

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF022818\
 Data File : BF103307.D
 Acq On : 28 Feb 2018 21:38
 Operator : SJ/JU
 Sample : J1716-04 20X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-12-16

Manual Integrations
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 3/1/2018 11:43:19 AM

Quant Time: Mar 01 01:09:16 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	151612	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	628091	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	255420	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	317575	20.00	ng	0.00
75) Chrysene-d12	14.05	240	235376	20.00	ng	0.00
86) Perylene-d12	15.55	264	243927	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	71297	7.11	ng	0.00
7) Phenol-d6	6.51	99	84950	6.93	ng	0.00
23) Nitrobenzene-d5	7.44	82	53401	4.86	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	8974	4.15	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	82244	2.04	ng	0.00
78) Terphenyl-d14	12.99	244	42065	4.30	ng	0.00
Target Compounds						
70) Phenanthrene	11.43	178	174463	9.982	ng	99
71) Anthracene	11.48	178	52075	2.906	ng	98
74) Fluoranthene	12.62	202	157408	8.963	ng	98
77) Pyrene	12.85	202	138134	7.527	ng	98
80) Benzo(a)anthracene	14.04	228	62696	4.105	ng	97
82) Chrysene	14.08	228	58629	3.954	ng	98
87) Benzo(b)fluoranthene	15.12	252	67783m	4.226	ng	
89) Benzo(a)pyrene	15.49	252	50040	3.494	ng	# 95

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

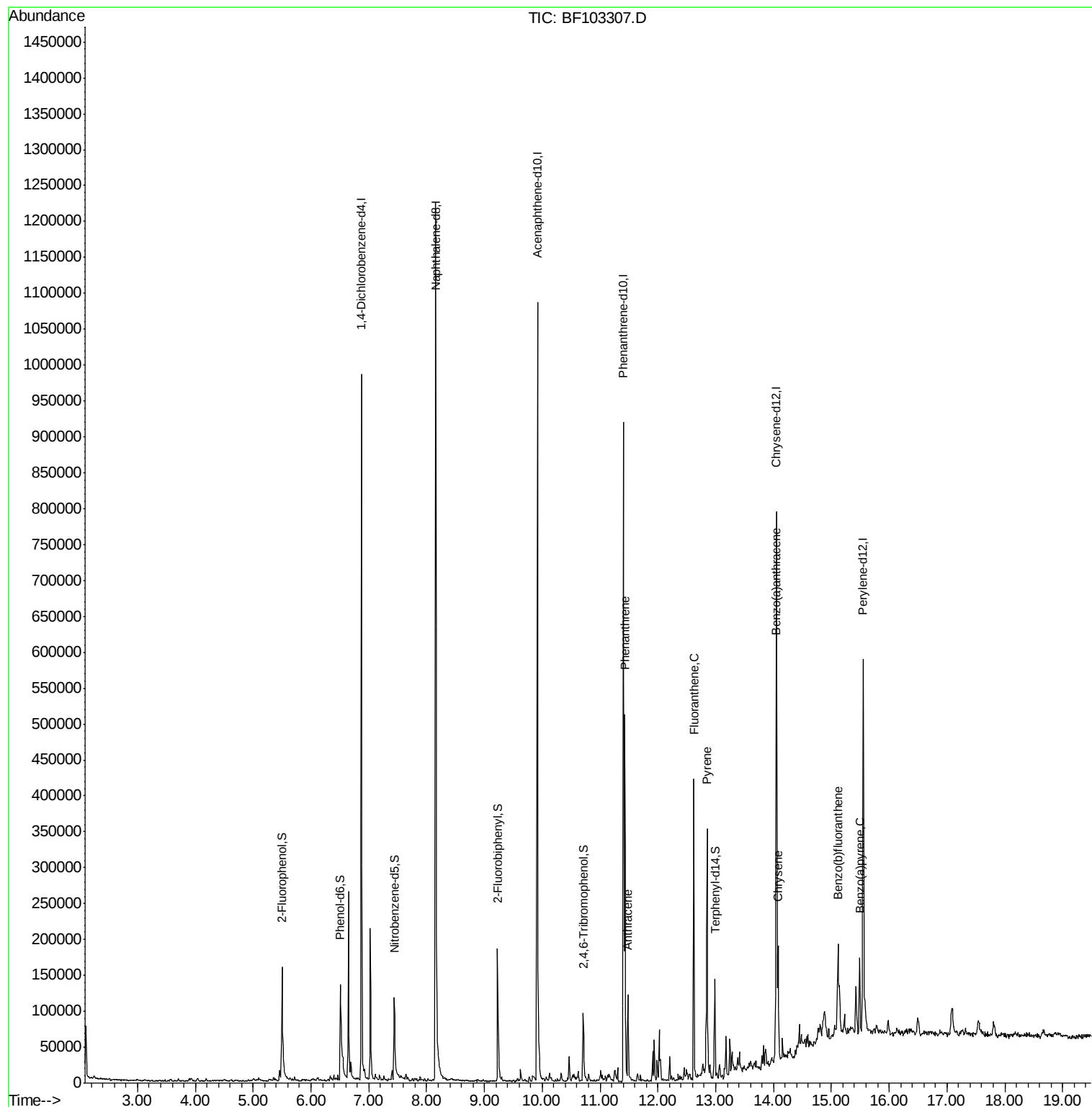
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103307.D
Acq On : 28 Feb 2018 21:38
Operator : SJ/JU
Sample : J1716-04 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

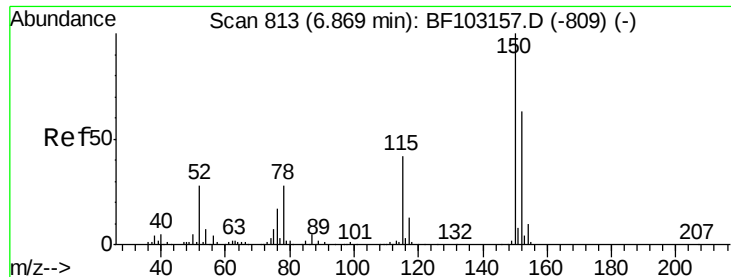
Instrument :
BNA_F
ClientSampleId :
SB-03-12-16

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#1

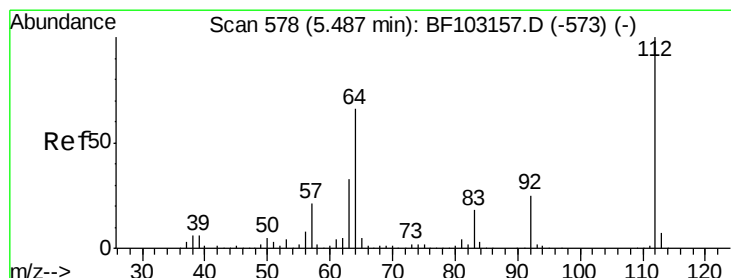
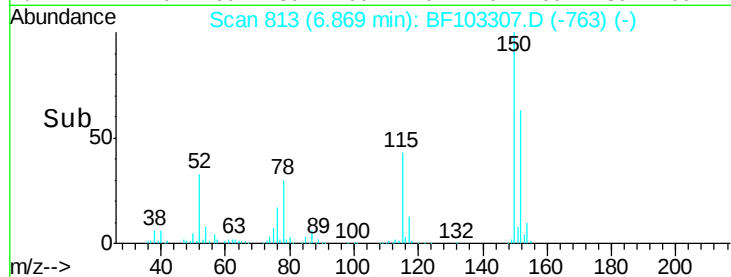
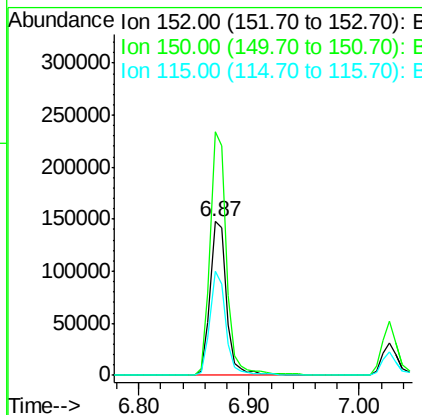
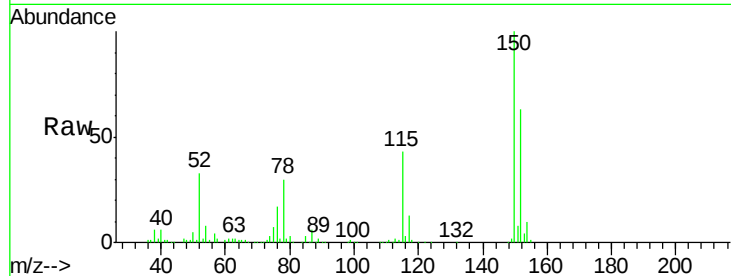
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF103307.D
Acq: 28 Feb 2018 21:38

Instrument :
BNA_F
ClientSampleId :
SB-03-12-16

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	124.6	186.8
115	68.1	50.1	75.1

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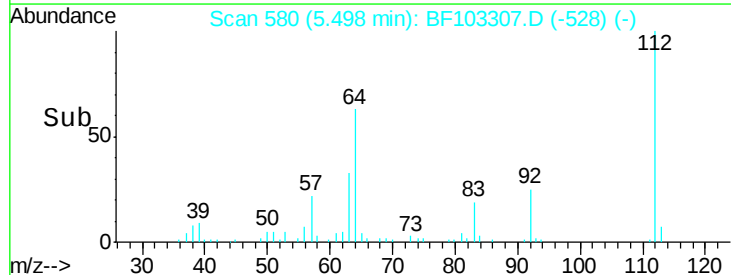
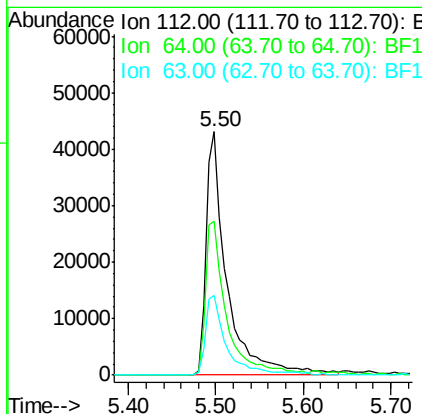
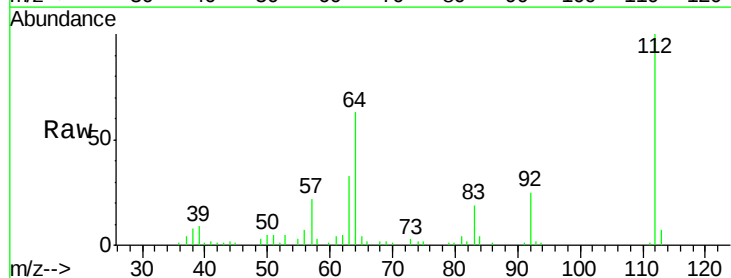
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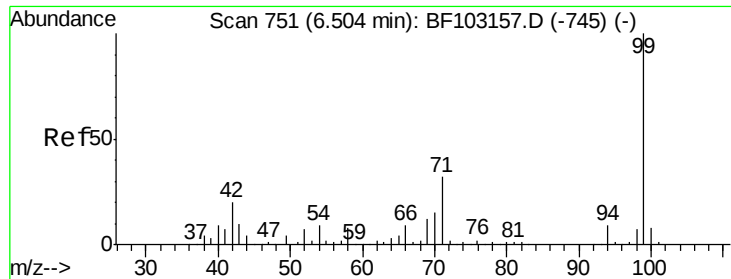


#5

2-Fluorophenol
Concen: 7.112 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103307.D
Acq: 28 Feb 2018 21:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.3	47.9	71.9
63	33.0	23.7	35.5





#7

Phenol-d6

Concen: 6.925 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF103307.D

Acq: 28 Feb 2018 21:38

Instrument :

BNA_F

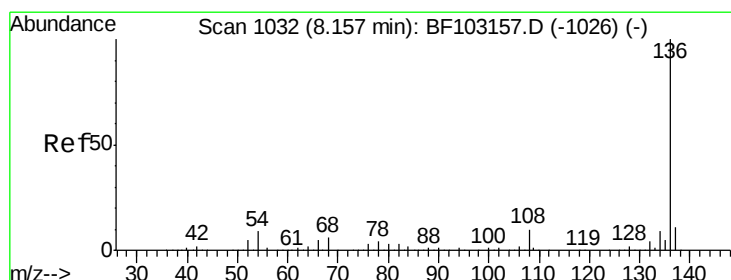
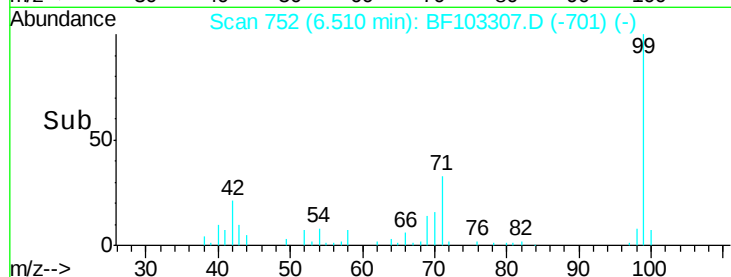
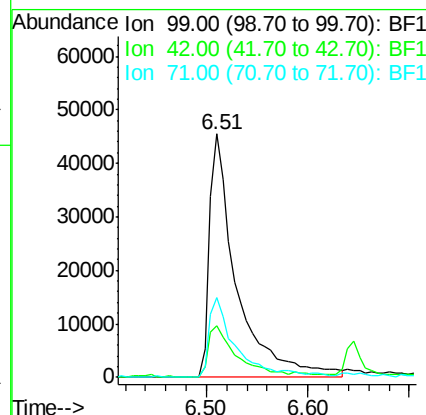
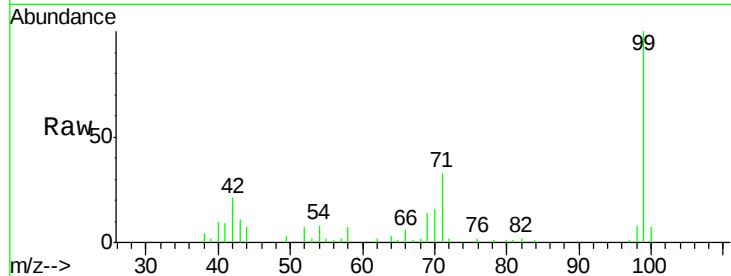
ClientSampleId :

SB-03-12-16

Tot Ion:	99	Resp:	84950
Ion Ratio	Lower	Upper	
99	100		
42	21.2	14.5	21.7
71	32.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

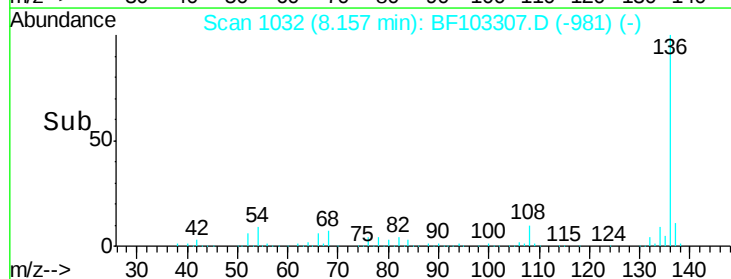
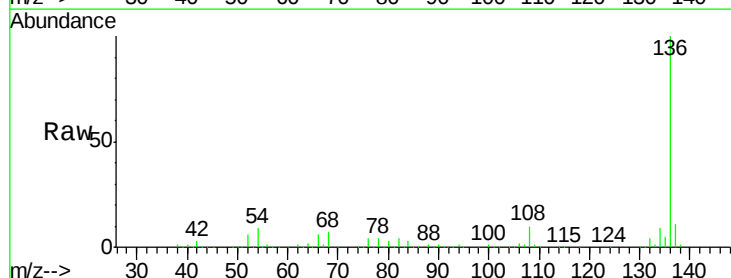
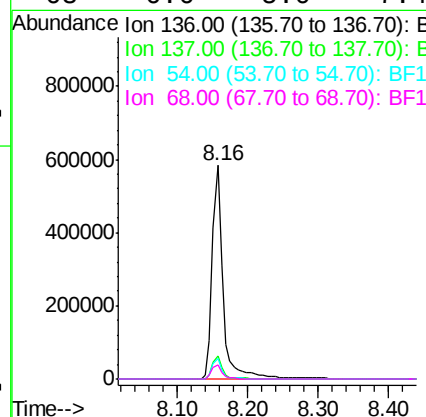
RT: 8.16 min Scan# 1032

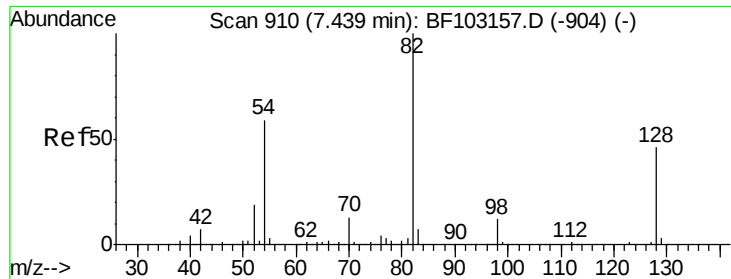
Delta R.T. -0.00 min

Lab File: BF103307.D

Acq: 28 Feb 2018 21:38

Tgt Ion:	136	Resp:	628091
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	9.3	6.6	9.8
68	6.6	5.0	7.4





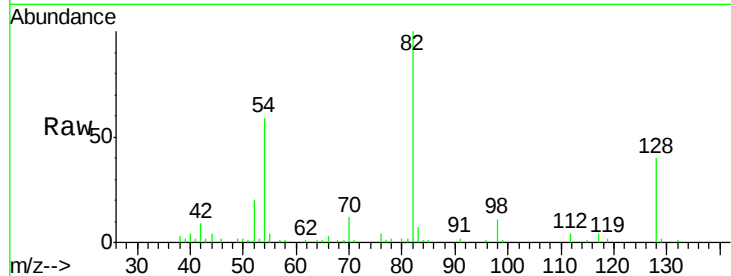
#23
 Nitrobenzene-d5
 Concen: 4.855 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF103307.D
 Acq: 28 Feb 2018 21:38

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-12-16

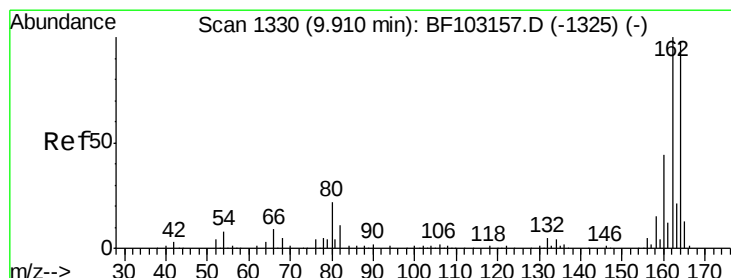
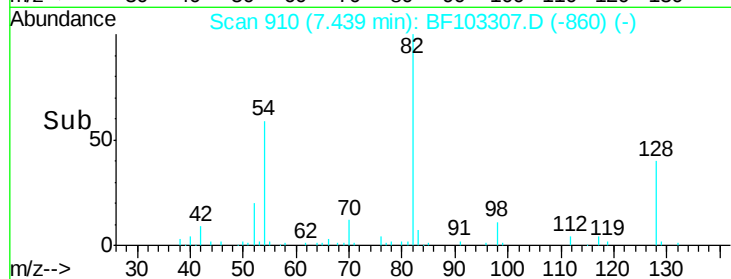
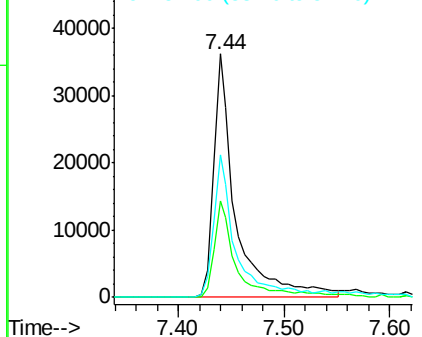
Tot Ion	Ratio	Lower	Upper
82	100		
128	39.7	36.1	54.1
54	58.6	41.4	62.2

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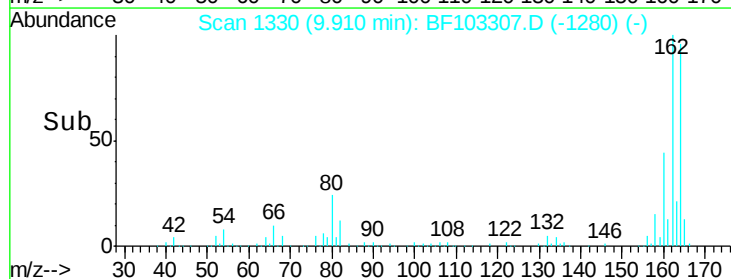
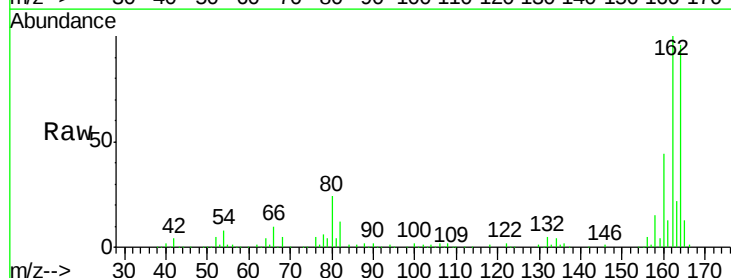
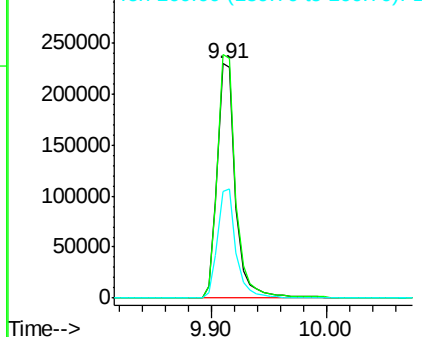
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 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

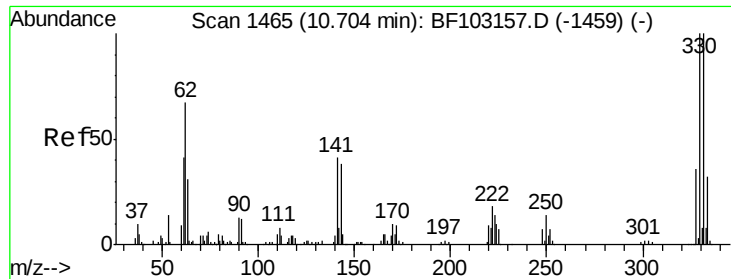


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF103307.D
 Acq: 28 Feb 2018 21:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	86.1	129.1
160	45.6	38.3	57.5

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





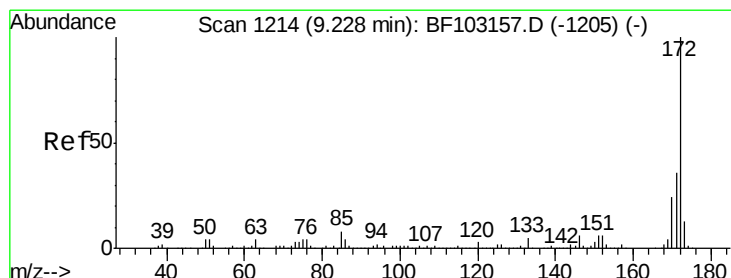
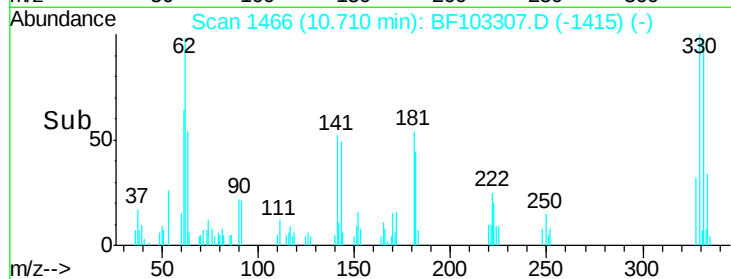
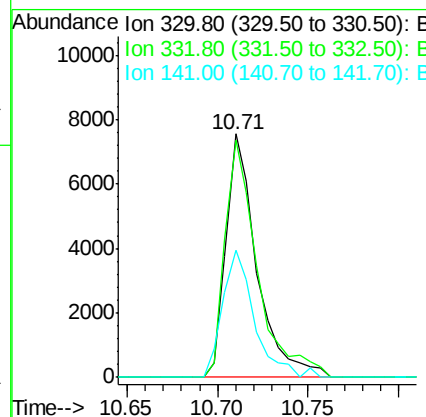
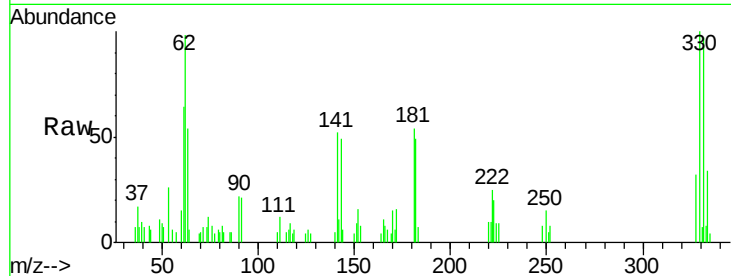
#41
 2,4,6-Tribromophenol
 Concen: 4.151 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF103307.D
 Acq: 28 Feb 2018 21:38

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-12-16

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.0	77.0	115.6
141	54.0	29.9	44.9

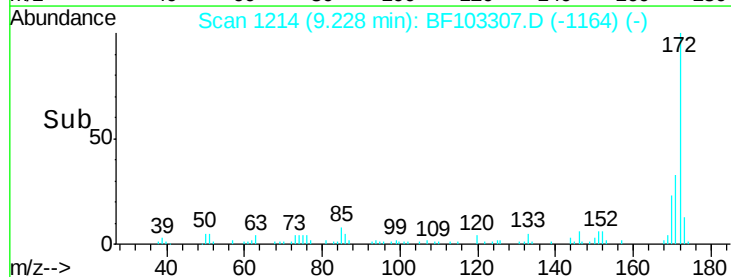
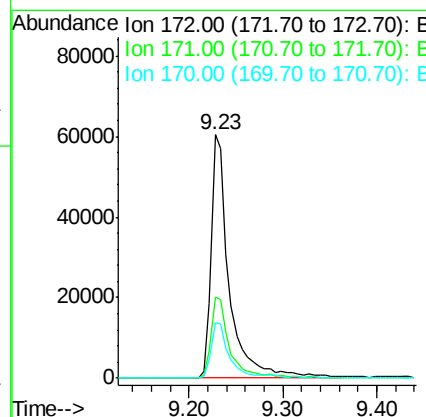
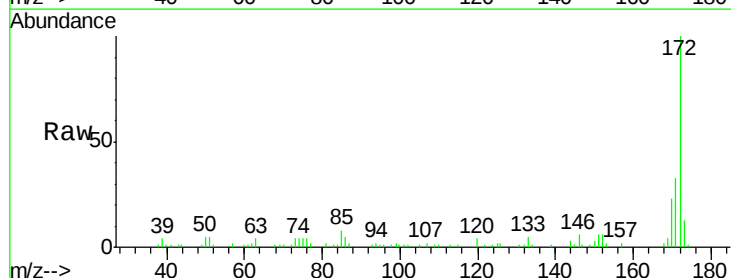
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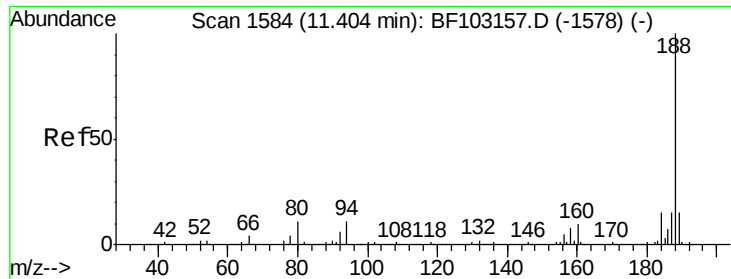
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#44
 2-Fluorobiphenyl
 Concen: 2.040 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103307.D
 Acq: 28 Feb 2018 21:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.2	29.7	44.5
170	22.8	19.6	29.4





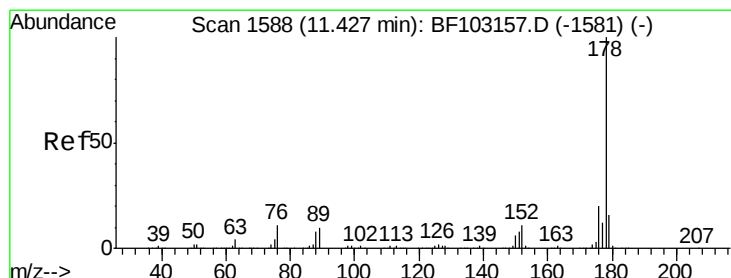
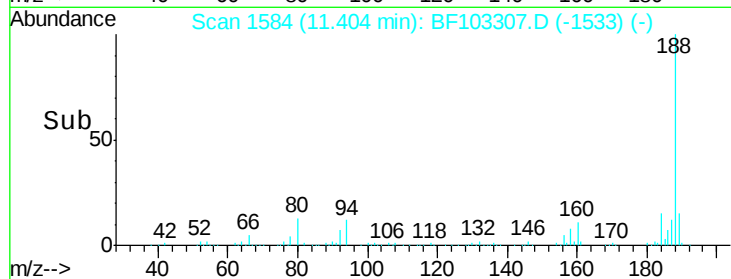
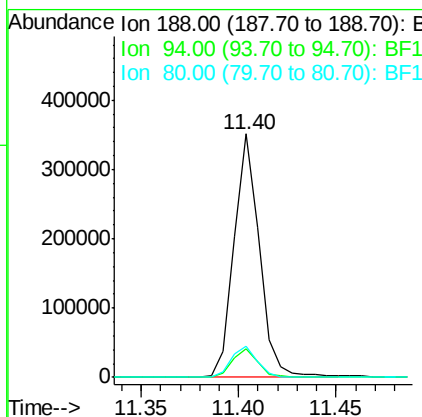
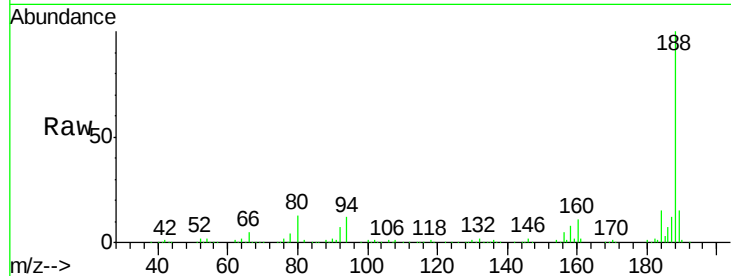
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF103307.D
Acq: 28 Feb 2018 21:38

Instrument :
BNA_F
ClientSampleId :
SB-03-12-16

Tot Ion	Ratio	Resp	Lower	Upper
188	100	317575		
94	11.9		8.5	12.7
80	12.9		9.2	13.8

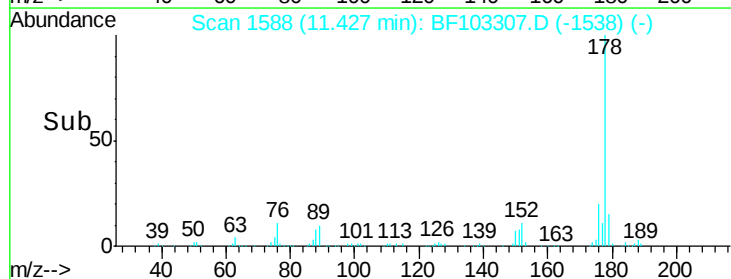
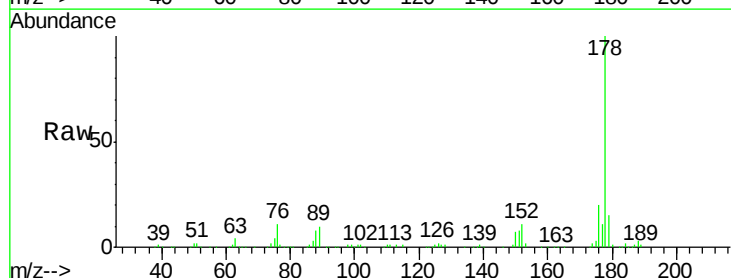
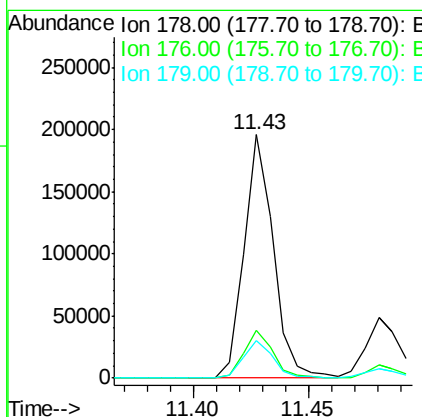
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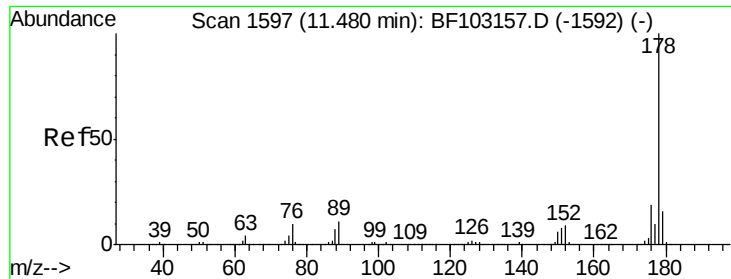
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#70
Phenanthrene
Concen: 9.982 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF103307.D
Acq: 28 Feb 2018 21:38

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	174463		
176	19.7		15.8	23.8
179	15.2		13.0	19.6





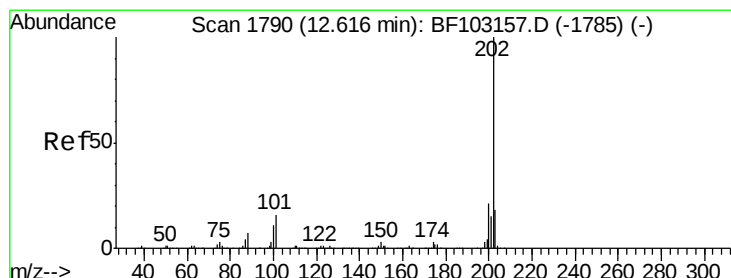
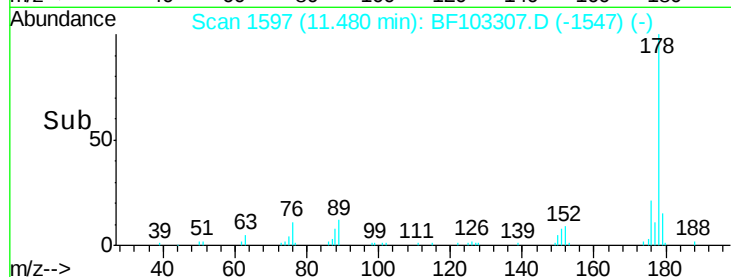
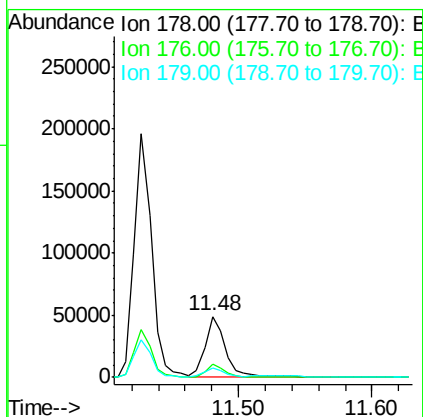
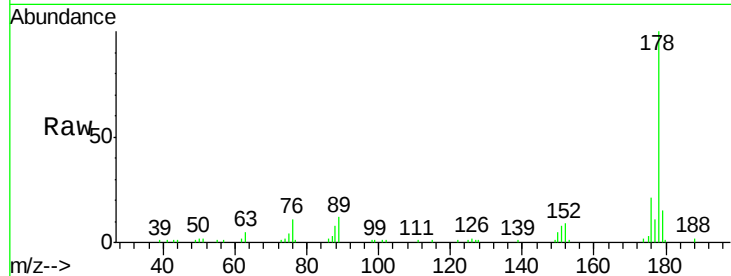
#71
 Anthracene
 Concen: 2.906 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF103307.D
 Acq: 28 Feb 2018 21:38

Instrument :
 BNA_F
 ClientSampled :
 SB-03-12-16

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.0	15.4	23.2
179	15.4	12.6	19.0

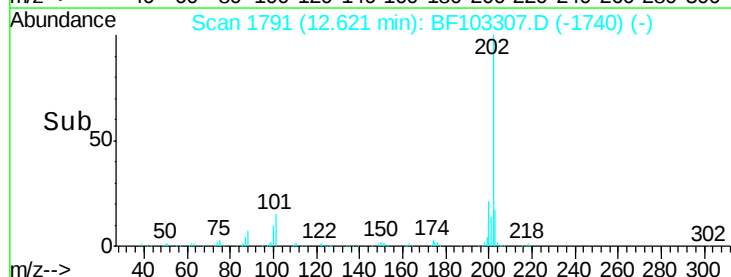
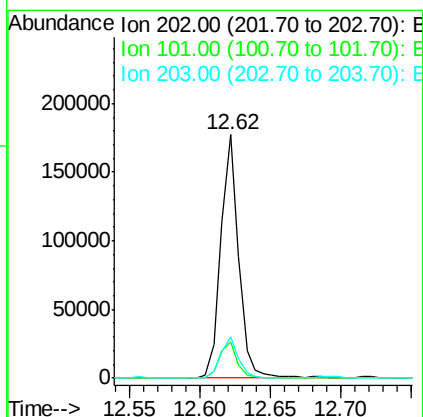
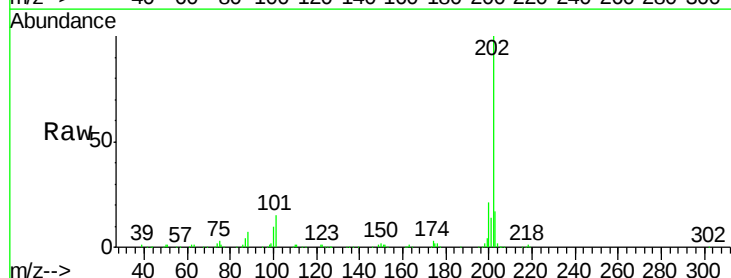
Manual Integrations
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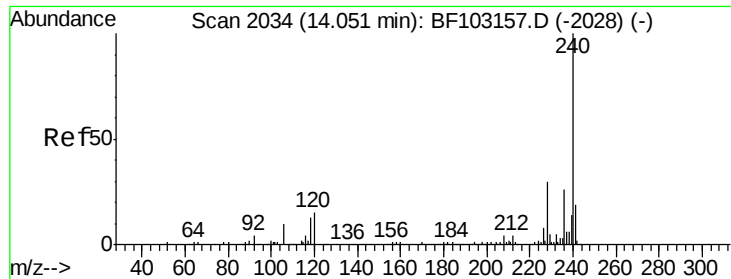
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#74
 Fluoranthene
 Concen: 8.963 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: BF103307.D
 Acq: 28 Feb 2018 21:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.1	0.0	34.1
203	17.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103307.D

Acq: 28 Feb 2018 21:38

Instrument :

BNA_F

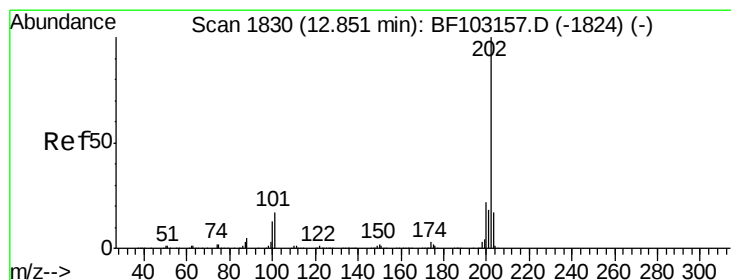
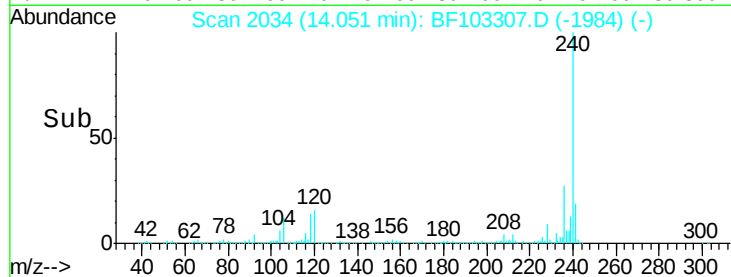
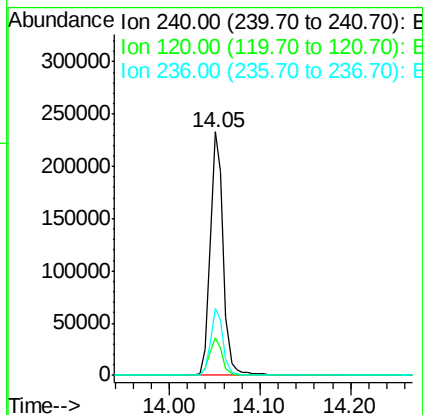
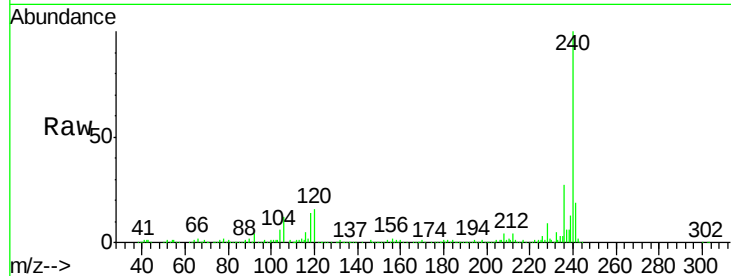
ClientSampleId :

SB-03-12-16

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.6	9.5	14.3
236	27.5	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 7.527 ng

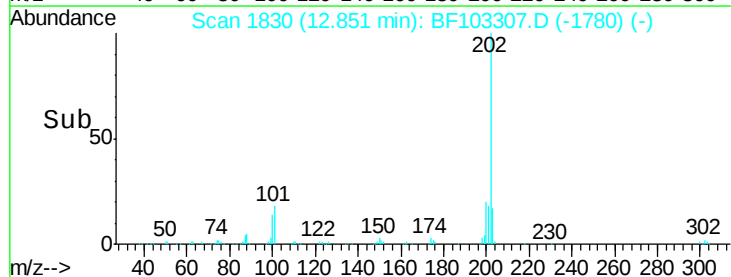
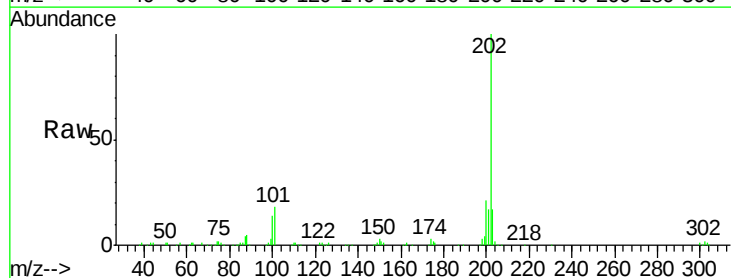
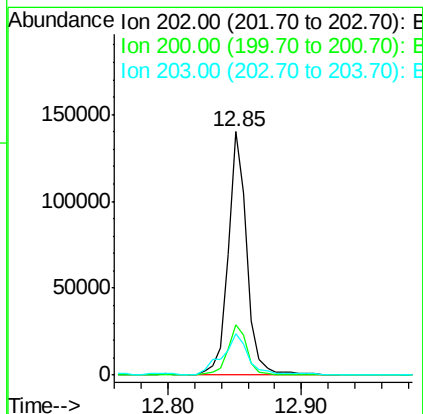
RT: 12.85 min Scan# 1830

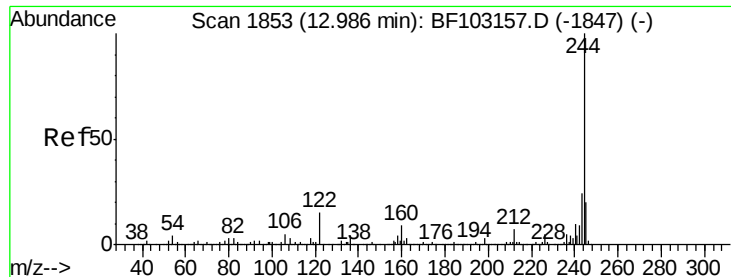
Delta R.T. -0.01 min

Lab File: BF103307.D

Acq: 28 Feb 2018 21:38

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.4	26.2
203	17.2	14.3	21.5





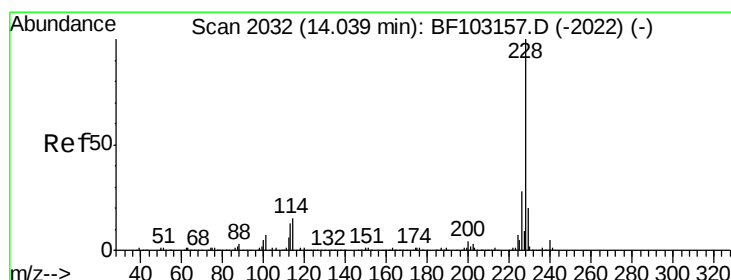
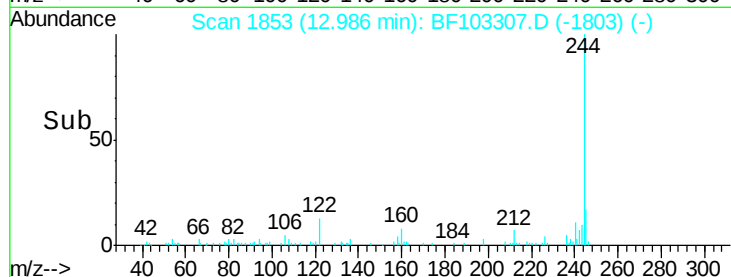
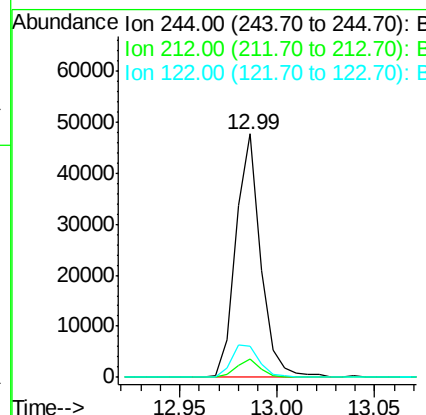
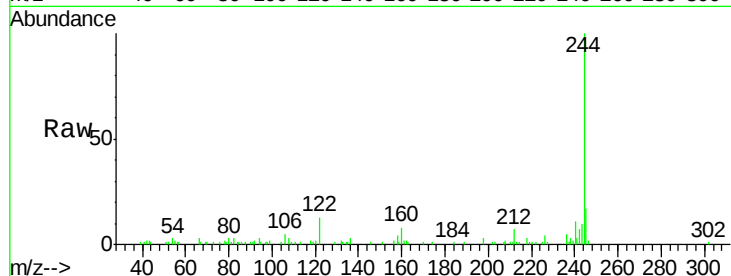
#78
 Terphenyl-d14
 Concen: 4.296 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: BF103307.D
 Acq: 28 Feb 2018 21:38

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-12-16

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	13.0	11.0	16.4

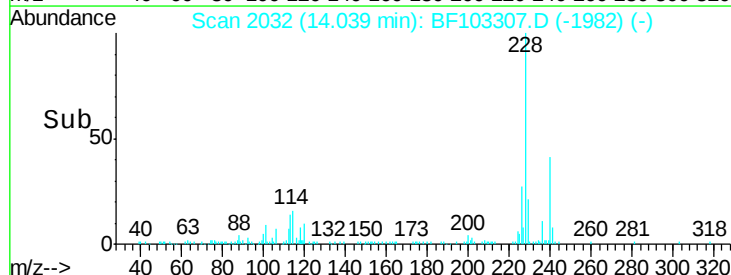
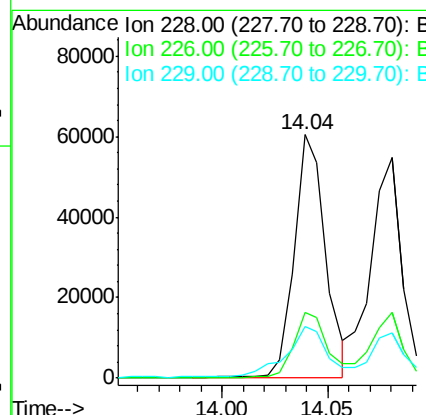
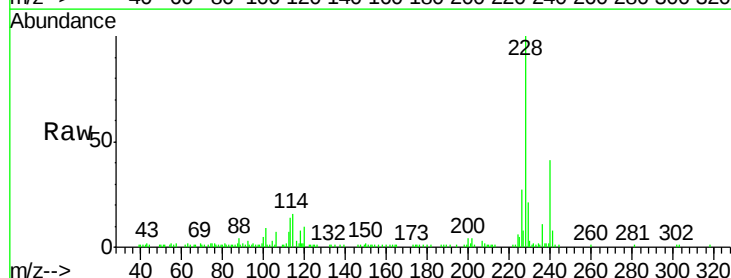
Manual Integrations
 APPROVED

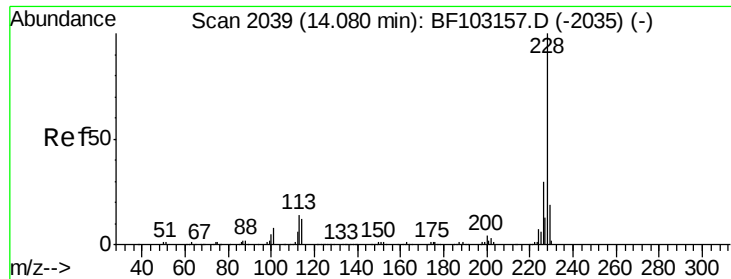
Sohil
 3/1/2018 11:43:19 AM



#80
 Benzo(a)anthracene
 Concen: 4.105 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BF103307.D
 Acq: 28 Feb 2018 21:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.6	33.8
229	21.1	15.8	23.6





#82

Chrysene

Concen: 3.954 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF103307.D

Acq: 28 Feb 2018 21:38

Instrument :

BNA_F

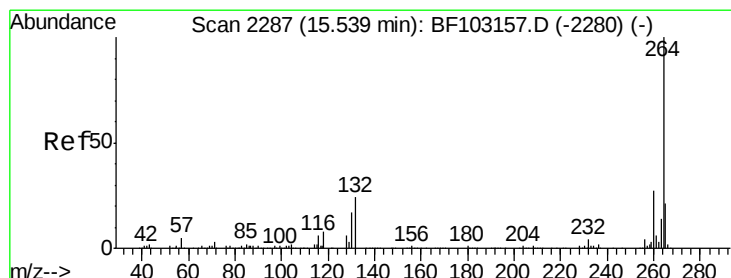
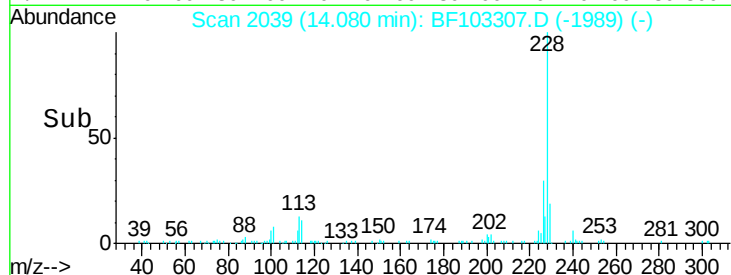
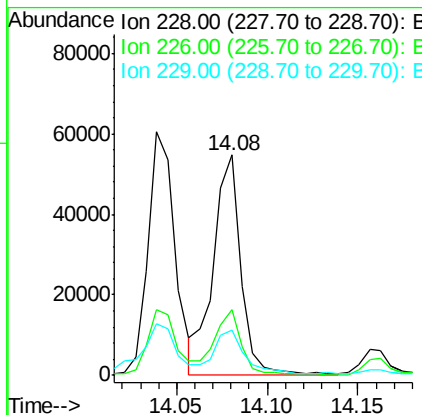
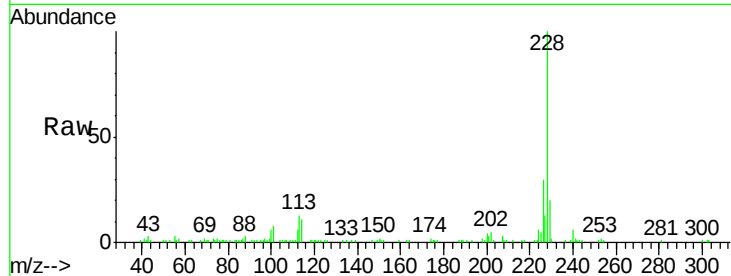
ClientSampleId :

SB-03-12-16

Tot Ion:	228	Resp:	58629
Ion Ratio		Lower	Upper
228	100		
226	29.8	25.0	37.6
229	20.2	16.2	24.4

Manual Integrations
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3/1/2018 11:43:19 AM



#86

Perylene-d12

Concen: 20.000 ng

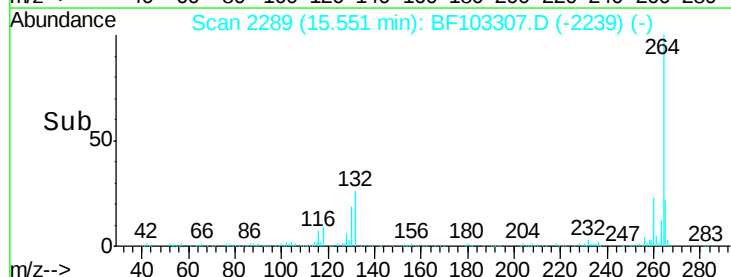
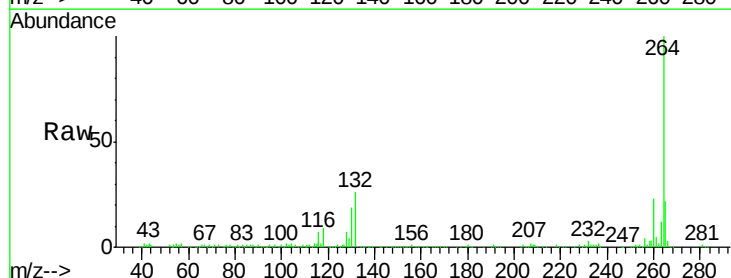
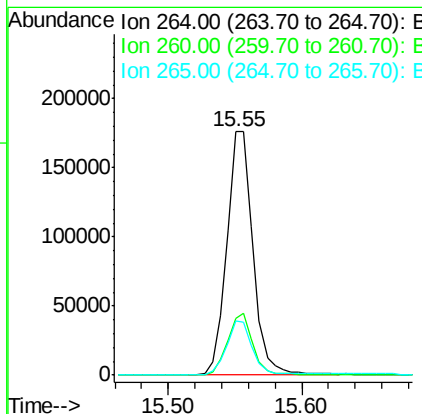
RT: 15.55 min Scan# 2289

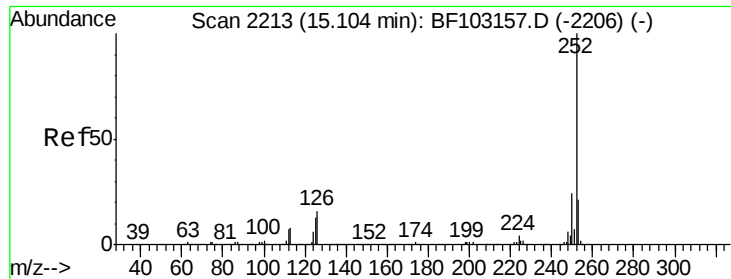
Delta R.T. -0.01 min

Lab File: BF103307.D

Acq: 28 Feb 2018 21:38

Tgt Ion:	264	Resp:	243927
Ion Ratio		Lower	Upper
264	100		
260	23.2	19.2	28.8
265	22.1	17.5	26.3





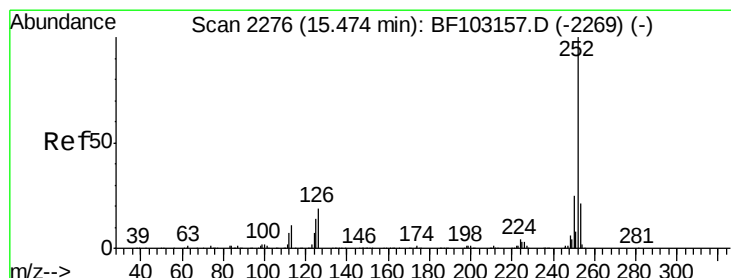
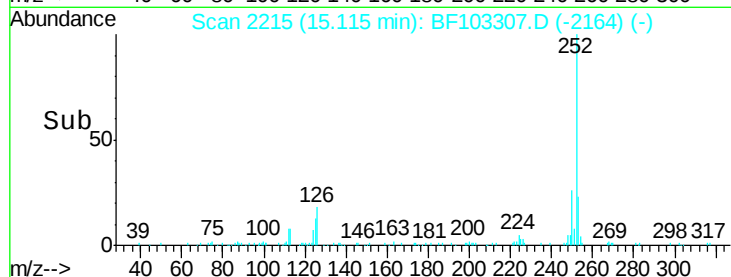
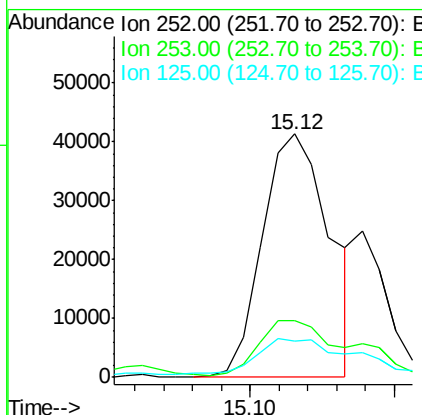
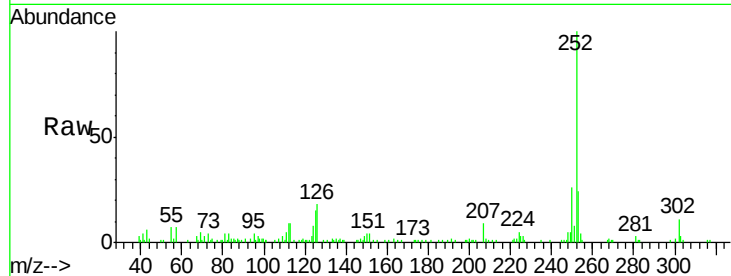
#87
Benzo(b)fluoranthene
Concen: 4.226 ng m
RT: 15.12 min Scan# 2215
Delta R.T. -0.00 min
Lab File: BF103307.D
Acq: 28 Feb 2018 21:38

Instrument :
BNA_F
ClientSampled :
SB-03-12-16

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	15.1	9.0	13.6#

Manual Integrations
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3/1/2018 11:43:19 AM



#89
Benzo(a)pyrene
Concen: 3.494 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF103307.D
Acq: 28 Feb 2018 21:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	15.8	9.8	14.6#

