

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103239.D
 Acq On : 27 Feb 2018 1:02
 Operator : SJ/JU
 Sample : J1660-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 RT-3025

Manual Integrations
 APPROVED

Sohil
 2/27/2018 12:23:16 PM

Quant Time: Feb 27 03:08:15 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	142181	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	563941	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	215634	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	329833	20.00	ng	0.00
75) Chrysene-d12	14.06	240	226100	20.00	ng	0.00
86) Perylene-d12	15.56	264	164056	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	827467	88.02	ng	0.01
7) Phenol-d6	6.51	99	966135	83.99	ng	0.00
23) Nitrobenzene-d5	7.44	82	543357	55.02	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	135232	74.09	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	848064	63.76	ng	0.00
78) Terphenyl-d14	12.99	244	614213	65.30	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.62	163	71953	4.159	ng	98
70) Phenanthrene	11.43	178	67579	3.723	ng	99
74) Fluoranthene	12.62	202	199135	10.917	ng	98
77) Pyrene	12.86	202	198747	11.274	ng	98
80) Benzo(a)anthracene	14.04	228	97724m	6.661	ng	
82) Chrysene	14.08	228	100687m	7.069	ng	
85) Indeno(1,2,3-cd)pyrene	17.07	276	37040	3.285	ng	97
87) Benzo(b)fluoranthene	15.12	252	107476m	9.964	ng	
88) Benzo(k)fluoranthene	15.14	252	38117m	3.753	ng	
89) Benzo(a)pyrene	15.49	252	72982	7.577	ng	# 93
91) Benzo(g,h,i)perylene	17.54	276	37427	5.145	ng	95

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

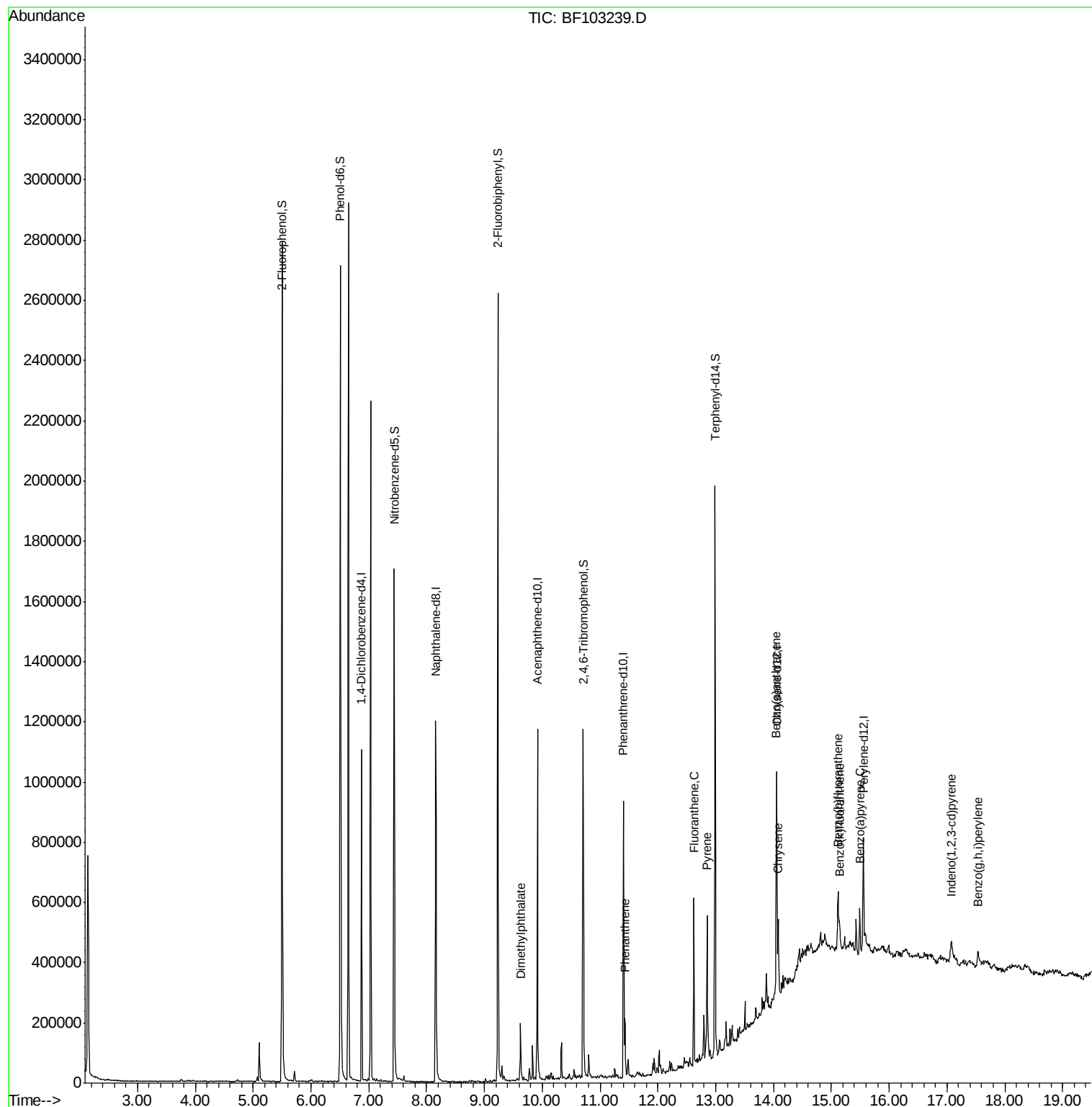
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
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Sample : J1660-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

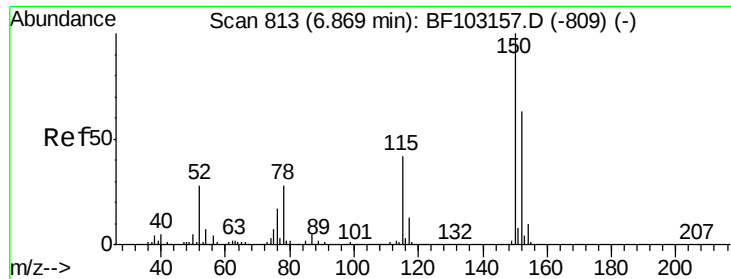
Instrument :
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Quant Time: Feb 27 03:08:15 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
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#1

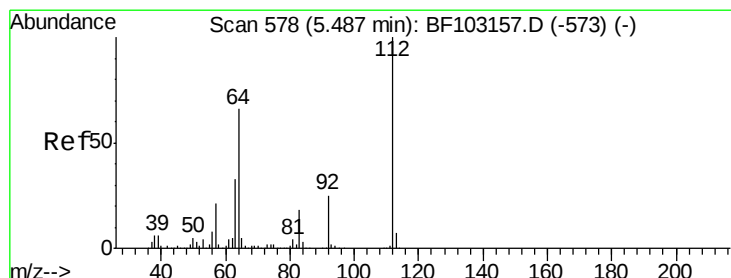
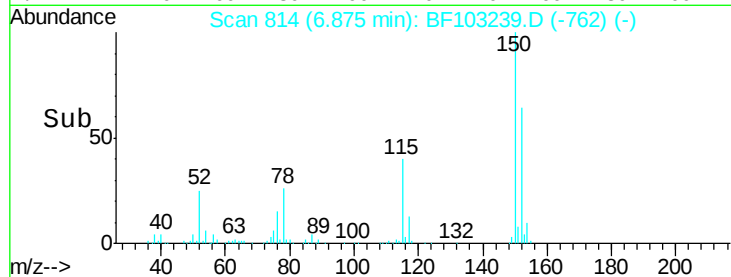
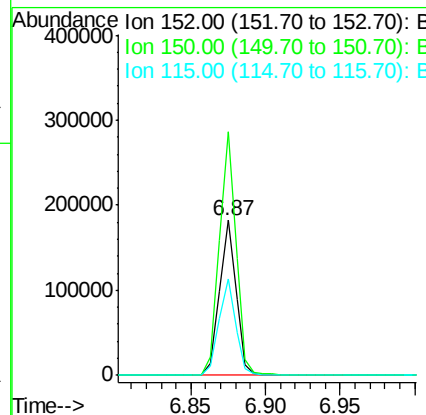
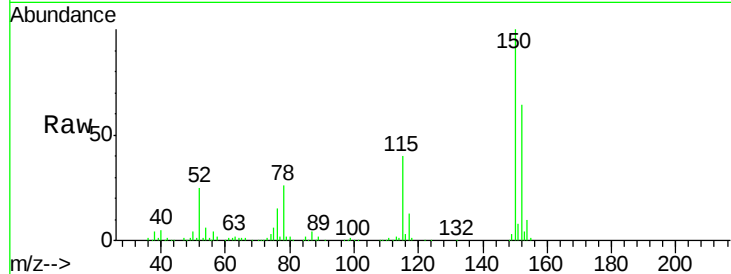
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF103239.D
Acq: 27 Feb 2018 1:02

Instrument :
BNA_F
ClientSampleId :
RT-3025

Tot Ion	Ratio	Resp	Lower	Upper
152	100	142181		
150	157.1	124.6	186.8	
115	62.1	50.1	75.1	

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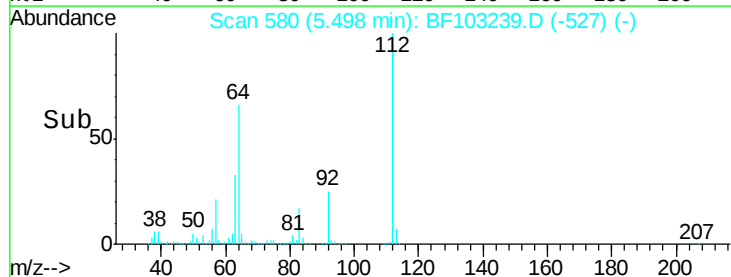
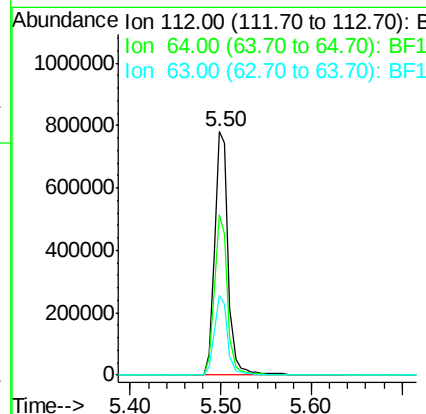
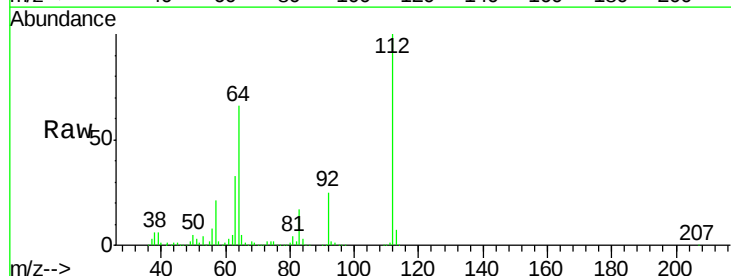
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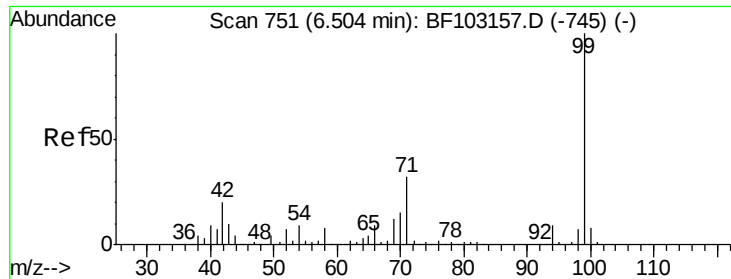


#5

2-Fluorophenol
Concen: 88.021 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103239.D
Acq: 27 Feb 2018 1:02

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	827467		
64	66.0	47.9	71.9	
63	32.8	23.7	35.5	





#7

Phenol-d6

Concen: 83.987 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF103239.D

Acq: 27 Feb 2018 1:02

Instrument :

BNA_F

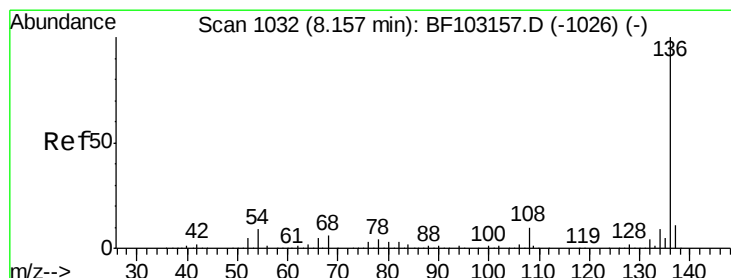
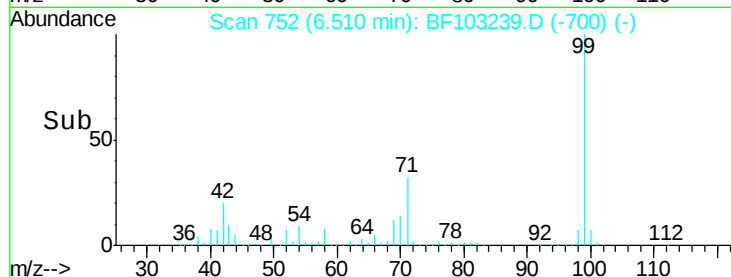
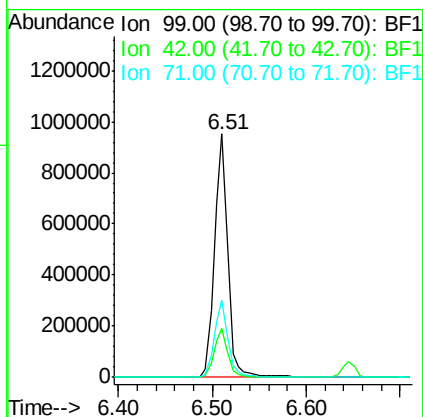
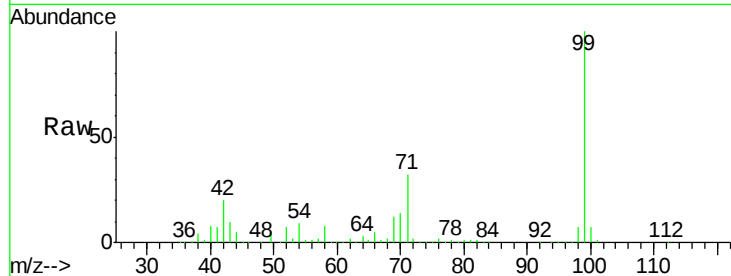
ClientSampleId :

RT-3025

Tot Ion:	99	Resp:	966135
Ion Ratio	Lower	Upper	
99	100		
42	20.0	14.5	21.7
71	31.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

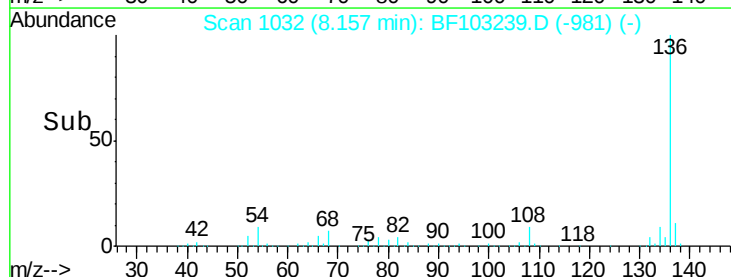
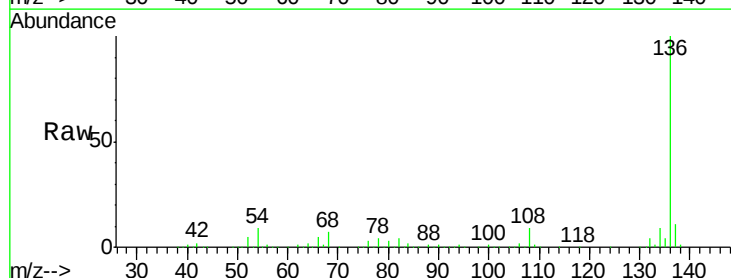
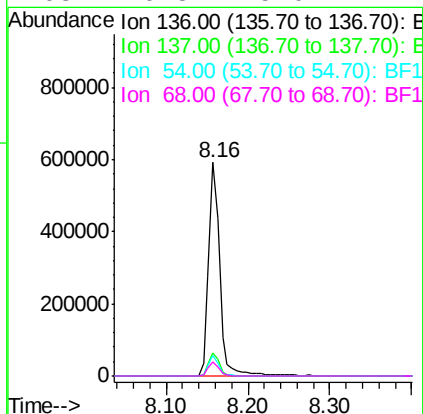
RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF103239.D

Acq: 27 Feb 2018 1:02

Tgt Ion:	136	Resp:	563941
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	9.4	6.6	9.8
68	6.8	5.0	7.4





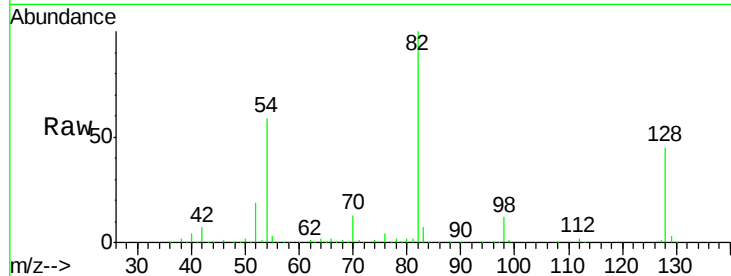
#23
 Nitrobenzene-d5
 Concen: 55.024 ng
 RT: 7.44 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: BF103239.D
 Acq: 27 Feb 2018 1:02

Instrument :
 BNA_F
 ClientSampled :
 RT-3025

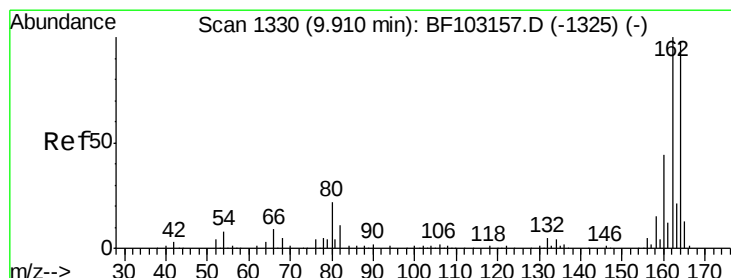
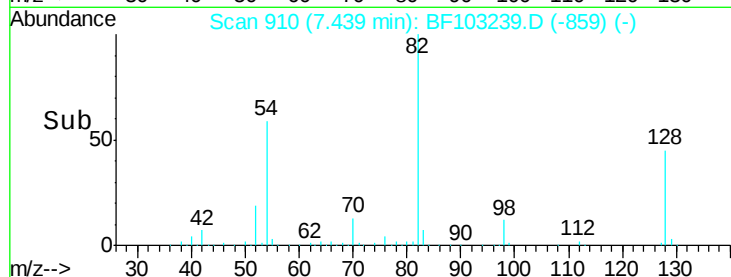
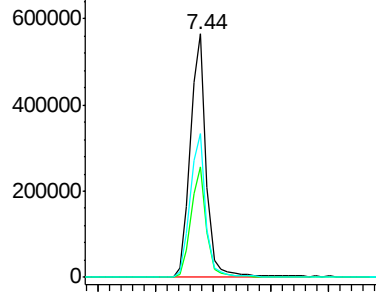
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.4	36.1	54.1	
54	58.8	41.4	62.2	

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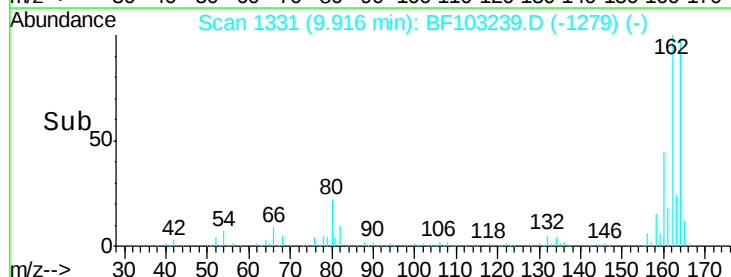
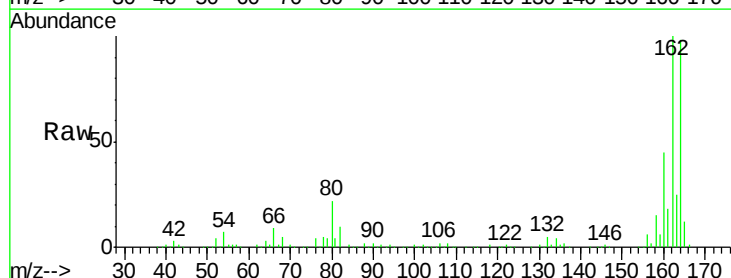
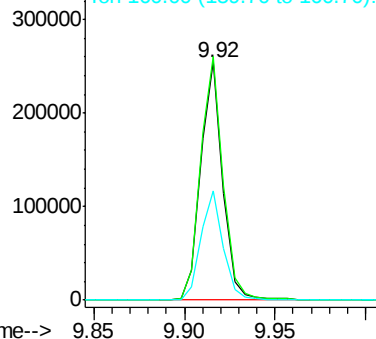
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

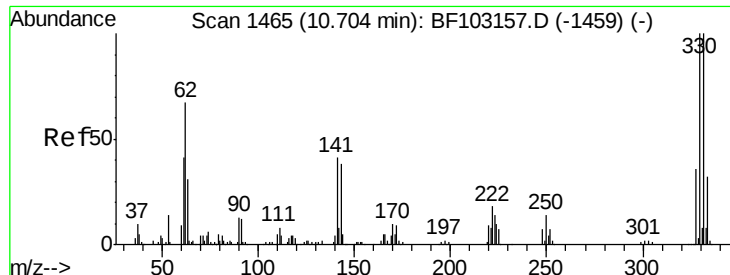


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: BF103239.D
 Acq: 27 Feb 2018 1:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.3	86.1	129.1	
160	46.1	38.3	57.5	

Abundance Ion 164.00 (163.70 to 164.70): BF1
 Ion 162.00 (161.70 to 162.70): BF1
 Ion 160.00 (159.70 to 160.70): BF1





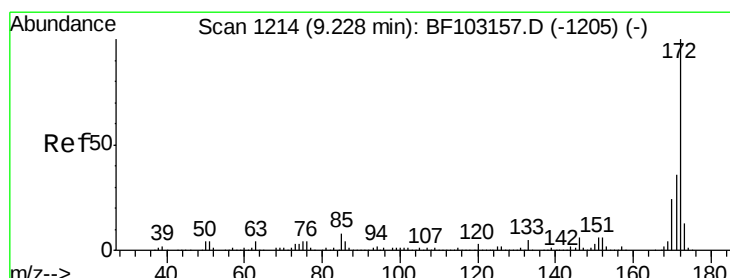
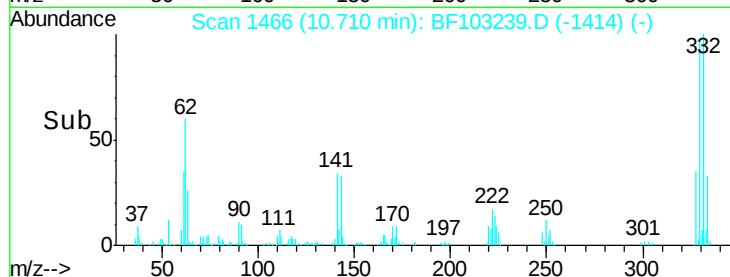
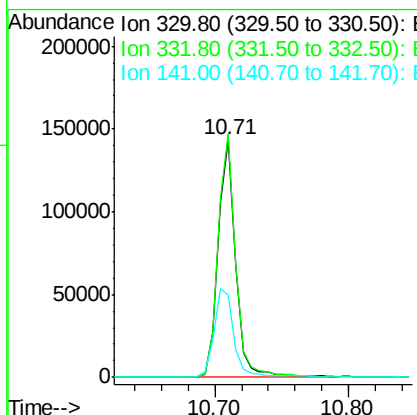
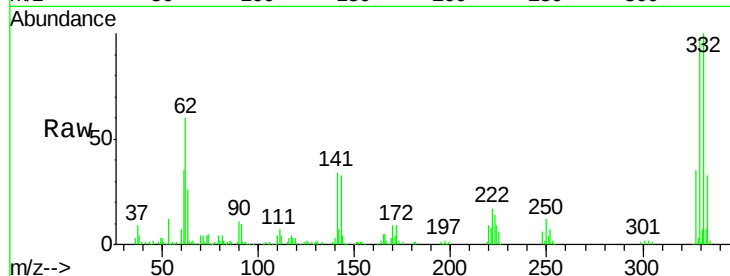
#41
 2,4,6-Tribromophenol
 Concen: 74.091 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.01 min
 Lab File: BF103239.D
 Acq: 27 Feb 2018 1:02

Instrument :
 BNA_F
 ClientSampleId :
 RT-3025

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	103.1	77.0	115.6	
141	42.6	29.9	44.9	

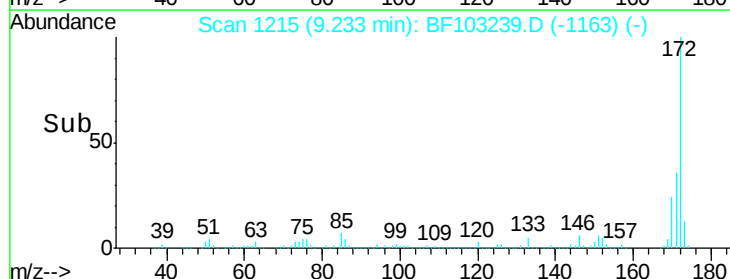
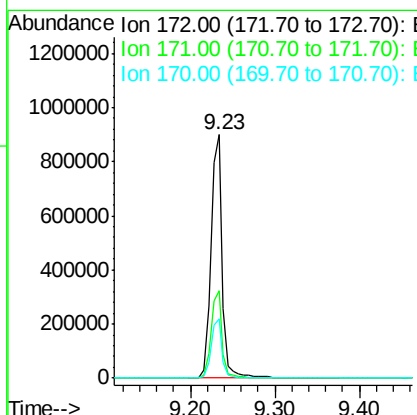
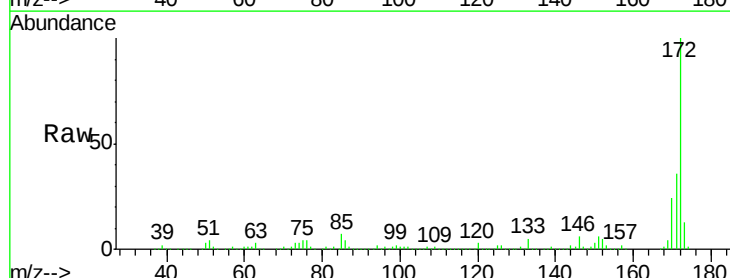
Manual Integrations
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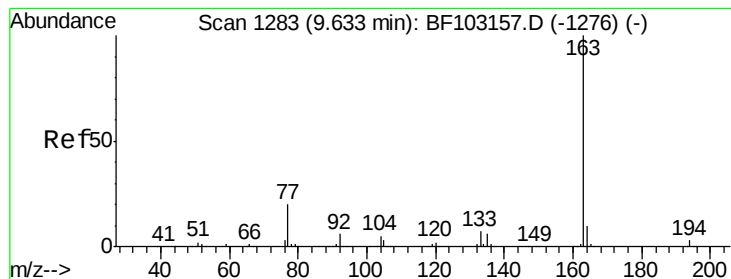
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#44
 2-Fluorobiphenyl
 Concen: 63.764 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. 0.01 min
 Lab File: BF103239.D
 Acq: 27 Feb 2018 1:02

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.7	29.7	44.5	
170	24.4	19.6	29.4	





#49

Dimethylphthalate

Concen: 4.159 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF103239.D

Acq: 27 Feb 2018 1:02

Instrument :

BNA_F

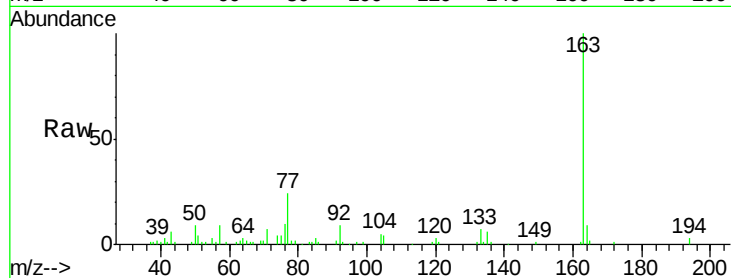
ClientSampleId :

RT-3025

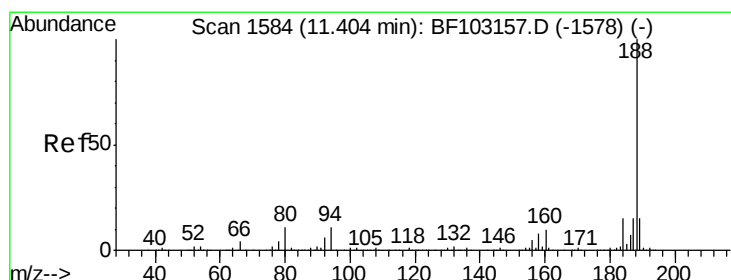
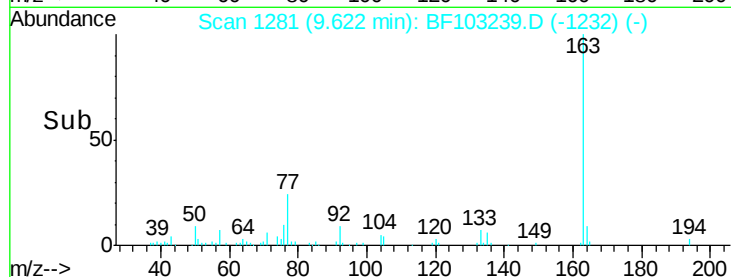
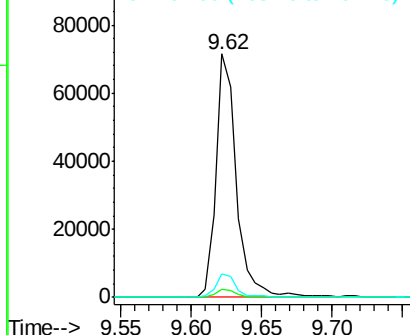
Tot Ion:	163	Resp:	71953
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.7	4.1
164	9.4	8.2	12.2

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

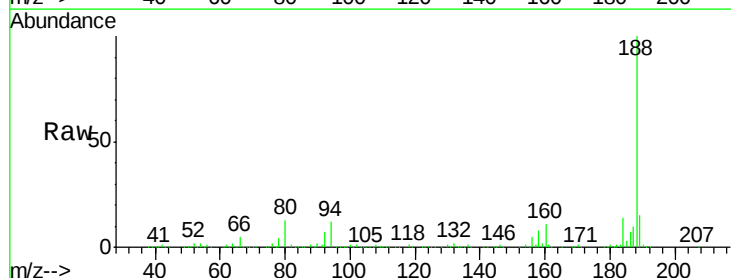
RT: 11.40 min Scan# 1584

Delta R.T. 0.00 min

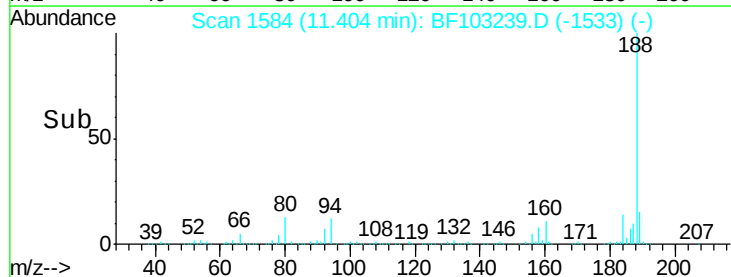
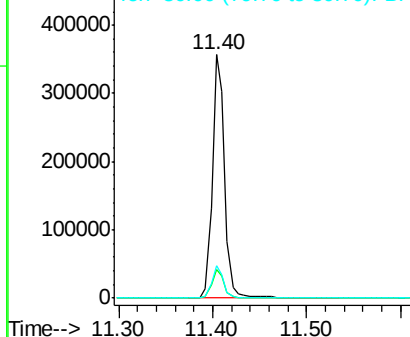
Lab File: BF103239.D

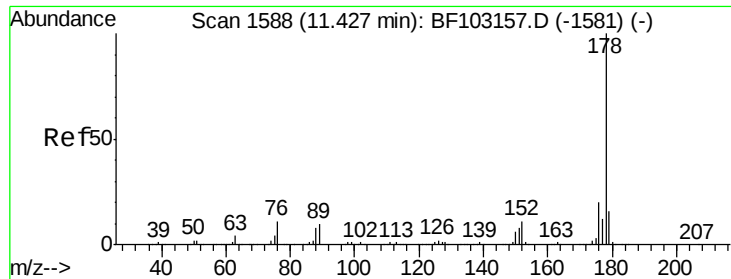
Acq: 27 Feb 2018 1:02

Tgt Ion:	188	Resp:	329833
Ion Ratio	Lower	Upper	
188	100		
94	11.9	8.5	12.7
80	13.2	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





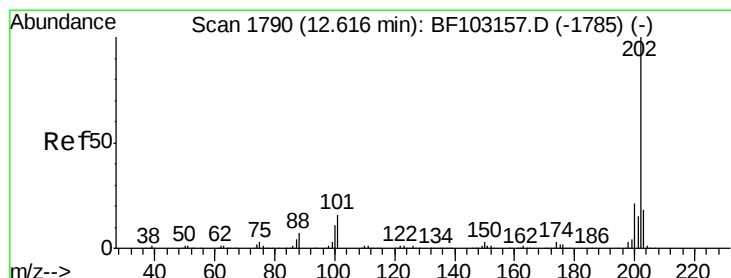
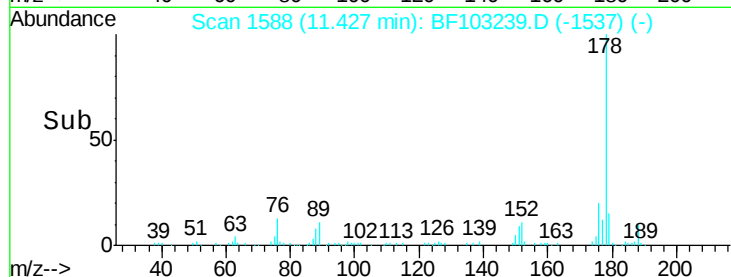
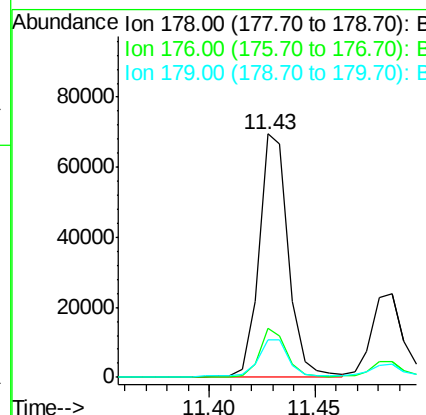
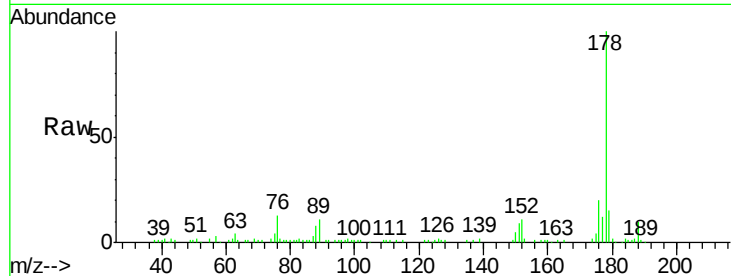
#70
Phenanthrene
Concen: 3.723 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.00 min
Lab File: BF103239.D
Acq: 27 Feb 2018 1:02

Instrument :
BNA_F
ClientSampleId :
RT-3025

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	15.4	13.0	19.6

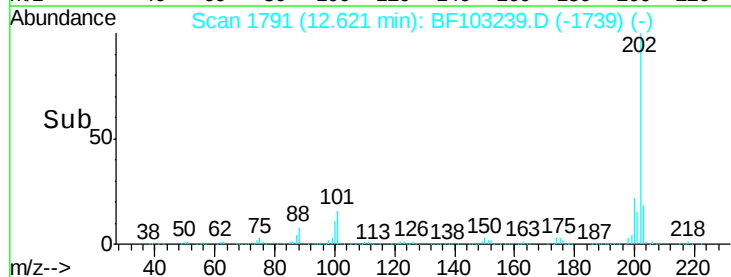
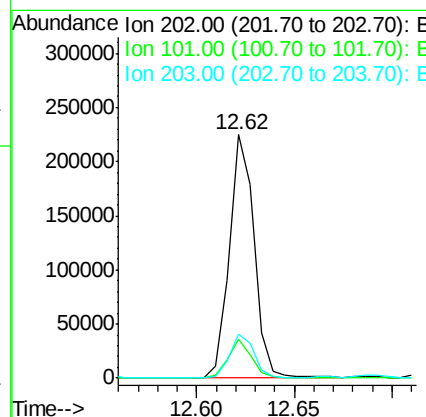
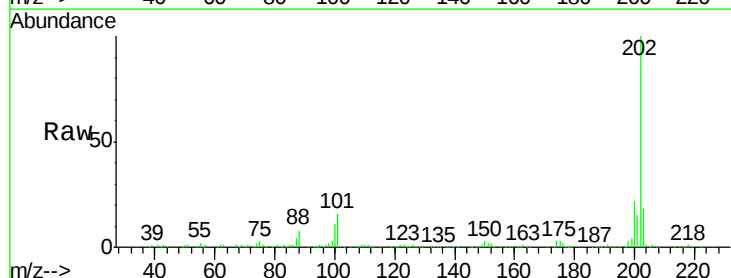
Manual Integrations
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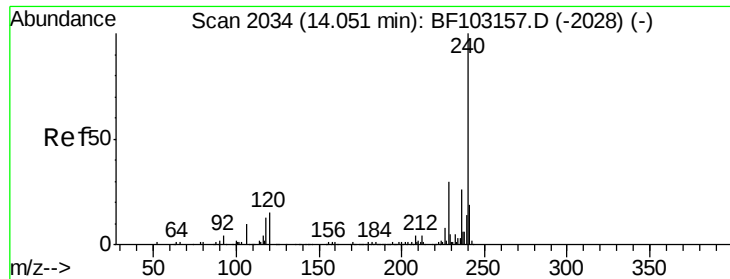
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#74
Fluoranthene
Concen: 10.917 ng
RT: 12.62 min Scan# 1791
Delta R.T. 0.01 min
Lab File: BF103239.D
Acq: 27 Feb 2018 1:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.9	0.0	34.1
203	18.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF103239.D

Acq: 27 Feb 2018 1:02

Instrument :

BNA_F

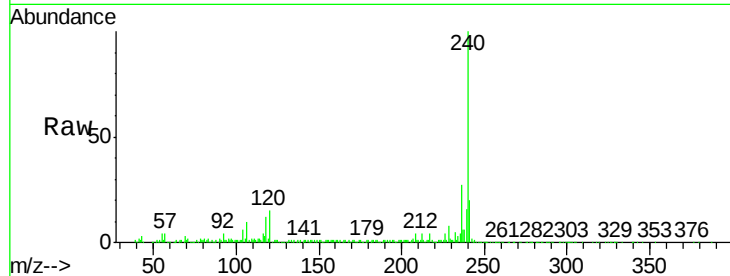
ClientSampleId :

RT-3025

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.7	9.5	14.3
236	27.0	20.7	31.1

Manual Integrations
APPROVED

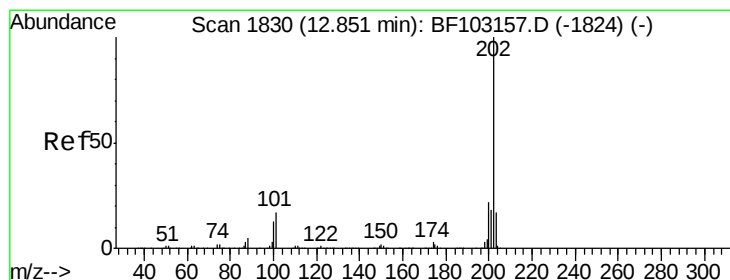
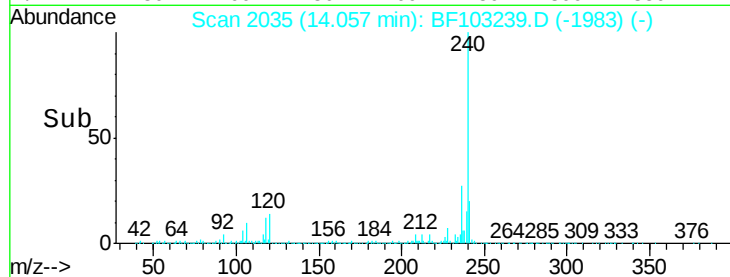
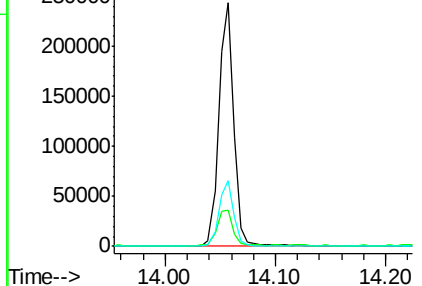
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 11.274 ng

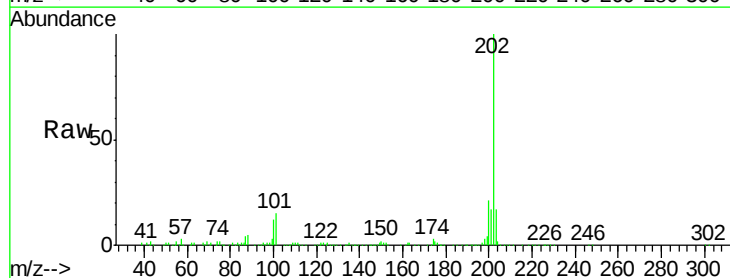
RT: 12.86 min Scan# 1831

Delta R.T. 0.01 min

Lab File: BF103239.D

Acq: 27 Feb 2018 1:02

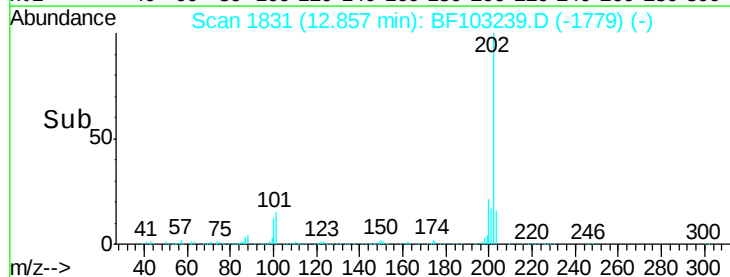
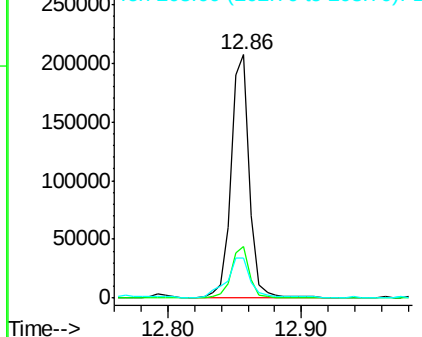
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	16.6	14.3	21.5

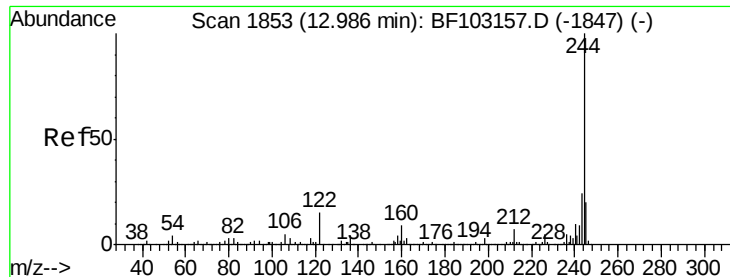


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





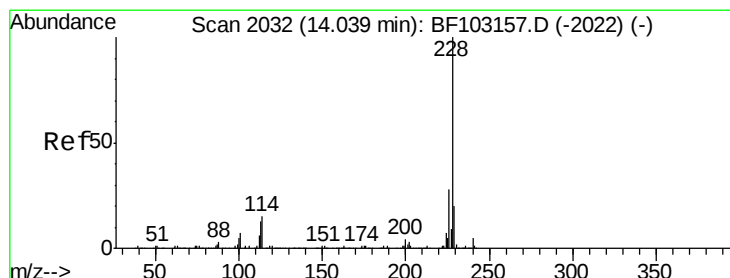
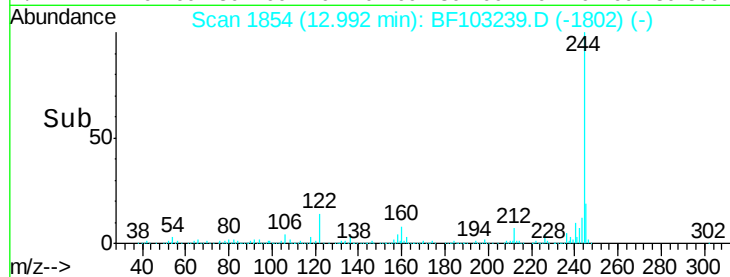
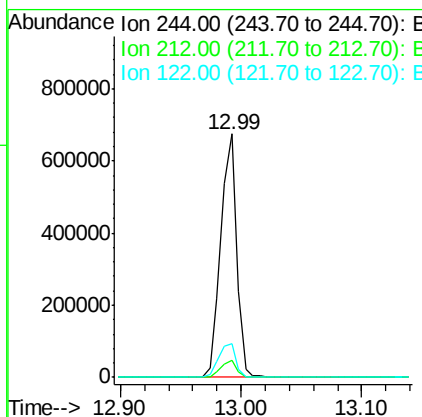
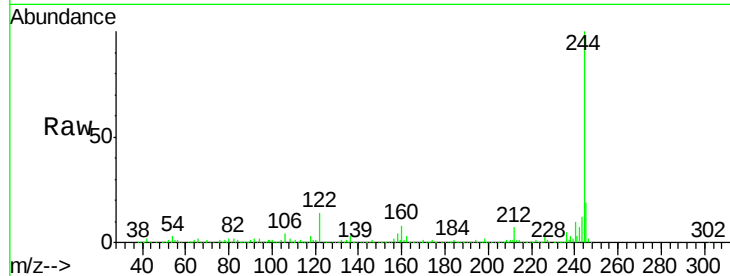
#78
 Terphenyl-d14
 Concen: 65.302 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. 0.01 min
 Lab File: BF103239.D
 Acq: 27 Feb 2018 1:02

Instrument :
 BNA_F
 ClientSampled :
 RT-3025

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	14.0	11.0	16.4

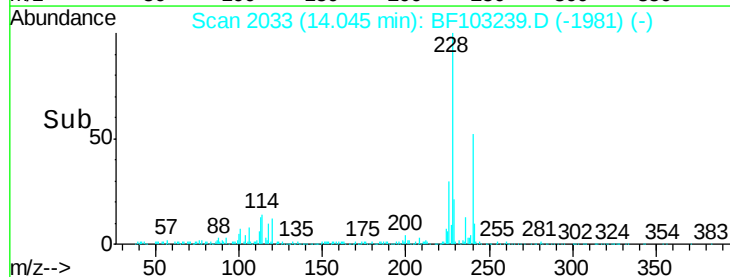
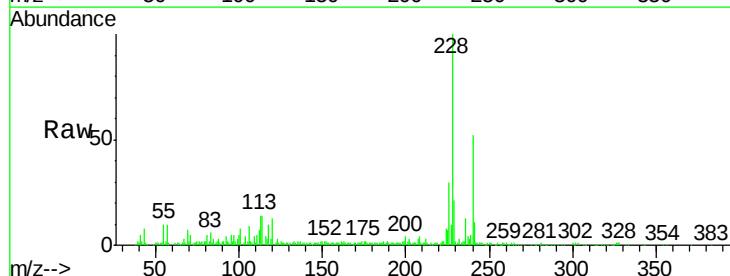
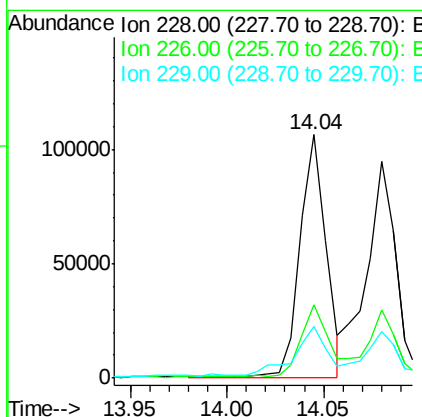
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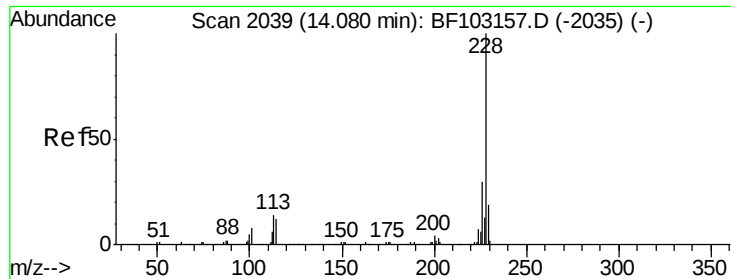
Sohil
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#80
 Benzo(a)anthracene
 Concen: 6.661 ng m
 RT: 14.04 min Scan# 2033
 Delta R.T. 0.01 min
 Lab File: BF103239.D
 Acq: 27 Feb 2018 1:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.6	33.8
229	21.2	15.8	23.6





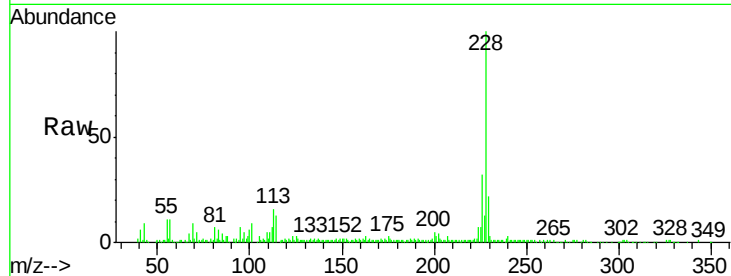
#82
Chrysene
Concen: 7.069 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.00 min
Lab File: BF103239.D
Acq: 27 Feb 2018 1:02

Instrument :
BNA_F
ClientSampleId :
RT-3025

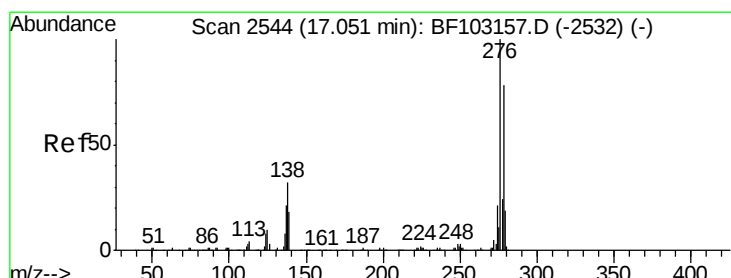
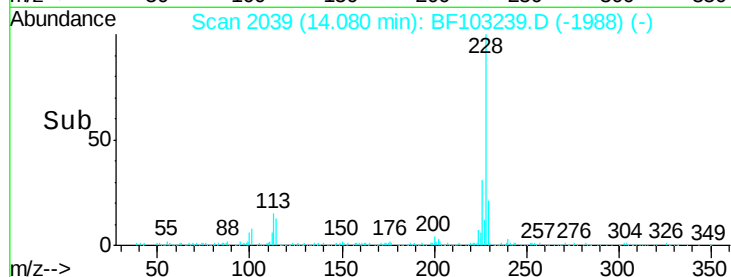
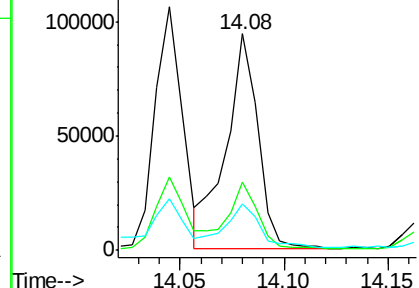
Tot Ion:	228	Resp:	100687
Ion Ratio	Lower	Upper	
228	100		
226	31.5	25.0	37.6
229	21.7	16.2	24.4

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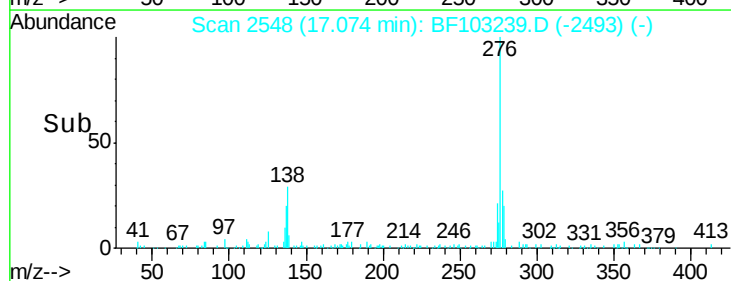
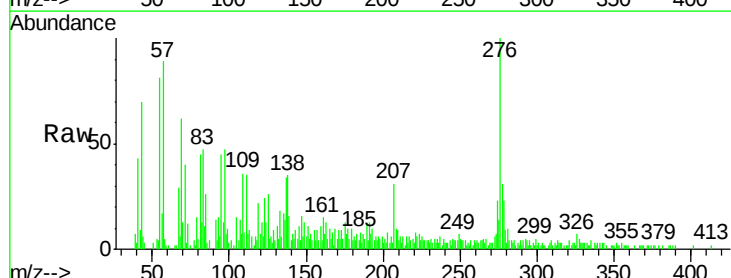
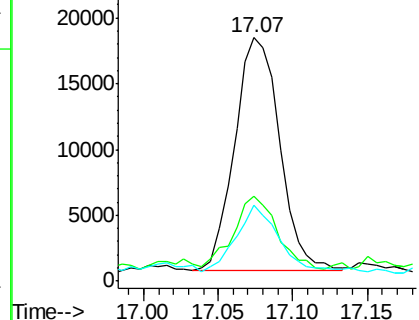
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

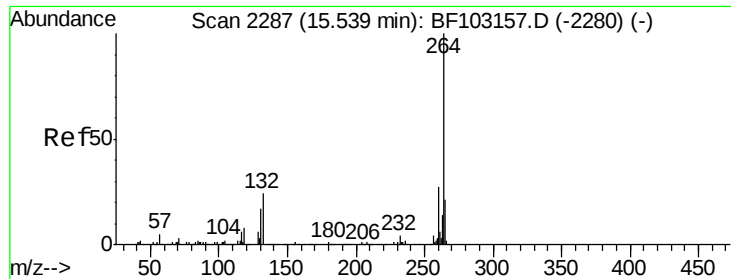


#85
Indeno(1,2,3-cd)pyrene
Concen: 3.285 ng
RT: 17.07 min Scan# 2548
Delta R.T. 0.02 min
Lab File: BF103239.D
Acq: 27 Feb 2018 1:02

Tgt Ion:	276	Resp:	37040
Ion Ratio	Lower	Upper	
276	100		
138	30.5	25.0	37.6
277	27.9	20.1	30.1

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





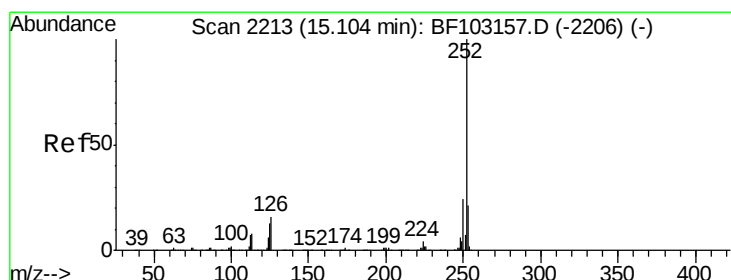
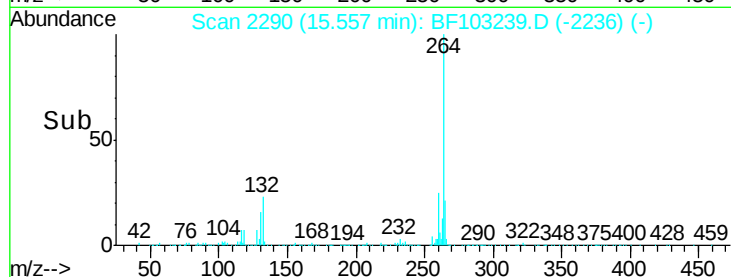
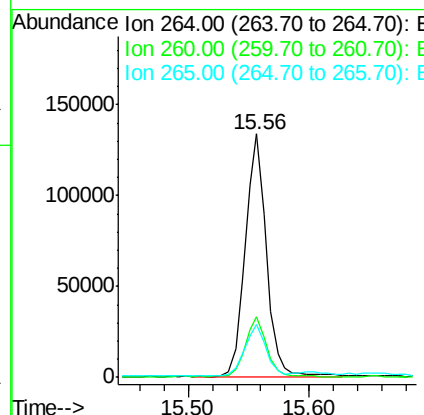
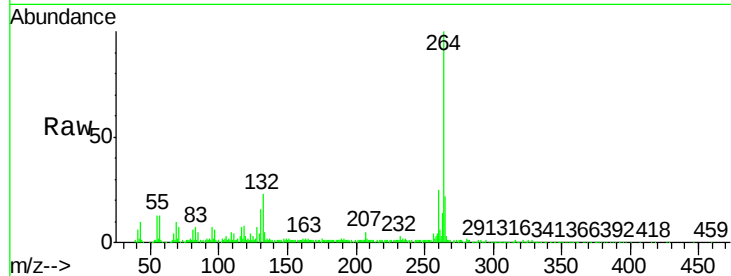
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. 0.02 min
Lab File: BF103239.D
Acq: 27 Feb 2018 1:02

Instrument :
BNA_F
ClientSampleId :
RT-3025

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	21.7	17.5	26.3

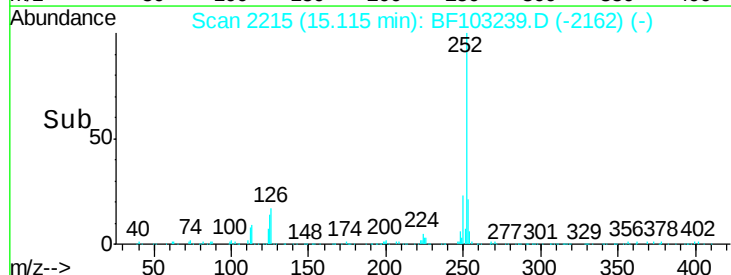
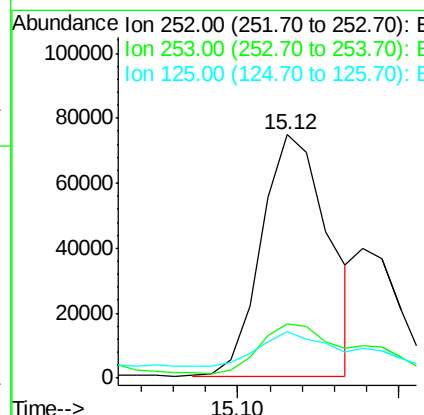
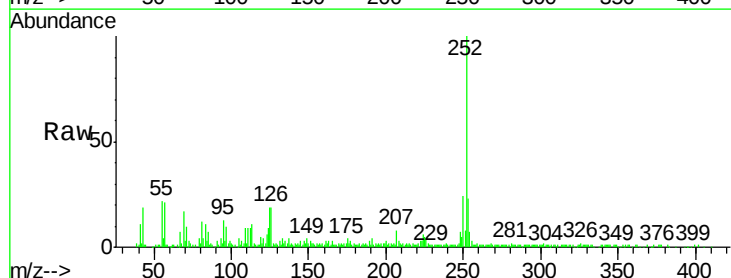
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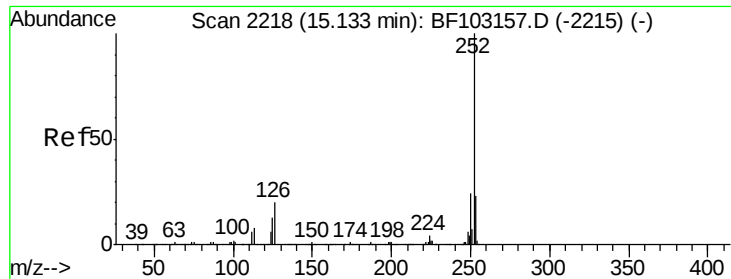
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#87
Benzo(b)fluoranthene
Concen: 9.964 ng m
RT: 15.12 min Scan# 2215
Delta R.T. 0.01 min
Lab File: BF103239.D
Acq: 27 Feb 2018 1:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	19.3	9.0	13.6





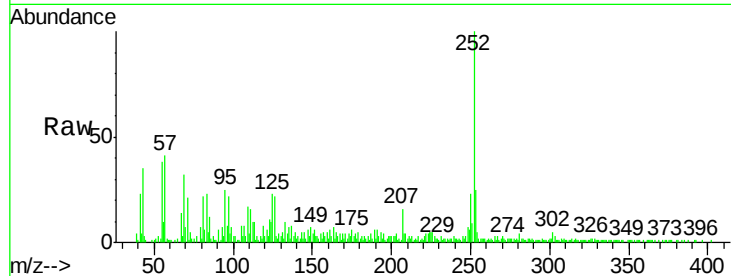
#88
Benzo(k)fluoranthene
Concen: 3.753 ng m
RT: 15.14 min Scan# 2219
Delta R.T. 0.01 min
Lab File: BF103239.D
Acq: 27 Feb 2018 1:02

Instrument :
BNA_F
ClientSampled :
RT-3025

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	23.4	10.2	15.2

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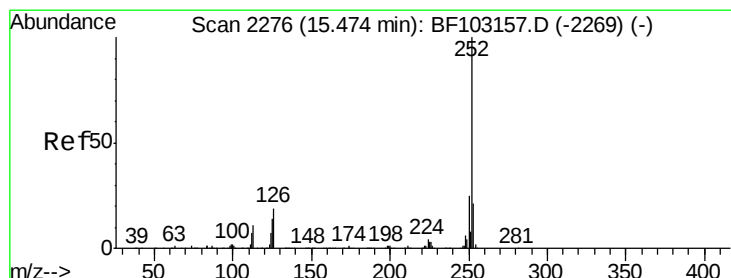
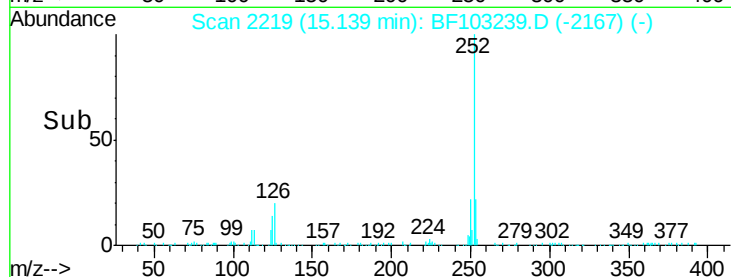
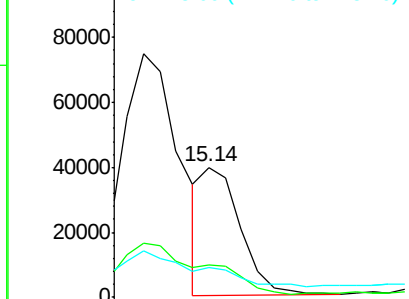


Abundance

Ion 252.00 (251.70 to 252.70): E

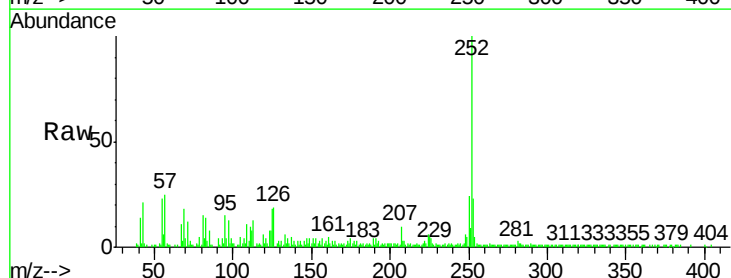
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 7.577 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF103239.D
Acq: 27 Feb 2018 1:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	17.6	9.8	14.6

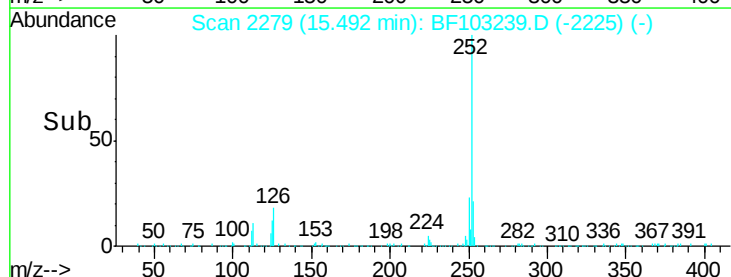
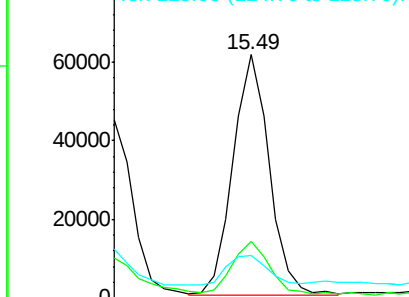


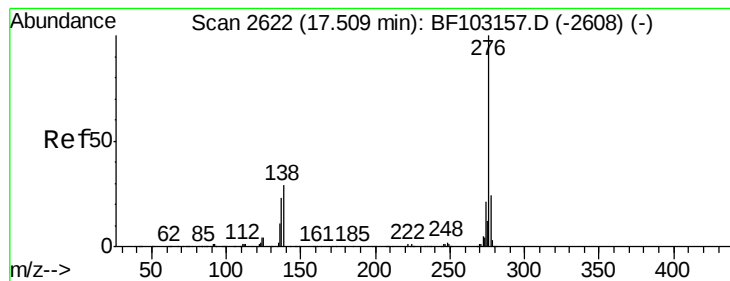
Abundance

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: 5.145 ng

RT: 17.54 min Scan# 2628

Delta R.T. 0.04 min

Lab File: BF103239.D

Acq: 27 Feb 2018 1:02

Instrument :

BNA_F

ClientSampleId :

RT-3025

Tot Ion:	276	Resp:	37427
Ion Ratio	Lower	Upper	
276	100		
277	25.9	17.9	26.9
138	28.9	21.8	32.8

Manual Integrations
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