

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012718\
 Data File : BF102528.D
 Acq On : 27 Jan 2018 23:24
 Operator : SJ/JU
 Sample : J1290-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-51-10.5-11.0

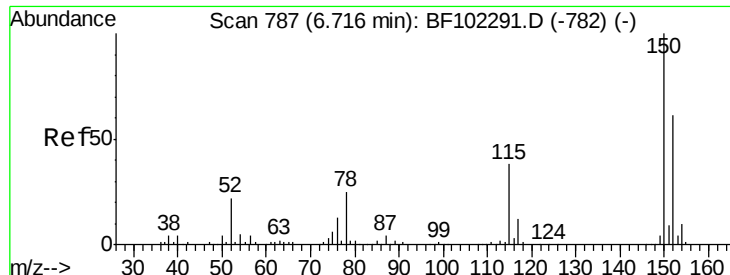
Manual Integrations
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Quant Time: Jan 29 12:05:58 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	171290	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	704632	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	285700	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	406579	20.00	ng	0.00
75) Chrysene-d12	13.88	240	303607	20.00	ng	0.00
86) Perylene-d12	15.31	264	228615	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1159433	102.63	ng	0.01
7) Phenol-d6	6.37	99	1423609	104.53	ng	0.00
23) Nitrobenzene-d5	7.29	82	863714	70.44	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	235317	83.13	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1397314	71.91	ng	0.00
78) Terphenyl-d14	12.82	244	942686	70.00	ng	0.00
Target Compounds						
10) Phenol	6.37	94	72694	4.889	ng	Qvalue 92
49) Dimethylphthalate	9.47	163	262611	11.121	ng	99
57) Fluorene	10.30	166	46502	2.400	ng	98
70) Phenanthrene	11.26	178	369668	15.603	ng	98
71) Anthracene	11.31	178	95701	3.957	ng	97
74) Fluoranthene	12.45	202	403754	16.711	ng	99
77) Pyrene	12.68	202	313276	13.346	ng	99
80) Benzo(a)anthracene	13.87	228	158305	8.469	ng	99
82) Chrysene	13.90	228	142874m	7.527	ng	
85) Indeno(1,2,3-cd)pyrene	16.70	276	36623	2.336	ng	96
87) Benzo(b)fluoranthene	14.90	252	131813m	8.896	ng	
88) Benzo(k)fluoranthene	14.92	252	47843m	3.417	ng	
89) Benzo(a)pyrene	15.24	252	82848	6.199	ng	# 93
91) Benzo(g,h,i)perylene	17.13	276	32970	3.085	ng	# 88

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



#1

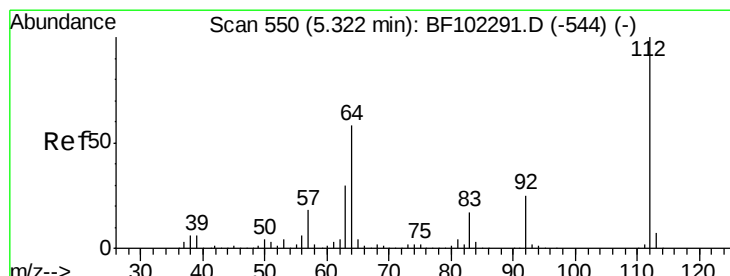
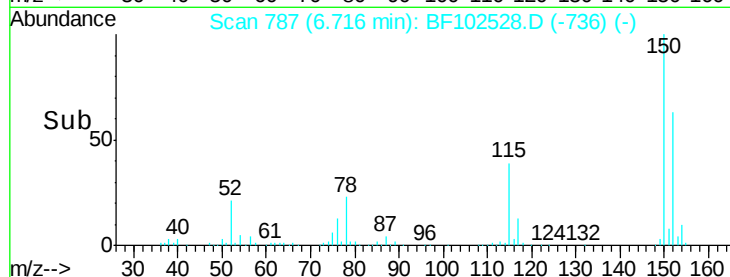
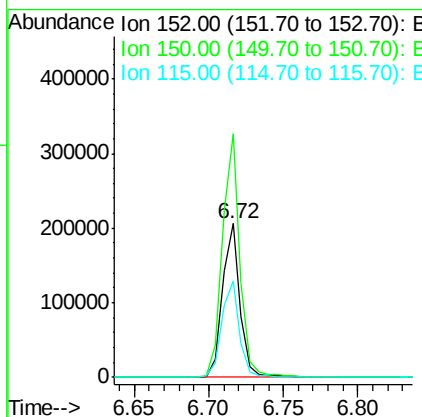
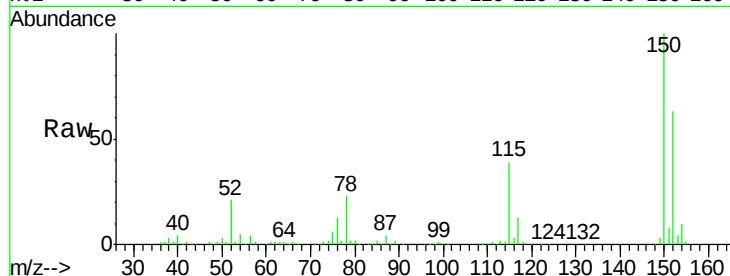
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF102528.D
Acq: 27 Jan 2018 23:24

Instrument :
BNA_F
ClientSampleId :
SB-51-10.5-11.0

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.7	124.6	186.8
115	62.6	50.1	75.1

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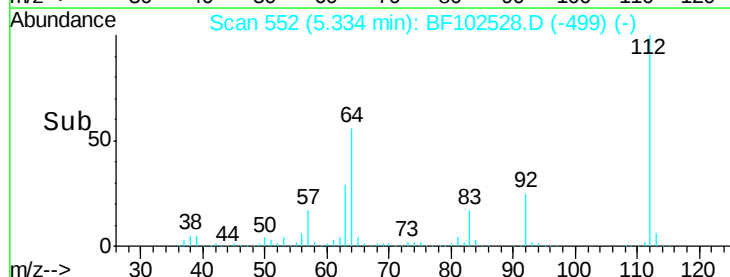
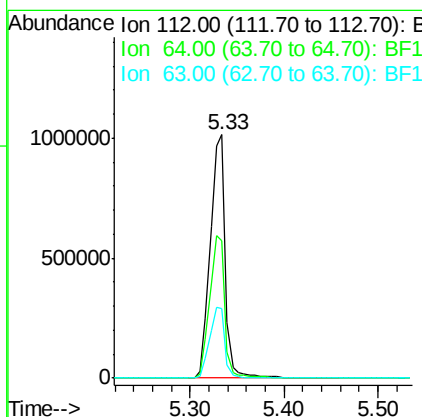
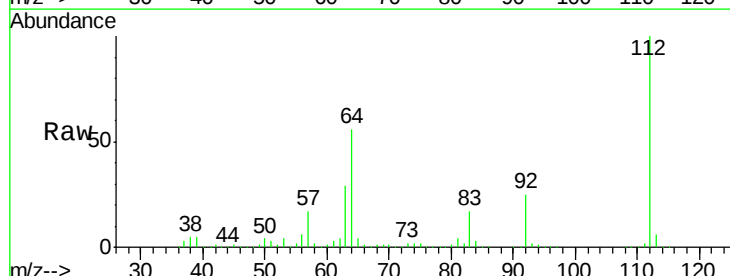
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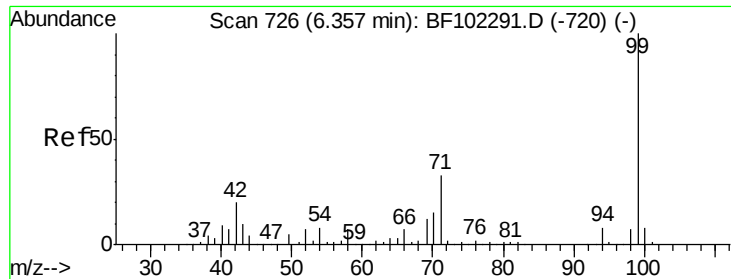


#5

2-Fluorophenol
Concen: 102.633 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102528.D
Acq: 27 Jan 2018 23:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	47.9	71.9
63	28.7	23.7	35.5





#7

Phenol-d6

Concen: 104.528 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF102528.D

Acq: 27 Jan 2018 23:24

Instrument :

BNA_F

ClientSampleId :

SB-51-10.5-11.0

Tgt Ion: 99 Resp: 1423609

Ion Ratio Lower Upper

99 100

42 17.8 14.5 21.7

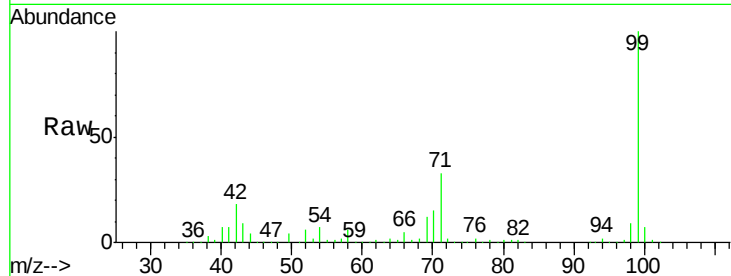
71 32.6 25.4 38.0

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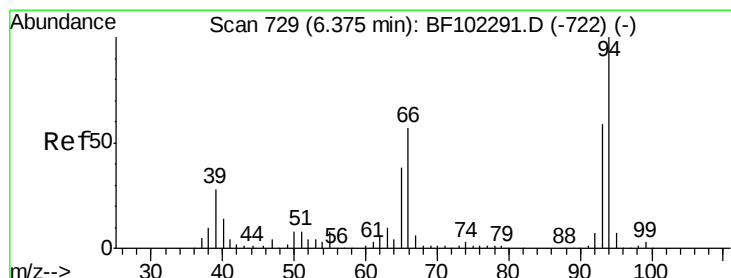
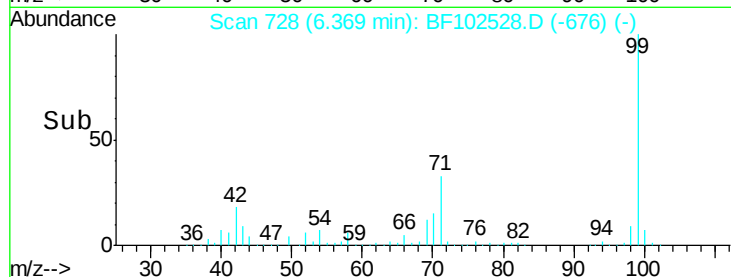
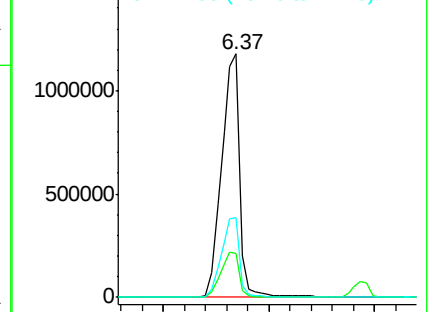
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.889 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF102528.D

Acq: 27 Jan 2018 23:24

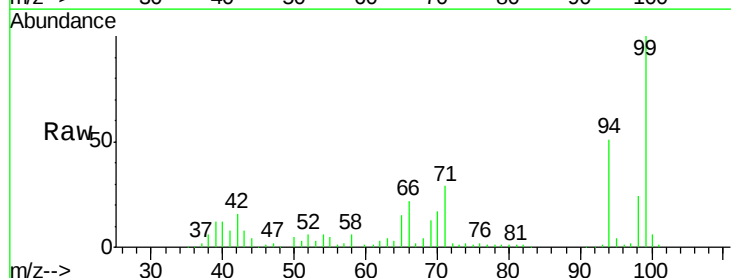
Tgt Ion: 94 Resp: 72694

Ion Ratio Lower Upper

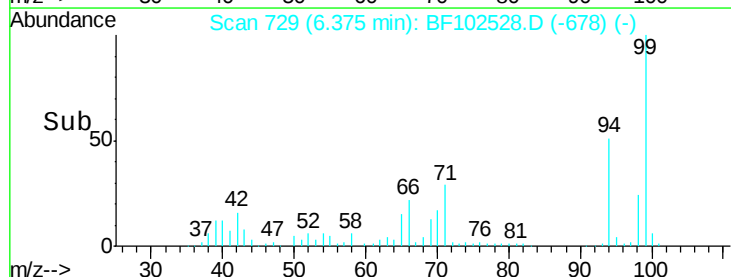
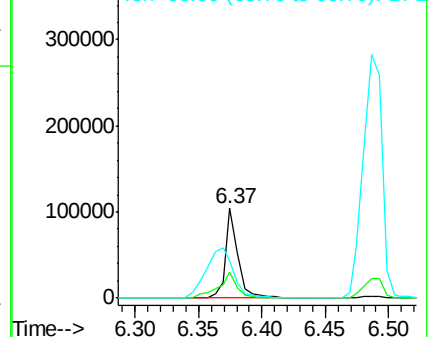
94 100

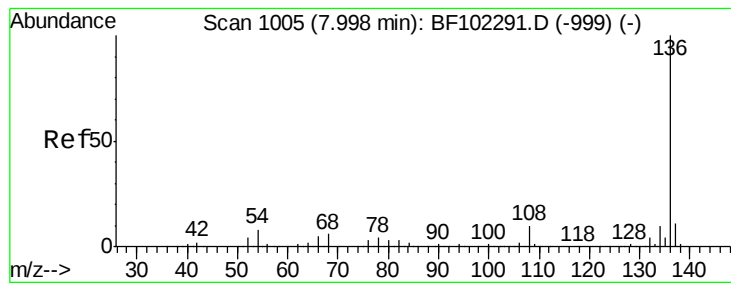
65 29.7 7.9 47.9

66 42.6 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: 8.00 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BF102528.D

Acq: 27 Jan 2018 23:24

Instrument :

BNA_F

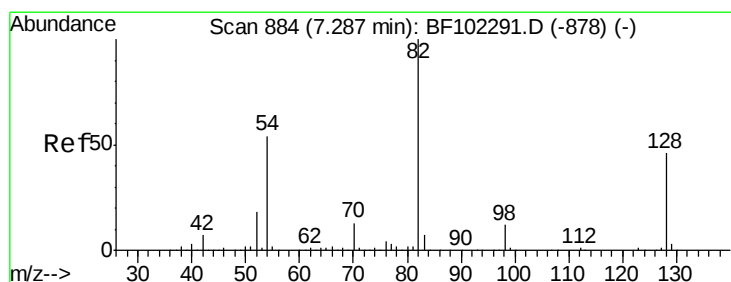
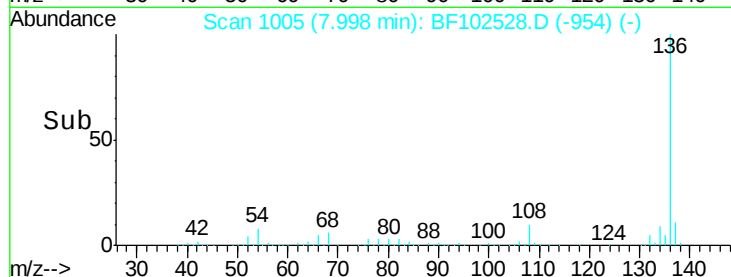
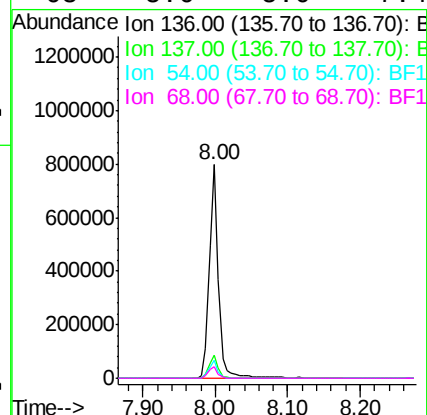
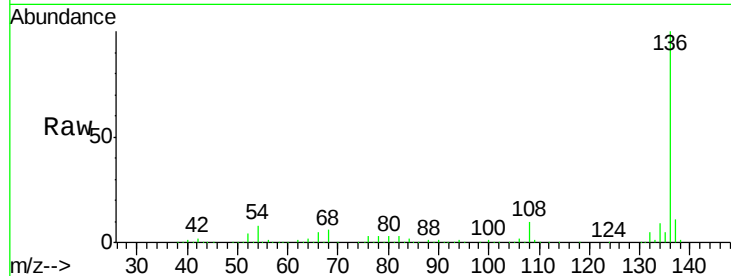
ClientSampleId :

SB-51-10.5-11.0

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	704632		
137	10.9	8.9	13.3	
54	8.3	6.6	9.8	
68	5.6	5.0	7.4	

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#23

Nitrobenzene-d5

Concen: 70.441 ng

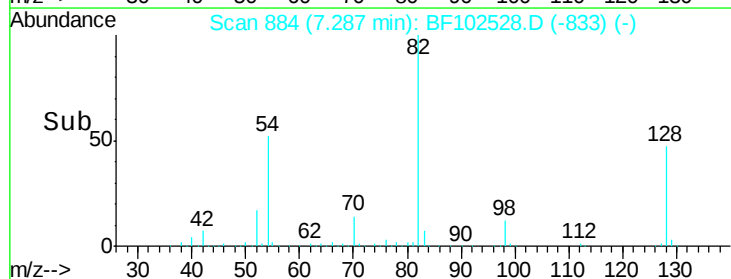
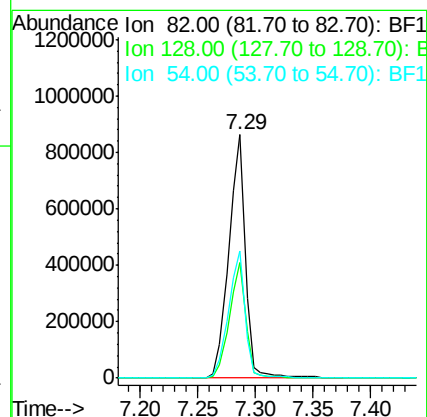
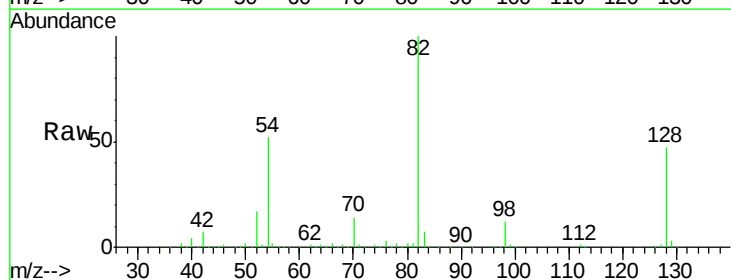
RT: 7.29 min Scan# 884

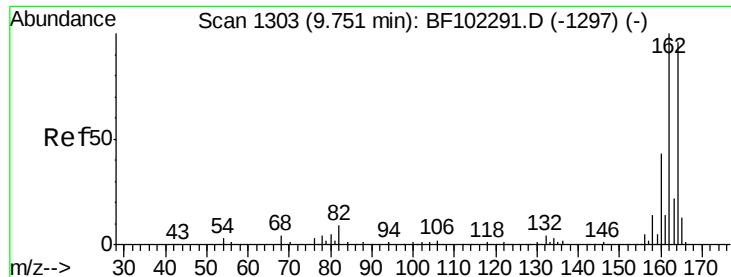
Delta R.T. 0.00 min

Lab File: BF102528.D

Acq: 27 Jan 2018 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	863714		
128	47.4	36.1	54.1	
54	52.3	41.4	62.2	





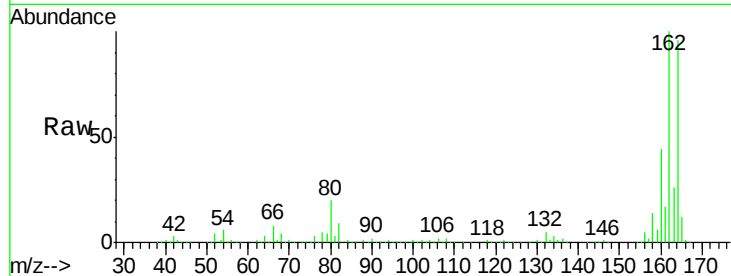
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. 0.00 min
 Lab File: BF102528.D
 Acq: 27 Jan 2018 23:24

Instrument :
 BNA_F
 ClientSampleId :
 SB-51-10.5-11.0

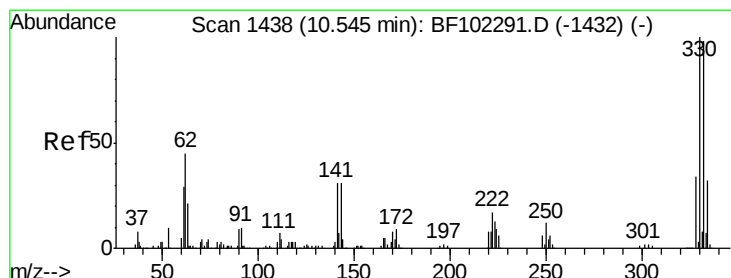
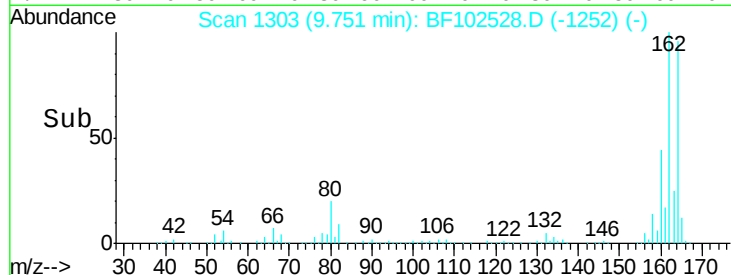
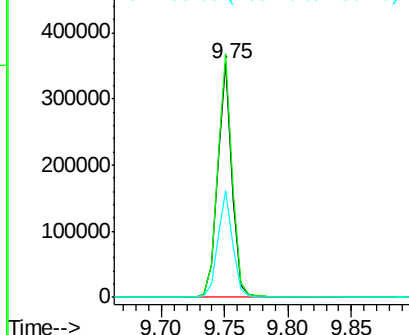
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	285700		
162	103.8	86.1	129.1	
160	45.5	38.3	57.5	

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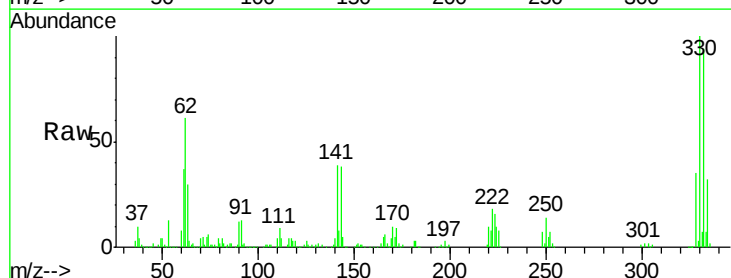


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

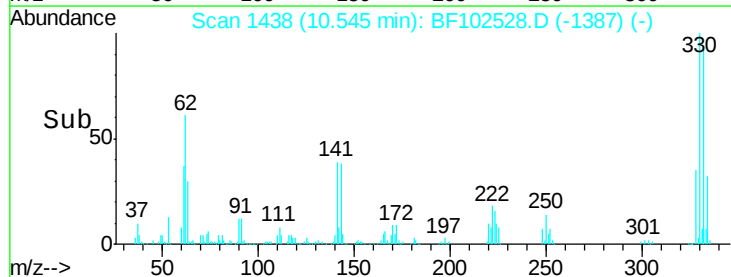
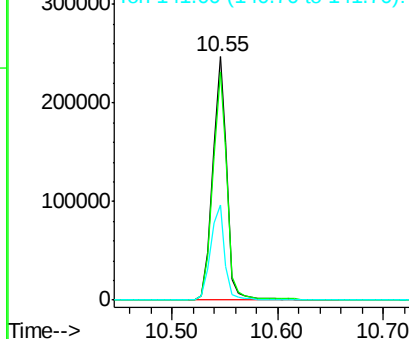


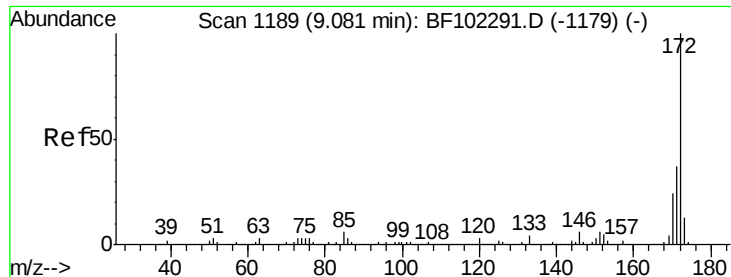
#41
 2,4,6-Tribromophenol
 Concen: 83.125 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: BF102528.D
 Acq: 27 Jan 2018 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	235317		
332	94.7	77.0	115.6	
141	39.8	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





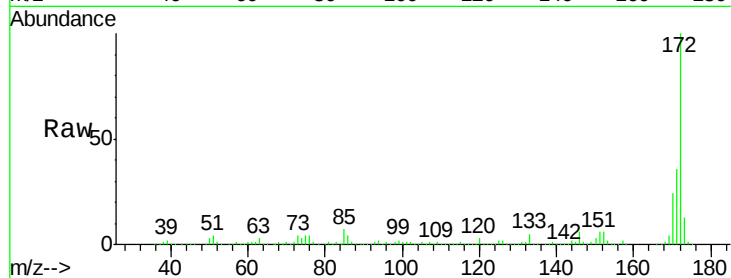
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2-Fluorobiphenyl
Concen: 71.913 ng
RT: 9.07 min Scan# 1188
Delta R.T. 0.00 min
Lab File: BF102528.D
Acq: 27 Jan 2018 23:24

Instrument :
BNA_F
ClientSampleId :
SB-51-10.5-11.0

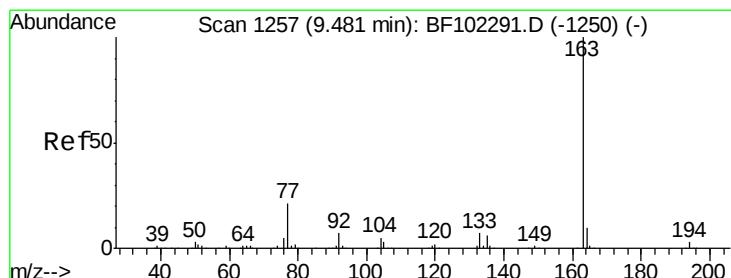
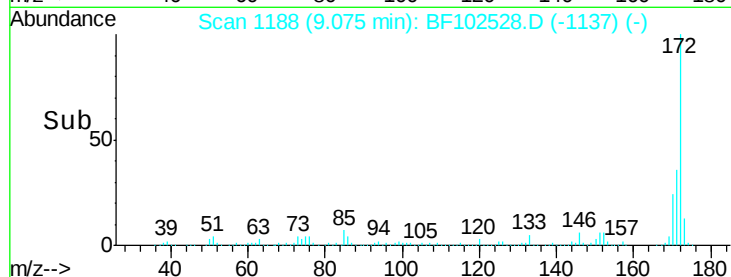
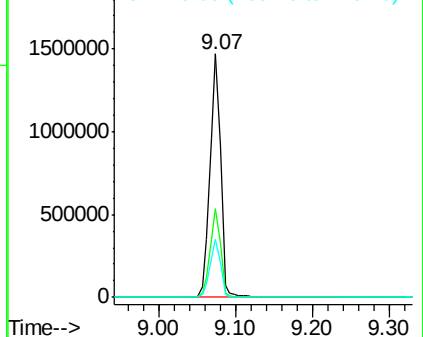
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	23.9	19.6	29.4

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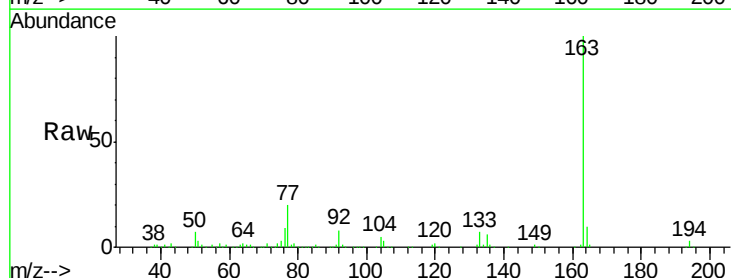


Abundance Ion 172.00 (171.70 to 172.70): E
2000000
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

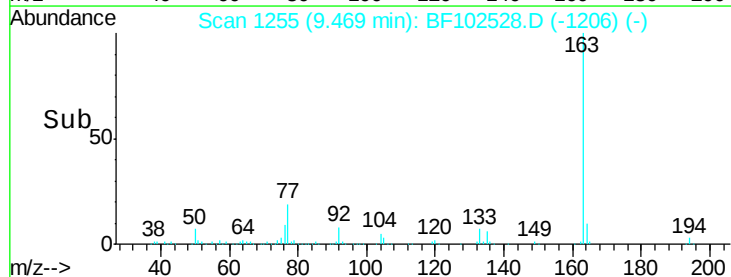
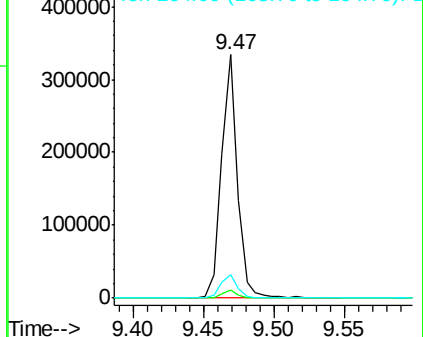


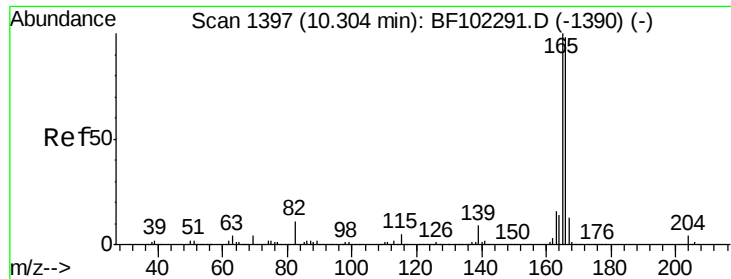
#49
Dimethylphthalate
Concen: 11.121 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102528.D
Acq: 27 Jan 2018 23:24

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	9.6	8.2	12.2



Abundance Ion 163.00 (162.70 to 163.70): E
400000
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#57

Fluorene

Concen: 2.400 ng

RT: 10.30 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF102528.D

Acq: 27 Jan 2018 23:24

Instrument :

BNA_F

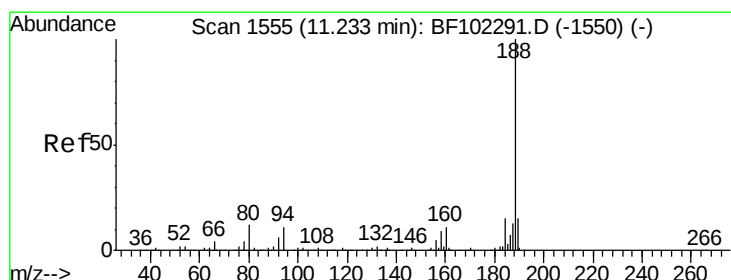
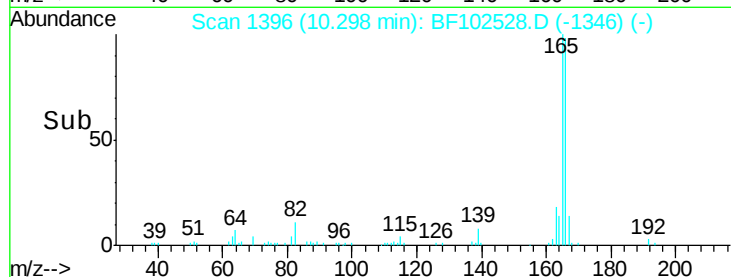
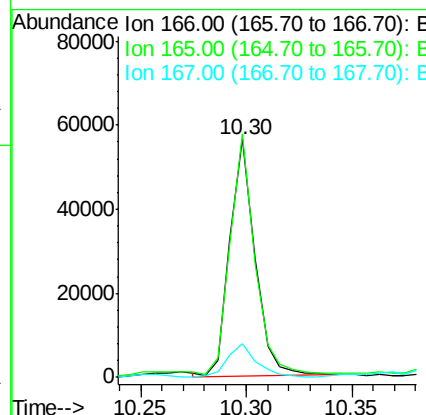
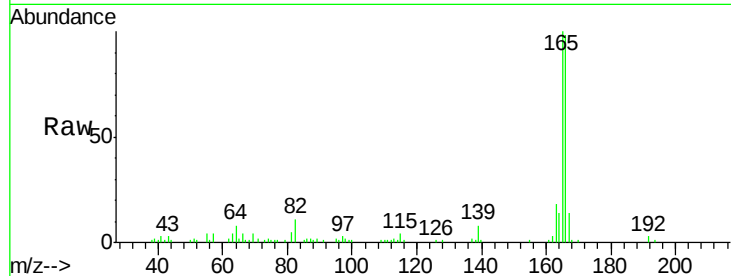
ClientSampleId :

SB-51-10.5-11.0

Tgt Ion:	166	Resp:	46502
Ion Ratio	Lower	Upper	
166	100		
165	102.1	79.8	119.8
167	14.2	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.000 ng

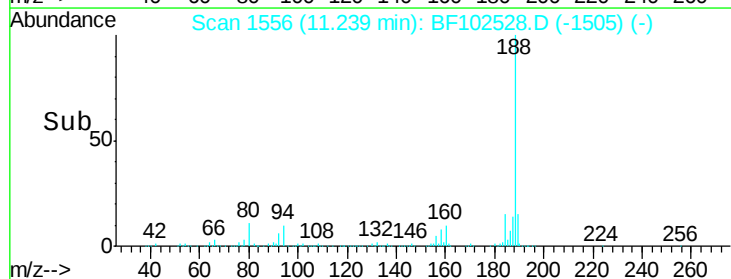
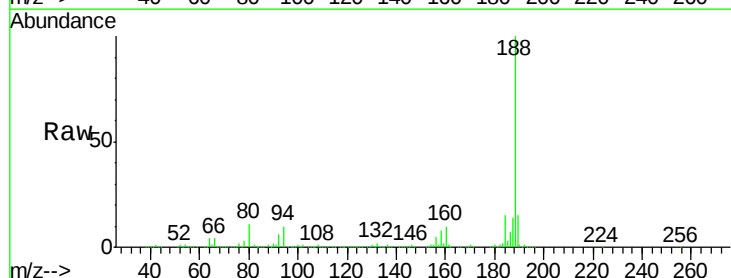
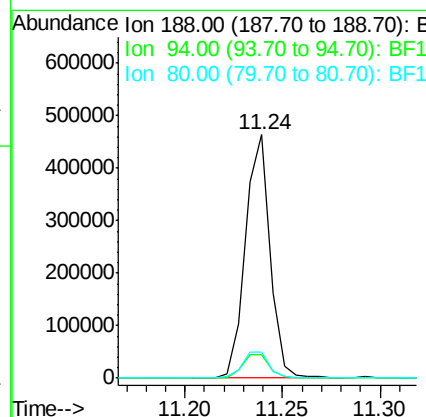
RT: 11.24 min Scan# 1556

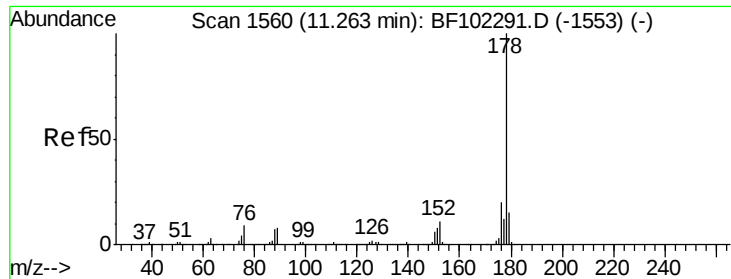
Delta R.T. 0.00 min

Lab File: BF102528.D

Acq: 27 Jan 2018 23:24

Tgt Ion:	188	Resp:	406579
Ion Ratio	Lower	Upper	
188	100		
94	9.6	8.5	12.7
80	10.7	9.2	13.8





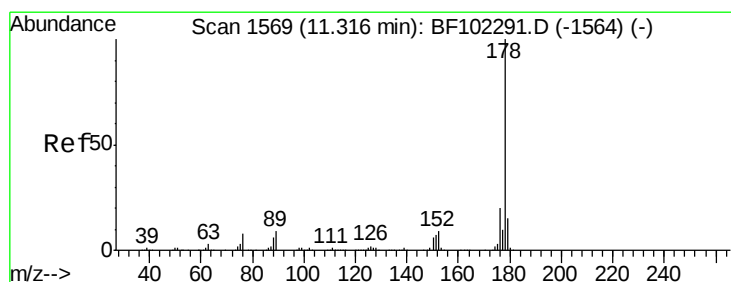
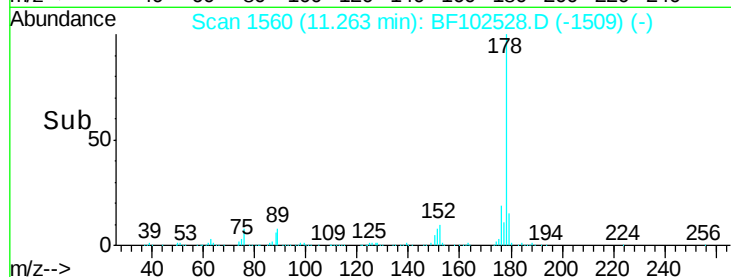
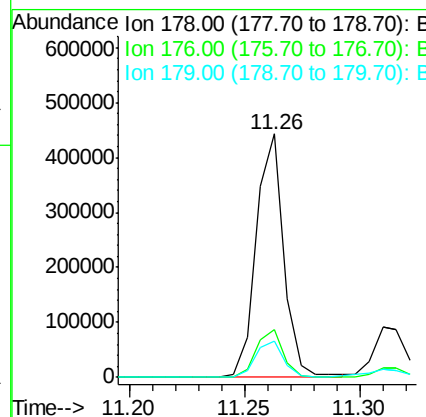
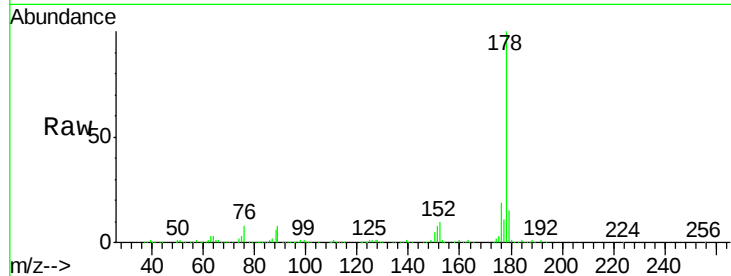
#70
Phenanthrene
Concen: 15.603 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF102528.D
Acq: 27 Jan 2018 23:24

Instrument :
BNA_F
ClientSampleId :
SB-51-10.5-11.0

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	14.9	13.0	19.6

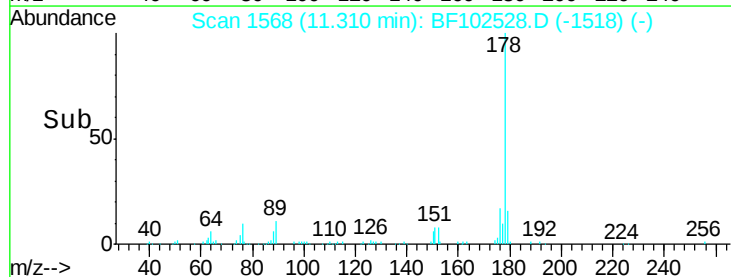
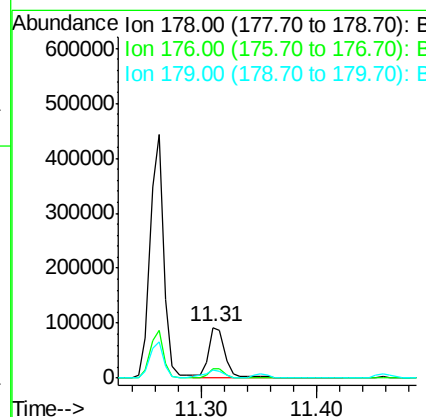
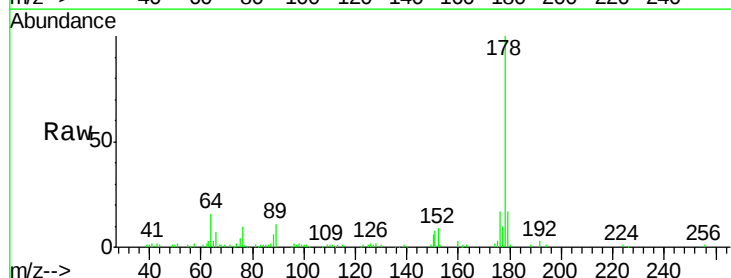
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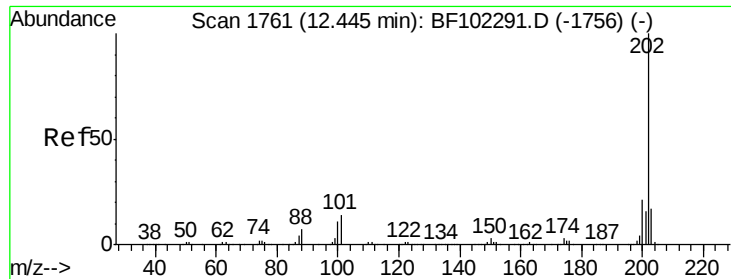
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#71
Anthracene
Concen: 3.957 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF102528.D
Acq: 27 Jan 2018 23:24

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.4	23.2
179	16.8	12.6	19.0





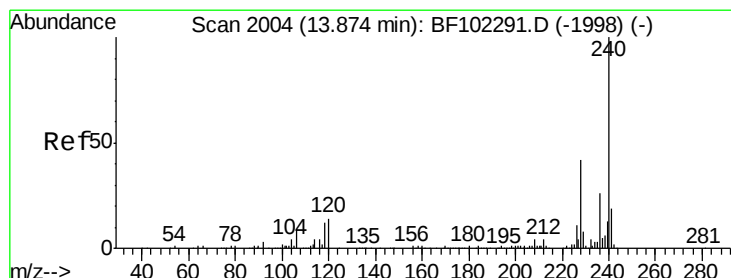
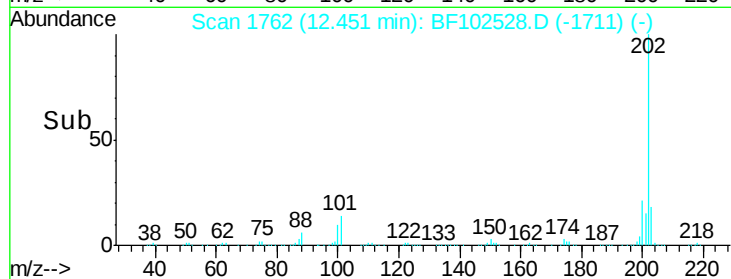
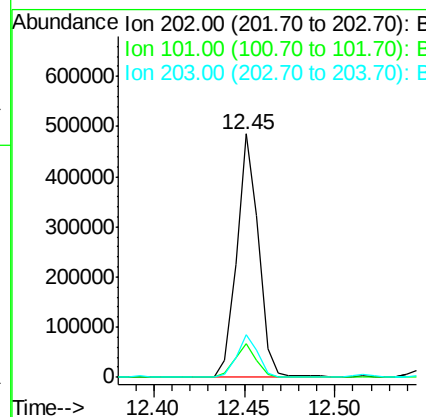
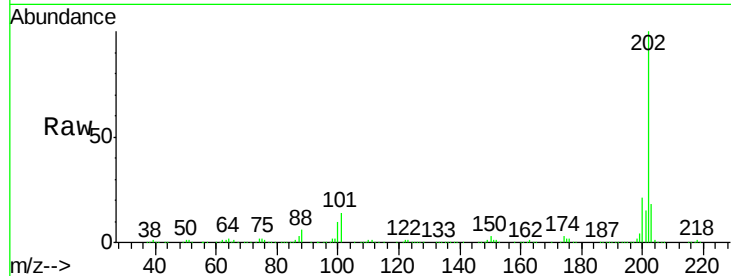
#74
 Fluoranthene
 Concen: 16.711 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: BF102528.D
 Acq: 27 Jan 2018 23:24

Instrument :
 BNA_F
 ClientSampleId :
 SB-51-10.5-11.0

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	13.8	0.0	34.1
203	17.5	0.0	38.1

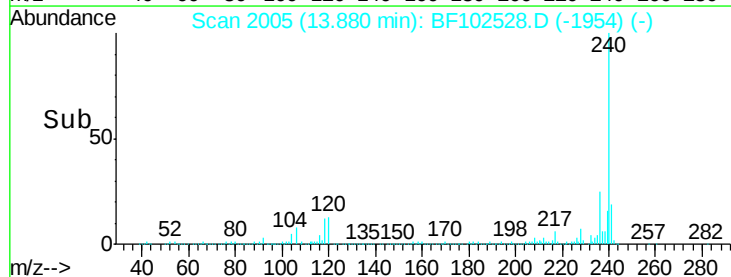
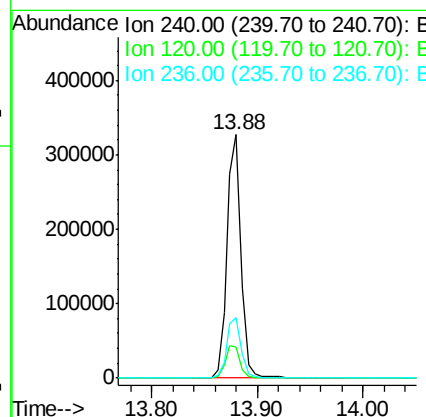
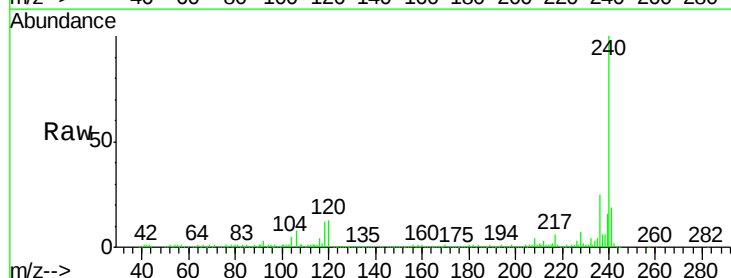
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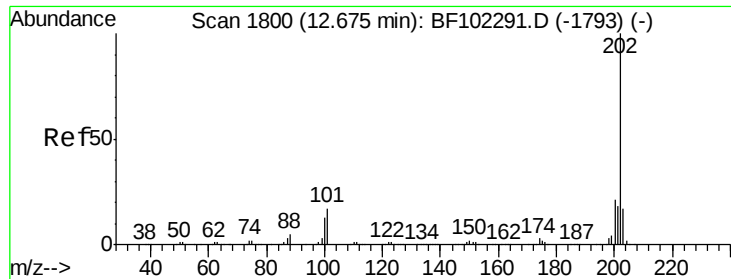
Sohil
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#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. 0.00 min
 Lab File: BF102528.D
 Acq: 27 Jan 2018 23:24

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	12.8	9.5	14.3
236	24.8	20.7	31.1





#77

Pyrene

Concen: 13.346 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF102528.D

Acq: 27 Jan 2018 23:24

Instrument :

BNA_F

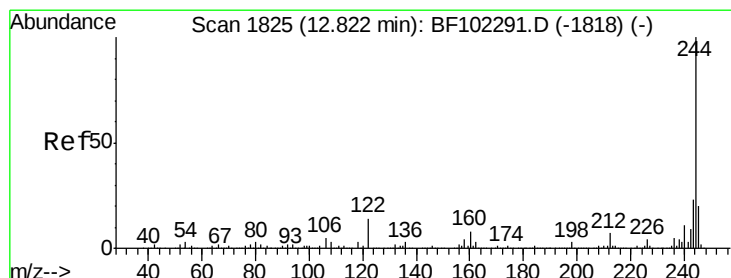
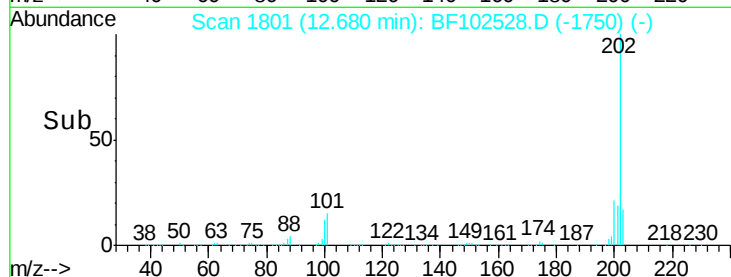
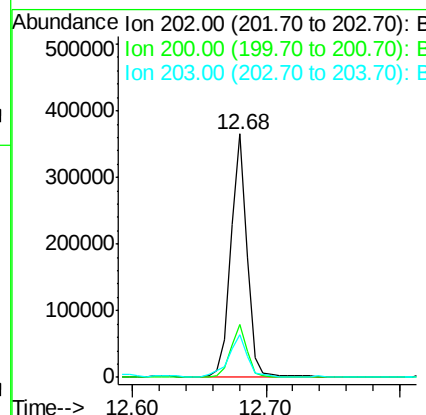
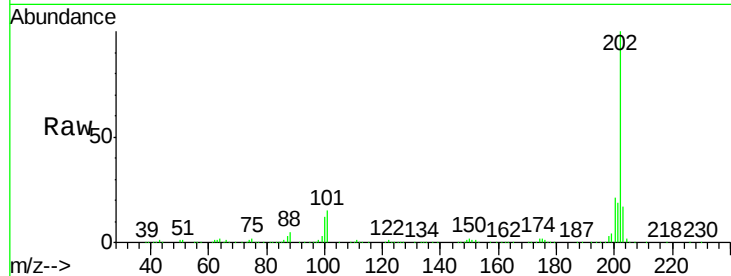
ClientSampleId :

SB-51-10.5-11.0

Tgt Ion:	202	Resp:	313276
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.4	26.2
203	17.4	14.3	21.5

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#78

Terphenyl-d14

Concen: 69.997 ng

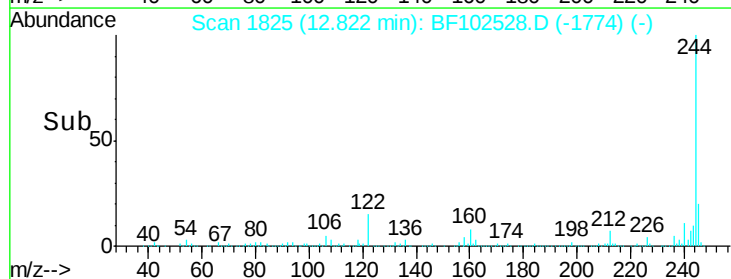
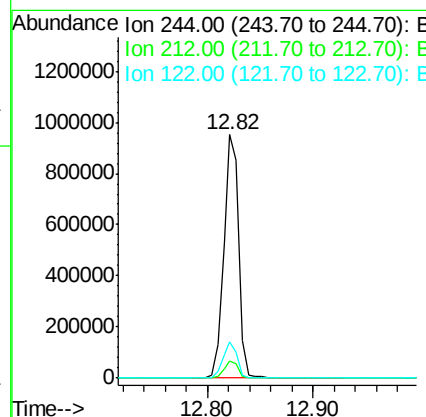
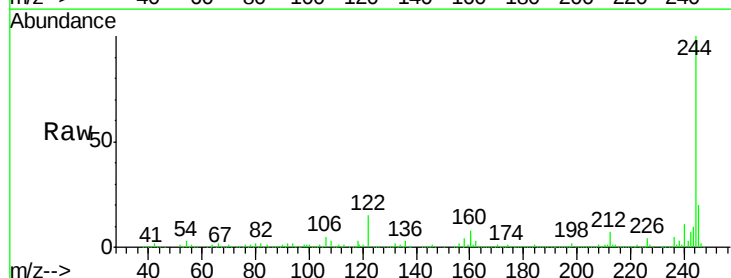
RT: 12.82 min Scan# 1825

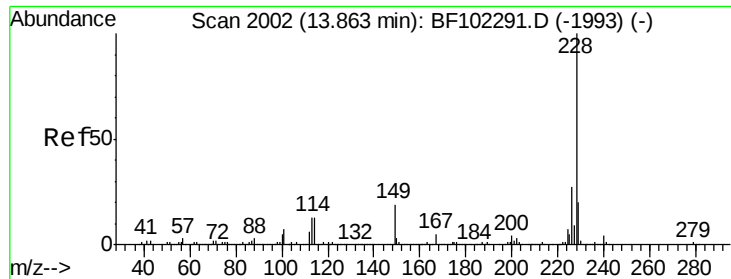
Delta R.T. 0.00 min

Lab File: BF102528.D

Acq: 27 Jan 2018 23:24

Tgt Ion:	244	Resp:	942686
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.0
122	14.7	11.0	16.4





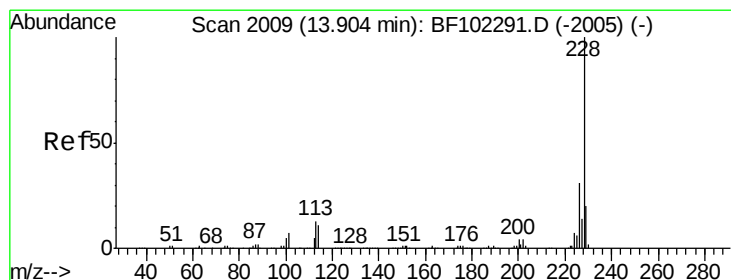
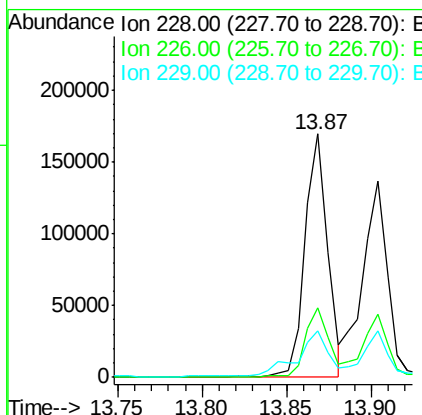
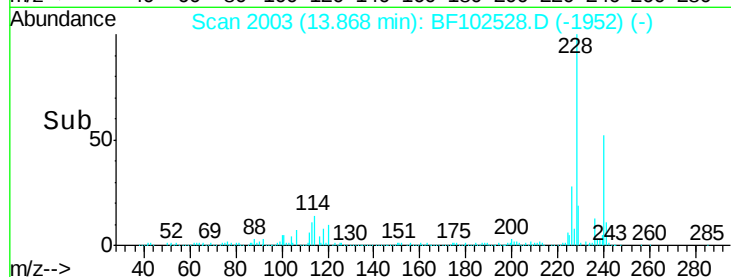
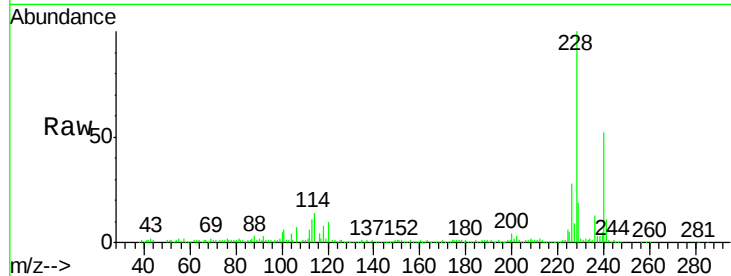
#80
Benzo(a)anthracene
Concen: 8.469 ng
RT: 13.87 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BF102528.D
Acq: 27 Jan 2018 23:24

Instrument :
BNA_F
ClientSampleId :
SB-51-10.5-11.0

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	19.2	15.8	23.6

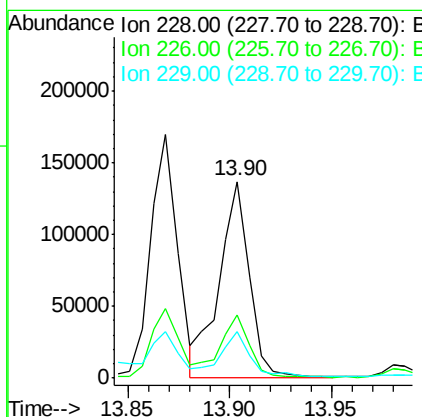
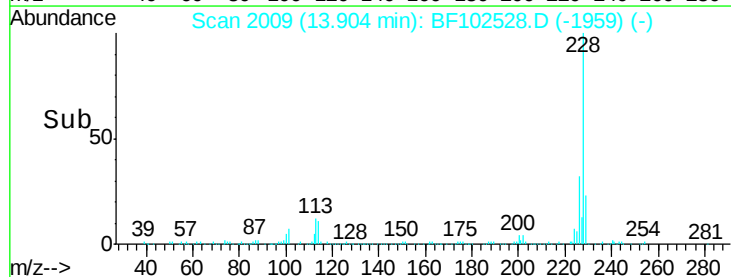
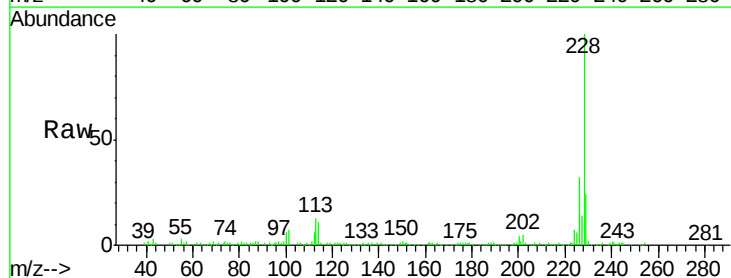
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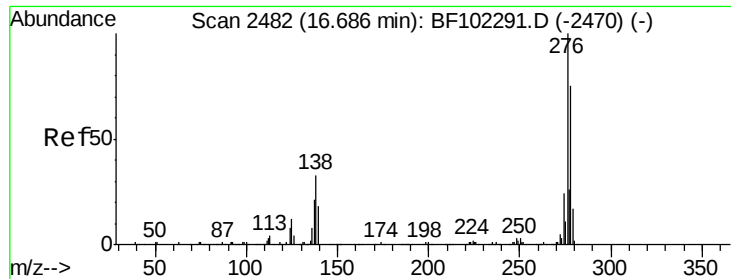
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#82
Chrysene
Concen: 7.527 ng m
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF102528.D
Acq: 27 Jan 2018 23:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	25.0	37.6
229	23.6	16.2	24.4





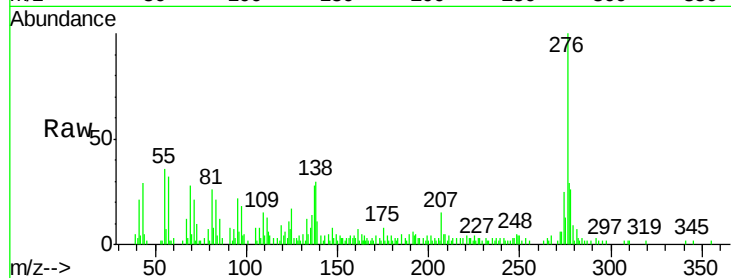
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.336 ng
 RT: 16.70 min Scan# 2485
 Delta R.T. -0.01 min
 Lab File: BF102528.D
 Acq: 27 Jan 2018 23:24

Instrument :
 BNA_F
 ClientSampleId :
 SB-51-10.5-11.0

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.3	25.0	37.6
277	25.8	20.1	30.1

Manual Integrations
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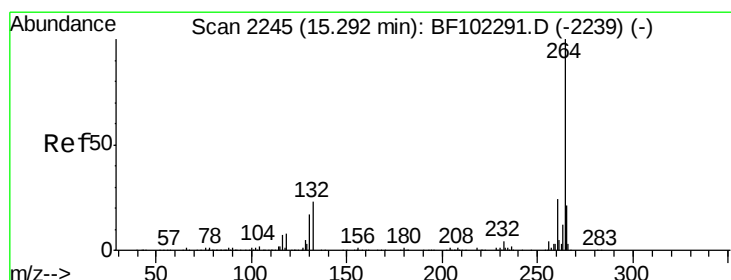
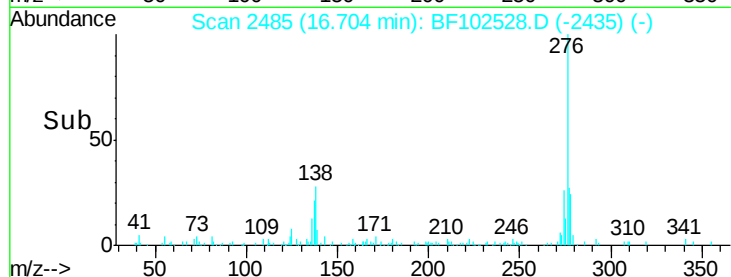
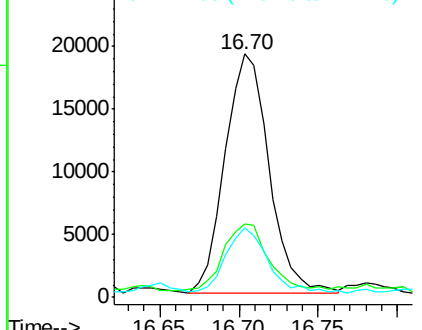


Abundance

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: 15.31 min Scan# 2248
 Delta R.T. 0.01 min
 Lab File: BF102528.D
 Acq: 27 Jan 2018 23:24

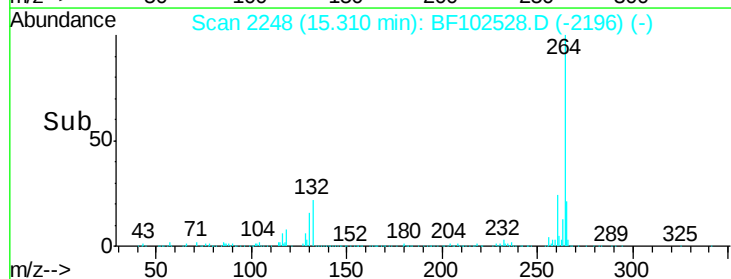
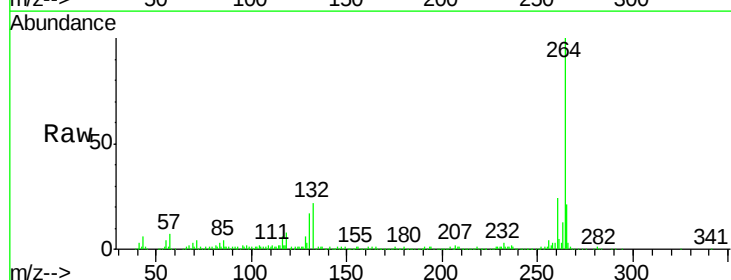
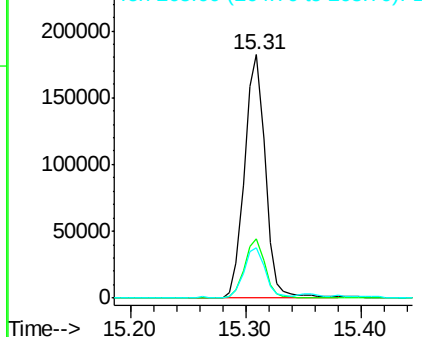
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	20.9	17.5	26.3

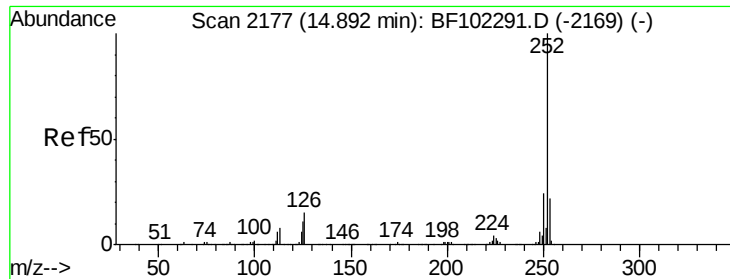
Abundance

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





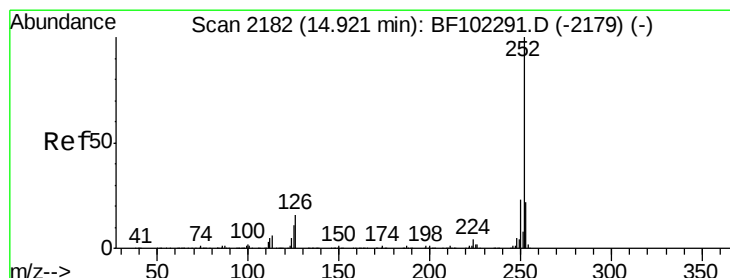
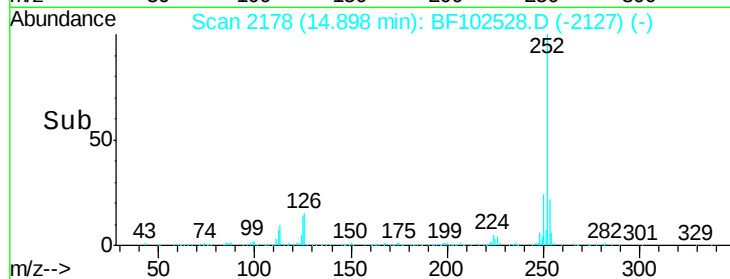
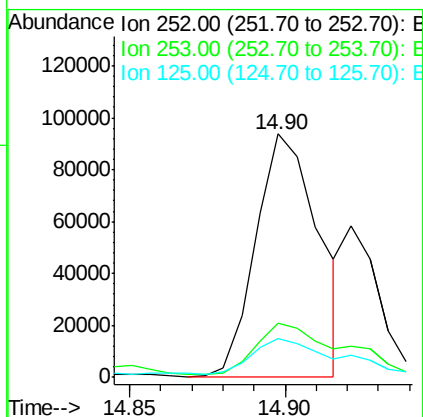
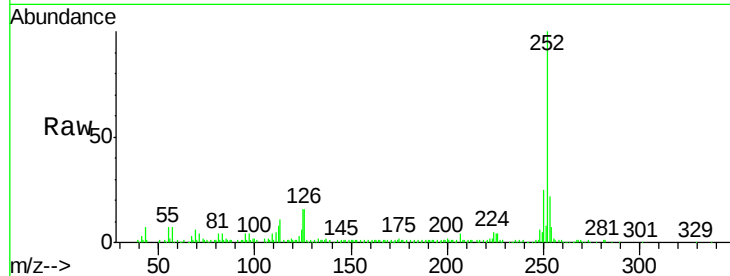
#87
Benzo(b)fluoranthene
Concen: 8.896 ng m
RT: 14.90 min Scan# 2178
Delta R.T. 0.00 min
Lab File: BF102528.D
Acq: 27 Jan 2018 23:24

Instrument :
BNA_F
ClientSampleId :
SB-51-10.5-11.0

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	15.7	9.0	13.6

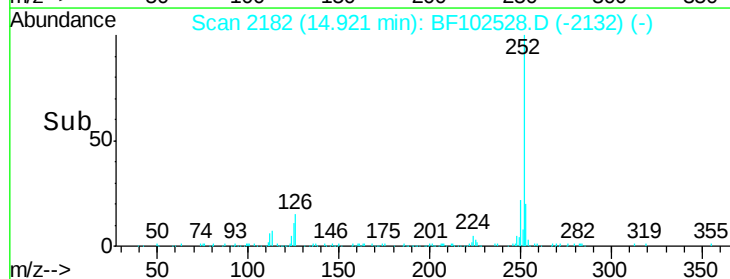
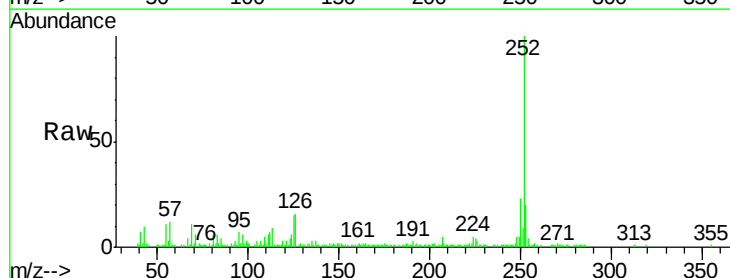
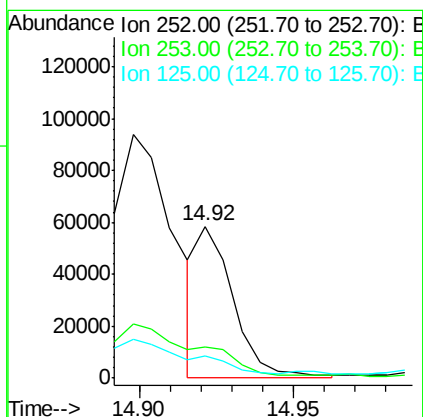
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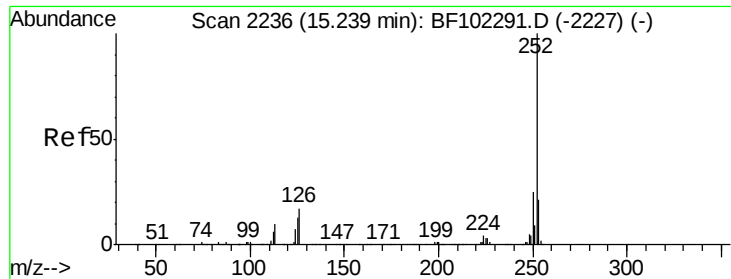
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#88
Benzo(k)fluoranthene
Concen: 3.417 ng m
RT: 14.92 min Scan# 2182
Delta R.T. -0.01 min
Lab File: BF102528.D
Acq: 27 Jan 2018 23:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.5	17.9	26.9
125	14.7	10.2	15.2





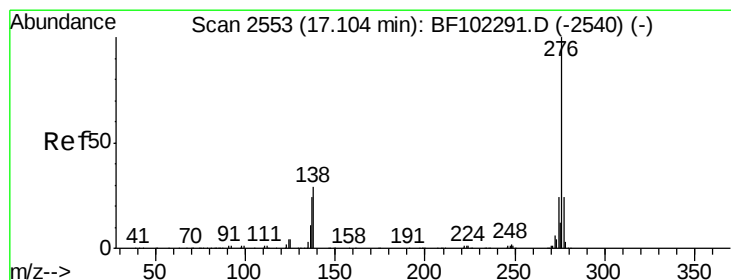
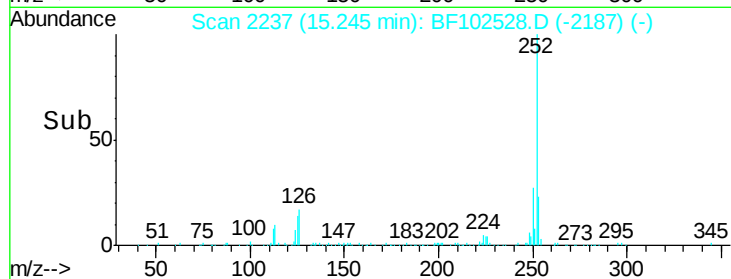
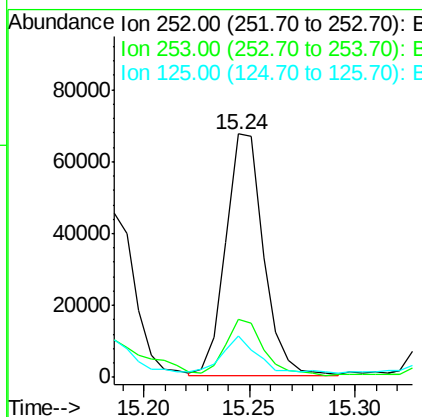
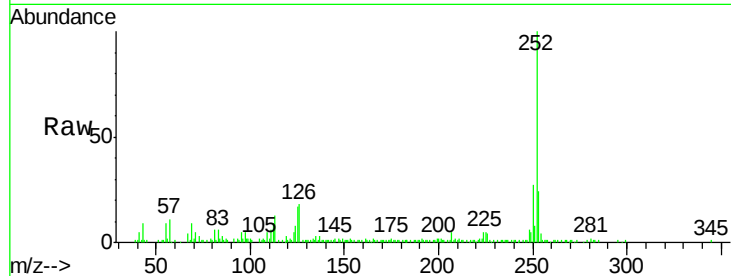
#89
Benzo(a)pyrene
Concen: 6.199 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF102528.D
Acq: 27 Jan 2018 23:24

Instrument :
BNA_F
ClientSampleId :
SB-51-10.5-11.0

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	16.8	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.085 ng
RT: 17.13 min Scan# 2557
Delta R.T. -0.01 min
Lab File: BF102528.D
Acq: 27 Jan 2018 23:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.4	17.9	26.9
138	33.3	21.8	32.8

