

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
 Data File : BF104452.D
 Acq On : 12 Apr 2018 15:48
 Operator : JU/SJ
 Sample : J2335-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S3

Manual Integrations
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Sohil
 4/13/2018 4:44:03 PM

Quant Time: Apr 13 10:47:34 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 12 17:07:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	139239	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	545616	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	224463	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	310714	20.00	ng	0.00
75) Chrysene-d12	13.99	240	242970	20.00	ng	0.00
86) Perylene-d12	15.46	264	219286	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1113849	122.32	ng	0.02
7) Phenol-d6	6.45	99	1354943	121.10	ng	0.00
23) Nitrobenzene-d5	7.38	82	856898	102.55	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	264509	113.60	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1259929	88.67	ng	0.00
78) Terphenyl-d14	12.94	244	804063	75.45	ng	0.00
Target Compounds						
10) Phenol	6.46	94	28572	2.407	ng	98
31) Naphthalene	8.12	128	57668	2.123	ng	99
49) Dimethylphthalate	9.56	163	115035	6.499	ng	99
70) Phenanthrene	11.36	178	58066	3.356	ng	96
74) Fluoranthene	12.57	202	110450	6.109	ng	97
77) Pyrene	12.79	202	108059m	6.000	ng	
80) Benzo(a)anthracene	13.98	228	63660	4.386	ng	# 89
82) Chrysene	14.02	228	60977	4.090	ng	# 91
85) Indeno(1,2,3-cd)pyrene	16.90	276	27462	2.168	ng	96
87) Benzo(b)fluoranthene	15.03	252	70657m	5.102	ng	
89) Benzo(a)pyrene	15.39	252	48382	3.904	ng	# 74
91) Benzo(a,h,i)perylene	17.34	276	25921	2.629	ng	# 93

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

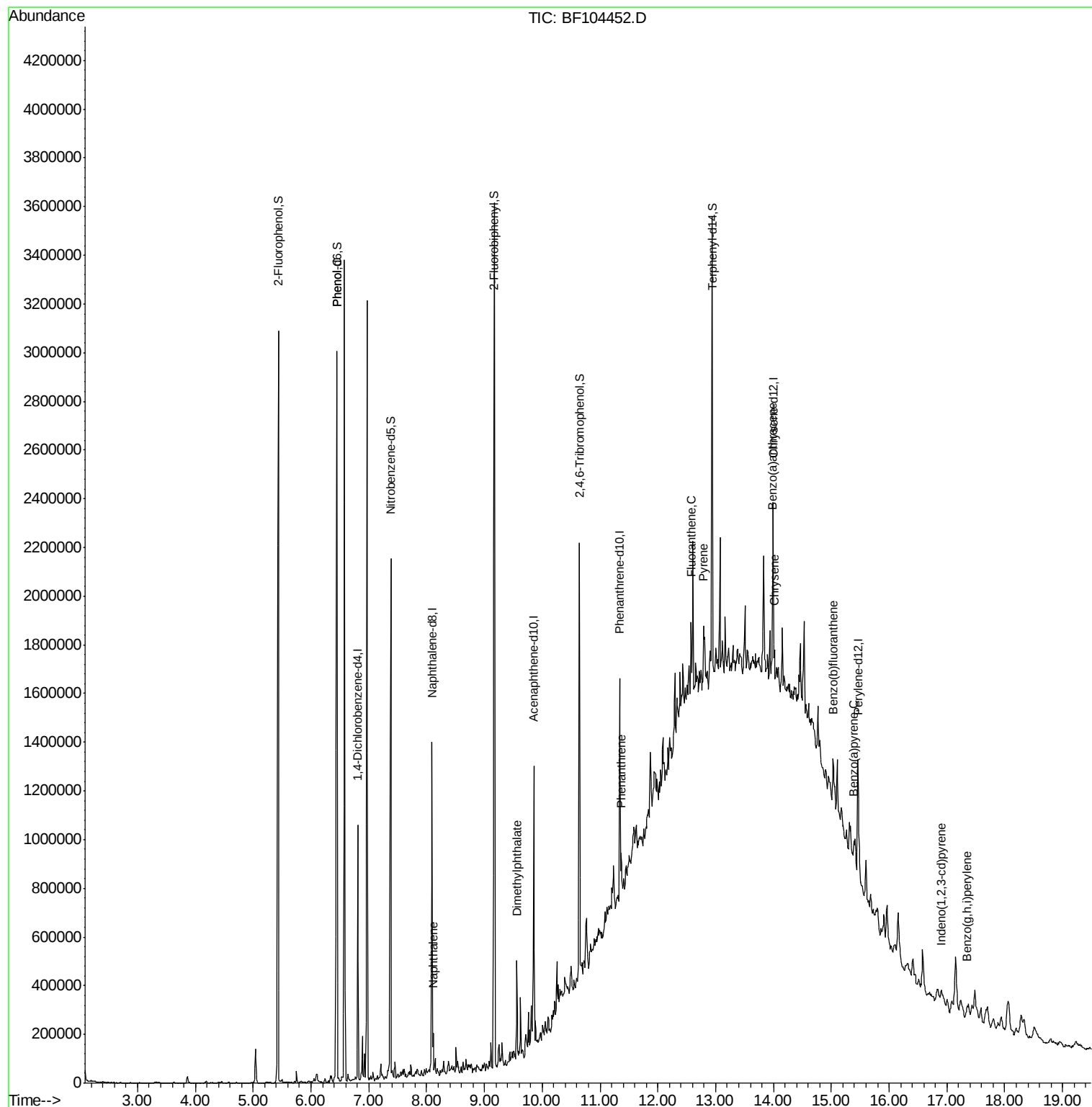
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
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ALS Vial : 8 Sample Multiplier: 1

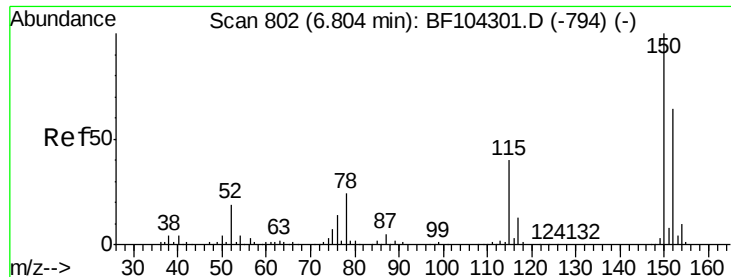
Instrument :
BNA_F
ClientSampleId :
S3

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

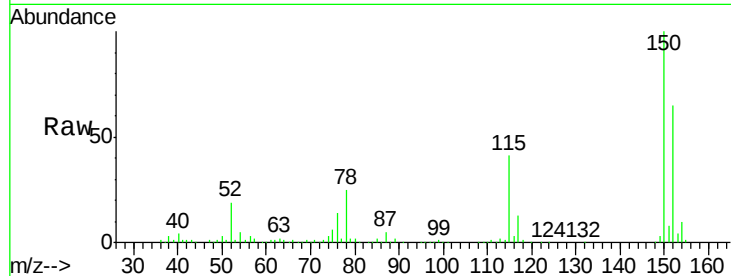
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104452.D
Acq: 12 Apr 2018 15:48

Instrument :
BNA_F
ClientSampled :
S3

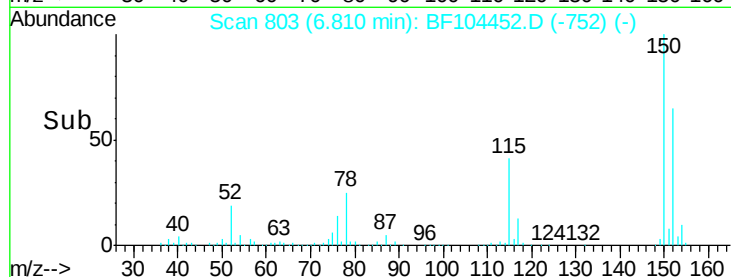
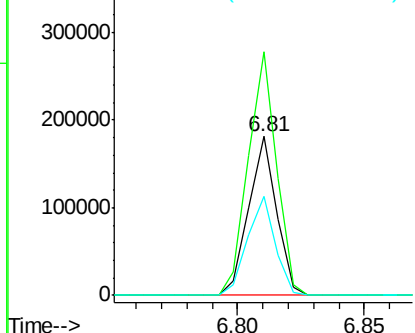
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	124.6	186.8
115	62.2	50.1	75.1

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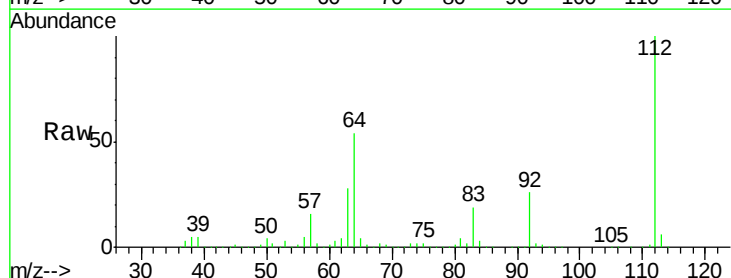
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



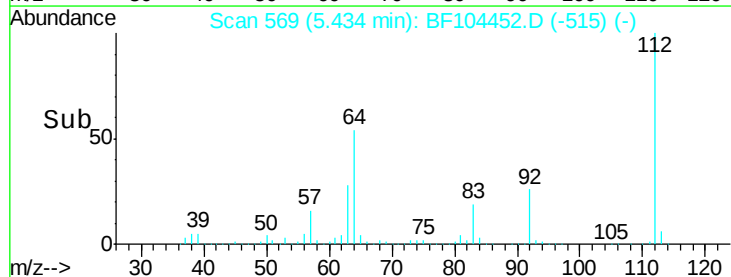
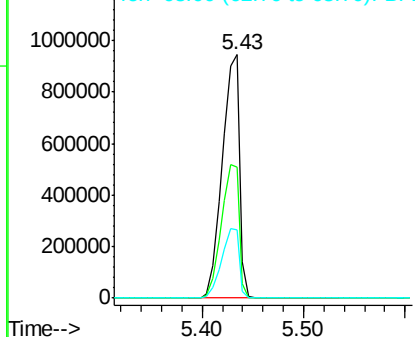
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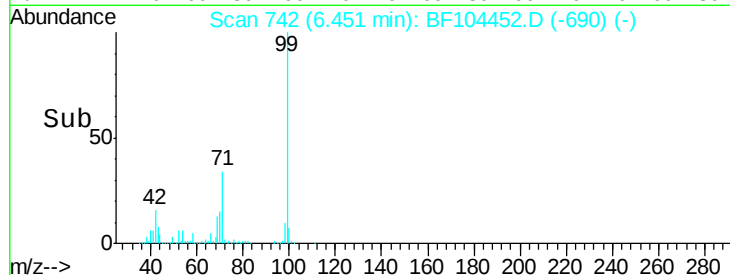
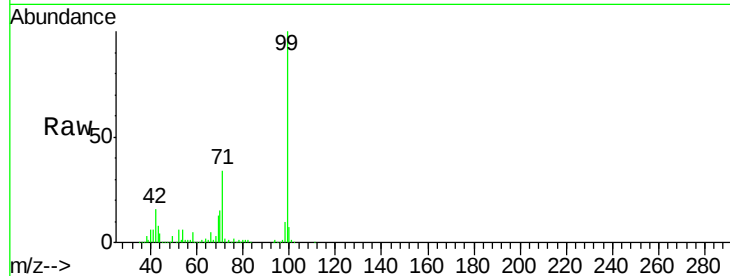
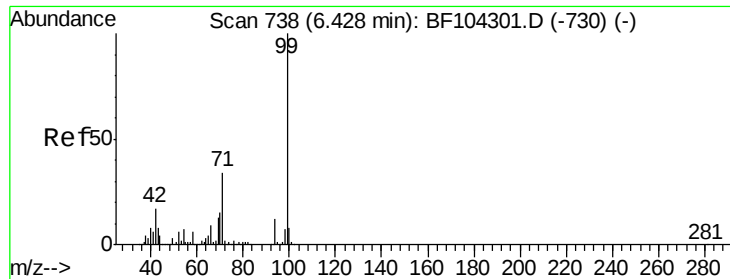
2-Fluorophenol
Concen: 122.318 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.02 min
Lab File: BF104452.D
Acq: 12 Apr 2018 15:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	47.9	71.9
63	28.0	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: 121.101 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104452.D

Acq: 12 Apr 2018 15:48

Tot Ion:	99	Resp:	1354943
Ion	Ratio	Lower	Upper
99	100		
42	15.8	14.5	21.7
71	34.0	25.4	38.0

Instrument :

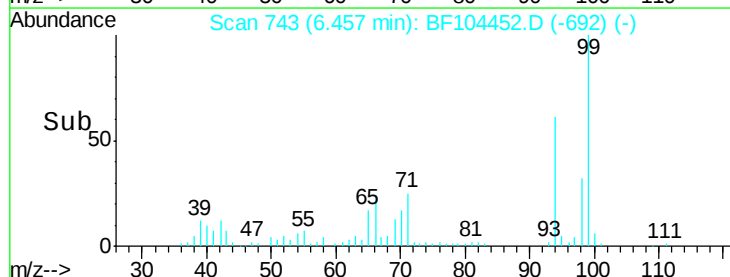
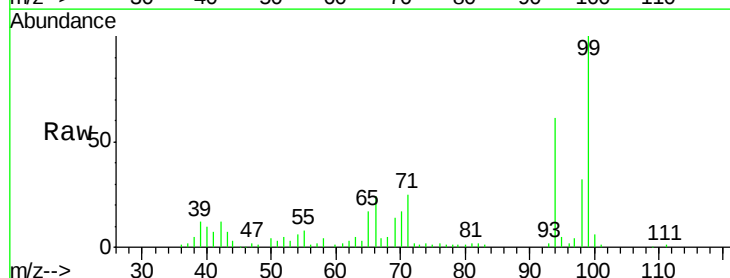
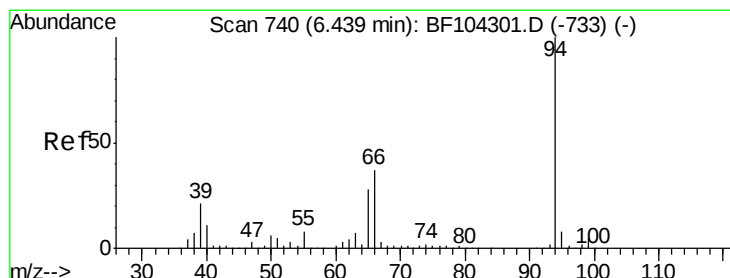
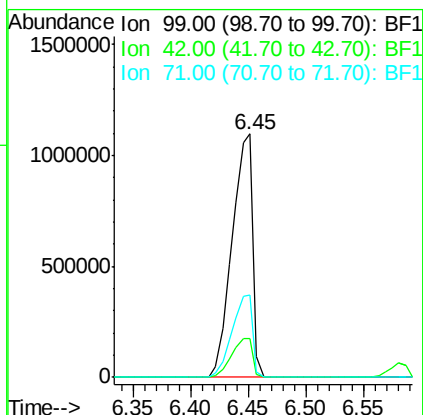
BNA_F

ClientSampled :

S3

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#10

Phenol

Concen: 2.407 ng

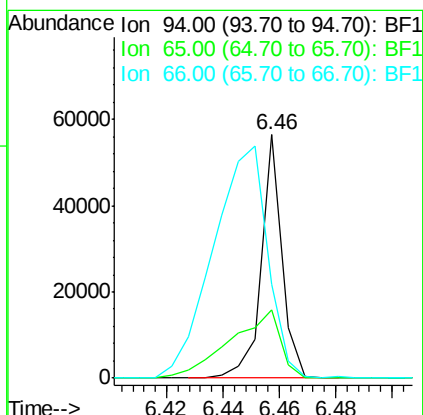
RT: 6.46 min Scan# 743

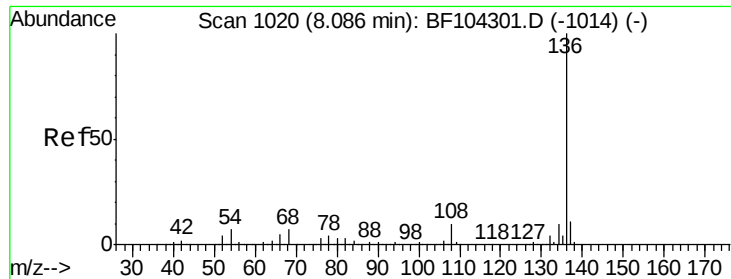
Delta R.T. 0.00 min

Lab File: BF104452.D

Acq: 12 Apr 2018 15:48

Tgt Ion:	94	Resp:	28572
Ion	Ratio	Lower	Upper
94	100		
65	28.0	7.9	47.9
66	38.7	16.2	56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF104452.D

Acq: 12 Apr 2018 15:48

Instrument :

BNA_F

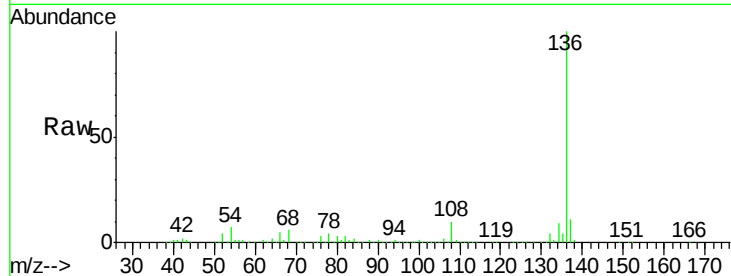
ClientSampled :

S3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	11.0		8.9	13.3	
54	6.9		6.6	9.8	
68	6.0		5.0	7.4	

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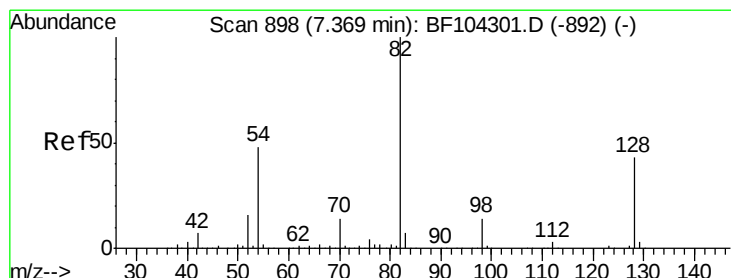
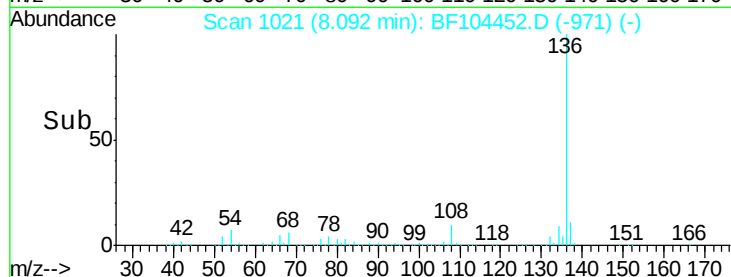
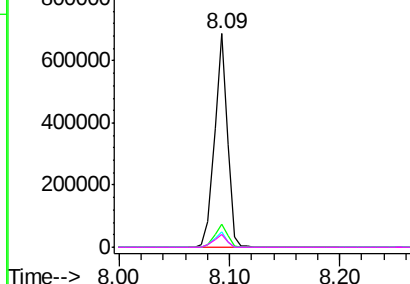


Abundance Ion 136.00 (135.70 to 136.70): E

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: 102.552 ng

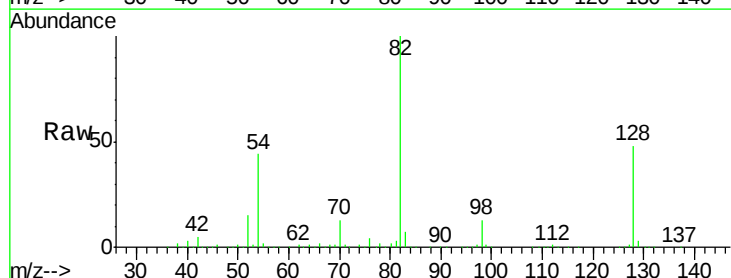
RT: 7.38 min Scan# 900

Delta R.T. 0.00 min

Lab File: BF104452.D

Acq: 12 Apr 2018 15:48

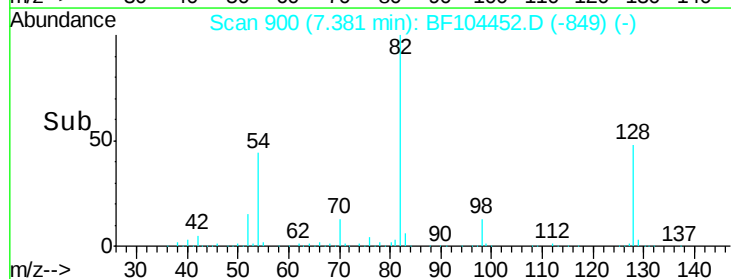
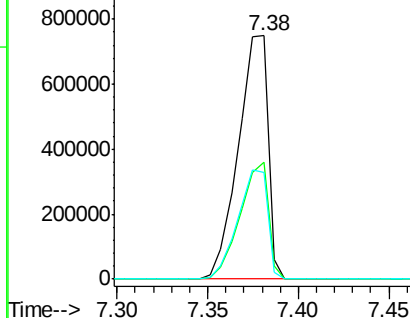
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	48.0		36.1	54.1	
54	43.6		41.4	62.2	

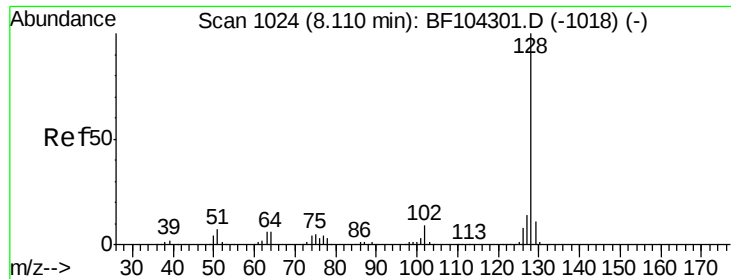


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





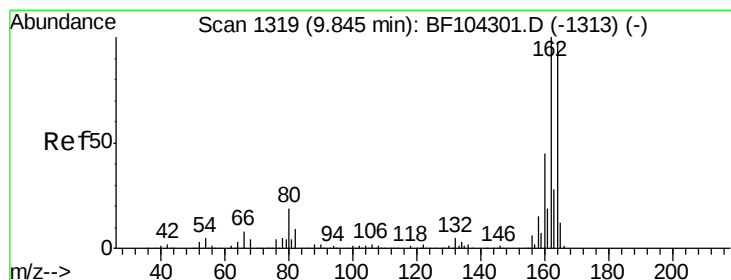
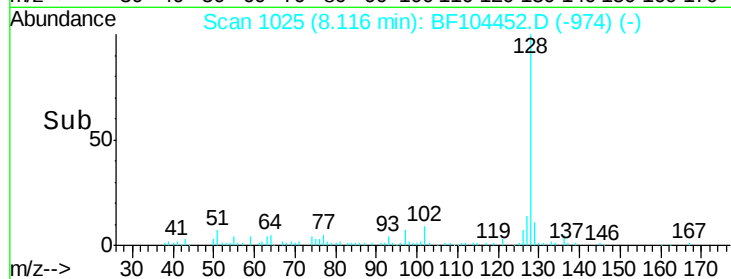
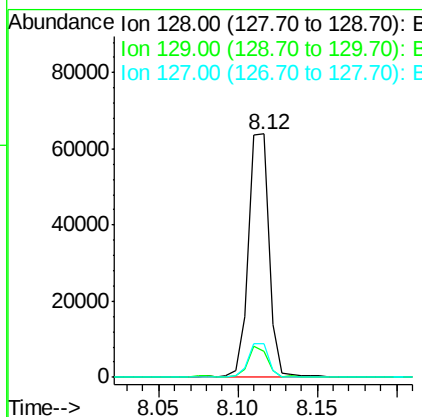
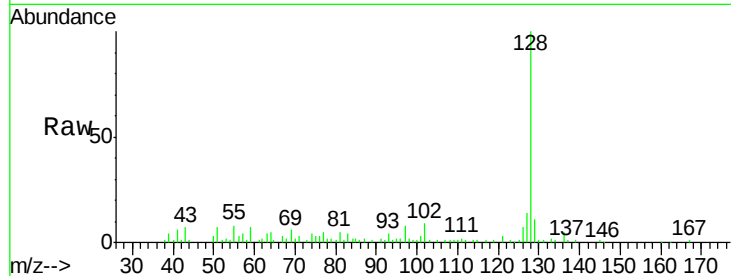
#31
Naphthalene
Concen: 2.123 ng
RT: 8.12 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BF104452.D
Acq: 12 Apr 2018 15:48

Instrument :
BNA_F
ClientSampleId :
S3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		57668		
129	10.5	8.8	13.2		
127	14.1	10.9	16.3		

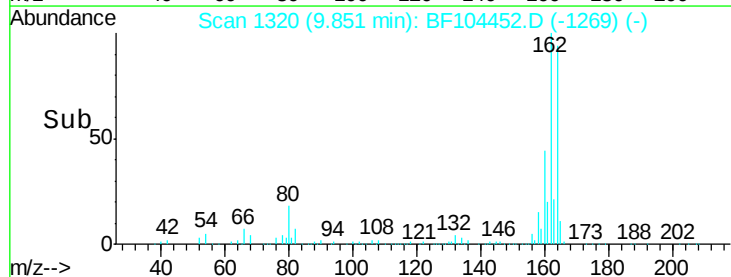
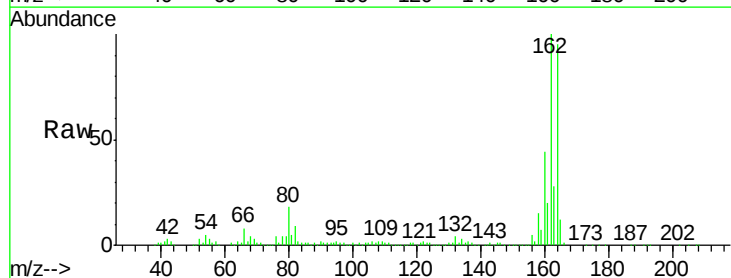
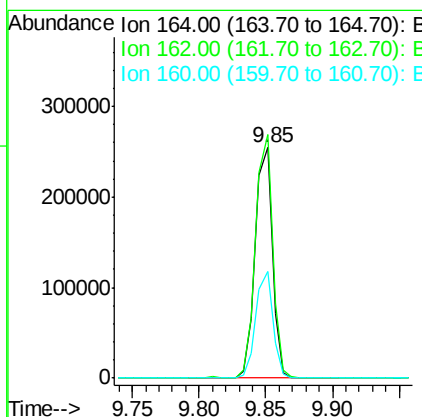
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.00 min
Lab File: BF104452.D
Acq: 12 Apr 2018 15:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
164	100		224463		
162	105.6	86.1	129.1		
160	46.2	38.3	57.5		





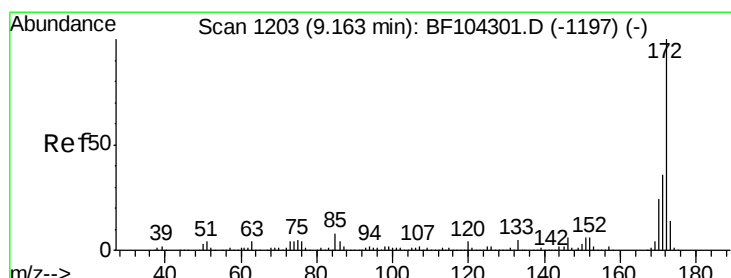
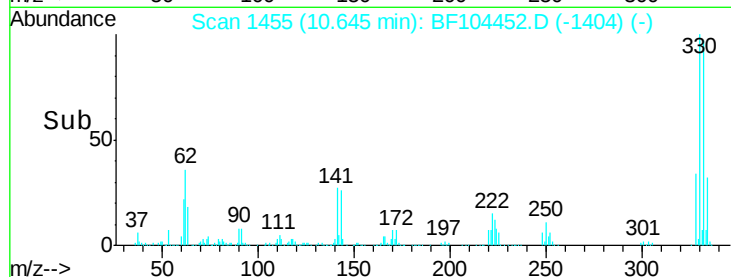
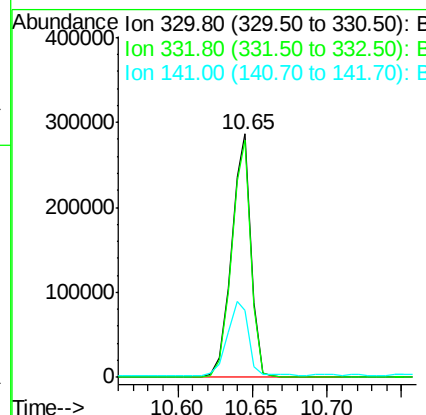
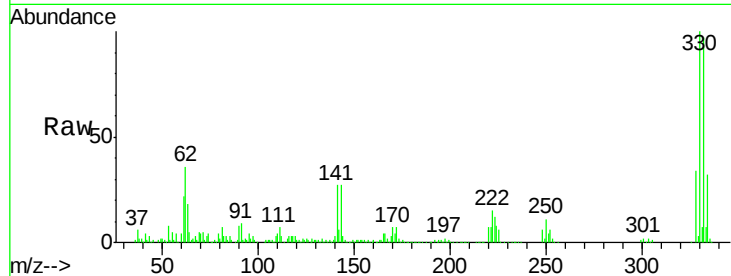
#41
 2,4,6-Tribromophenol
 Concen: 113.600 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: BF104452.D
 Acq: 12 Apr 2018 15:48

Instrument :
 BNA_F
 ClientSampled :
 S3

Tot Ion	Ratio	Resp	Lower	Upper
330	100	264509		
332	96.6		77.0	115.6
141	33.1		29.9	44.9

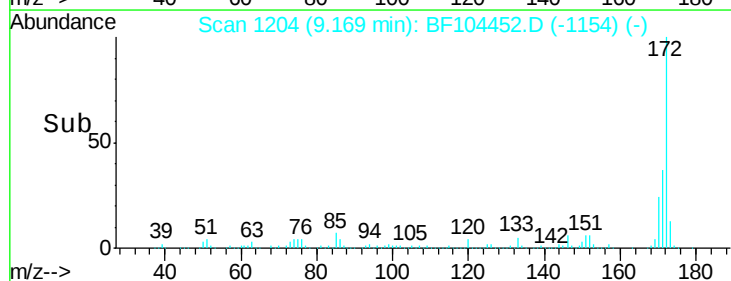
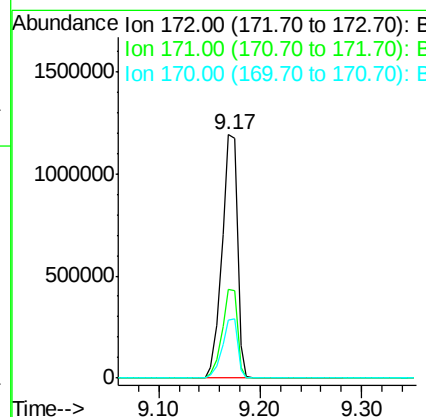
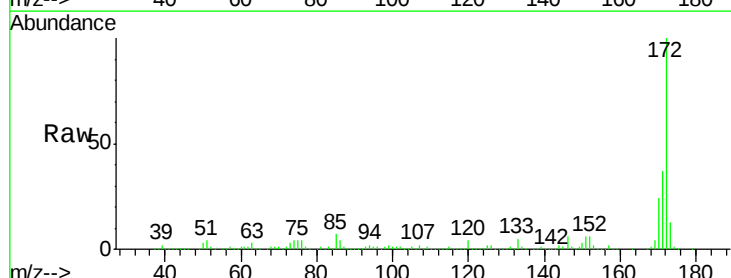
Manual Integrations
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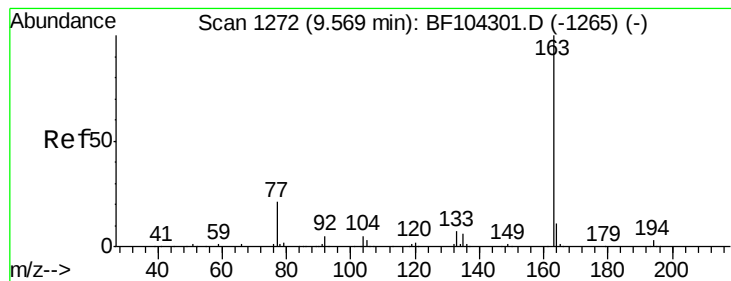
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#44
 2-Fluorobiphenyl
 Concen: 88.673 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104452.D
 Acq: 12 Apr 2018 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1259929		
171	36.5		29.7	44.5
170	24.1		19.6	29.4





#49

Dimethylphthalate

Concen: 6.499 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF104452.D

Acq: 12 Apr 2018 15:48

Instrument :

BNA_F

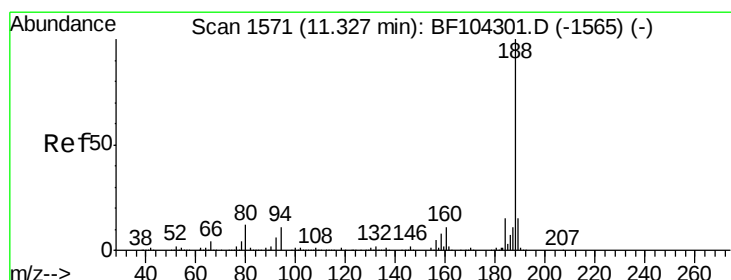
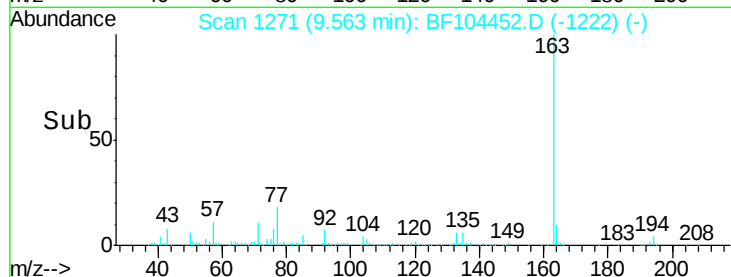
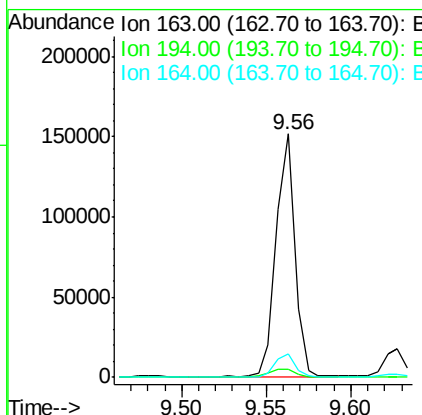
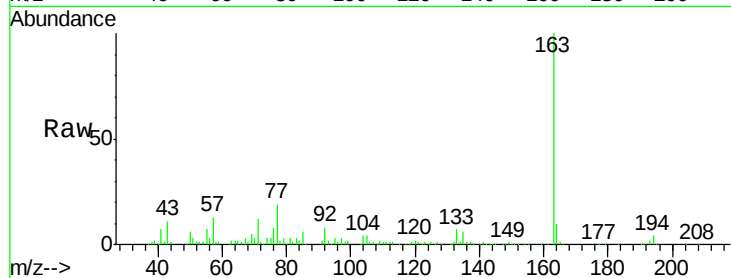
ClientSampleId :

S3

Tot Ion:	163	Resp:	115035
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.7	4.1
164	9.6	8.2	12.2

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

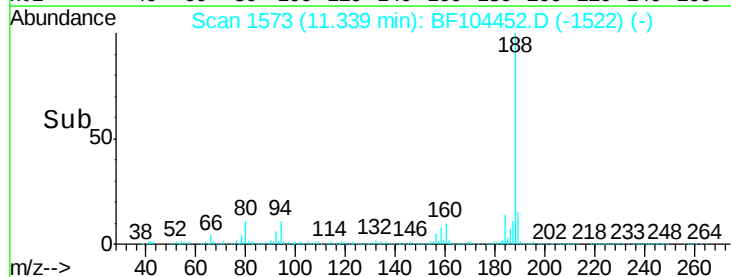
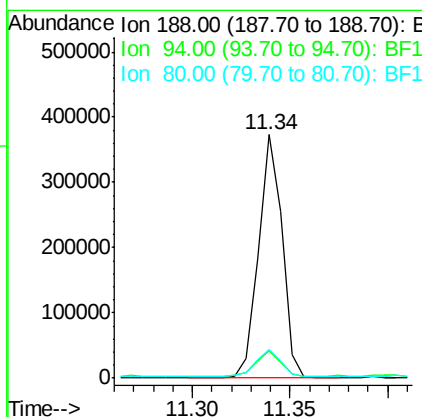
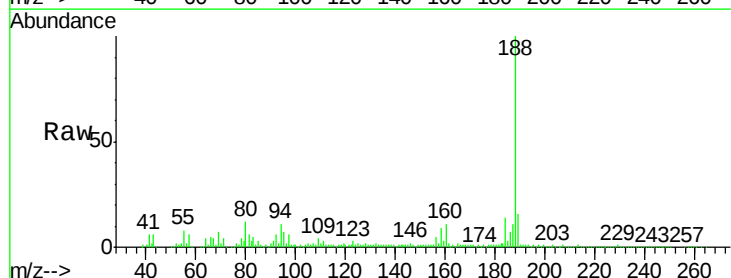
RT: 11.34 min Scan# 1573

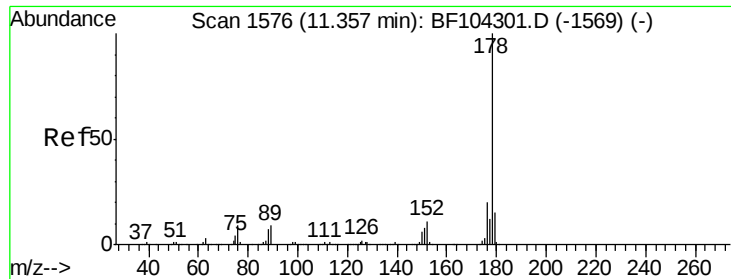
Delta R.T. 0.00 min

Lab File: BF104452.D

Acq: 12 Apr 2018 15:48

Tgt Ion:	188	Resp:	310714
Ion Ratio	Lower	Upper	
188	100		
94	11.4	8.5	12.7
80	11.8	9.2	13.8





#70

Phenanthrene

Concen: 3.356 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF104452.D

Acq: 12 Apr 2018 15:48

Instrument :

BNA_F

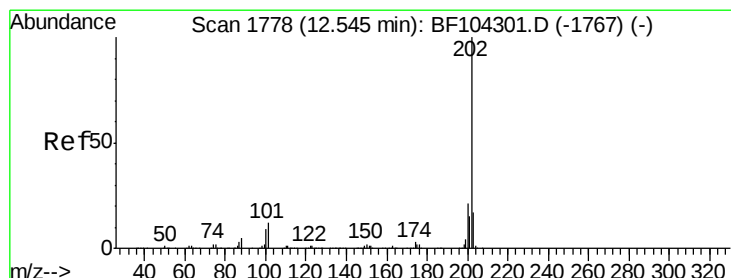
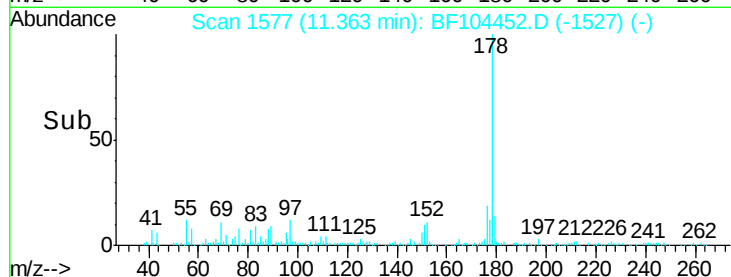
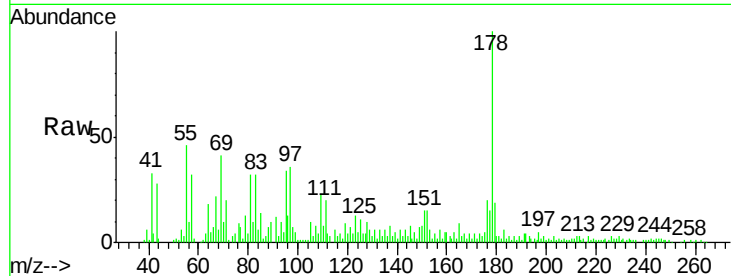
ClientSampled :

S3

Tot Ion:	178	Resp:	58066
Ion Ratio	Lower	Upper	
178	100		
176	20.1	15.8	23.8
179	19.3	13.0	19.6

Manual Integrations
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#74

Fluoranthene

Concen: 6.109 ng

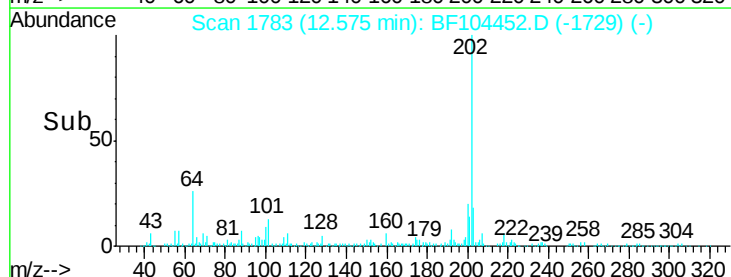
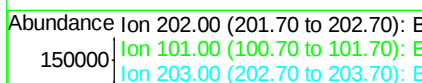
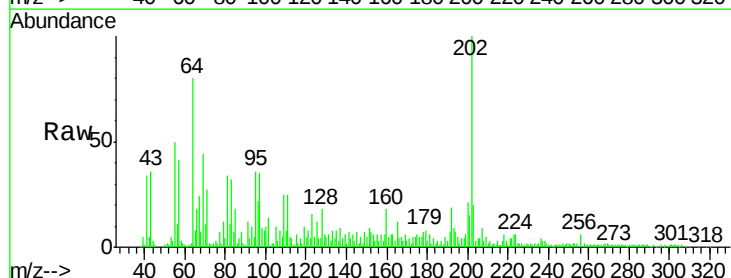
RT: 12.57 min Scan# 1783

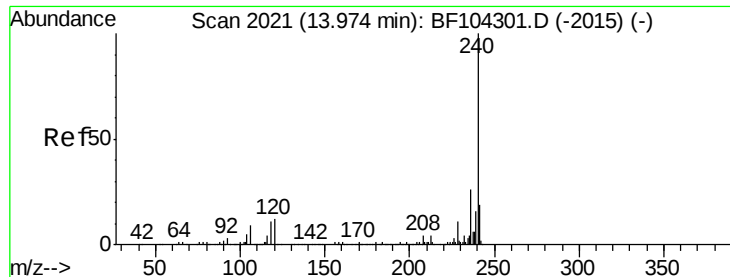
Delta R.T. 0.02 min

Lab File: BF104452.D

Acq: 12 Apr 2018 15:48

Tgt Ion:	202	Resp:	110450
Ion Ratio	Lower	Upper	
202	100		
101	13.8	0.0	34.1
203	20.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.00 min

Lab File: BF104452.D

Acq: 12 Apr 2018 15:48

Instrument :

BNA_F

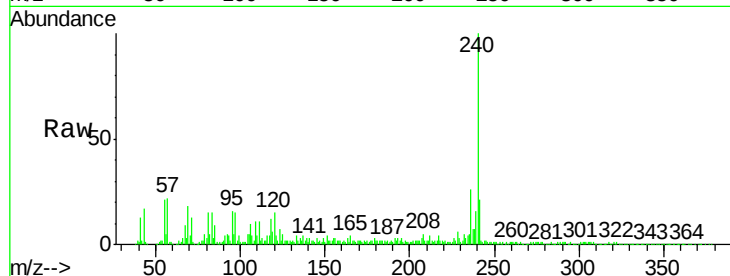
ClientSampled :

S3

Tot Ion:	240	Resp:	242970
Ion Ratio	Lower	Upper	
240	100		
120	14.6	9.5	14.3#
236	26.5	20.7	31.1

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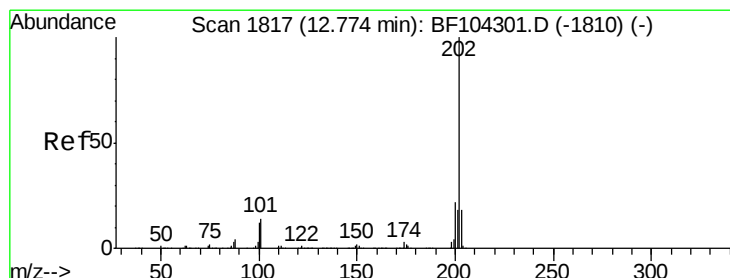
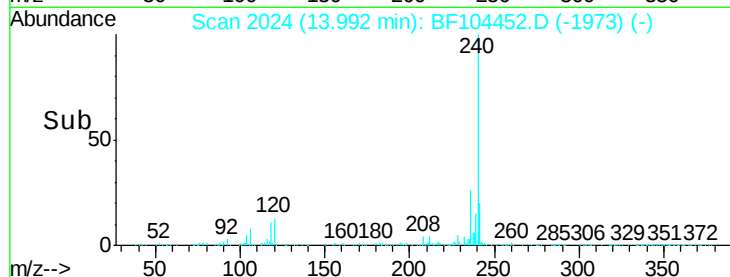
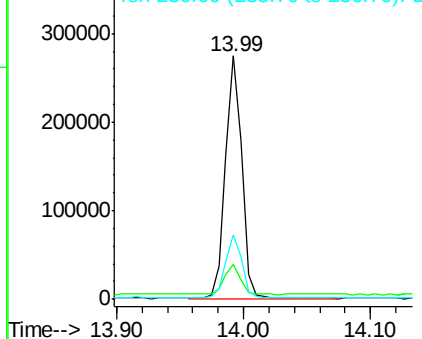
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 6.000 ng m

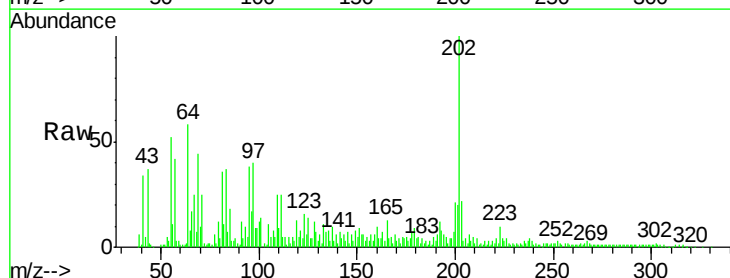
RT: 12.79 min Scan# 1820

Delta R.T. 0.01 min

Lab File: BF104452.D

Acq: 12 Apr 2018 15:48

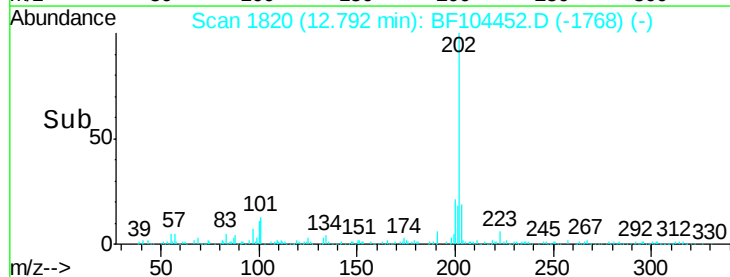
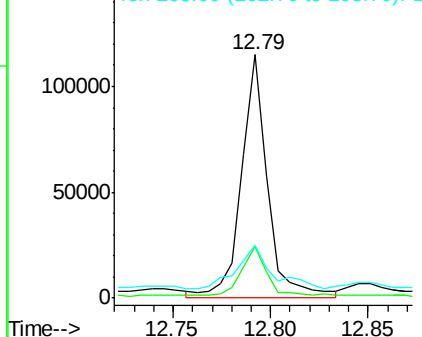
Tgt Ion:	202	Resp:	108059
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	21.5	14.3	21.5#

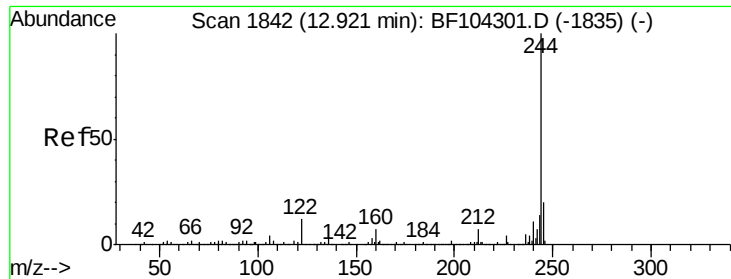


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 75.447 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.01 min

Lab File: BF104452.D

Acq: 12 Apr 2018 15:48

Instrument :

BNA_F

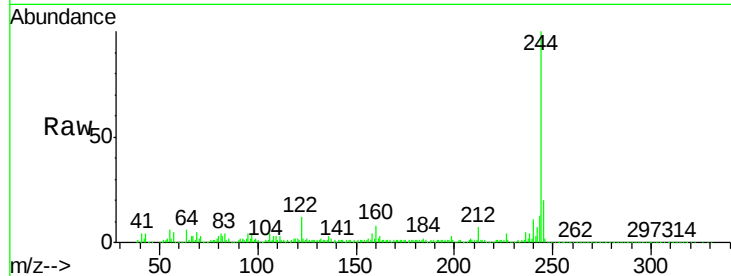
ClientSampled :

S3

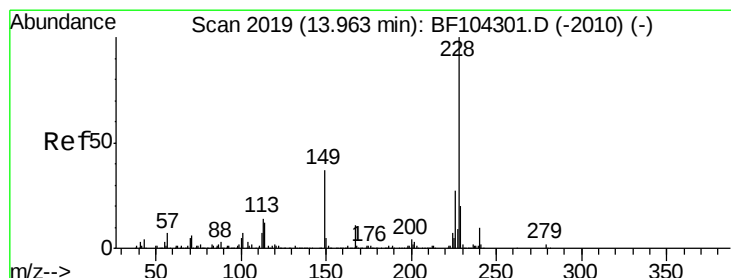
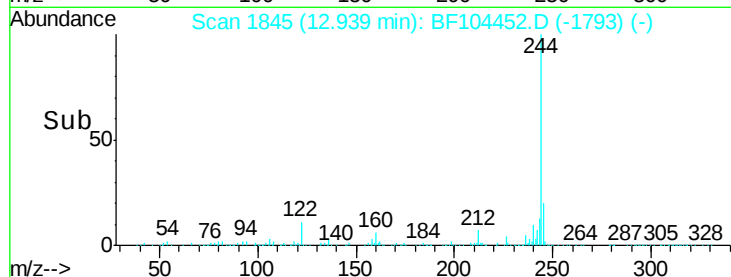
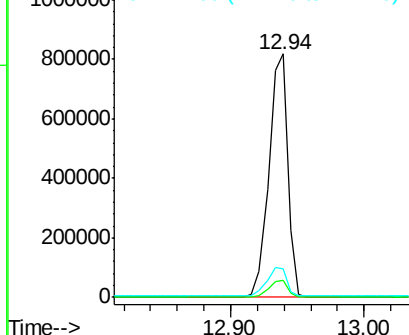
Tot Ion:	244	Resp:	804063
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.0
122	11.5	11.0	16.4

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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: 4.386 ng

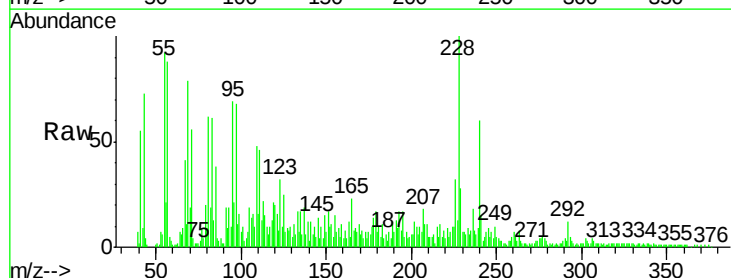
RT: 13.98 min Scan# 2022

Delta R.T. 0.00 min

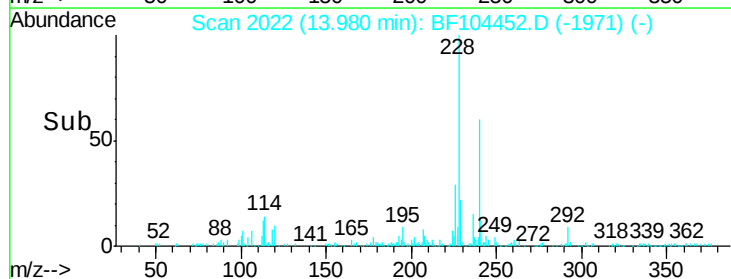
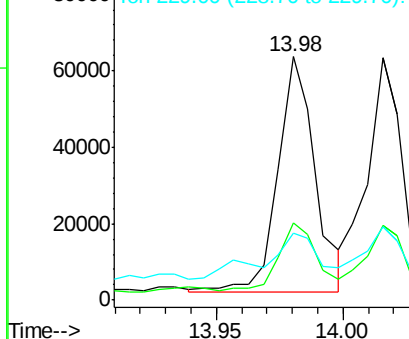
Lab File: BF104452.D

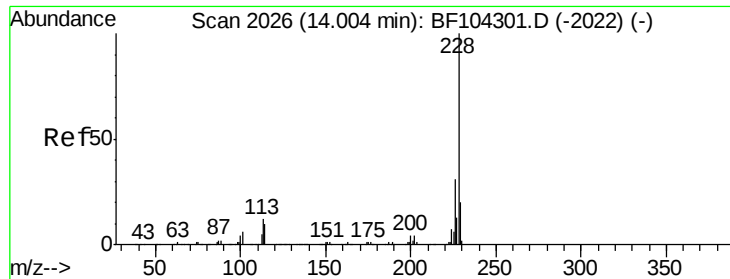
Acq: 12 Apr 2018 15:48

Tgt Ion:	228	Resp:	63660
Ion Ratio	Lower	Upper	
228	100		
226	31.6	22.6	33.8
229	27.6	15.8	23.6#



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





#82

Chrysene

Concen: 4.090 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF104452.D

Acq: 12 Apr 2018 15:48

Instrument :

BNA_F

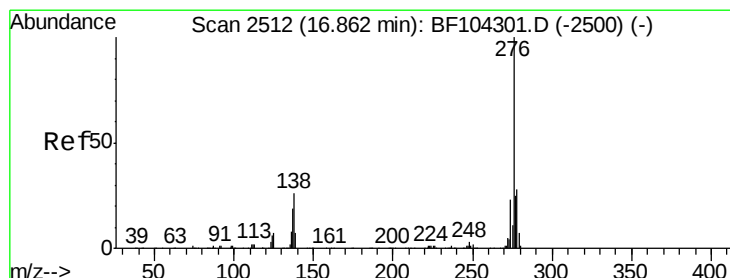
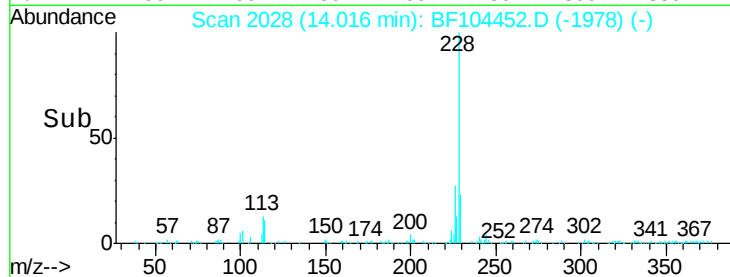
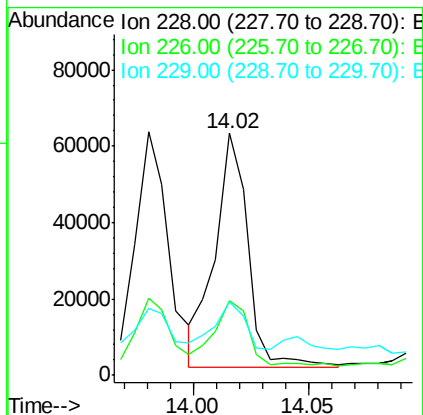
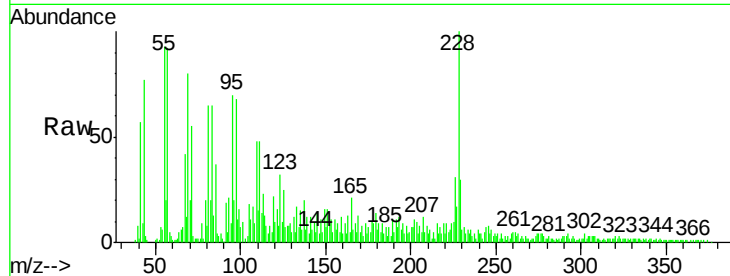
ClientSampled :

S3

Tot Ion:	228	Resp:	60977
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.0	37.6
229	30.2	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.168 ng

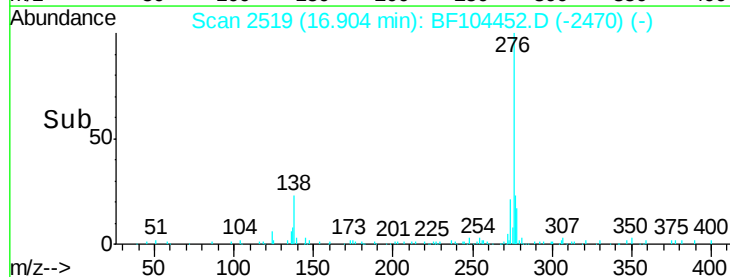
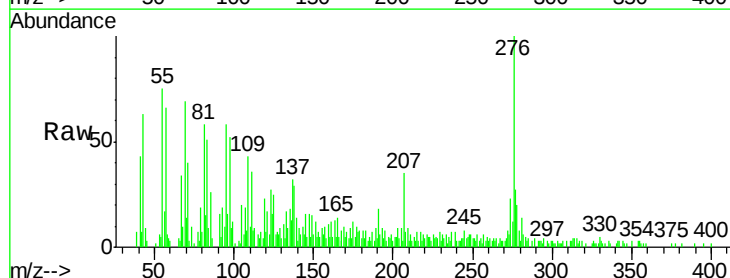
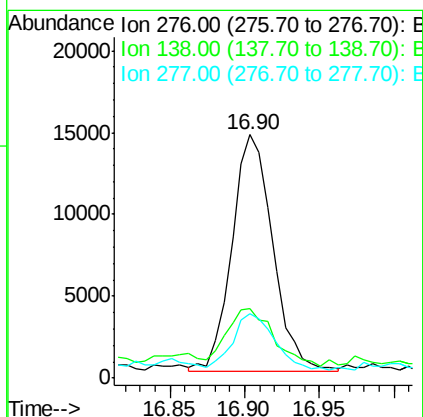
RT: 16.90 min Scan# 2519

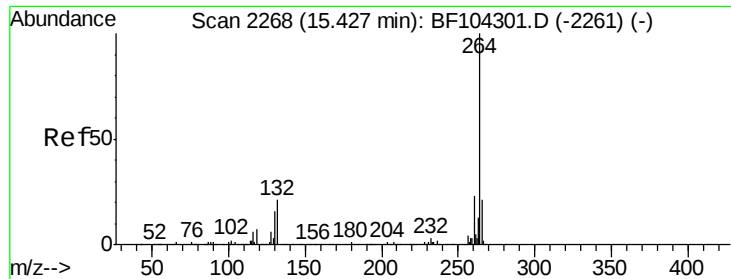
Delta R.T. -0.01 min

Lab File: BF104452.D

Acq: 12 Apr 2018 15:48

Tgt Ion:	276	Resp:	27462
Ion Ratio	Lower	Upper	
276	100		
138	28.0	25.0	37.6
277	24.1	20.1	30.1





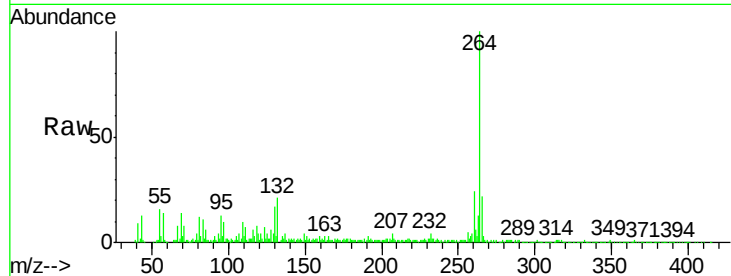
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF104452.D
Acq: 12 Apr 2018 15:48

Instrument :
BNA_F
ClientSampled :
S3

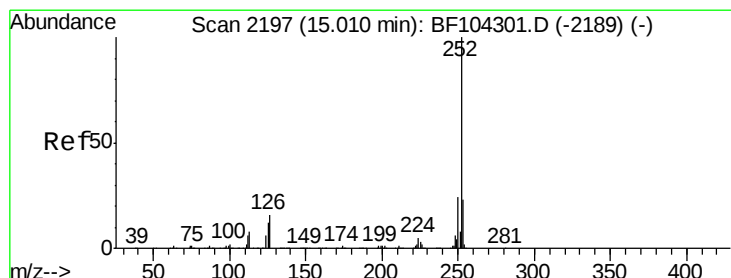
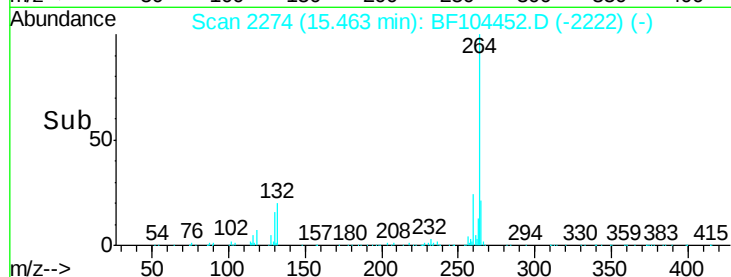
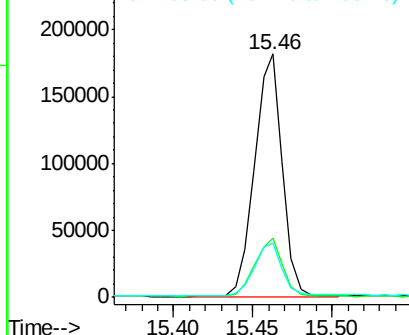
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.1	17.5	26.3

Manual Integrations
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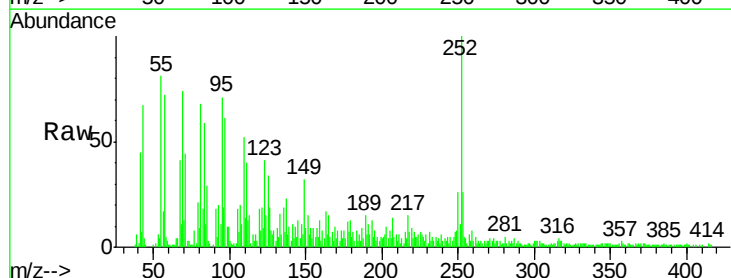


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

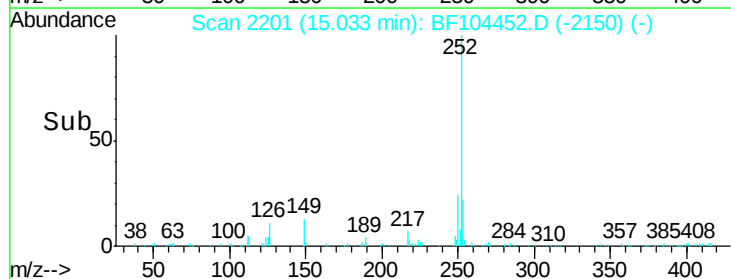
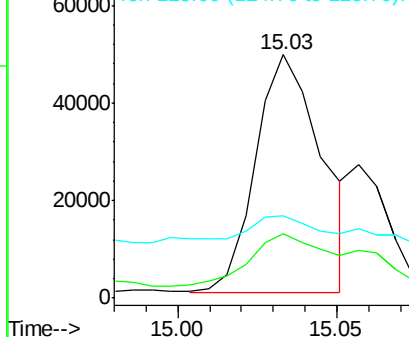


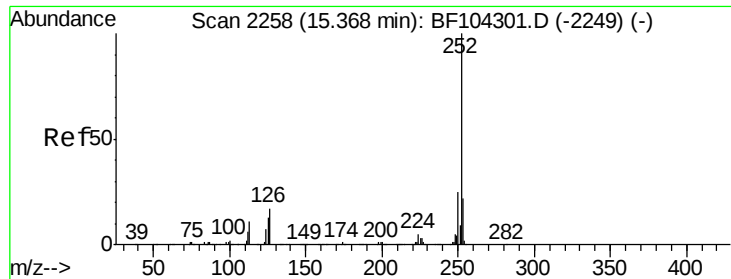
#87
Benzo(b)fluoranthene
Concen: 5.102 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.00 min
Lab File: BF104452.D
Acq: 12 Apr 2018 15:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.0	25.6#
125	33.9	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





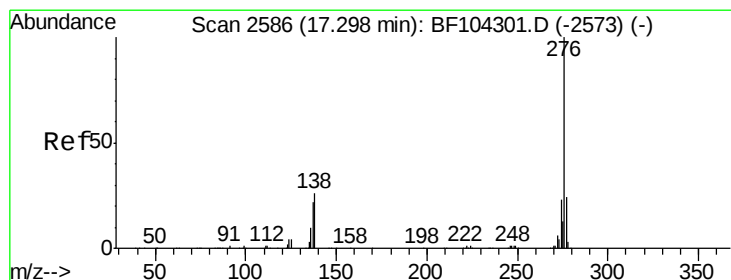
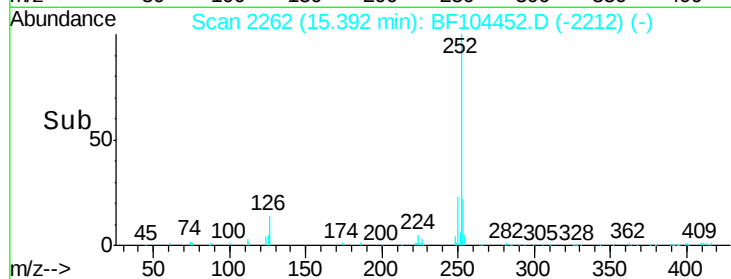
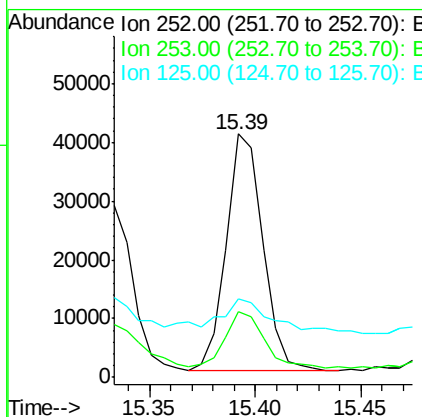
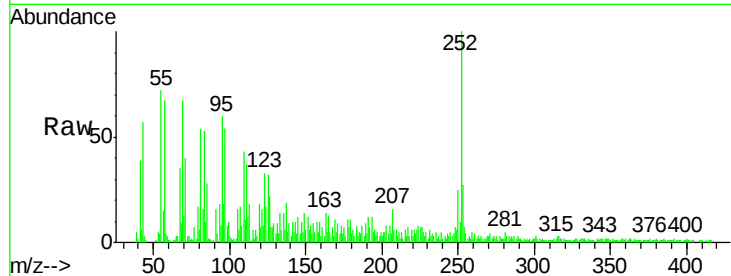
#89
Benzo(a)pyrene
Concen: 3.904 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BF104452.D
Acq: 12 Apr 2018 15:48

Instrument :
BNA_F
ClientSampled :
S3

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.1	25.7#
125	32.4	9.8	14.6#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.629 ng
RT: 17.34 min Scan# 2594
Delta R.T. -0.02 min
Lab File: BF104452.D
Acq: 12 Apr 2018 15:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.6	17.9	26.9#
138	25.6	21.8	32.8

