

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103241.D
 Acq On : 27 Feb 2018 1:55
 Operator : SJ/JU
 Sample : J1660-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-4632

Manual Integrations
 APPROVED

Sohil
 2/27/2018 12:23:42 PM

Quant Time: Feb 27 03:13:15 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	162659	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	640221	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	248607	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	368591	20.00	ng	0.00
75) Chrysene-d12	14.06	240	249025	20.00	ng	0.00
86) Perylene-d12	15.55	264	183470	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1131867	105.24	ng	0.02
7) Phenol-d6	6.52	99	1323554	100.57	ng	0.01
23) Nitrobenzene-d5	7.44	82	798711	71.25	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	197842	94.02	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1136375	76.98	ng	0.00
78) Terphenyl-d14	12.99	244	788155	76.08	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.62	163	123050	6.170	ng	98
70) Phenanthrene	11.43	178	332976	16.415	ng	99
71) Anthracene	11.48	178	104901	5.043	ng	100
74) Fluoranthene	12.63	202	537645	26.376	ng	98
77) Pyrene	12.86	202	475218	24.476	ng	100
80) Benzo(a)anthracene	14.05	228	211764m	13.106	ng	
82) Chrysene	14.08	228	202037m	12.878	ng	
85) Indeno(1,2,3-cd)pyrene	17.07	276	73186	5.892	ng	97
87) Benzo(b)fluoranthene	15.12	252	260309	21.579	ng	# 92
88) Benzo(k)fluoranthene	15.12	252	260309	22.916	ng	# 95
89) Benzo(a)pyrene	15.49	252	134645	12.499	ng	# 94
90) Dibenzo(a,h)anthracene	17.07	278	19580	2.352	ng	# 75
91) Benzo(a,h,i)perylene	17.54	276	68861	8.465	ng	95

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

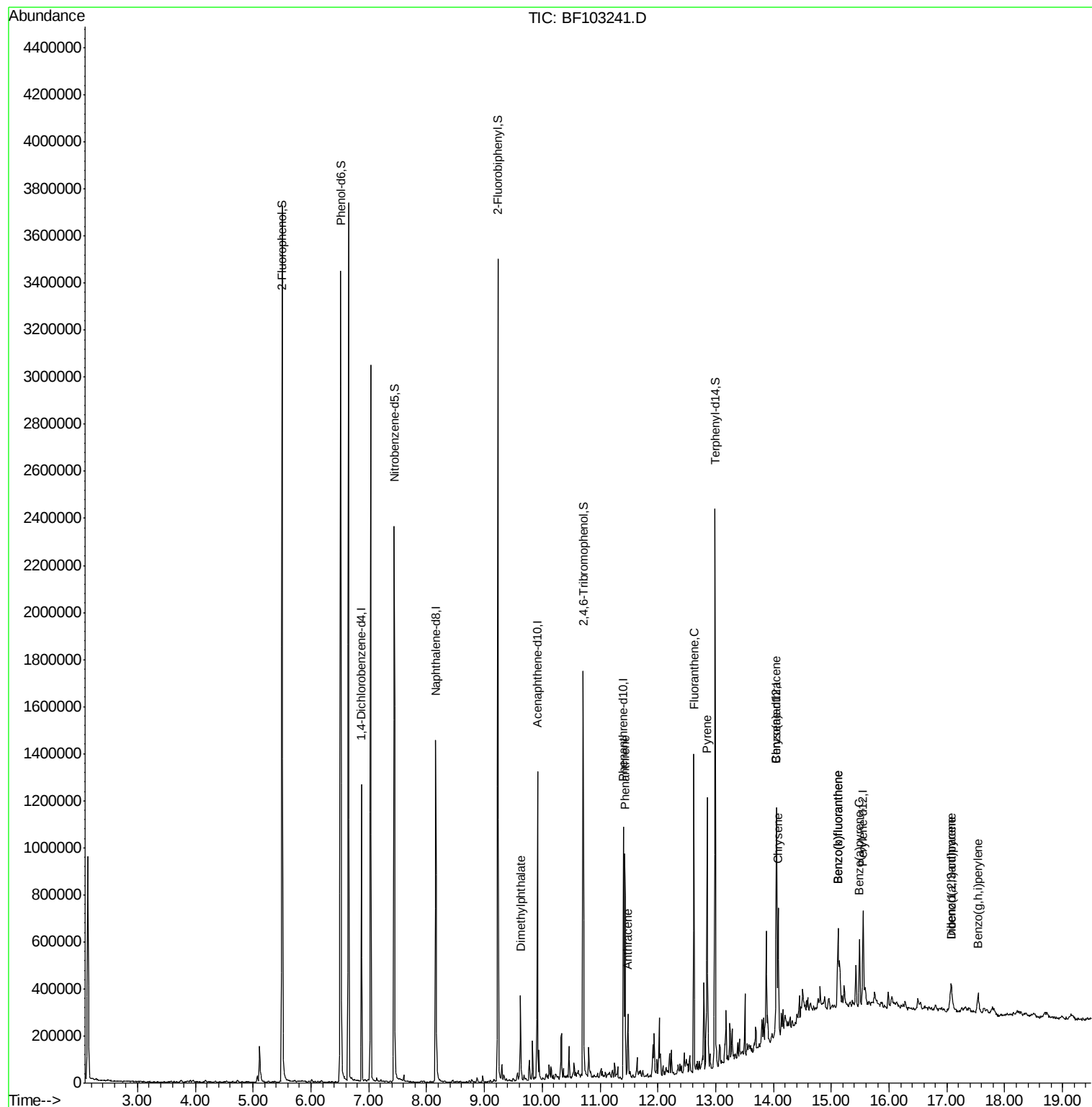
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103241.D
Acq On : 27 Feb 2018 1:55
Operator : SJ/JU
Sample : J1660-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

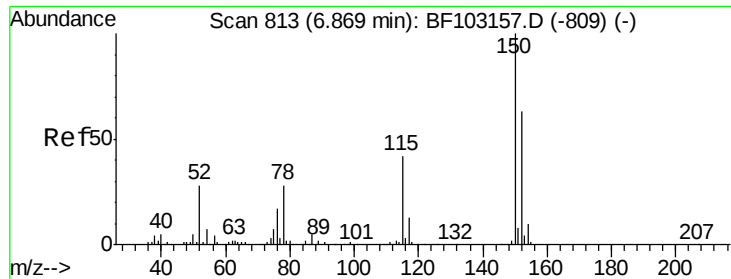
Instrument :
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#1

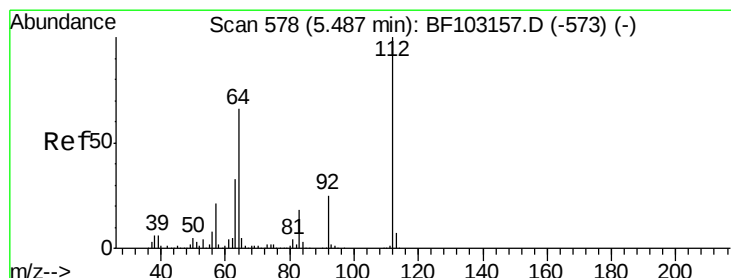
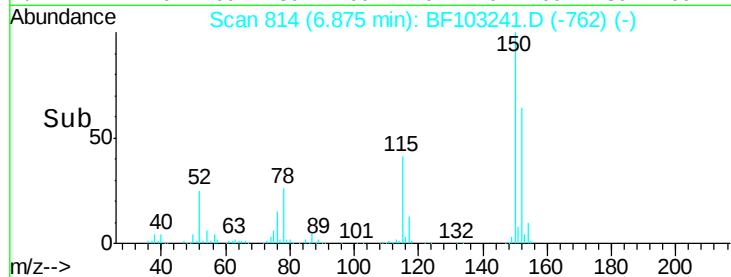
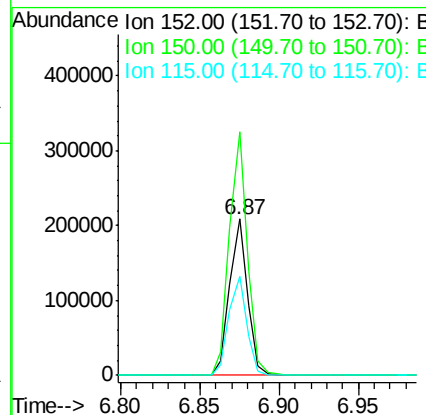
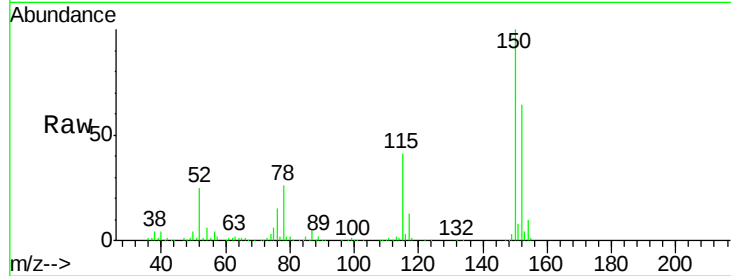
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF103241.D
Acq: 27 Feb 2018 1:55

Instrument :
BNA_F
ClientSampleId :
RT-4632

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.6	186.8
115	63.1	50.1	75.1

Manual Integrations
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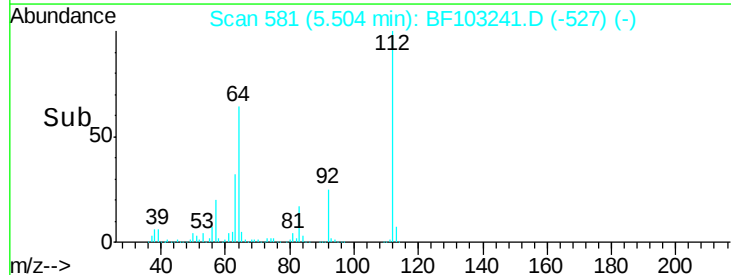
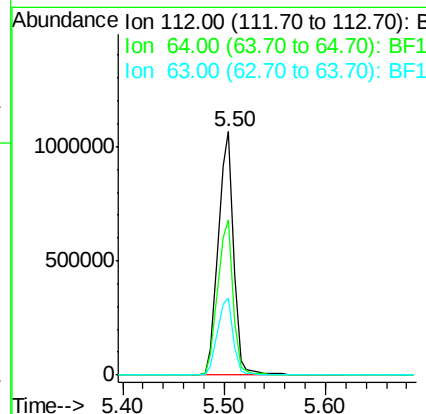
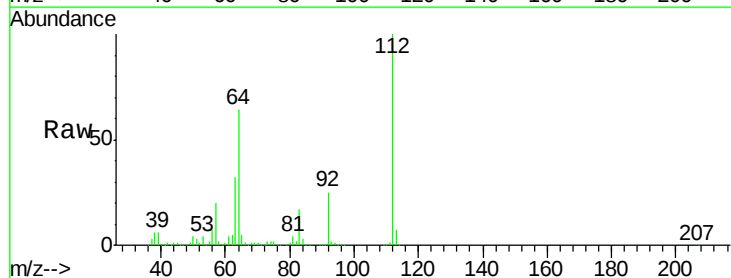
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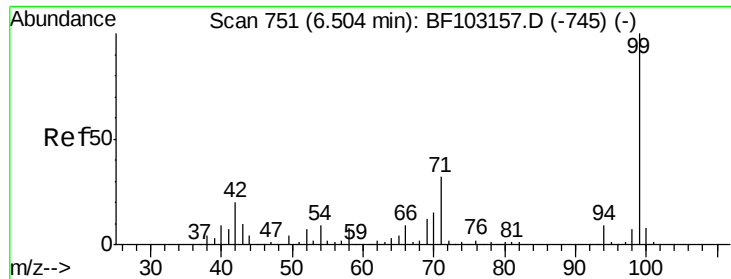


#5

2-Fluorophenol
Concen: 105.243 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.02 min
Lab File: BF103241.D
Acq: 27 Feb 2018 1:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.7	47.9	71.9
63	31.7	23.7	35.5





#7

Phenol-d6

Concen: 100.573 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103241.D

Acq: 27 Feb 2018 1:55

Instrument :

BNA_F

ClientSampleId :

RT-4632

Tot Ion: 99 Resp: 1323554

Ion Ratio Lower Upper

99 100

42 19.5 14.5 21.7

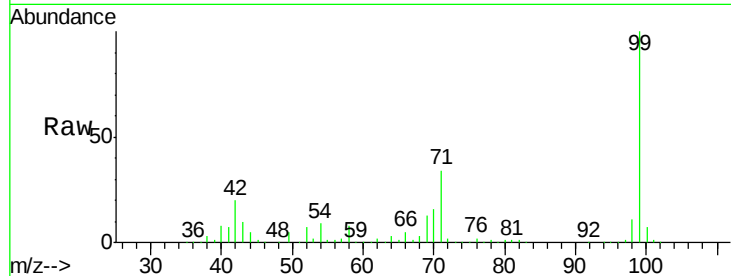
71 33.9 25.4 38.0

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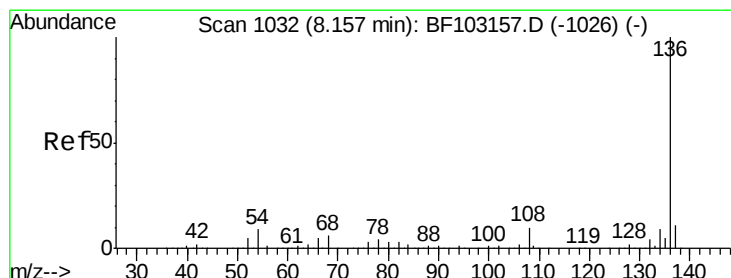
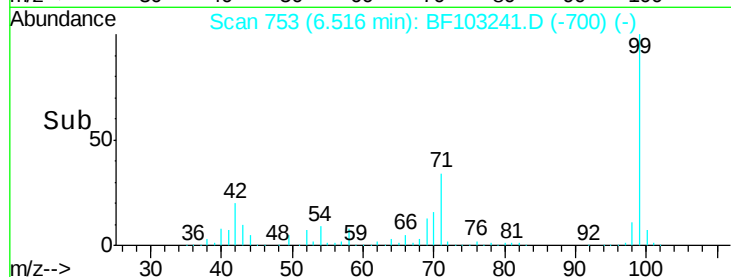
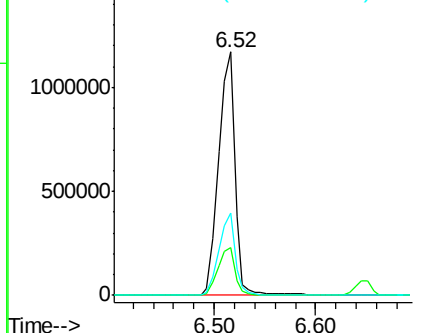
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF103241.D

Acq: 27 Feb 2018 1:55

Tgt Ion: 136 Resp: 640221

Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.4 6.6 9.8

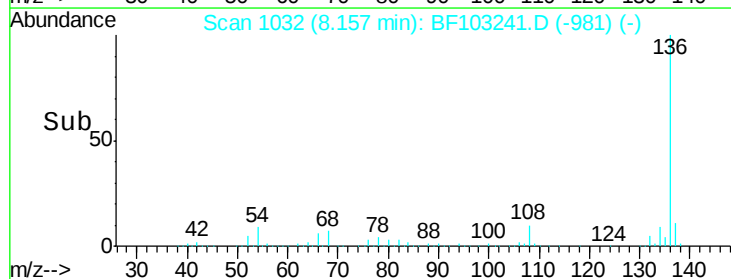
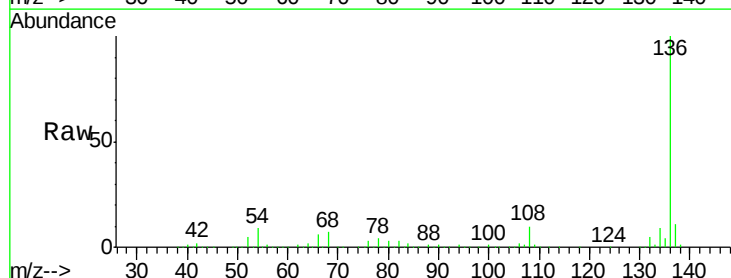
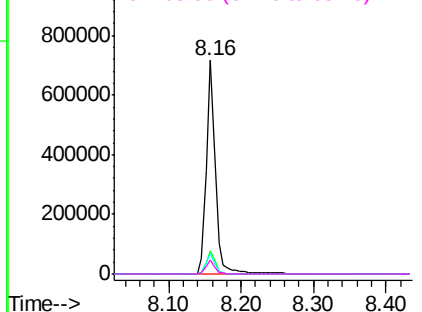
68 6.8 5.0 7.4

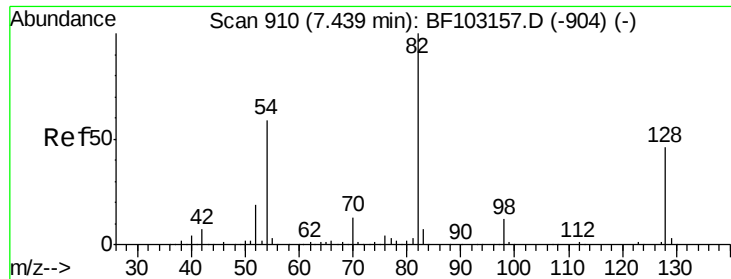
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





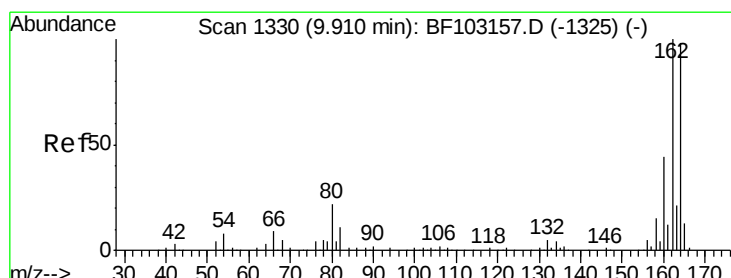
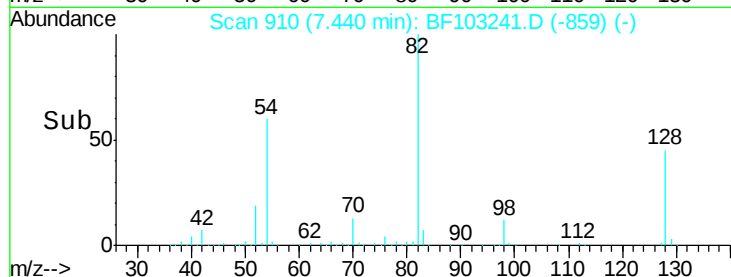
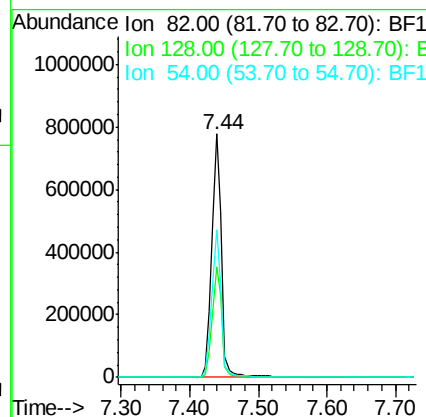
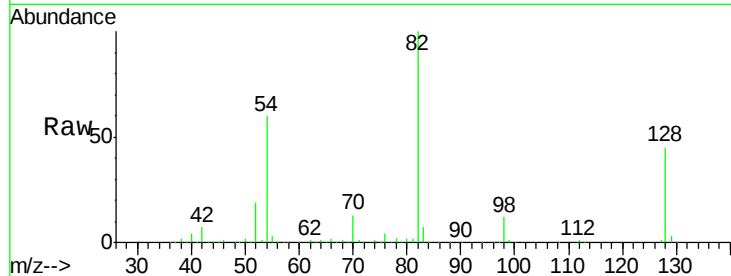
#23
 Nitrobenzene-d5
 Concen: 71.246 ng
 RT: 7.44 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: BF103241.D
 Acq: 27 Feb 2018 1:55

Instrument :
 BNA_F
 ClientSampled :
 RT-4632

Tot Ion	Ratio	Resp	Lower	Upper
82	100	798711		
128	45.4	36.1	54.1	
54	60.5	41.4	62.2	

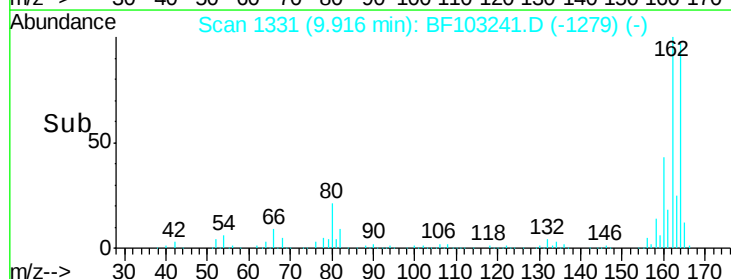
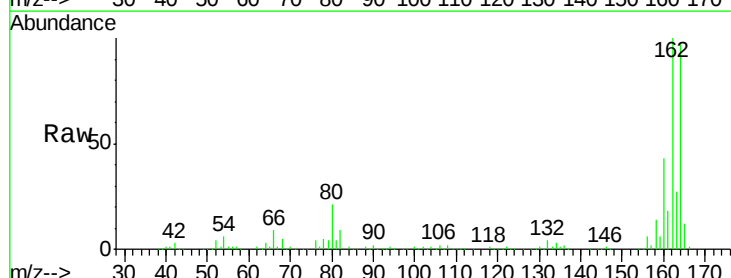
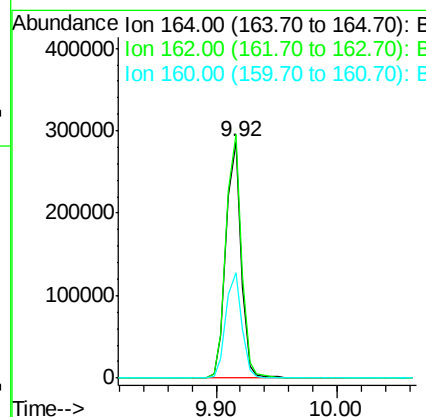
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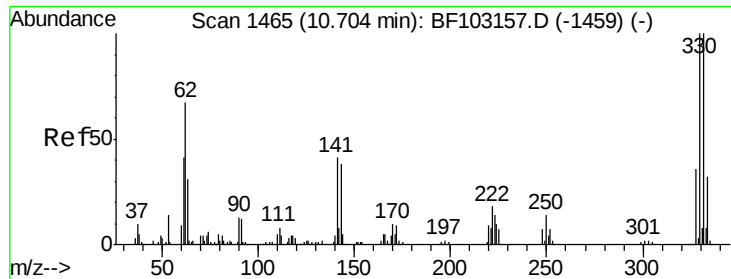
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: BF103241.D
 Acq: 27 Feb 2018 1:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	248607		
162	103.0	86.1	129.1	
160	44.6	38.3	57.5	





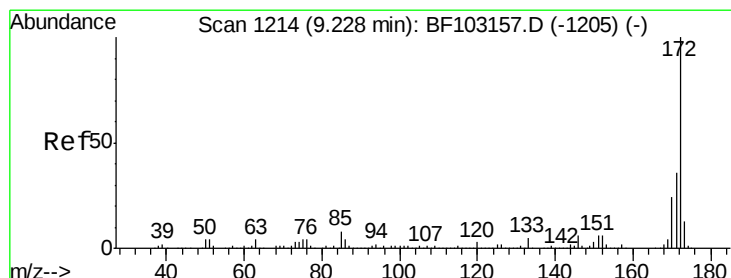
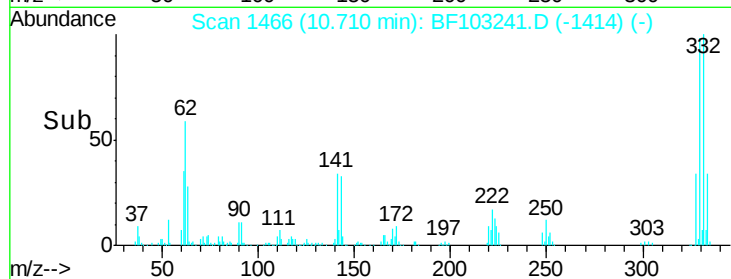
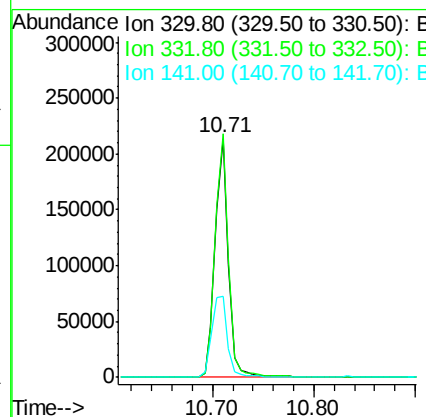
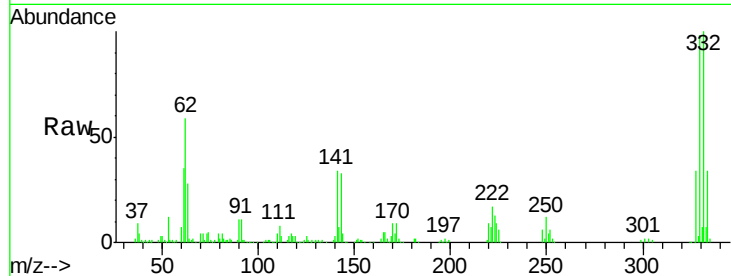
#41
 2,4,6-Tribromophenol
 Concen: 94.017 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.01 min
 Lab File: BF103241.D
 Acq: 27 Feb 2018 1:55

Instrument :
 BNA_F
 ClientSampled :
 RT-4632

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.3	77.0	115.6
141	40.3	29.9	44.9

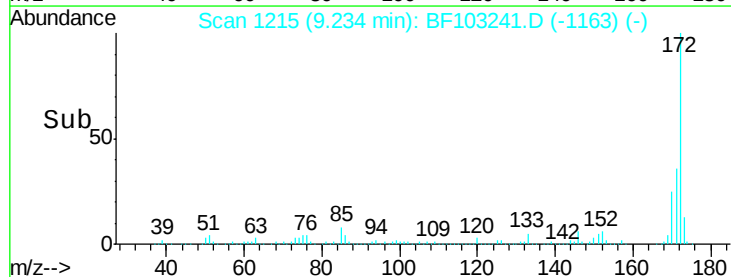
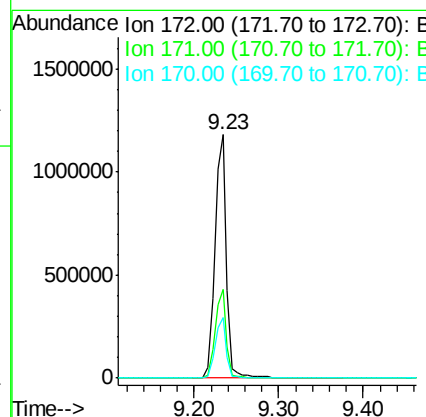
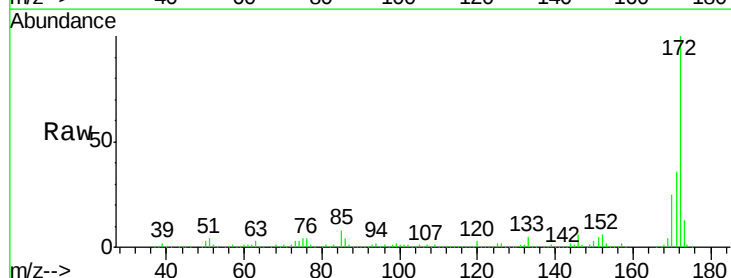
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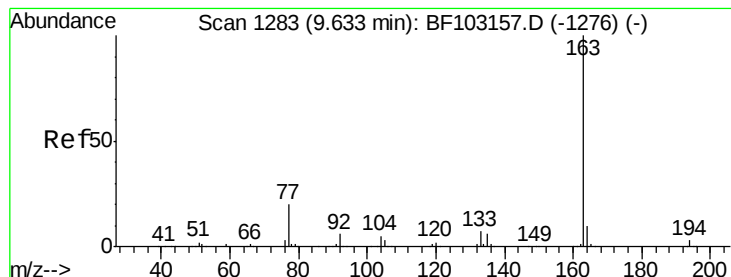
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#44
 2-Fluorobiphenyl
 Concen: 76.979 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. 0.01 min
 Lab File: BF103241.D
 Acq: 27 Feb 2018 1:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.8	19.6	29.4





#49

Dimethylphthalate

Concen: 6.170 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF103241.D

Acq: 27 Feb 2018 1:55

Instrument :

BNA_F

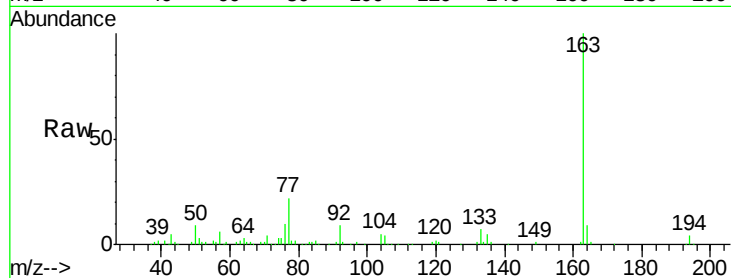
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RT-4632

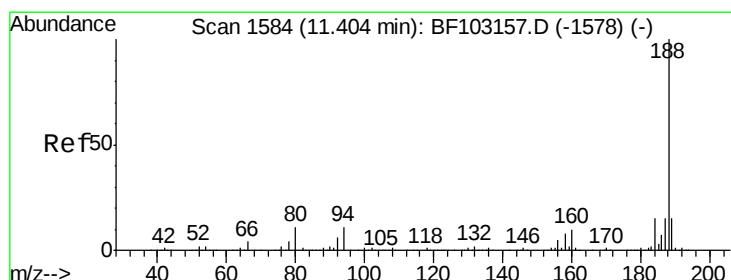
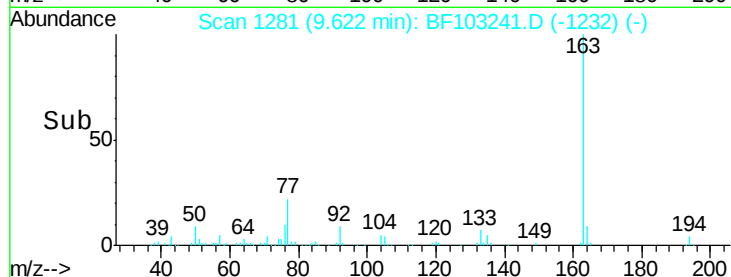
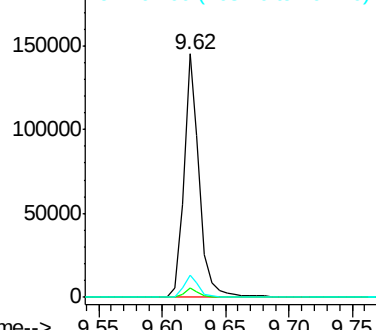
Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		123050		
194	3.7		2.7	4.1	
164	9.3		8.2	12.2	

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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

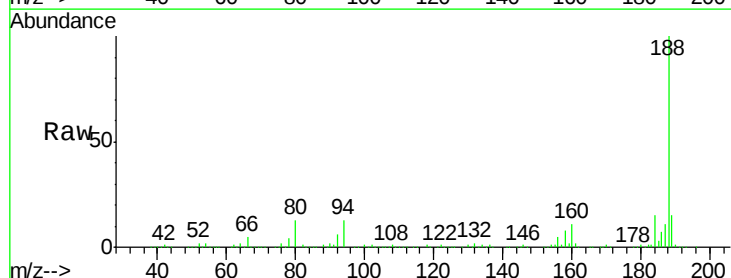
RT: 11.40 min Scan# 1584

Delta R.T. 0.00 min

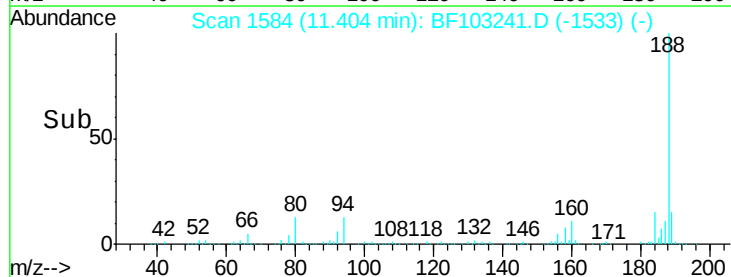
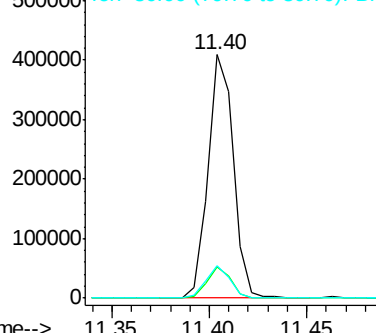
Lab File: BF103241.D

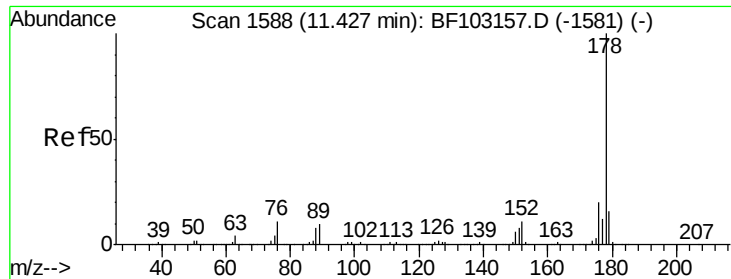
Acq: 27 Feb 2018 1:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		368591		
94	13.0		8.5	12.7#	
80	13.3		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





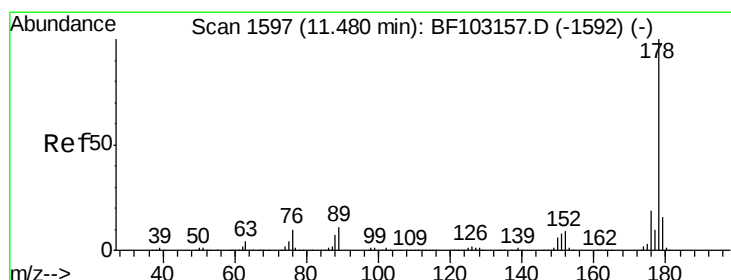
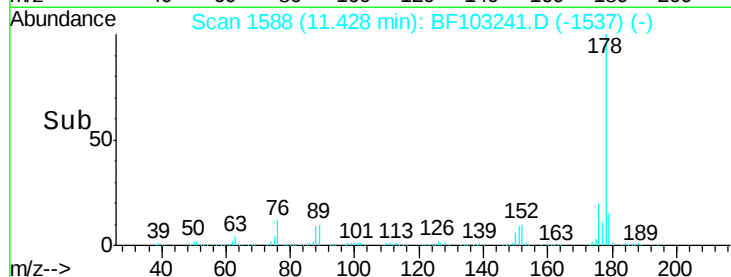
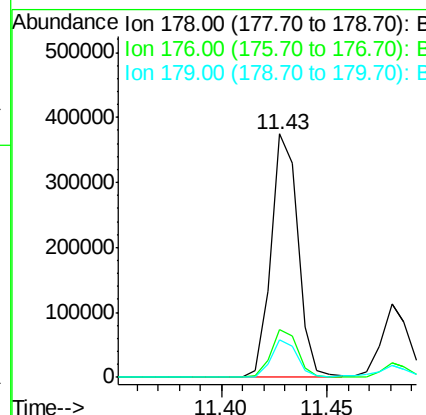
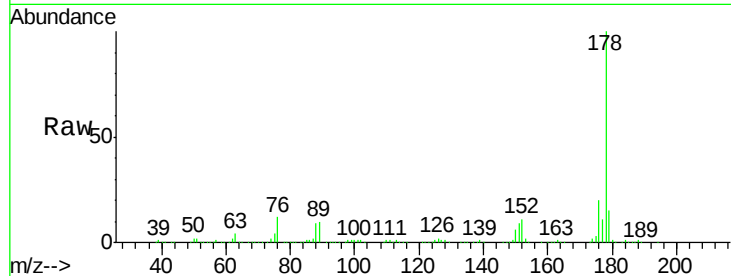
#70
Phenanthrene
Concen: 16.415 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.00 min
Lab File: BF103241.D
Acq: 27 Feb 2018 1:55

Instrument :
BNA_F
ClientSampled :
RT-4632

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.3	13.0	19.6

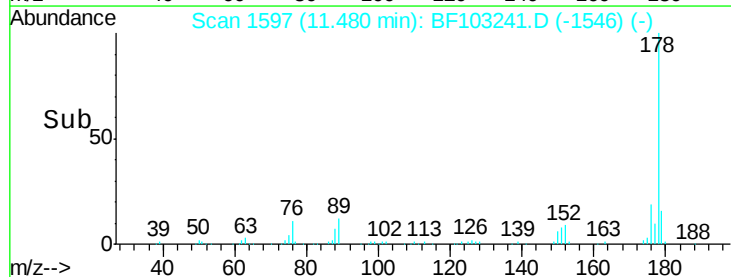
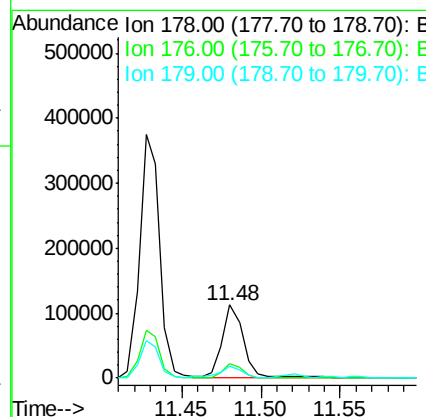
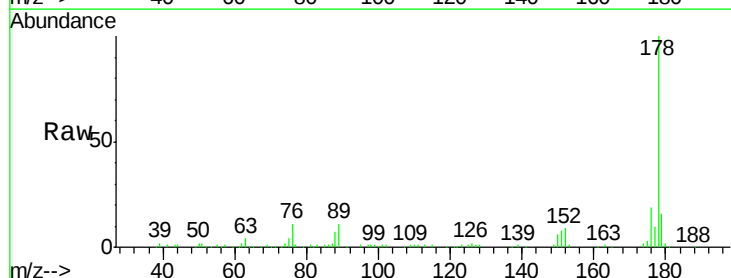
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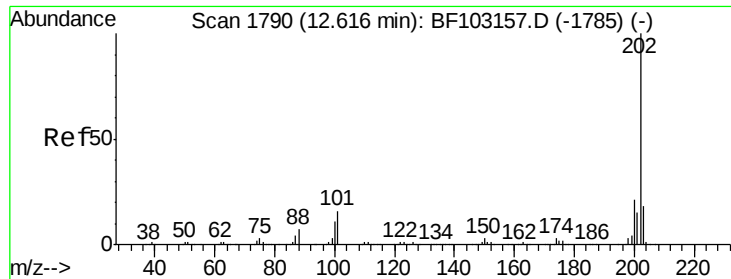
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#71
Anthracene
Concen: 5.043 ng
RT: 11.48 min Scan# 1597
Delta R.T. 0.00 min
Lab File: BF103241.D
Acq: 27 Feb 2018 1:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.7	12.6	19.0





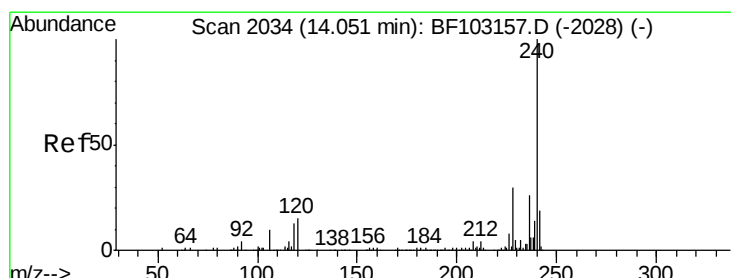
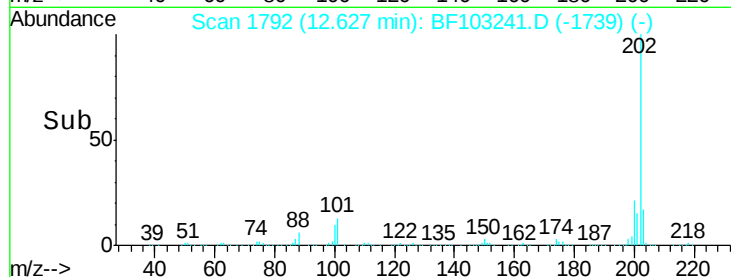
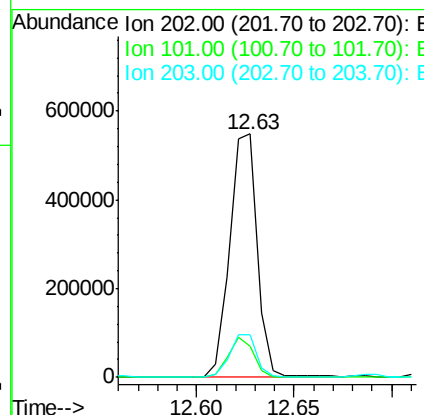
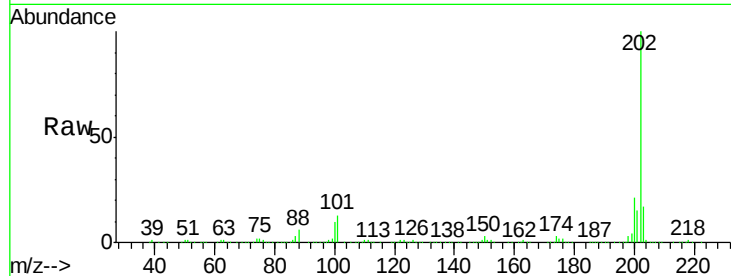
#74
Fluoranthene
Concen: 26.376 ng
RT: 12.63 min Scan# 1792
Delta R.T. 0.01 min
Lab File: BF103241.D
Acq: 27 Feb 2018 1:55

Instrument :
BNA_F
ClientSampleId :
RT-4632

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.9	0.0	34.1
203	17.4	0.0	38.1

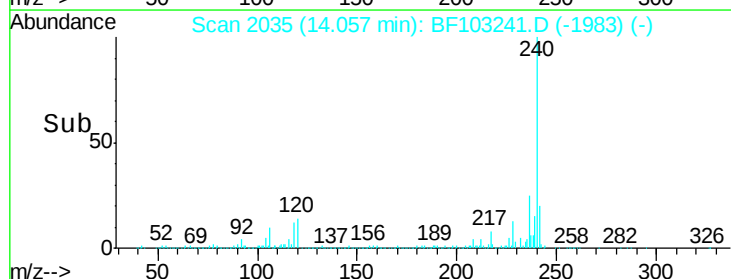
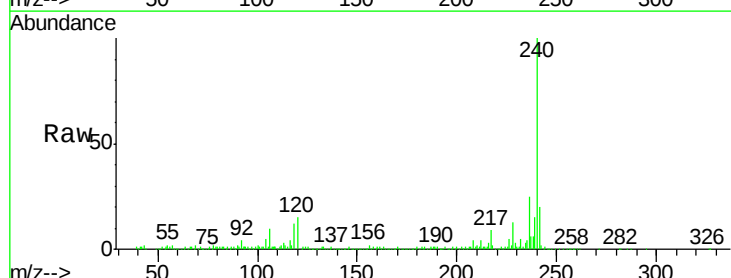
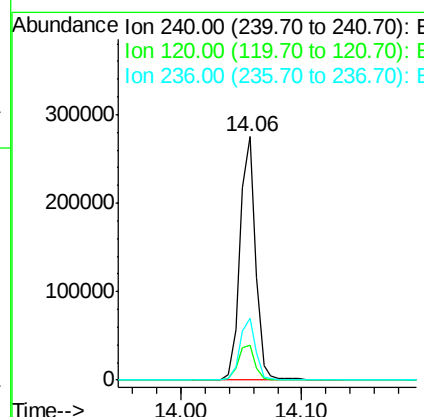
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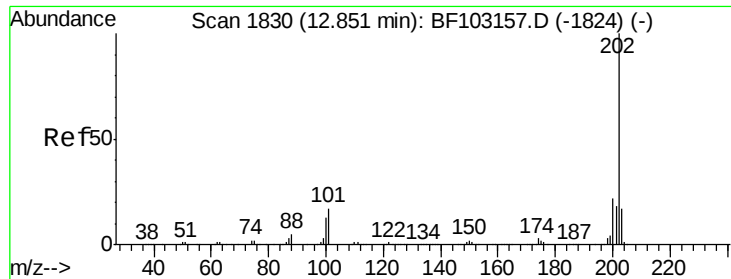
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2/27/2018 12:23:42 PM



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF103241.D
Acq: 27 Feb 2018 1:55

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.5	9.5	14.3#
236	25.4	20.7	31.1





#77

Pvrene

Concen: 24.476 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.01 min

Lab File: BF103241.D

Acq: 27 Feb 2018 1:55

Instrument :

BNA_F

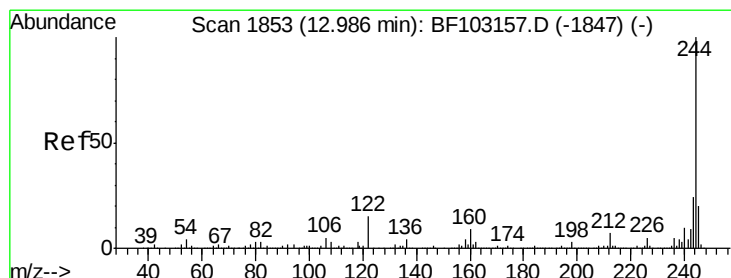
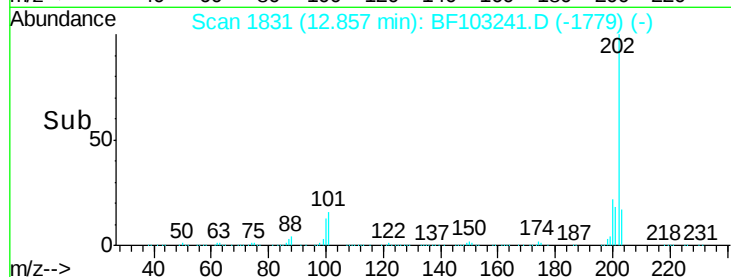
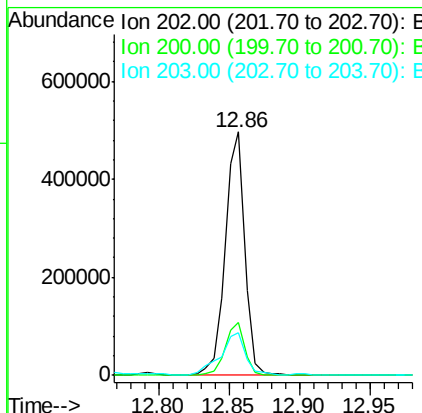
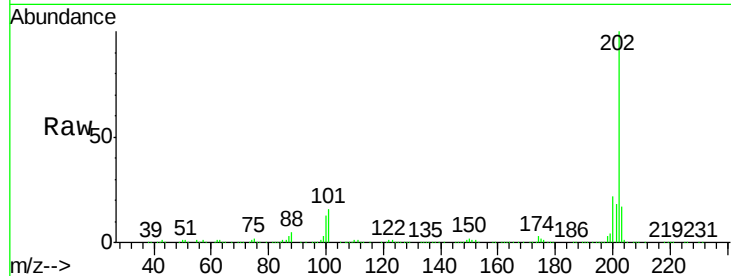
ClientSampleId :

RT-4632

Tot Ion:	202	Resp:	475218
Ion Ratio		Lower	Upper
202	100		
200	21.8	17.4	26.2
203	17.4	14.3	21.5

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2/27/2018 12:23:42 PM



#78

Terphenyl-d14

Concen: 76.081 ng

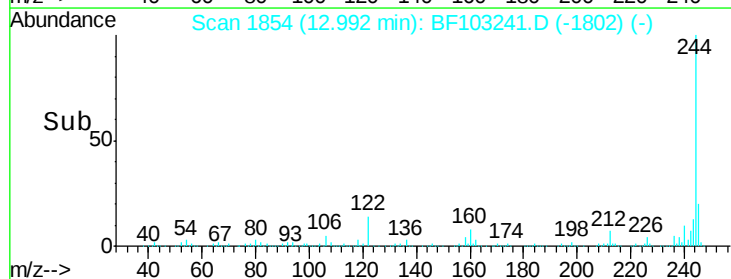
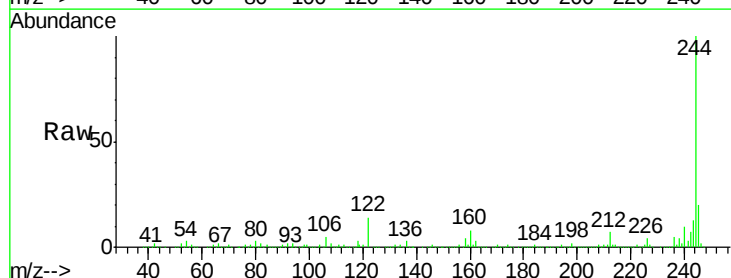
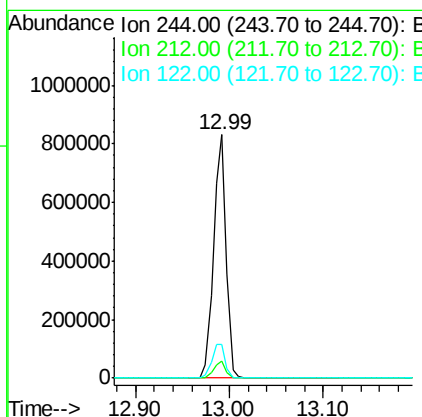
RT: 12.99 min Scan# 1854

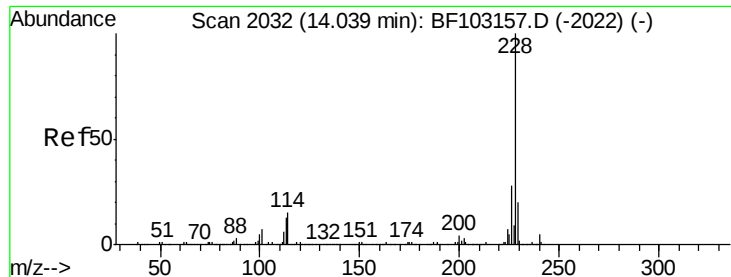
Delta R.T. 0.01 min

Lab File: BF103241.D

Acq: 27 Feb 2018 1:55

Tgt Ion:	244	Resp:	788155
Ion Ratio		Lower	Upper
244	100		
212	7.1	5.4	8.0
122	13.9	11.0	16.4





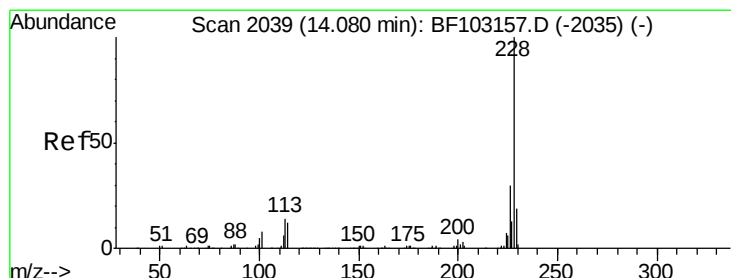
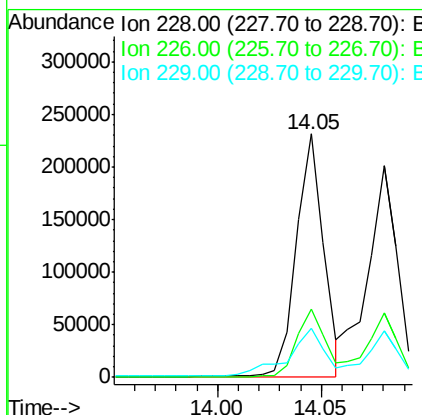
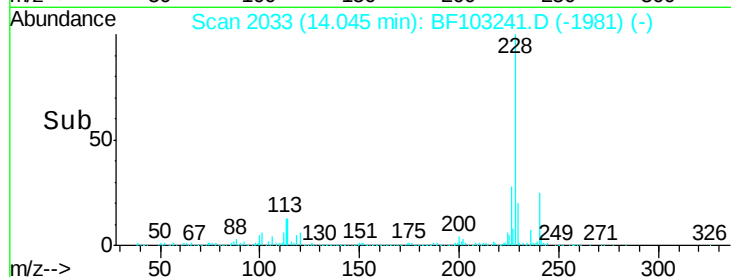
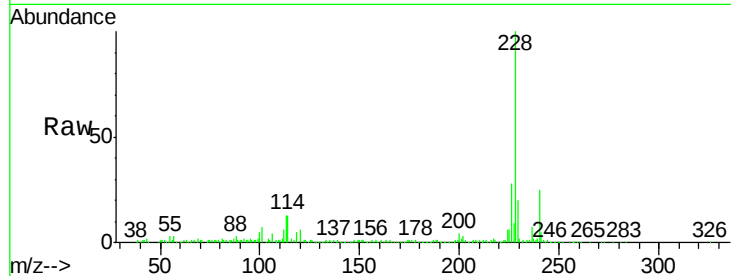
#80
Benzo(a)anthracene
Concen: 13.106 ng m
RT: 14.05 min Scan# 2033
Delta R.T. 0.01 min
Lab File: BF103241.D
Acq: 27 Feb 2018 1:55

Instrument :
BNA_F
ClientSampleId :
RT-4632

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	20.4	15.8	23.6

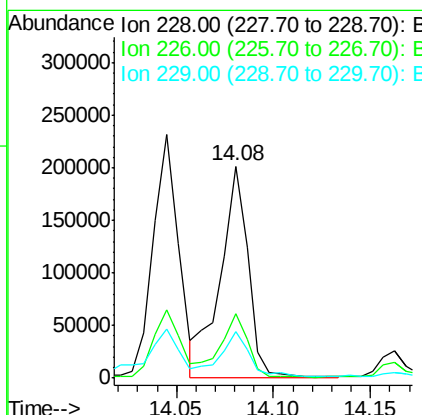
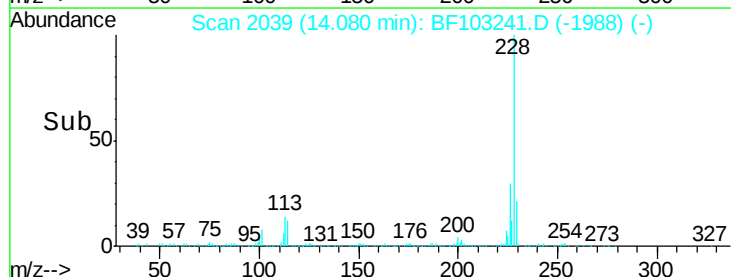
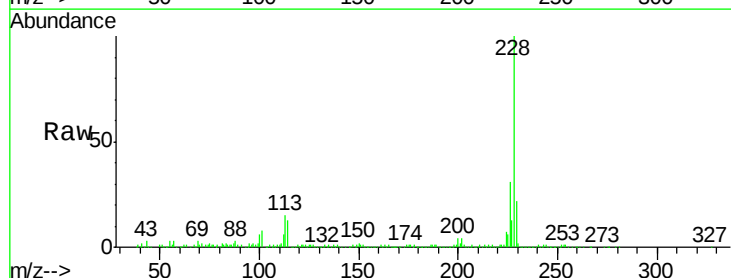
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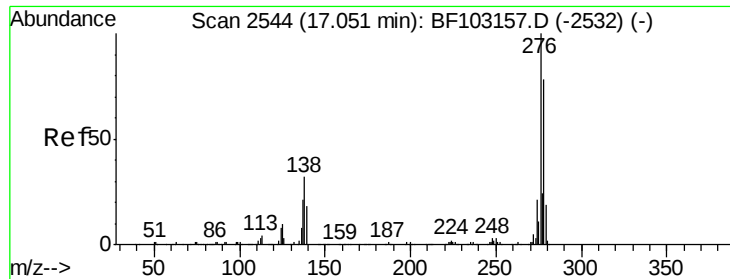
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2/27/2018 12:23:42 PM



#82
Chrysene
Concen: 12.878 ng m
RT: 14.08 min Scan# 2039
Delta R.T. 0.00 min
Lab File: BF103241.D
Acq: 27 Feb 2018 1:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	22.0	16.2	24.4





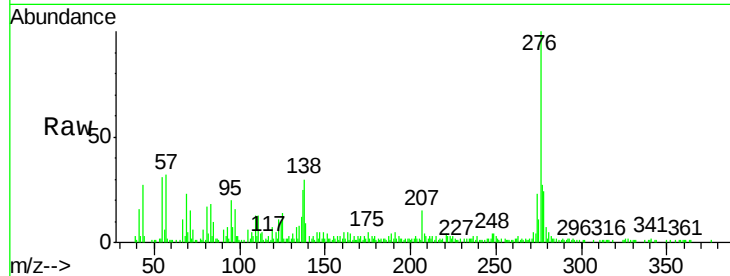
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.892 ng
RT: 17.07 min Scan# 2547
Delta R.T. 0.02 min
Lab File: BF103241.D
Acq: 27 Feb 2018 1:55

Instrument :
BNA_F
ClientSampled :
RT-4632

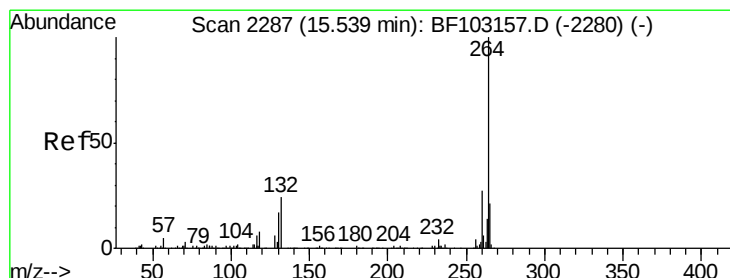
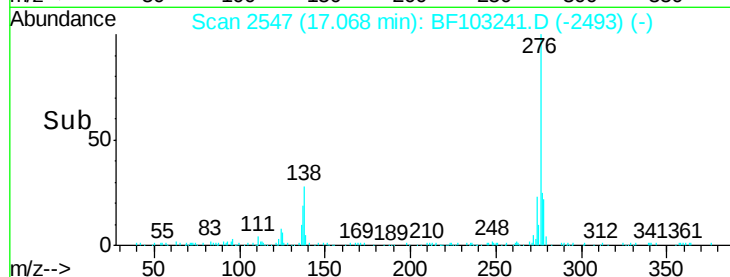
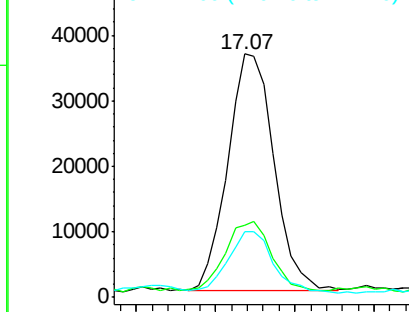
Tot Ion	Ratio	Lower	Upper
276	100		
138	29.1	25.0	37.6
277	25.5	20.1	30.1

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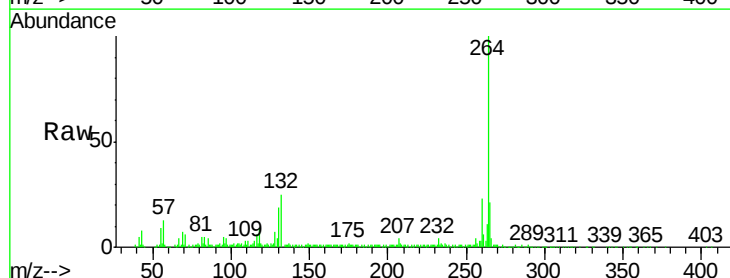


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

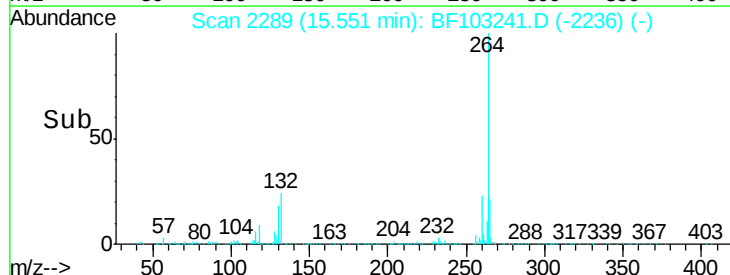
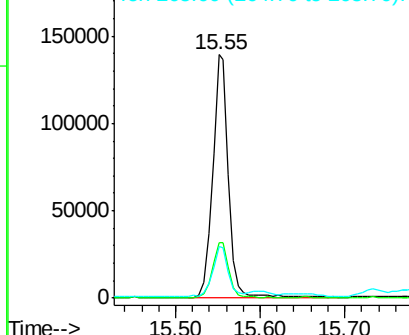


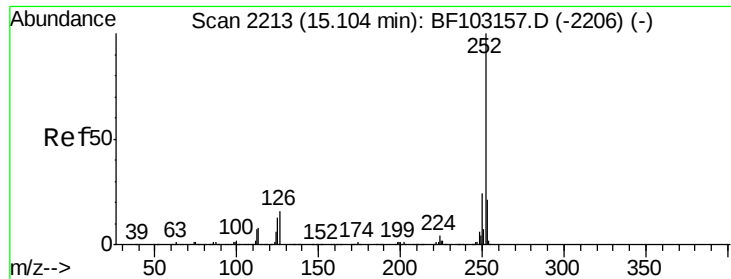
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. 0.01 min
Lab File: BF103241.D
Acq: 27 Feb 2018 1:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	21.4	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





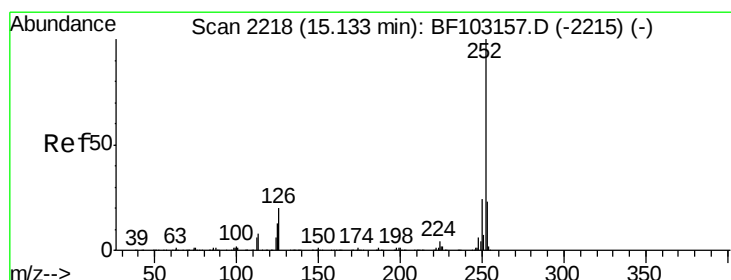
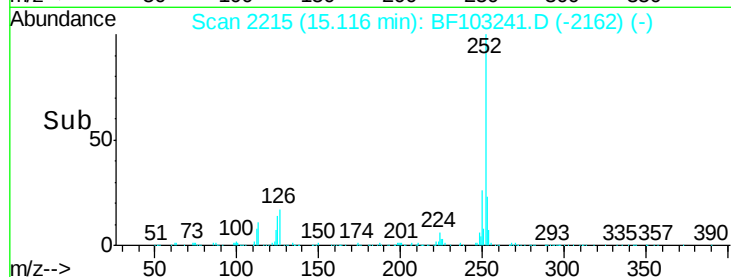
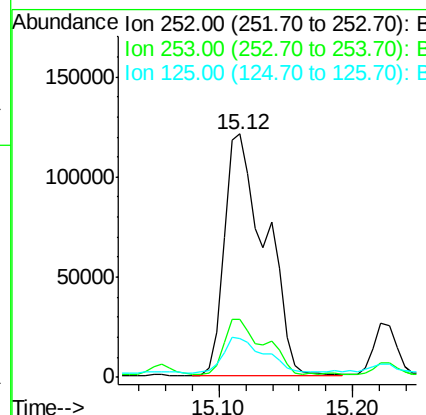
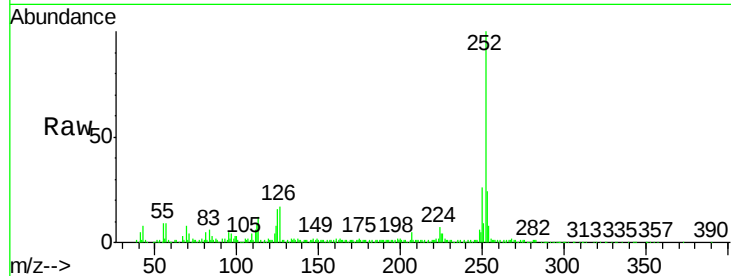
#87
Benzo(b)fluoranthene
Concen: 21.579 ng
RT: 15.12 min Scan# 2215
Delta R.T. 0.01 min
Lab File: BF103241.D
Acq: 27 Feb 2018 1:55

Instrument :
BNA_F
ClientSampleId :
RT-4632

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	24.1	17.0	25.6
125	15.9	9.0	13.6#

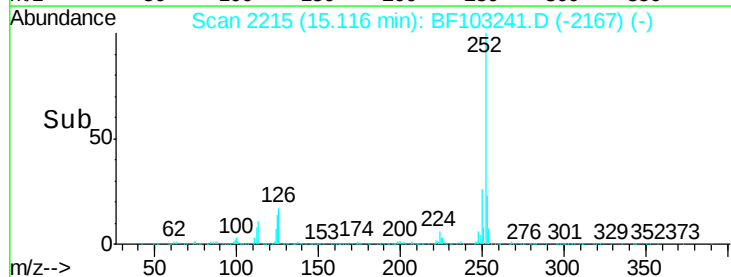
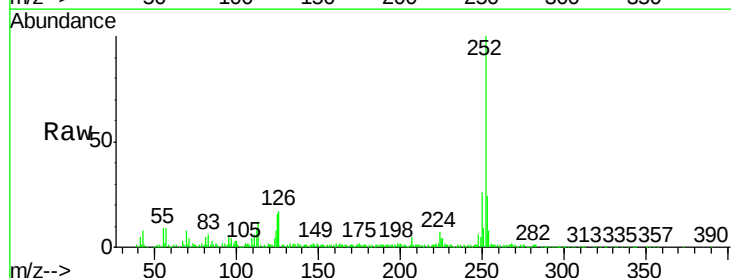
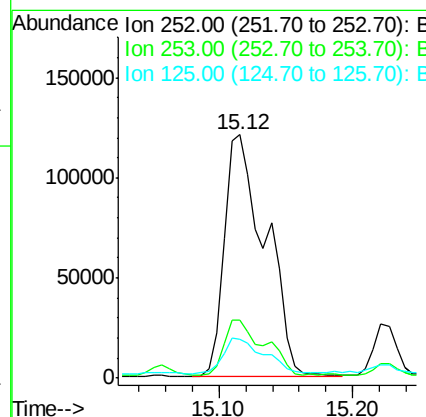
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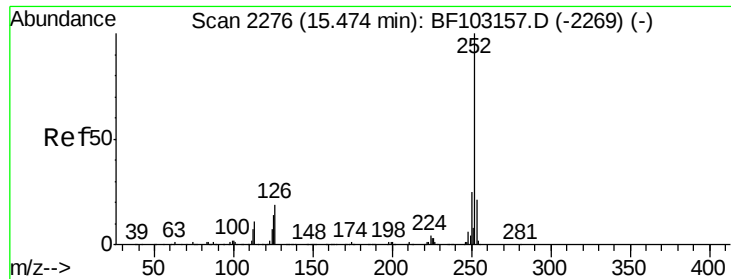
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2/27/2018 12:23:42 PM



#88
Benzo(k)fluoranthene
Concen: 22.916 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.02 min
Lab File: BF103241.D
Acq: 27 Feb 2018 1:55

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	24.1	17.9	26.9
125	15.9	10.2	15.2#





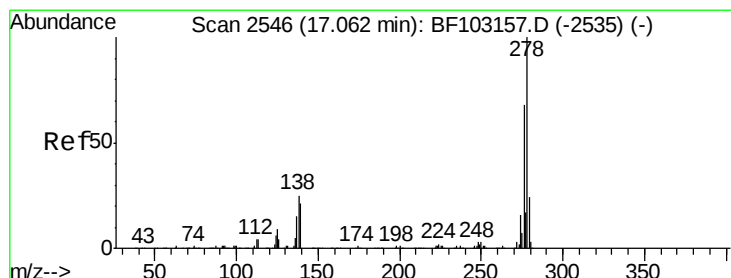
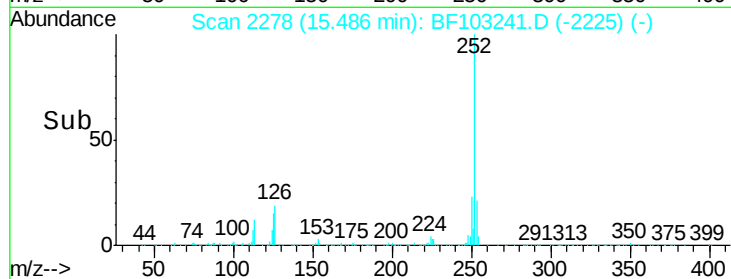
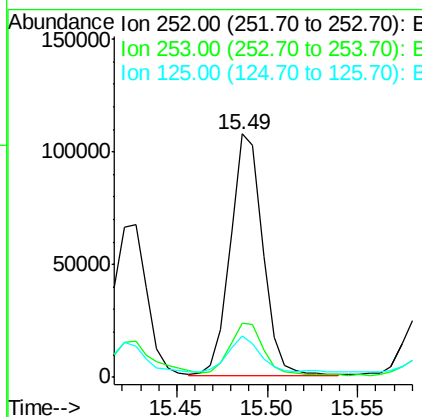
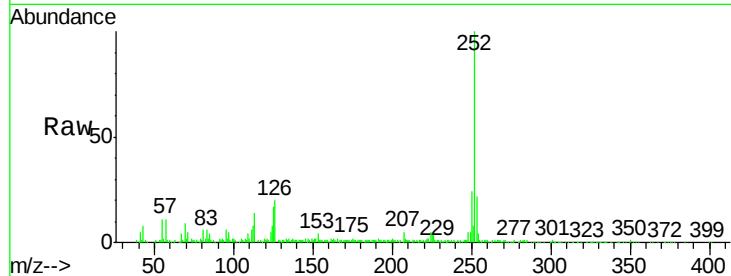
#89
Benzo(a)pyrene
Concen: 12.499 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BF103241.D
Acq: 27 Feb 2018 1:55

Instrument :
BNA_F
ClientSampleId :
RT-4632

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	17.0	9.8	14.6

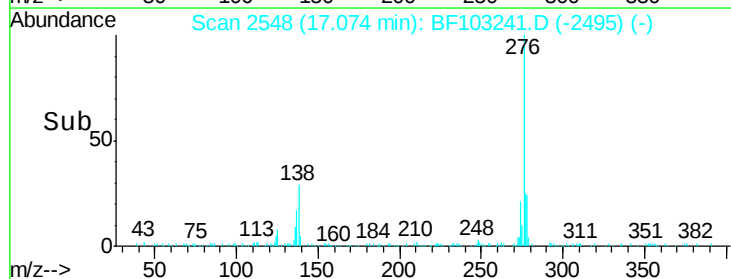
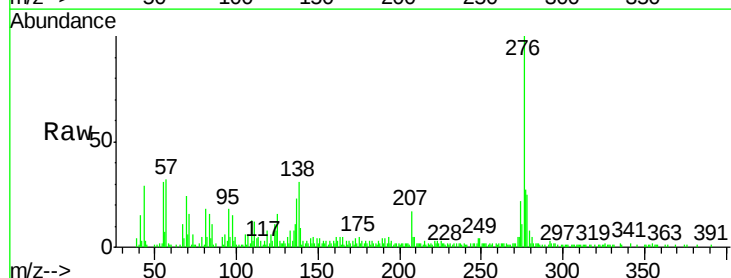
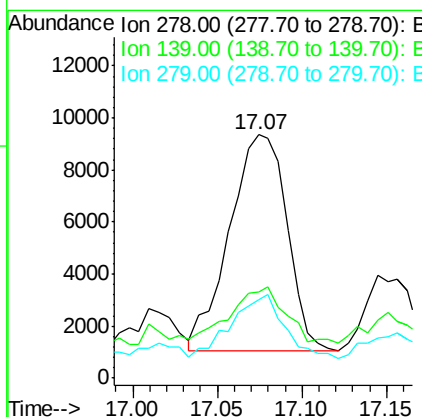
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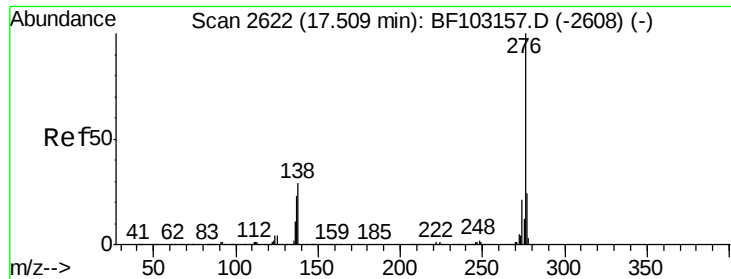
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#90
Dibenzo(a,h)anthracene
Concen: 2.352 ng
RT: 17.07 min Scan# 2548
Delta R.T. 0.01 min
Lab File: BF103241.D
Acq: 27 Feb 2018 1:55

Tgt Ion	Ratio	Lower	Upper
278	100		
139	35.3	15.9	23.9
279	32.1	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 8.465 ng
 RT: 17.54 min Scan# 2627
 Delta R.T. 0.03 min
 Lab File: BF103241.D
 Acq: 27 Feb 2018 1:55

Instrument :
 BNA_F
 ClientSampleId :
 RT-4632

Tot Ion:	276	Resp:	68861
Ion Ratio	Lower	Upper	
276	100		
277	25.2	17.9	26.9
138	29.7	21.8	32.8

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