

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\
 Data File : BF104325.D
 Acq On : 7 Apr 2018 00:08
 Operator : JU/SJ
 Sample : J2248-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 12000

Manual Integrations
 APPROVED

Sohil
 4/9/2018 11:18:42 AM

Quant Time: Apr 07 02:03:36 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 06 16:44:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	149793	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	589140	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	252490	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	362179	20.00	ng	0.00
75) Chrysene-d12	13.97	240	296803	20.00	ng	0.00
86) Perylene-d12	15.43	264	268930	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	908572	92.75	ng	0.01
7) Phenol-d6	6.43	99	1122245	93.24	ng	0.00
23) Nitrobenzene-d5	7.37	82	650431	72.09	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	217142	82.91	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1144455	71.60	ng	0.00
78) Terphenyl-d14	12.92	244	793971	60.99	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.44	94	31212	2.444	ng	79
49) Dimethylphthalate	9.56	163	91270	4.584	ng	98
51) Acenaphthene	9.87	154	41616	2.595	ng	97
54) Dibenzofuran	10.05	168	52485	2.348	ng	97
57) Fluorene	10.39	166	58475	3.594	ng	97
70) Phenanthrene	11.35	178	416823	20.666	ng	98
71) Anthracene	11.40	178	74334	3.626	ng	98
74) Fluoranthene	12.55	202	618504	29.350	ng	98
77) Pyrene	12.77	202	490651	22.302	ng	98
80) Benzo(a)anthracene	13.96	228	206577m	11.650	ng	
82) Chrysene	14.00	228	217792m	11.958	ng	
85) Indeno(1,2,3-cd)pyrene	16.86	276	48339	3.124	ng	# 93
87) Benzo(b)fluoranthene	15.01	252	203138m	11.960	ng	
88) Benzo(k)fluoranthene	15.03	252	67992m	4.240	ng	
89) Benzo(a)pyrene	15.37	252	113911	7.495	ng	96
91) Benzo(g,h,i)perylene	17.30	276	39098	3.233	ng	98

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

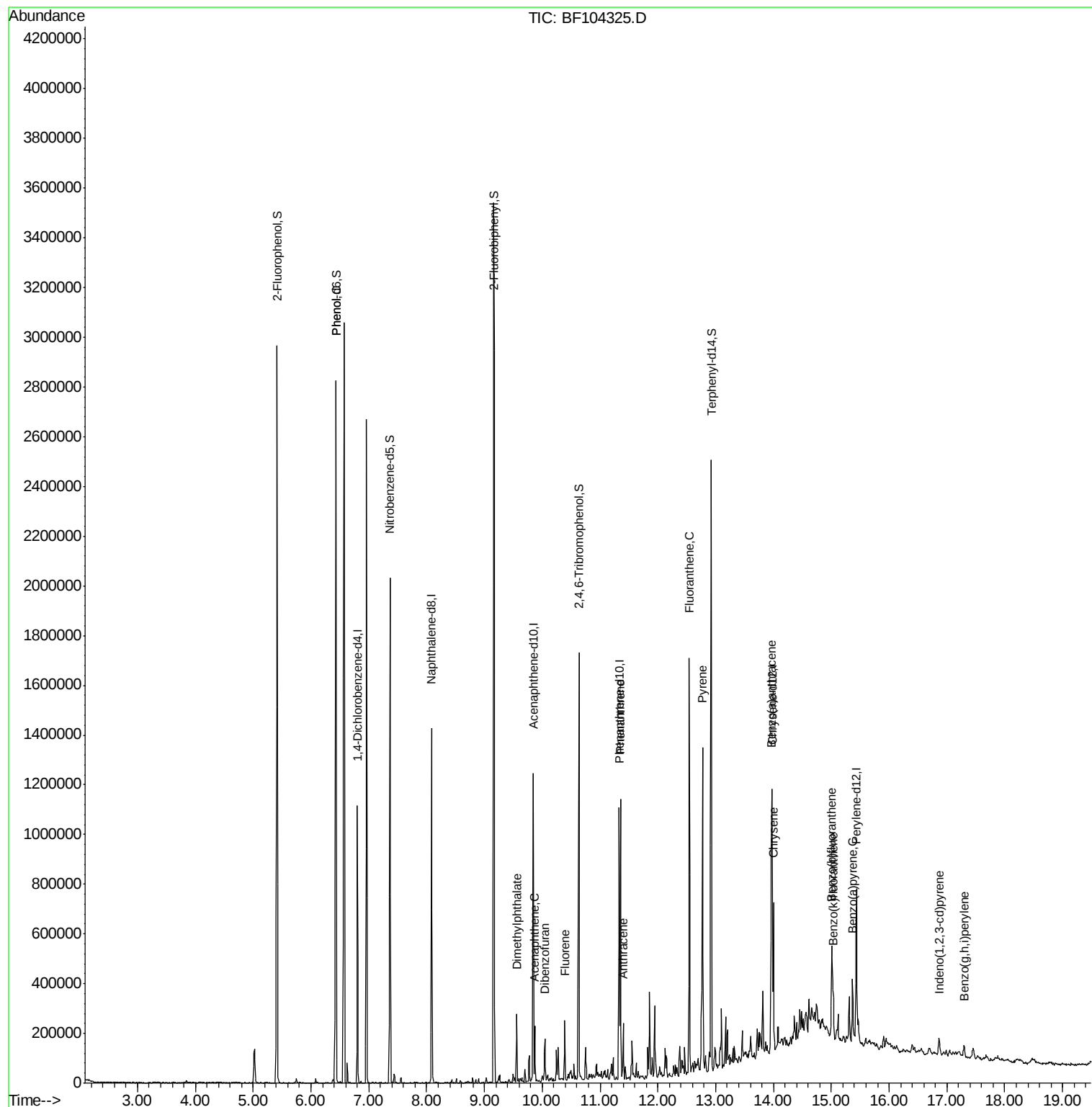
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\
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ALS Vial : 21 Sample Multiplier: 1

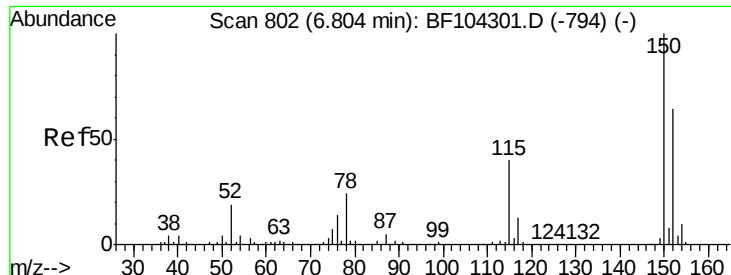
Instrument :
BNA_F
ClientSampleId :
12000

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Quant Time: Apr 07 02:03:36 2018
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#1

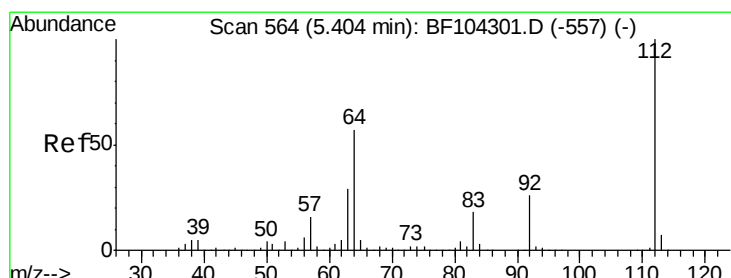
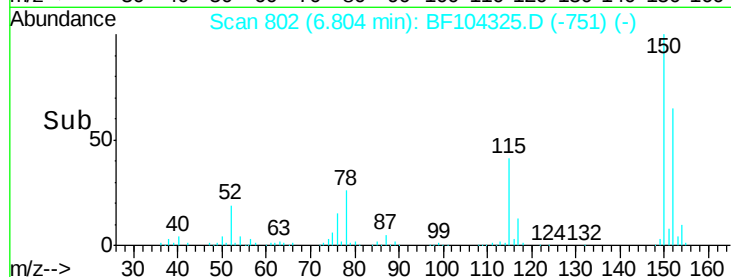
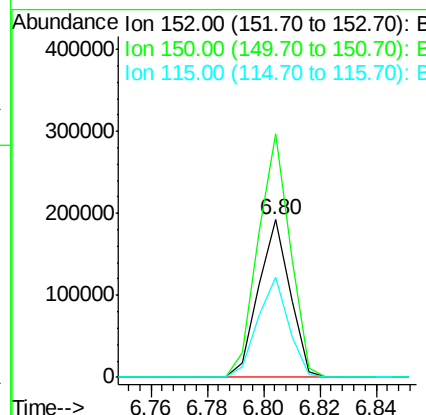
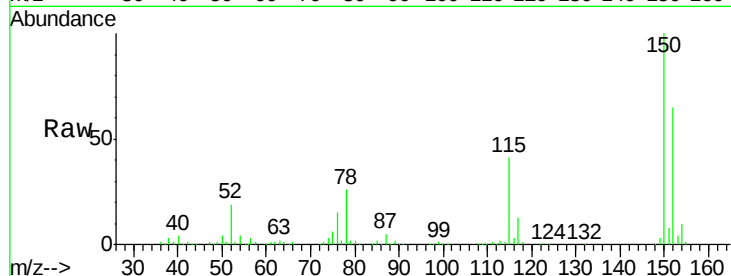
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104325.D
Acq: 7 Apr 2018 00:08

Instrument :
BNA_F
ClientSampled :
12000

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.6	186.8
115	64.0	50.1	75.1

Manual Integrations
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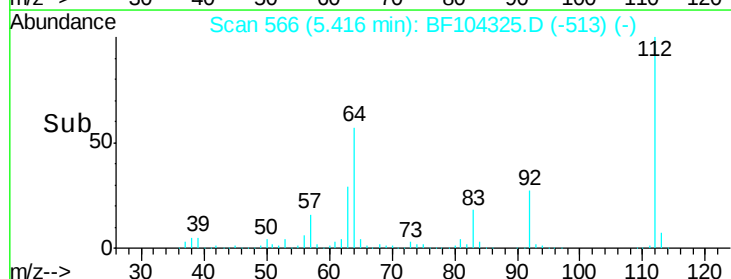
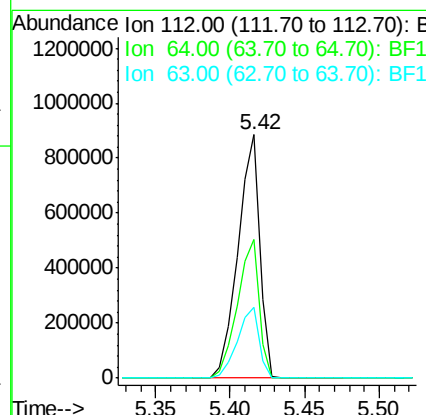
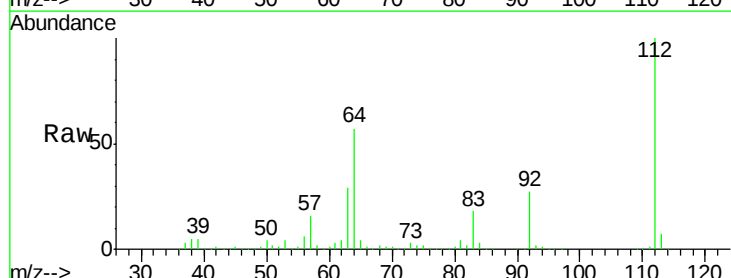
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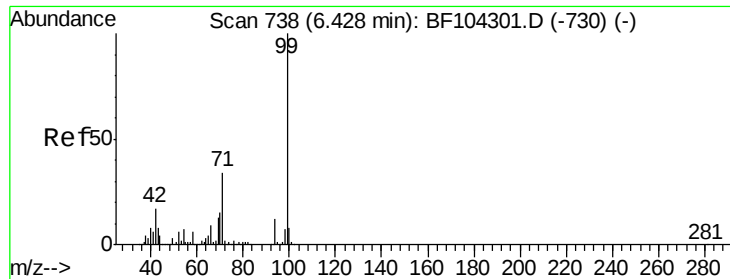


#5

2-Fluorophenol
Concen: 92.745 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF104325.D
Acq: 7 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	47.9	71.9
63	29.1	23.7	35.5





#7

Phenol-d6

Concen: 93.236 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.01 min

Lab File: BF104325.D

Acq: 7 Apr 2018 00:08

Instrument :

BNA_F

ClientSampled :

12000

Tot Ion: 99 Resp: 1122245

Ion Ratio Lower Upper

99 100

42 16.3 14.5 21.7

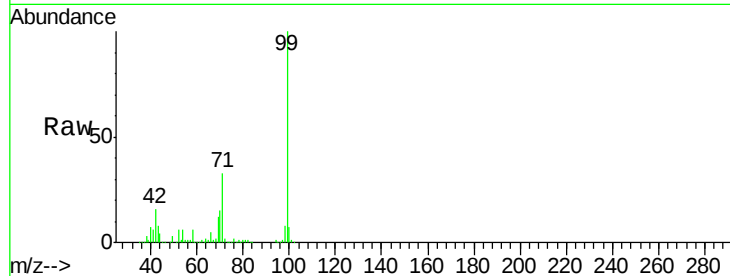
71 33.3 25.4 38.0

Manual Integrations

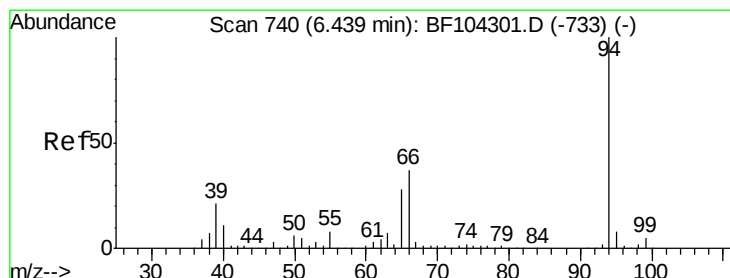
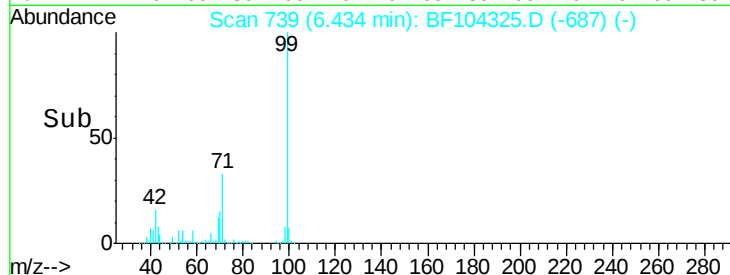
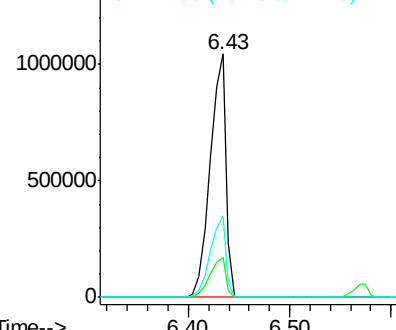
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.444 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF104325.D

Acq: 7 Apr 2018 00:08

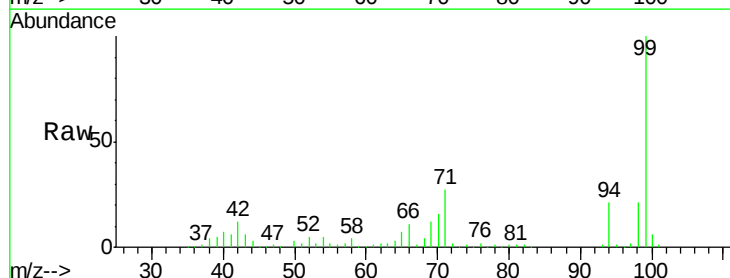
Tgt Ion: 94 Resp: 31212

Ion Ratio Lower Upper

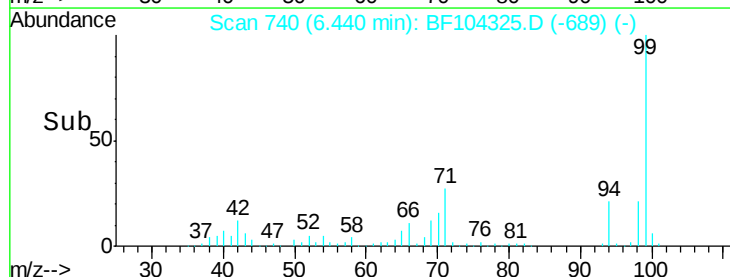
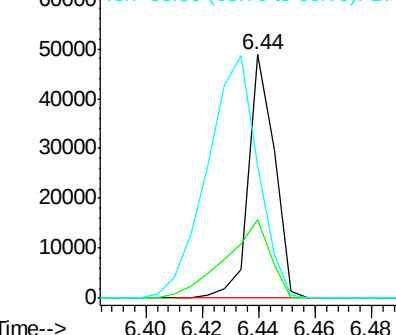
94 100

65 32.3 7.9 47.9

66 54.3 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BF104325.D

Acq: 7 Apr 2018 00:08

Instrument :

BNA_F

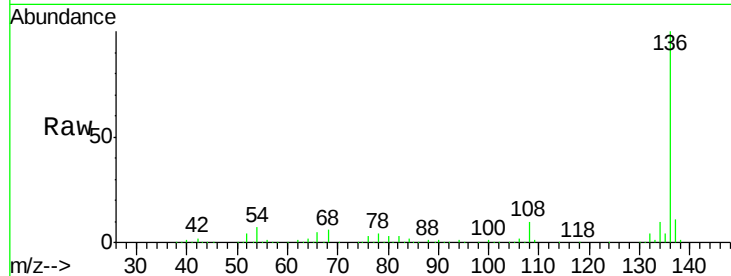
ClientSampleId :

12000

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		589140		
137	11.1		8.9	13.3	
54	7.2		6.6	9.8	
68	6.1		5.0	7.4	

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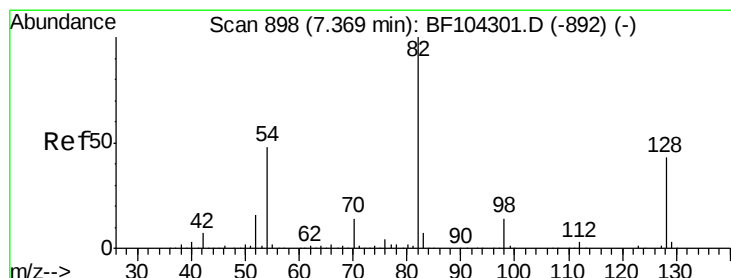
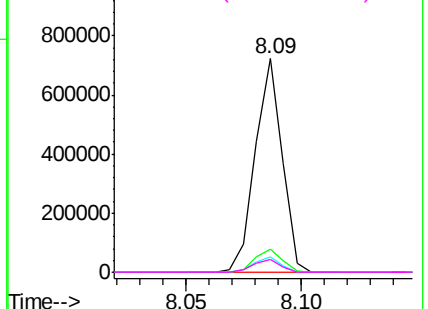
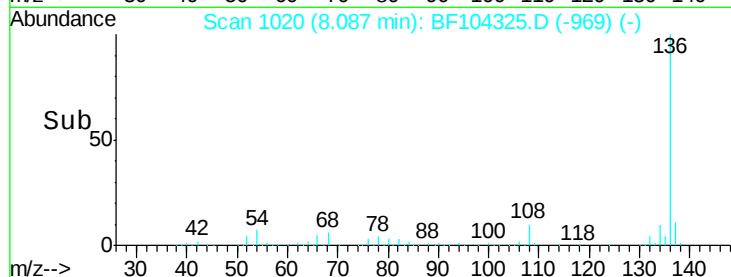


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.091 ng

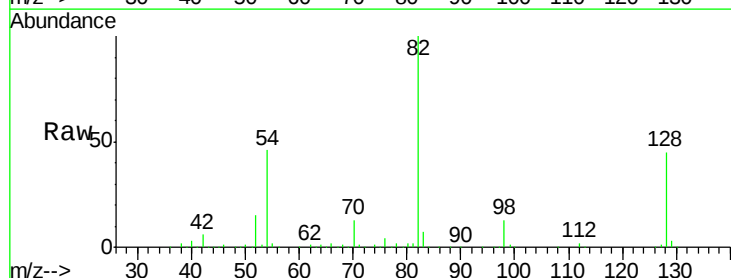
RT: 7.37 min Scan# 898

Delta R.T. 0.00 min

Lab File: BF104325.D

Acq: 7 Apr 2018 00:08

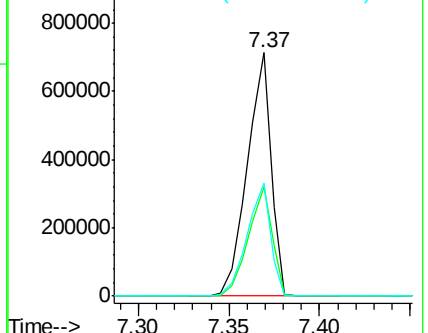
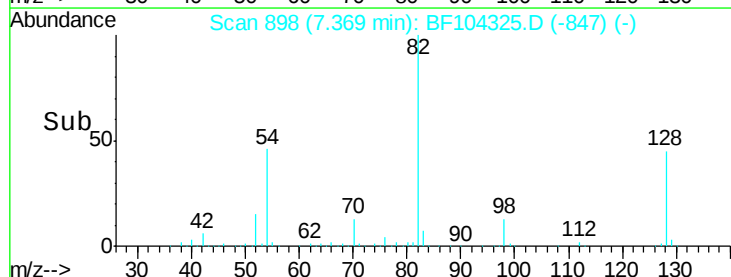
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		650431		
128	44.9		36.1	54.1	
54	46.4		41.4	62.2	



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





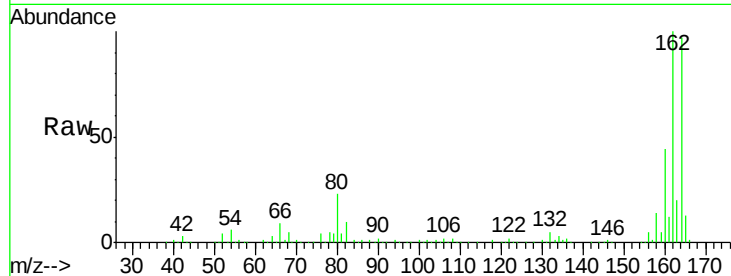
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104325.D
 Acq: 7 Apr 2018 00:08

Instrument :
 BNA_F
 ClientSampled :
 12000

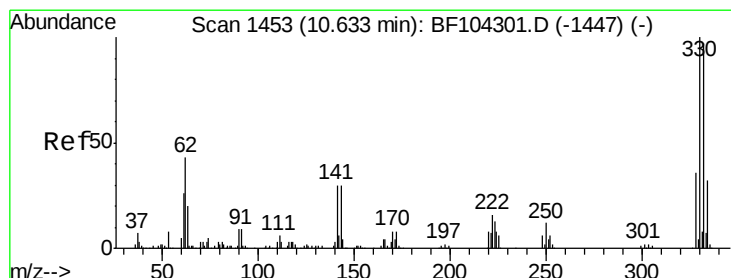
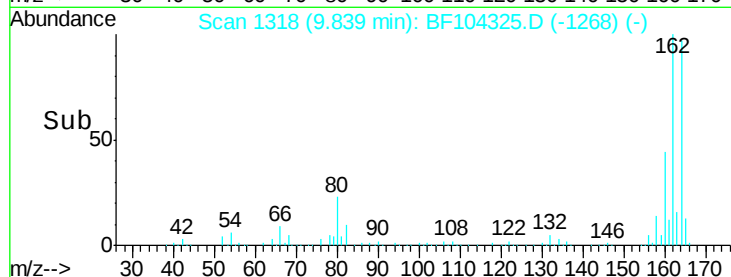
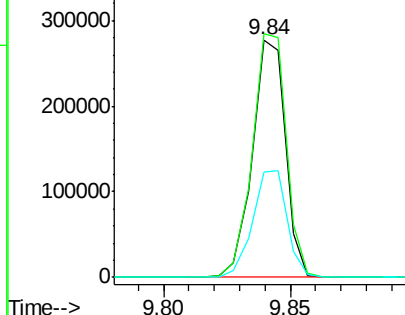
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.6	86.1	129.1	
160	44.7	38.3	57.5	

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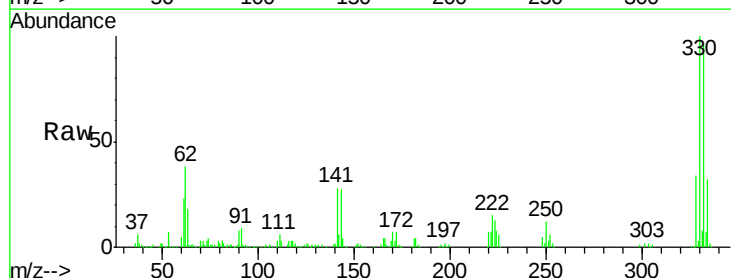


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

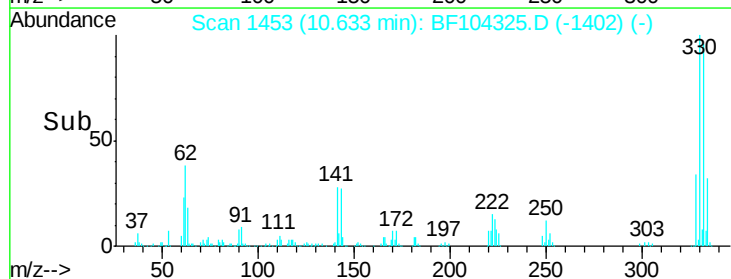
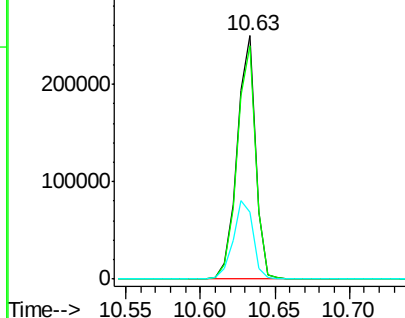


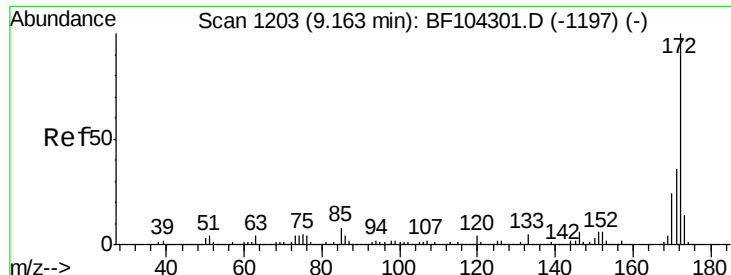
#41
 2,4,6-Tribromophenol
 Concen: 82.906 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF104325.D
 Acq: 7 Apr 2018 00:08

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.8	77.0	115.6	
141	35.3	29.9	44.9	



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E





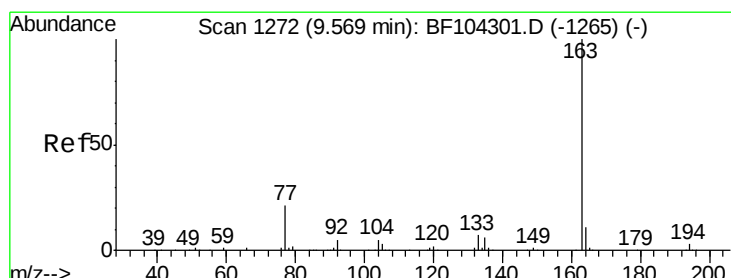
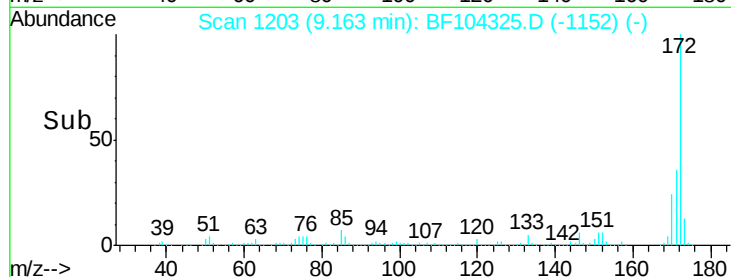
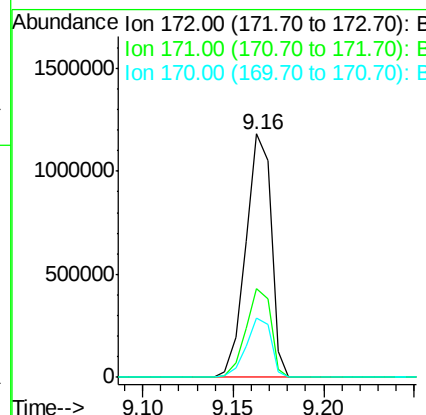
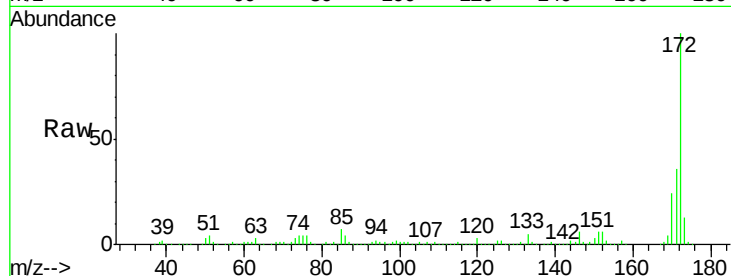
#44
2-Fluorobiphenyl
Concen: 71.605 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF104325.D
Acq: 7 Apr 2018 00:08

Instrument :
BNA_F
ClientSampled :
12000

Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	36.3	29.7	44.5	
170	24.2	19.6	29.4	

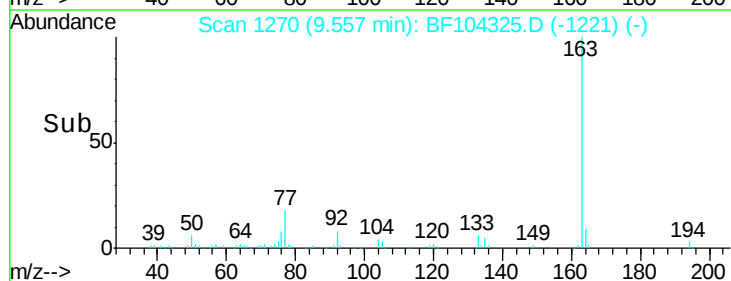
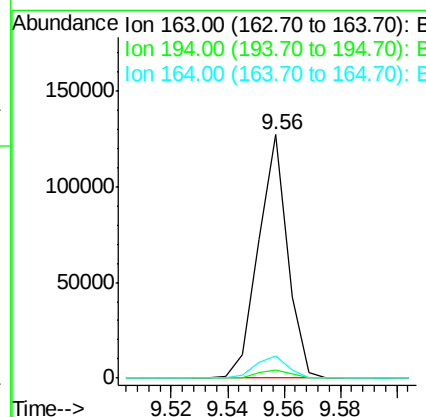
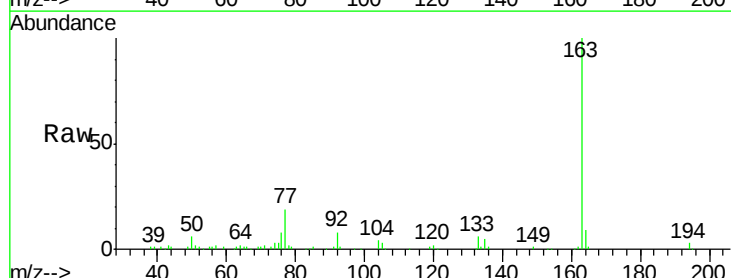
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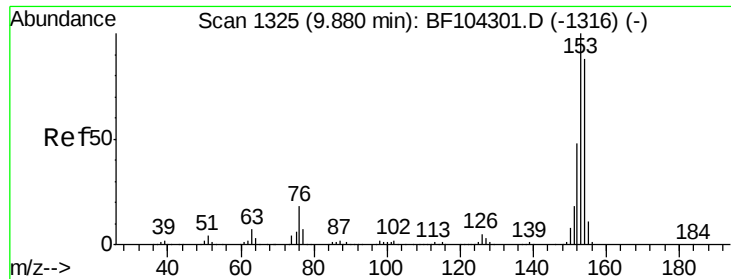
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#49
Dimethylphthalate
Concen: 4.584 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104325.D
Acq: 7 Apr 2018 00:08

Tgt Ion	Ion	Ratio	Lower	Upper
163	100			
194	3.2	2.7	4.1	
164	9.3	8.2	12.2	





#51

Acenaphthene

Concen: 2.595 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF104325.D

Acq: 7 Apr 2018 00:08

Instrument :

BNA_F

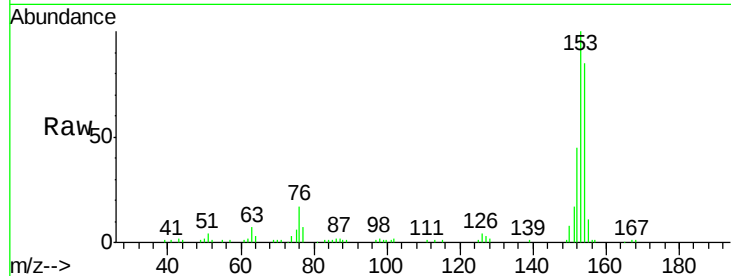
ClientSampleId :

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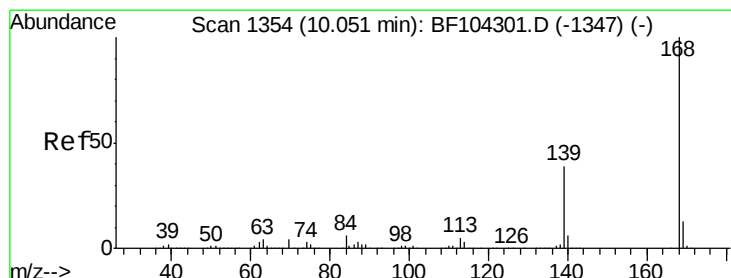
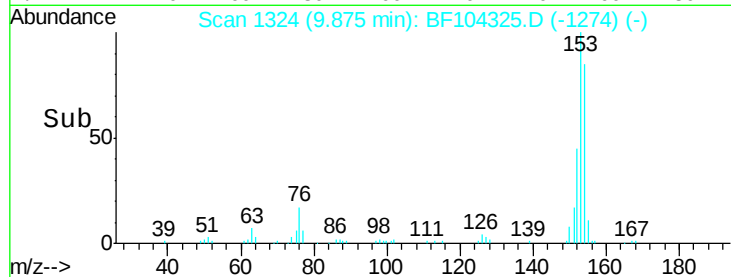
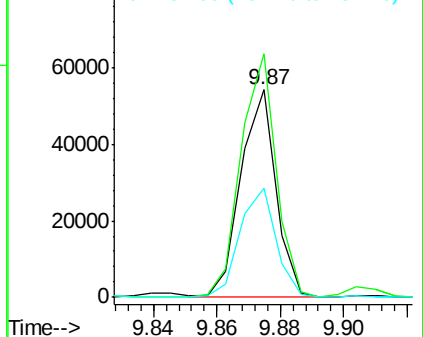
Tot Ion:	154	Resp:	41616
Ion	Ratio	Lower	Upper
154	100		
153	117.5	91.2	136.8
152	52.9	43.8	65.8

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.348 ng

RT: 10.05 min Scan# 1353

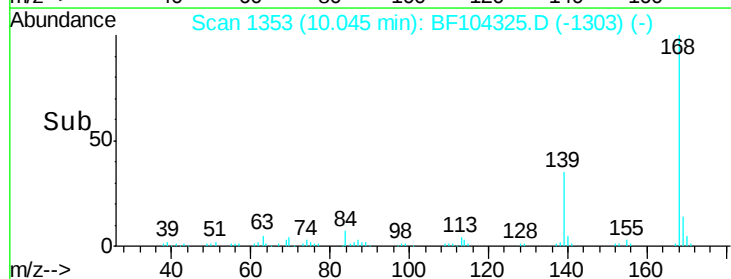
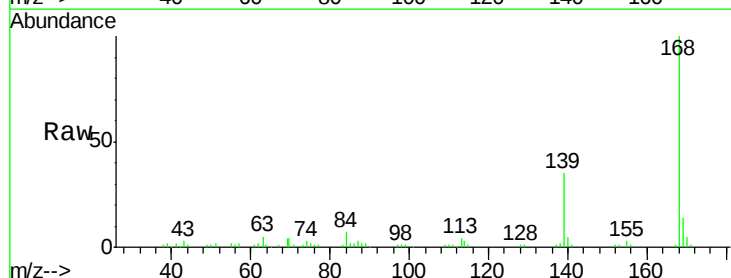
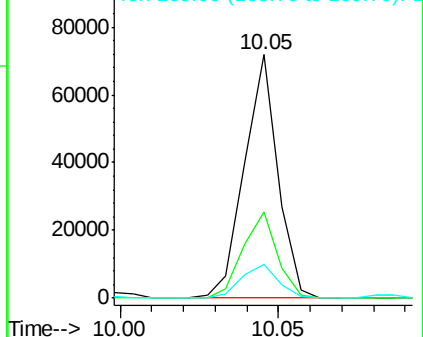
Delta R.T. -0.01 min

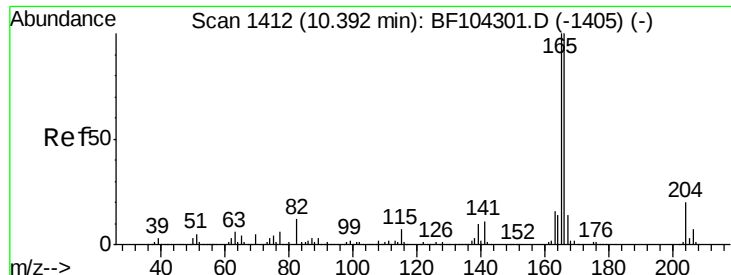
Lab File: BF104325.D

Acq: 7 Apr 2018 00:08

Tgt Ion:	168	Resp:	52485
Ion	Ratio	Lower	Upper
168	100		
139	35.4	30.1	45.1
169	13.8	10.9	16.3

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





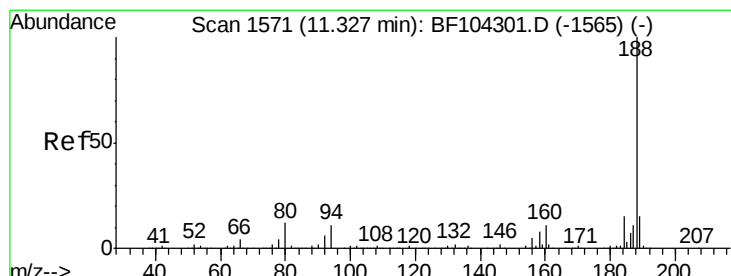
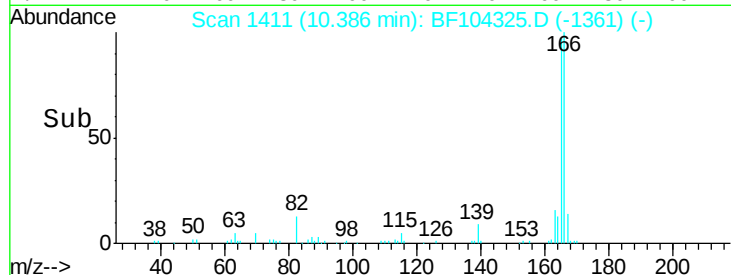
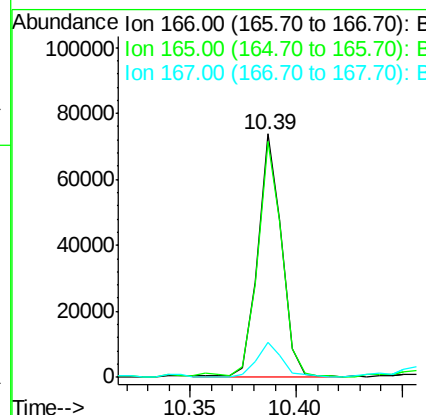
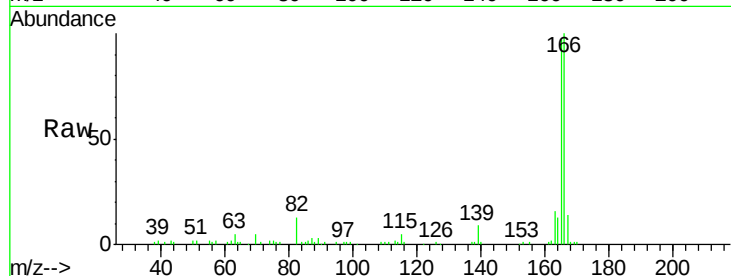
#57
 Fluorene
 Concen: 3.594 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.01 min
 Lab File: BF104325.D
 Acq: 7 Apr 2018 00:08

Instrument :
 BNA_F
 ClientSampled :
 12000

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		58475		
165	97.1	79.8	119.8		
167	14.4	10.6	16.0		

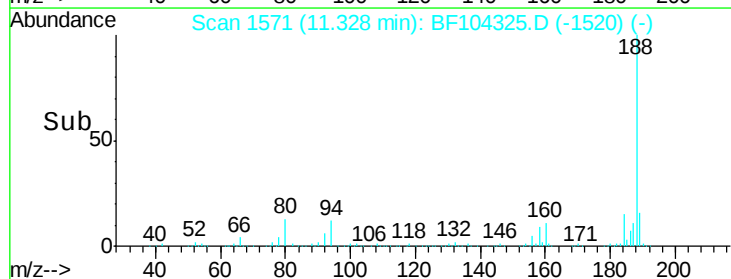
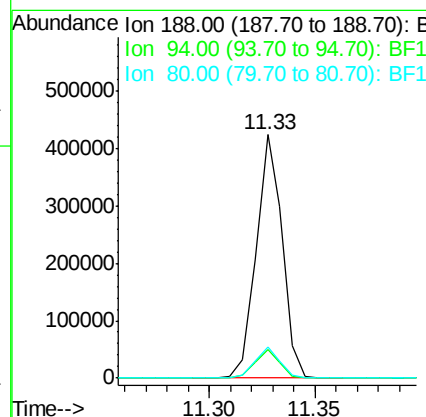
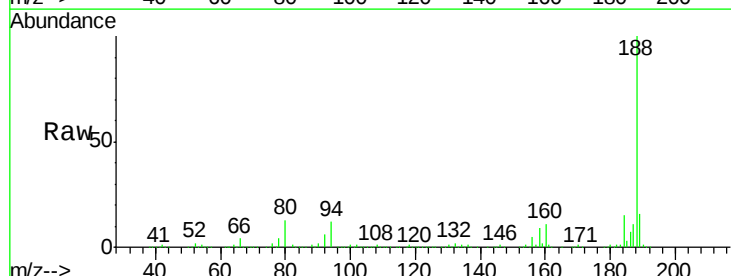
Manual Integrations
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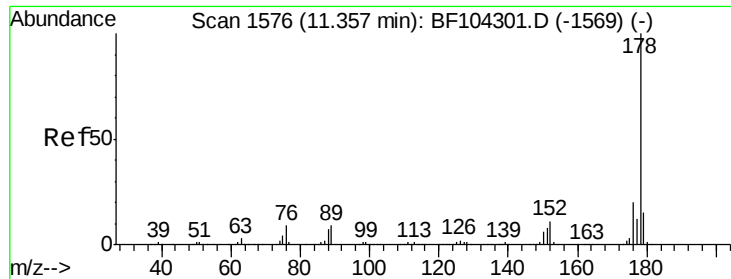
Sohil
 4/9/2018 11:18:42 AM



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BF104325.D
 Acq: 7 Apr 2018 00:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		362179		
94	11.7	8.5	12.7		
80	12.8	9.2	13.8		





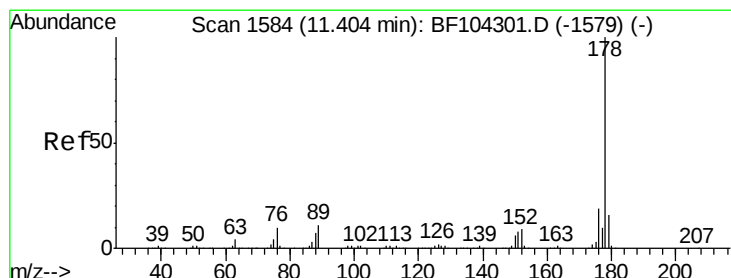
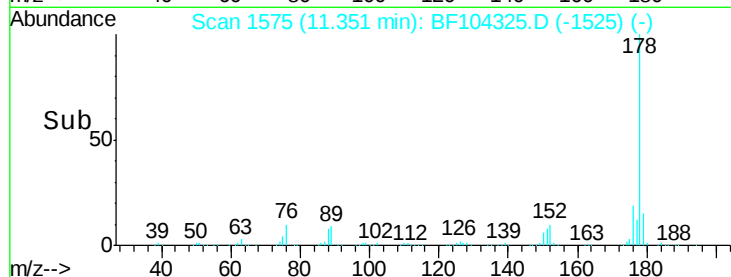
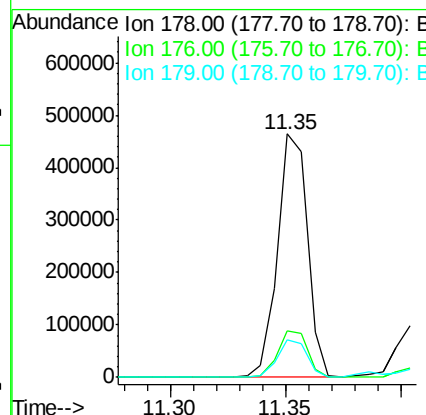
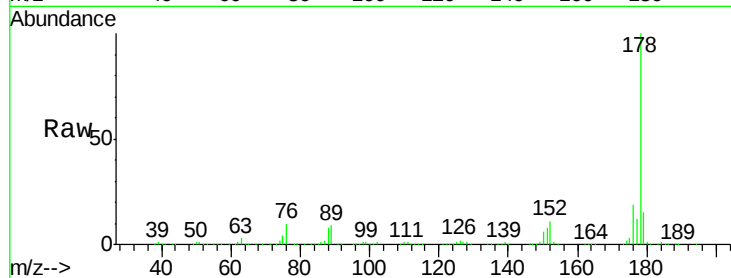
#70
Phenanthrene
Concen: 20.666 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF104325.D
Acq: 7 Apr 2018 00:08

Instrument :
BNA_F
ClientSampleId :
12000

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.5	13.0	19.6

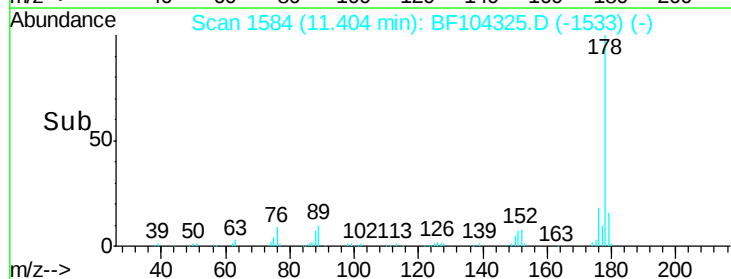
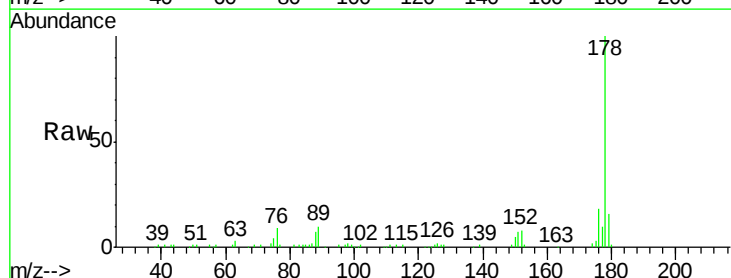
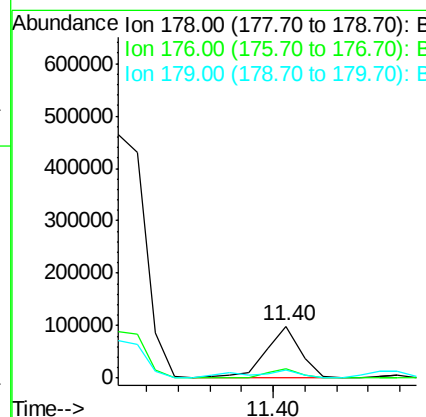
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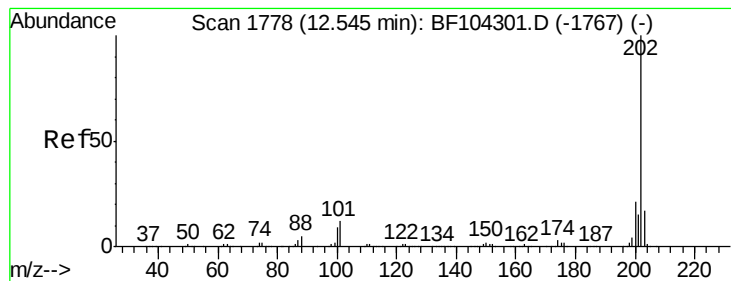
Sohil
4/9/2018 11:18:42 AM



#71
Anthracene
Concen: 3.626 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF104325.D
Acq: 7 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	15.6	12.6	19.0





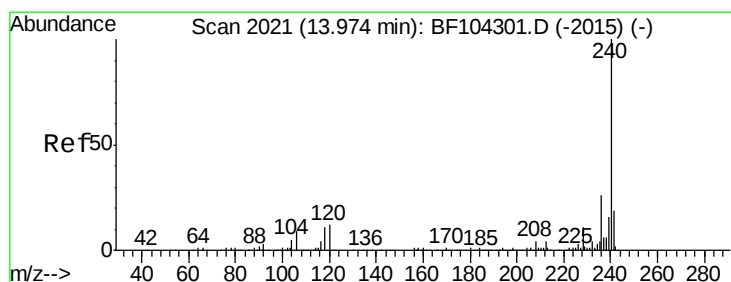
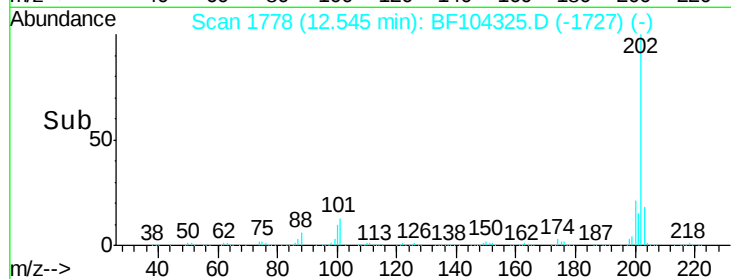
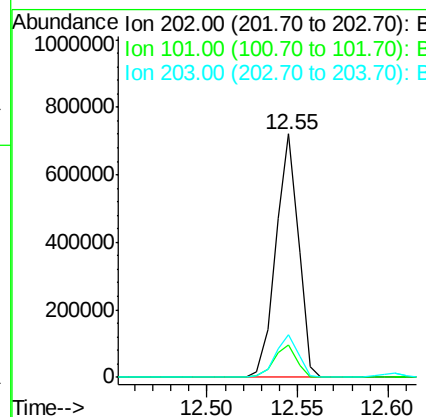
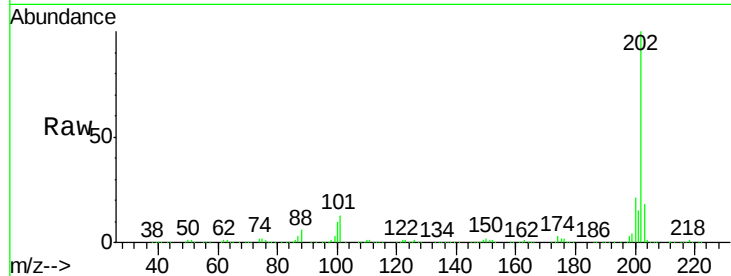
#74
 Fluoranthene
 Concen: 29.350 ng
 RT: 12.55 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: BF104325.D
 Acq: 7 Apr 2018 00:08

Instrument :
 BNA_F
 ClientSampled :
 12000

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.1	0.0	34.1
203	17.6	0.0	38.1

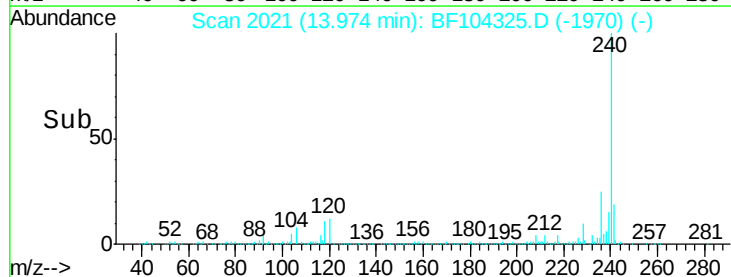
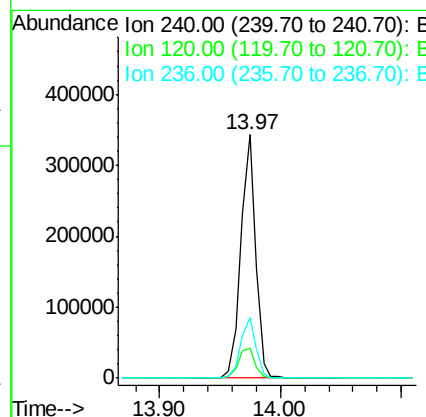
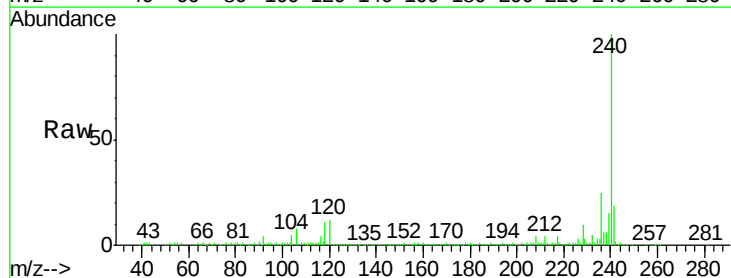
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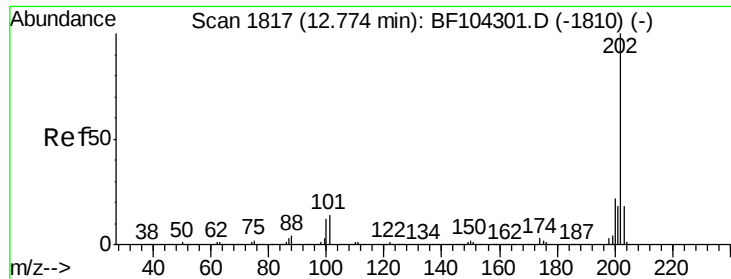
Sohil
 4/9/2018 11:18:42 AM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: BF104325.D
 Acq: 7 Apr 2018 00:08

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.4	9.5	14.3
236	25.1	20.7	31.1





#77

Pvrene

Concen: 22.302 ng

RT: 12.77 min Scan# 1817

Delta R.T. 0.00 min

Lab File: BF104325.D

Acq: 7 Apr 2018 00:08

Instrument :

BNA_F

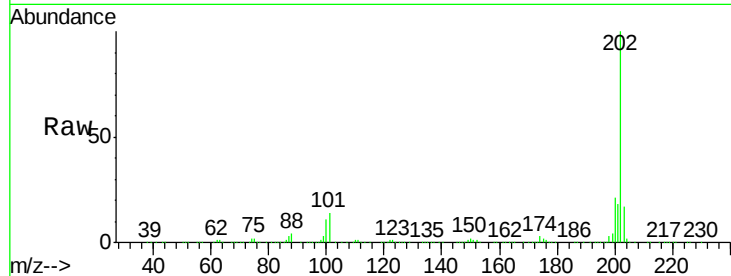
ClientSampleId :

12000

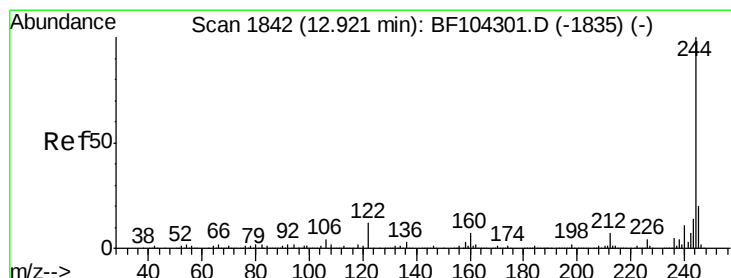
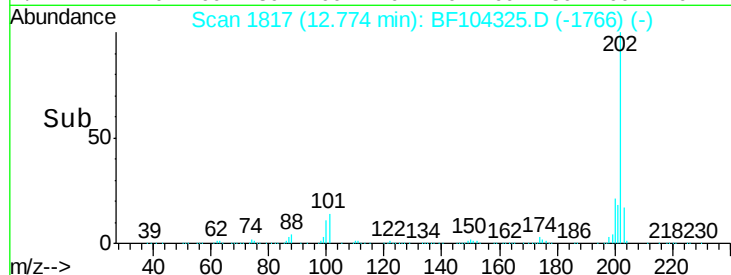
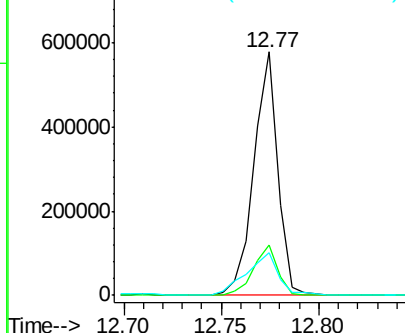
Tot Ion:	202	Resp:	490651
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.4	26.2
203	17.4	14.3	21.5

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4/9/2018 11:18:42 AM



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: 60.987 ng

RT: 12.92 min Scan# 1842

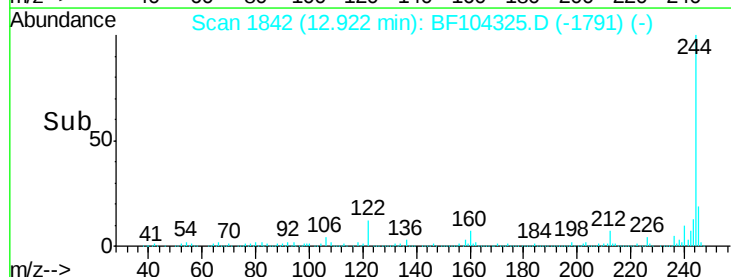
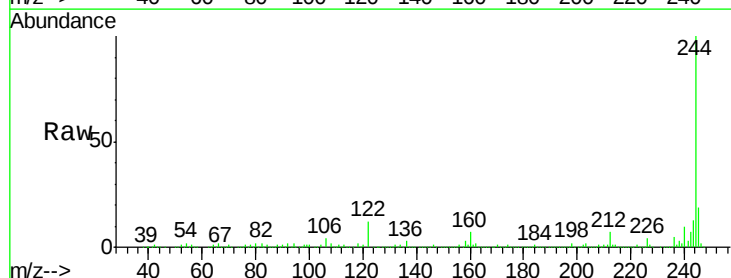
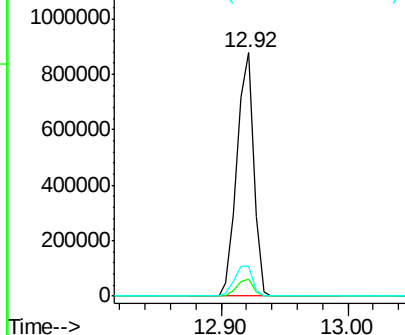
Delta R.T. 0.00 min

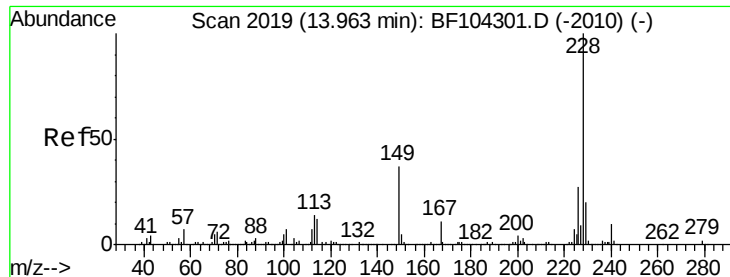
Lab File: BF104325.D

Acq: 7 Apr 2018 00:08

Tgt Ion:	244	Resp:	793971
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.0
122	12.2	11.0	16.4

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





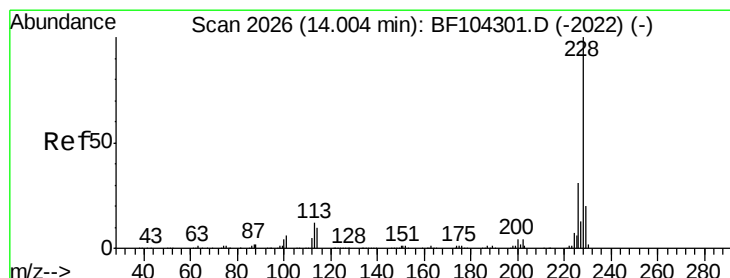
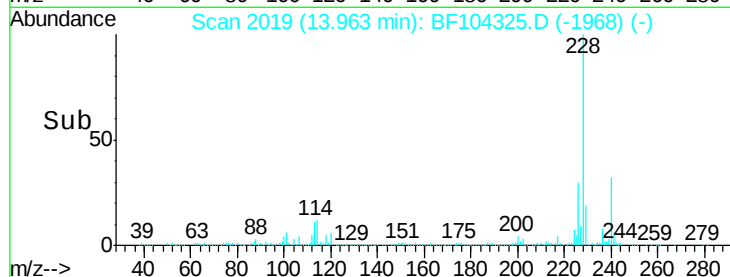
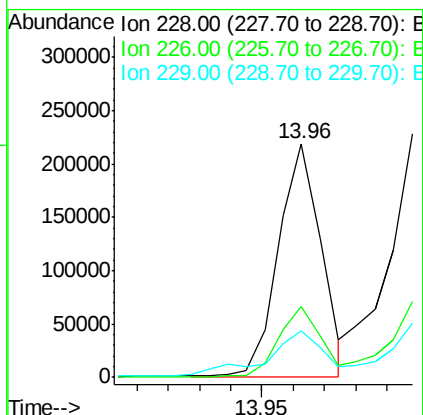
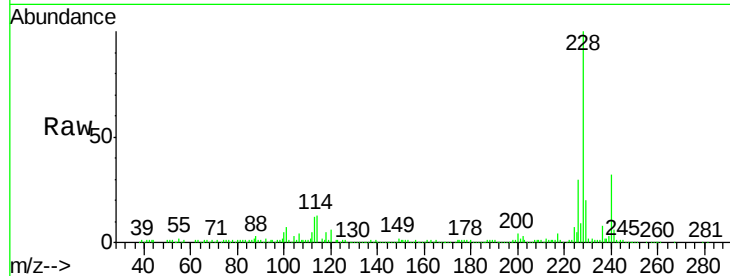
#80
Benzo(a)anthracene
Concen: 11.650 ng m
RT: 13.96 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BF104325.D
Acq: 7 Apr 2018 00:08

Instrument :
BNA_F
ClientSampleId :
12000

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.6	33.8
229	20.0	15.8	23.6

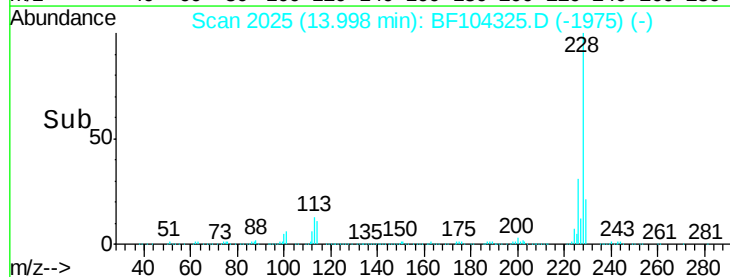
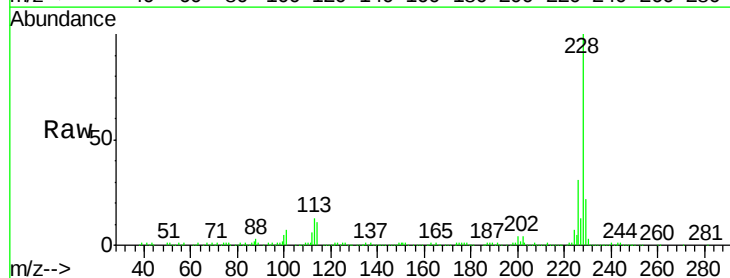
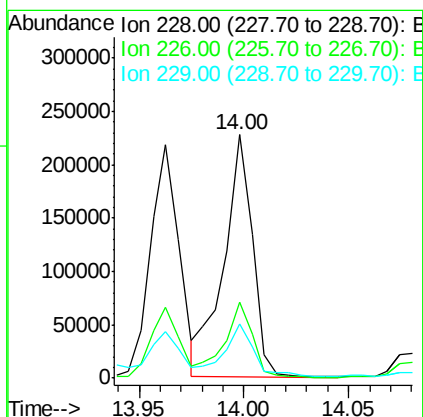
Manual Integrations
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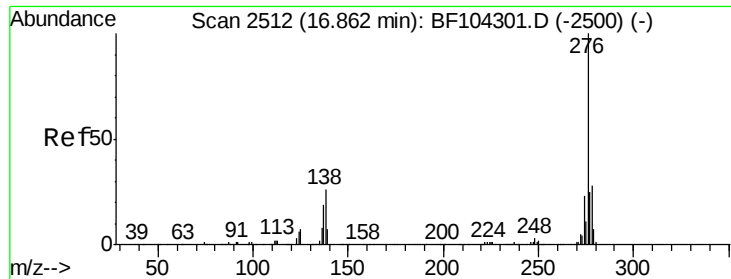
Sohil
4/9/2018 11:18:42 AM



#82
Chrysene
Concen: 11.958 ng m
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF104325.D
Acq: 7 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	22.3	16.2	24.4





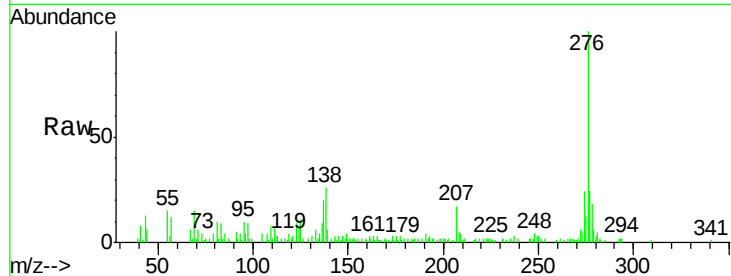
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.124 ng
RT: 16.86 min Scan# 2512
Delta R.T. 0.00 min
Lab File: BF104325.D
Acq: 7 Apr 2018 00:08

Instrument :
BNA_F
ClientSampled :
12000

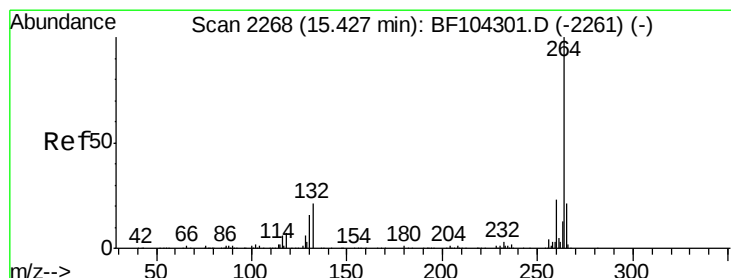
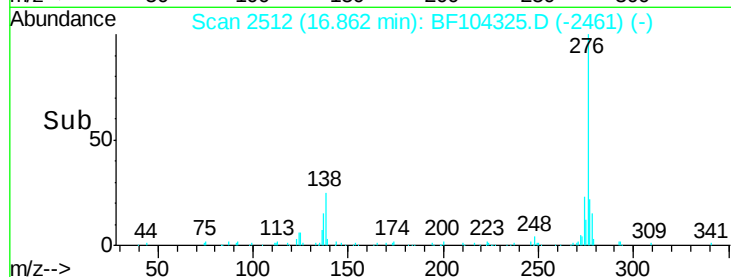
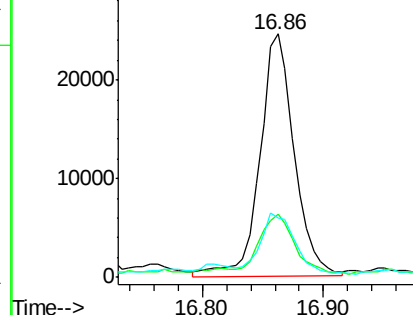
Tot Ion	Ratio	Lower	Upper
276	100		
138	24.3	25.0	37.6#
277	25.1	20.1	30.1

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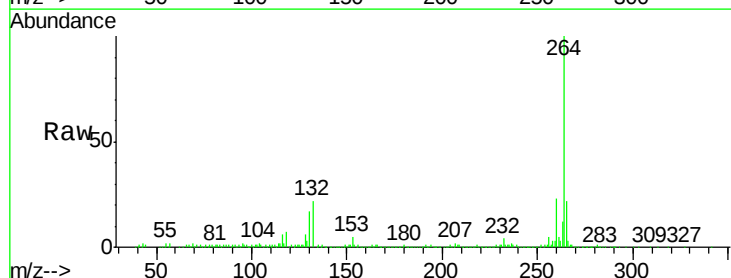


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

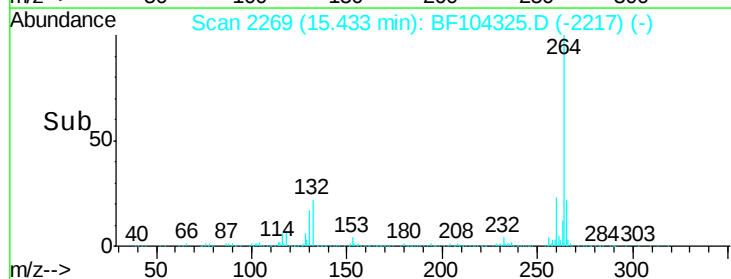
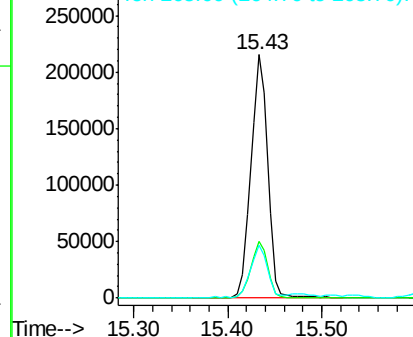


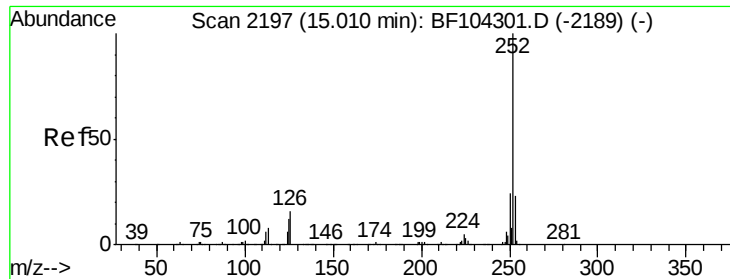
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF104325.D
Acq: 7 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.9	17.5	26.3



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: 11.960 ng m

RT: 15.01 min Scan# 2197

Delta R.T. 0.00 min

Lab File: BF104325.D

Acq: 7 Apr 2018 00:08

Instrument :

BNA_F

ClientSampleId :

12000

Tot Ion:252 Resp: 203138

Ion Ratio Lower Upper

252 100

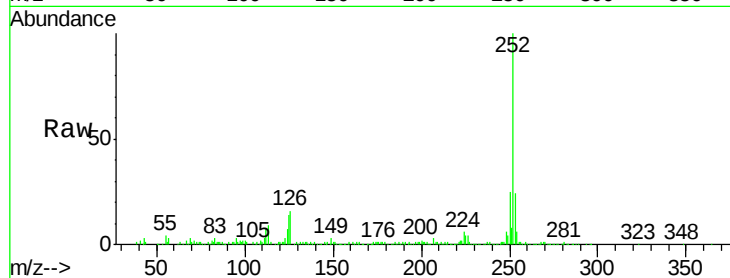
253 24.2 17.0 25.6

125 14.1 9.0 13.6#

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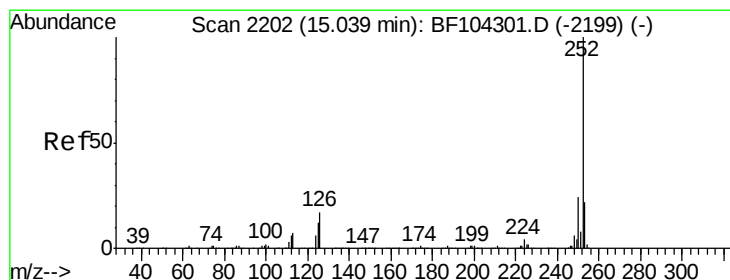
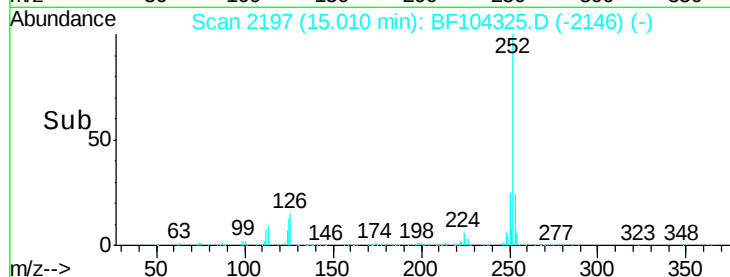
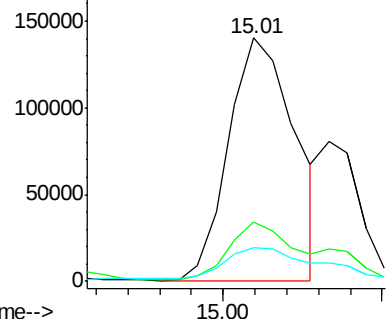
4/9/2018 11:18:42 AM



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: 4.240 ng m

RT: 15.03 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BF104325.D

Acq: 7 Apr 2018 00:08

Tgt Ion:252 Resp: 67992

Ion Ratio Lower Upper

252 100

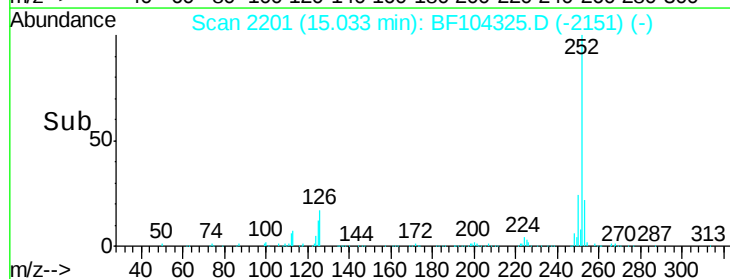
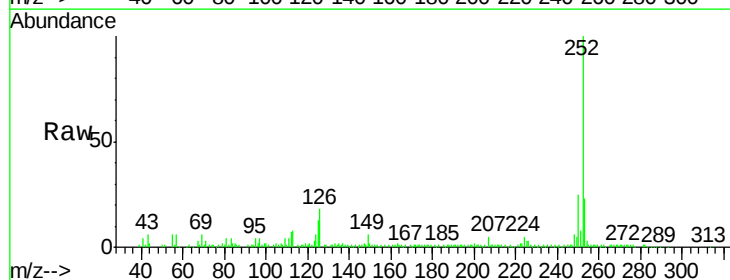
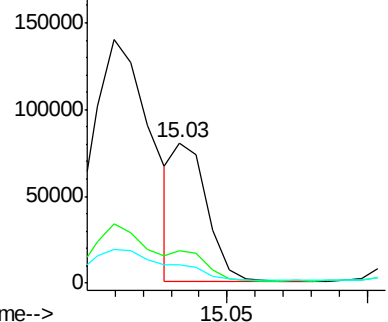
253 23.0 17.9 26.9

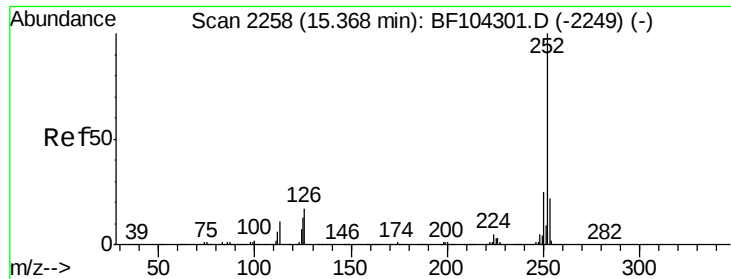
125 13.2 10.2 15.2

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





#89

Benzo(a)pyrene

Concen: 7.495 ng

RT: 15.37 min Scan# 2258

Delta R.T. 0.00 min

Lab File: BF104325.D

Acq: 7 Apr 2018 00:08

Instrument :

BNA_F

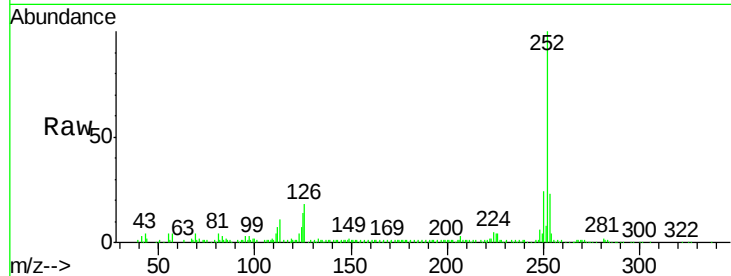
ClientSampled :

12000

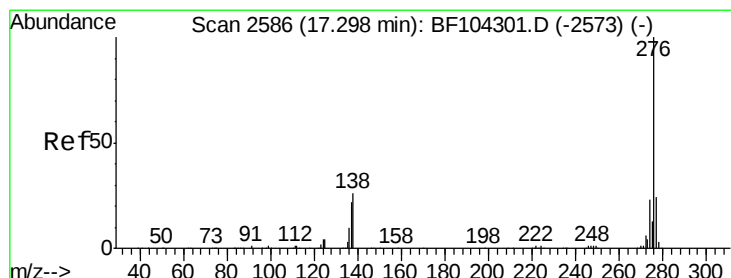
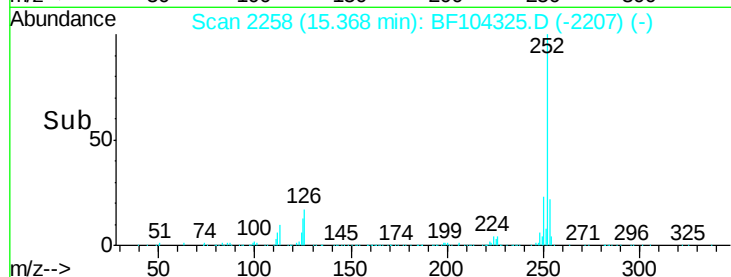
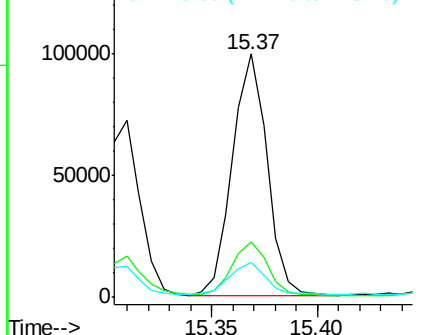
Tot Ion:	252	Resp:	113911
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.1	25.7
125	14.3	9.8	14.6

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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



#91

Benzo(g,h,i)perylene

Concen: 3.233 ng

RT: 17.30 min Scan# 2586

Delta R.T. 0.00 min

Lab File: BF104325.D

Acq: 7 Apr 2018 00:08

Tgt Ion:	276	Resp:	39098
Ion Ratio	Lower	Upper	
276	100		
277	24.0	17.9	26.9
138	26.6	21.8	32.8

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

