

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
 Data File : BF104049.D
 Acq On : 29 Mar 2018 14:30
 Operator : JU/SJ
 Sample : J1756-11 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 3/30/2018 6:00:45 PM

Quant Time: Mar 30 09:10:27 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	120382	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	518542	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	224794	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	352722	20.00	ng	0.00
75) Chrysene-d12	14.16	240	244053	20.00	ng	0.00
86) Perylene-d12	15.70	264	217835	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	176363m	23.36	ng	0.00
7) Phenol-d6	6.60	99	222695	23.98	ng	0.00
23) Nitrobenzene-d5	7.53	82	128720m	15.18	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	51125	20.42	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	280776	19.70	ng	0.00
78) Terphenyl-d14	13.08	244	198891	18.82	ng	0.00
Target Compounds						
70) Phenanthrene	11.53	178	176855	9.261	ng	99
71) Anthracene	11.58	178	67585	3.388	ng	99
74) Fluoranthene	12.72	202	249131	12.273	ng	96
77) Pyrene	12.95	202	244033	13.910	ng	98
80) Benzo(a)anthracene	14.14	228	126966	8.314	ng	97
82) Chrysene	14.18	228	96394	6.445	ng	97
85) Indeno(1,2,3-cd)pyrene	17.29	276	39326	2.537	ng	# 90
87) Benzo(b)fluoranthene	15.24	252	103944m	7.841	ng	
88) Benzo(k)fluoranthene	15.26	252	54242m	4.343	ng	
89) Benzo(a)pyrene	15.63	252	86261	7.021	ng	# 93
91) Benzo(g,h,i)perylene	17.77	276	35987	3.163	ng	# 90

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

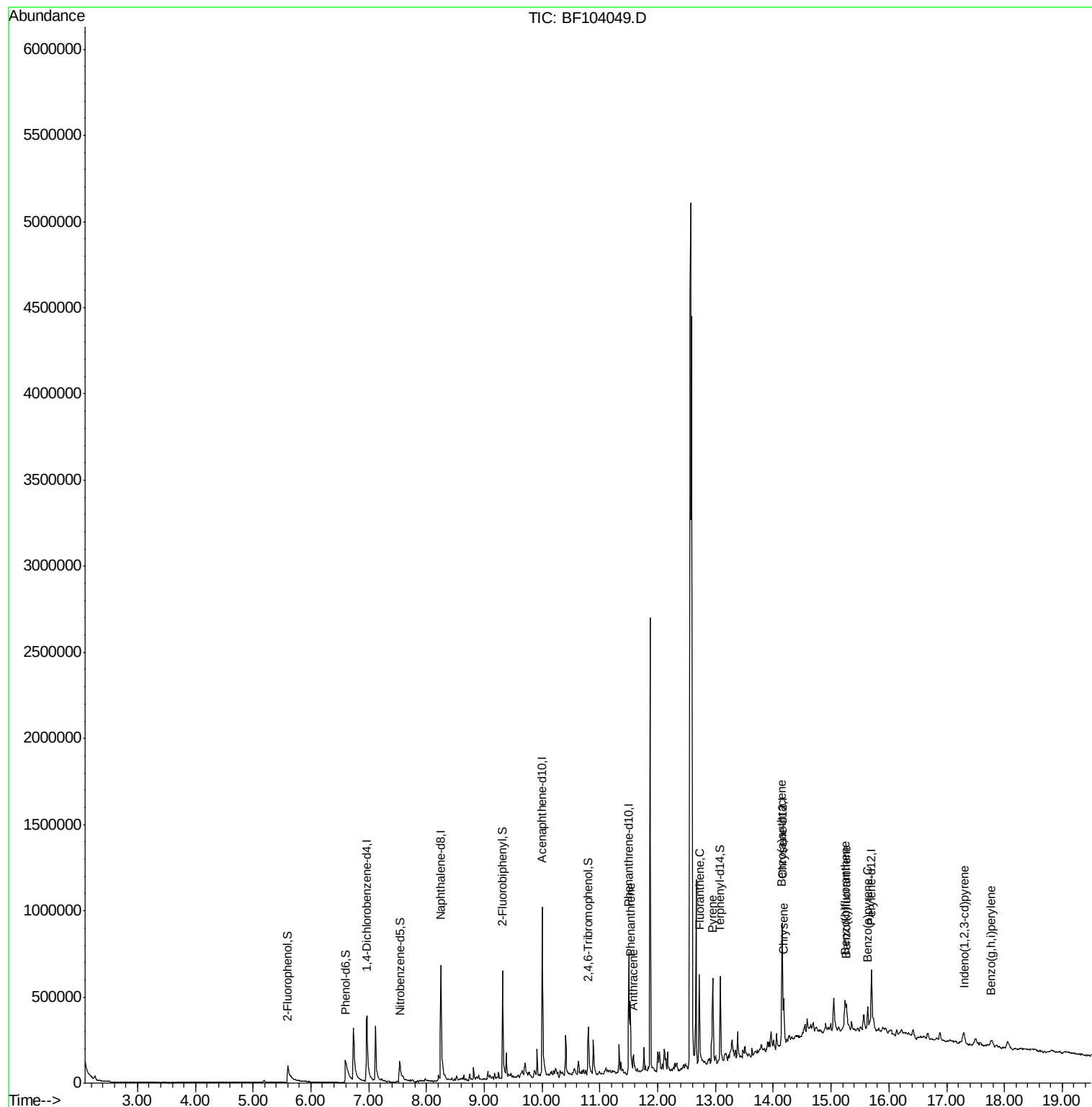
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
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Sample : J1756-11 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

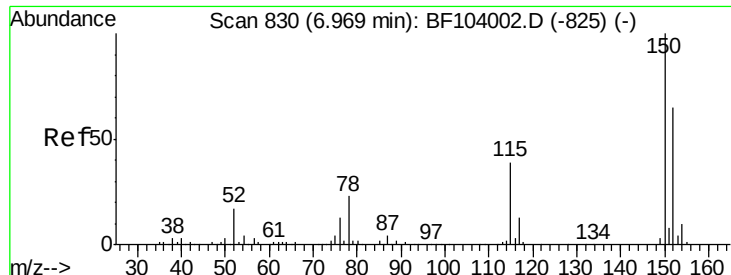
Instrument :
BNA_F
ClientSampleId :
OR-01-032718-A

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#1

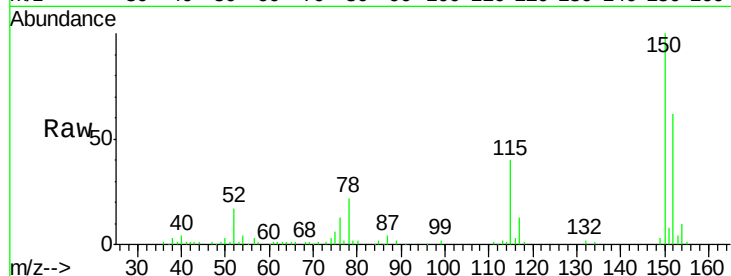
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF104049.D
Acq: 29 Mar 2018 14:30

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

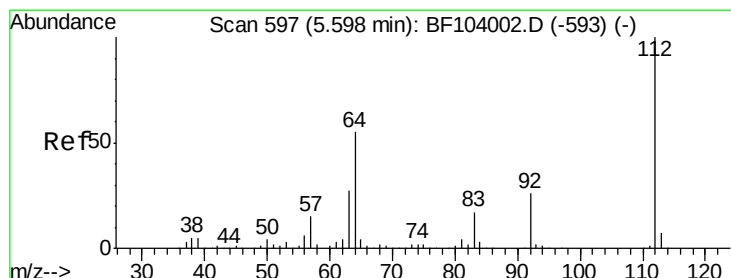
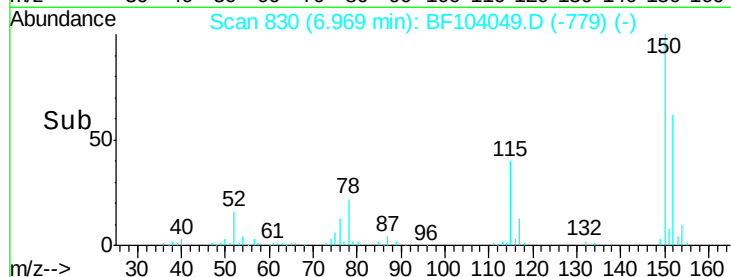
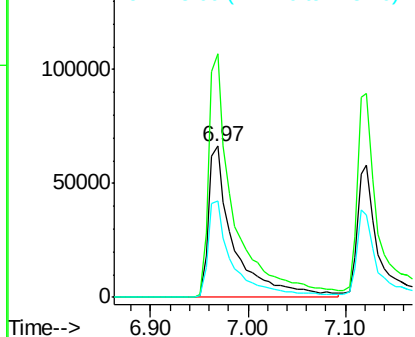
Tot Ion	Ratio	Lower	Upper
152	100		
150	161.4	124.6	186.8
115	64.2	50.1	75.1

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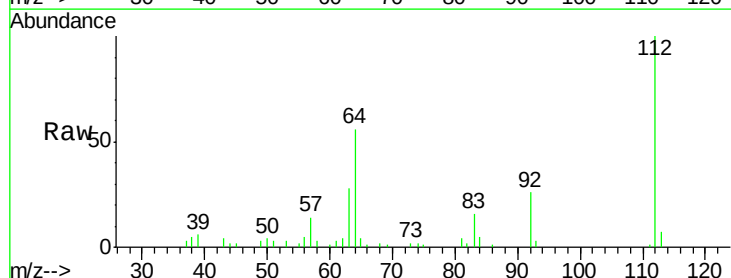
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



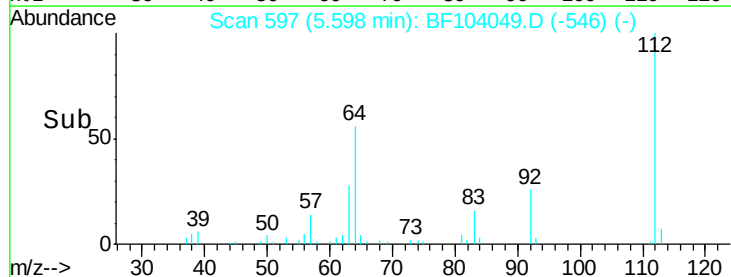
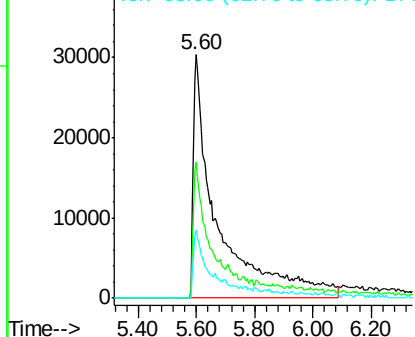
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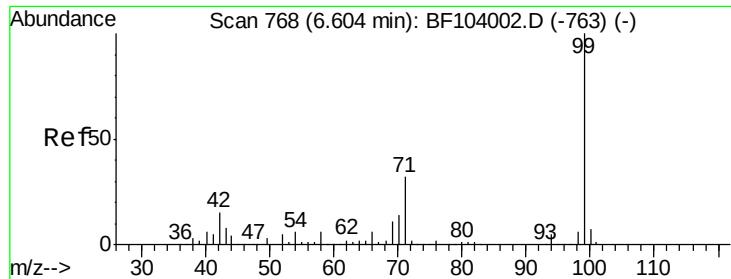
2-Fluorophenol
Concen: 23.363 ng m
RT: 5.60 min Scan# 597
Delta R.T. -0.00 min
Lab File: BF104049.D
Acq: 29 Mar 2018 14:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	47.9	71.9
63	27.8	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: 23.979 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF104049.D

Acq: 29 Mar 2018 14:30

Instrument :

BNA_F

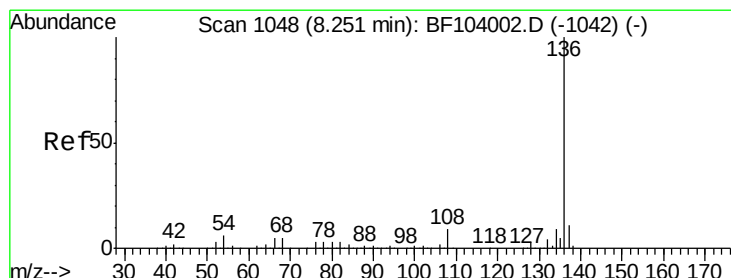
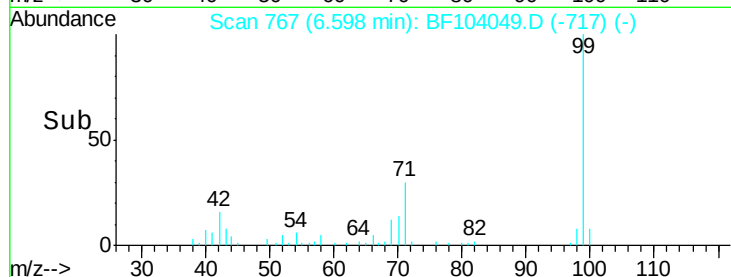
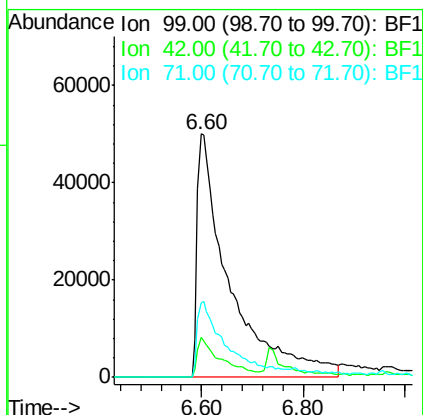
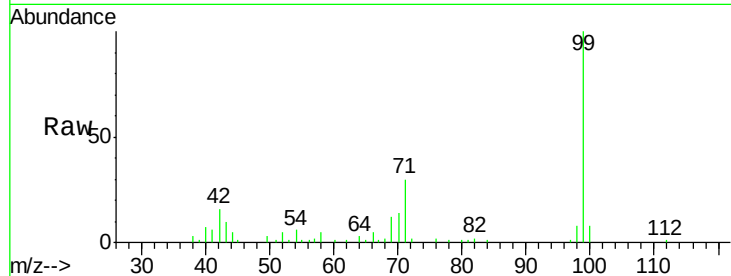
ClientSampleId :

OR-01-032718-A

Tot Ion:	99	Resp:	222695
Ion Ratio	Lower	Upper	
99	100		
42	16.3	14.5	21.7
71	30.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

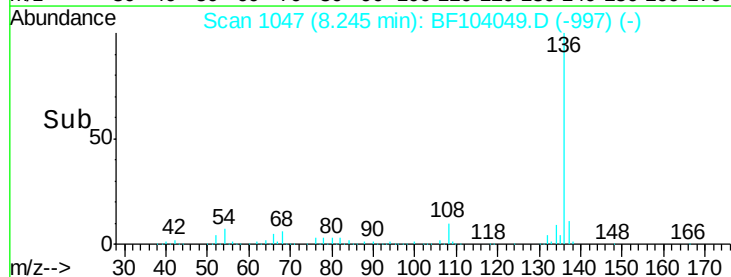
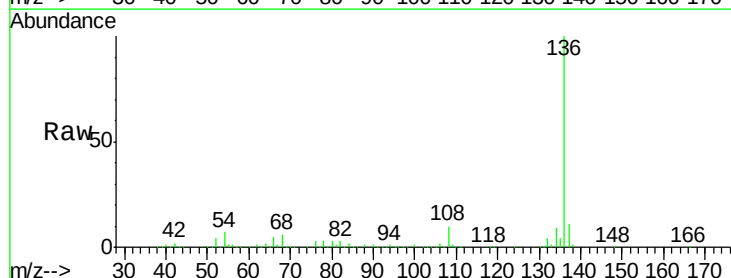
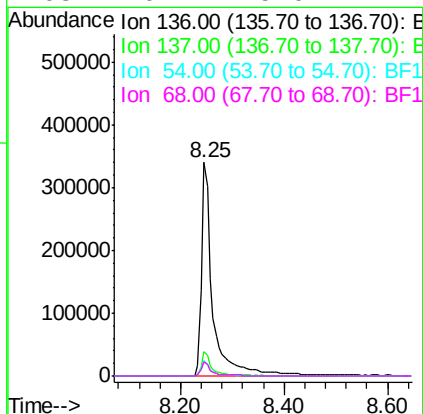
RT: 8.25 min Scan# 1047

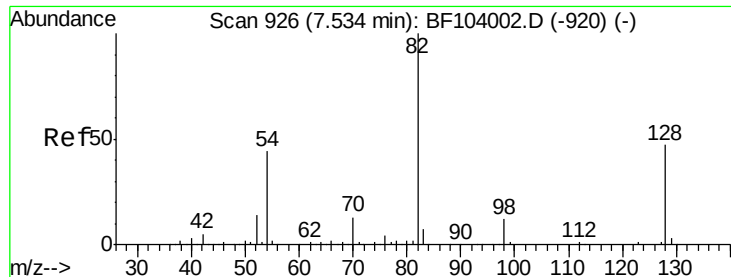
Delta R.T. -0.01 min

Lab File: BF104049.D

Acq: 29 Mar 2018 14:30

Tgt Ion:	136	Resp:	518542
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	6.9	6.6	9.8
68	6.4	5.0	7.4





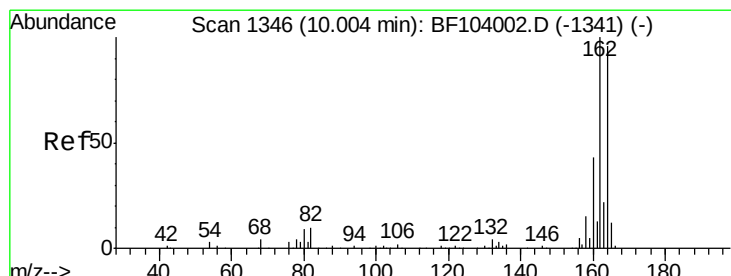
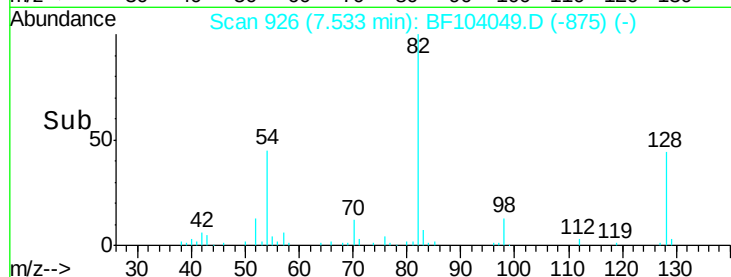
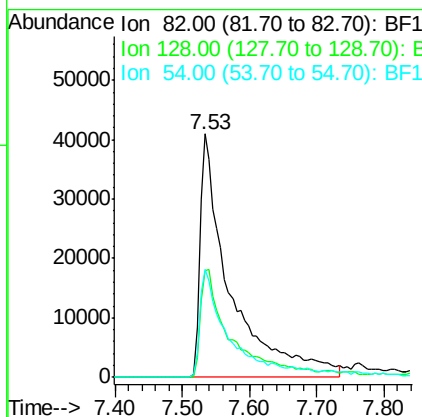
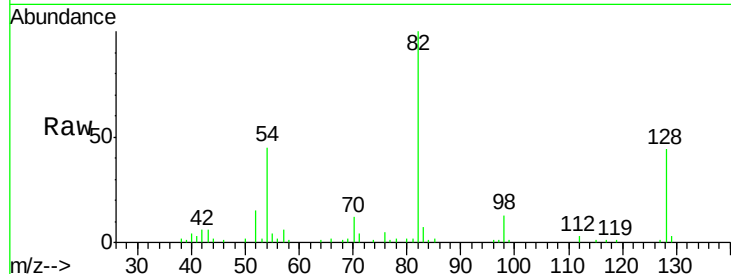
#23
 Nitrobenzene-d5
 Concen: 15.181 ng m
 RT: 7.53 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: BF104049.D
 Acq: 29 Mar 2018 14:30

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

Tot Ion	82	Resp	128720
Ion Ratio	Lower	Upper	
82	100		
128	44.0	36.1	54.1
54	44.5	41.4	62.2

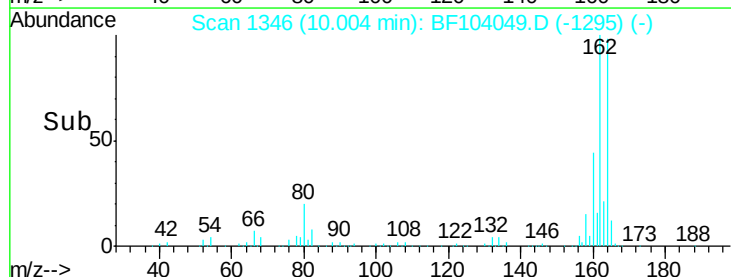
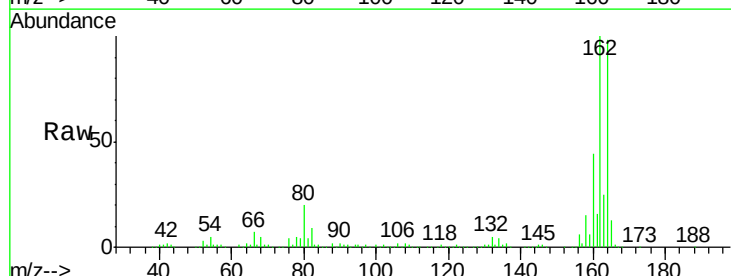
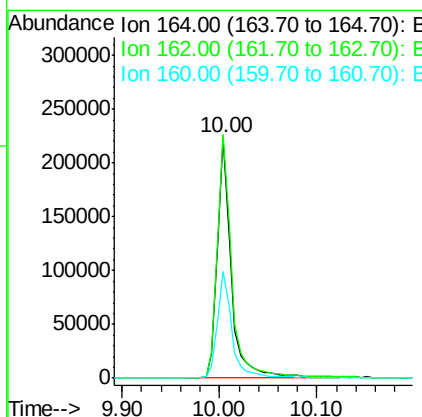
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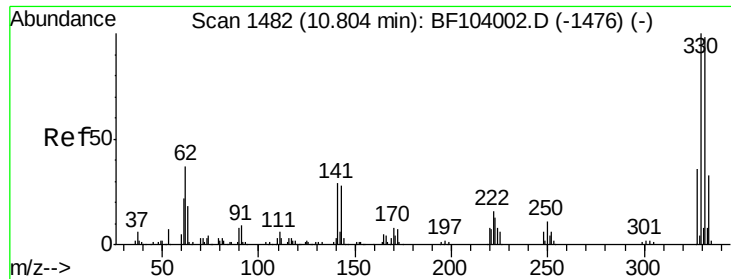
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: BF104049.D
 Acq: 29 Mar 2018 14:30

Tgt Ion	164	Resp	224794
Ion Ratio	Lower	Upper	
164	100		
162	101.6	86.1	129.1
160	44.6	38.3	57.5





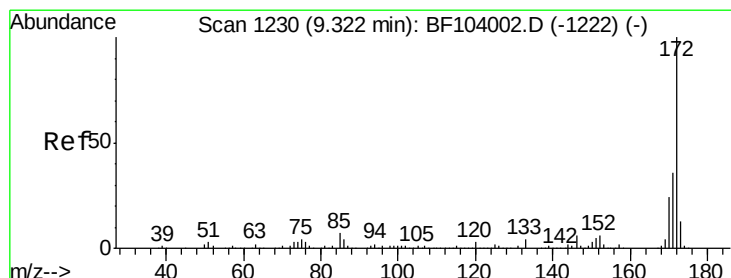
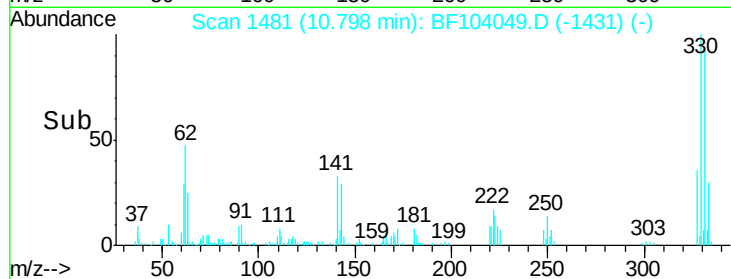
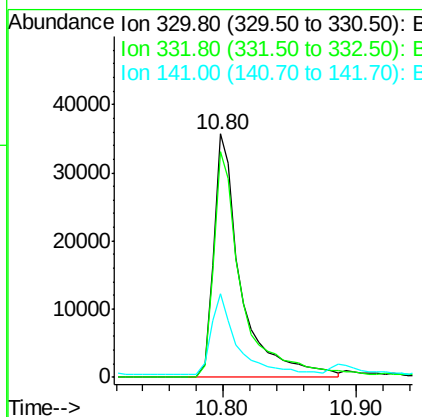
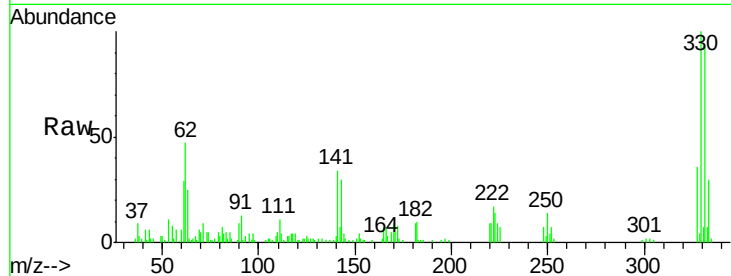
#41
 2,4,6-Tribromophenol
 Concen: 20.425 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: BF104049.D
 Acq: 29 Mar 2018 14:30

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.0	115.6
141	32.0	29.9	44.9

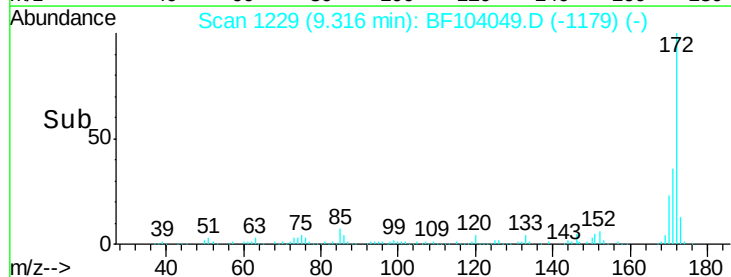
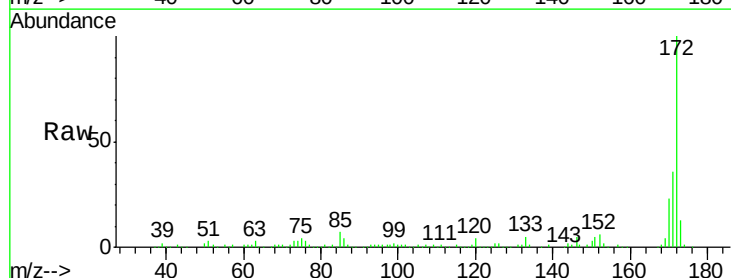
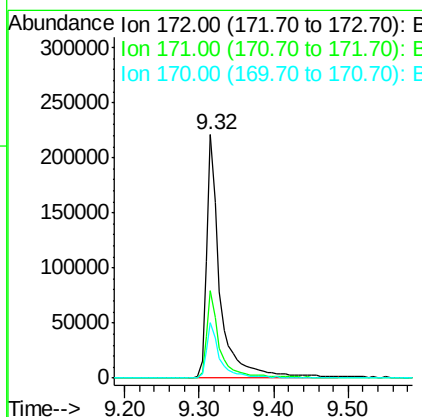
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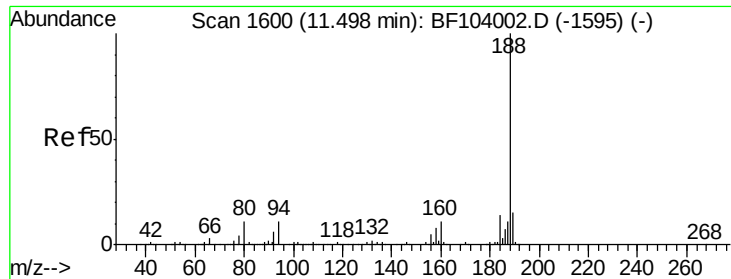
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#44
 2-Fluorobiphenyl
 Concen: 19.696 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF104049.D
 Acq: 29 Mar 2018 14:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	22.8	19.6	29.4





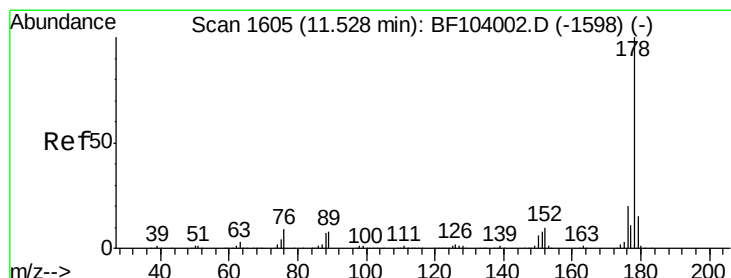
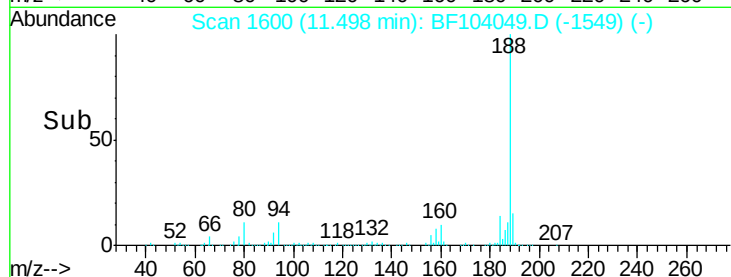
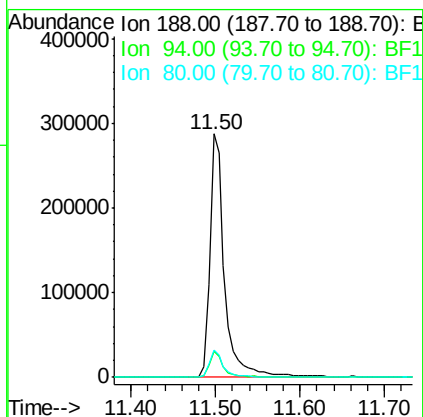
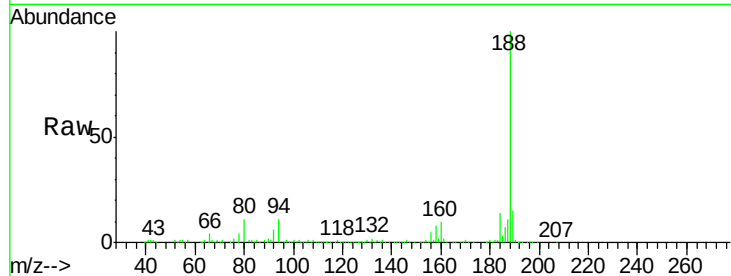
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BF104049.D
Acq: 29 Mar 2018 14:30

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

Tot Ion	Ratio	Resp	Lower	Upper
188	100	352722		
94	10.8		8.5	12.7
80	11.4		9.2	13.8

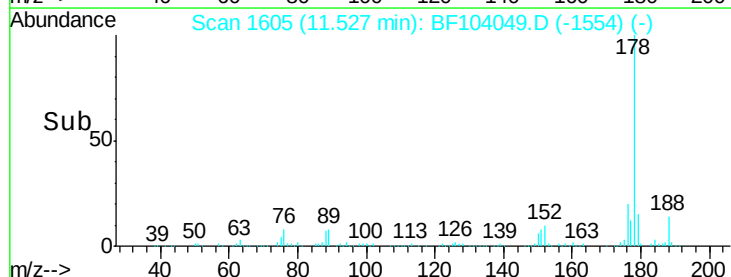
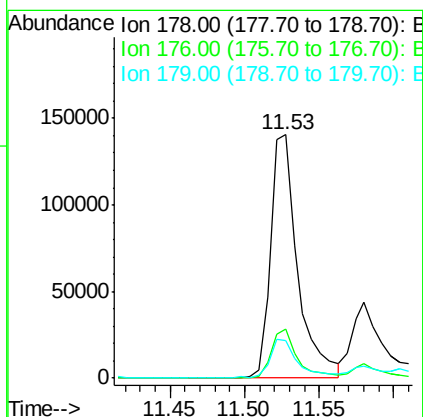
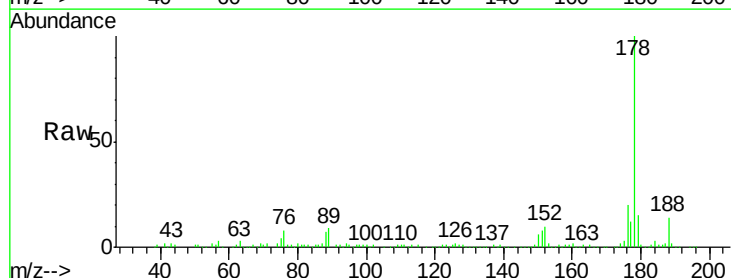
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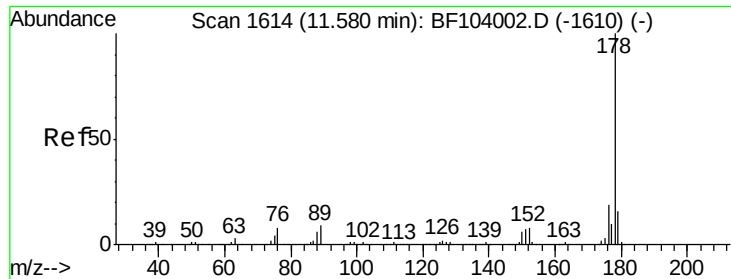
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#70
Phenanthrene
Concen: 9.261 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BF104049.D
Acq: 29 Mar 2018 14:30

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	176855		
176	20.1		15.8	23.8
179	15.4		13.0	19.6





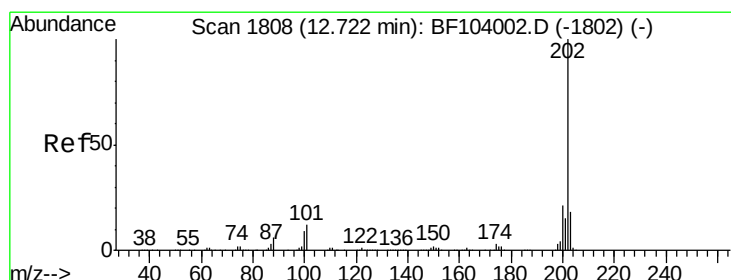
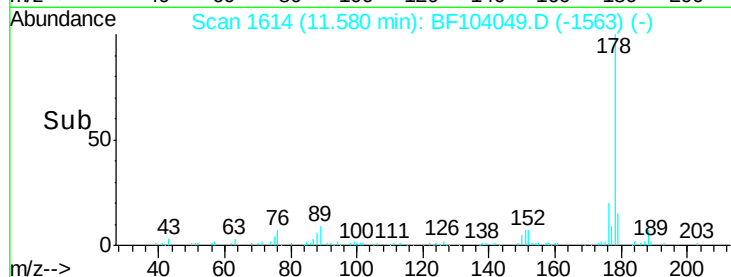
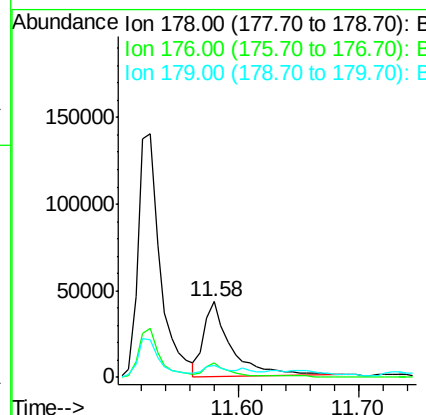
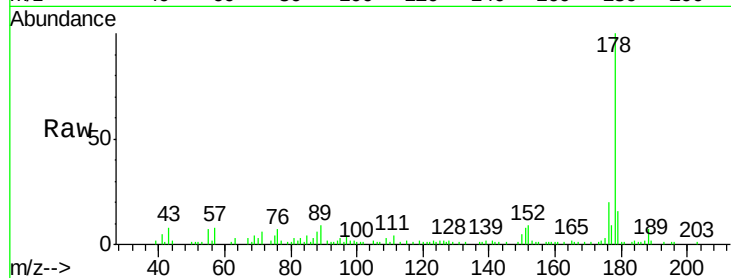
#71
 Anthracene
 Concen: 3.388 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. -0.00 min
 Lab File: BF104049.D
 Acq: 29 Mar 2018 14:30

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	16.3	12.6	19.0

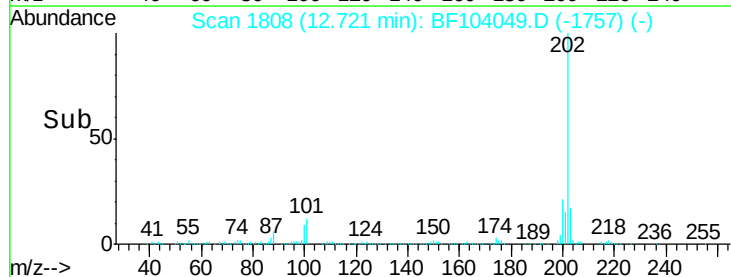
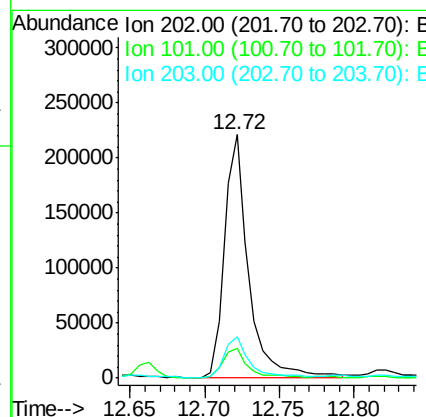
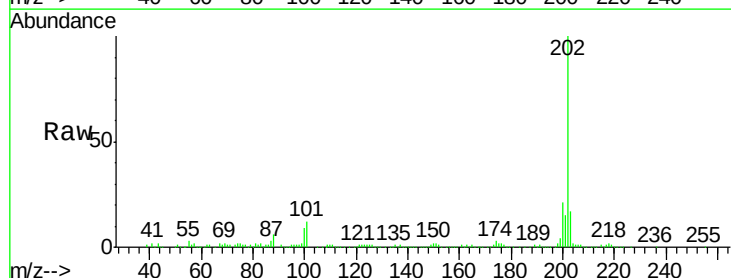
Manual Integrations
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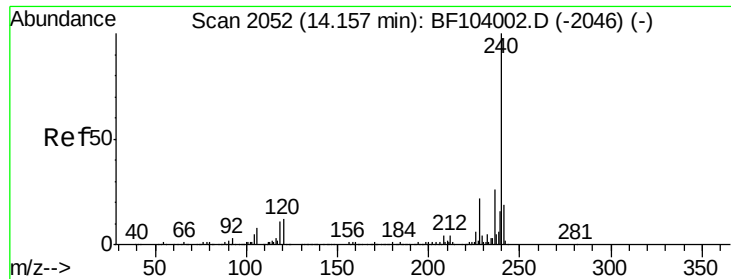
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#74
 Fluoranthene
 Concen: 12.273 ng
 RT: 12.72 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: BF104049.D
 Acq: 29 Mar 2018 14:30

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	34.1
203	17.0	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: BF104049.D

Acq: 29 Mar 2018 14:30

Instrument :

BNA_F

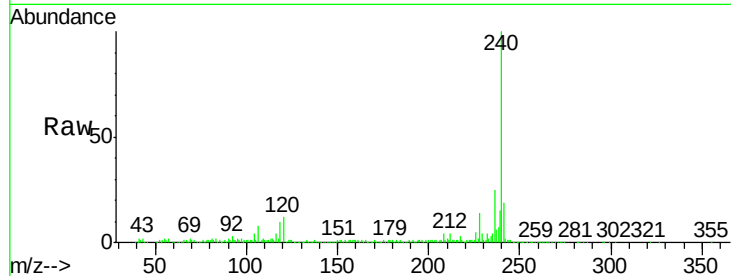
ClientSampleId :

OR-01-032718-A

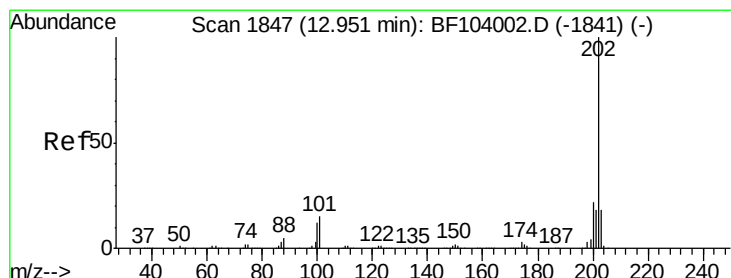
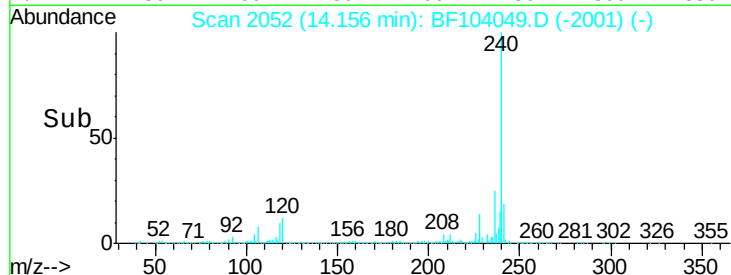
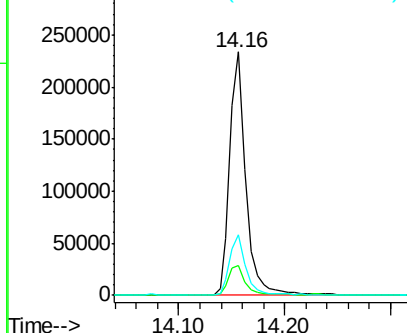
Tot Ion:	240	Resp:	244053
Ion Ratio	Lower	Upper	
240	100		
120	12.1	9.5	14.3
236	24.9	20.7	31.1

Manual Integrations
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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 13.910 ng

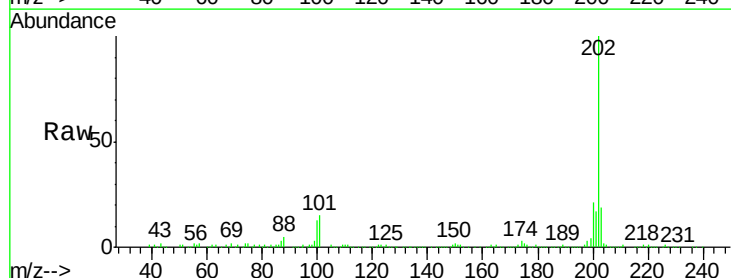
RT: 12.95 min Scan# 1847

Delta R.T. -0.00 min

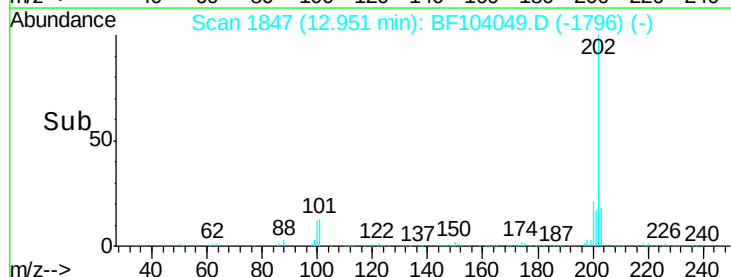
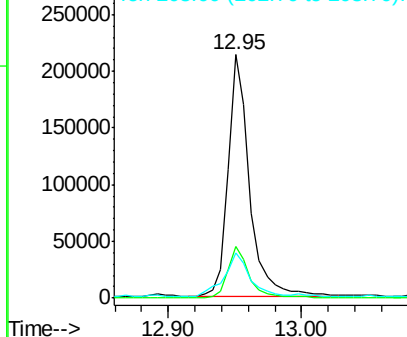
Lab File: BF104049.D

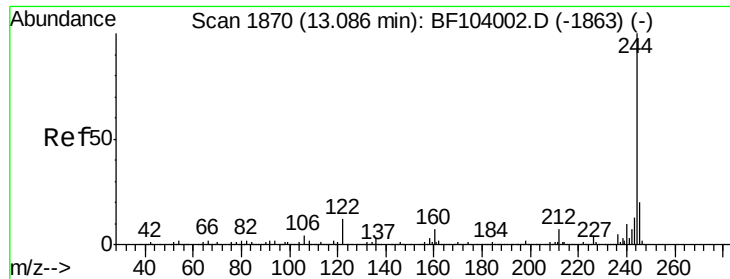
Acq: 29 Mar 2018 14:30

Tgt Ion:	202	Resp:	244033
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.4	26.2
203	18.8	14.3	21.5



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: 18.817 ng

RT: 13.08 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BF104049.D

Acq: 29 Mar 2018 14:30

Instrument :

BNA_F

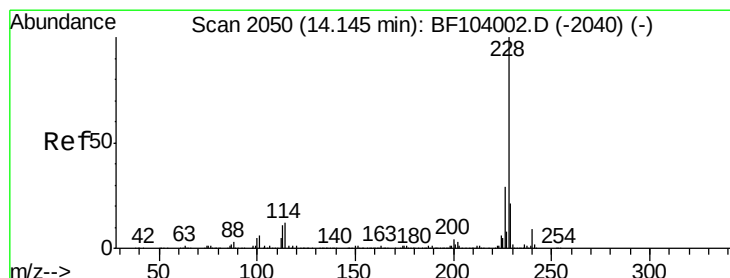
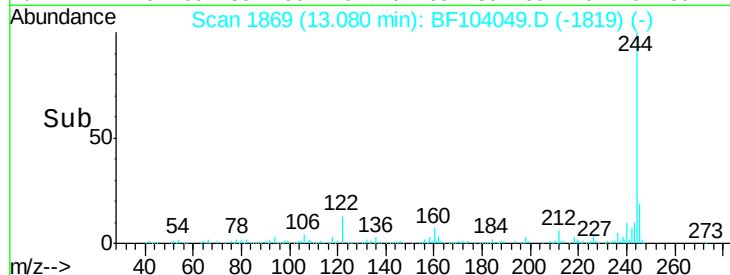
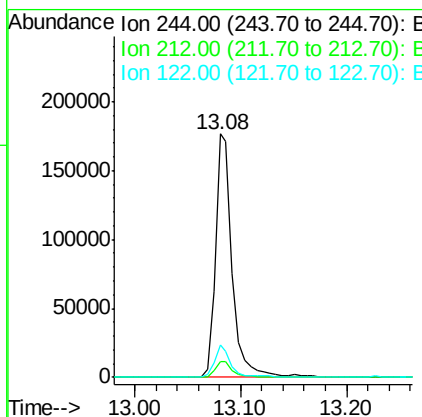
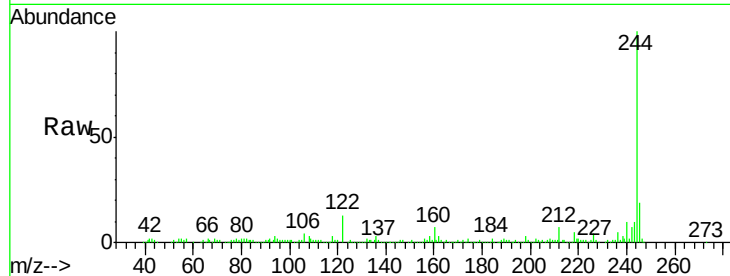
ClientSampleId :

OR-01-032718-A

Tot Ion:	244	Resp:	198891
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.4	8.0
122	13.1	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 8.314 ng

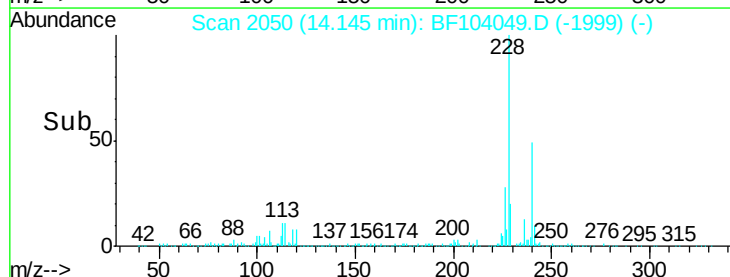
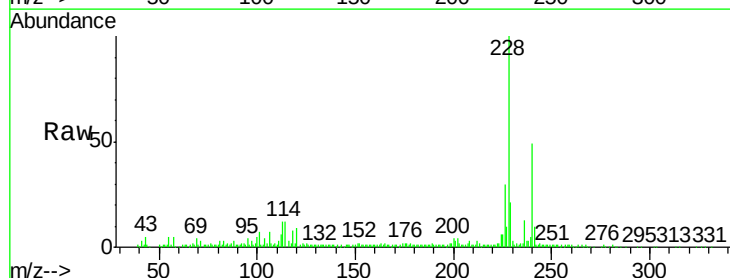
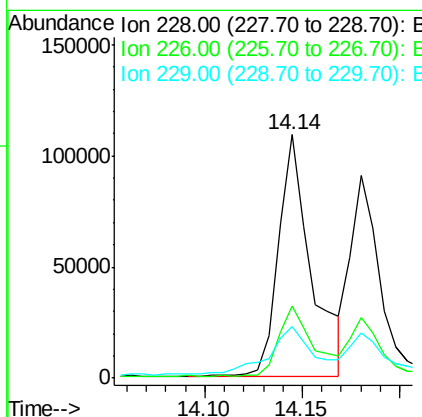
RT: 14.14 min Scan# 2050

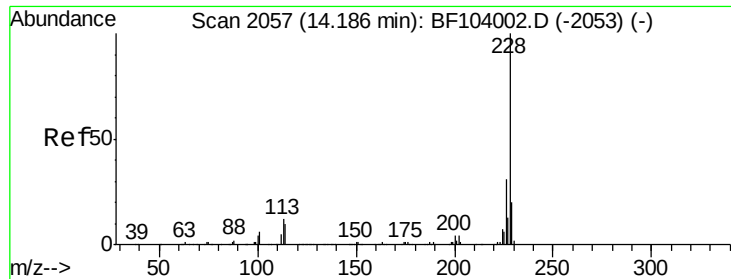
Delta R.T. -0.00 min

Lab File: BF104049.D

Acq: 29 Mar 2018 14:30

Tgt Ion:	228	Resp:	126966
Ion Ratio	Lower	Upper	
228	100		
226	29.8	22.6	33.8
229	21.3	15.8	23.6





#82

Chrysene

Concen: 6.445 ng

RT: 14.18 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF104049.D

Acq: 29 Mar 2018 14:30

Instrument :

BNA_F

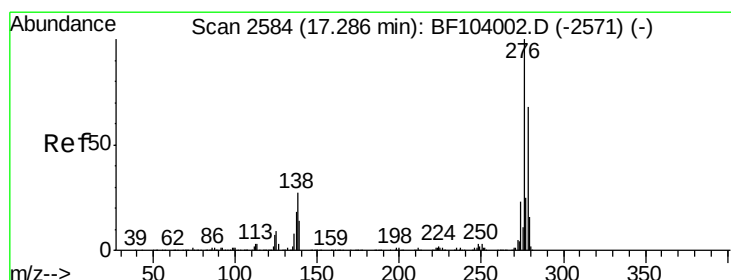
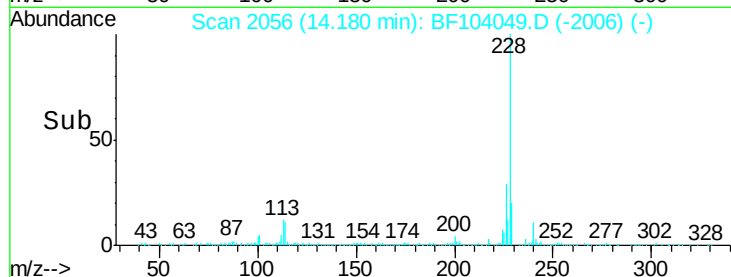
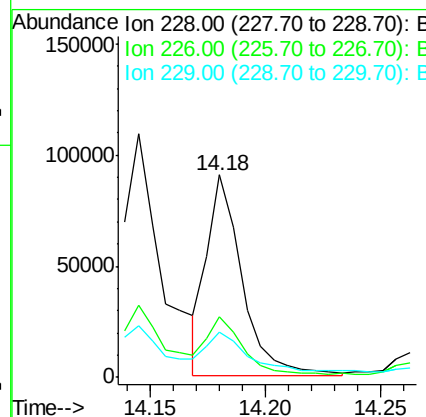
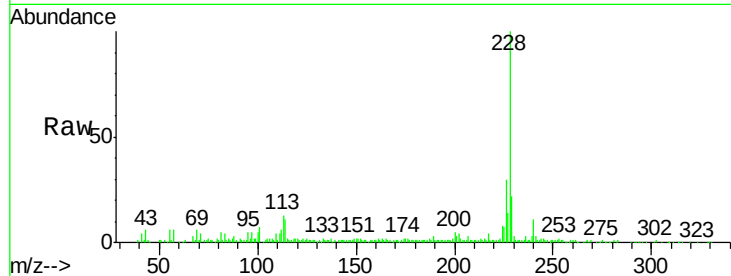
ClientSampleId :

OR-01-032718-A

Tot Ion:	228	Resp:	96394
Ion Ratio	Lower	Upper	
228	100		
226	29.9	25.0	37.6
229	22.3	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.537 ng

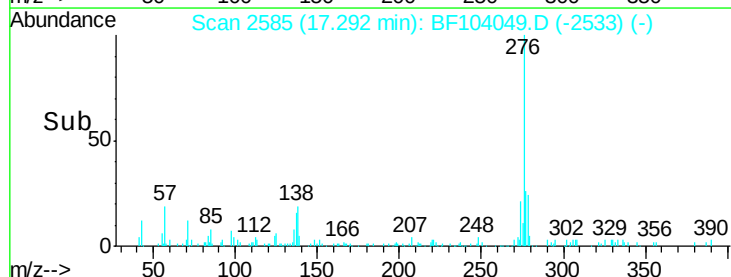
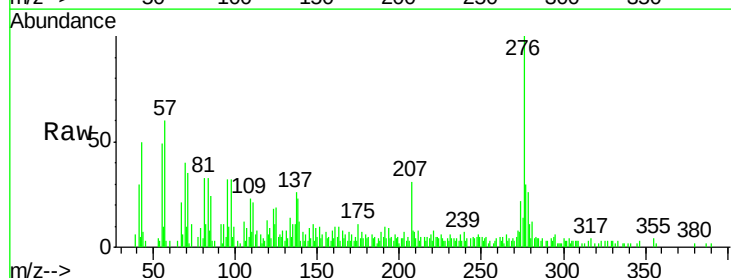
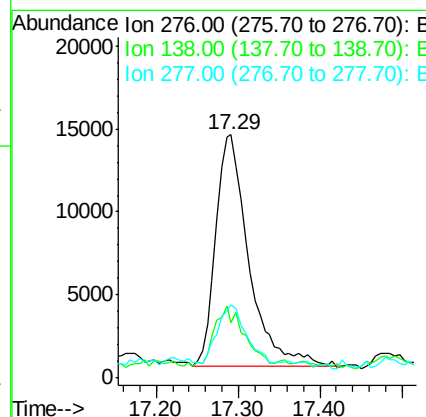
RT: 17.29 min Scan# 2585

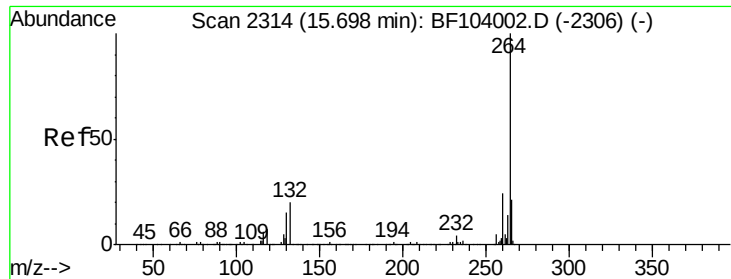
Delta R.T. 0.01 min

Lab File: BF104049.D

Acq: 29 Mar 2018 14:30

Tgt Ion:	276	Resp:	39326
Ion Ratio	Lower	Upper	
276	100		
138	24.4	25.0	37.6#
277	21.6	20.1	30.1





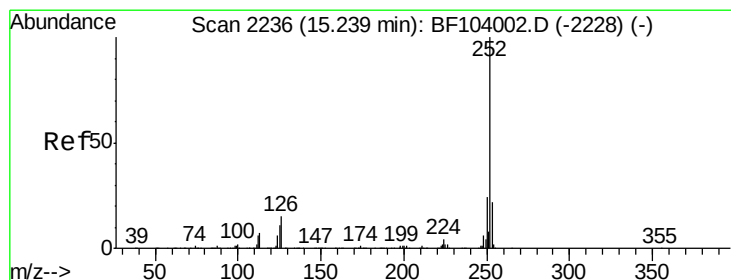
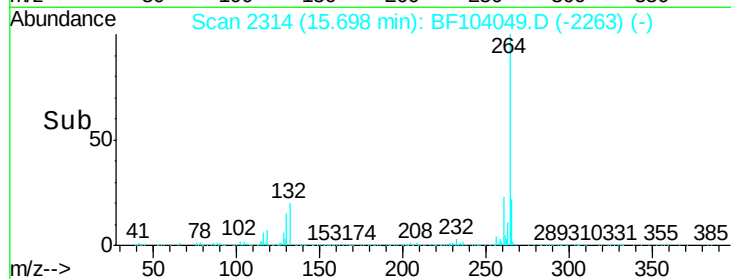
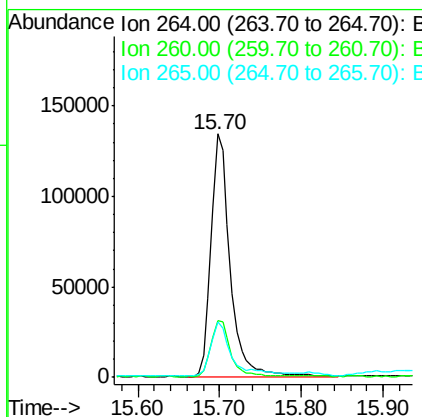
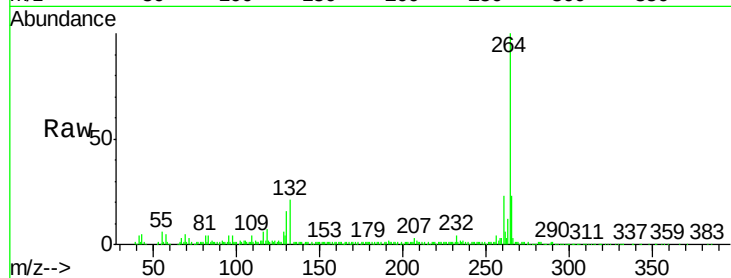
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2314
Delta R.T. -0.00 min
Lab File: BF104049.D
Acq: 29 Mar 2018 14:30

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	22.6	17.5	26.3

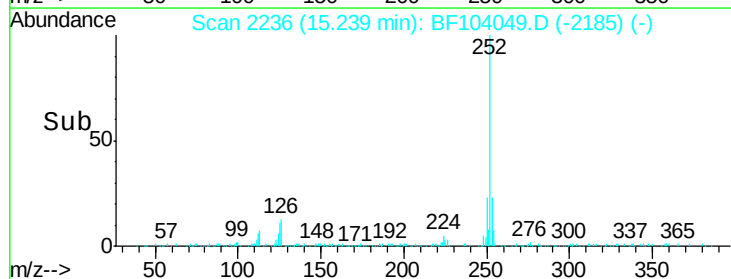
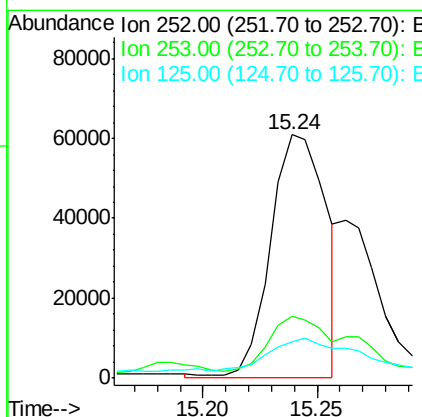
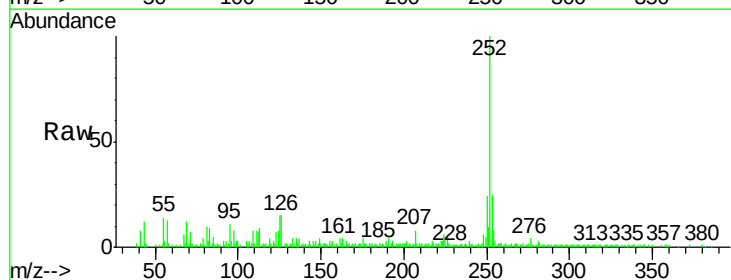
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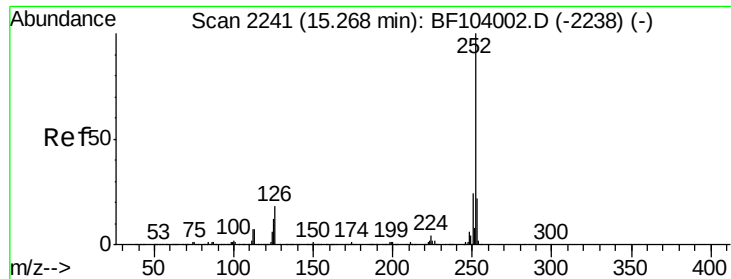
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3/30/2018 6:00:45 PM



#87
Benzo(b)fluoranthene
Concen: 7.841 ng m
RT: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF104049.D
Acq: 29 Mar 2018 14:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.0	25.6
125	15.0	9.0	13.6#





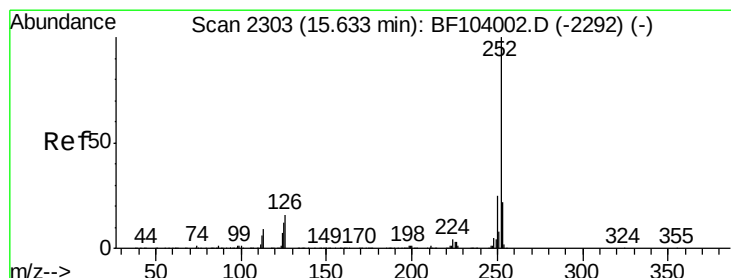
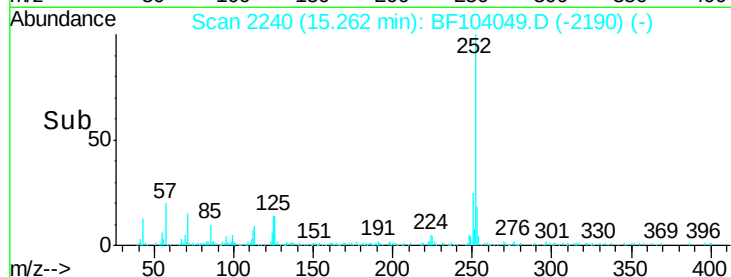
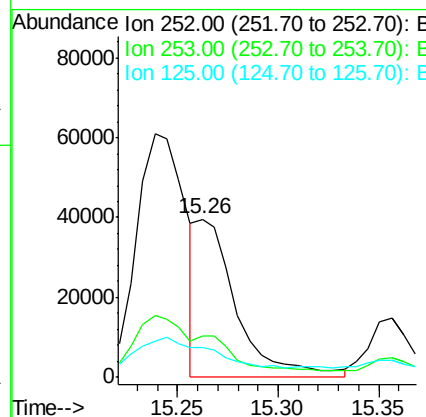
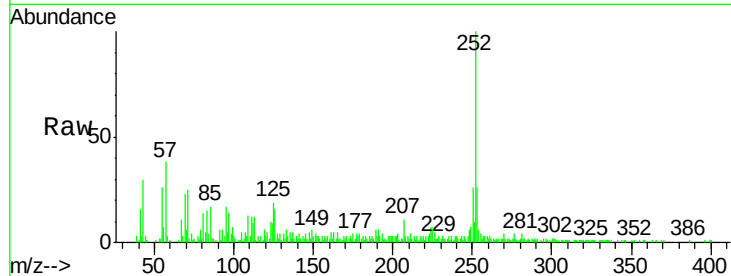
#88
Benzo(k)fluoranthene
Concen: 4.343 ng/mL
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF104049.D
Acq: 29 Mar 2018 14:30

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.9	26.9
125	18.8	10.2	15.2

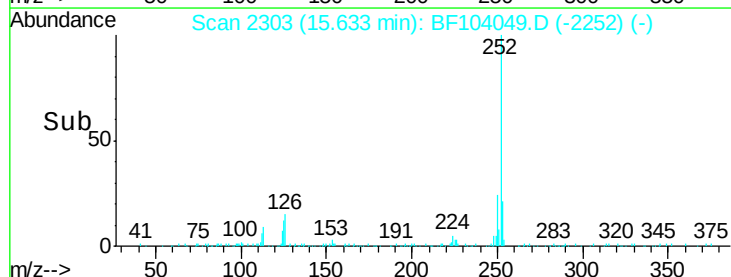
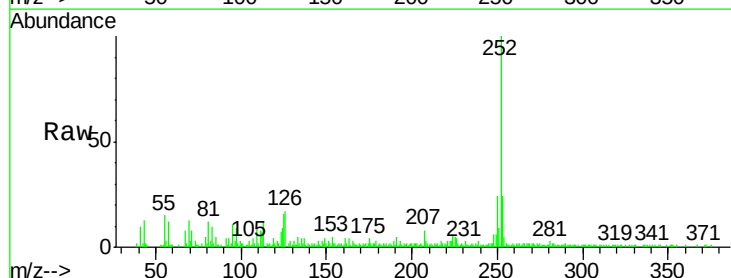
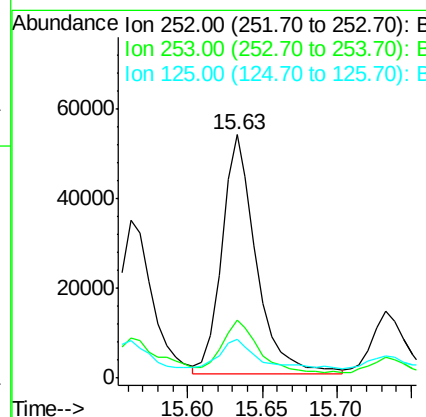
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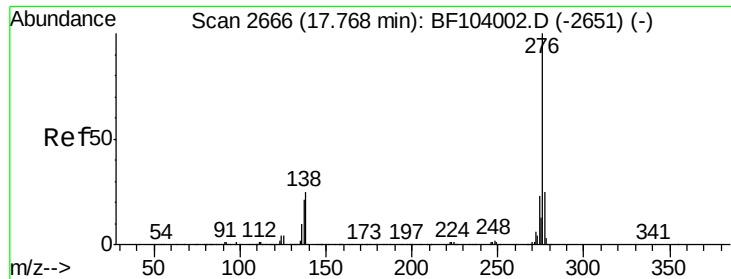
Sohil
3/30/2018 6:00:45 PM



#89
Benzo(a)pyrene
Concen: 7.021 ng/mL
RT: 15.63 min Scan# 2303
Delta R.T. -0.00 min
Lab File: BF104049.D
Acq: 29 Mar 2018 14:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	15.9	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 3.163 ng
 RT: 17.77 min Scan# 2667
 Delta R.T. 0.01 min
 Lab File: BF104049.D
 Acq: 29 Mar 2018 14:30

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	30.5	17.9	26.9#
138	29.2	21.8	32.8

Manual Integrations
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Sohil
 3/30/2018 6:00:45 PM

