

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013118\
 Data File : BF102672.D
 Acq On : 31 Jan 2018 23:13
 Operator : SJ/JU
 Sample : J1383-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-A

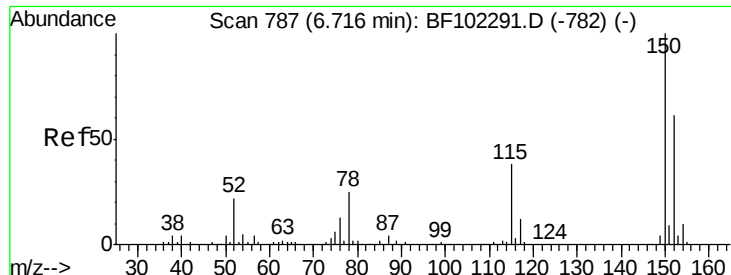
Manual Integrations
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 2/1/2018 12:14:26 PM

Quant Time: Feb 01 01:35:45 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 18:38:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	129352	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	477129	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	172313	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	277722	20.00	ng	0.00
75) Chrysene-d12	13.87	240	262097	20.00	ng	0.00
86) Perylene-d12	15.30	264	176283	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	951808	111.57	ng	0.03
7) Phenol-d6	6.37	99	1098097	106.77	ng	0.02
23) Nitrobenzene-d5	7.28	82	645711	77.77	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	157456	92.22	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	882204	75.28	ng	0.00
78) Terphenyl-d14	12.82	244	688925	59.26	ng	0.00
Target Compounds						
10) Phenol	6.39	94	49596	4.417	ng	85
49) Dimethylphthalate	9.46	163	122726	8.617	ng	100
70) Phenanthrene	11.26	178	125644	7.764	ng	97
74) Fluoranthene	12.44	202	168866	10.232	ng	100
77) Pyrene	12.67	202	170499	8.414	ng	99
80) Benzo(a)anthracene	13.86	228	75576	4.684	ng	97
82) Chrysene	13.90	228	75324	4.597	ng	98
87) Benzo(b)fluoranthene	14.90	252	67772m	5.931	ng	
89) Benzo(a)pyrene	15.24	252	40699	3.950	ng	# 80
91) Benzo(g,h,i)perylene	17.13	276	20343	2.468	ng	# 77

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



#1

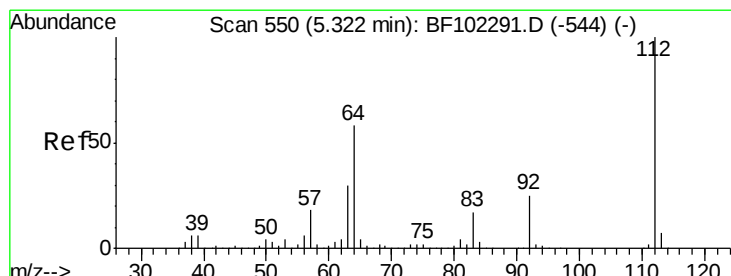
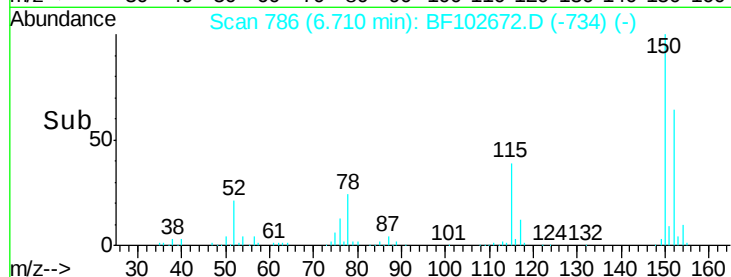
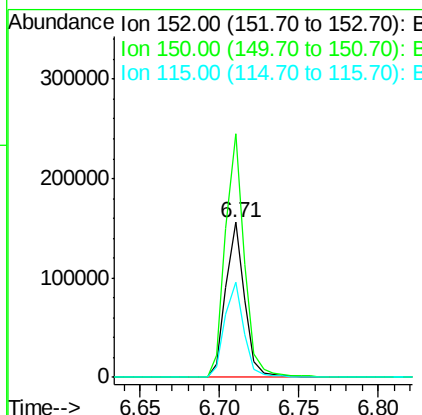
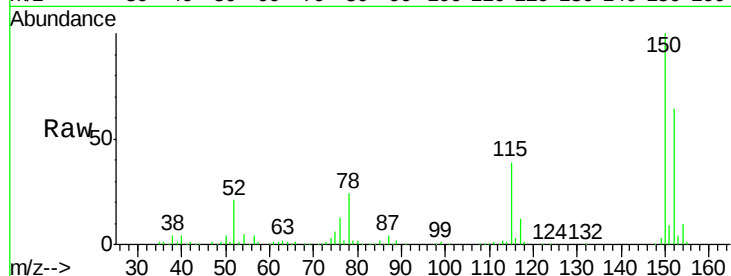
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.01 min
Lab File: BF102672.D
Acq: 31 Jan 2018 23:13

Instrument :
BNA_F
ClientSampled :
SP-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.6	186.8
115	61.3	50.1	75.1

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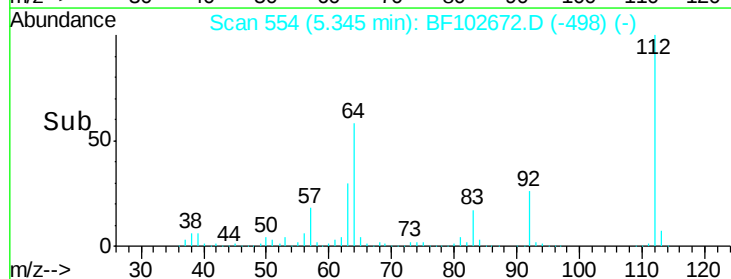
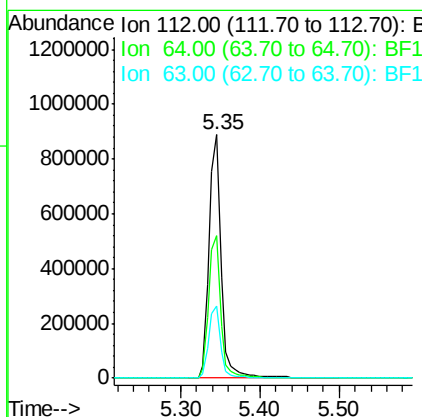
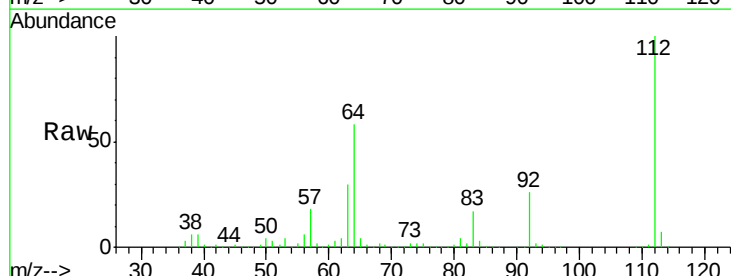
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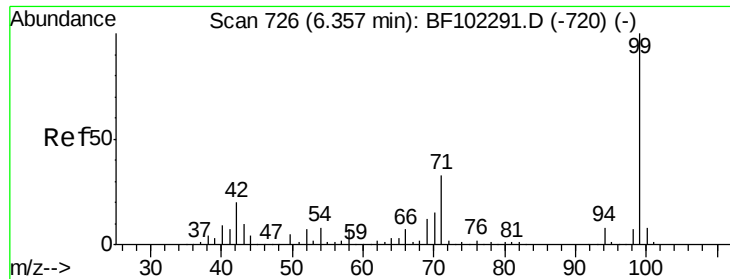


#5

2-Fluorophenol
Concen: 111.571 ng
RT: 5.35 min Scan# 554
Delta R.T. 0.03 min
Lab File: BF102672.D
Acq: 31 Jan 2018 23:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	47.9	71.9
63	29.9	23.7	35.5





#7

Phenol-d6

Concen: 106.768 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.02 min

Lab File: BF102672.D

Acq: 31 Jan 2018 23:13

Instrument :

BNA_F

ClientSampled :

SP-A

Tot Ion: 99 Resp: 1098097

Ion Ratio Lower Upper

99 100

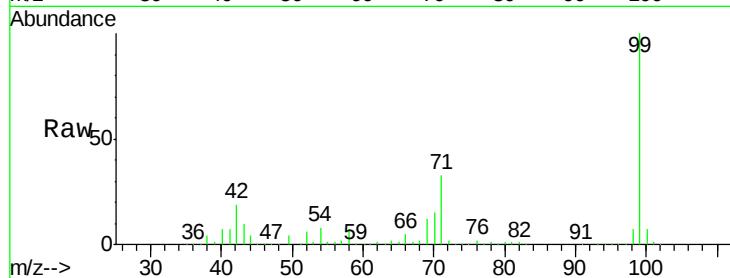
42 19.4 14.5 21.7

71 33.2 25.4 38.0

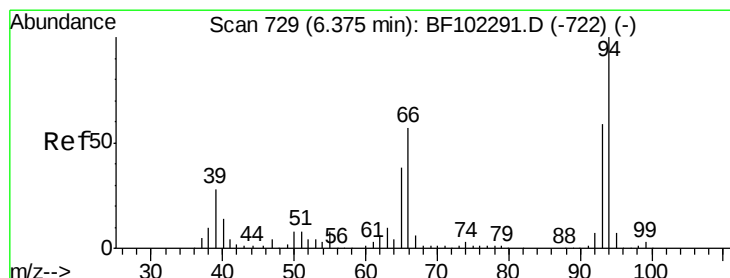
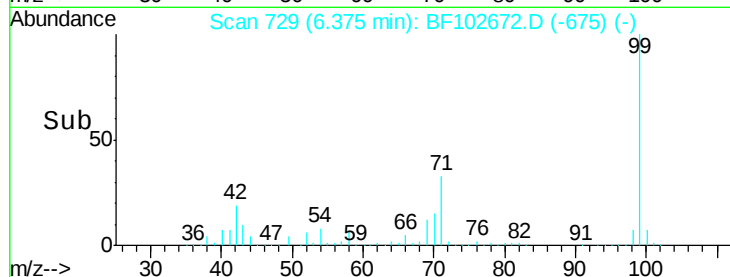
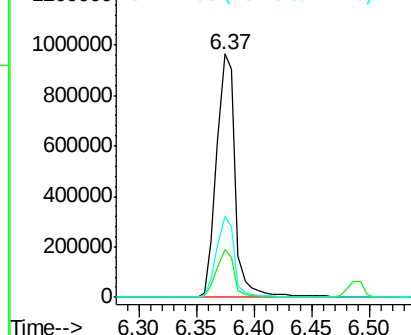
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.417 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.02 min

Lab File: BF102672.D

Acq: 31 Jan 2018 23:13

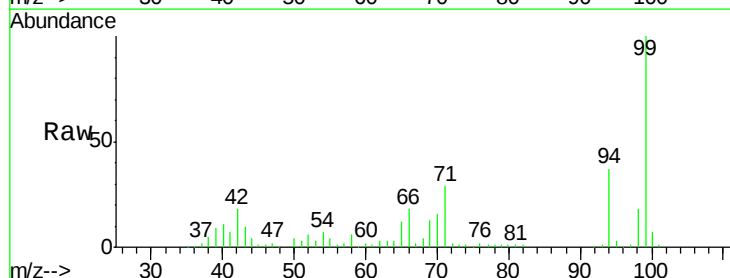
Tgt Ion: 94 Resp: 49596

Ion Ratio Lower Upper

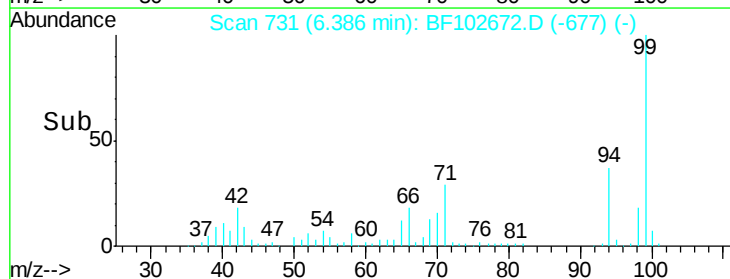
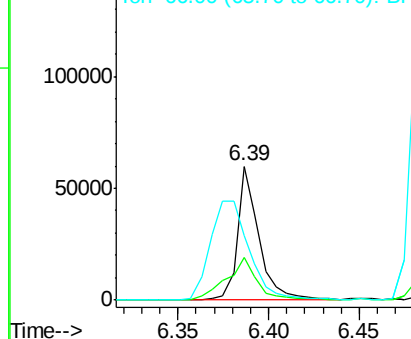
94 100

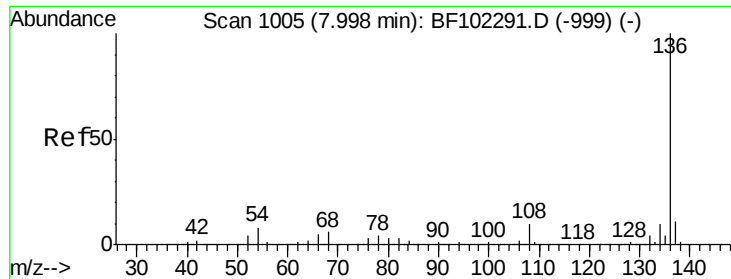
65 31.8 7.9 47.9

66 48.1 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





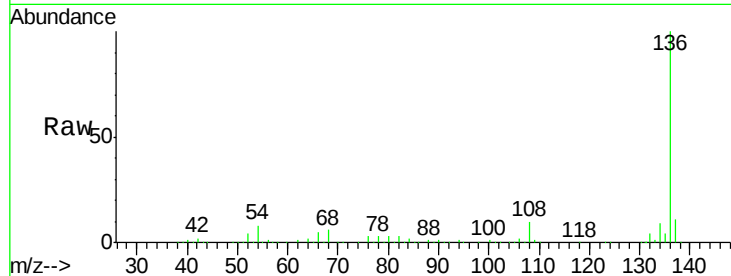
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. 0.01 min
Lab File: BF102672.D
Acq: 31 Jan 2018 23:13

Instrument :
BNA_F
ClientSampleId :
SP-A

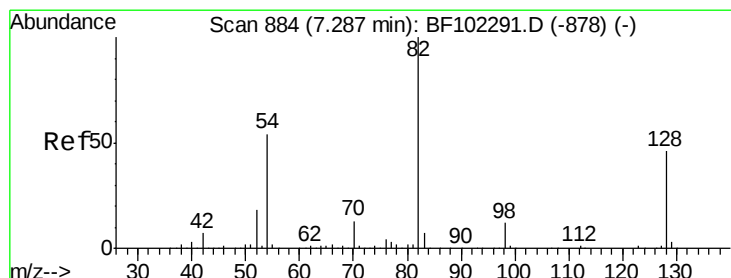
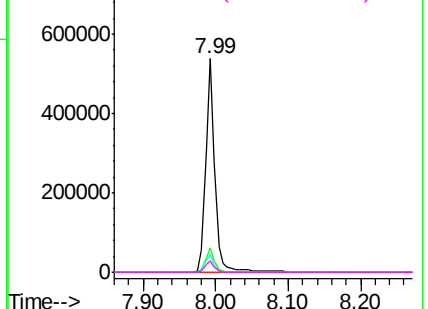
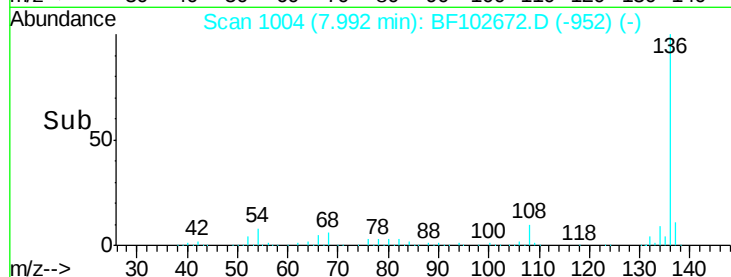
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	11.2	8.9	13.3		
54	8.1	6.6	9.8		
68	5.7	5.0	7.4		

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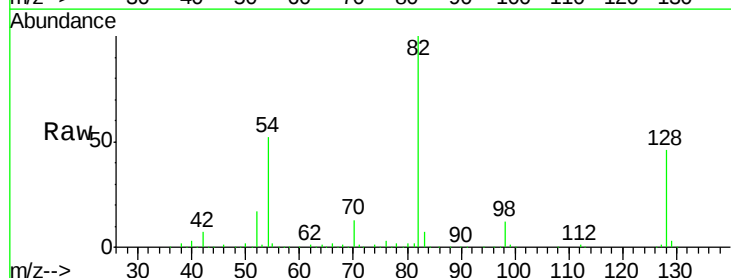


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

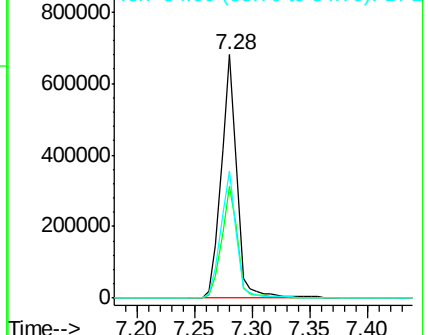
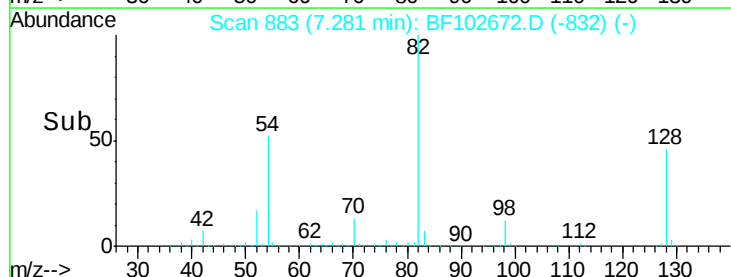


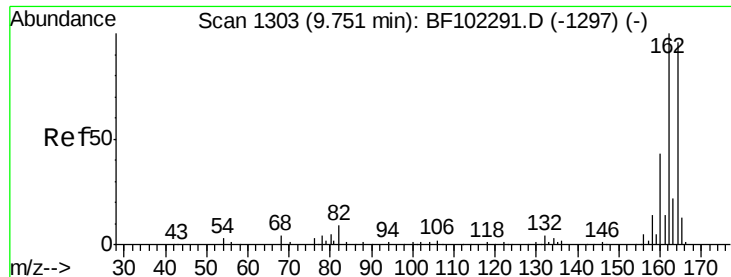
#23
Nitrobenzene-d5
Concen: 77.771 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.00 min
Lab File: BF102672.D
Acq: 31 Jan 2018 23:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	45.7	36.1	54.1		
54	52.4	41.4	62.2		



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1302

Delta R.T. 0.01 min

Lab File: BF102672.D

Acq: 31 Jan 2018 23:13

Instrument :

BNA_F

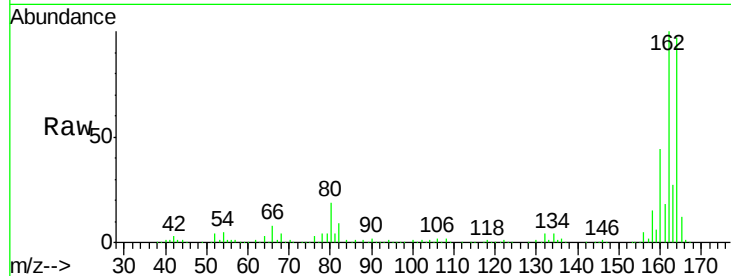
ClientSampled :

SP-A

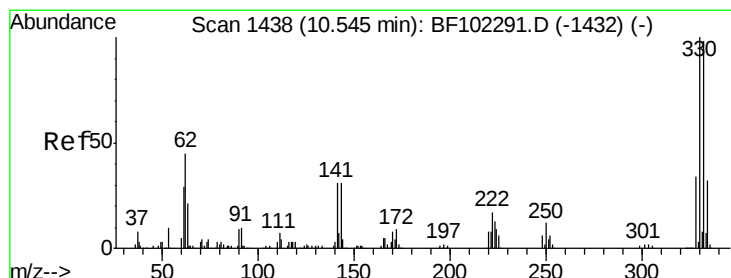
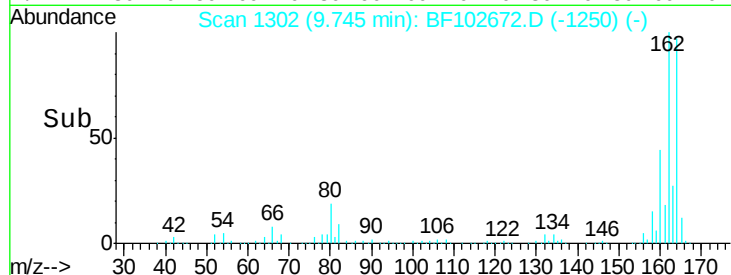
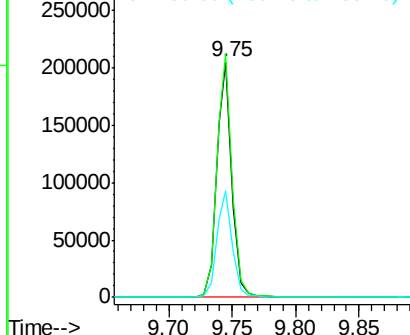
Tot Ion:	164	Resp:	172313
Ion Ratio	Lower	Upper	
164	100		
162	103.6	86.1	129.1
160	45.2	38.3	57.5

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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: 92.221 ng

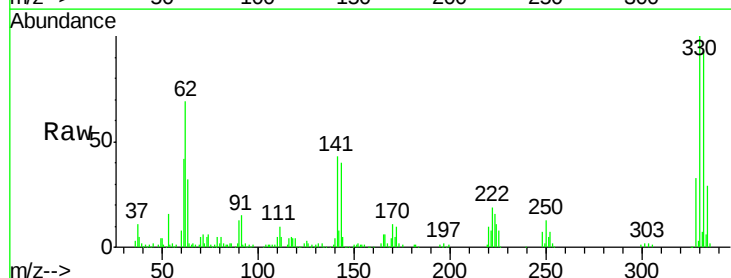
RT: 10.54 min Scan# 1437

Delta R.T. 0.01 min

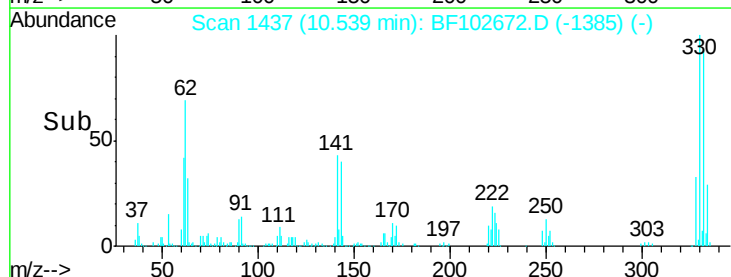
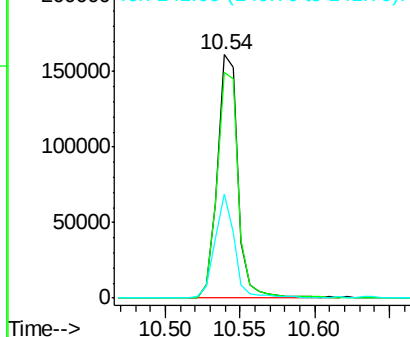
Lab File: BF102672.D

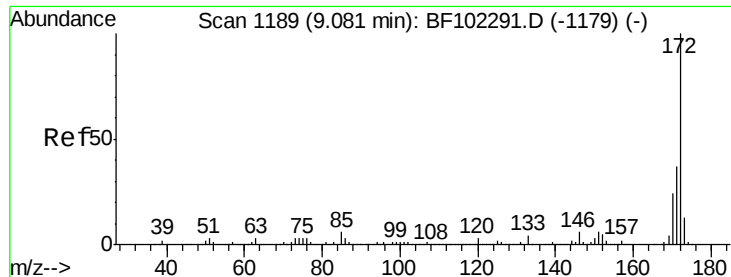
Acq: 31 Jan 2018 23:13

Tgt Ion:	330	Resp:	157456
Ion Ratio	Lower	Upper	
330	100		
332	96.0	77.0	115.6
141	40.2	29.9	44.9



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





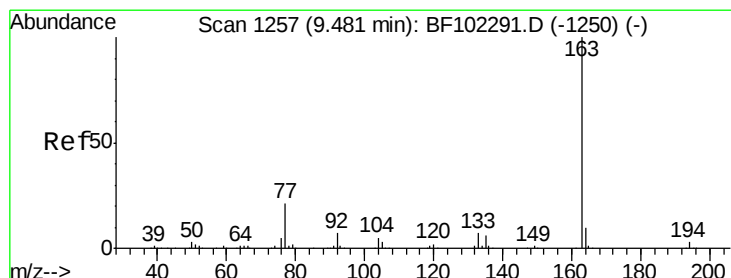
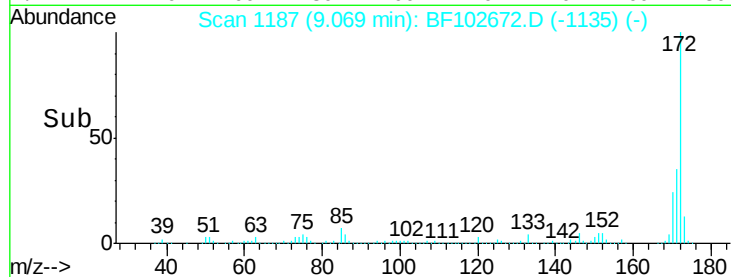
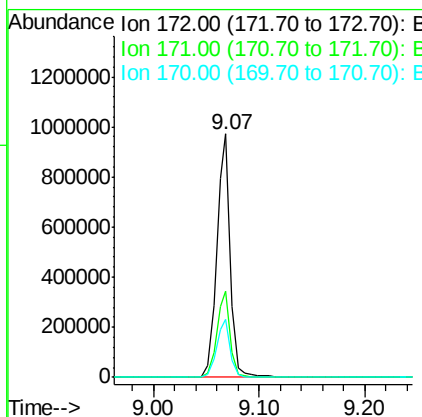
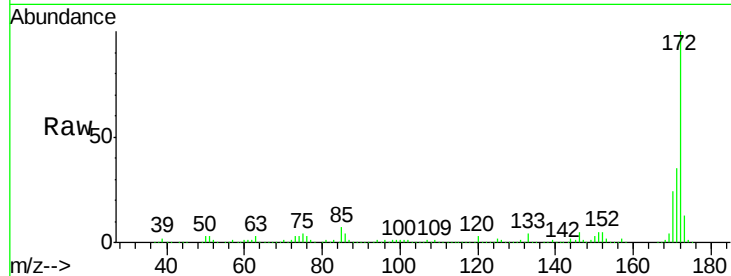
#44
2-Fluorobiphenyl
Concen: 75.279 ng
RT: 9.07 min Scan# 1187
Delta R.T. 0.01 min
Lab File: BF102672.D
Acq: 31 Jan 2018 23:13

Instrument :
BNA_F
ClientSampleId :
SP-A

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	23.8	19.6	29.4

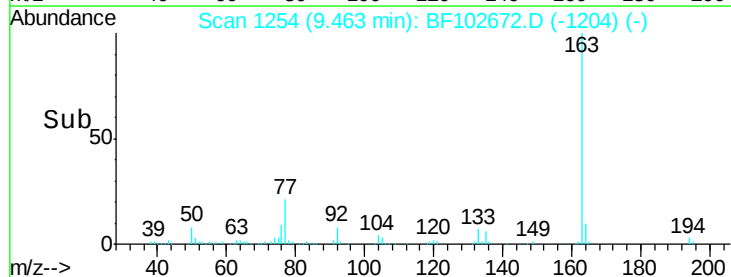
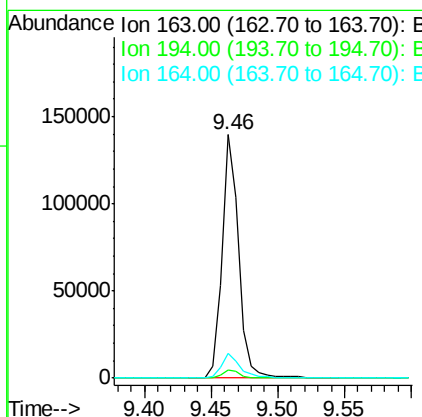
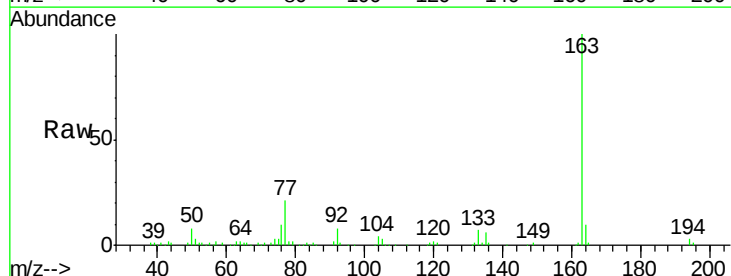
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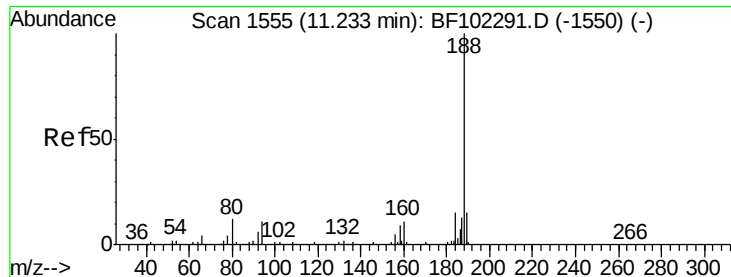
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#49
Dimethylphthalate
Concen: 8.617 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.01 min
Lab File: BF102672.D
Acq: 31 Jan 2018 23:13

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	10.4	8.2	12.2





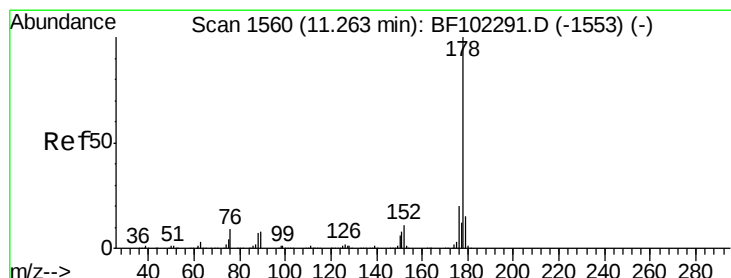
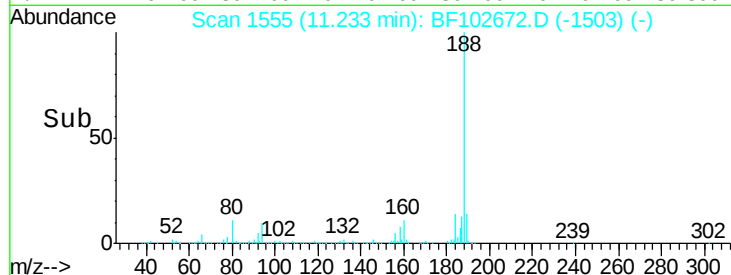
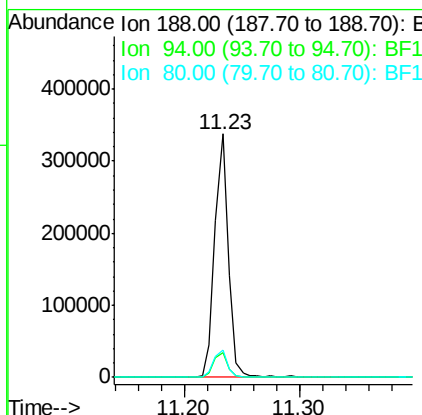
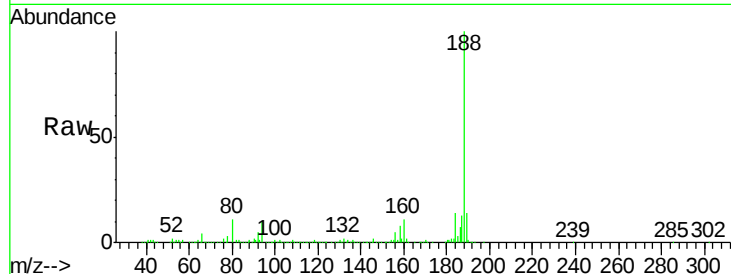
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. 0.01 min
Lab File: BF102672.D
Acq: 31 Jan 2018 23:13

Instrument :
BNA_F
ClientSampled :
SP-A

Tot Ion	Ratio	Resp	Lower	Upper
188	100	277722		
94	10.2		8.5	12.7
80	11.4		9.2	13.8

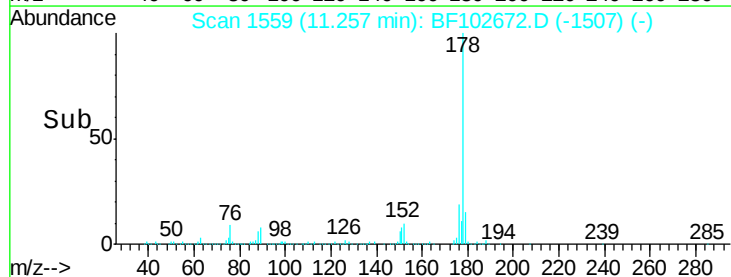
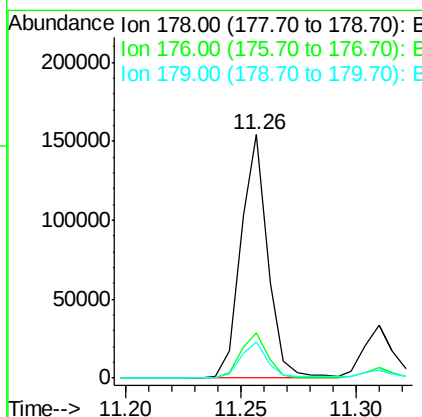
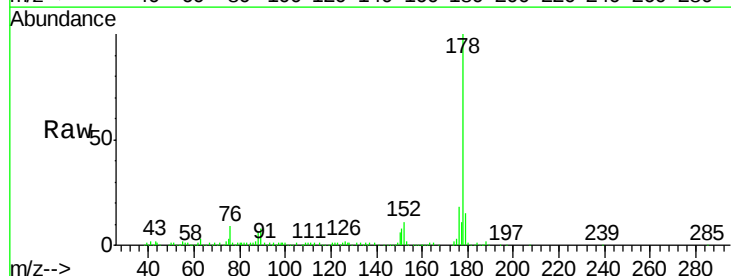
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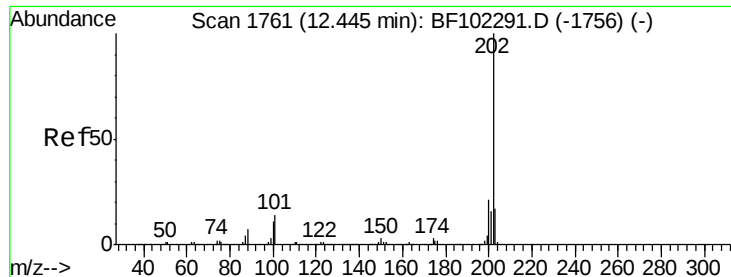
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#70
Phenanthrene
Concen: 7.764 ng
RT: 11.26 min Scan# 1559
Delta R.T. 0.01 min
Lab File: BF102672.D
Acq: 31 Jan 2018 23:13

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	125644		
176	18.5		15.8	23.8
179	14.9		13.0	19.6





#74

Fluoranthene

Concen: 10.232 ng

RT: 12.44 min Scan# 1761

Delta R.T. 0.01 min

Lab File: BF102672.D

Acq: 31 Jan 2018 23:13

Instrument :

BNA_F

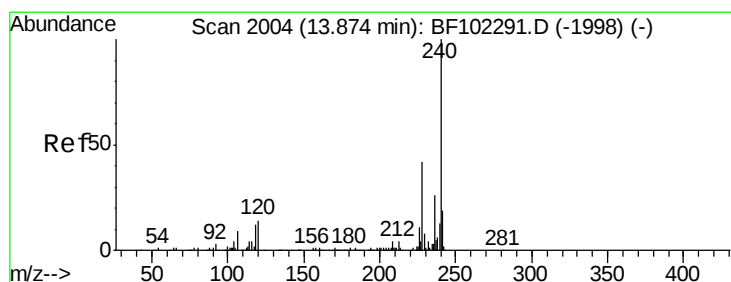
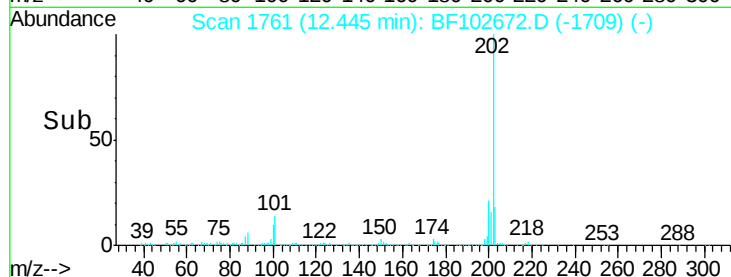
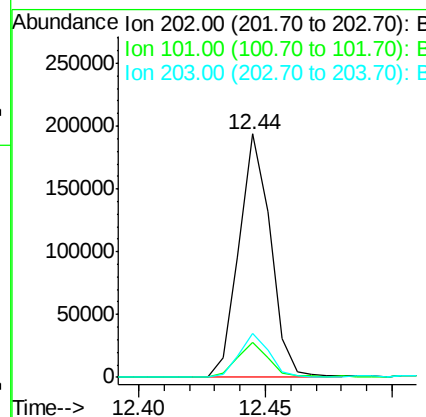
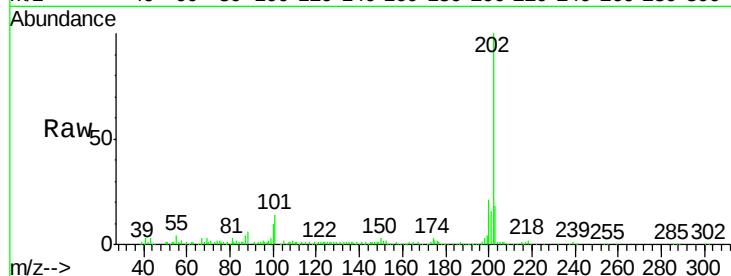
ClientSampleId :

SP-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	14.2	0.0	34.1		
203	17.9	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.000 ng

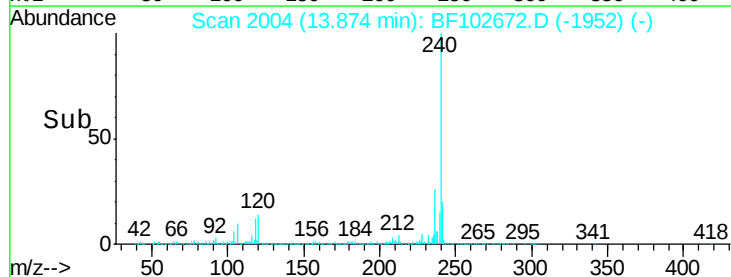
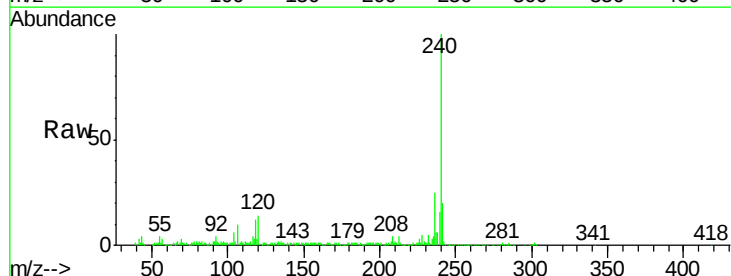
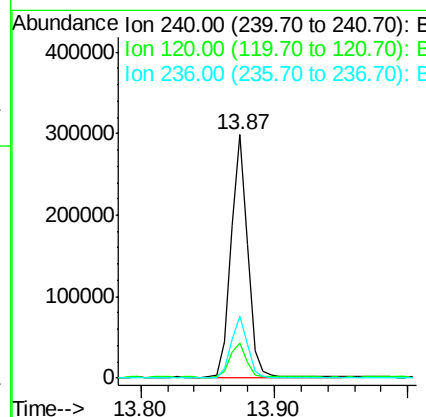
RT: 13.87 min Scan# 2004

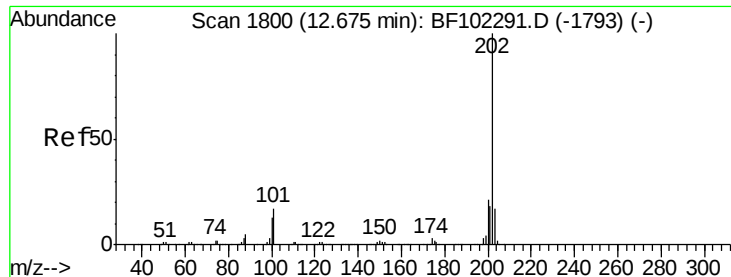
Delta R.T. 0.01 min

Lab File: BF102672.D

Acq: 31 Jan 2018 23:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	14.1	9.5	14.3		
236	25.5	20.7	31.1		





#77

Pvrene

Concen: 8.414 ng

RT: 12.67 min Scan# 1800

Delta R.T. 0.01 min

Lab File: BF102672.D

Acq: 31 Jan 2018 23:13

Instrument :

BNA_F

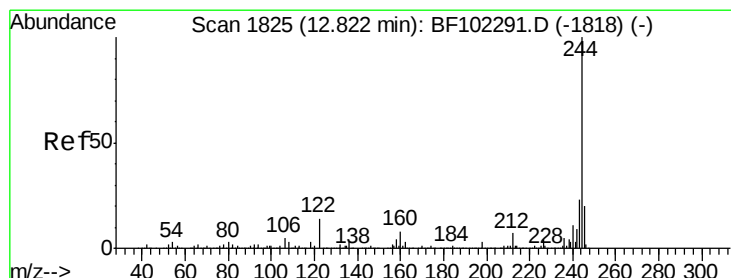
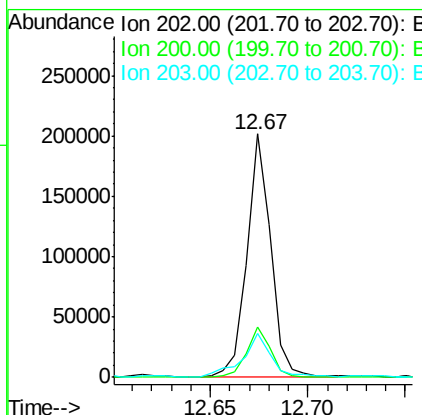
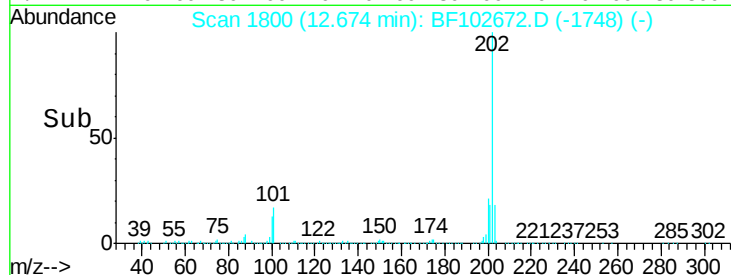
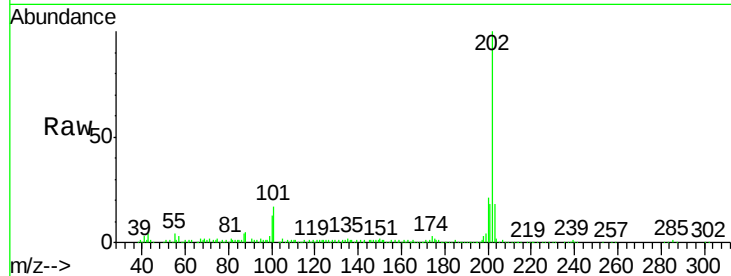
ClientSampled :

SP-A

Tot Ion:	202	Resp:	170499
Ion Ratio		Lower	Upper
202	100		
200	20.8	17.4	26.2
203	18.2	14.3	21.5

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#78

Terphenyl-d14

Concen: 59.256 ng

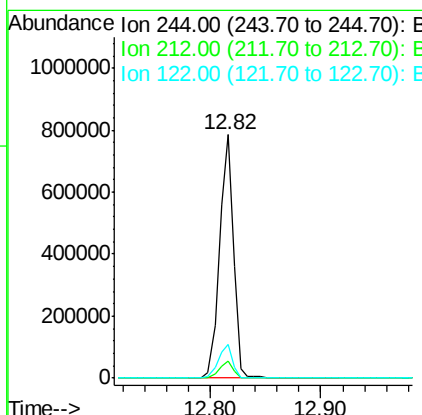
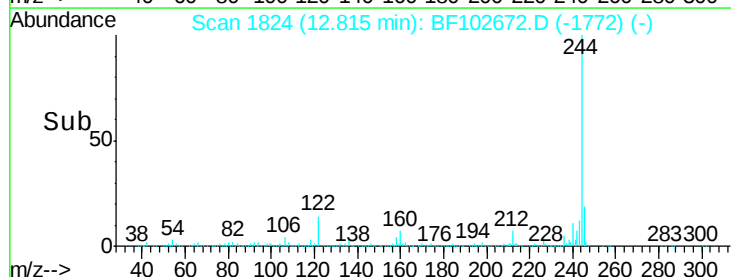
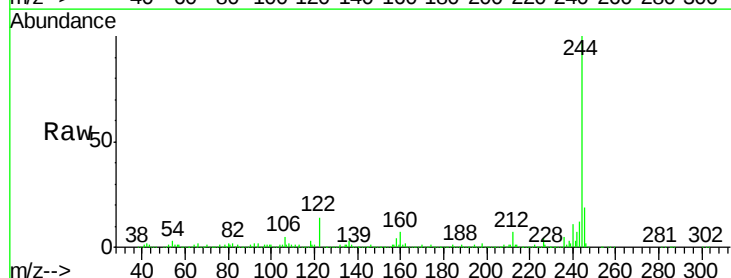
RT: 12.82 min Scan# 1824

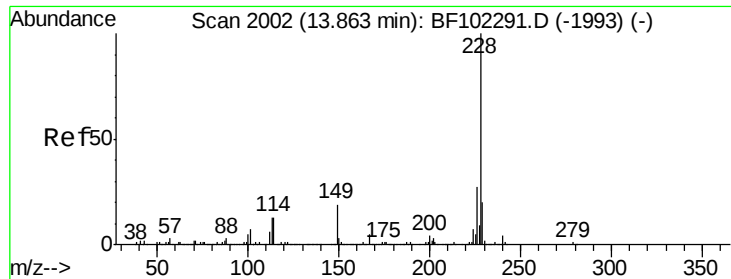
Delta R.T. 0.01 min

Lab File: BF102672.D

Acq: 31 Jan 2018 23:13

Tgt Ion:	244	Resp:	688925
Ion Ratio		Lower	Upper
244	100		
212	6.9	5.4	8.0
122	13.9	11.0	16.4





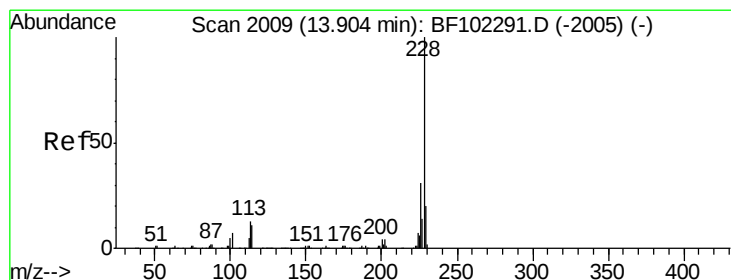
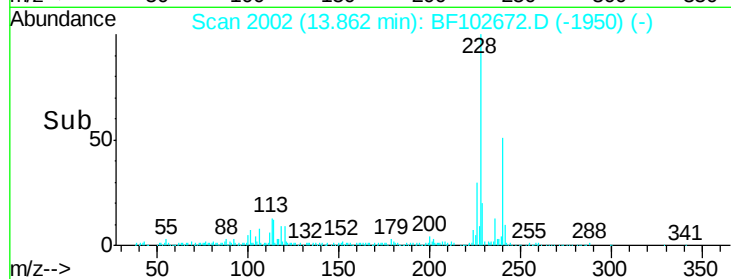
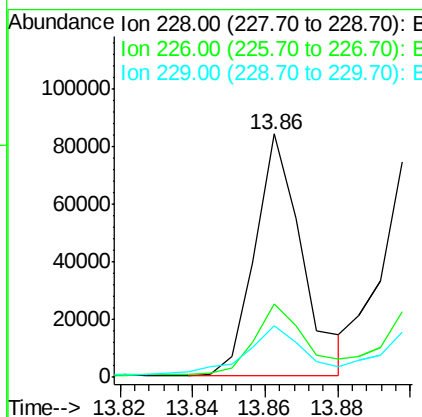
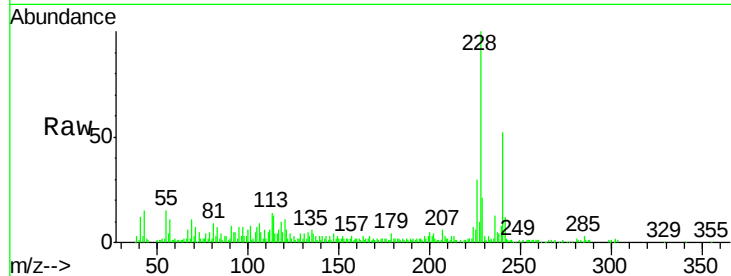
#80
Benzo(a)anthracene
Concen: 4.684 ng
RT: 13.86 min Scan# 2002
Delta R.T. 0.01 min
Lab File: BF102672.D
Acq: 31 Jan 2018 23:13

Instrument :
BNA_F
ClientSampleId :
SP-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	33.8
229	21.0	15.8	23.6

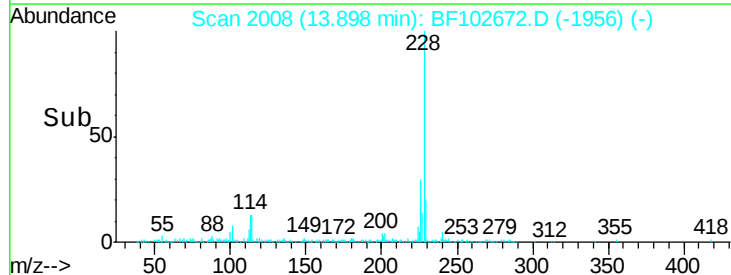
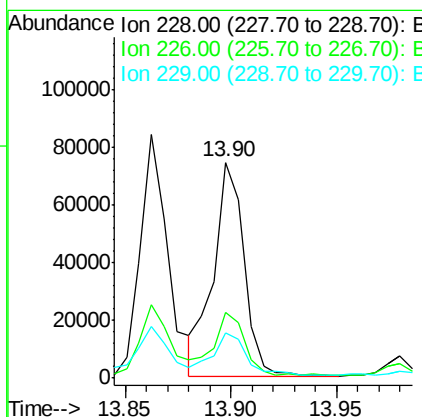
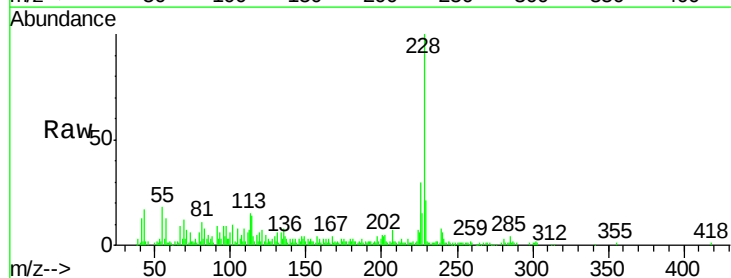
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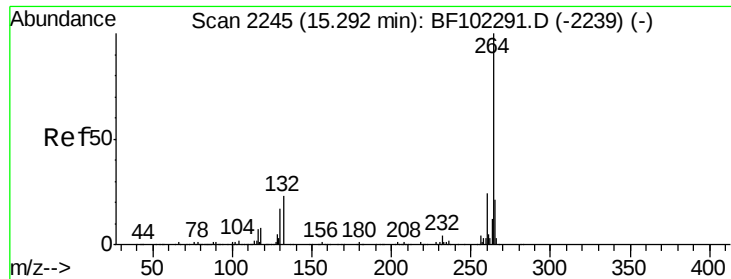
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#82
Chrysene
Concen: 4.597 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.01 min
Lab File: BF102672.D
Acq: 31 Jan 2018 23:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	21.0	16.2	24.4





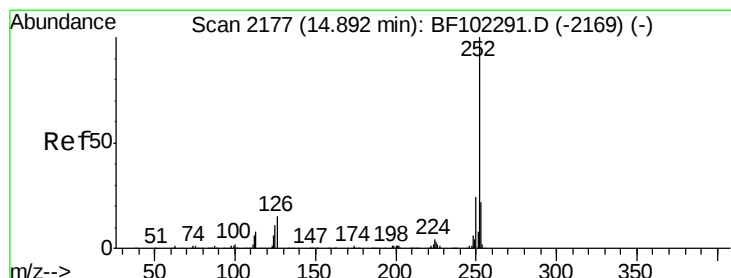
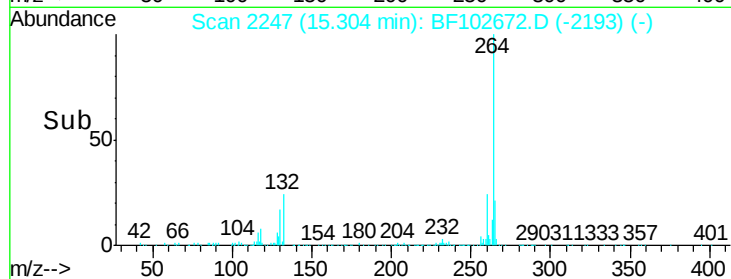
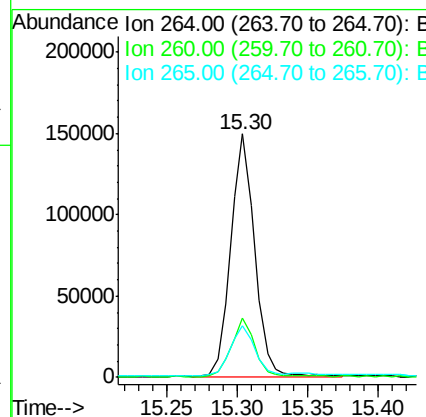
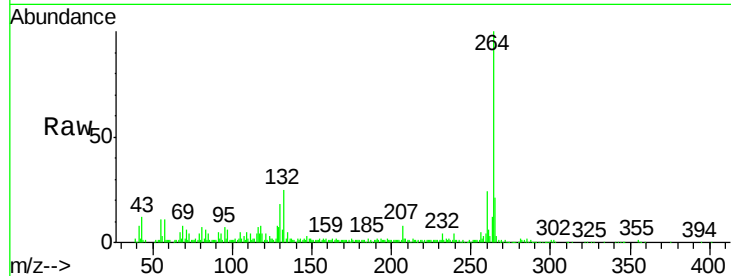
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.02 min
Lab File: BF102672.D
Acq: 31 Jan 2018 23:13

Instrument :
BNA_F
ClientSampleId :
SP-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.4	17.5	26.3

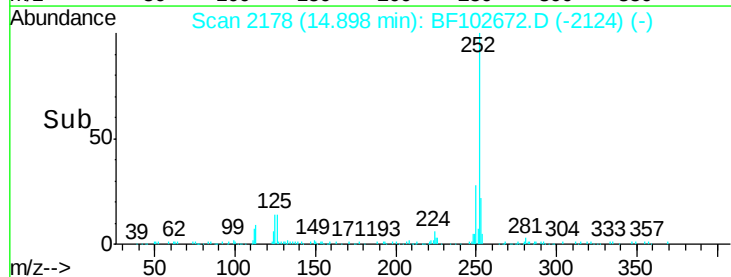
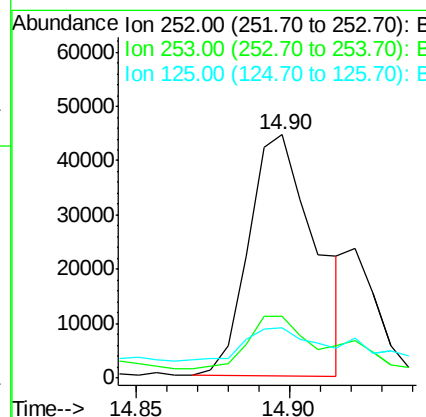
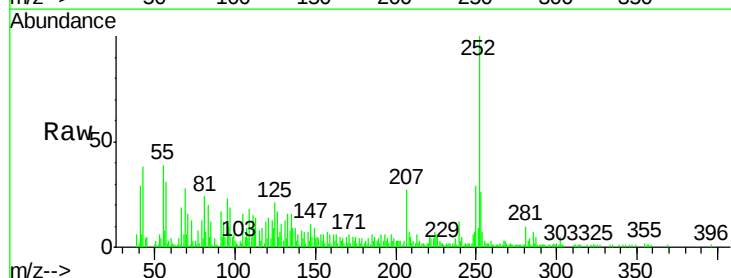
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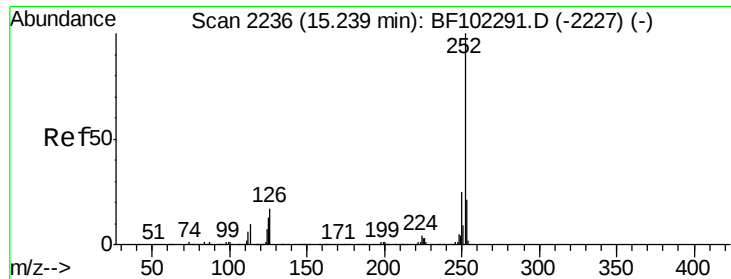
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#87
Benzo(b)fluoranthene
Concen: 5.931 ng m
RT: 14.90 min Scan# 2178
Delta R.T. 0.02 min
Lab File: BF102672.D
Acq: 31 Jan 2018 23:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.0	25.6#
125	20.6	9.0	13.6#





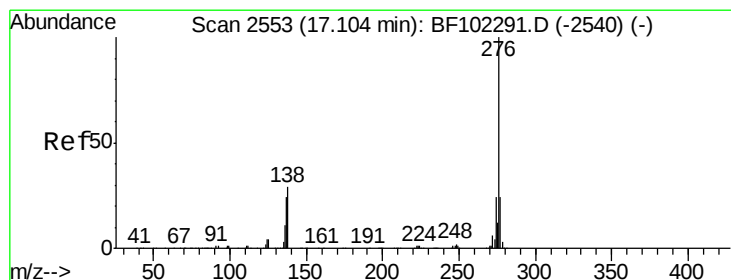
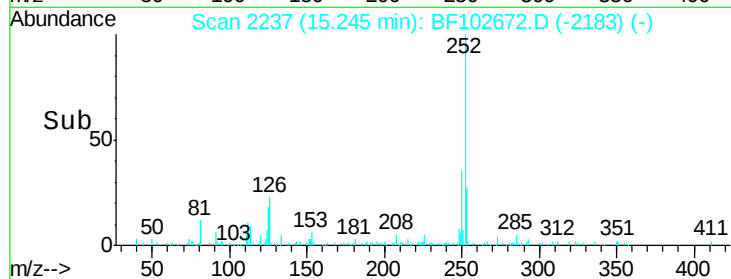
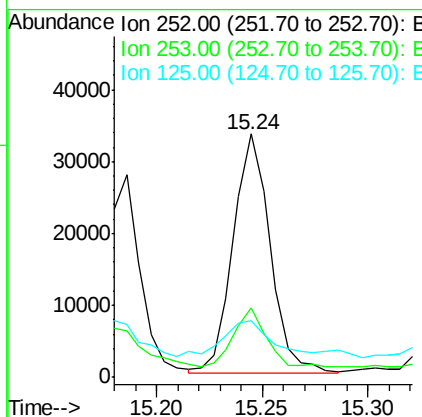
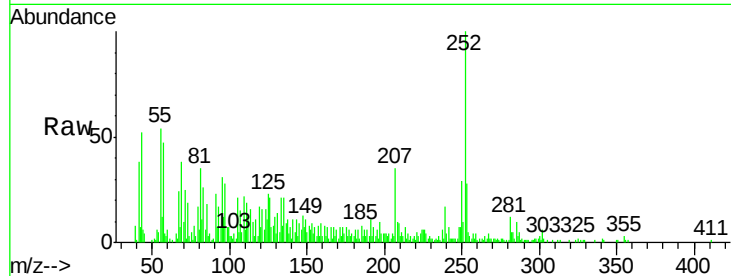
#89
Benzo(a)pyrene
Concen: 3.950 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.02 min
Lab File: BF102672.D
Acq: 31 Jan 2018 23:13

Instrument :
BNA_F
ClientSampled :
SP-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.4	17.1	25.7#
125	23.2	9.8	14.6#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.468 ng
RT: 17.13 min Scan# 2558
Delta R.T. 0.03 min
Lab File: BF102672.D
Acq: 31 Jan 2018 23:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	31.1	17.9	26.9#
138	41.6	21.8	32.8#

