

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF040218\
 Data File : BF104166.D
 Acq On : 3 Apr 2018 7:28
 Operator : JU/SJ
 Sample : J2176-03
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB52_W_8

Manual Integrations
 APPROVED

Sohil
 4/3/2018 2:28:20 PM

Quant Time: Apr 03 08:24:02 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 02 13:40:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	86594	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	351369	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	143911	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	224139	20.00	ng	0.00
75) Chrysene-d12	14.16	240	180275	20.00	ng	0.01
86) Perylene-d12	15.70	264	139226	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	404900	74.57	ng	0.00
7) Phenol-d6	6.60	99	560082	83.84	ng	0.00
23) Nitrobenzene-d5	7.53	82	351744	61.22	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	101806	63.53	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	621969	68.15	ng	0.00
78) Terphenyl-d14	13.08	244	458520	58.73	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.26	128	85794	4.998	ng	98
48) Acenaphthylene	9.86	152	114664	7.768	ng	99
49) Dimethylphthalate	9.70	163	54573	4.803	ng	98
70) Phenanthrene	11.52	178	276621	22.795	ng	97
71) Anthracene	11.57	178	224634	17.722	ng	98
74) Fluoranthene	12.73	202	1440780	111.696	ng	98
77) Pyrene	12.96	202	1246303	96.171	ng	99
80) Benzo(a)anthracene	14.15	228	889078	78.818	ng	96
82) Chrysene	14.19	228	602144	54.501	ng	98
85) Indeno(1,2,3-cd)pyrene	17.30	276	237051	20.705	ng	# 87
87) Benzo(b)fluoranthene	15.25	252	703986m	83.084	ng	
88) Benzo(k)fluoranthene	15.27	252	227255m	28.472	ng	
89) Benzo(a)pyrene	15.64	252	488296	62.187	ng	98
90) Dibenzo(a,h)anthracene	17.30	278	54215m	7.468	ng	
91) Benzo(a,h,i)perylene	17.79	276	198731	27.330	ng	96

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

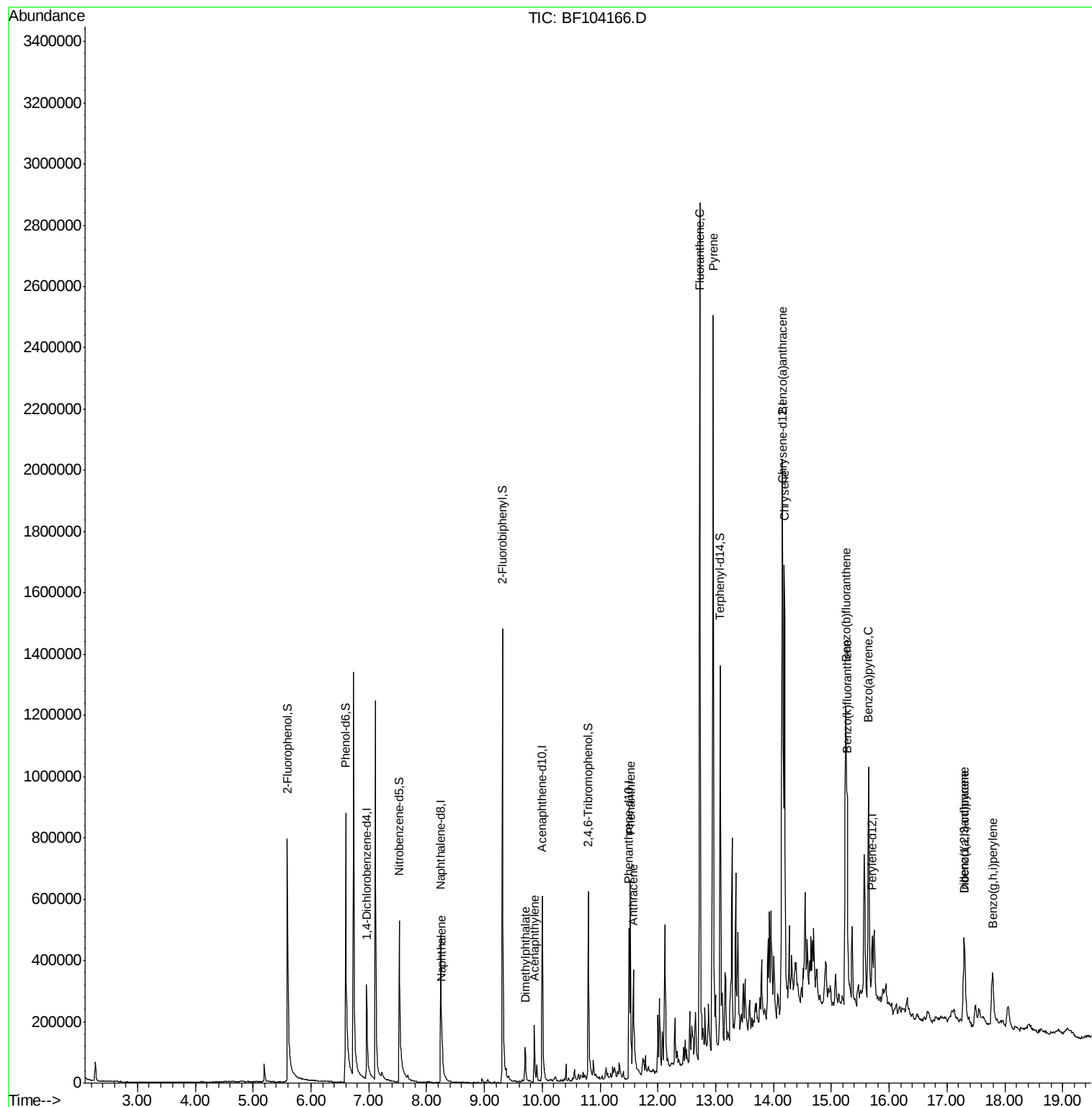
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF040218\
Data File : BF104166.D
Acq On : 3 Apr 2018 7:28
Operator : JU/SJ
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Instrument :
BNA_F
ClientSampleId :
A2 SB52 W 8

Manual Integrations
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Quant Time: Apr 03 08:24:02 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

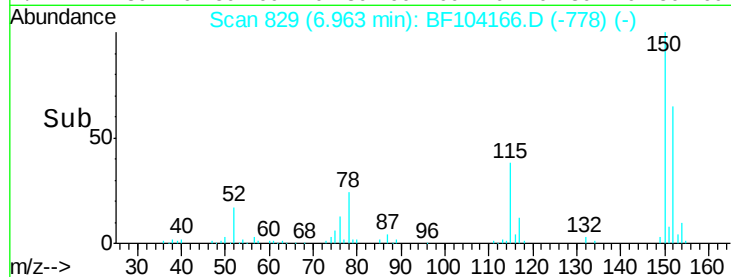
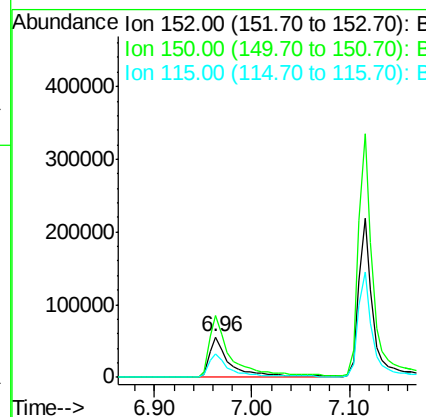
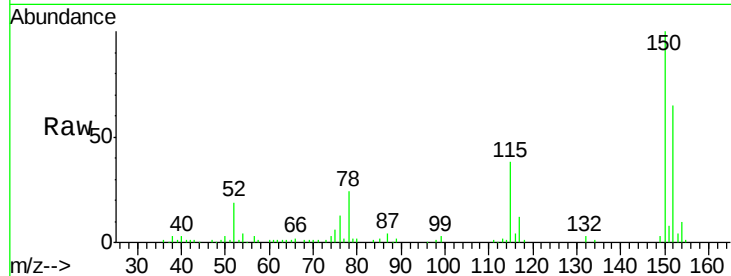
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 829
 Delta R.T. -0.00 min
 Lab File: BF104166.D
 Acq: 3 Apr 2018 7:28

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB52_W_8

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.6	186.8
115	58.5	50.1	75.1

Manual Integrations
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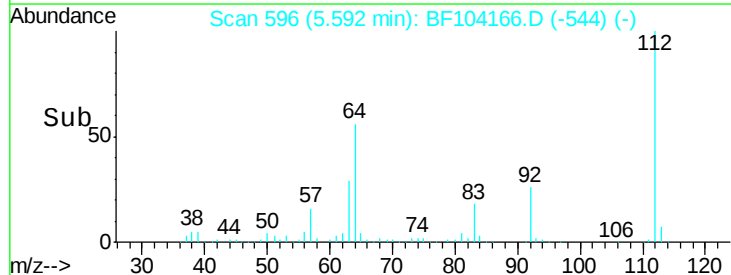
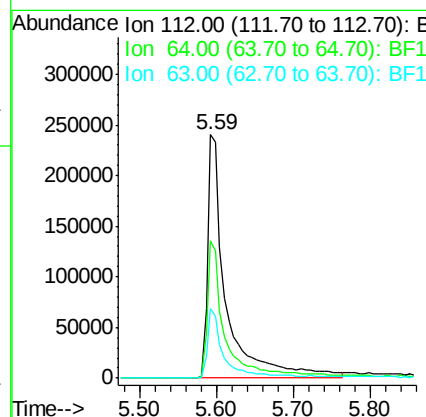
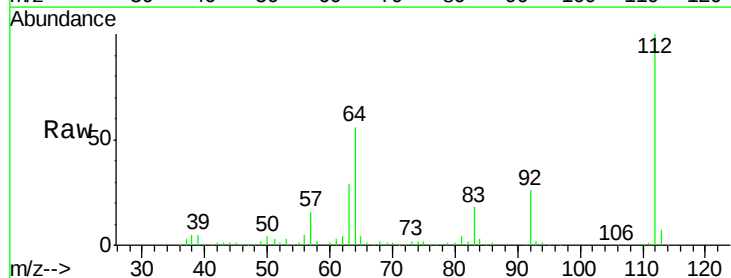
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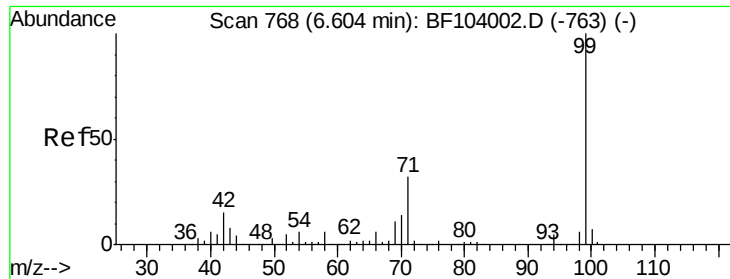


#5

2-Fluorophenol
 Concen: 74.568 ng
 RT: 5.59 min Scan# 596
 Delta R.T. 0.01 min
 Lab File: BF104166.D
 Acq: 3 Apr 2018 7:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	47.9	71.9
63	28.6	23.7	35.5





#7

Phenol-d6

Concen: 83.839 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF104166.D

Acq: 3 Apr 2018 7:28

Instrument :

BNA_F

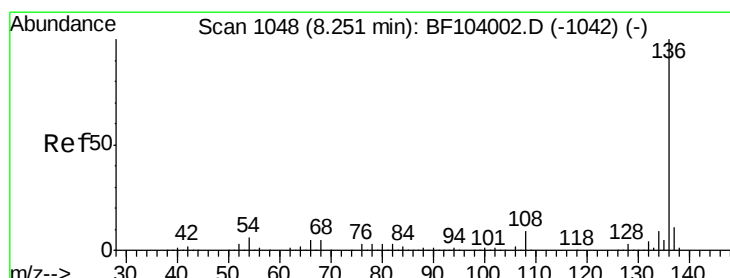
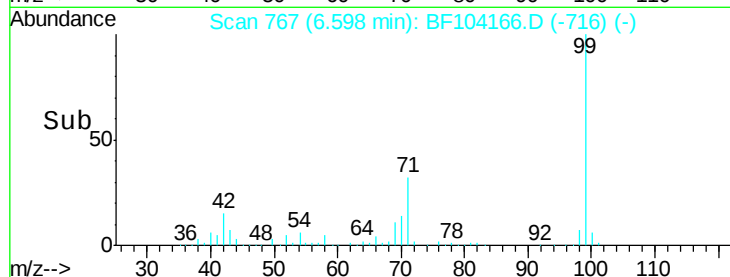
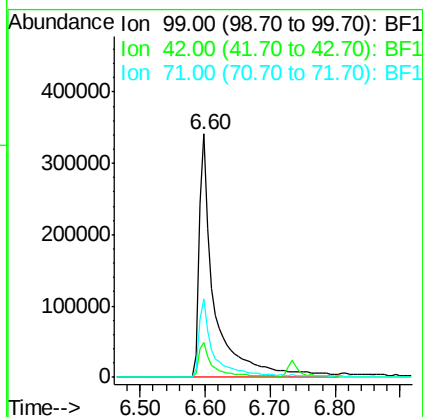
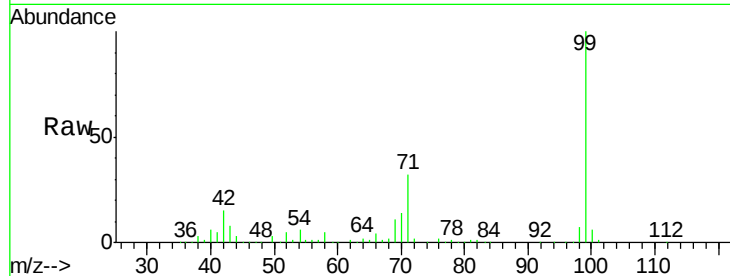
ClientSampleId :

A2_SB52_W_8

Tot Ion:	99	Resp:	560082
Ion Ratio	Lower	Upper	
99	100		
42	14.6	14.5	21.7
71	32.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

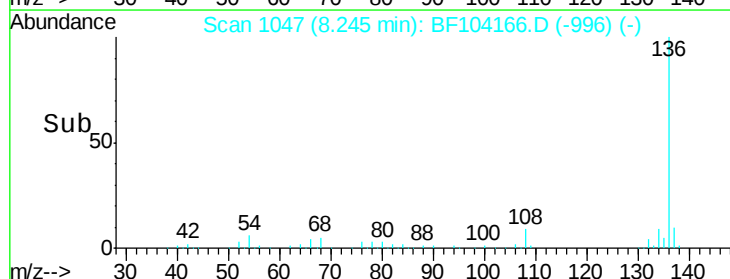
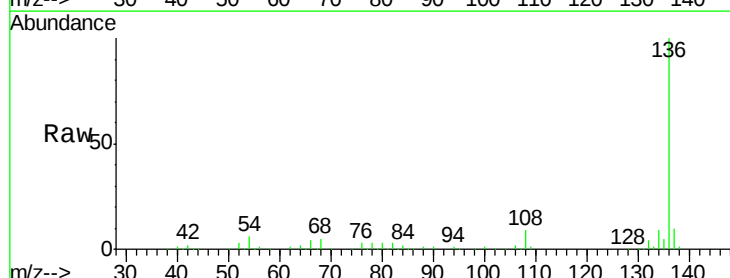
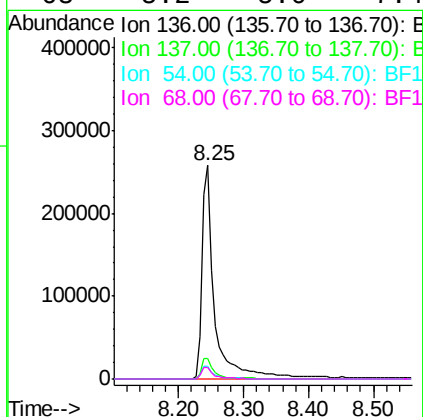
RT: 8.25 min Scan# 1047

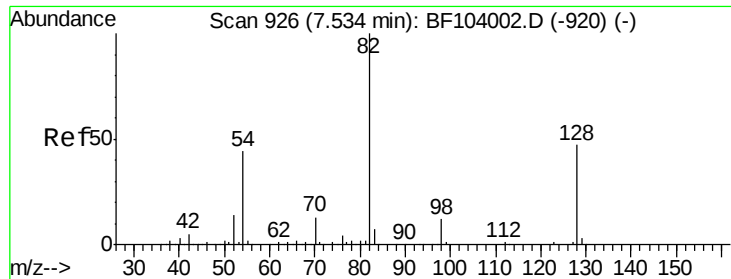
Delta R.T. -0.00 min

Lab File: BF104166.D

Acq: 3 Apr 2018 7:28

Tgt Ion:	136	Resp:	351369
Ion Ratio	Lower	Upper	
136	100		
137	9.8	8.9	13.3
54	6.1	6.6	9.8
68	5.2	5.0	7.4





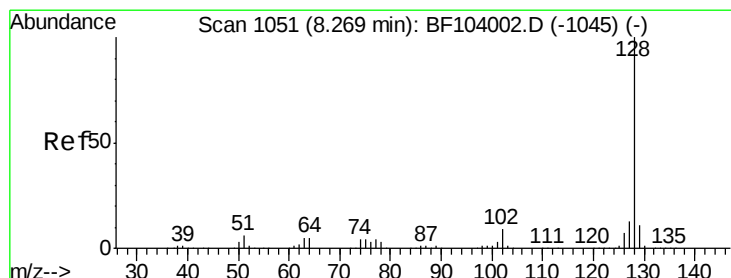
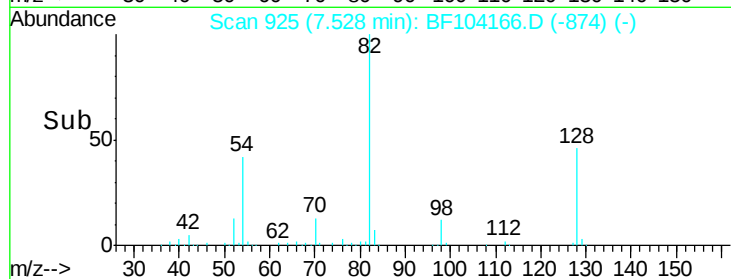
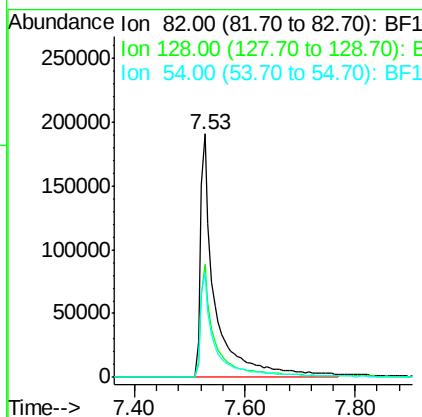
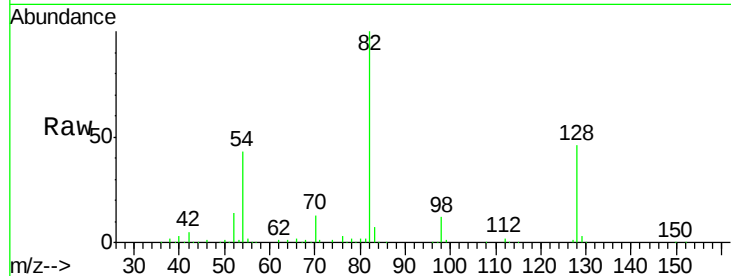
#23
Nitrobenzene-d5
Concen: 61.221 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.00 min
Lab File: BF104166.D
Acq: 3 Apr 2018 7:28

Instrument :
BNA_F
ClientSampleId :
A2_SB52_W_8

Tot Ion	82	Resp	351744
Ion Ratio	Lower	Upper	
82	100		
128	46.4	36.1	54.1
54	42.6	41.4	62.2

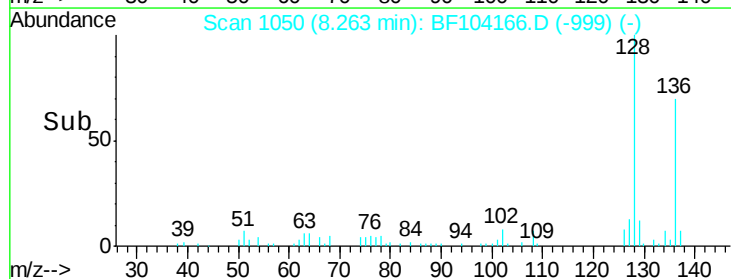
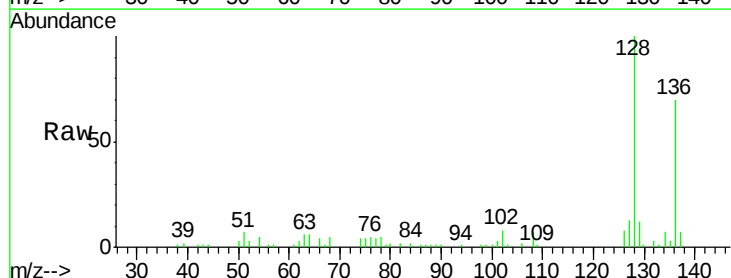
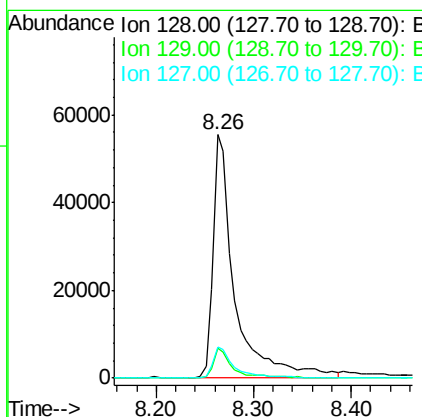
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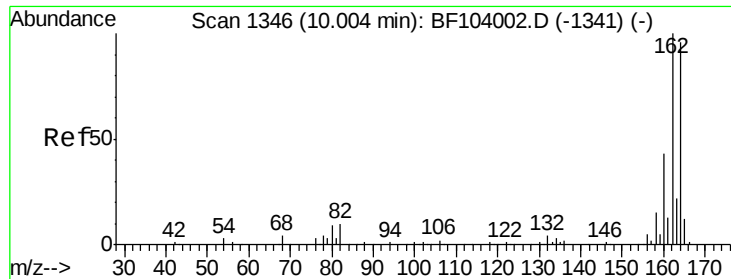
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#31
Naphthalene
Concen: 4.998 ng
RT: 8.26 min Scan# 1050
Delta R.T. -0.00 min
Lab File: BF104166.D
Acq: 3 Apr 2018 7:28

Tgt Ion	128	Resp	85794
Ion Ratio	Lower	Upper	
128	100		
129	12.1	8.8	13.2
127	12.8	10.9	16.3





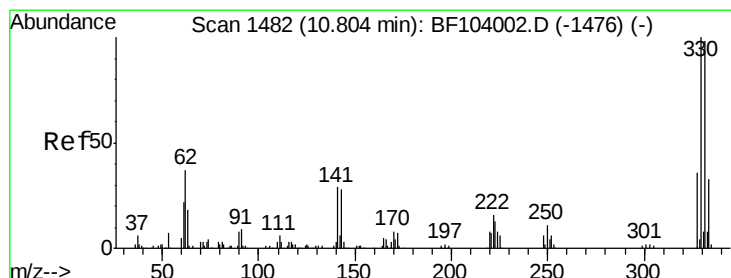
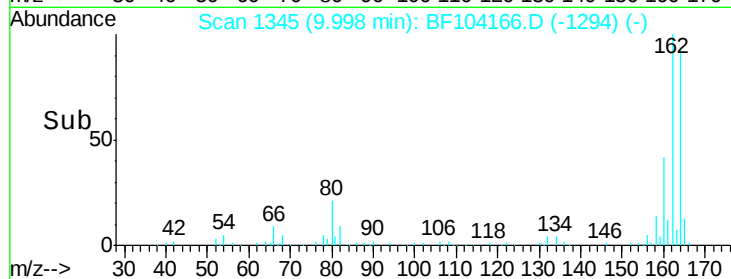
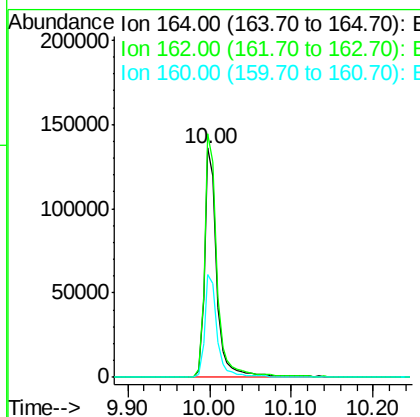
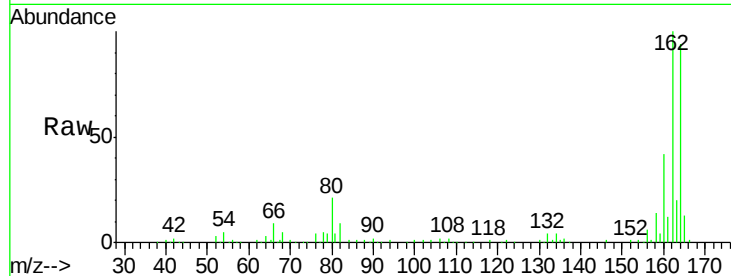
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.00 min
Lab File: BF104166.D
Acq: 3 Apr 2018 7:28

Instrument :
BNA_F
ClientSampleId :
A2_SB52_W_8

Tot Ion	Ratio	Resp	Lower	Upper
164	100	143911		
162	106.2	86.1	129.1	
160	44.9	38.3	57.5	

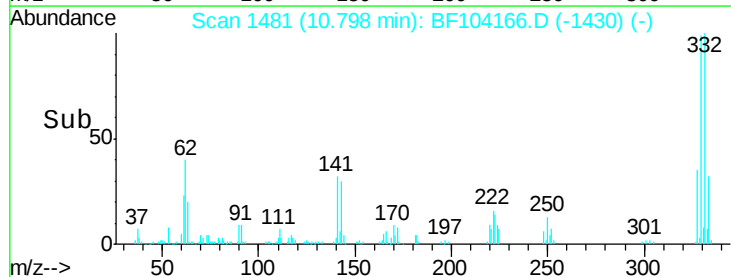
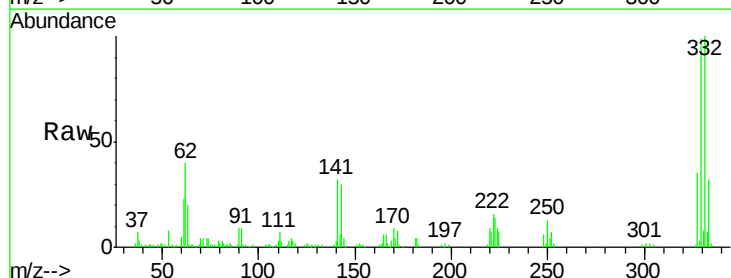
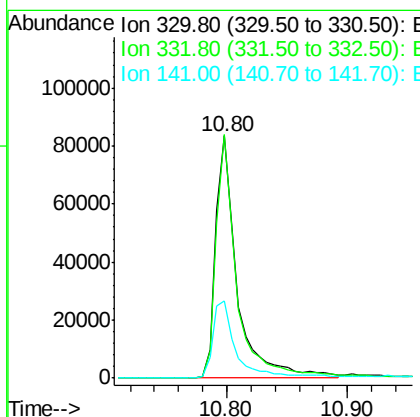
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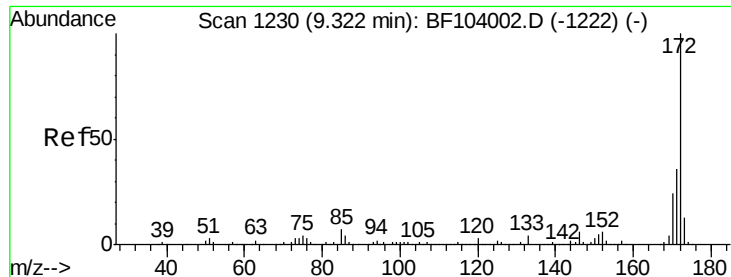
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#41
2,4,6-Tribromophenol
Concen: 63.531 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.00 min
Lab File: BF104166.D
Acq: 3 Apr 2018 7:28

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	101806		
332	99.2	77.0	115.6	
141	33.2	29.9	44.9	





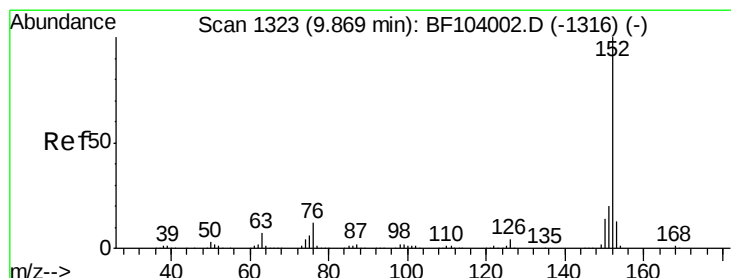
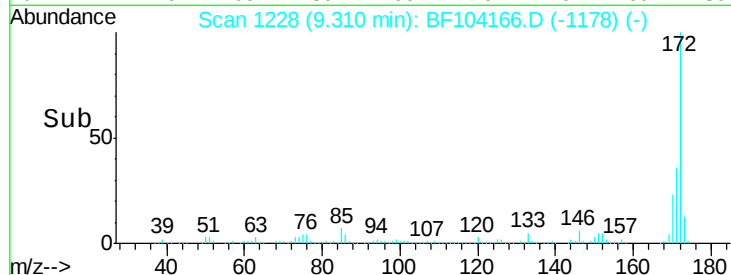
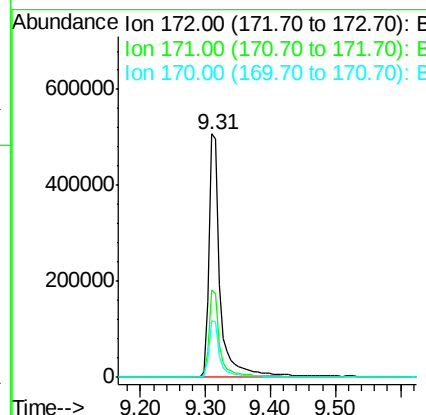
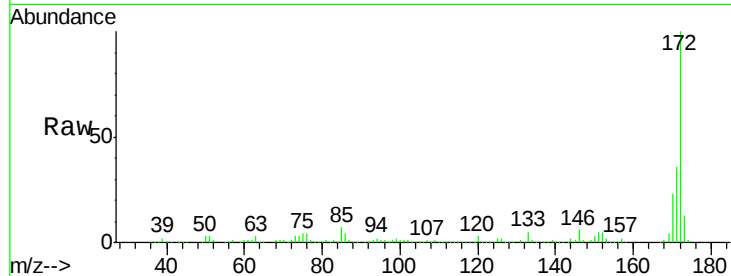
#44
2-Fluorobiphenyl
Concen: 68.153 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF104166.D
Acq: 3 Apr 2018 7:28

Instrument :
BNA_F
ClientSampleId :
A2_SB52_W_8

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.2	19.6	29.4

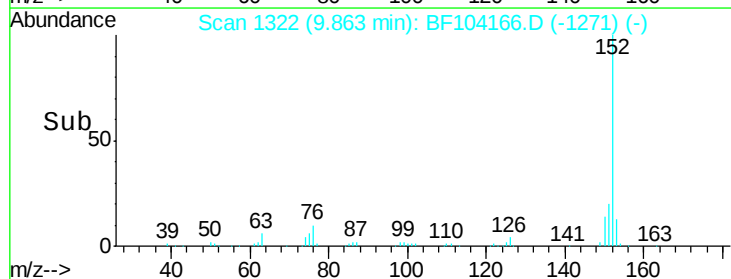
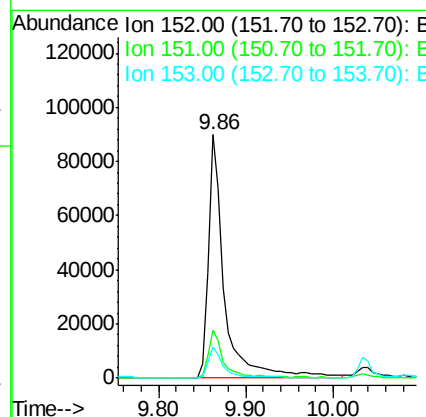
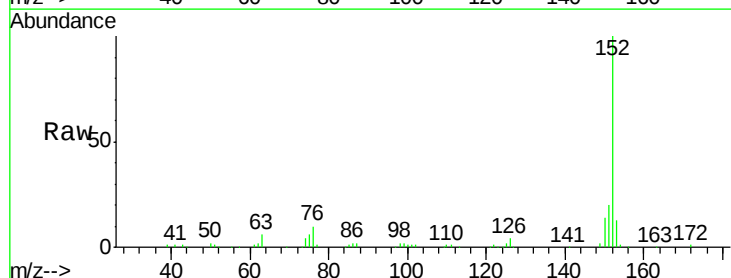
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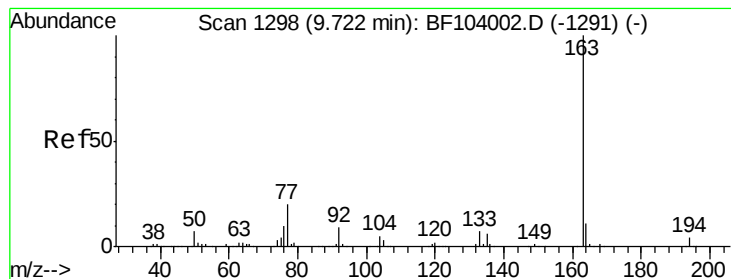
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#48
Acenaphthylene
Concen: 7.768 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BF104166.D
Acq: 3 Apr 2018 7:28

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.3	24.5
153	13.0	10.7	16.1





#49

Dimethylphthalate

Concen: 4.803 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF104166.D

Acq: 3 Apr 2018 7:28

Instrument :

BNA_F

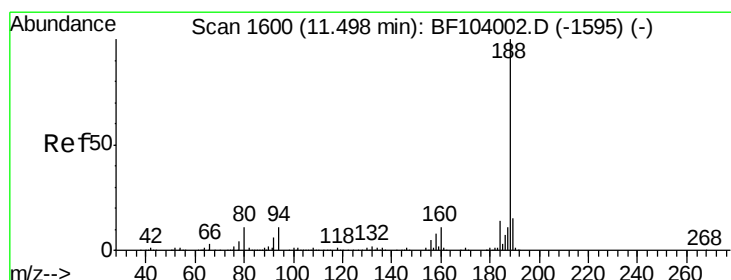
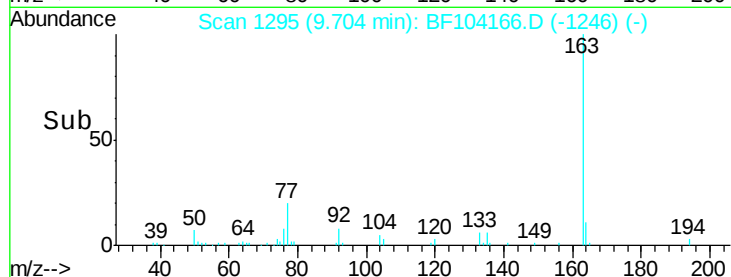
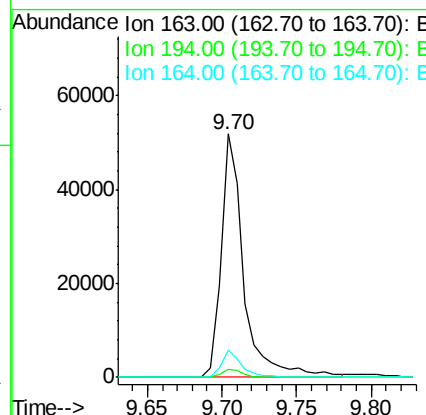
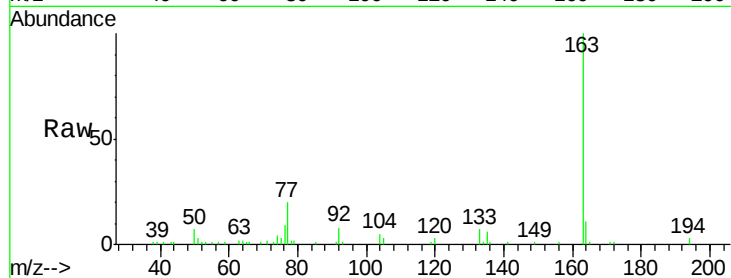
ClientSampleId :

A2_SB52_W_8

Tot Ion:	163	Resp:	54573
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.7	4.1
164	11.1	8.2	12.2

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

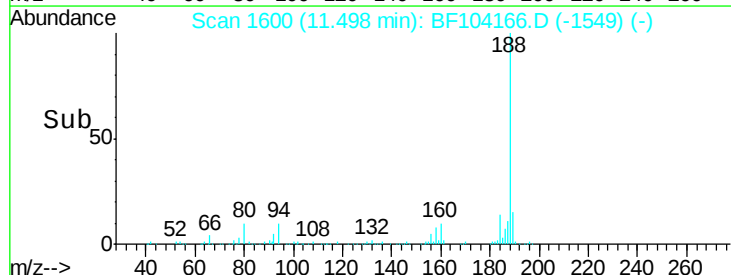
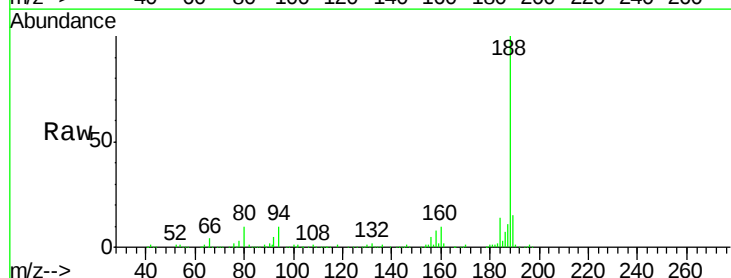
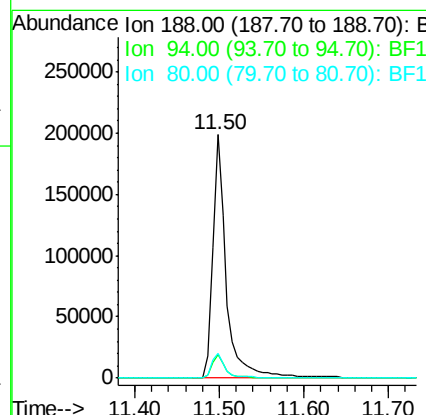
RT: 11.50 min Scan# 1600

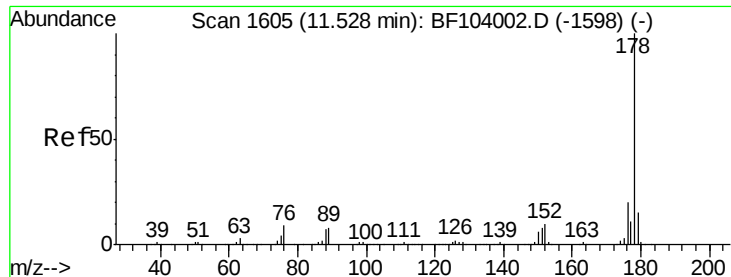
Delta R.T. -0.00 min

Lab File: BF104166.D

Acq: 3 Apr 2018 7:28

Tgt Ion:	188	Resp:	224139
Ion Ratio	Lower	Upper	
188	100		
94	9.8	8.5	12.7
80	10.2	9.2	13.8





#70

Phenanthrene

Concen: 22.795 ng

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: BF104166.D

Acq: 3 Apr 2018 7:28

Instrument :

BNA_F

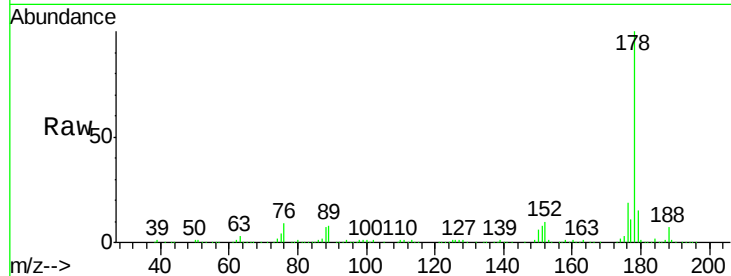
ClientSampleId :

A2_SB52_W_8

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	15.1	13.0	19.6

Manual Integrations
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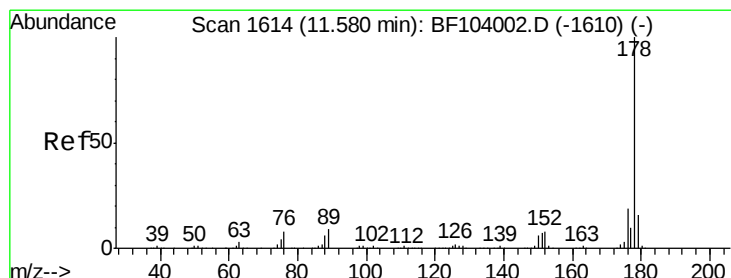
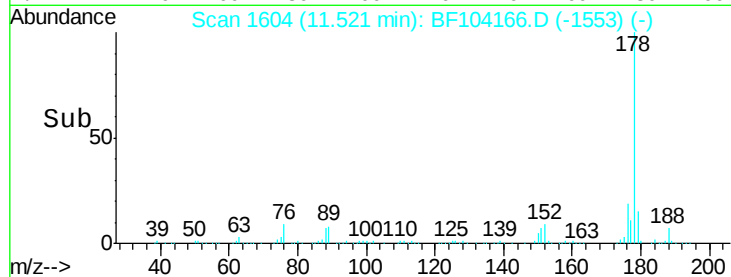
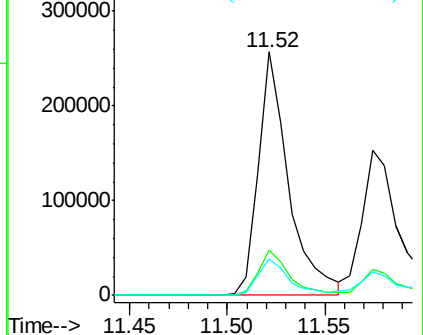
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 17.722 ng

RT: 11.57 min Scan# 1613

Delta R.T. -0.00 min

Lab File: BF104166.D

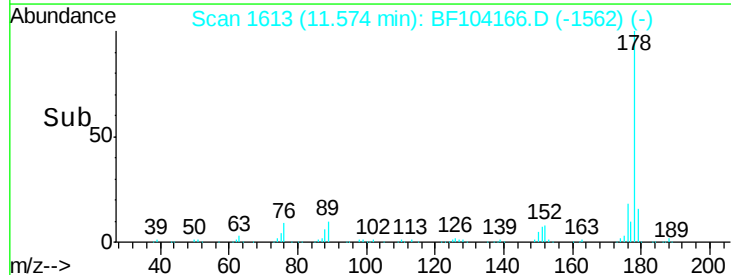
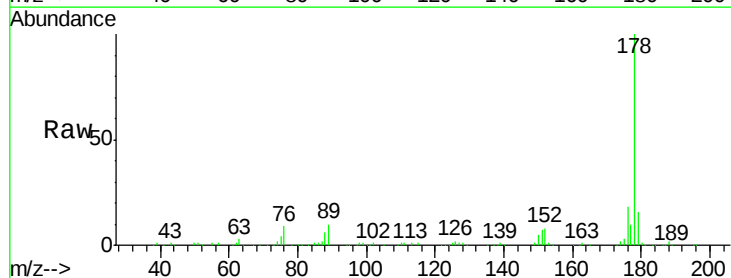
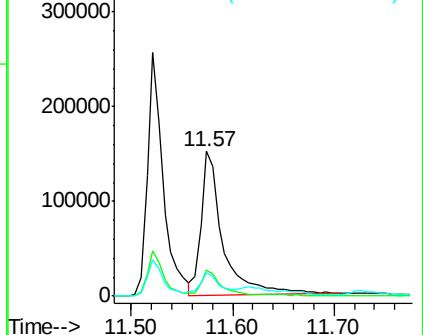
Acq: 3 Apr 2018 7:28

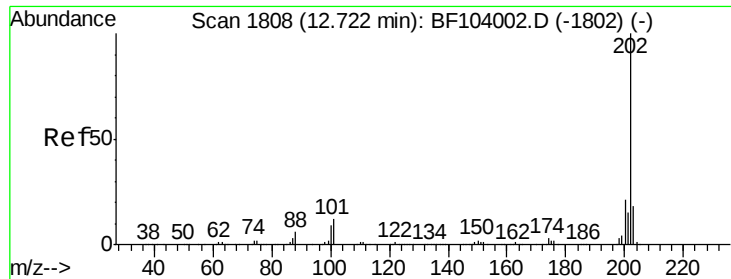
Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.4	23.2
179	15.8	12.6	19.0

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 111.696 ng

RT: 12.73 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BF104166.D

Acq: 3 Apr 2018 7:28

Instrument :

BNA_F

ClientSampleId :

A2_SB52_W_8

Tot Ion:202 Resp: 1440780

Ion Ratio Lower Upper

202 100

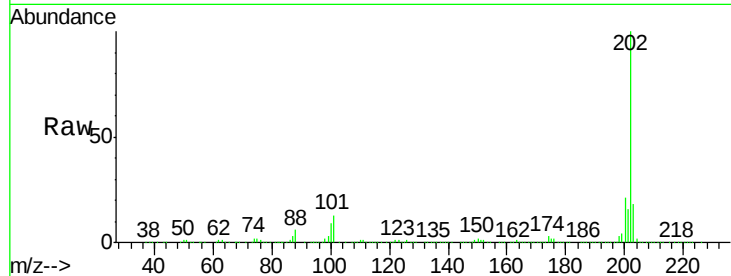
101 12.6 0.0 34.1

203 17.7 0.0 38.1

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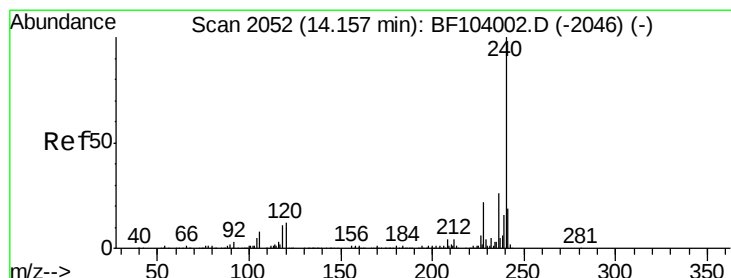
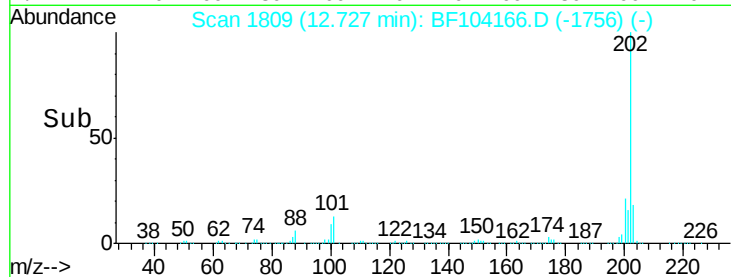
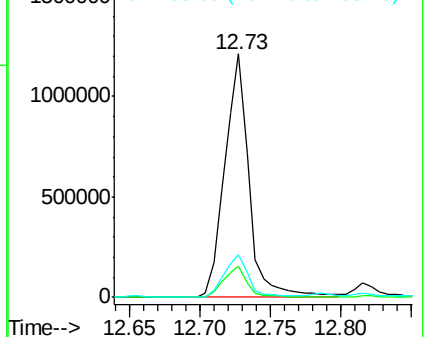
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2053

Delta R.T. 0.01 min

Lab File: BF104166.D

Acq: 3 Apr 2018 7:28

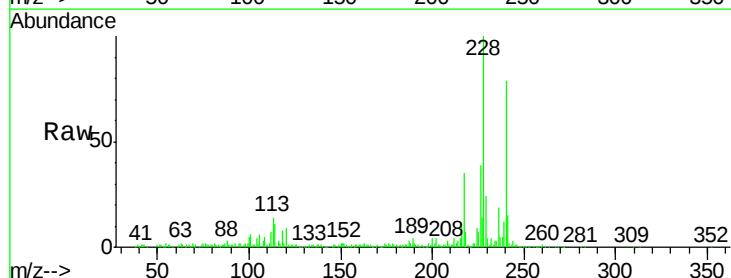
Tgt Ion:240 Resp: 180275

Ion Ratio Lower Upper

240 100

120 11.9 9.5 14.3

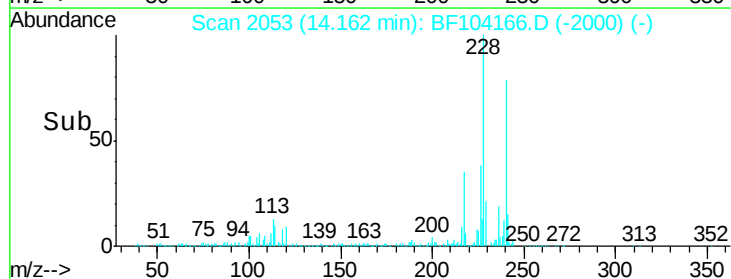
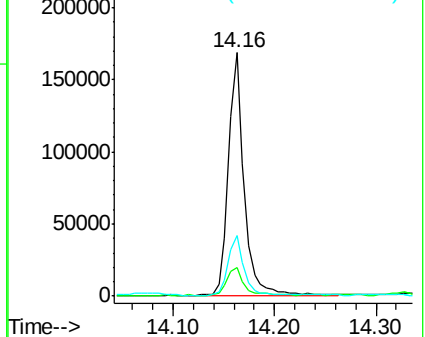
236 24.7 20.7 31.1

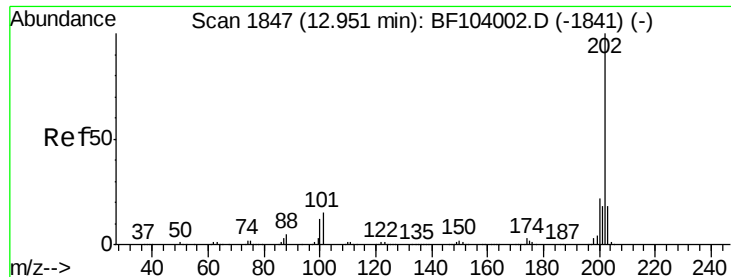


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





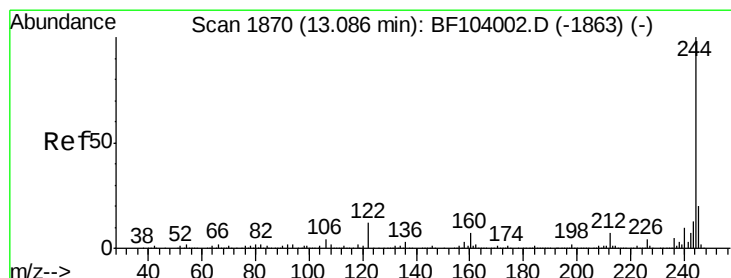
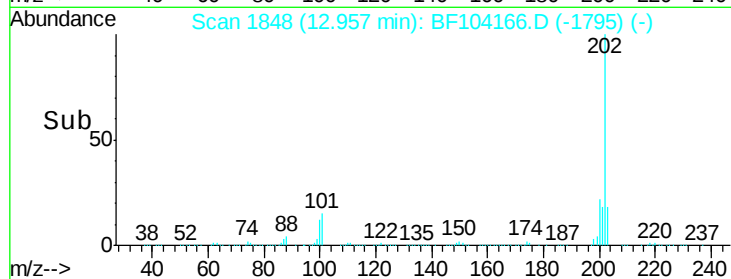
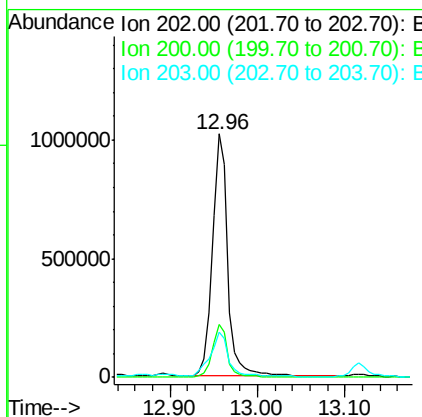
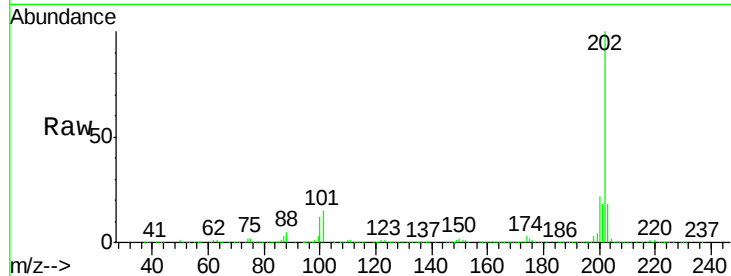
#77
Pvrene
Concen: 96.171 ng
RT: 12.96 min Scan# 1848
Delta R.T. 0.01 min
Lab File: BF104166.D
Acq: 3 Apr 2018 7:28

Instrument :
BNA_F
ClientSampleId :
A2_SB52_W_8

Tot Ion:202 Resp: 1246303
Ion Ratio Lower Upper
202 100
200 21.9 17.4 26.2
203 18.4 14.3 21.5

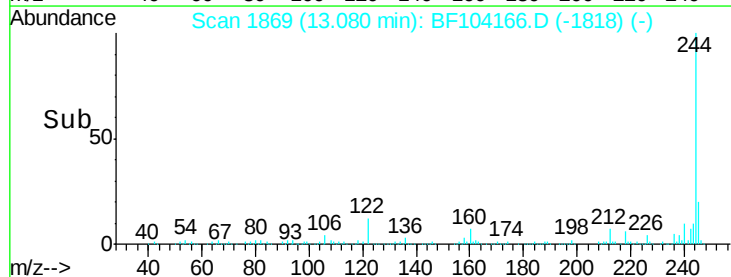
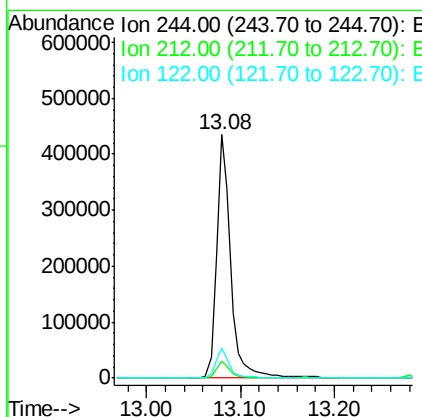
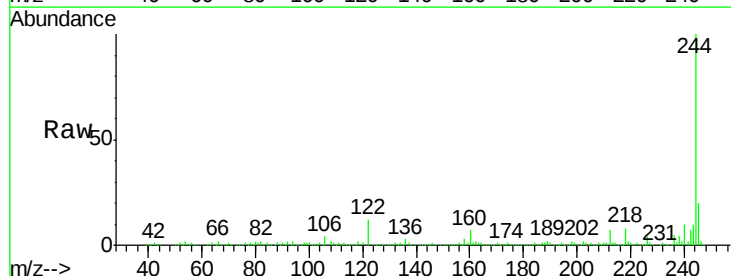
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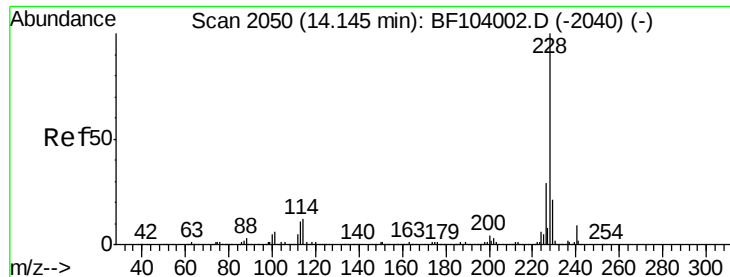
Sohil
4/3/2018 2:28:20 PM



#78
Terphenyl-d14
Concen: 58.727 ng
RT: 13.08 min Scan# 1869
Delta R.T. -0.00 min
Lab File: BF104166.D
Acq: 3 Apr 2018 7:28

Tgt Ion:244 Resp: 458520
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 12.4 11.0 16.4





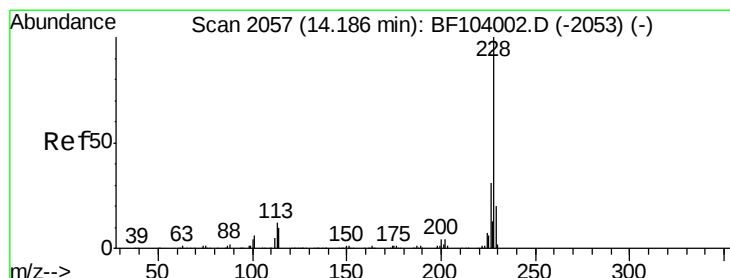
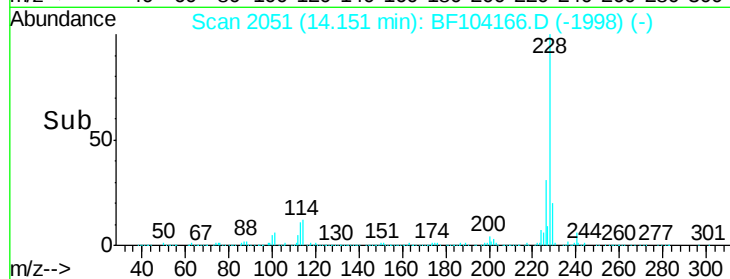
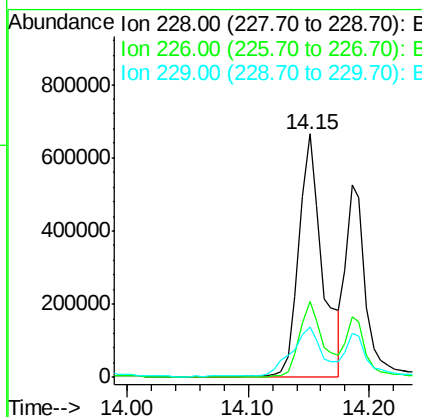
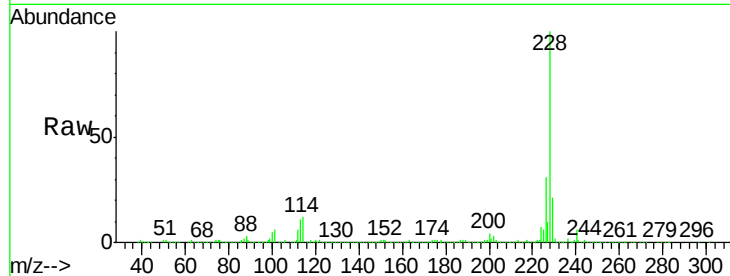
#80
Benzo(a)anthracene
Concen: 78.818 ng
RT: 14.15 min Scan# 2051
Delta R.T. 0.01 min
Lab File: BF104166.D
Acq: 3 Apr 2018 7:28

Instrument :
BNA_F
ClientSampleId :
A2_SB52_W_8

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	22.6	33.8
229	20.7	15.8	23.6

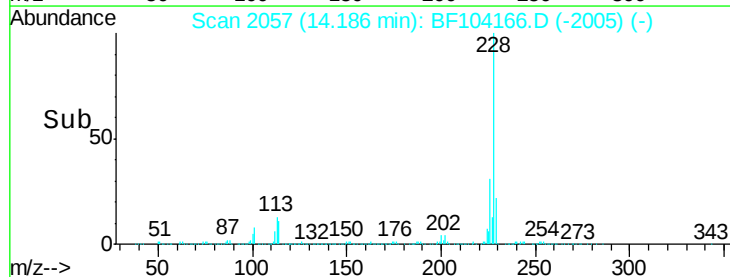
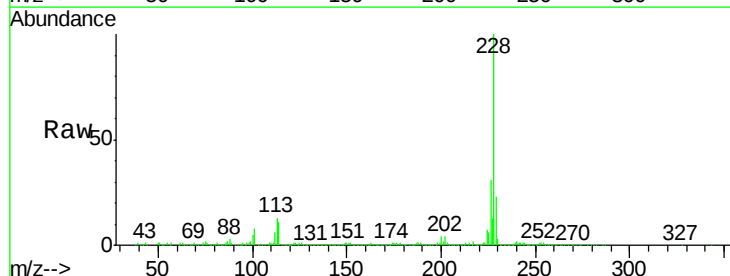
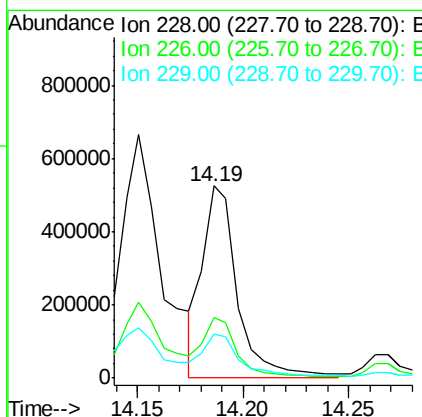
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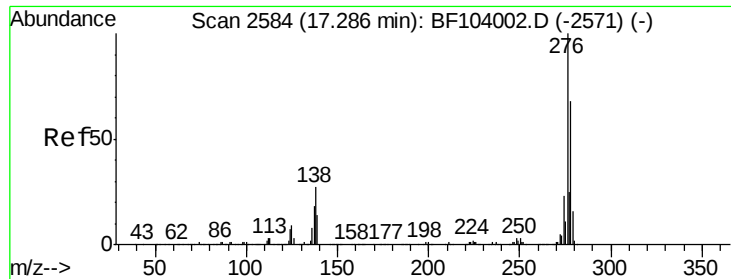
Sohil
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#82
Chrysene
Concen: 54.501 ng
RT: 14.19 min Scan# 2057
Delta R.T. 0.01 min
Lab File: BF104166.D
Acq: 3 Apr 2018 7:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	22.9	16.2	24.4





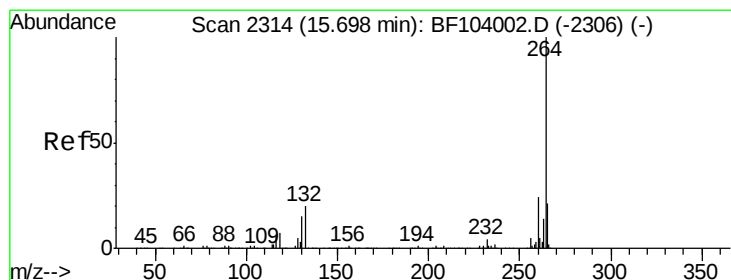
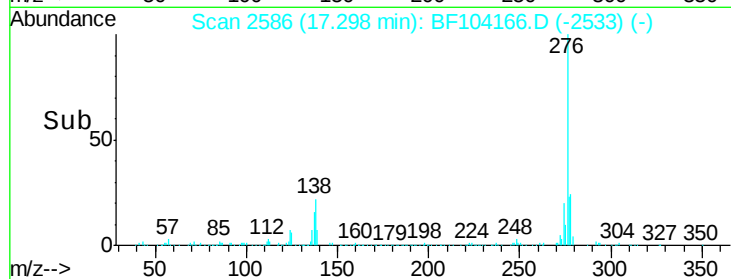
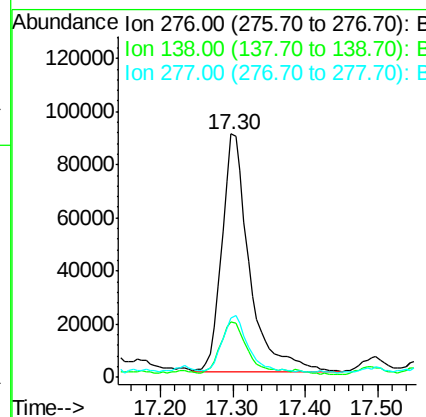
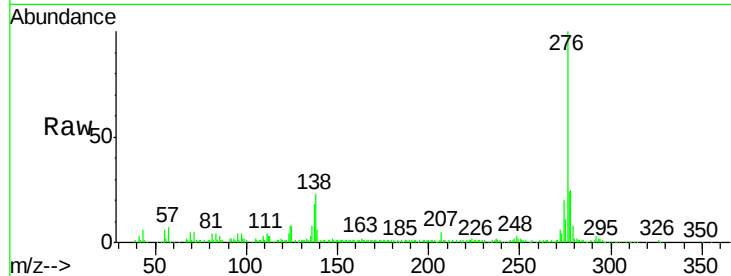
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 20.705 ng
 RT: 17.30 min Scan# 2586
 Delta R.T. 0.01 min
 Lab File: BF104166.D
 Acq: 3 Apr 2018 7:28

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB52_W_8

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.6	25.0	37.6#
277	23.0	20.1	30.1

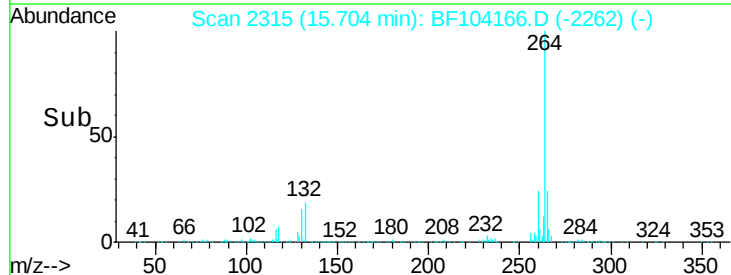
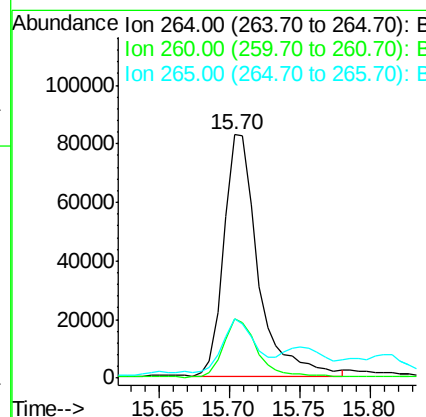
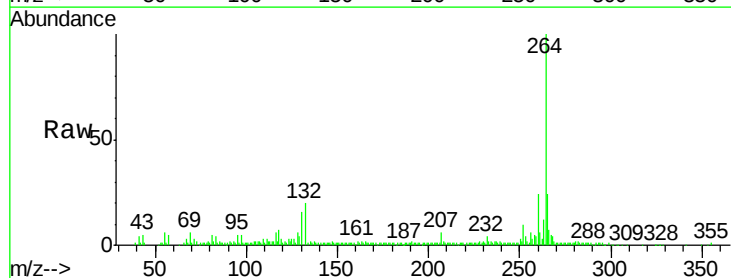
Manual Integrations
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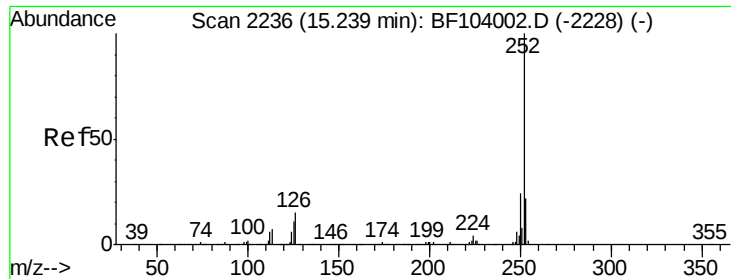
Sohil
 4/3/2018 2:28:20 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2315
 Delta R.T. 0.01 min
 Lab File: BF104166.D
 Acq: 3 Apr 2018 7:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	24.4	17.5	26.3





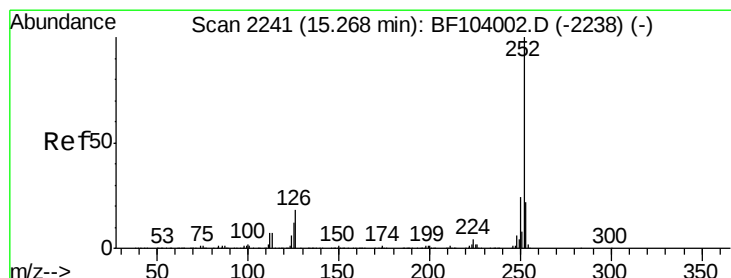
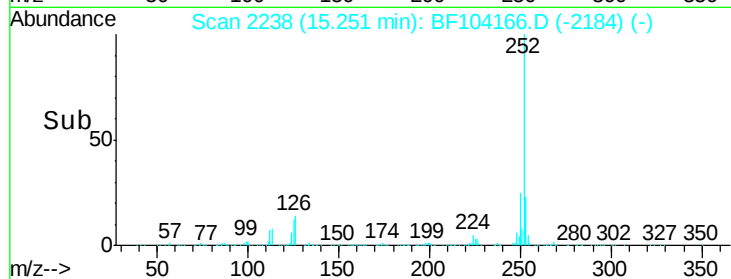
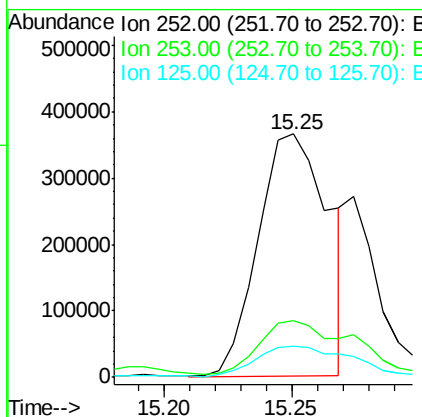
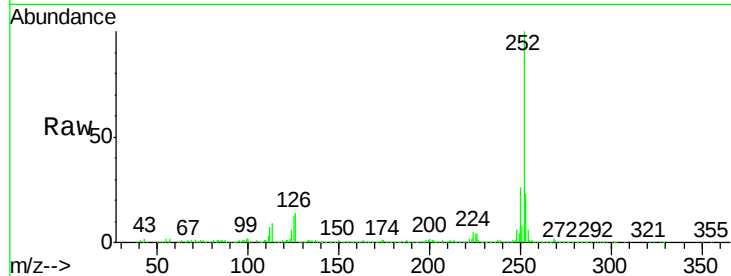
#87
Benzo(b)fluoranthene
Concen: 83.084 ng m
RT: 15.25 min Scan# 2238
Delta R.T. 0.02 min
Lab File: BF104166.D
Acq: 3 Apr 2018 7:28

Instrument :
BNA_F
ClientSampleId :
A2_SB52_W_8

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	12.8	9.0	13.6

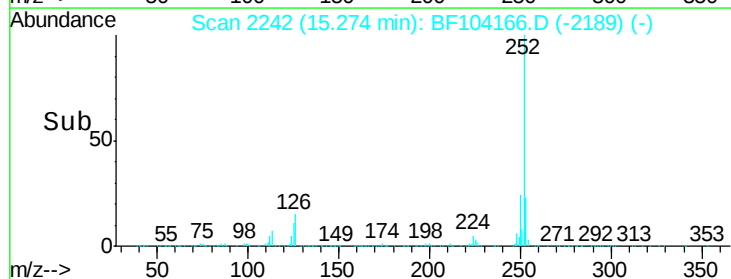
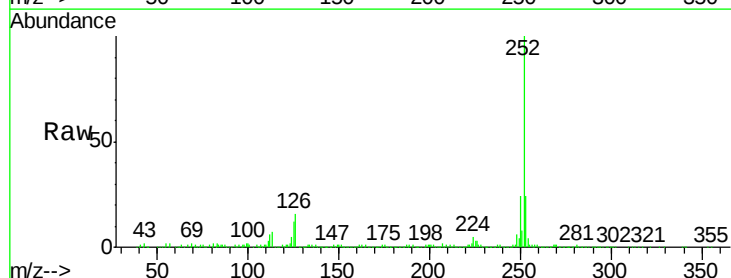
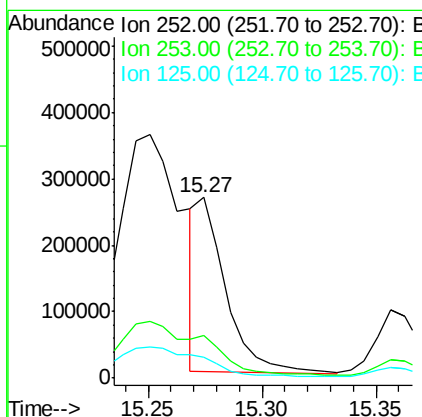
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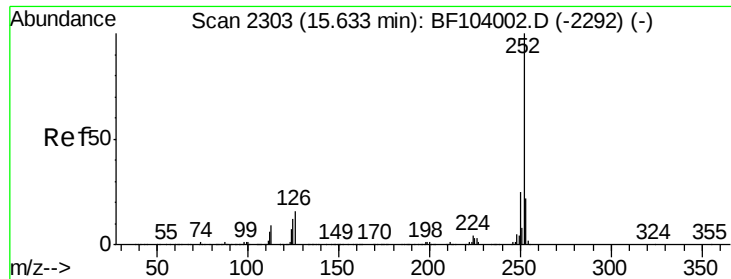
Sohil
4/3/2018 2:28:20 PM



#88
Benzo(k)fluoranthene
Concen: 28.472 ng m
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF104166.D
Acq: 3 Apr 2018 7:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	11.8	10.2	15.2





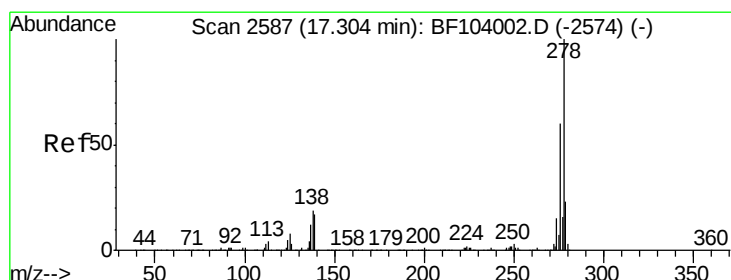
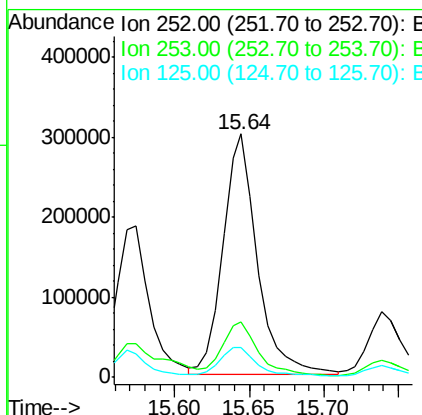
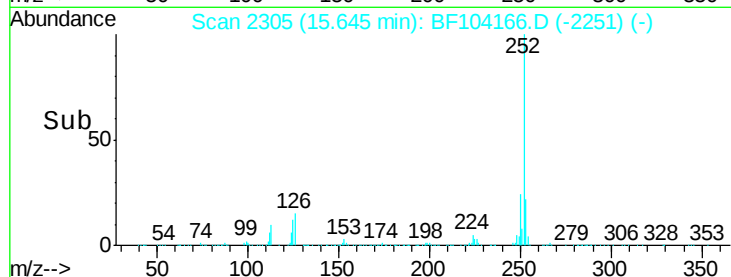
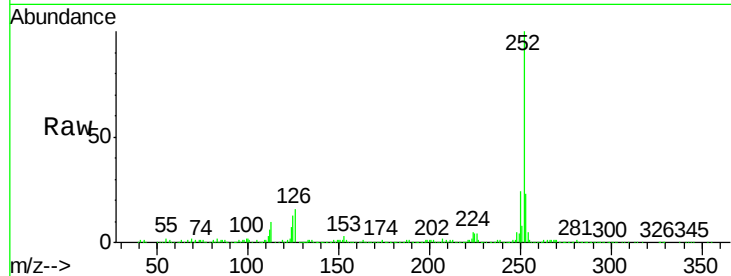
#89
Benzo(a)pyrene
Concen: 62.187 ng
RT: 15.64 min Scan# 2305
Delta R.T. 0.02 min
Lab File: BF104166.D
Acq: 3 Apr 2018 7:28

Instrument :
BNA_F
ClientSampleId :
A2_SB52_W_8

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	12.5	9.8	14.6

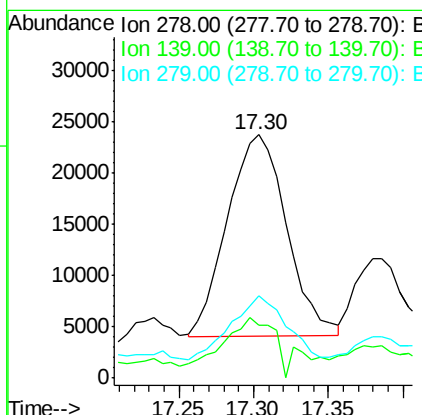
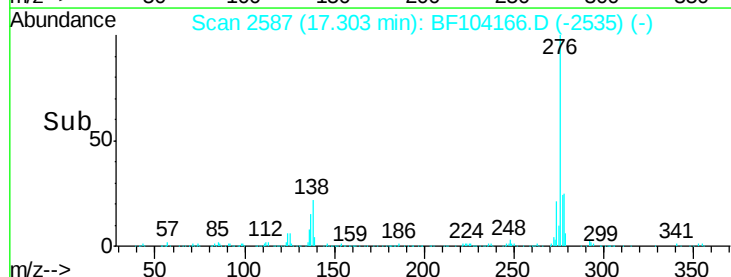
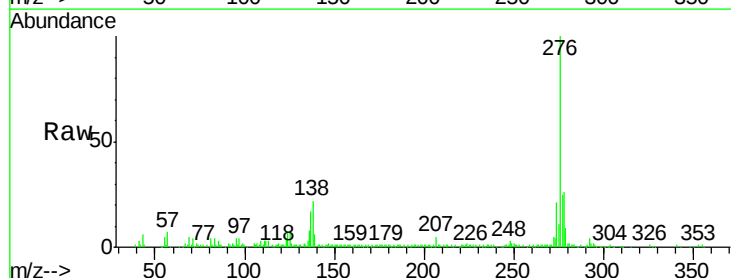
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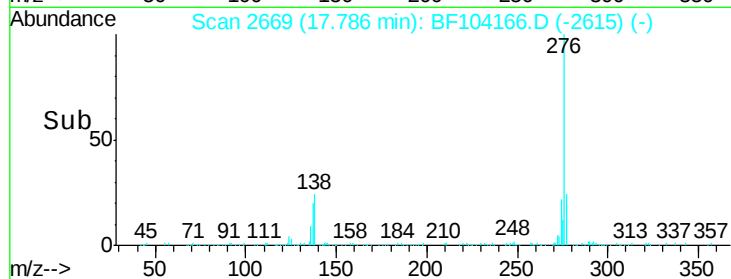
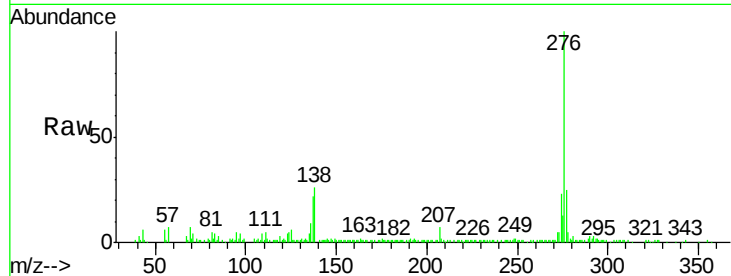
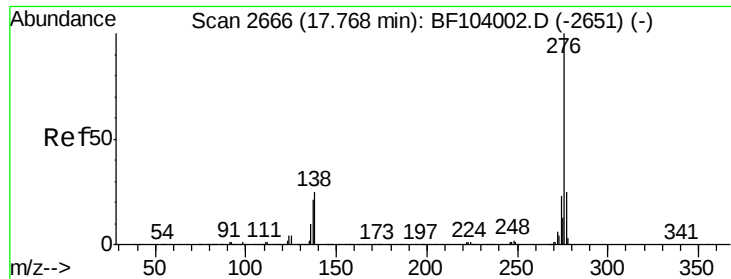
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 7.468 ng m
RT: 17.30 min Scan# 2587
Delta R.T. 0.01 min
Lab File: BF104166.D
Acq: 3 Apr 2018 7:28

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.6	15.9	23.9
279	33.8	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 27.330 ng
 RT: 17.79 min Scan# 2669
 Delta R.T. 0.02 min
 Lab File: BF104166.D
 Acq: 3 Apr 2018 7:28

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB52_W_8

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	17.9	26.9
138	26.2	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 4/3/2018 2:28:20 PM

