

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
 Data File : BF102317.D
 Acq On : 22 Jan 2018 23:24
 Operator : SJ/JU
 Sample : J1238-12 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-7.5-8.0

Manual Integrations
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Quant Time: Jan 23 03:32:07 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 22 13:38:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	116703	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	417651	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	154257	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	269378	20.00	ng	0.00
75) Chrysene-d12	13.87	240	259601	20.00	ng	0.00
86) Perylene-d12	15.30	264	161159	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	186262	24.20	ng	0.00
7) Phenol-d6	6.36	99	208233	22.44	ng	0.00
23) Nitrobenzene-d5	7.28	82	109409	15.05	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	33264	21.76	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	202665	19.32	ng	0.00
78) Terphenyl-d14	12.82	244	189361	16.44	ng	0.00
Target Compounds						
70) Phenanthrene	11.26	178	252255	16.070	ng	Qvalue 98
71) Anthracene	11.32	178	78569	4.904	ng	95
74) Fluoranthene	12.45	202	271985	16.991	ng	97
77) Pyrene	12.68	202	296539	14.774	ng	99
80) Benzo(a)anthracene	13.87	228	102304	6.401	ng	100
82) Chrysene	13.90	228	91312	5.626	ng	99
87) Benzo(b)fluoranthene	14.90	252	74604m	7.142	ng	
89) Benzo(a)pyrene	15.24	252	56144	5.960	ng	# 93
91) Benzo(g,h,i)perylene	17.11	276	29228	3.879	ng	# 90

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

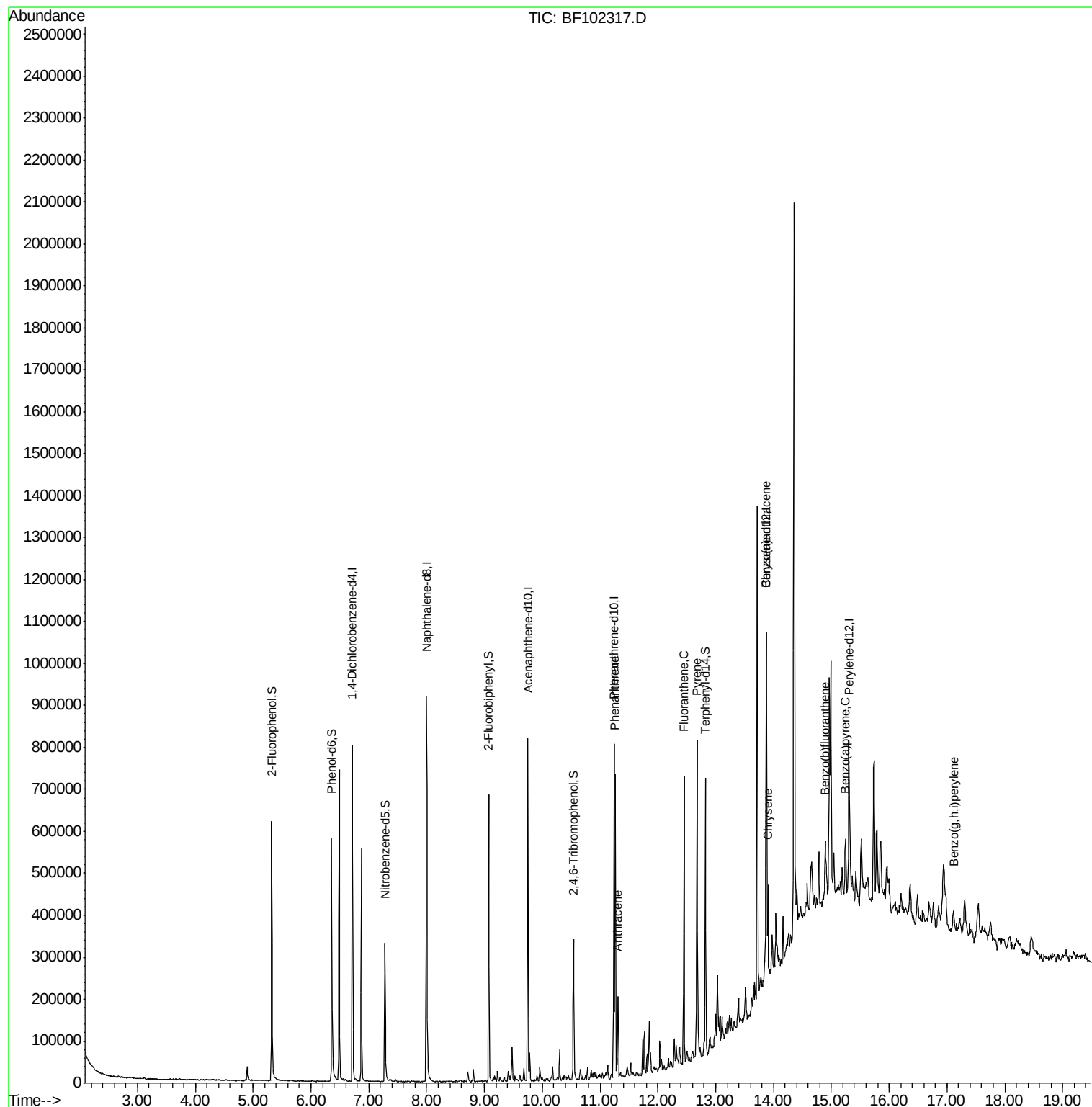
Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
Data File : BF102317.D
Acq On : 22 Jan 2018 23:24
Operator : SJ/JU
Sample : J1238-12 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

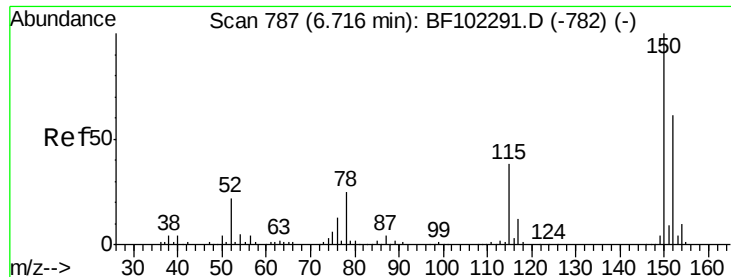
Instrument :
BNA_F
ClientSampleId :
SB-03-7.5-8.0

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Quant Time: Jan 23 03:32:07 2018
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#1

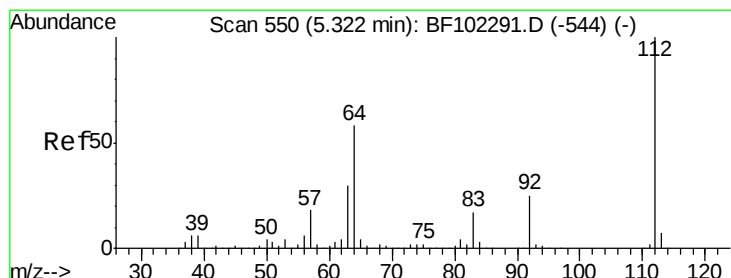
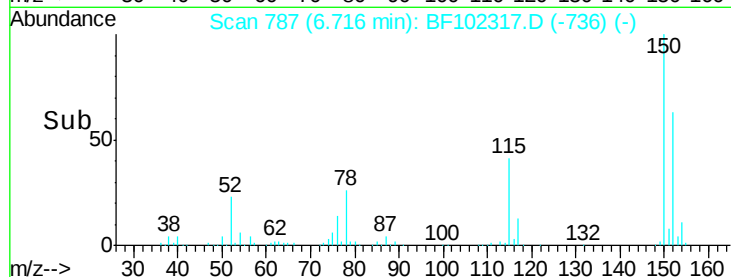
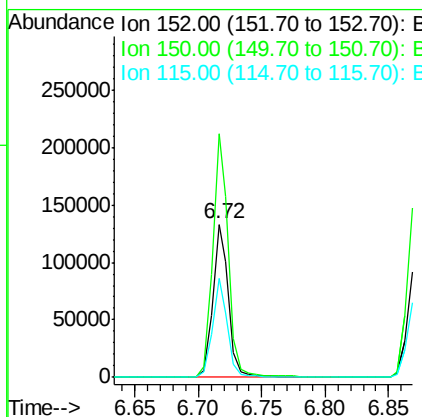
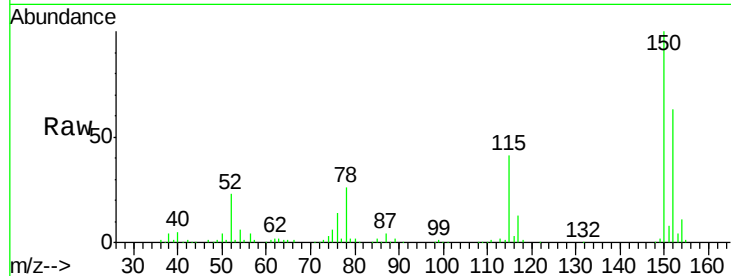
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102317.D
Acq: 22 Jan 2018 23:24

Instrument :
BNA_F
ClientSampled :
SB-03-7.5-8.0

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	124.6	186.8
115	64.8	50.1	75.1

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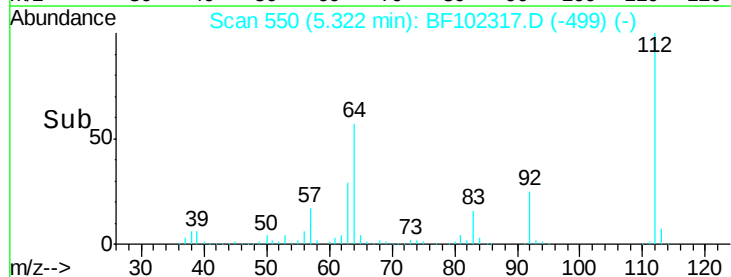
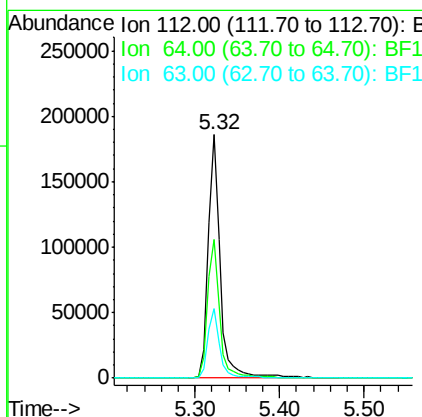
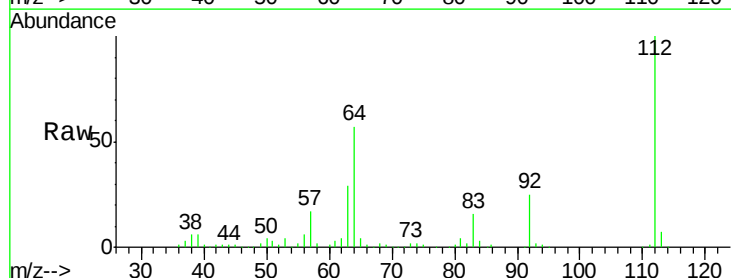
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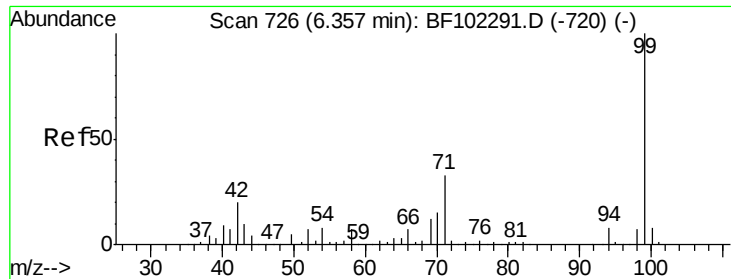


#5

2-Fluorophenol
Concen: 24.200 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.00 min
Lab File: BF102317.D
Acq: 22 Jan 2018 23:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	47.9	71.9
63	28.7	23.7	35.5





#7

Phenol-d6

Concen: 22.441 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF102317.D

Acq: 22 Jan 2018 23:24

Instrument :

BNA_F

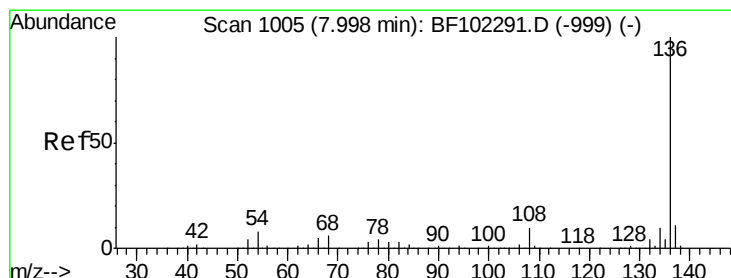
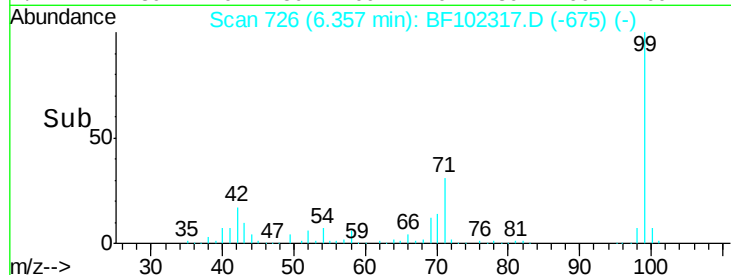
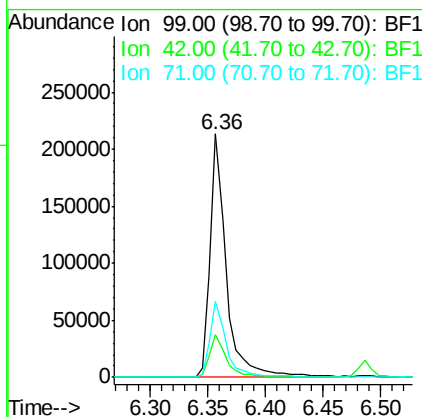
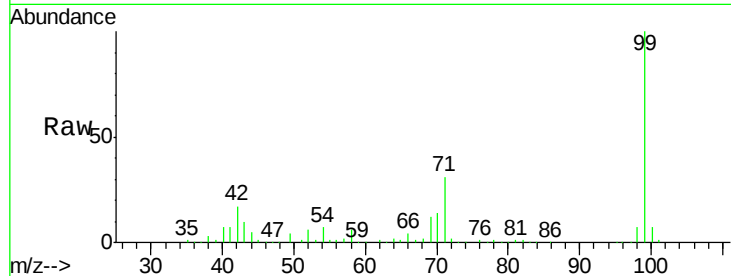
ClientSampled :

SB-03-7.5-8.0

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		208233		
42	17.3	14.5	21.7		
71	31.2	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

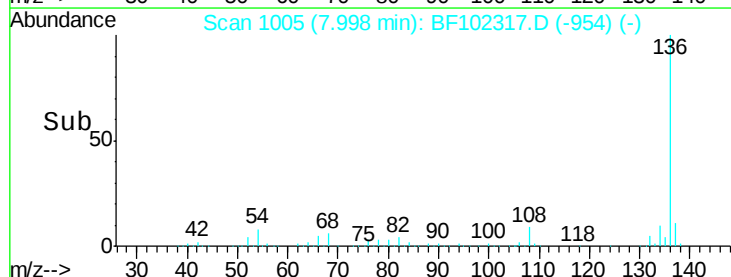
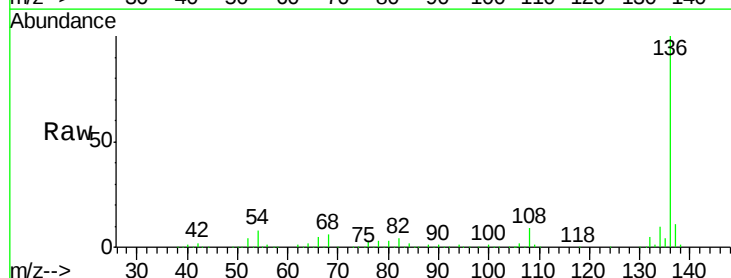
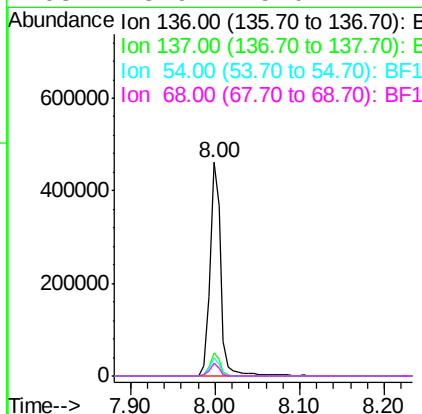
RT: 8.00 min Scan# 1005

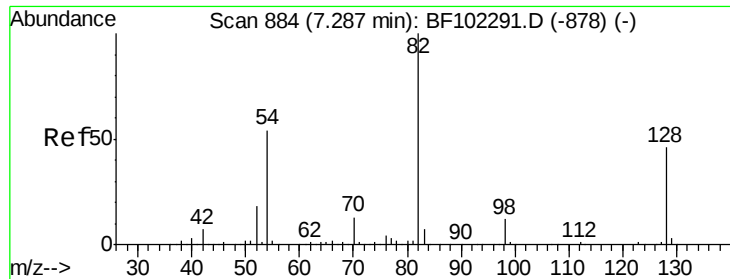
Delta R.T. -0.00 min

Lab File: BF102317.D

Acq: 22 Jan 2018 23:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		417651		
137	10.9	8.9	13.3		
54	8.4	6.6	9.8		
68	5.9	5.0	7.4		





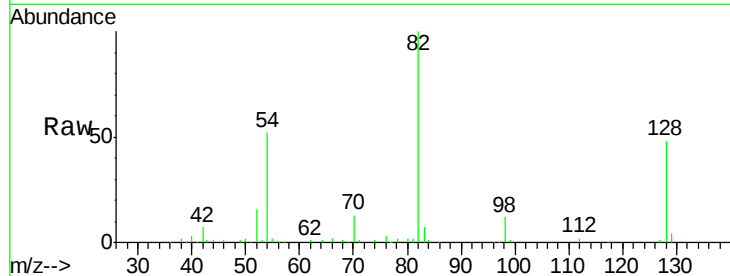
#23
 Nitrobenzene-d5
 Concen: 15.054 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF102317.D
 Acq: 22 Jan 2018 23:24

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-7.5-8.0

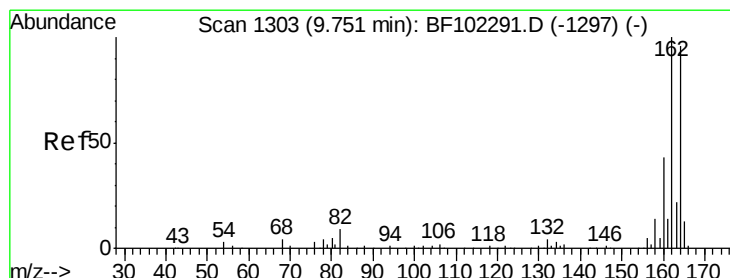
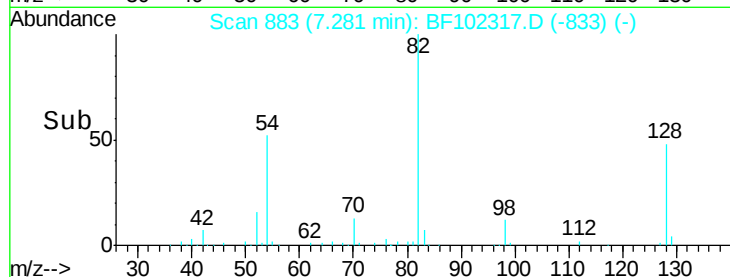
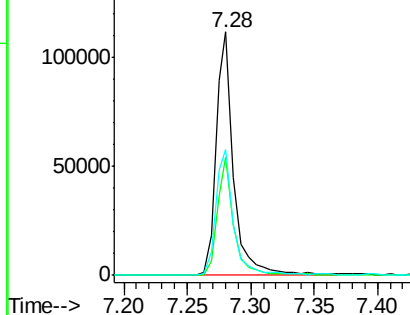
Tot Ion	82	Resp	109409
Ion Ratio	Lower	Upper	
82	100		
128	48.4	36.1	54.1
54	51.7	41.4	62.2

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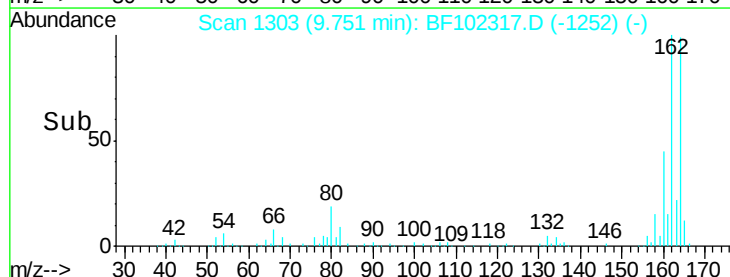
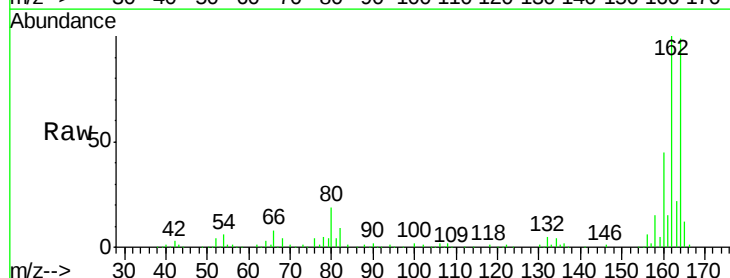
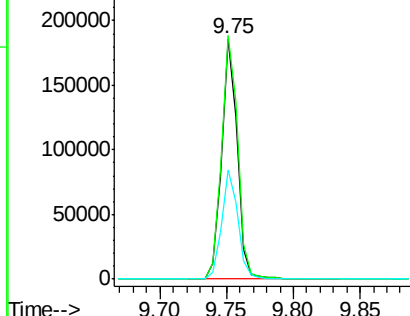
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

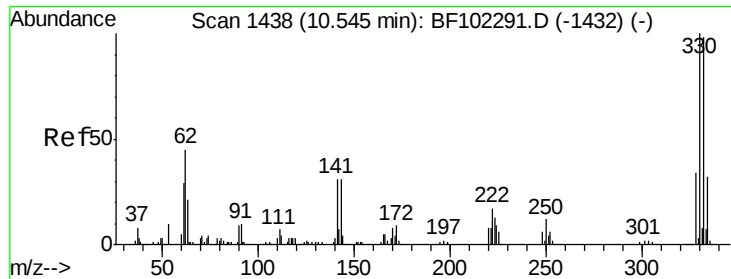


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.00 min
 Lab File: BF102317.D
 Acq: 22 Jan 2018 23:24

Tgt Ion	164	Resp	154257
Ion Ratio	Lower	Upper	
164	100		
162	101.4	86.1	129.1
160	45.3	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





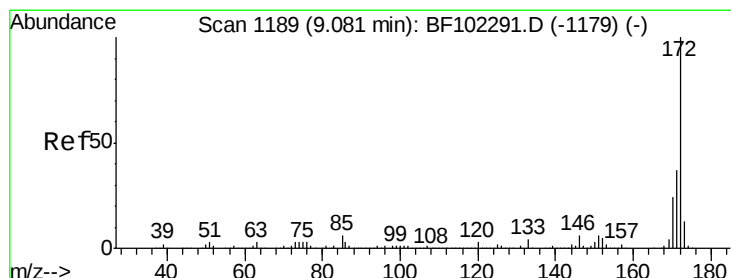
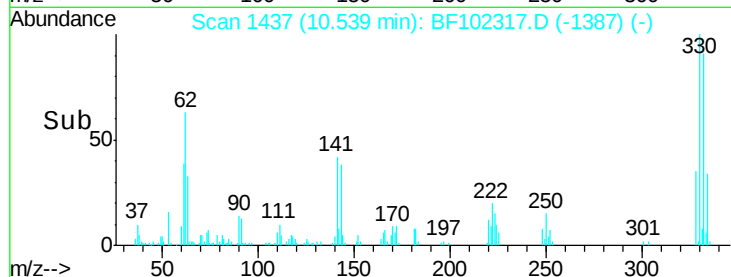
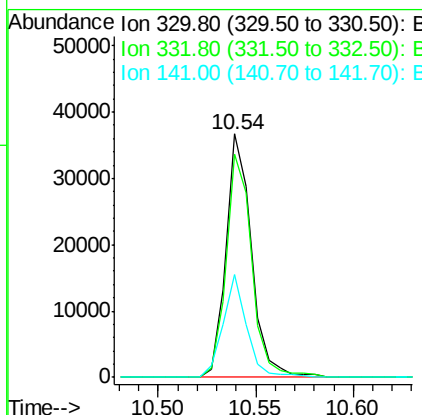
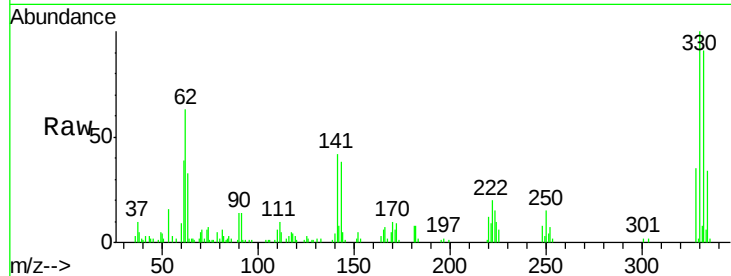
#41
 2,4,6-Tribromophenol
 Concen: 21.763 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102317.D
 Acq: 22 Jan 2018 23:24

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-7.5-8.0

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	92.4	77.0	115.6	
141	39.1	29.9	44.9	

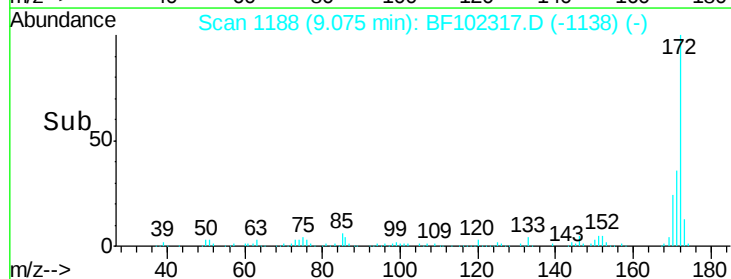
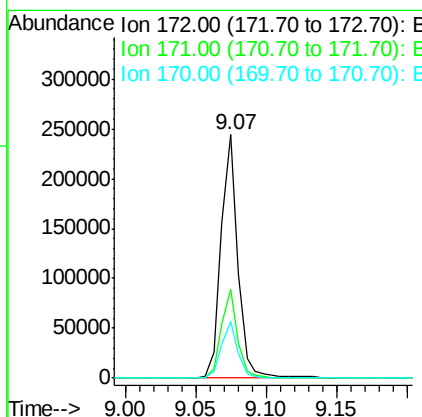
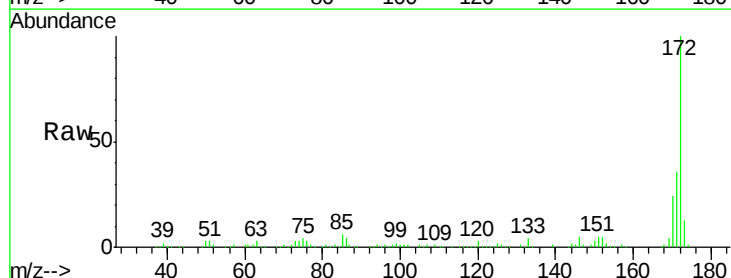
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#44
 2-Fluorobiphenyl
 Concen: 19.318 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF102317.D
 Acq: 22 Jan 2018 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.3	29.7	44.5	
170	23.5	19.6	29.4	





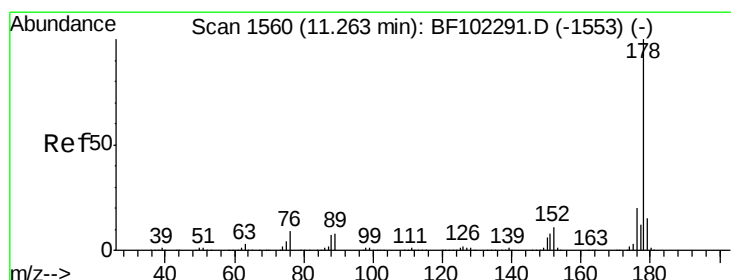
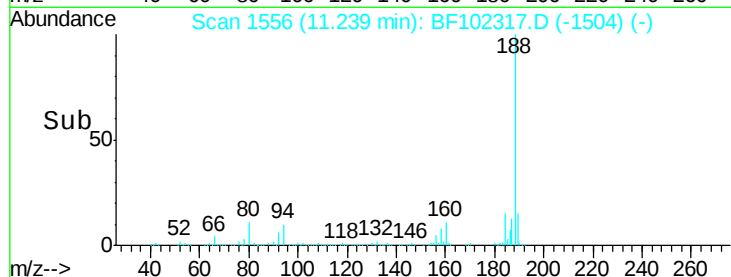
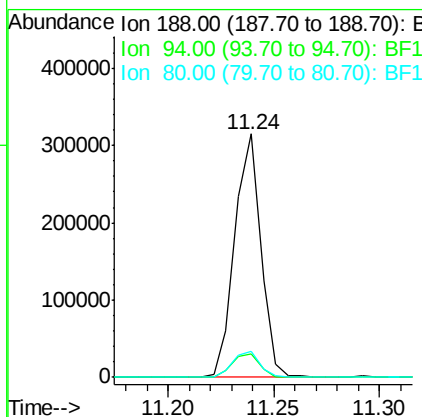
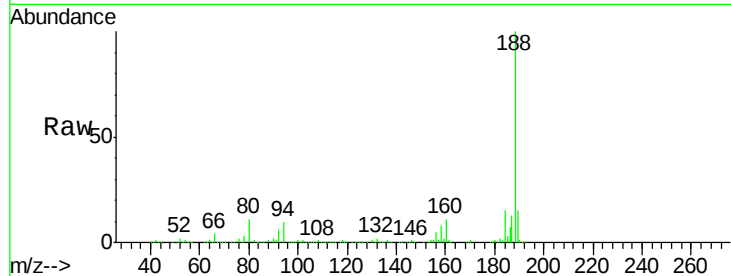
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.01 min
Lab File: BF102317.D
Acq: 22 Jan 2018 23:24

Instrument :
BNA_F
ClientSampleId :
SB-03-7.5-8.0

Tot Ion	Ratio	Resp	Lower	Upper
188	100	269378		
94	9.8		8.5	12.7
80	10.9		9.2	13.8

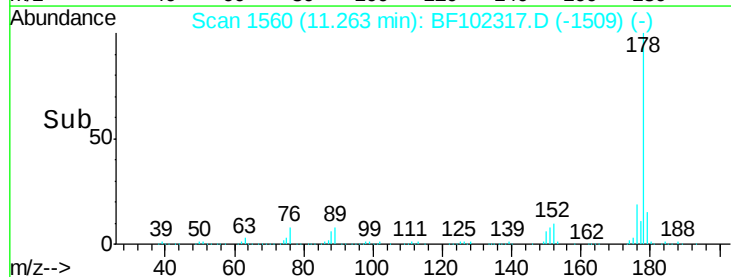
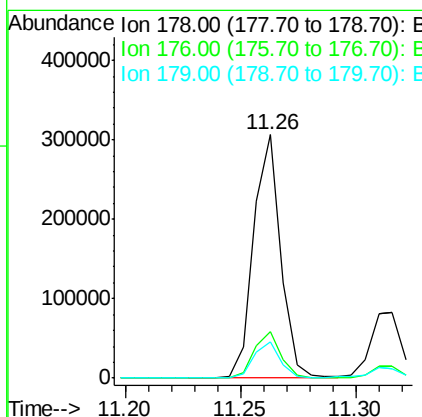
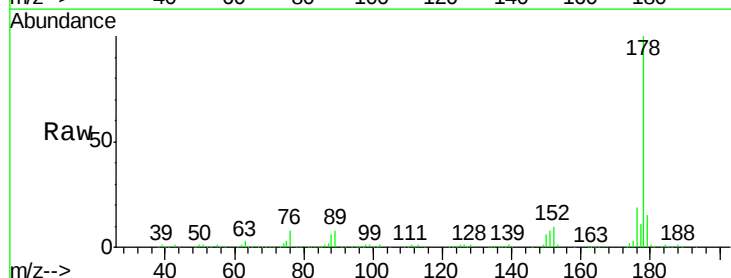
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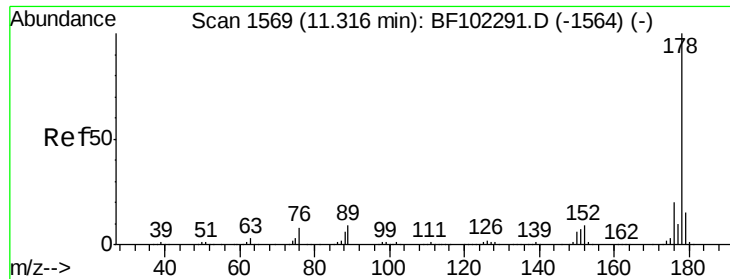
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#70
Phenanthrene
Concen: 16.070 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF102317.D
Acq: 22 Jan 2018 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	252255		
176	19.1		15.8	23.8
179	14.8		13.0	19.6





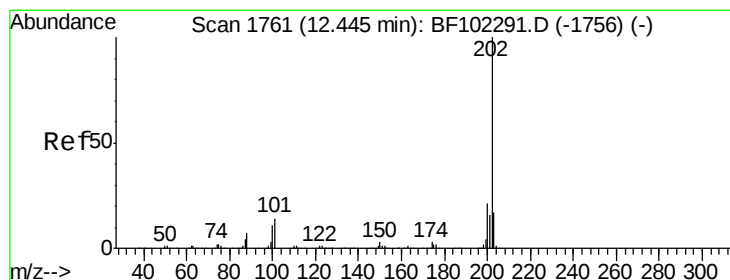
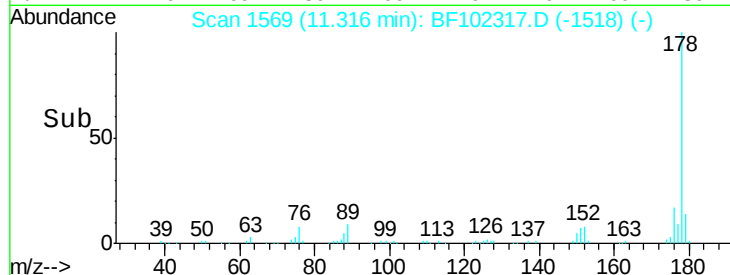
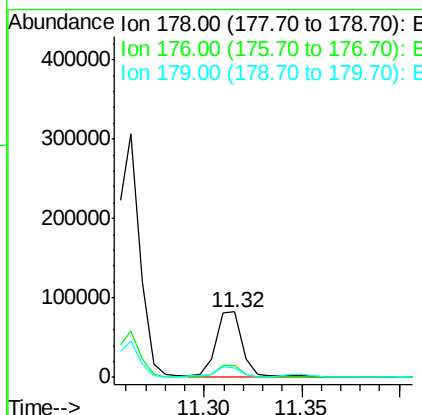
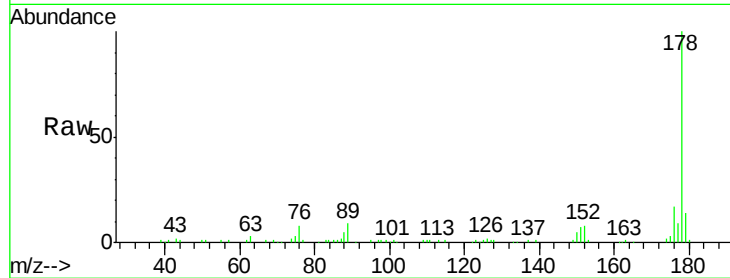
#71
 Anthracene
 Concen: 4.904 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: BF102317.D
 Acq: 22 Jan 2018 23:24

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-7.5-8.0

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.3	15.4	23.2
179	13.5	12.6	19.0

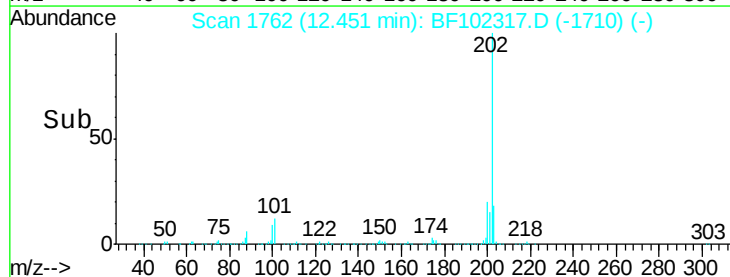
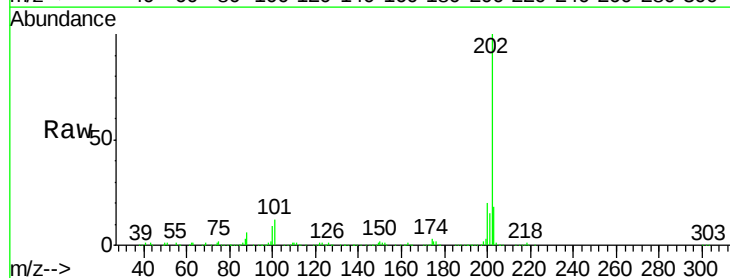
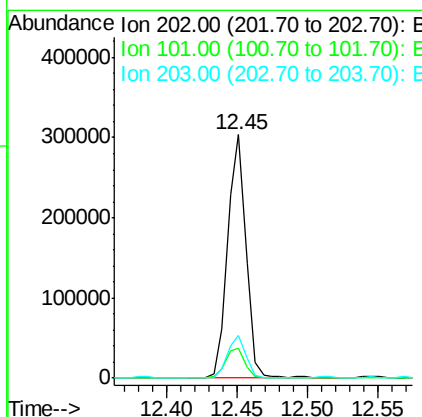
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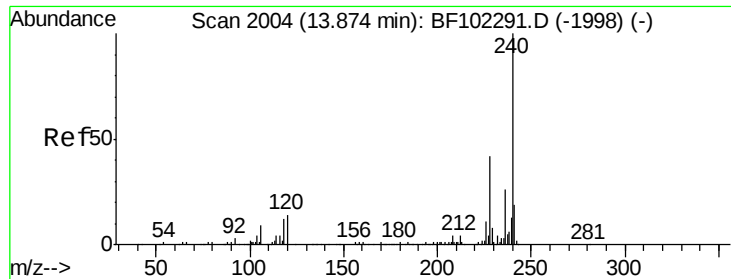
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#74
 Fluoranthene
 Concen: 16.991 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. 0.01 min
 Lab File: BF102317.D
 Acq: 22 Jan 2018 23:24

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF102317.D

Acq: 22 Jan 2018 23:24

Instrument :

BNA_F

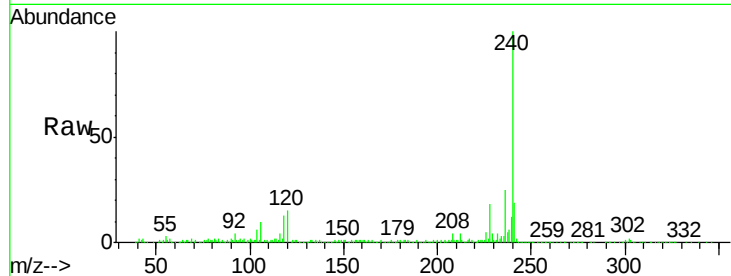
ClientSampleId :

SB-03-7.5-8.0

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.5	9.5	14.3
236	25.0	20.7	31.1

Manual Integrations
APPROVED

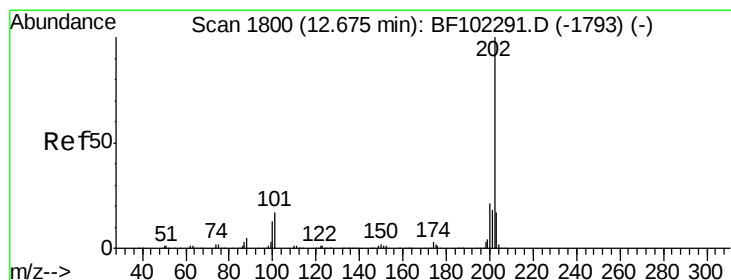
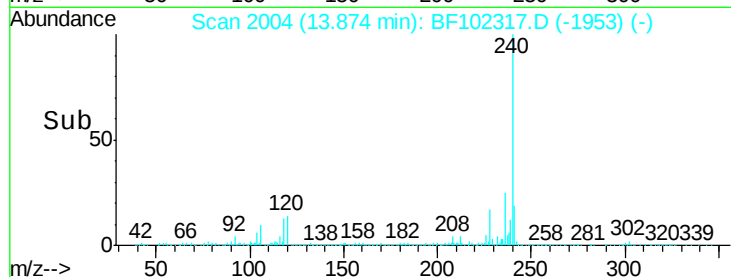
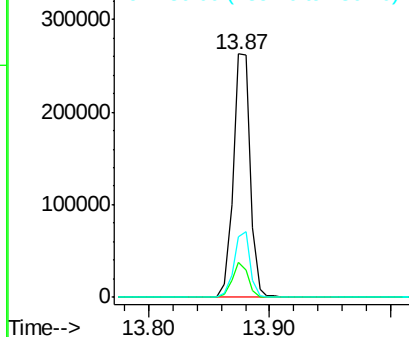
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 14.774 ng

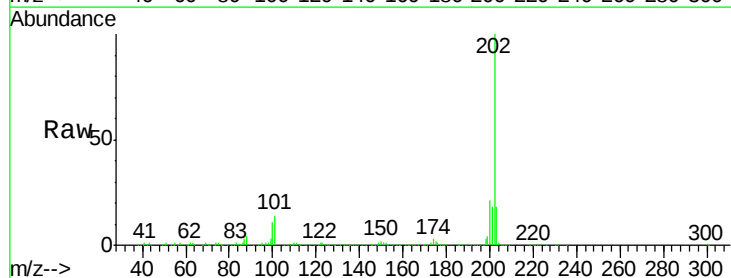
RT: 12.68 min Scan# 1801

Delta R.T. 0.01 min

Lab File: BF102317.D

Acq: 22 Jan 2018 23:24

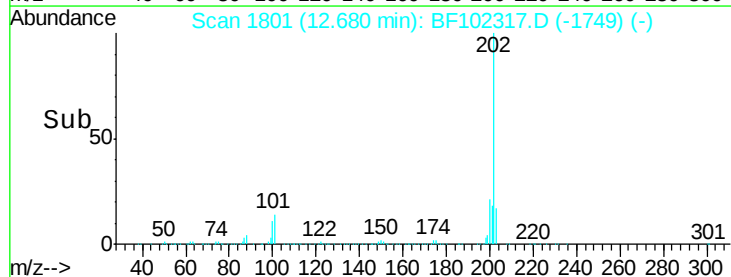
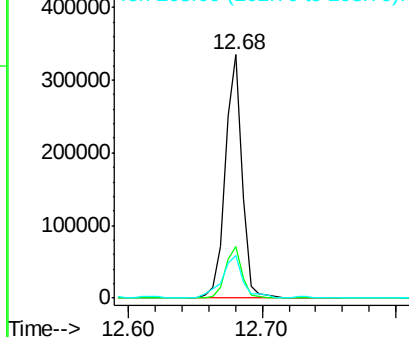
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.5	14.3	21.5

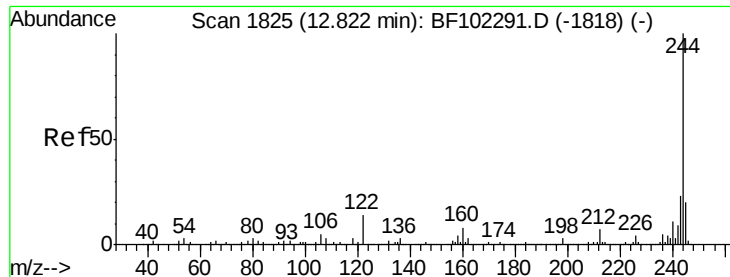


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 16.444 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF102317.D

Acq: 22 Jan 2018 23:24

Instrument :

BNA_F

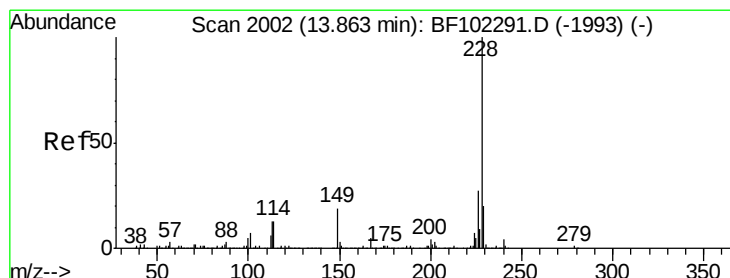
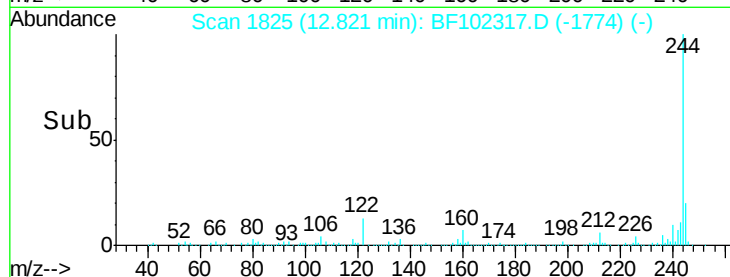
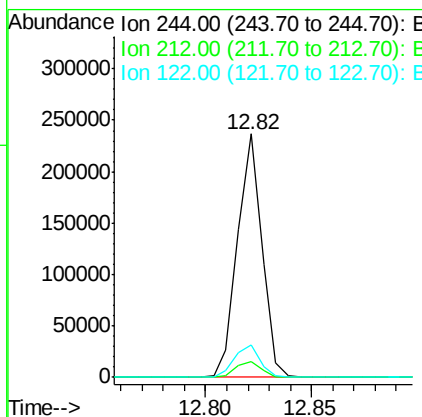
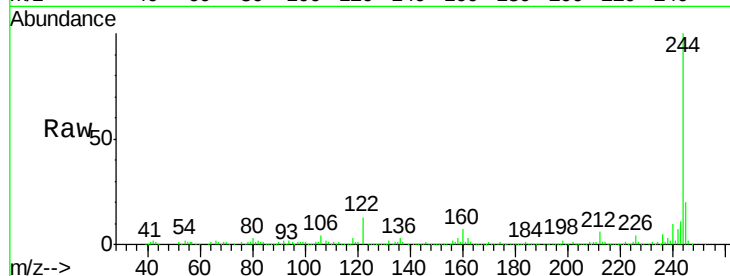
ClientSampleId :

SB-03-7.5-8.0

Tot Ion:	244	Resp:	189361
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.4	8.0
122	13.2	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 6.401 ng

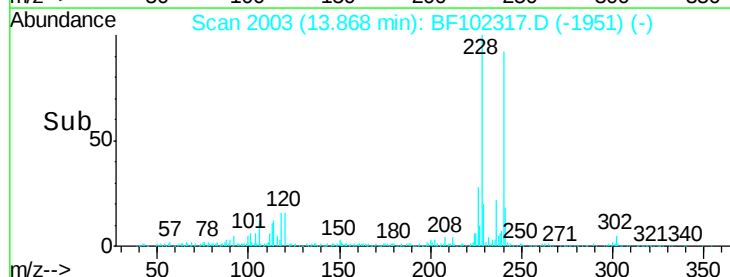
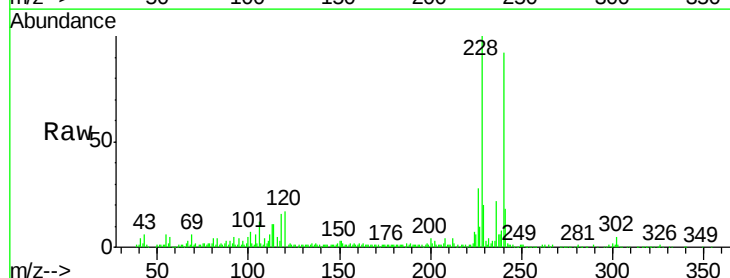
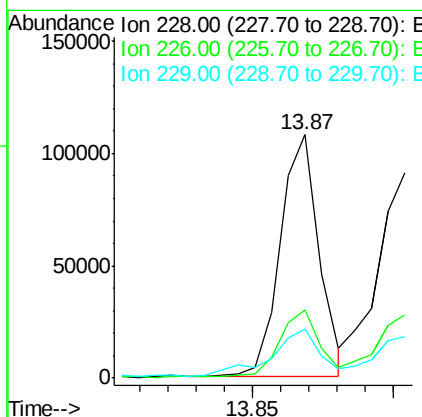
RT: 13.87 min Scan# 2003

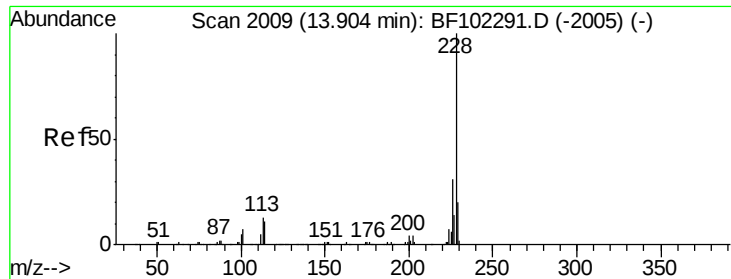
Delta R.T. 0.01 min

Lab File: BF102317.D

Acq: 22 Jan 2018 23:24

Tgt Ion:	228	Resp:	102304
Ion Ratio	Lower	Upper	
228	100		
226	28.3	22.6	33.8
229	20.1	15.8	23.6





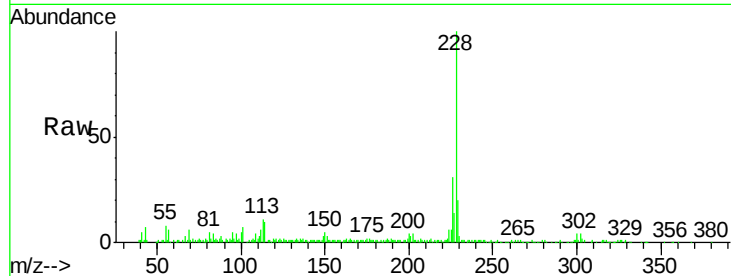
#82
Chrysene
Concen: 5.626 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.00 min
Lab File: BF102317.D
Acq: 22 Jan 2018 23:24

Instrument :
BNA_F
ClientSampleId :
SB-03-7.5-8.0

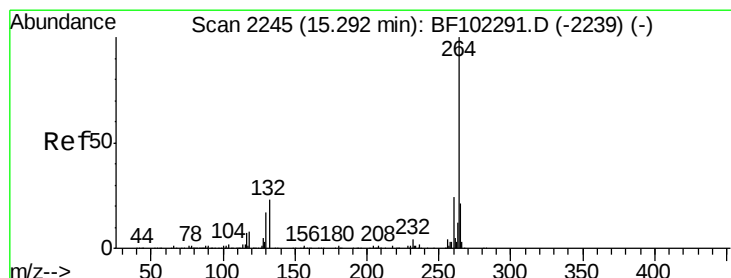
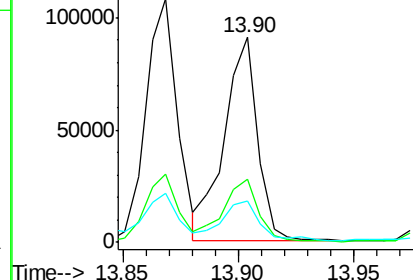
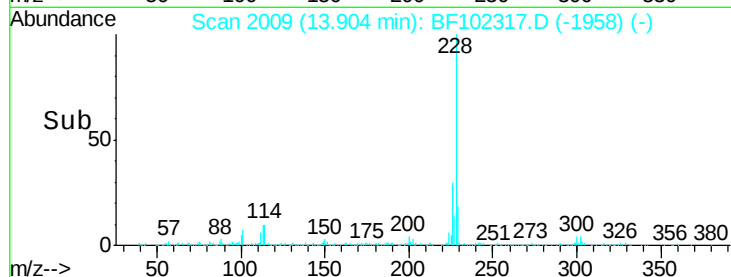
Tot Ion:	228	Resp:	91312
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.0	37.6
229	20.0	16.2	24.4

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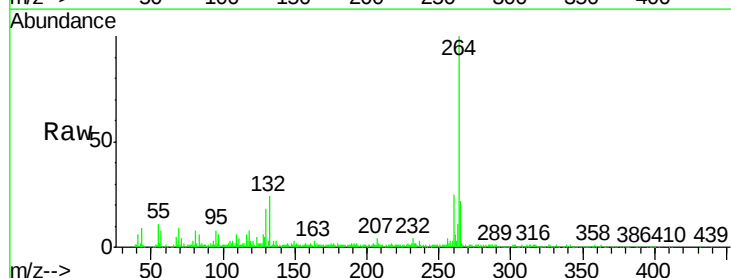


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

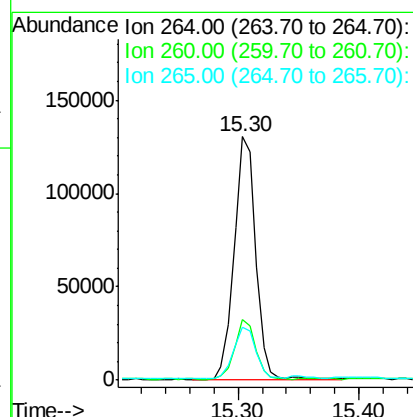
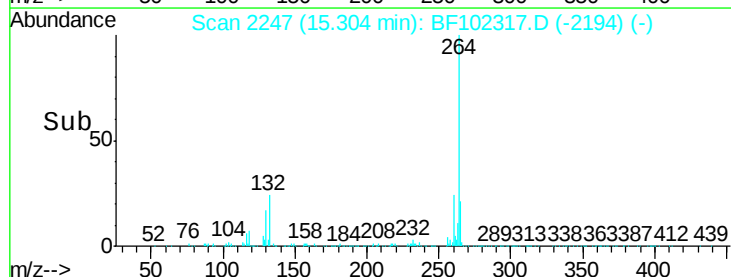


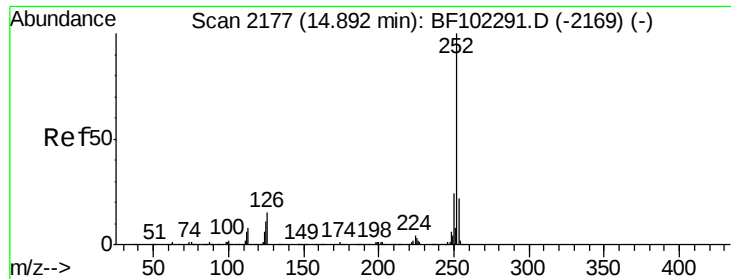
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.01 min
Lab File: BF102317.D
Acq: 22 Jan 2018 23:24

Tgt Ion:	264	Resp:	161159
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.2	28.8
265	21.8	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: 7.142 ng m

RT: 14.90 min Scan# 2178

Delta R.T. 0.01 min

Lab File: BF102317.D

Acq: 22 Jan 2018 23:24

Instrument :

BNA_F

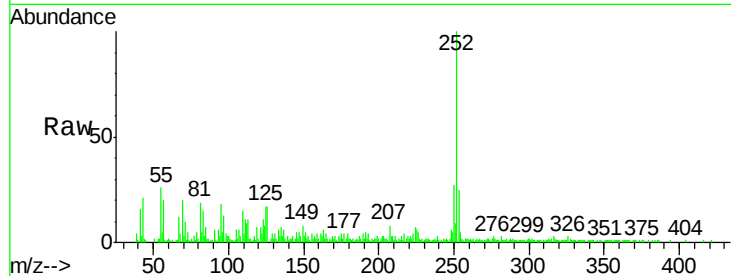
ClientSampleId :

SB-03-7.5-8.0

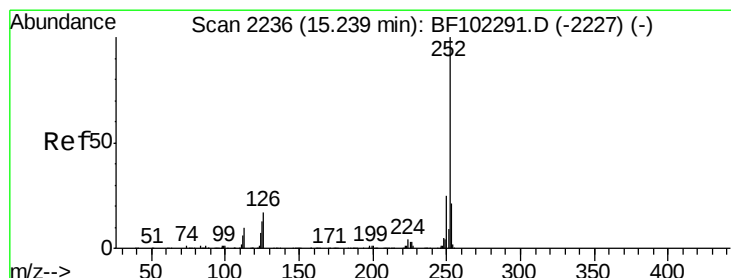
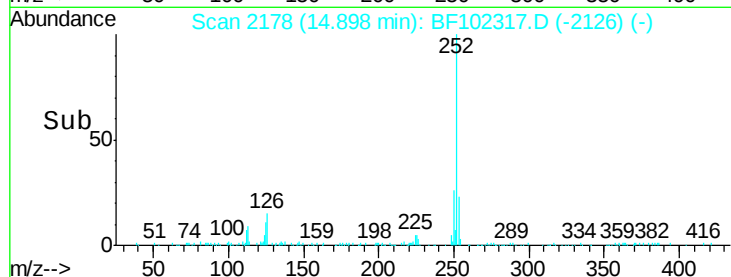
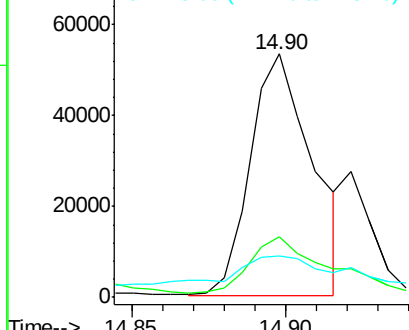
Tot Ion:	252	Resp:	74604
Ion Ratio	Lower	Upper	
252	100		
253	25.1	17.0	25.6
125	17.1	9.0	13.6#

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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



#89

Benzo(a)pyrene

Concen: 5.960 ng

RT: 15.24 min Scan# 2237

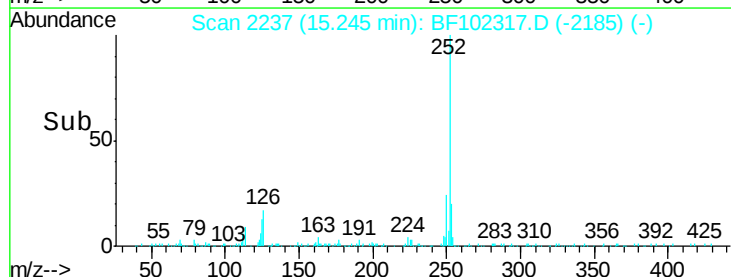
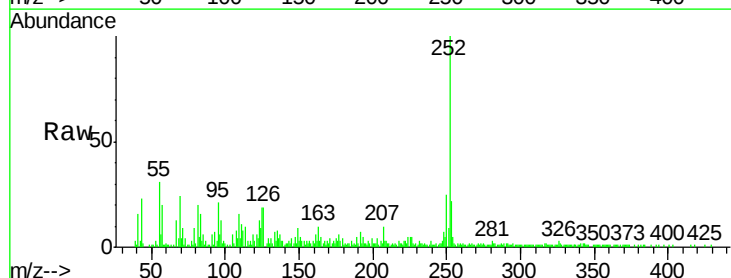
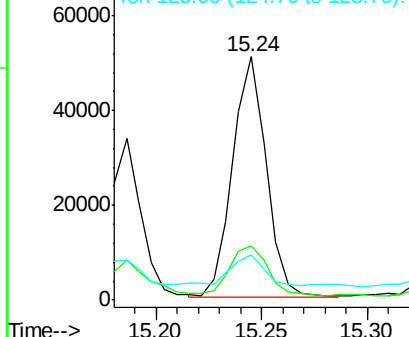
Delta R.T. 0.01 min

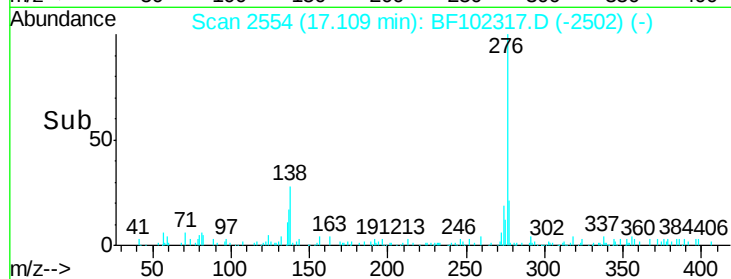
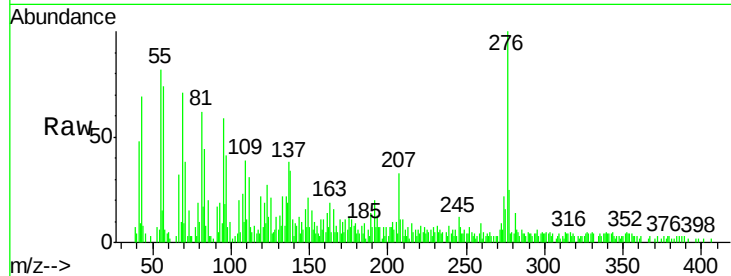
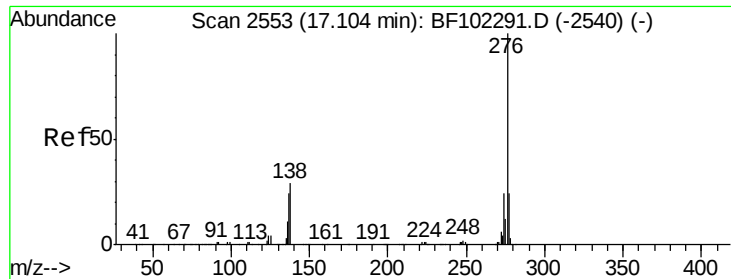
Lab File: BF102317.D

Acq: 22 Jan 2018 23:24

Tgt Ion:	252	Resp:	56144
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.1	25.7
125	18.7	9.8	14.6#

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





#91

Benzo(a,h,i)perylene

Concen: 3.879 ng

RT: 17.11 min Scan# 2554

Delta R.T. 0.01 min

Lab File: BF102317.D

Acq: 22 Jan 2018 23:24

Instrument :

BNA_F

ClientSampleId :

SB-03-7.5-8.0

Tot Ion:	276	Resp:	29228
Ion Ratio	Lower	Upper	
276	100		
277	25.3	17.9	26.9
138	34.5	21.8	32.8

Manual Integrations
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