

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF022818\
 Data File : BF103308.D
 Acq On : 28 Feb 2018 22:04
 Operator : SJ/JU
 Sample : J1716-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-10-17

Manual Integrations
 APPROVED

Sohil
 3/1/2018 11:43:21 AM

Quant Time: Mar 01 01:12:30 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	163910	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	686957	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	285228	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	385101	20.00	ng	0.00
75) Chrysene-d12	14.06	240	252603	20.00	ng	0.00
86) Perylene-d12	15.56	264	239213	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1081969	99.84	ng	0.00
7) Phenol-d6	6.51	99	1282794	96.73	ng	0.00
23) Nitrobenzene-d5	7.44	82	864001	71.83	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	179737	74.45	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1098313	62.13	ng	0.00
78) Terphenyl-d14	12.99	244	642073	61.10	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.62	163	148964	6.510	ng	99
70) Phenanthrene	11.43	178	329165	15.532	ng	99
71) Anthracene	11.48	178	83719	3.852	ng	98
74) Fluoranthene	12.62	202	345803	16.237	ng	99
77) Pyrene	12.85	202	396806	20.148	ng	100
80) Benzo(a)anthracene	14.04	228	169026m	10.313	ng	
82) Chrysene	14.08	228	171775m	10.794	ng	
85) Indeno(1,2,3-cd)pyrene	17.09	276	58865	4.672	ng	95
87) Benzo(b)fluoranthene	15.12	252	183192m	11.647	ng	
88) Benzo(k)fluoranthene	15.14	252	46687m	3.152	ng	
89) Benzo(a)pyrene	15.50	252	133888	9.533	ng	# 92
91) Benzo(a,h,i)perylene	17.55	276	62663	5.908	ng	93

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

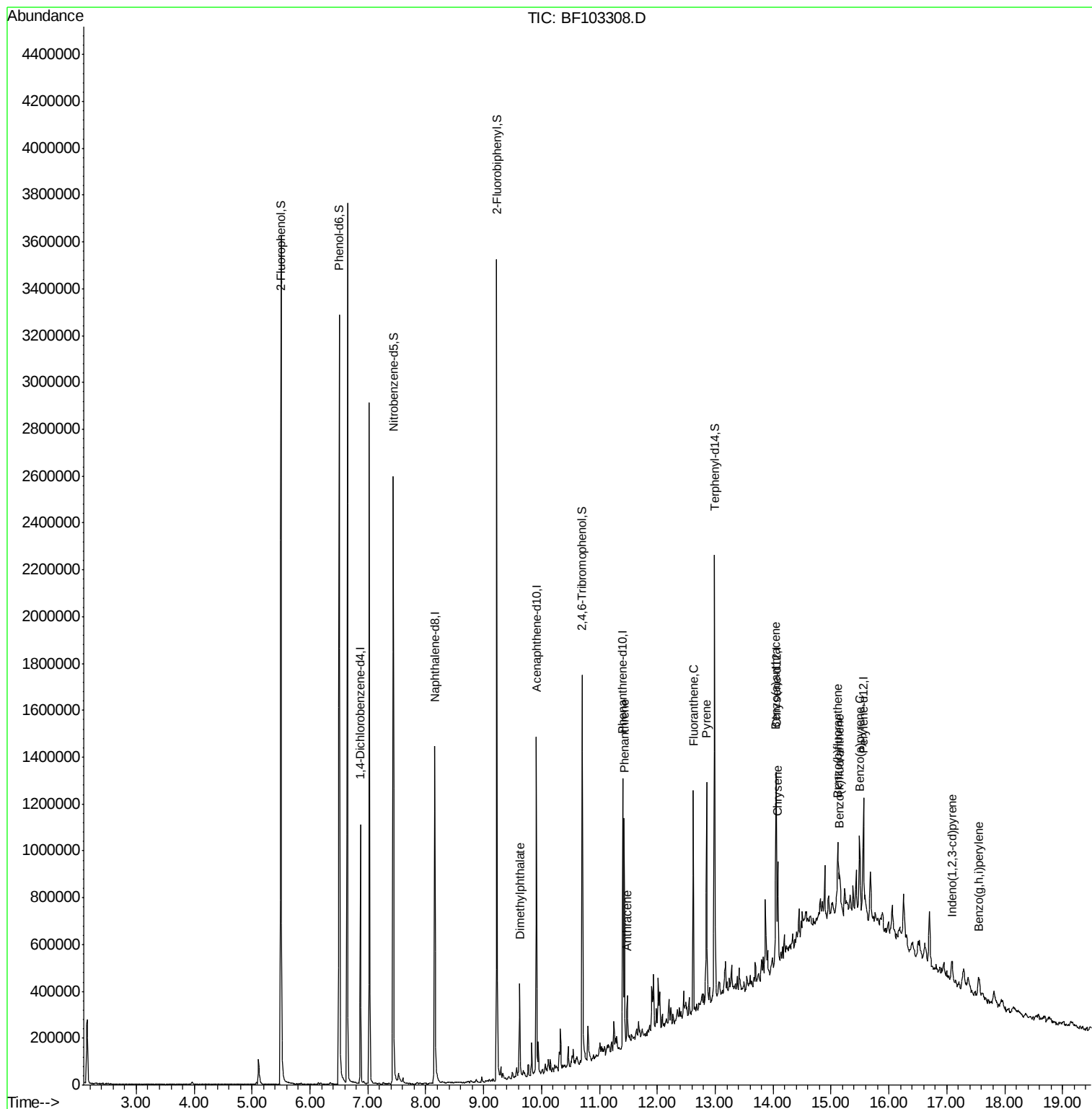
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103308.D
Acq On : 28 Feb 2018 22:04
Operator : SJ/JU
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#1

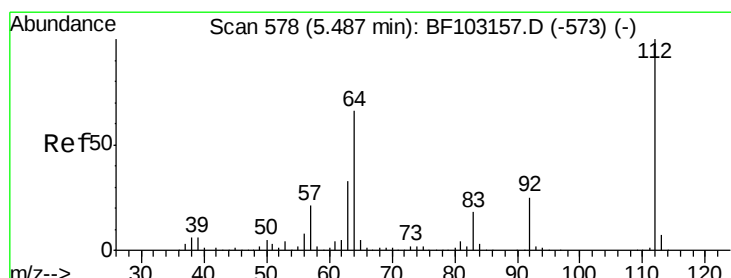
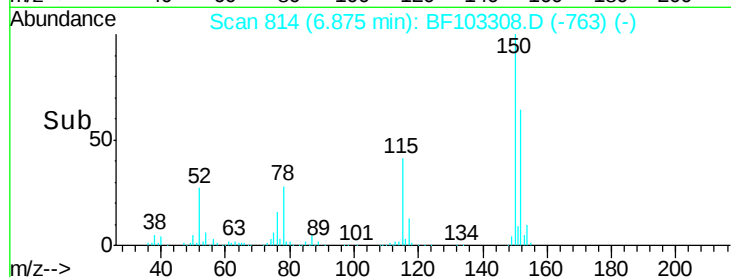
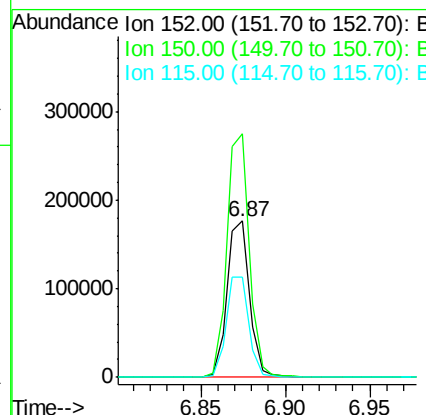
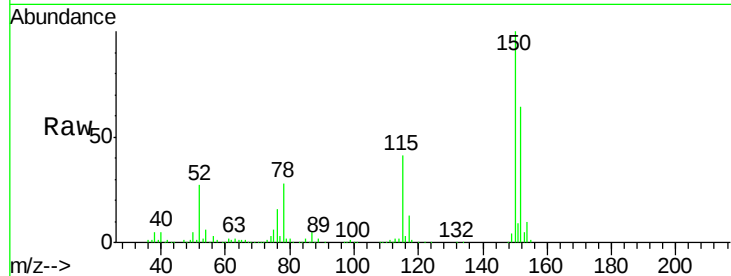
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF103308.D
Acq: 28 Feb 2018 22:04

Instrument :
BNA_F
ClientSampleId :
SB-08-10-17

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.6	186.8
115	64.1	50.1	75.1

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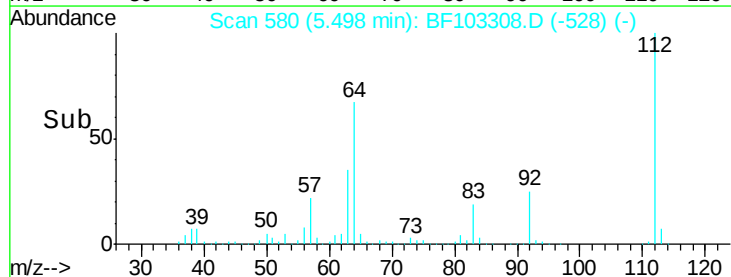
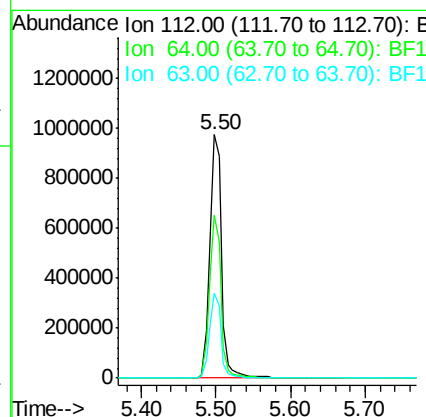
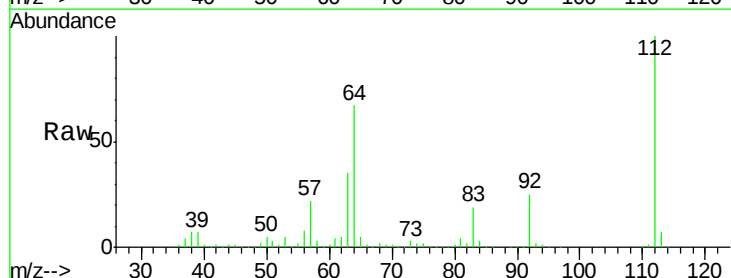
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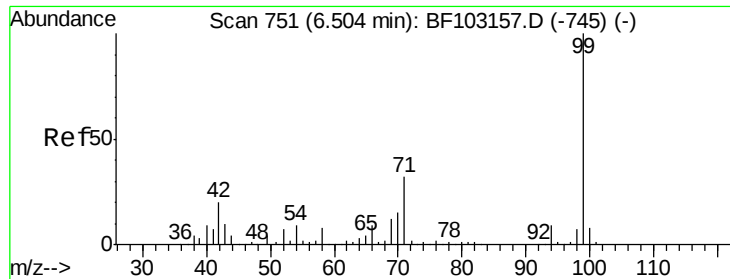


#5

2-Fluorophenol
Concen: 99.835 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103308.D
Acq: 28 Feb 2018 22:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.1	47.9	71.9
63	35.0	23.7	35.5





#7

Phenol-d6

Concen: 96.732 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF103308.D

Acq: 28 Feb 2018 22:04

Instrument :

BNA_F

ClientSampled :

SB-08-10-17

Tot Ion: 99 Resp: 1282794

Ion Ratio Lower Upper

99 100

42 20.6 14.5 21.7

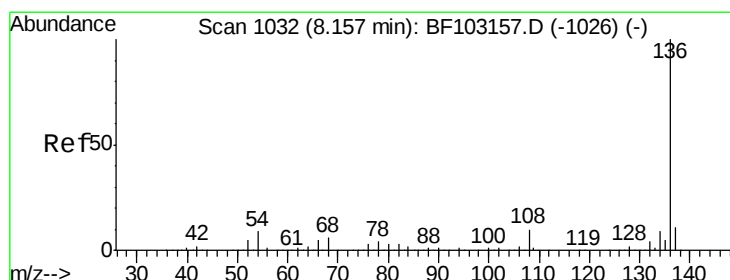
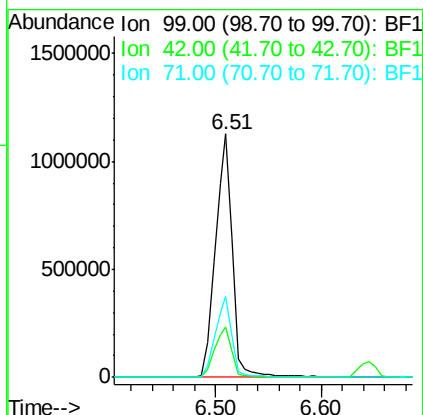
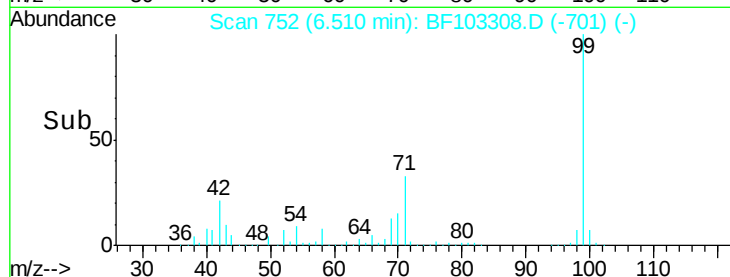
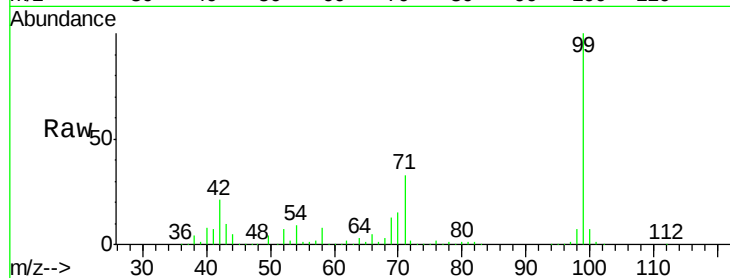
71 33.2 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF103308.D

Acq: 28 Feb 2018 22:04

Tgt Ion: 136 Resp: 686957

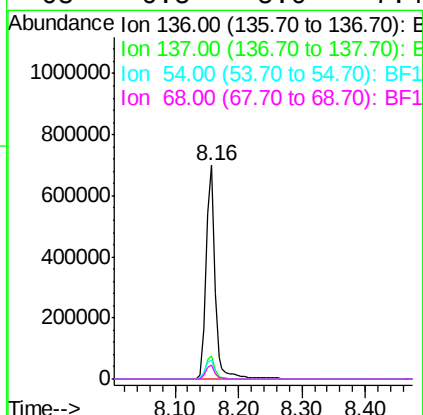
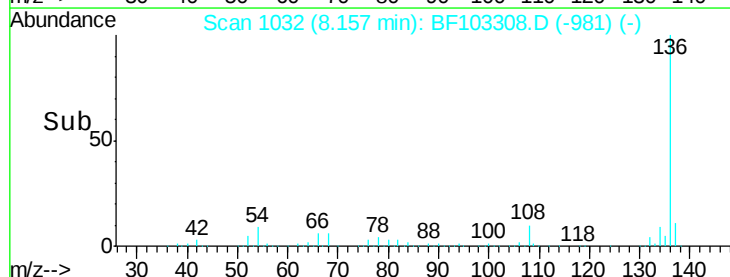
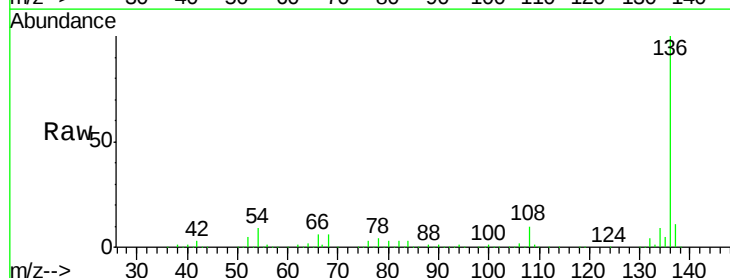
Ion Ratio Lower Upper

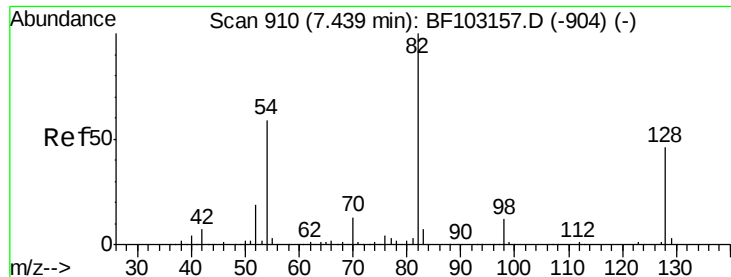
136 100

137 10.9 8.9 13.3

54 9.0 6.6 9.8

68 6.5 5.0 7.4





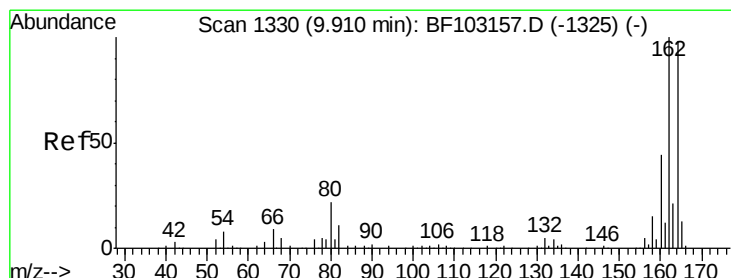
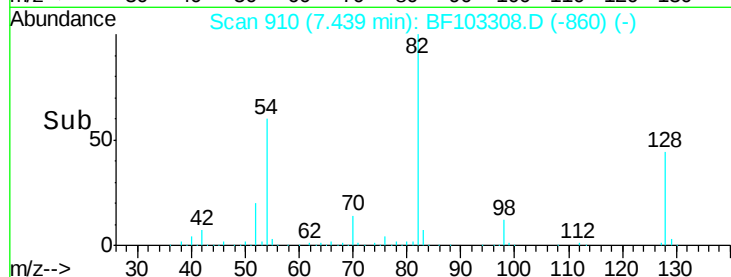
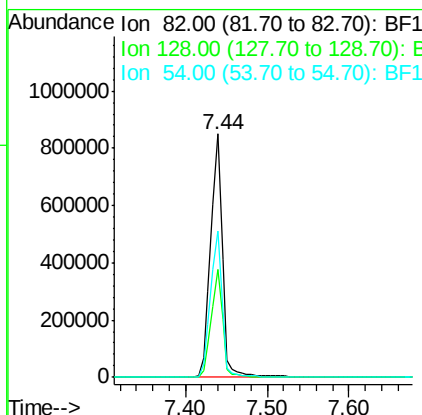
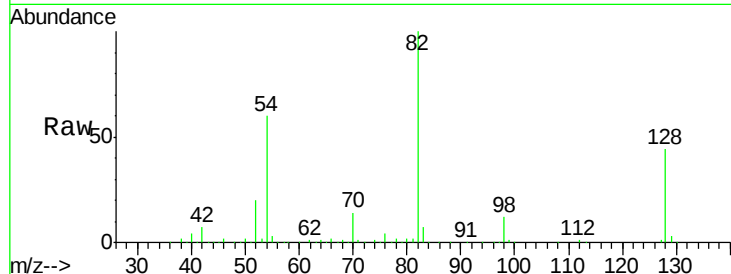
#23
 Nitrobenzene-d5
 Concen: 71.827 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF103308.D
 Acq: 28 Feb 2018 22:04

Instrument :
 BNA_F
 ClientSampled :
 SB-08-10-17

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.2	36.1	54.1
54	59.9	41.4	62.2

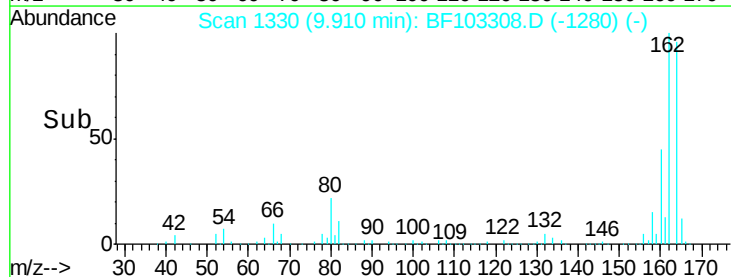
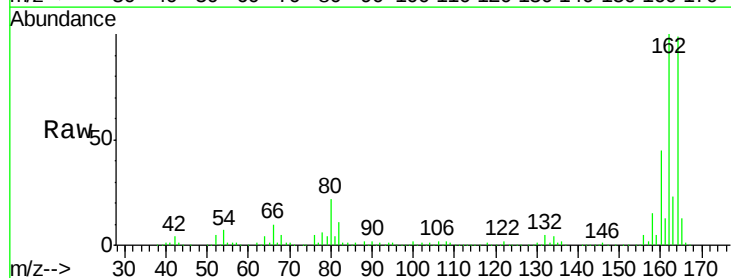
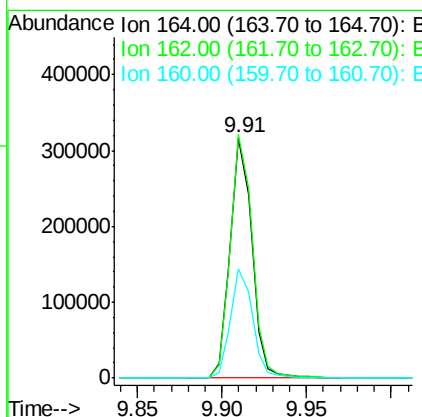
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF103308.D
 Acq: 28 Feb 2018 22:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	86.1	129.1
160	45.2	38.3	57.5





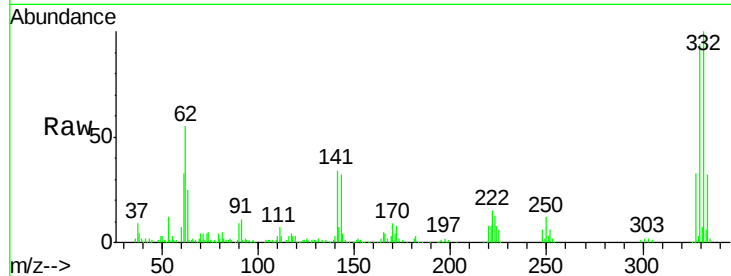
#41
 2,4,6-Tribromophenol
 Concen: 74.447 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF103308.D
 Acq: 28 Feb 2018 22:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-10-17

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	105.5	77.0	115.6	
141	46.3	29.9	44.9	

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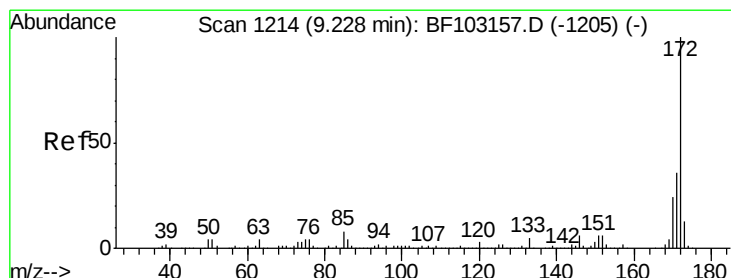
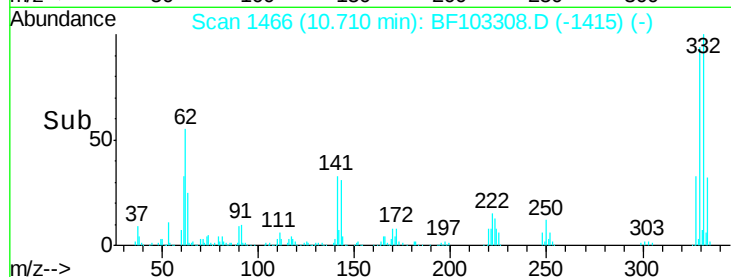
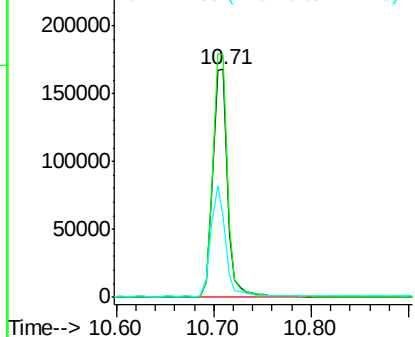


Abundance

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: 62.130 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103308.D
 Acq: 28 Feb 2018 22:04

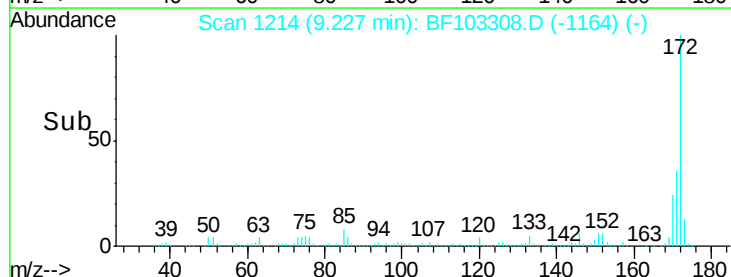
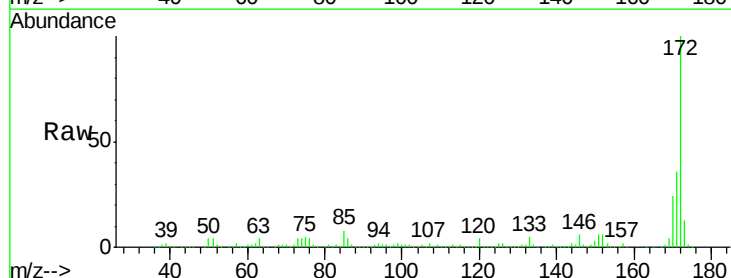
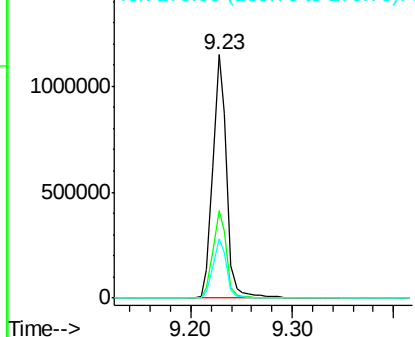
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.8	29.7	44.5	
170	24.4	19.6	29.4	

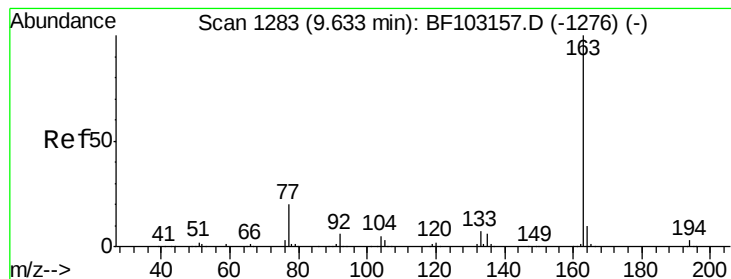
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 6.510 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF103308.D

Acq: 28 Feb 2018 22:04

Instrument :

BNA_F

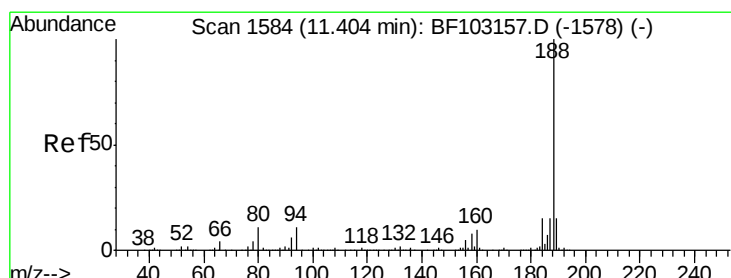
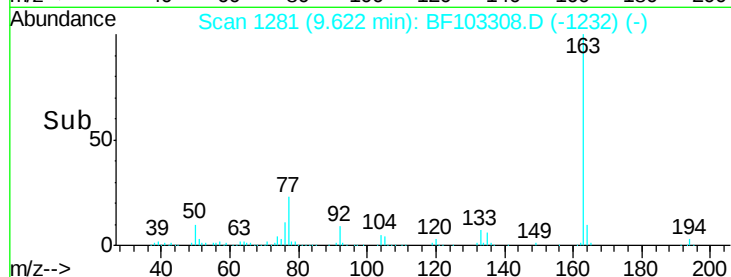
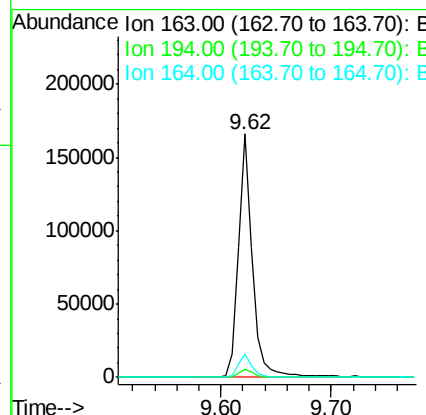
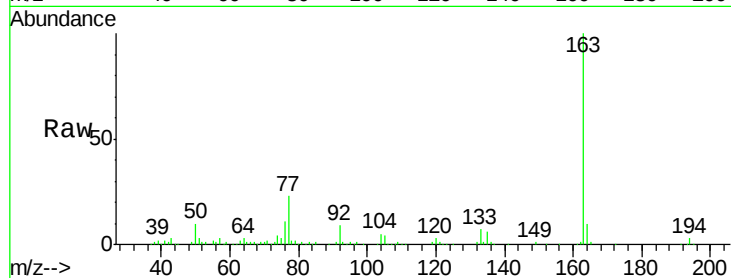
ClientSampleId :

SB-08-10-17

Tot Ion:	163	Resp:	148964
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.7	4.1
164	9.8	8.2	12.2

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#63

Phenanthrene-d10

Concen: 20.000 ng

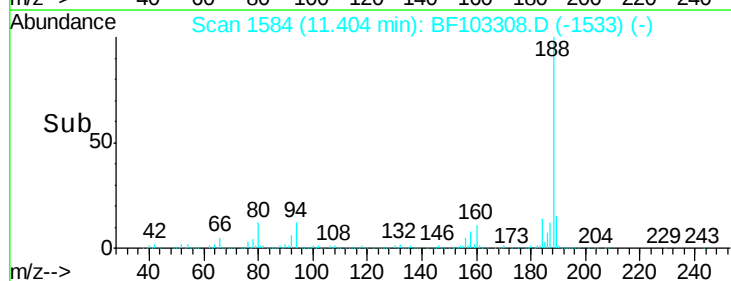
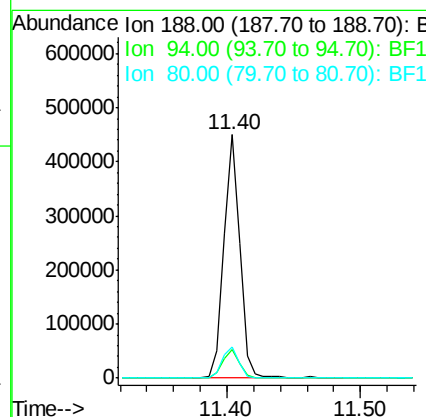
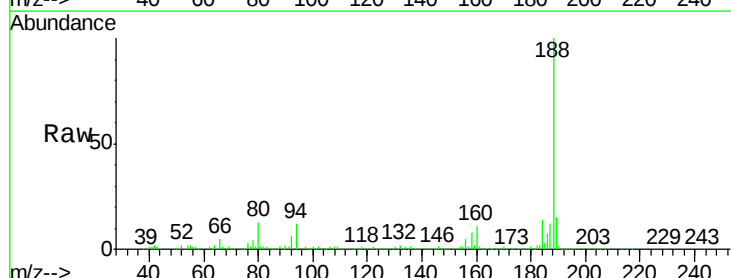
RT: 11.40 min Scan# 1584

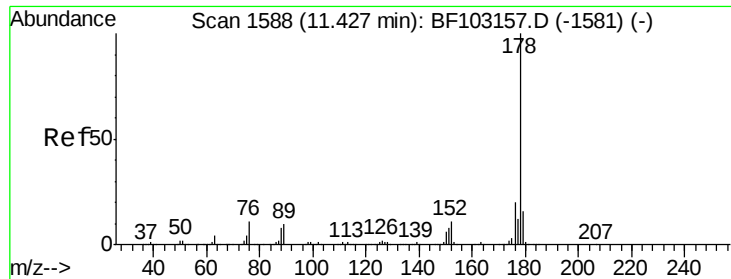
Delta R.T. -0.00 min

Lab File: BF103308.D

Acq: 28 Feb 2018 22:04

Tgt Ion:	188	Resp:	385101
Ion Ratio	Lower	Upper	
188	100		
94	11.9	8.5	12.7
80	12.6	9.2	13.8





#70

Phenanthrene

Concen: 15.532 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF103308.D

Acq: 28 Feb 2018 22:04

Instrument :

BNA_F

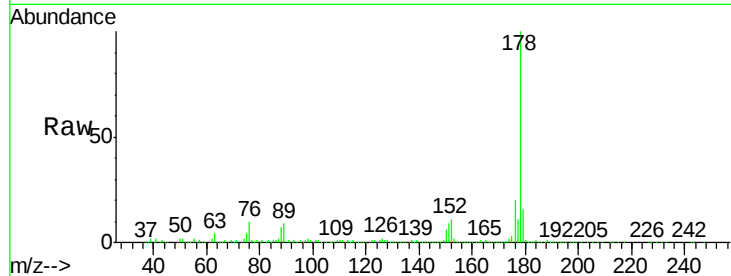
ClientSampled :

SB-08-10-17

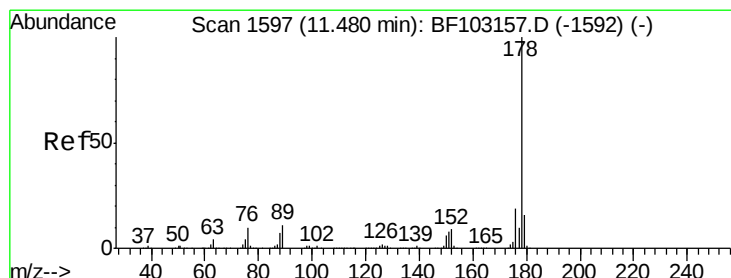
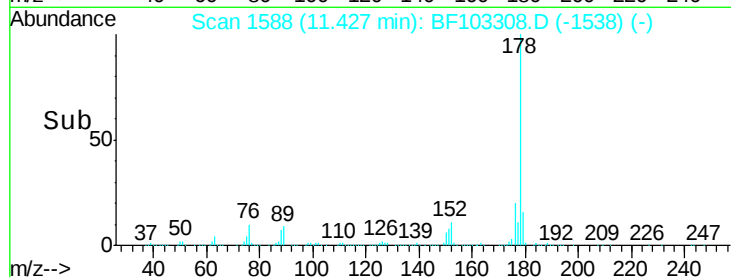
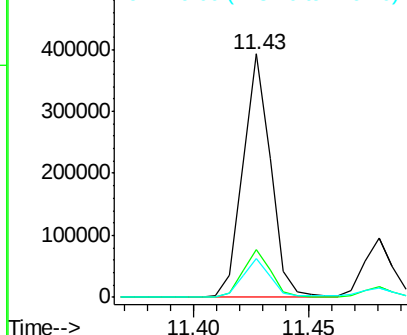
Tot Ion:178	Resp:	329165
Ion Ratio	Lower	Upper
178	100	
176	19.8	15.8 23.8
179	15.7	13.0 19.6

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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: 3.852 ng

RT: 11.48 min Scan# 1597

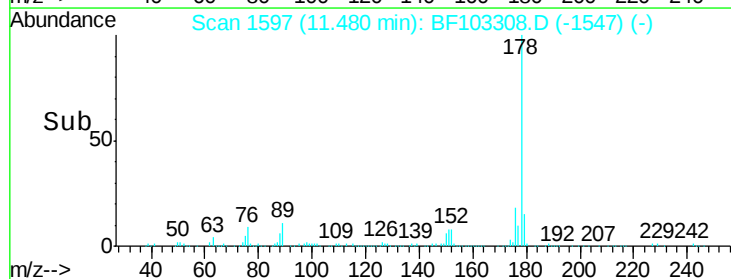
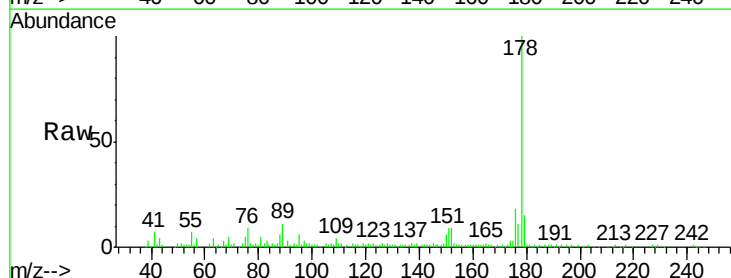
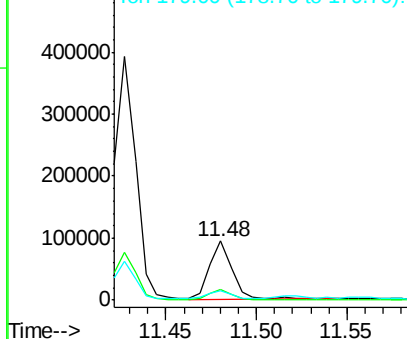
Delta R.T. -0.01 min

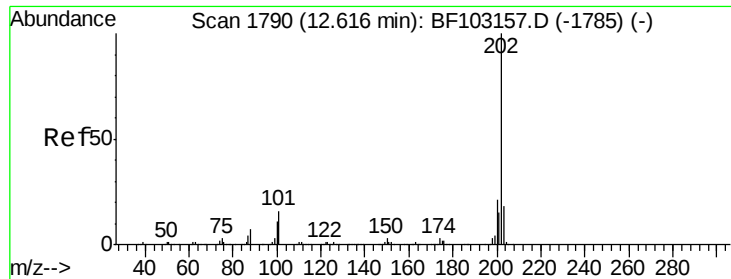
Lab File: BF103308.D

Acq: 28 Feb 2018 22:04

Tgt Ion:178	Resp:	83719
Ion Ratio	Lower	Upper
178	100	
176	18.4	15.4 23.2
179	15.3	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: 16.237 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BF103308.D

Acq: 28 Feb 2018 22:04

Instrument :

BNA_F

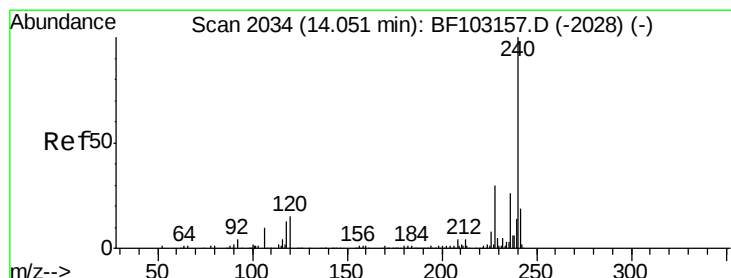
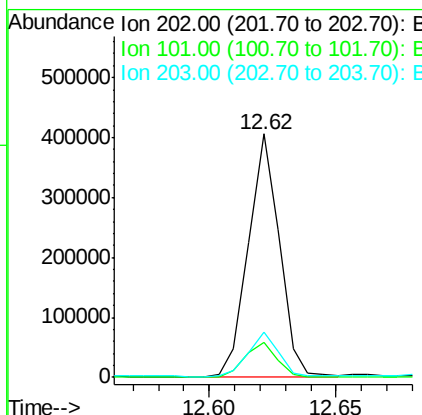
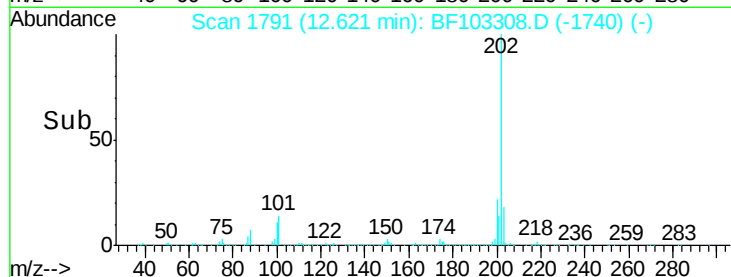
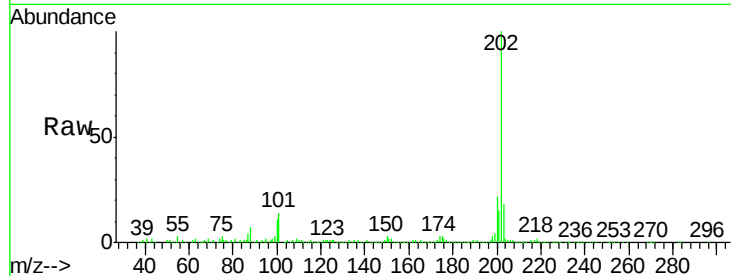
ClientSampleId :

SB-08-10-17

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	14.5	0.0	34.1	
203	18.4	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

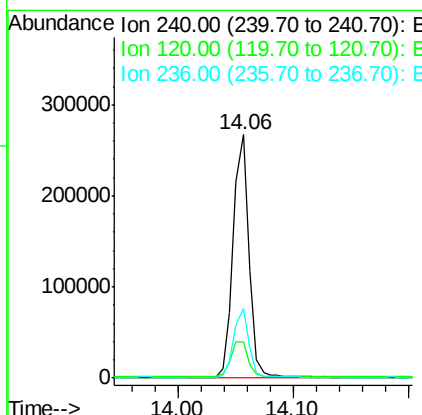
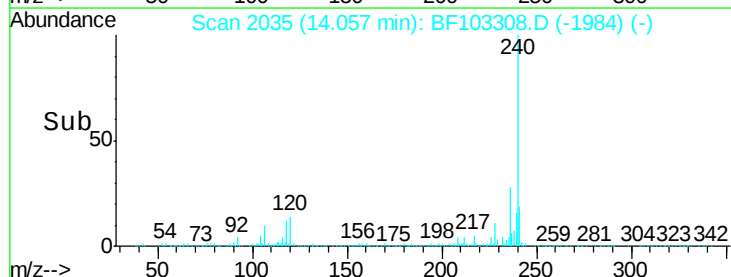
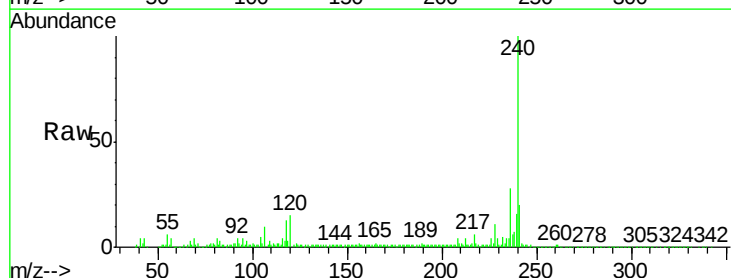
RT: 14.06 min Scan# 2035

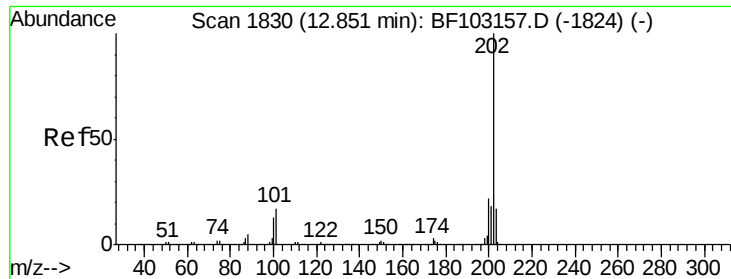
Delta R.T. -0.00 min

Lab File: BF103308.D

Acq: 28 Feb 2018 22:04

Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	14.9	9.5	14.3#	
236	28.4	20.7	31.1	





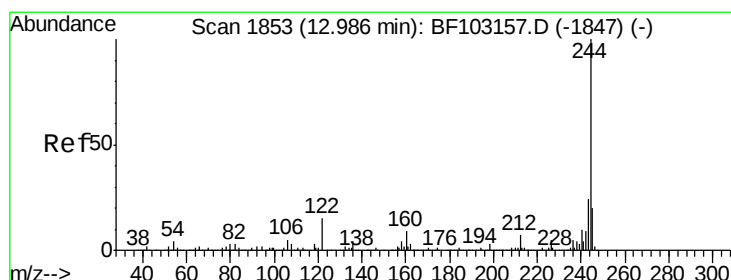
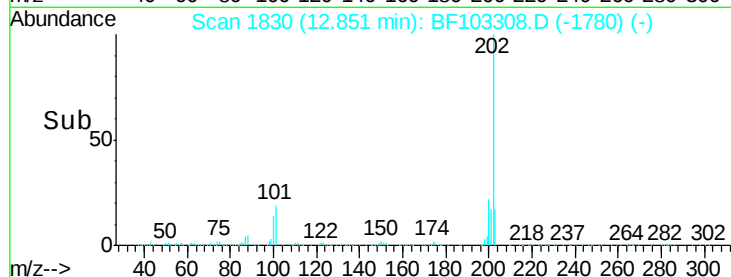
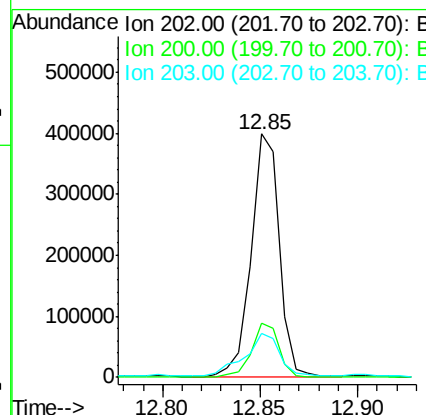
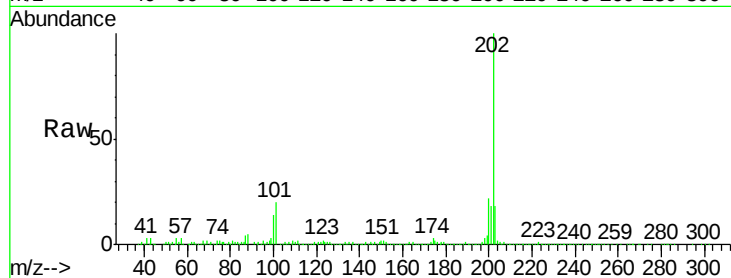
#77
Pvrene
Concen: 20.148 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF103308.D
Acq: 28 Feb 2018 22:04

Instrument :
BNA_F
ClientSampleId :
SB-08-10-17

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.1	17.4	26.2
203	17.9	14.3	21.5

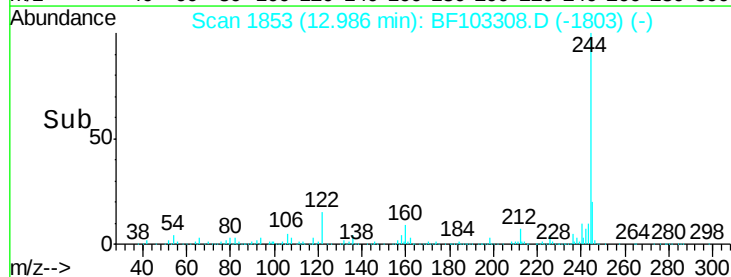
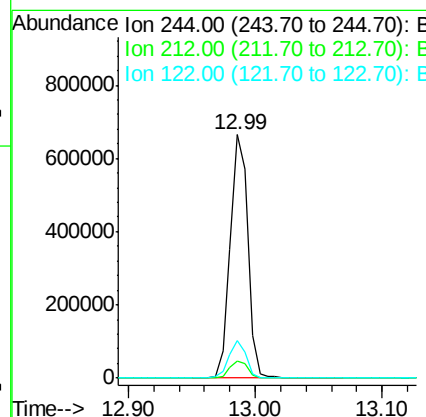
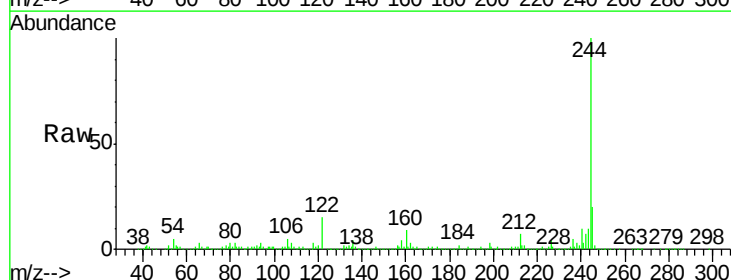
Manual Integrations
APPROVED

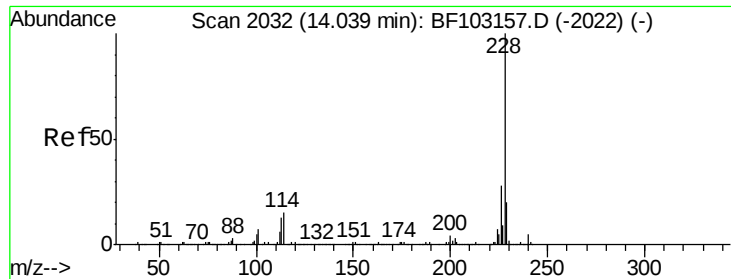
Sohil
3/1/2018 11:43:21 AM



#78
Terphenyl-d14
Concen: 61.102 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BF103308.D
Acq: 28 Feb 2018 22:04

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.2	5.4	8.0
122	15.4	11.0	16.4





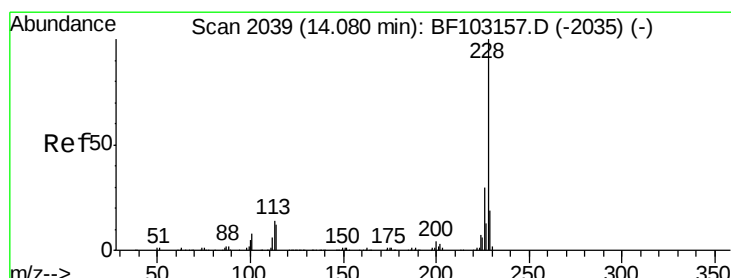
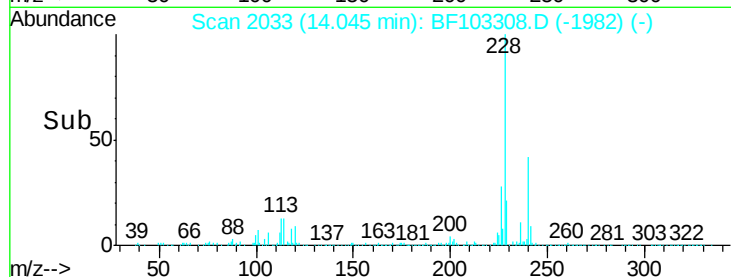
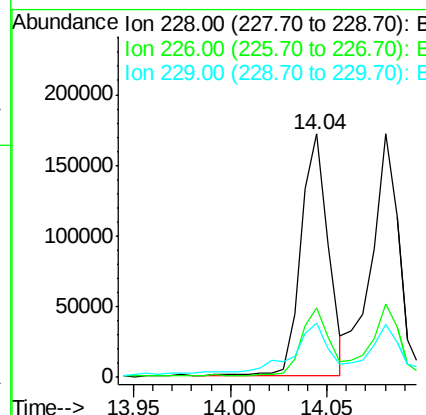
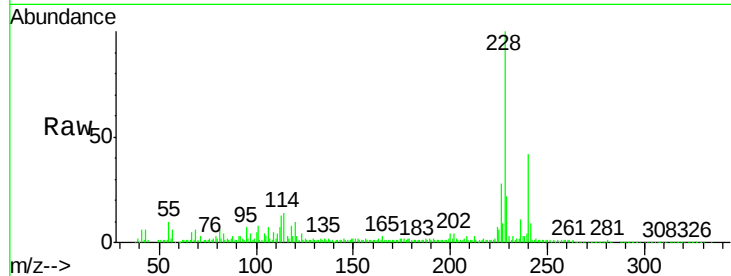
#80
Benzo(a)anthracene
Concen: 10.313 ng m
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF103308.D
Acq: 28 Feb 2018 22:04

Instrument :
BNA_F
ClientSampleId :
SB-08-10-17

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	22.2	15.8	23.6

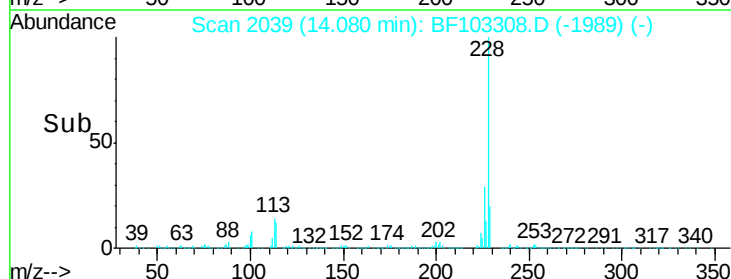
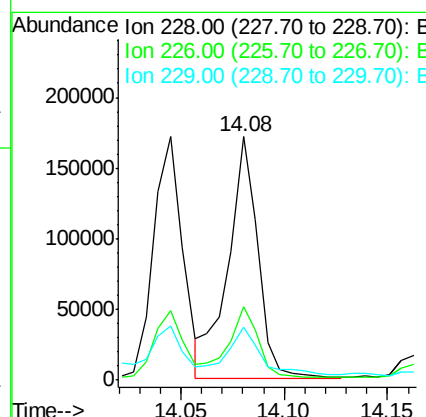
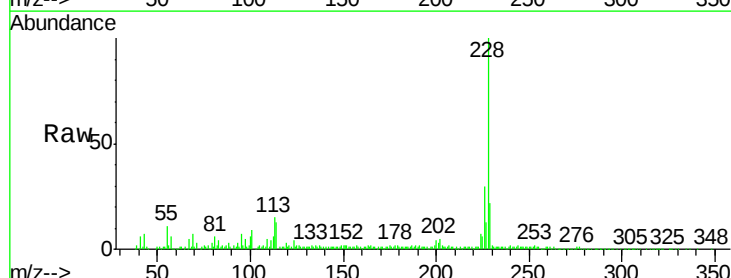
Manual Integrations
APPROVED

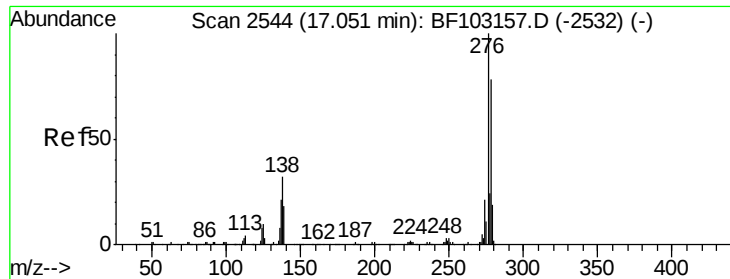
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#82
Chrysene
Concen: 10.794 ng m
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103308.D
Acq: 28 Feb 2018 22:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	21.9	16.2	24.4





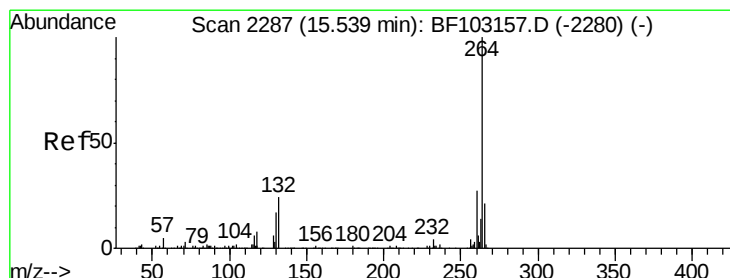
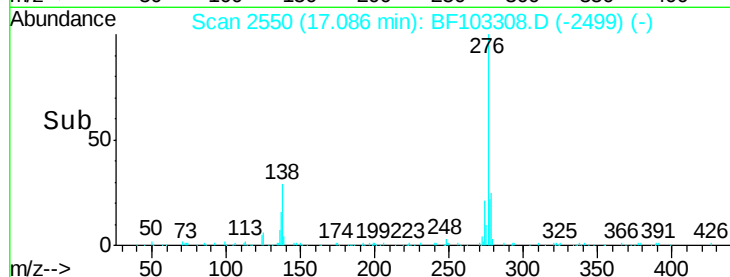
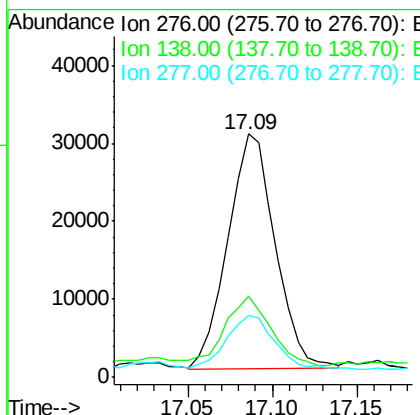
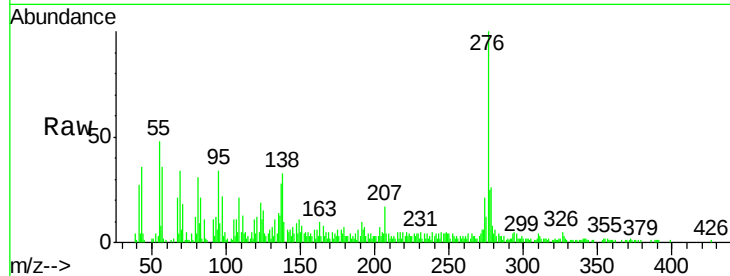
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.672 ng
RT: 17.09 min Scan# 2550
Delta R.T. -0.00 min
Lab File: BF103308.D
Acq: 28 Feb 2018 22:04

Instrument :
BNA_F
ClientSampled :
SB-08-10-17

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.1	25.0	37.6
277	23.6	20.1	30.1

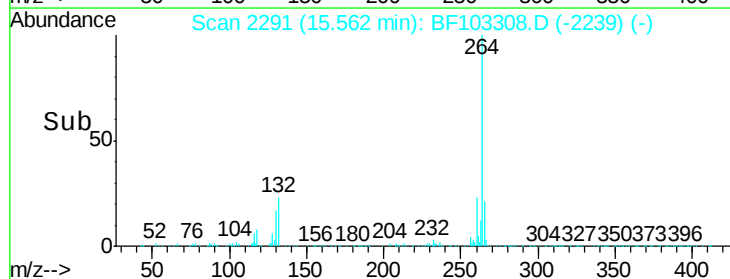
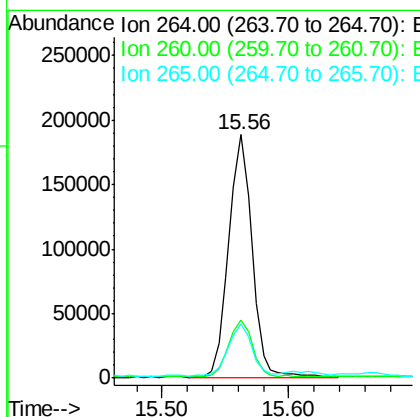
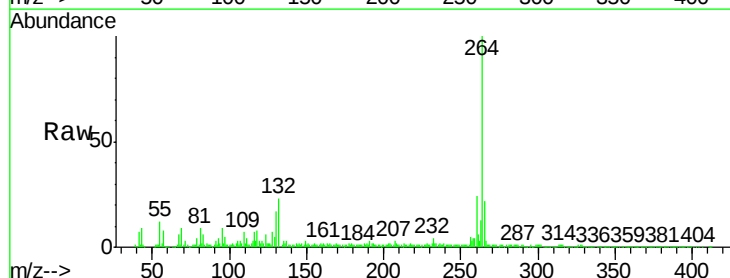
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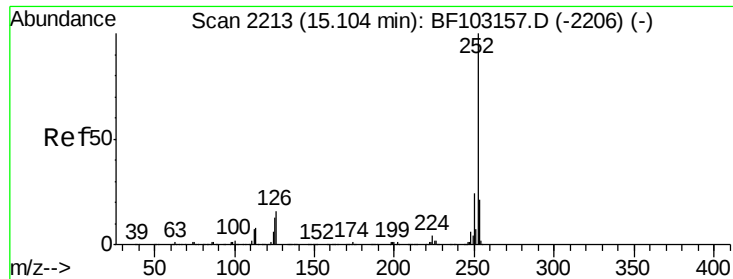
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. 0.01 min
Lab File: BF103308.D
Acq: 28 Feb 2018 22:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.0	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 11.647 ng m

RT: 15.12 min Scan# 2216

Delta R.T. 0.01 min

Lab File: BF103308.D

Acq: 28 Feb 2018 22:04

Instrument :

BNA_F

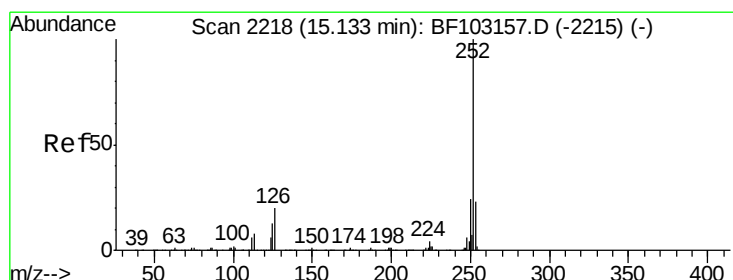
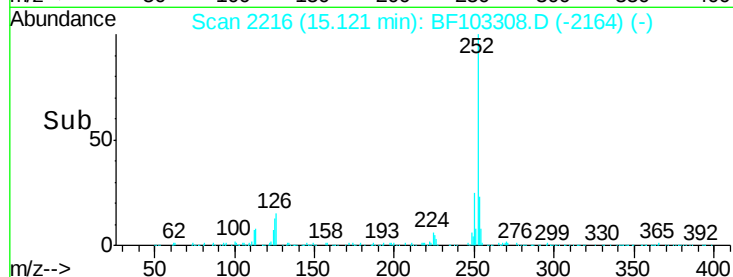
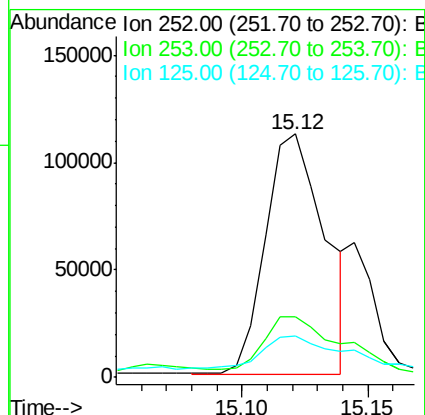
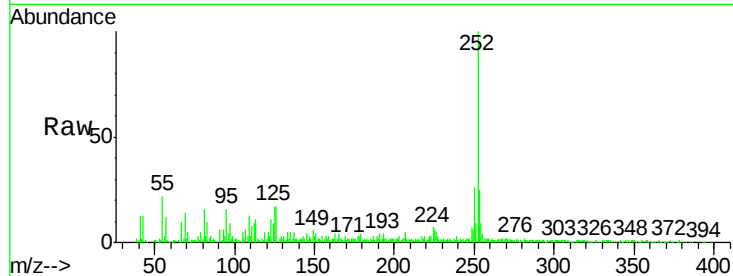
ClientSampleId :

SB-08-10-17

Tot Ion:	252	Resp:	183192
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.0	25.6
125	16.9	9.0	13.6#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 3.152 ng m

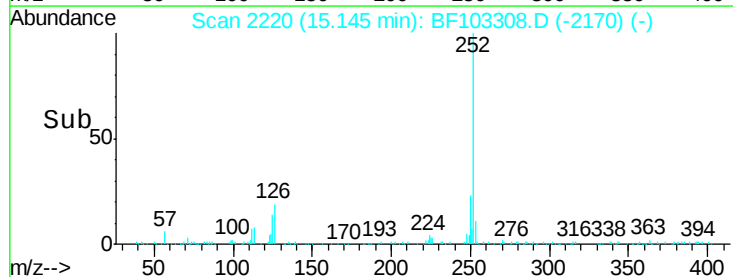
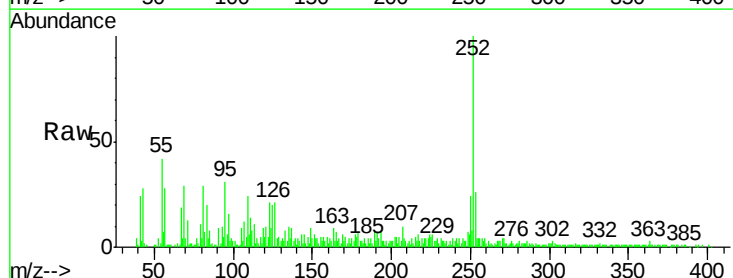
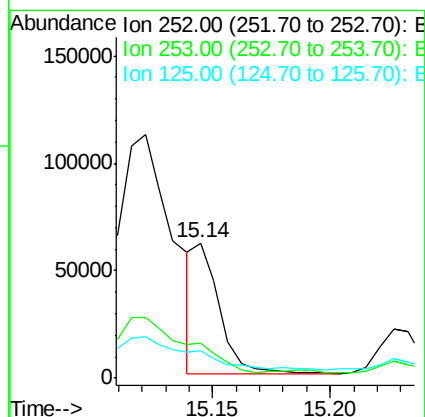
RT: 15.14 min Scan# 2220

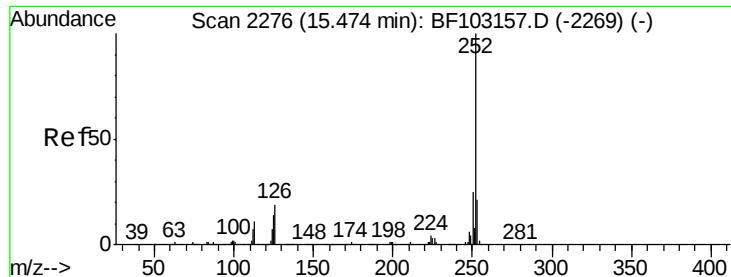
Delta R.T. -0.01 min

Lab File: BF103308.D

Acq: 28 Feb 2018 22:04

Tgt Ion:	252	Resp:	46687
Ion Ratio	Lower	Upper	
252	100		
253	25.6	17.9	26.9
125	20.2	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 9.533 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.00 min

Lab File: BF103308.D

Acq: 28 Feb 2018 22:04

Instrument :

BNA_F

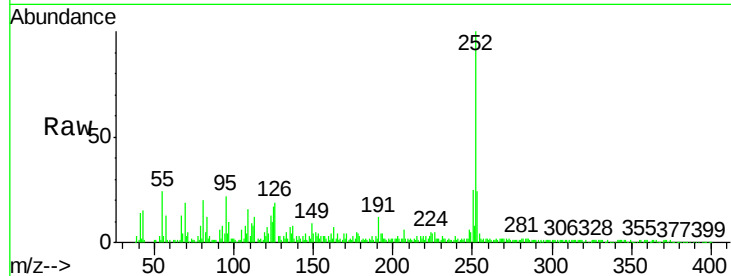
ClientSampleId :

SB-08-10-17

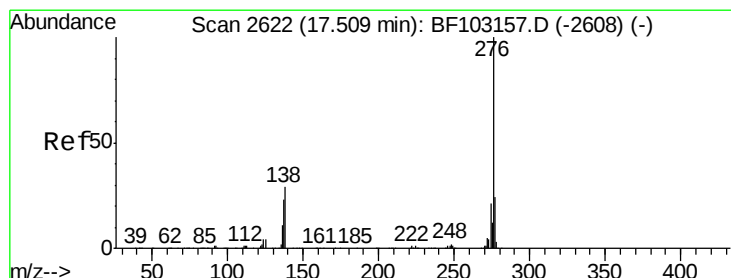
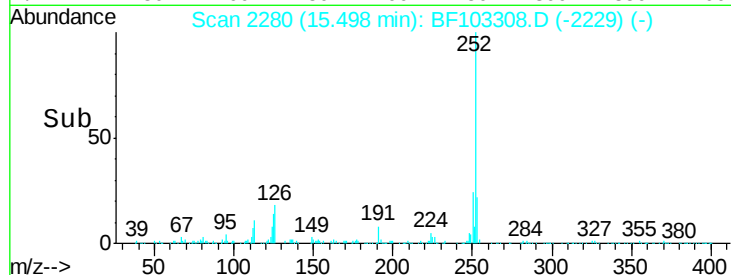
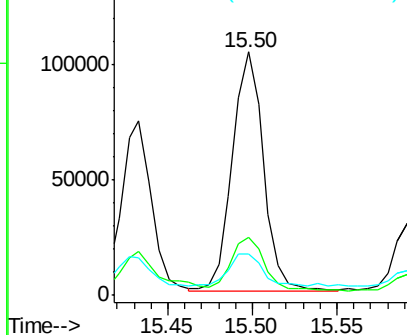
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	16.9	9.8	14.6

Manual Integrations
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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: 5.908 ng

RT: 17.55 min Scan# 2629

Delta R.T. 0.01 min

Lab File: BF103308.D

Acq: 28 Feb 2018 22:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	17.9	26.9
138	31.7	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

