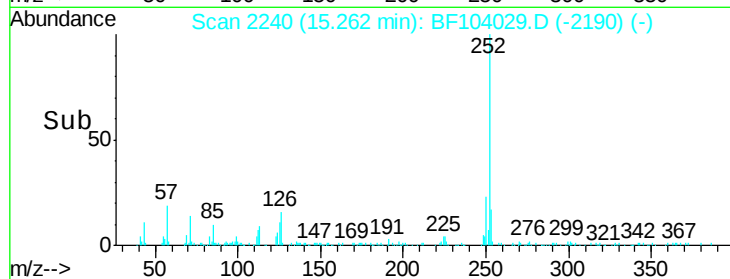
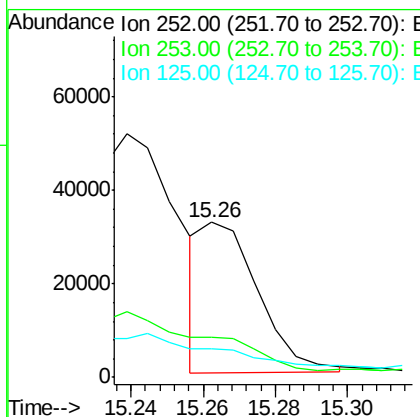
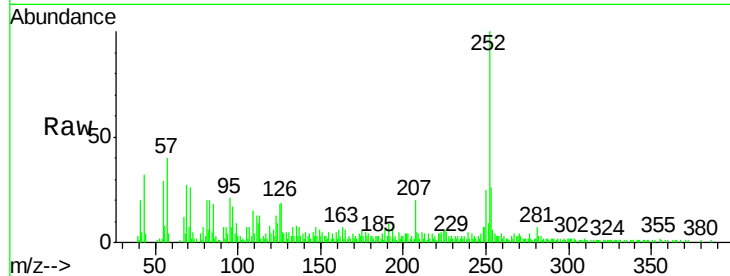
#88
Benzo(k)fluoranthene
Concen: 3.474 ng m
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF104029.D
Acq: 28 Mar 2018 23:47

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.9	26.9
125	18.0	10.2	15.2

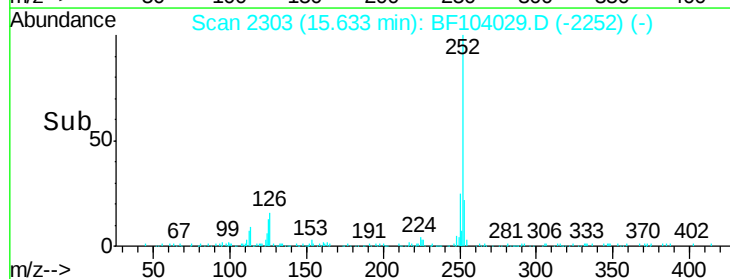
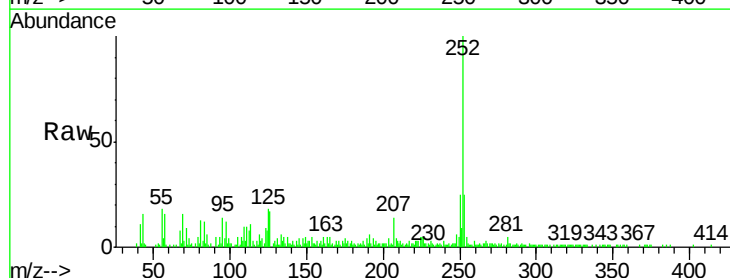
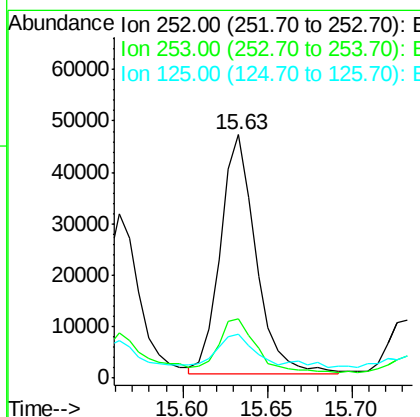
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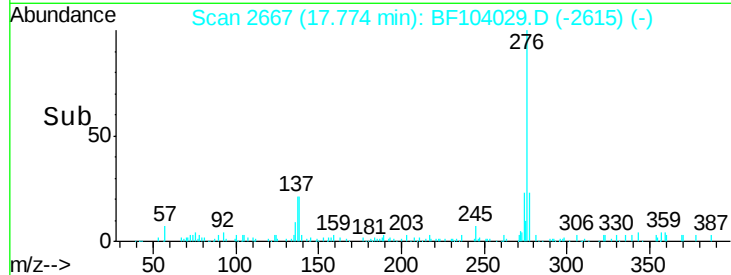
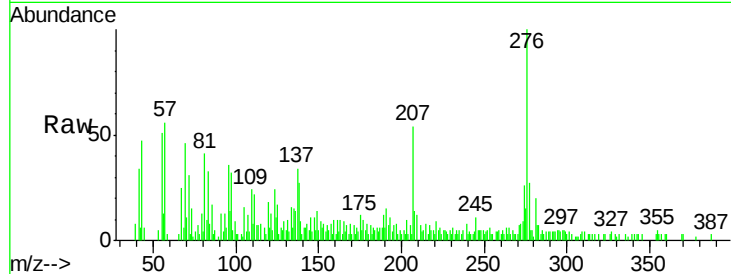
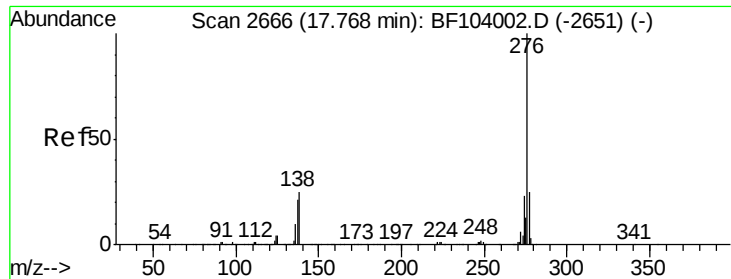
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#89
Benzo(a)pyrene
Concen: 7.059 ng
RT: 15.63 min Scan# 2303
Delta R.T. -0.00 min
Lab File: BF104029.D
Acq: 28 Mar 2018 23:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.1	25.7
125	17.8	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 3.821 ng
 RT: 17.77 min Scan# 2667
 Delta R.T. 0.01 min
 Lab File: BF104029.D
 Acq: 28 Mar 2018 23:47

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.4	17.9	26.9#
138	27.4	21.8	32.8

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