

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040418\
 Data File : BF104252.D
 Acq On : 5 Apr 2018 4:07
 Operator : JU/SJ
 Sample : J2201-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MS-1

Manual Integrations
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 4/5/2018 4:39:18 PM

Quant Time: Apr 05 05:27:38 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 04 18:06:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	120558	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	536955	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	240411	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	393807	20.00	ng	0.00
75) Chrysene-d12	14.14	240	242870	20.00	ng	0.00
86) Perylene-d12	15.68	264	226678	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	1018949	134.79	ng	0.00
7) Phenol-d6	6.59	99	1310517	140.91	ng	-0.01
23) Nitrobenzene-d5	7.52	82	850957	96.92	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	334636	125.00	ng	0.00
44) 2-Fluorobiphenyl	9.30	172	1567162	102.79	ng	0.00
78) Terphenyl-d14	13.07	244	1237619	117.66	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.69	163	105729	5.570	ng	99
70) Phenanthrene	11.51	178	533936	25.043	ng	98
71) Anthracene	11.56	178	204041	9.162	ng	97
72) Carbazole	11.73	167	116187	5.466	ng	99
74) Fluoranthene	12.70	202	662288	29.223	ng	99
77) Pyrene	12.93	202	485953	27.834	ng	98
80) Benzo(a)anthracene	14.13	228	204438m	13.453	ng	
82) Chrysene	14.17	228	189205	12.712	ng	97
85) Indeno(1,2,3-cd)pyrene	17.27	276	65083	4.220	ng	# 91
87) Benzo(b)fluoranthene	15.22	252	166557m	12.073	ng	
88) Benzo(k)fluoranthene	15.24	252	94760m	7.292	ng	
89) Benzo(a)pyrene	15.62	252	141054	11.034	ng	95
91) Benzo(a,h,i)perylene	17.75	276	59449	5.022	ng	97

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

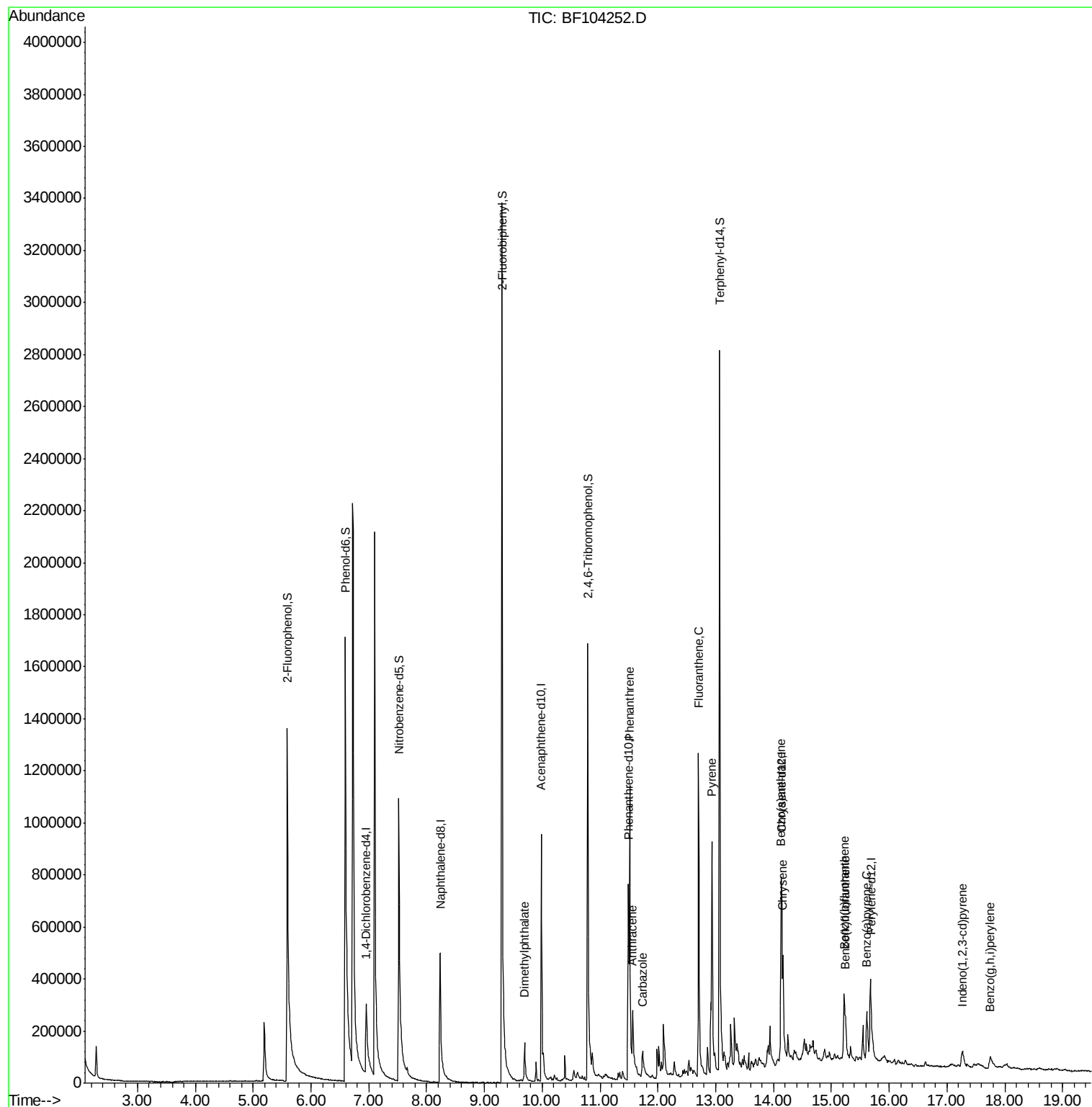
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040418\
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Misc :
ALS Vial : 28 Sample Multiplier: 1

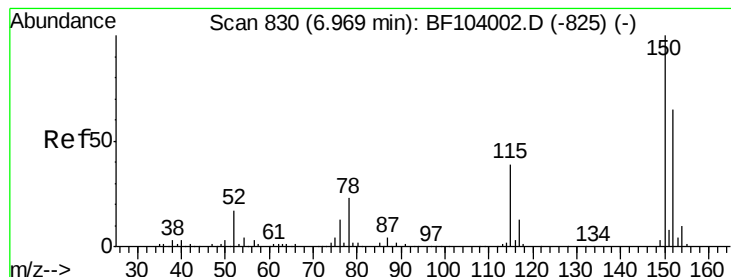
Instrument :
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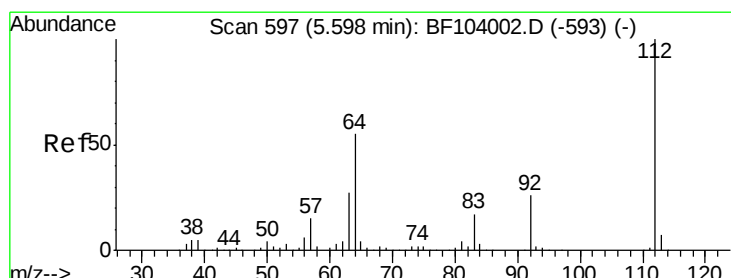
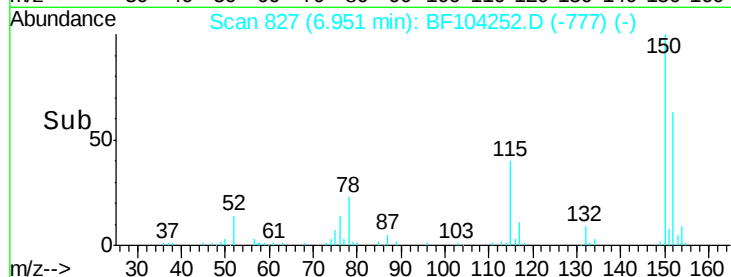
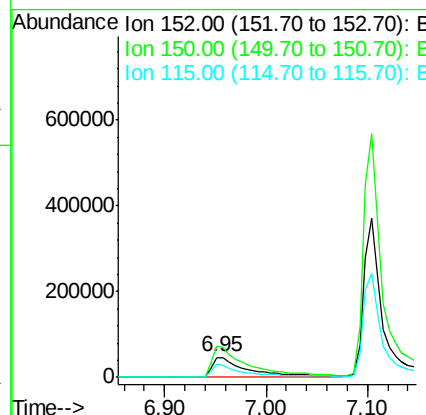
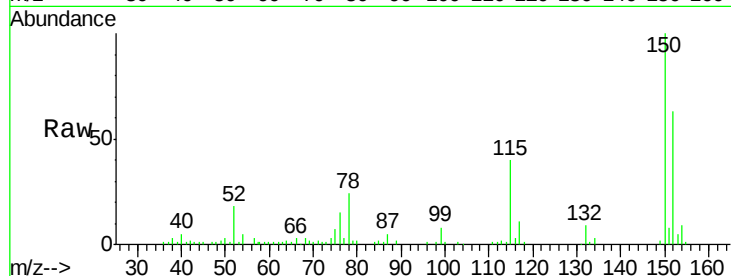
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 827
 Delta R.T. -0.01 min
 Lab File: BF104252.D
 Acq: 5 Apr 2018 4:07

Instrument :
 BNA_F
 ClientSampled :
 MS-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	124.6	186.8
115	64.3	50.1	75.1

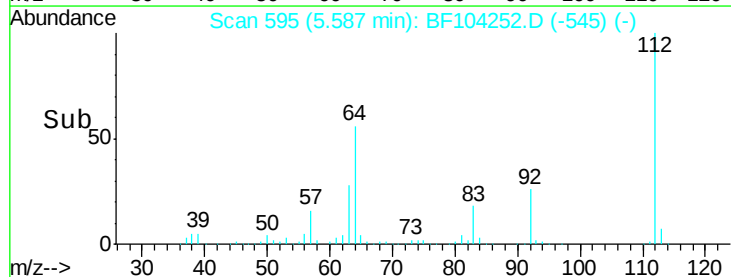
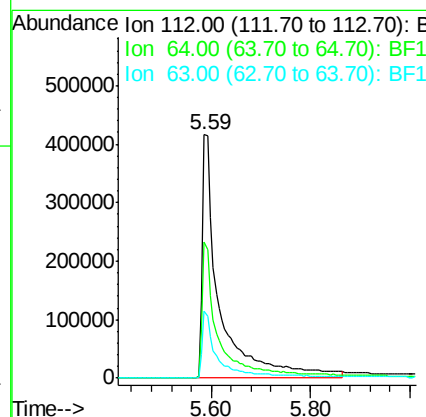
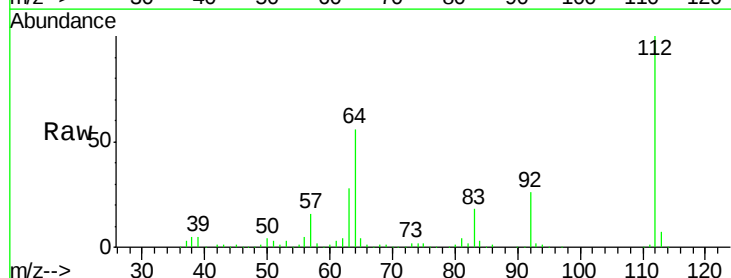
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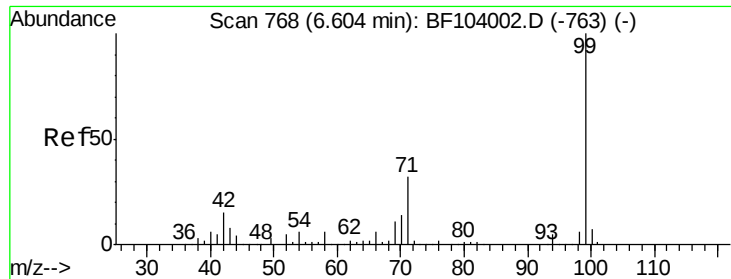
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#5
 2-Fluorophenol
 Concen: 134.787 ng
 RT: 5.59 min Scan# 595
 Delta R.T. -0.01 min
 Lab File: BF104252.D
 Acq: 5 Apr 2018 4:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	47.9	71.9
63	27.7	23.7	35.5





#7

Phenol-d6

Concen: 140.905 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF104252.D

Acq: 5 Apr 2018 4:07

Instrument :

BNA_F

ClientSampled :

MS-1

Tot Ion: 99 Resp: 1310517

Ion Ratio Lower Upper

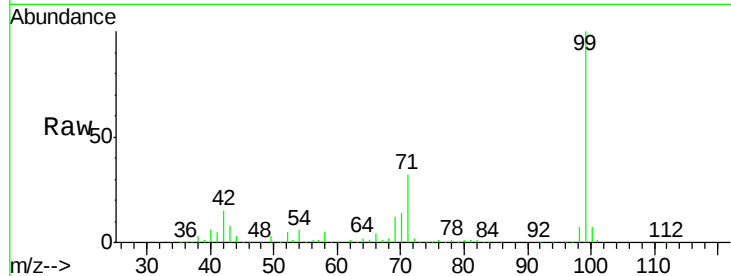
99 100

42 14.6 14.5 21.7

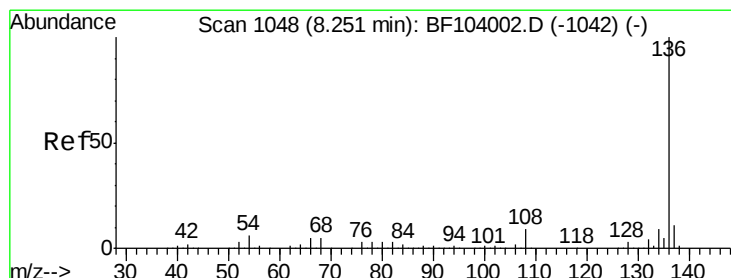
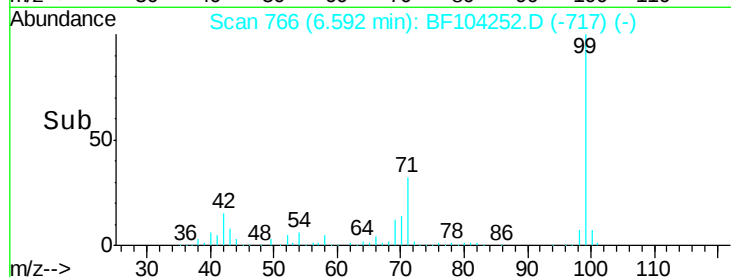
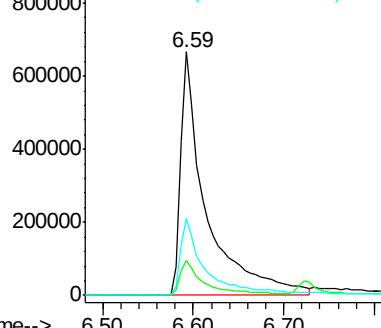
71 31.9 25.4 38.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.23 min Scan# 1045

Delta R.T. -0.00 min

Lab File: BF104252.D

Acq: 5 Apr 2018 4:07

Tgt Ion: 136 Resp: 536955

Ion Ratio Lower Upper

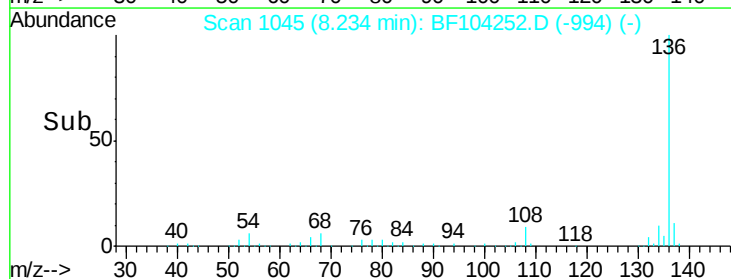
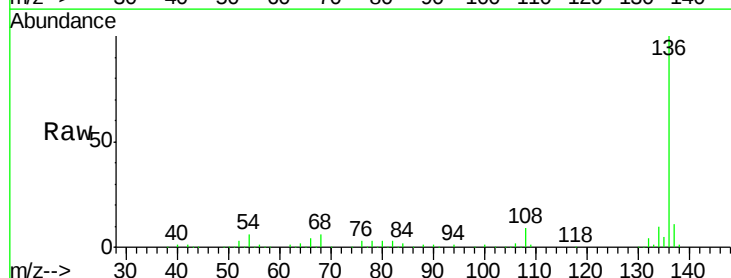
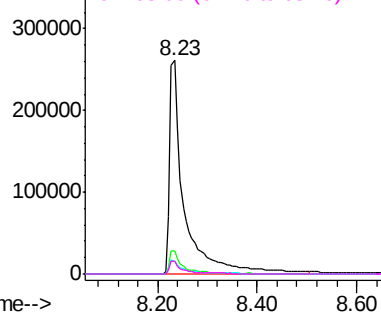
136 100

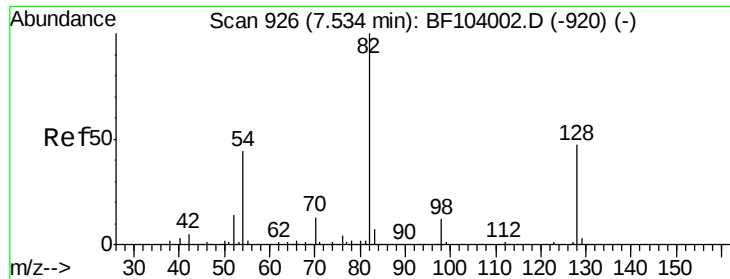
137 10.8 8.9 13.3

54 6.2 6.6 9.8#

68 5.9 5.0 7.4

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





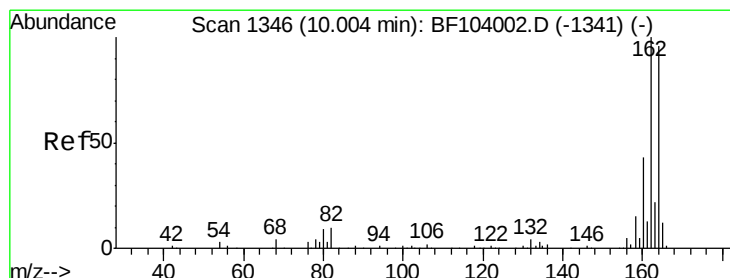
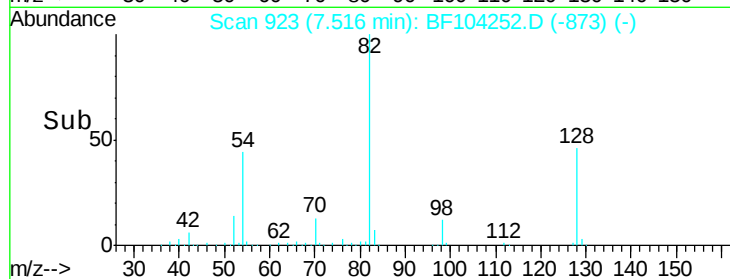
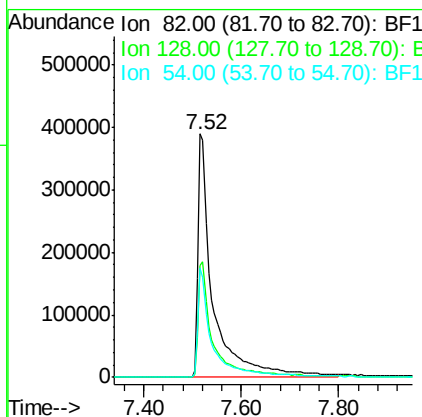
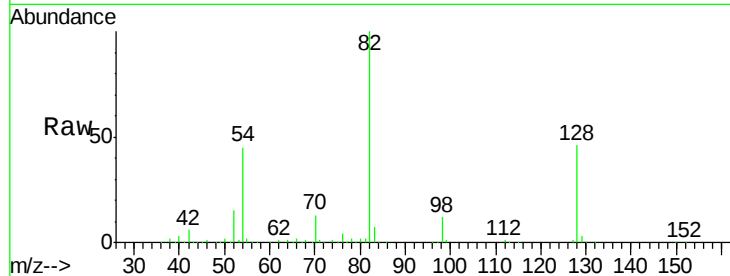
#23
 Nitrobenzene-d5
 Concen: 96.918 ng
 RT: 7.52 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BF104252.D
 Acq: 5 Apr 2018 4:07

Instrument :
 BNA_F
 ClientSampled :
 MS-1

Tot Ion	82	Resp	850957
Ion Ratio	100	Lower	Upper
128	45.7	36.1	54.1
54	44.6	41.4	62.2

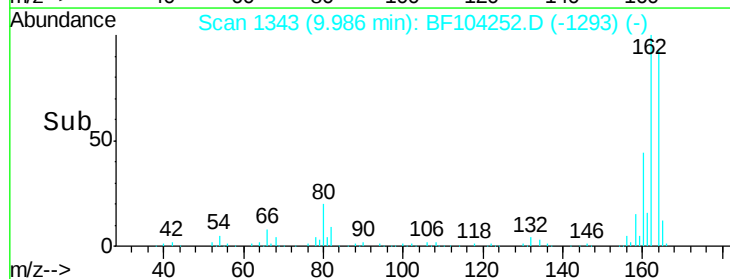
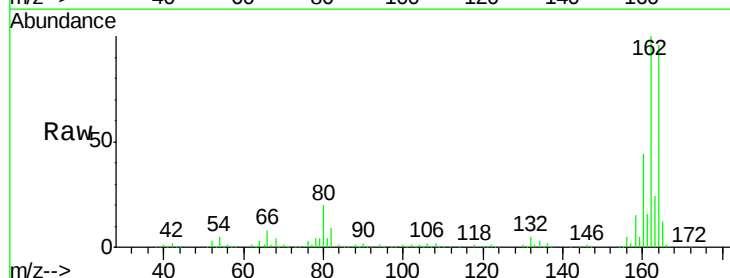
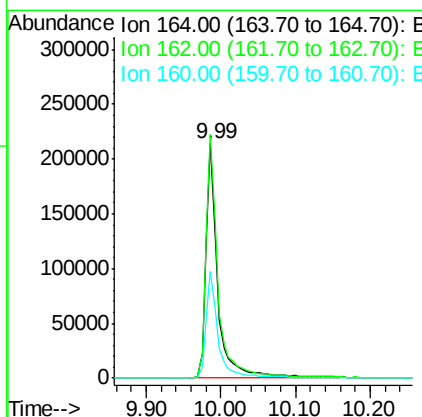
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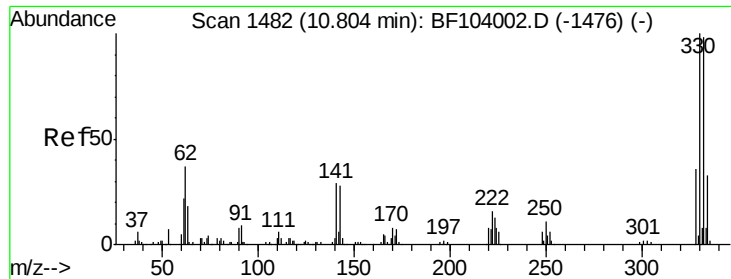
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.01 min
 Lab File: BF104252.D
 Acq: 5 Apr 2018 4:07

Tgt Ion	164	Resp	240411
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
162	104.0	86.1	129.1
160	45.6	38.3	57.5





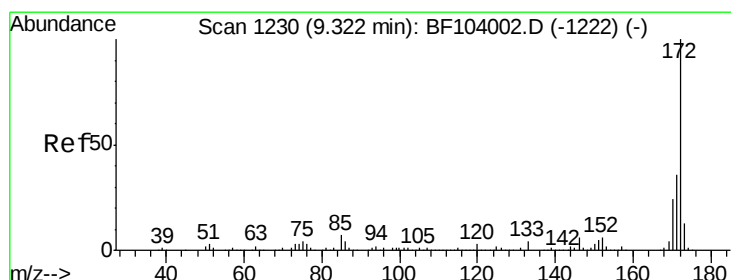
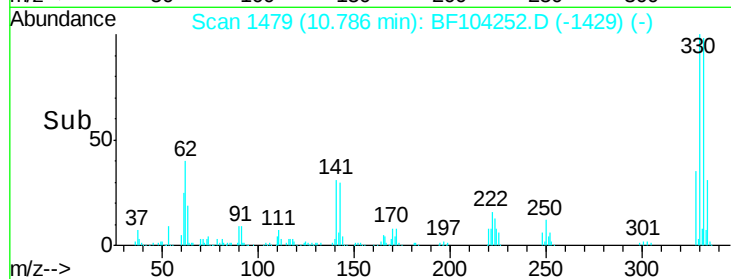
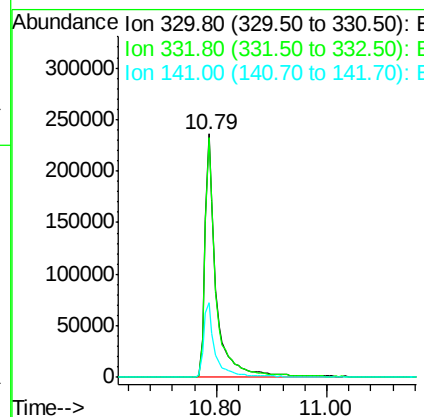
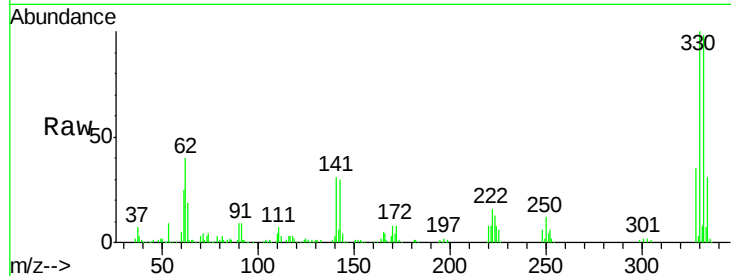
#41
 2,4,6-Tribromophenol
 Concen: 125.005 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: BF104252.D
 Acq: 5 Apr 2018 4:07

Instrument :
 BNA_F
 ClientSampled :
 MS-1

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.1	77.0	115.6	
141	31.2	29.9	44.9	

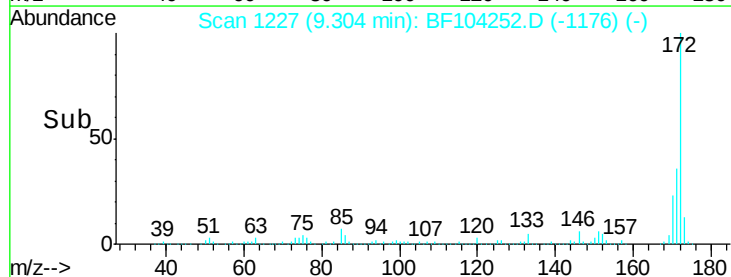
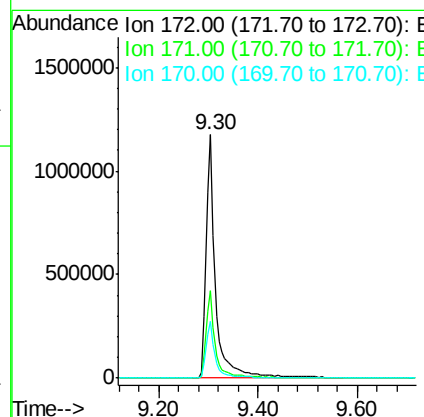
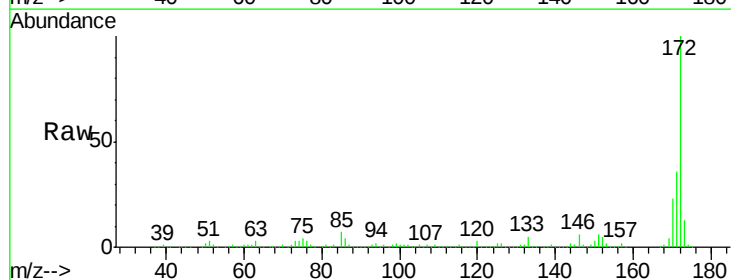
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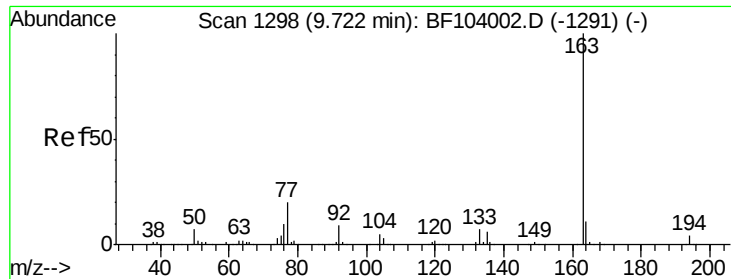
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#44
 2-Fluorobiphenyl
 Concen: 102.794 ng
 RT: 9.30 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: BF104252.D
 Acq: 5 Apr 2018 4:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.1	29.7	44.5	
170	23.5	19.6	29.4	





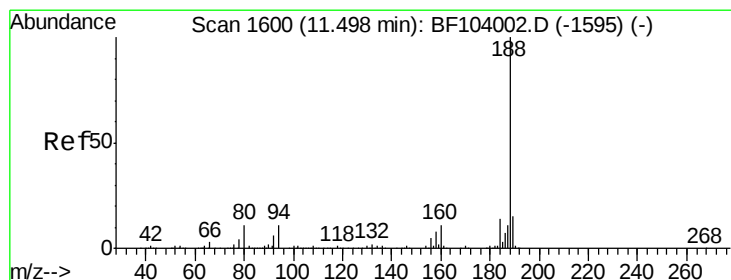
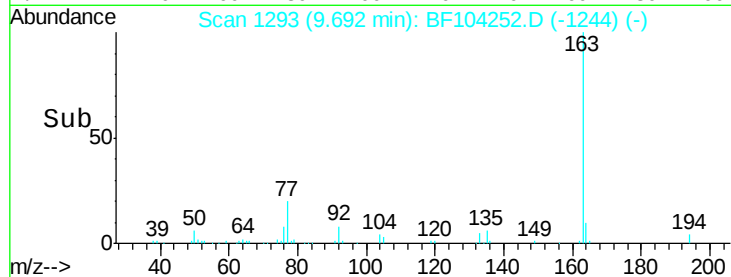
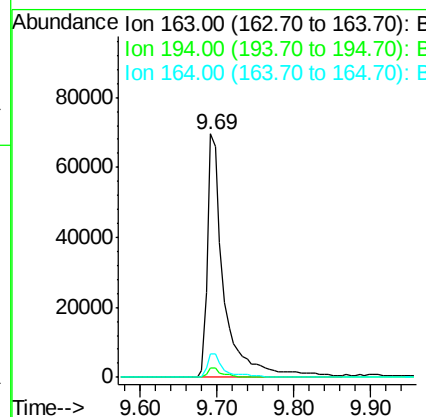
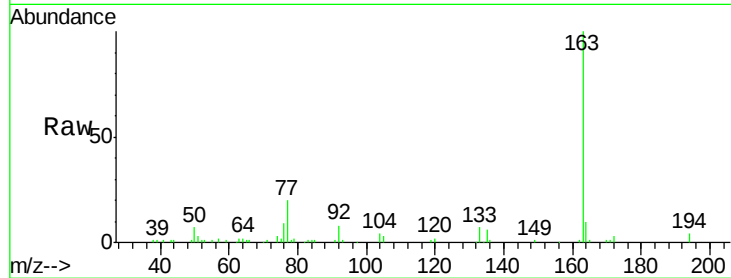
#49
Dimethylphthalate
Concen: 5.570 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF104252.D
Acq: 5 Apr 2018 4:07

Instrument :
BNA_F
ClientSampleId :
MS-1

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.6	2.7	4.1	
164	9.6	8.2	12.2	

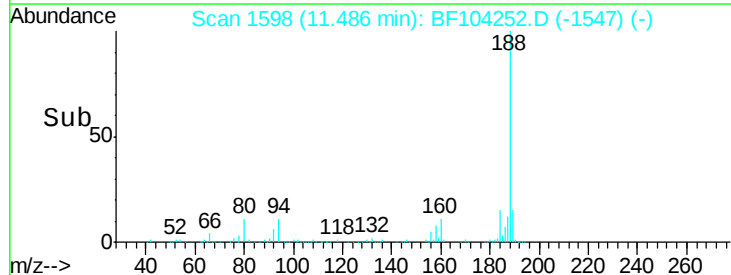
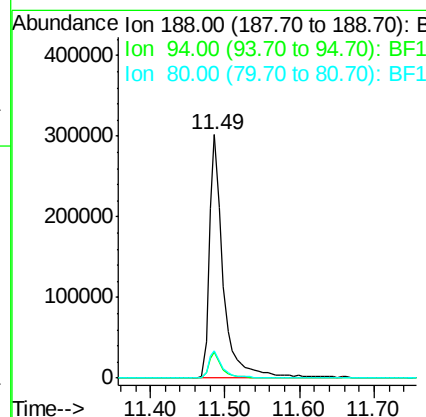
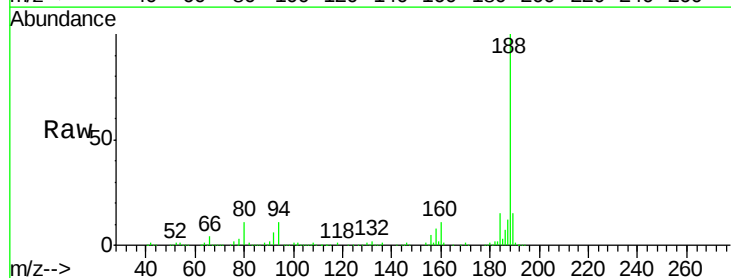
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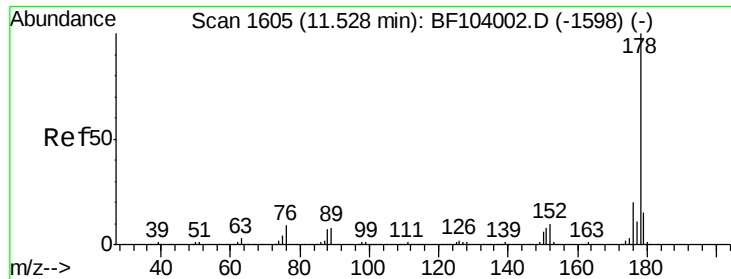
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.00 min
Lab File: BF104252.D
Acq: 5 Apr 2018 4:07

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.8	8.5	12.7	
80	11.2	9.2	13.8	





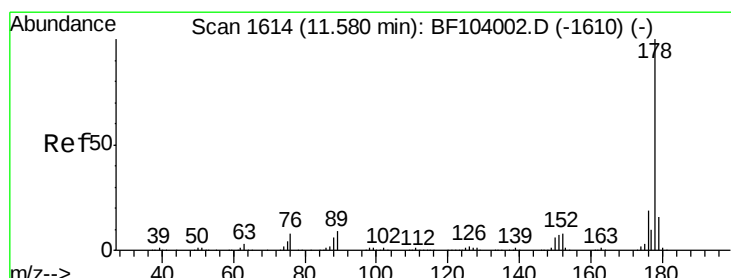
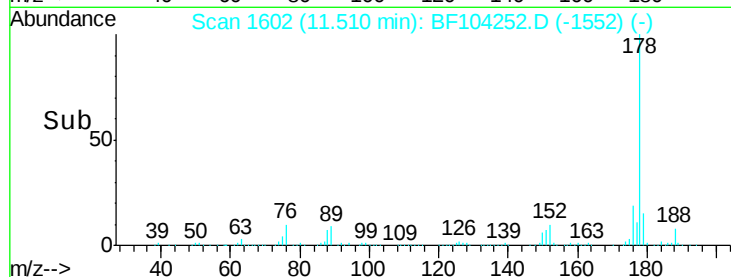
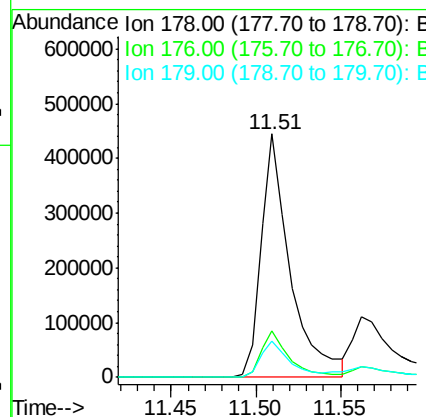
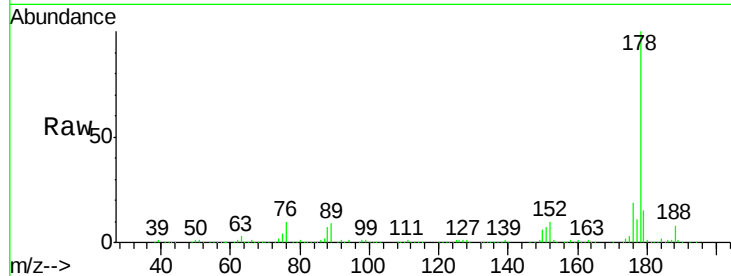
#70
Phenanthrene
Concen: 25.043 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BF104252.D
Acq: 5 Apr 2018 4:07

Instrument :
BNA_F
ClientSampleId :
MS-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.1	13.0	19.6

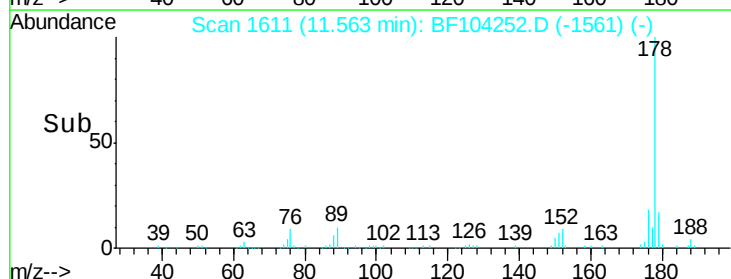
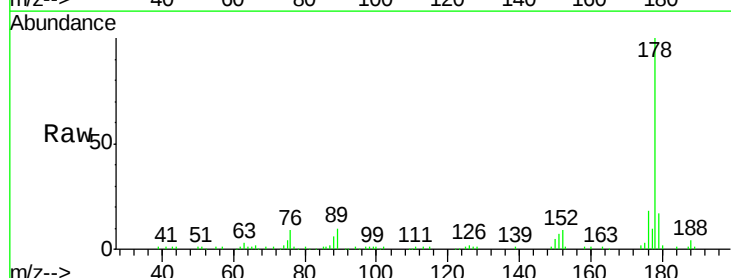
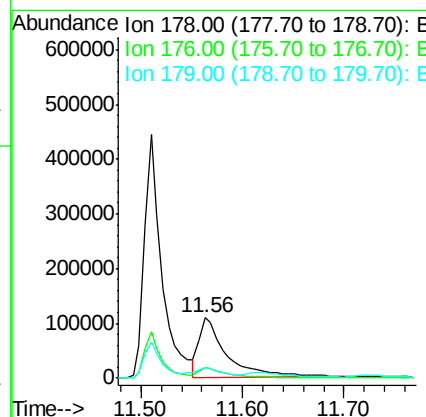
Manual Integrations
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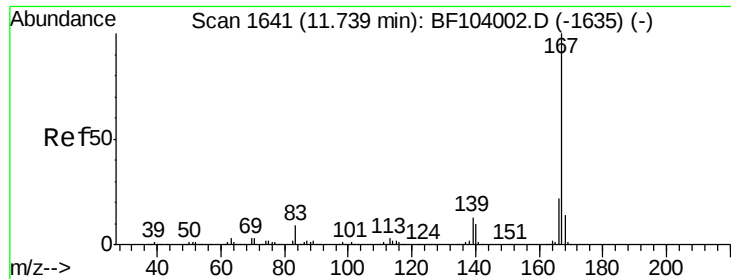
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#71
Anthracene
Concen: 9.162 ng
RT: 11.56 min Scan# 1611
Delta R.T. -0.01 min
Lab File: BF104252.D
Acq: 5 Apr 2018 4:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.2
179	17.3	12.6	19.0





#72

Carbazole

Concen: 5.466 ng

RT: 11.73 min Scan# 1640

Delta R.T. -0.00 min

Lab File: BF104252.D

Acq: 5 Apr 2018 4:07

Instrument :

BNA_F

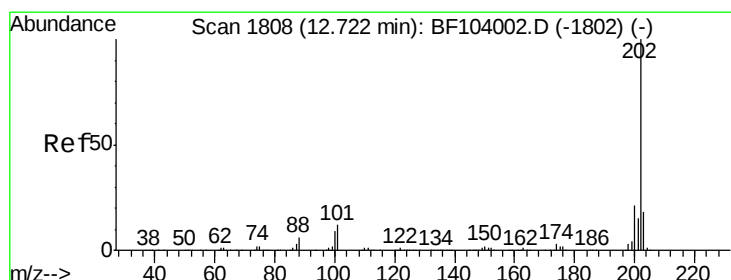
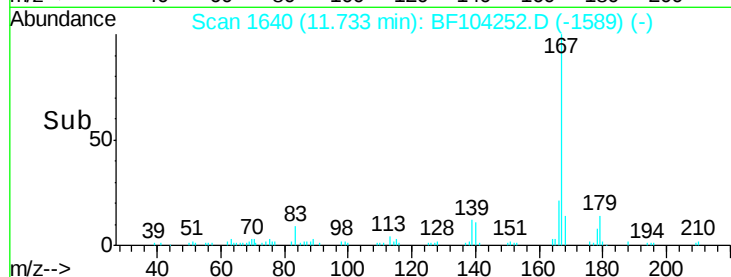
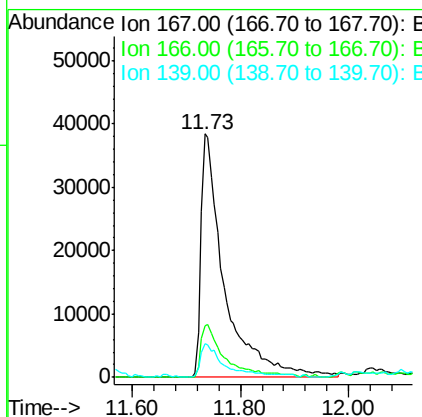
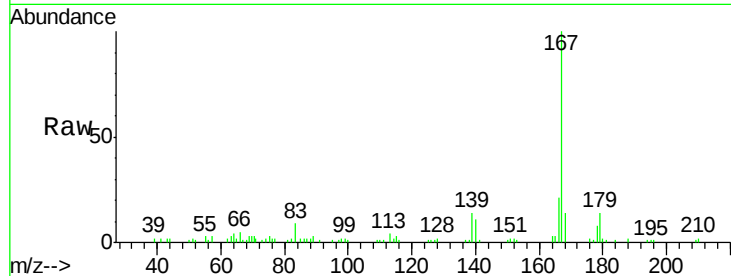
ClientSampled :

MS-1

Tot Ion:	167	Resp:	116187
Ion Ratio	Lower	Upper	
167	100		
166	21.0	17.6	26.4
139	13.7	10.9	16.3

Manual Integrations
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#74

Fluoranthene

Concen: 29.223 ng

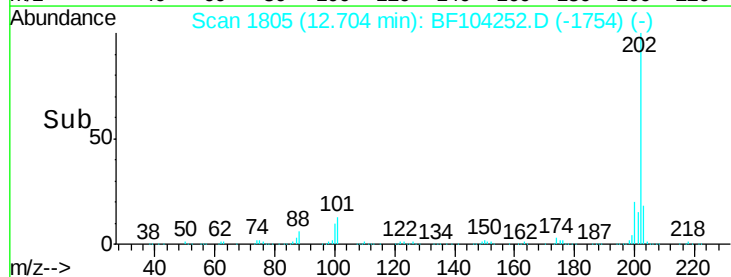
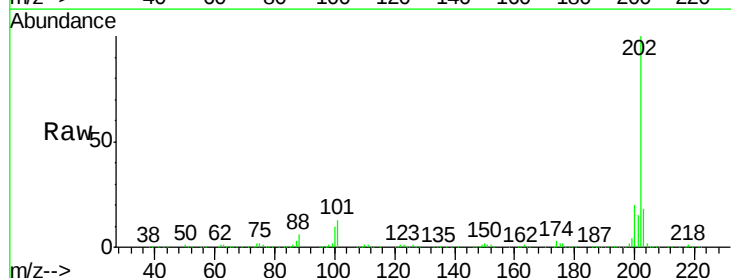
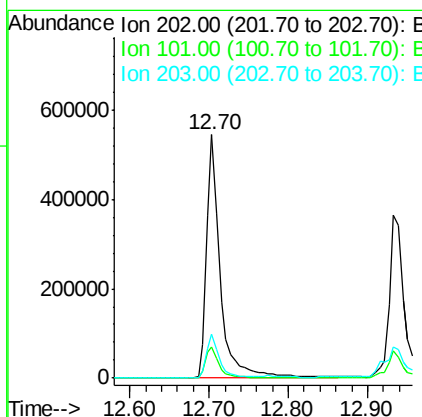
RT: 12.70 min Scan# 1805

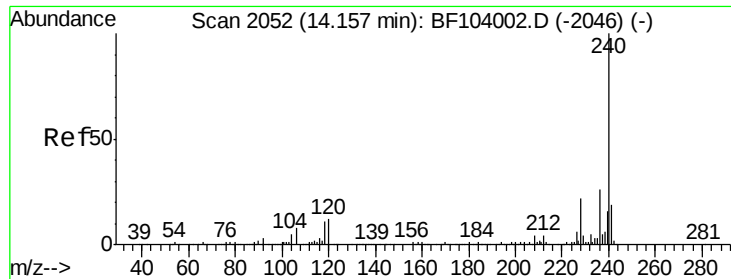
Delta R.T. -0.00 min

Lab File: BF104252.D

Acq: 5 Apr 2018 4:07

Tgt Ion:	202	Resp:	662288
Ion Ratio	Lower	Upper	
202	100		
101	13.0	0.0	34.1
203	17.9	0.0	38.1





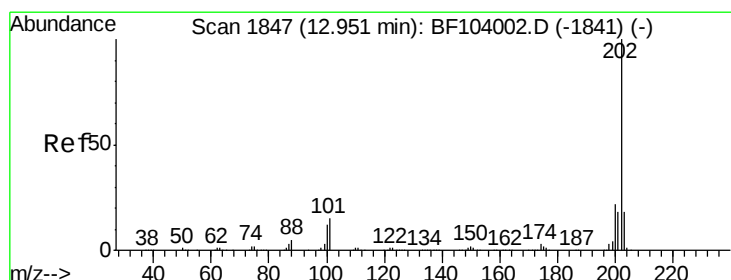
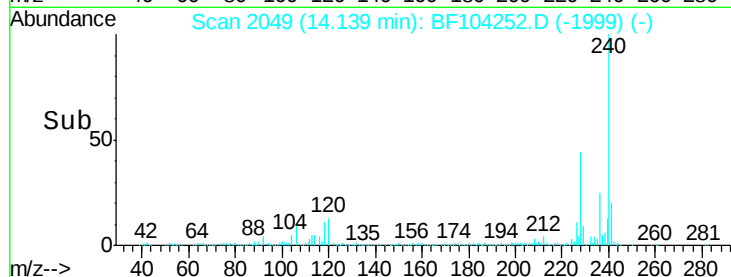
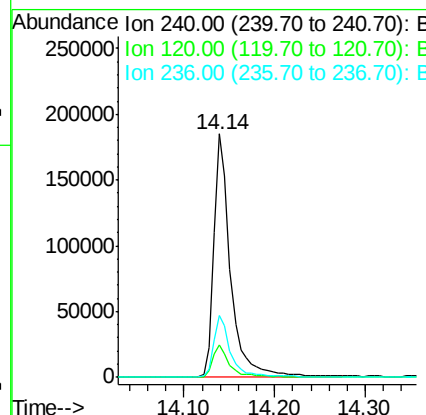
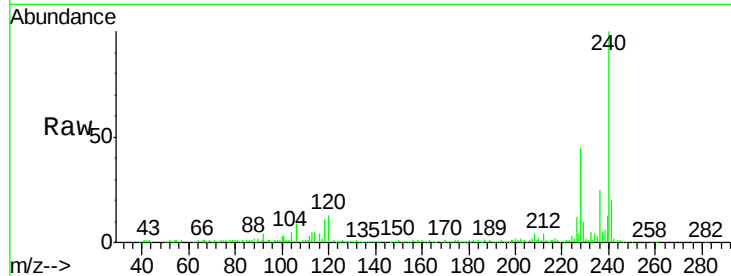
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.01 min
Lab File: BF104252.D
Acq: 5 Apr 2018 4:07

Instrument :
BNA_F
ClientSampled :
MS-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.4	9.5	14.3
236	25.4	20.7	31.1

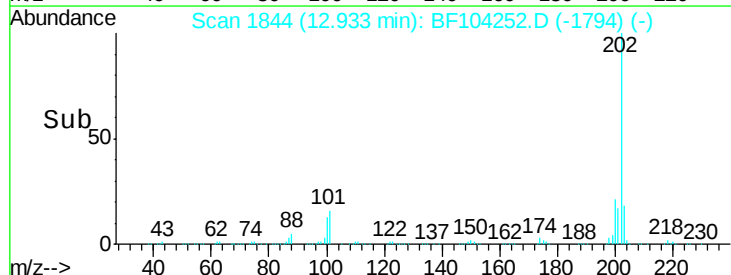
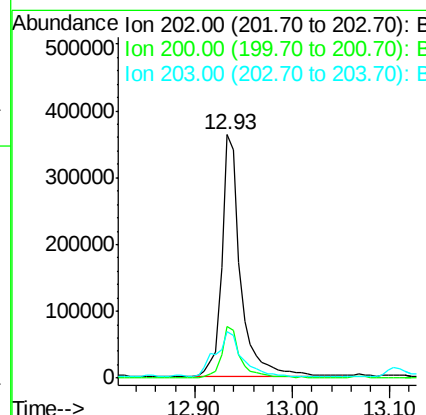
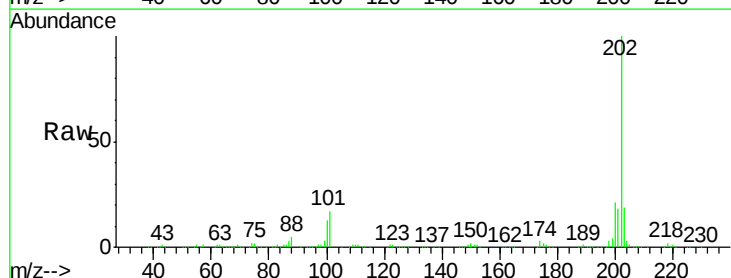
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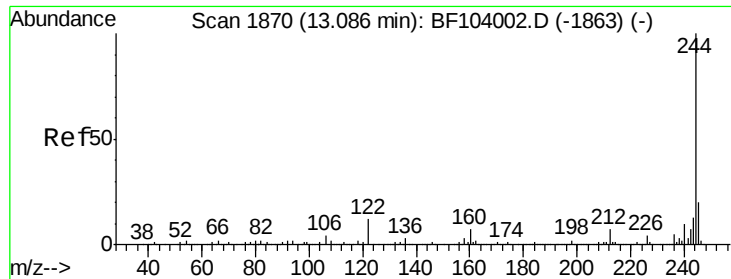
Sohil
4/5/2018 4:39:18 PM



#77
Pyrene
Concen: 27.834 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BF104252.D
Acq: 5 Apr 2018 4:07

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	19.0	14.3	21.5





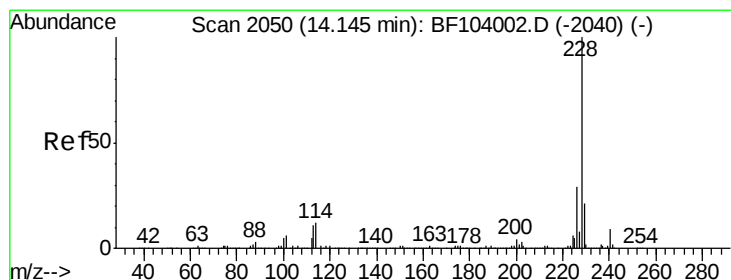
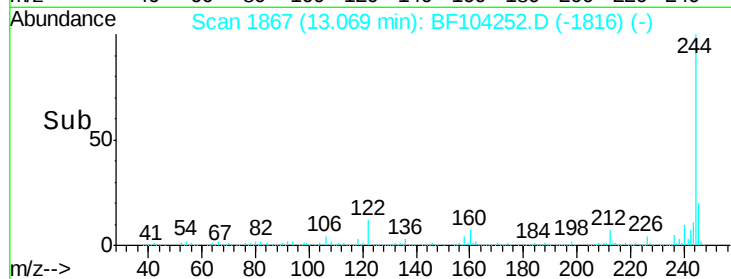
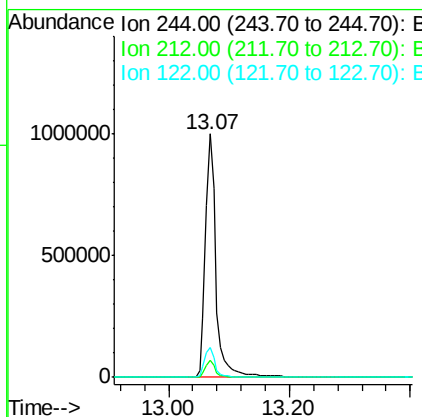
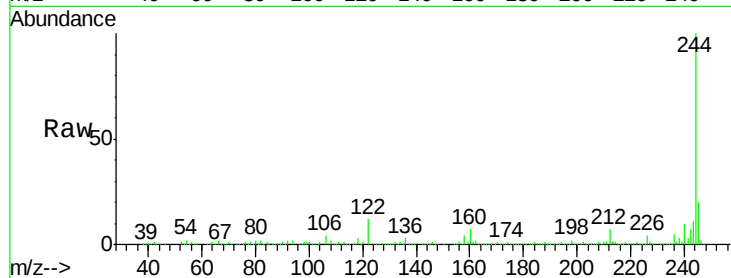
#78
 Terphenyl-d14
 Concen: 117.660 ng
 RT: 13.07 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: BF104252.D
 Acq: 5 Apr 2018 4:07

Instrument :
 BNA_F
 ClientSampled :
 MS-1

Tot Ion:244 Resp: 1237619
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 12.4 11.0 16.4

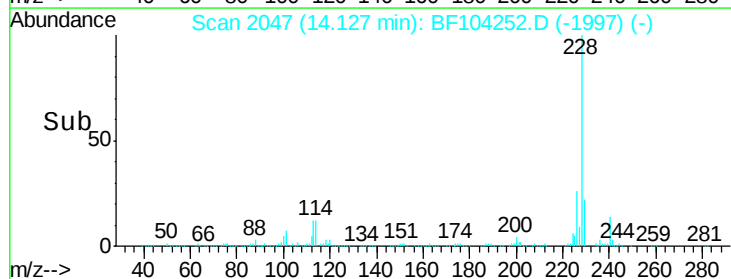
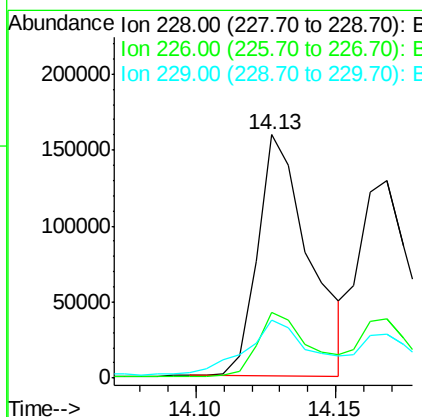
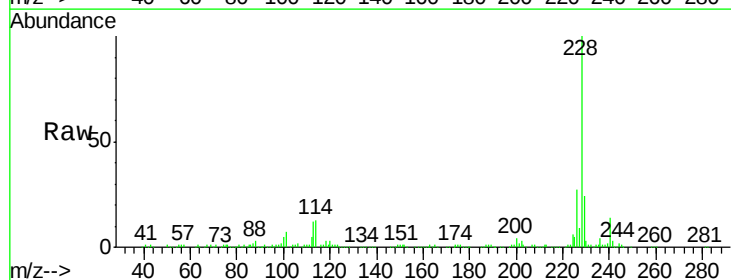
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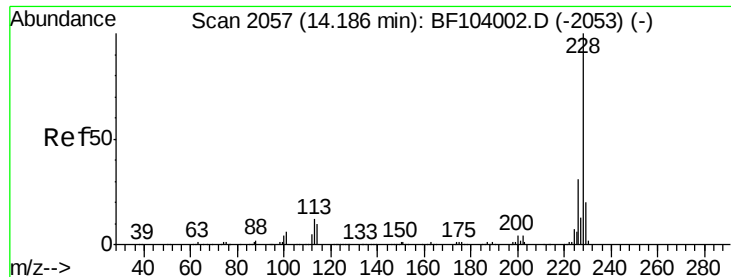
Sohil
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#80
 Benzo(a)anthracene
 Concen: 13.453 ng m
 RT: 14.13 min Scan# 2047
 Delta R.T. -0.01 min
 Lab File: BF104252.D
 Acq: 5 Apr 2018 4:07

Tgt Ion:228 Resp: 204438
 Ion Ratio Lower Upper
 228 100
 226 26.8 22.6 33.8
 229 23.7 15.8 23.6#





#82

Chrysene

Concen: 12.712 ng

RT: 14.17 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BF104252.D

Acq: 5 Apr 2018 4:07

Instrument :

BNA_F

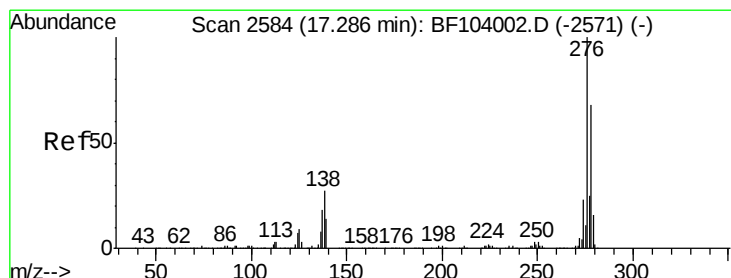
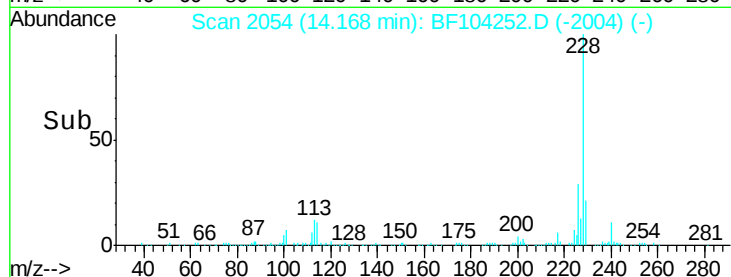
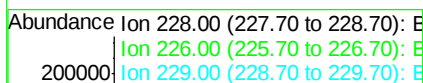
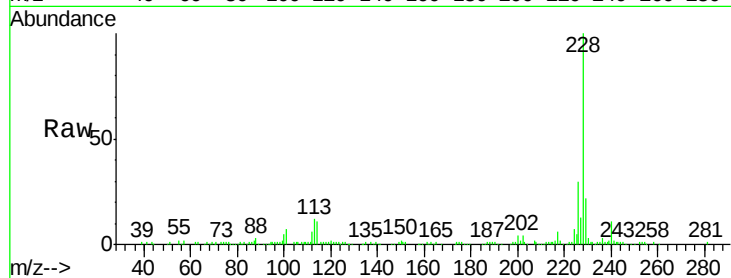
ClientSampled :

MS-1

Tot Ion:	228	Resp:	189205
Ion Ratio	Lower	Upper	
228	100		
226	29.8	25.0	37.6
229	22.1	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.220 ng

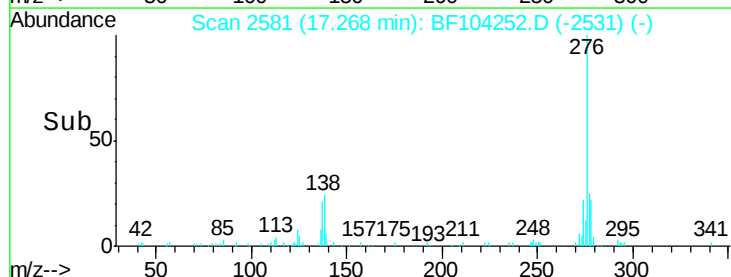
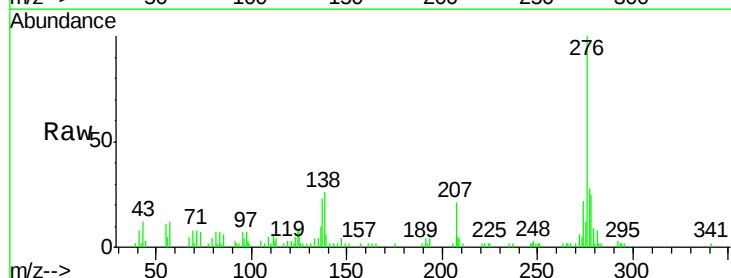
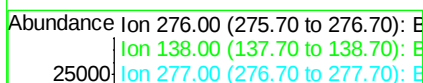
RT: 17.27 min Scan# 2581

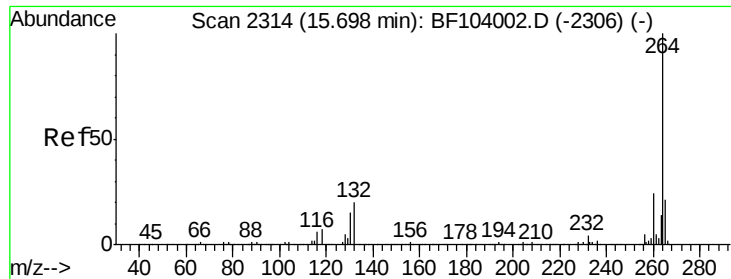
Delta R.T. -0.01 min

Lab File: BF104252.D

Acq: 5 Apr 2018 4:07

Tgt Ion:	276	Resp:	65083
Ion Ratio	Lower	Upper	
276	100		
138	23.4	25.0	37.6#
277	23.4	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2311

Delta R.T. -0.00 min

Lab File: BF104252.D

Acq: 5 Apr 2018 4:07

Instrument :

BNA_F

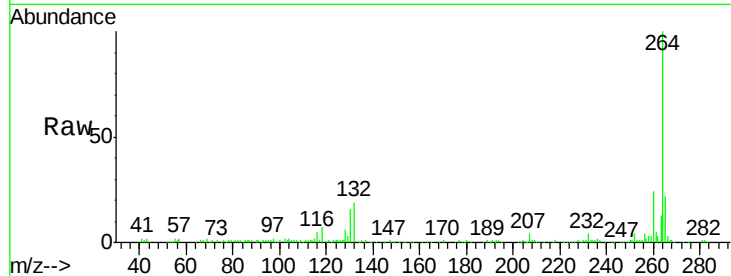
ClientSampled :

MS-1

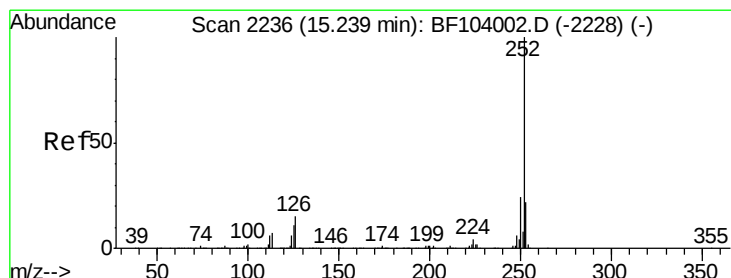
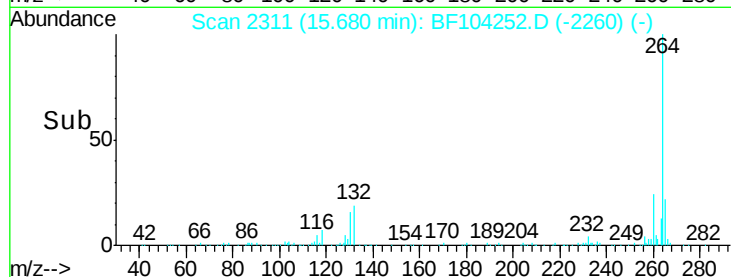
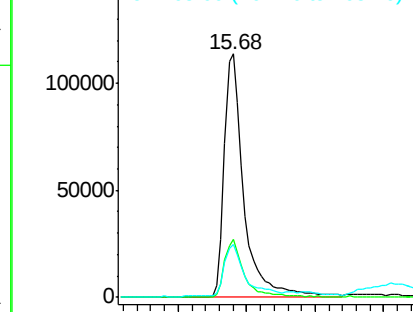
Tot Ion:	264	Resp:	226678
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.2	28.8
265	21.9	17.5	26.3

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 12.073 ng m

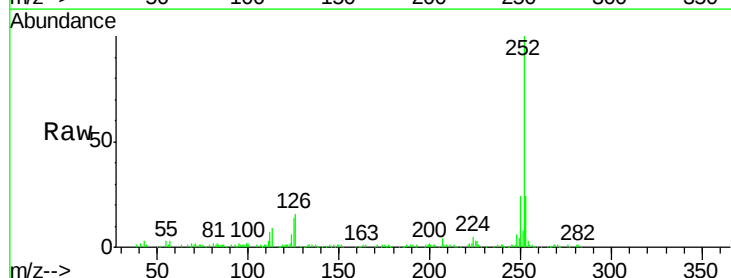
RT: 15.22 min Scan# 2233

Delta R.T. -0.00 min

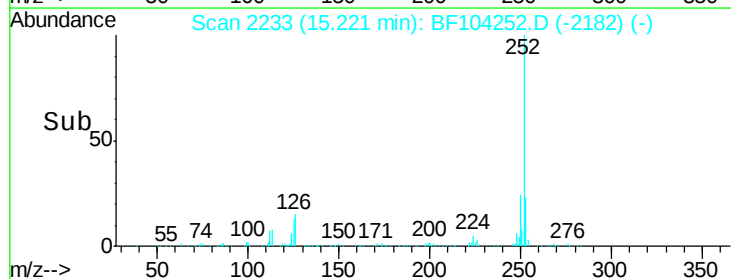
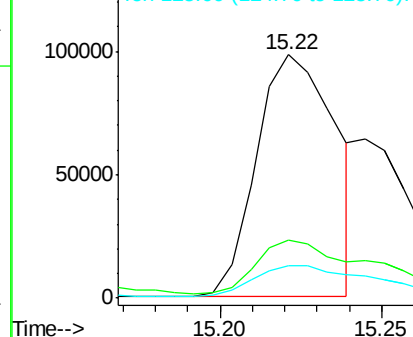
Lab File: BF104252.D

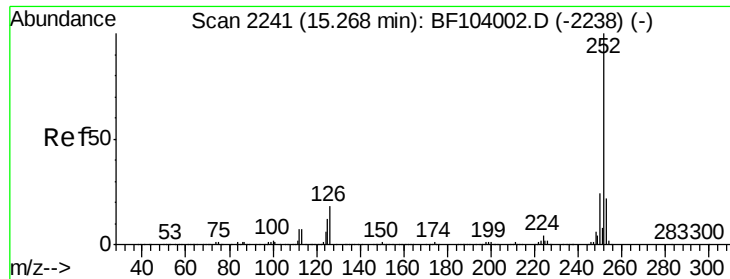
Acq: 5 Apr 2018 4:07

Tgt Ion:	252	Resp:	166557
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.0	25.6
125	13.5	9.0	13.6



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





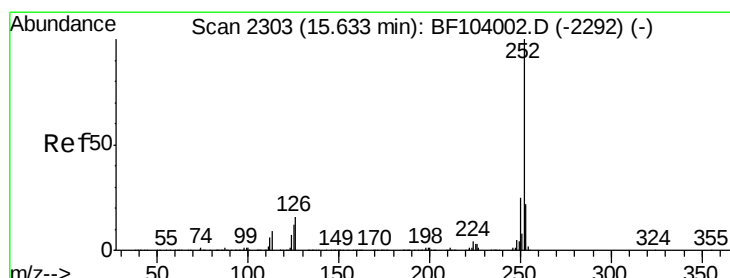
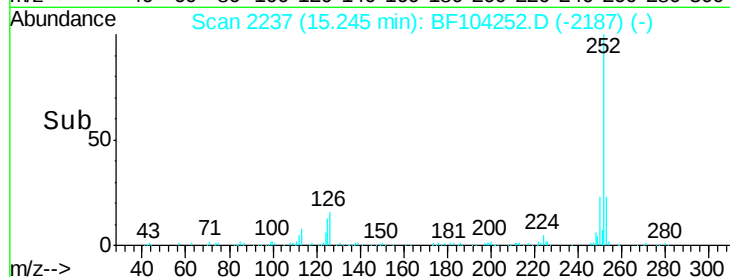
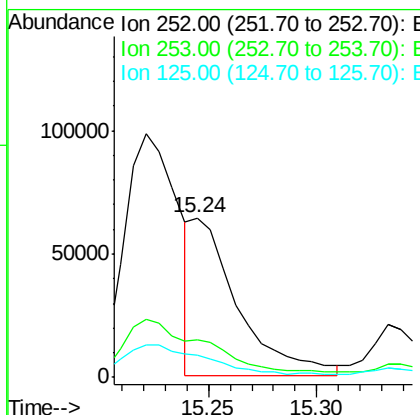
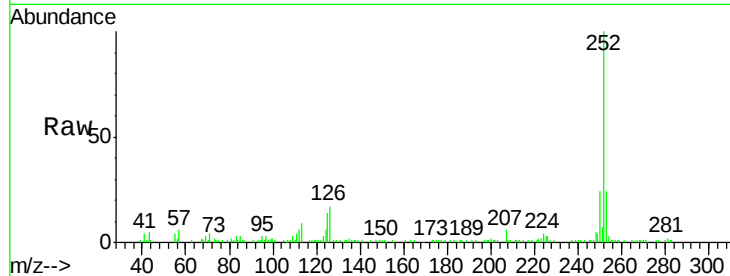
#88
Benzo(k)fluoranthene
Concen: 7.292 ng m
RT: 15.24 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF104252.D
Acq: 5 Apr 2018 4:07

Instrument :
BNA_F
ClientSampled :
MS-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	14.3	10.2	15.2

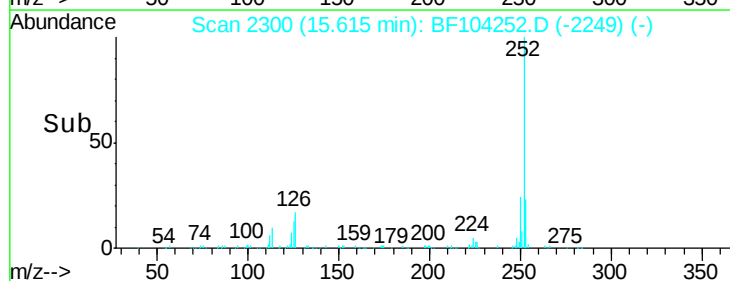
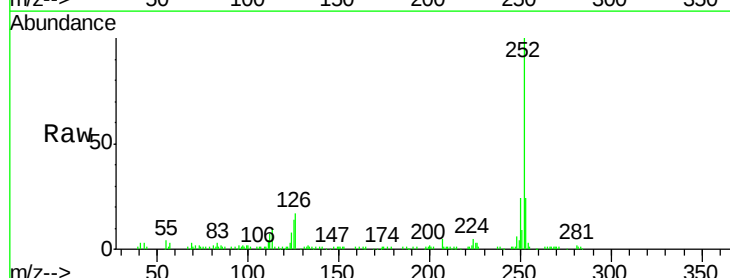
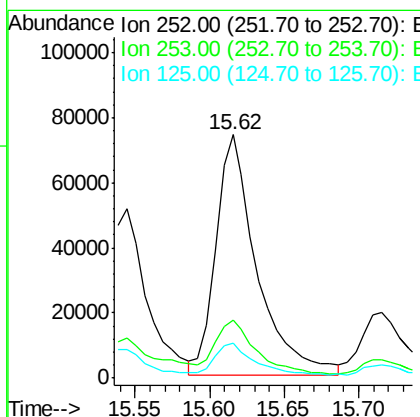
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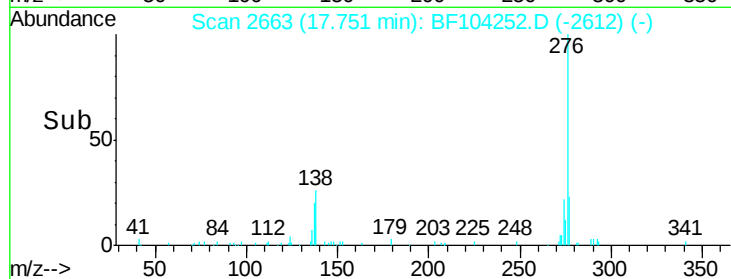
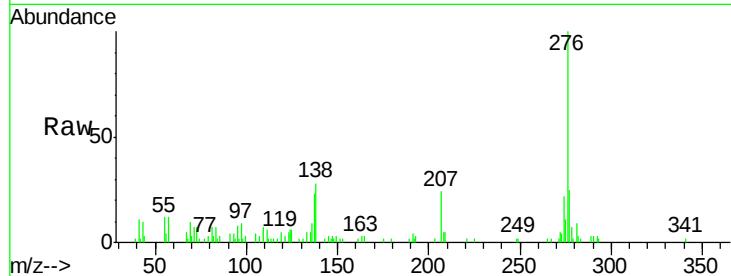
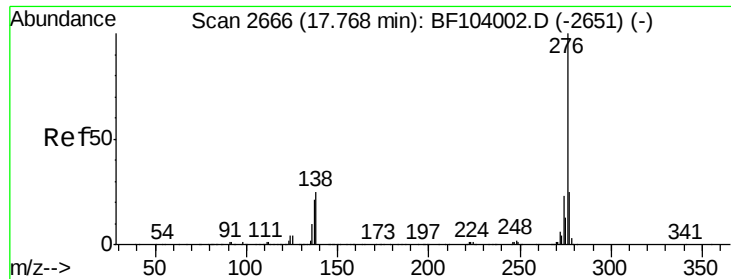
Sohil
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#89
Benzo(a)pyrene
Concen: 11.034 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.00 min
Lab File: BF104252.D
Acq: 5 Apr 2018 4:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	14.2	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 5.022 ng
 RT: 17.75 min Scan# 2663
 Delta R.T. -0.00 min
 Lab File: BF104252.D
 Acq: 5 Apr 2018 4:07

Instrument :
 BNA_F
 ClientSampleId :
 MS-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	17.9	26.9
138	28.3	21.8	32.8

Manual Integrations
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 4/5/2018 4:39:18 PM

