

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012718\
 Data File : BF102520.D
 Acq On : 27 Jan 2018 19:48
 Operator : SJ/JU
 Sample : J1009-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-05-012518-D

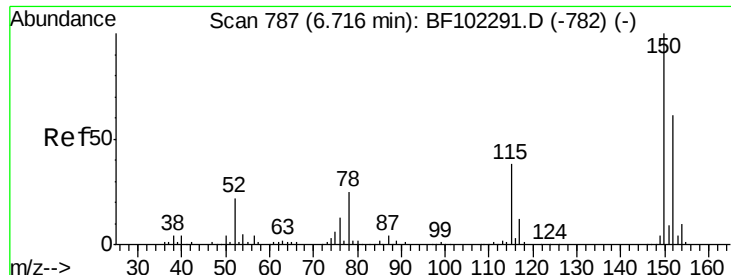
Manual Integrations
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 1/29/2018 5:44:33 PM

Quant Time: Jan 29 11:51:34 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	147589	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	581627	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	238179	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	330896	20.00	ng	0.00
75) Chrysene-d12	13.88	240	263065	20.00	ng	0.00
86) Perylene-d12	15.31	264	242525	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	958846	98.51	ng	0.00
7) Phenol-d6	6.36	99	1132440	96.50	ng	0.00
23) Nitrobenzene-d5	7.28	82	709101	70.06	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	176585	74.82	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1017619	62.82	ng	0.00
78) Terphenyl-d14	12.82	244	644095	55.20	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.37	94	52405	4.091	ng	95
31) Naphthalene	8.02	128	126034	4.340	ng	99
37) 2-Methylnaphthalene	8.71	142	72859	3.767	ng	97
49) Dimethylphthalate	9.47	163	106281	5.399	ng	97
51) Acenaphthene	9.78	154	42814	2.843	ng	97
54) Dibenzofuran	9.96	168	86389	4.238	ng	96
57) Fluorene	10.30	166	93914	5.814	ng	98
70) Phenanthrene	11.26	178	514049	26.659	ng	98
71) Anthracene	11.31	178	129144	6.562	ng	98
72) Carbazole	11.47	167	72241	3.762	ng	96
74) Fluoranthene	12.45	202	547963	27.868	ng	99
77) Pyrene	12.69	202	447789	22.016	ng	100
80) Benzo(a)anthracene	13.87	228	215589	13.311	ng	99
82) Chrysene	13.90	228	185222m	11.262	ng	
85) Indeno(1,2,3-cd)pyrene	16.70	276	46055	3.391	ng	99
87) Benzo(b)fluoranthene	14.90	252	183017m	11.643	ng	
88) Benzo(k)fluoranthene	14.92	252	58794m	3.959	ng	
89) Benzo(a)pyrene	15.24	252	124410	8.775	ng	# 92
91) Benzo(g,h,i)perylene	17.13	276	39891	3.518	ng	# 91

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



#1

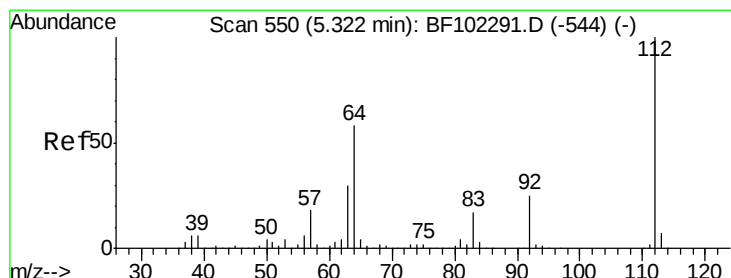
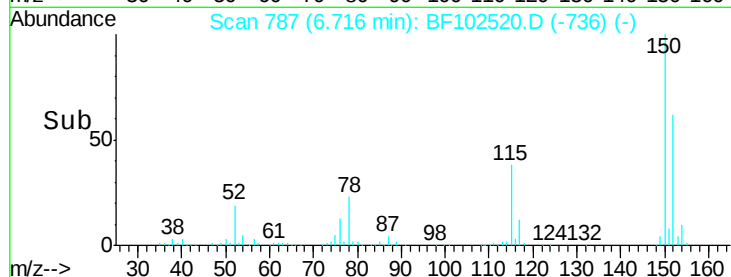
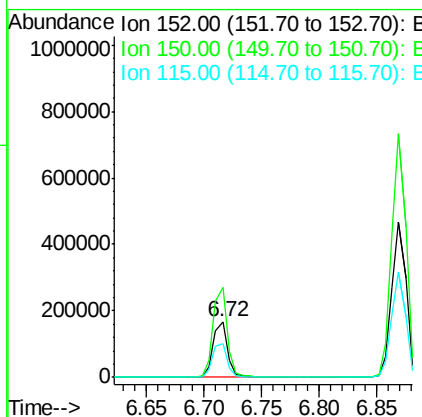
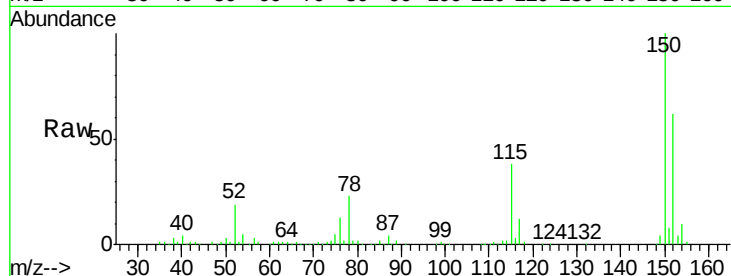
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF102520.D
Acq: 27 Jan 2018 19:48

Instrument :
BNA_F
ClientSampleId :
AU-05-012518-D

Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.1	124.6	186.8
115	60.9	50.1	75.1

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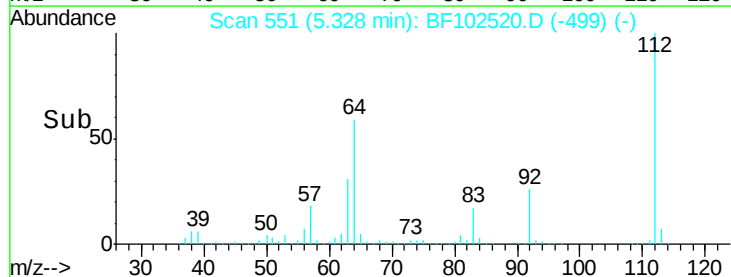
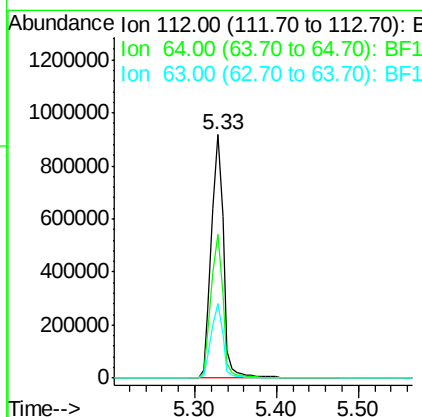
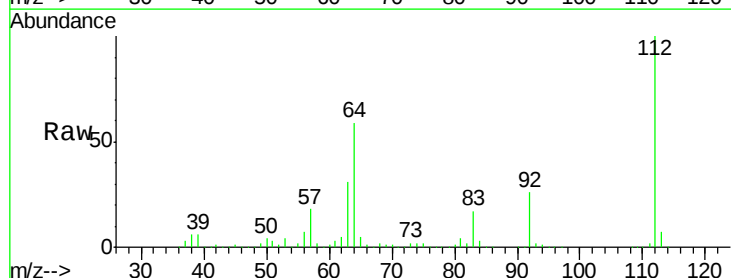
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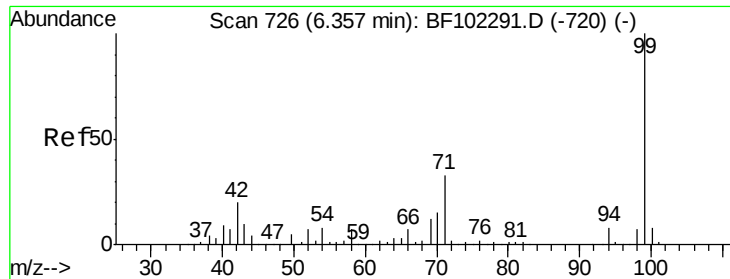


#5

2-Fluorophenol
Concen: 98.507 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102520.D
Acq: 27 Jan 2018 19:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	47.9	71.9
63	30.6	23.7	35.5





#7

Phenol-d6

Concen: 96.502 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102520.D

Acq: 27 Jan 2018 19:48

Instrument :

BNA_F

ClientSampleId :

AU-05-012518-D

Tgt Ion: 99 Resp: 1132440

Ion Ratio Lower Upper

99 100

42 18.8 14.5 21.7

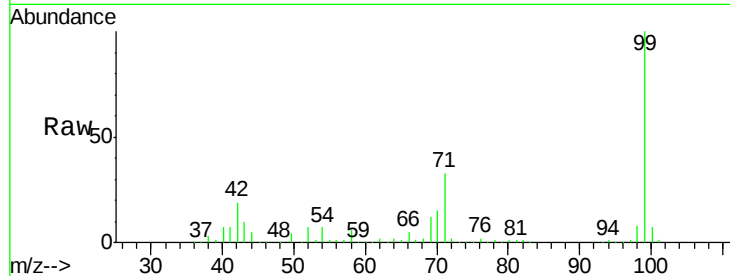
71 33.2 25.4 38.0

Manual Integrations

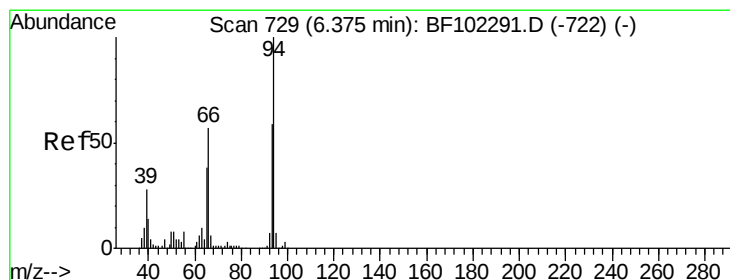
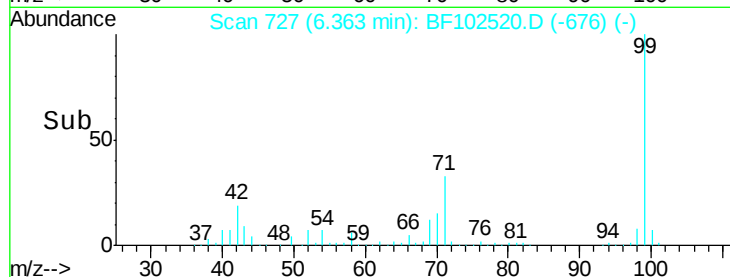
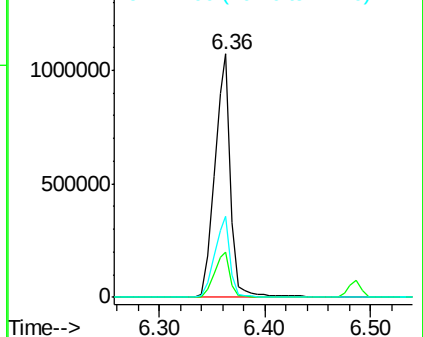
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.091 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF102520.D

Acq: 27 Jan 2018 19:48

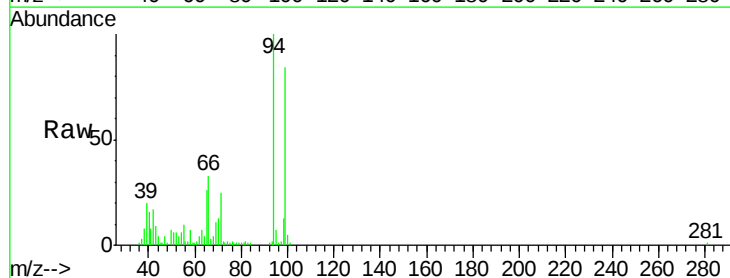
Tgt Ion: 94 Resp: 52405

Ion Ratio Lower Upper

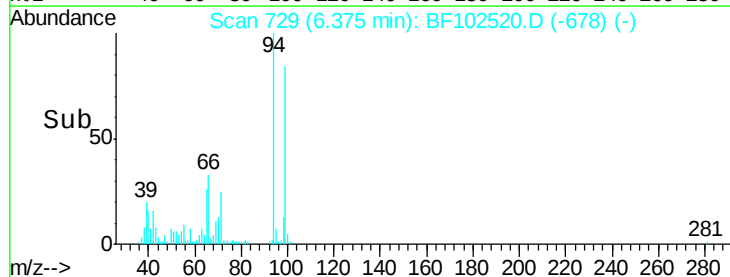
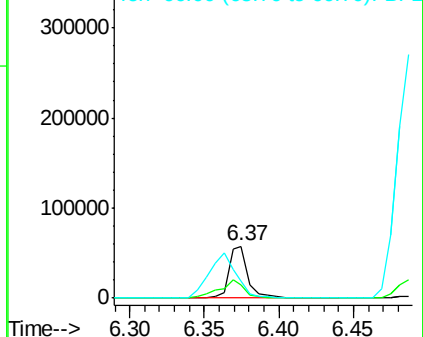
94 100

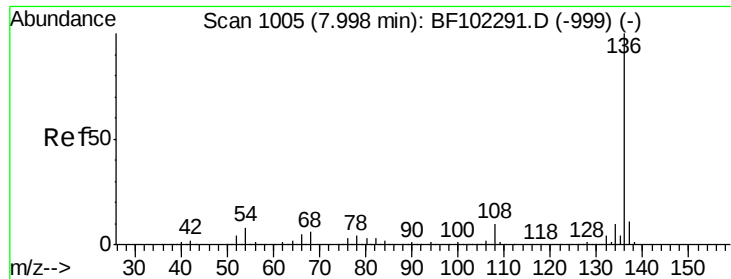
65 25.5 7.9 47.9

66 33.4 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: BF102520.D

Acq: 27 Jan 2018 19:48

Instrument :

BNA_F

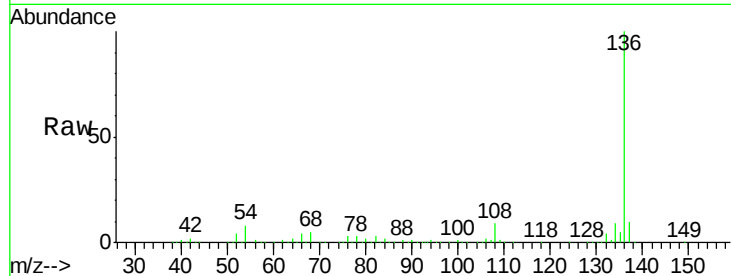
ClientSampleId :

AU-05-012518-D

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	581627		
137	10.3	8.9	13.3	
54	7.6	6.6	9.8	
68	5.3	5.0	7.4	

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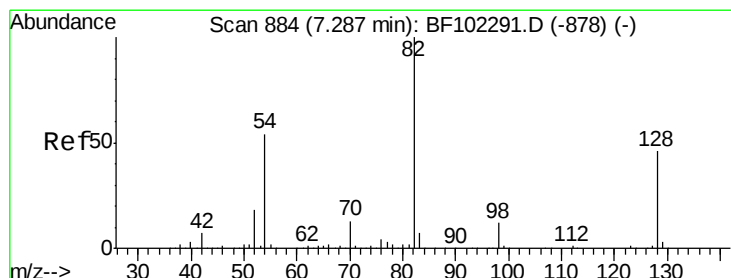
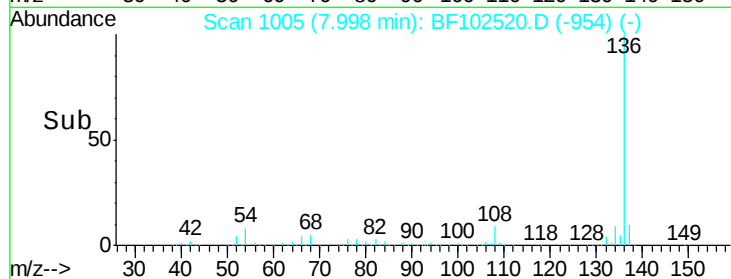
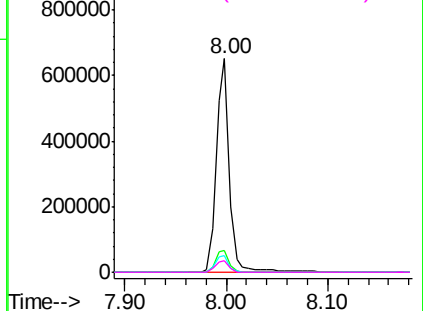


Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.062 ng

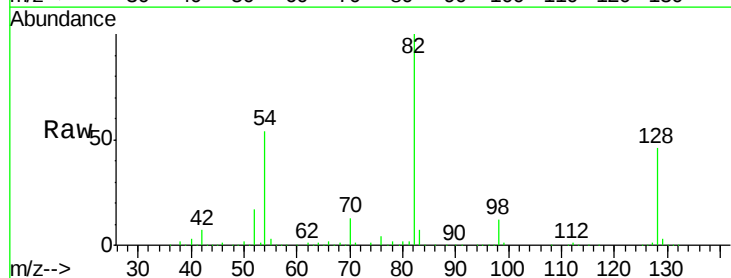
RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102520.D

Acq: 27 Jan 2018 19:48

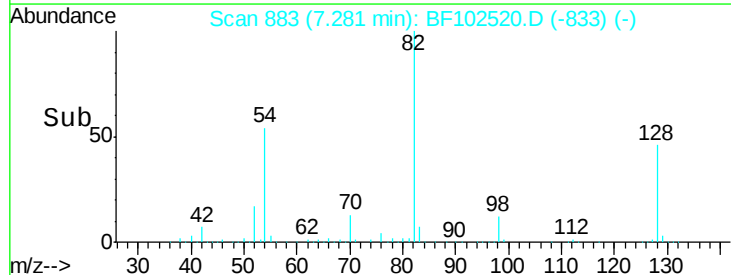
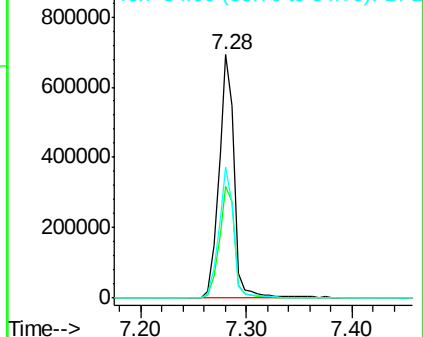
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	709101		
128	45.9	36.1	54.1	
54	54.0	41.4	62.2	

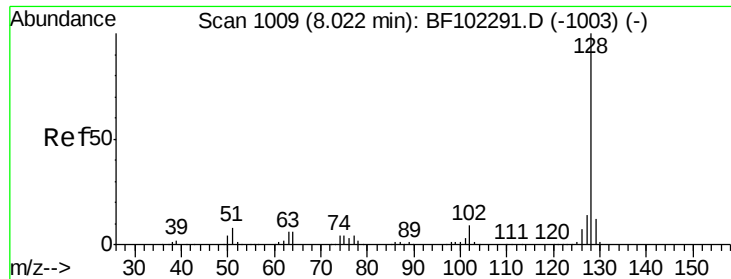


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





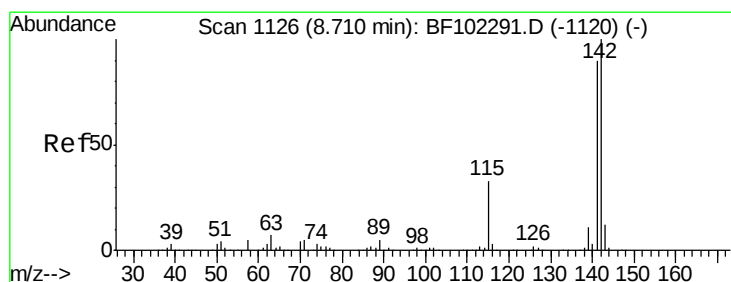
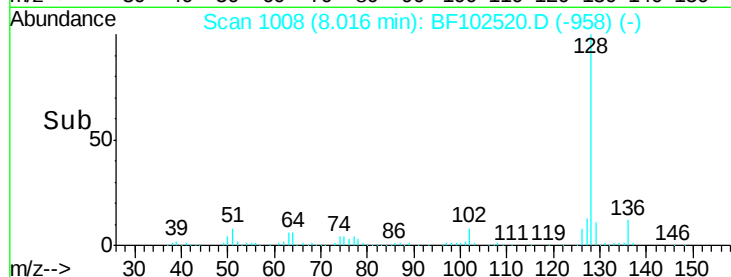
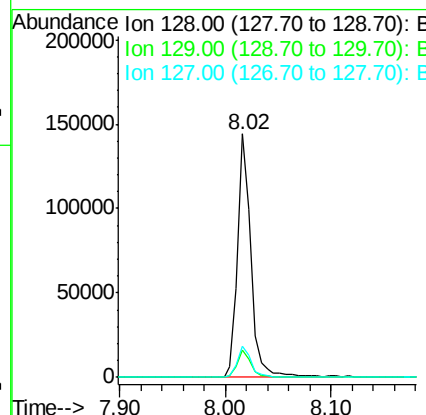
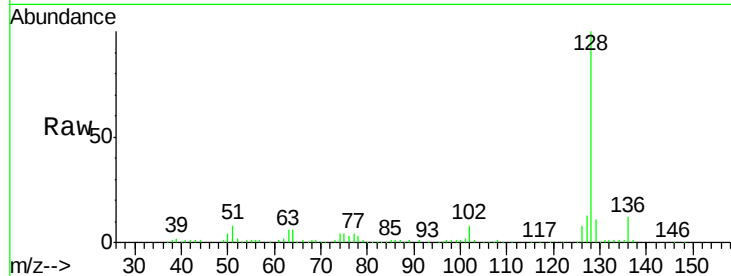
#31
Naphthalene
Concen: 4.340 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF102520.D
Acq: 27 Jan 2018 19:48

Instrument :
BNA_F
ClientSampleId :
AU-05-012518-D

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	126034		
129	11.0		8.8	13.2
127	13.0		10.9	16.3

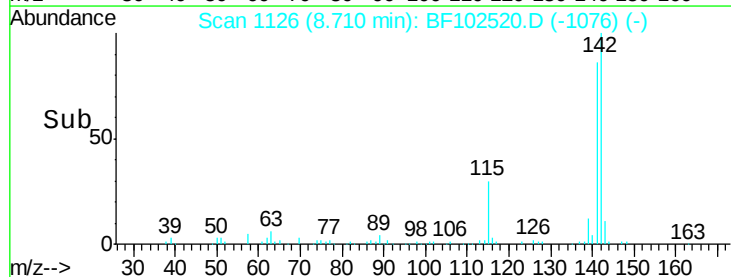
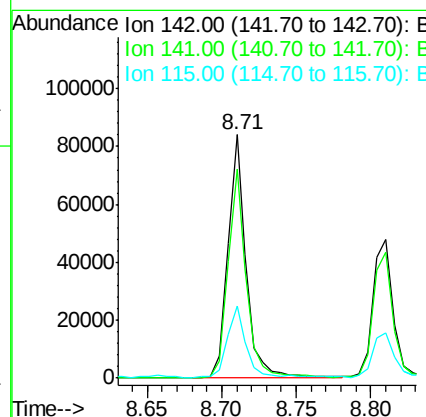
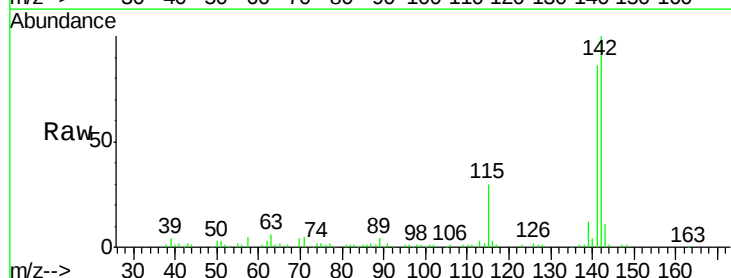
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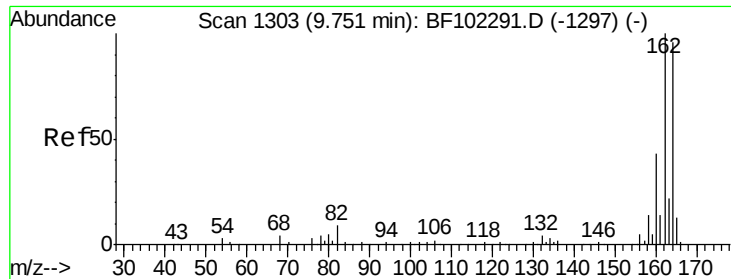
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#37
2-Methylnaphthalene
Concen: 3.767 ng
RT: 8.71 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF102520.D
Acq: 27 Jan 2018 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	72859		
141	86.0		70.8	106.2
115	29.6		26.1	39.1





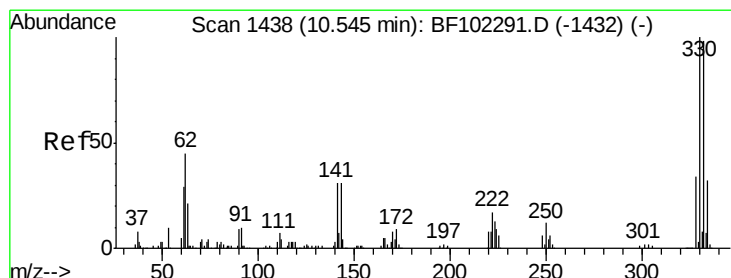
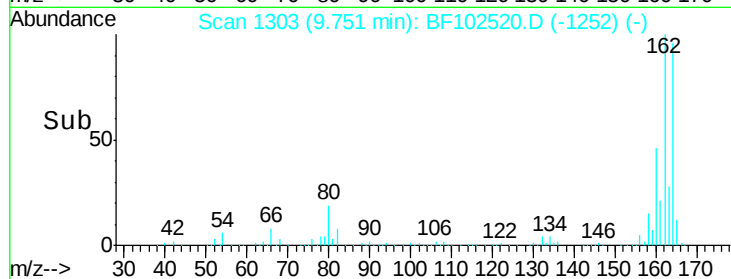
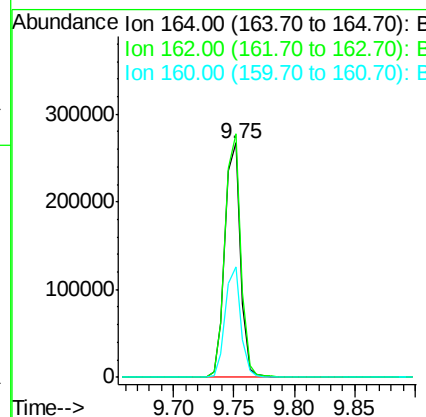
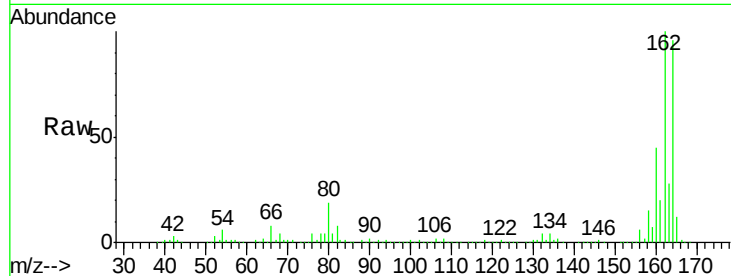
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. 0.00 min
 Lab File: BF102520.D
 Acq: 27 Jan 2018 19:48

Instrument :
 BNA_F
 ClientSampleId :
 AU-05-012518-D

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	238179		
162	103.9	86.1	129.1	
160	47.2	38.3	57.5	

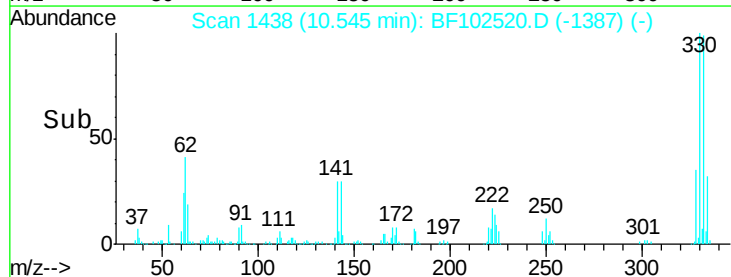
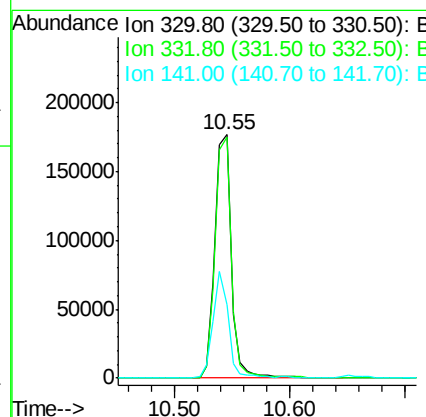
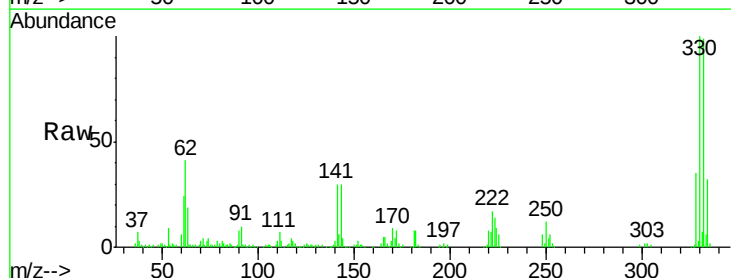
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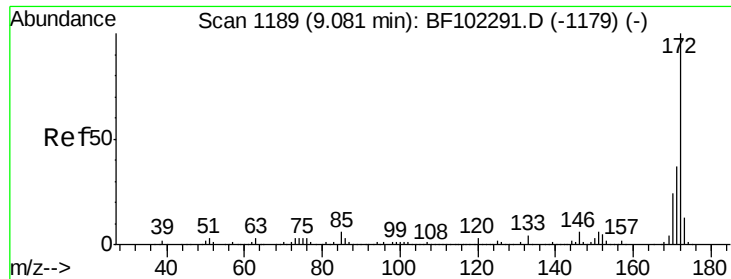
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#41
 2,4,6-Tribromophenol
 Concen: 74.824 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: BF102520.D
 Acq: 27 Jan 2018 19:48

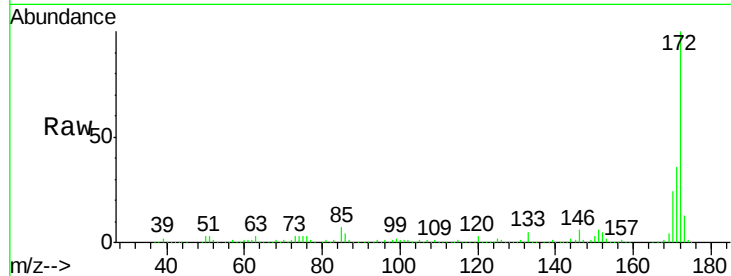
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	176585		
332	97.9	77.0	115.6	
141	40.0	29.9	44.9	





#44
2-Fluorobiphenyl
Concen: 62.821 ng
RT: 9.07 min Scan# 1188
Delta R.T. 0.00 min
Lab File: BF102520.D
Acq: 27 Jan 2018 19:48

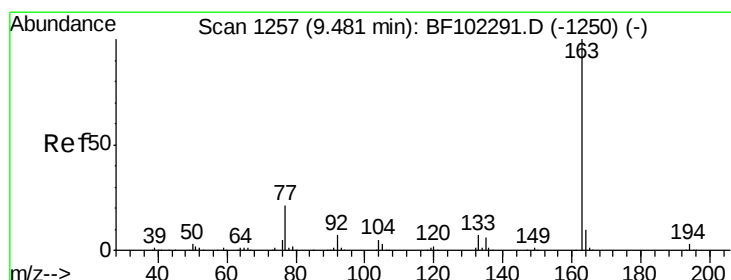
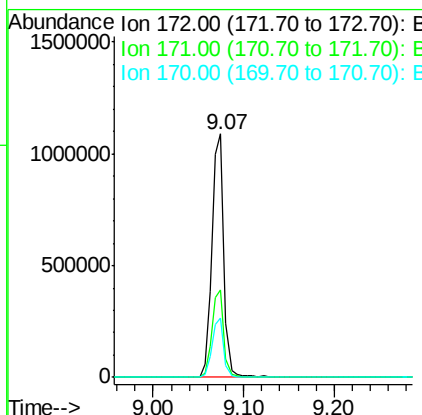
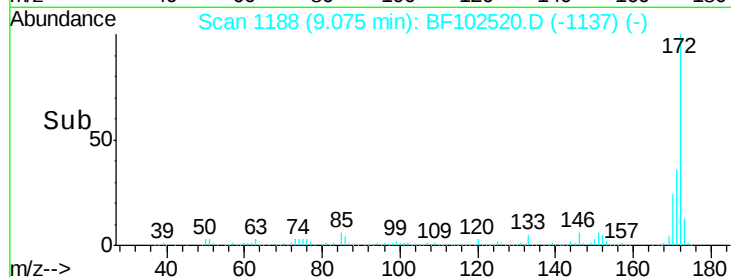
Instrument :
BNA_F
ClientSampleId :
AU-05-012518-D



Tgt Ion:172 Resp: 1017619
Ion Ratio Lower Upper
172 100
171 36.1 29.7 44.5
170 24.3 19.6 29.4

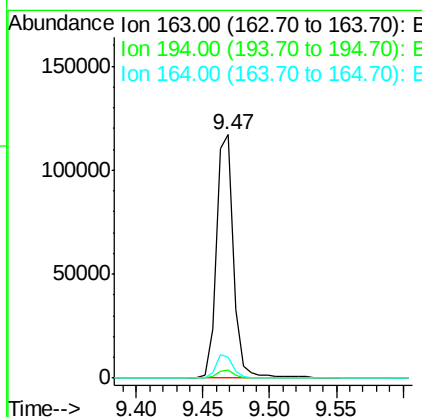
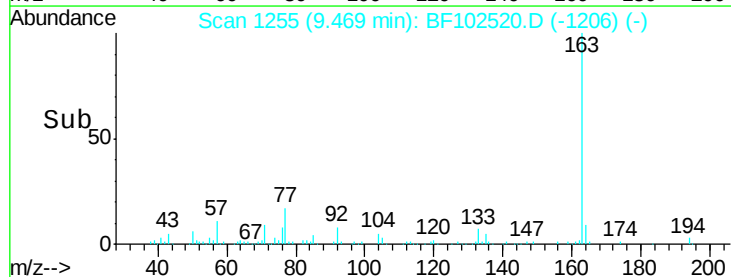
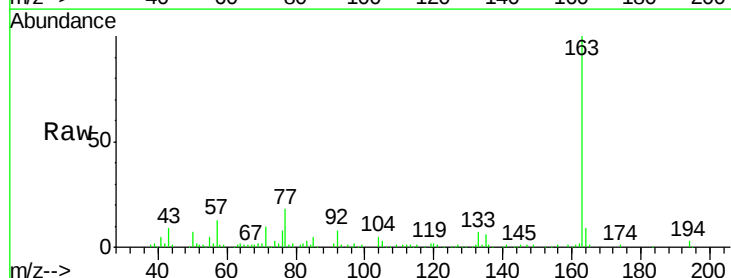
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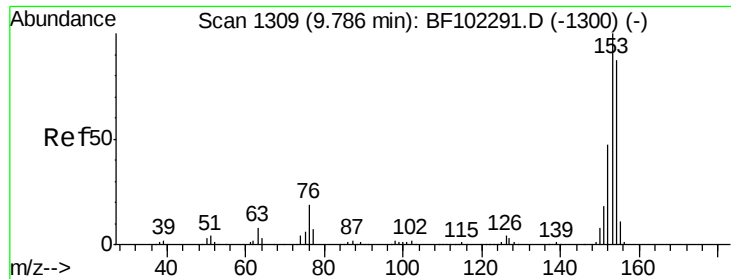
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#49
Dimethylphthalate
Concen: 5.399 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102520.D
Acq: 27 Jan 2018 19:48

Tgt Ion:163 Resp: 106281
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 8.8 8.2 12.2





#51

Acenaphthene

Concen: 2.843 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF102520.D

Acq: 27 Jan 2018 19:48

Instrument :

BNA_F

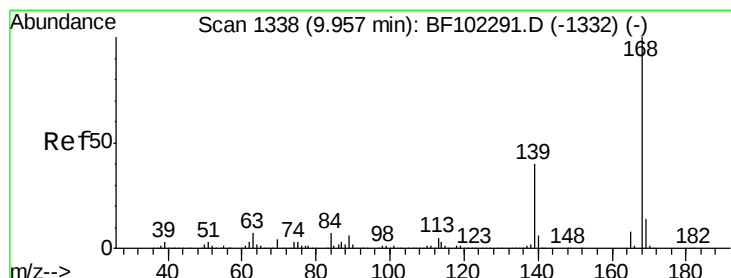
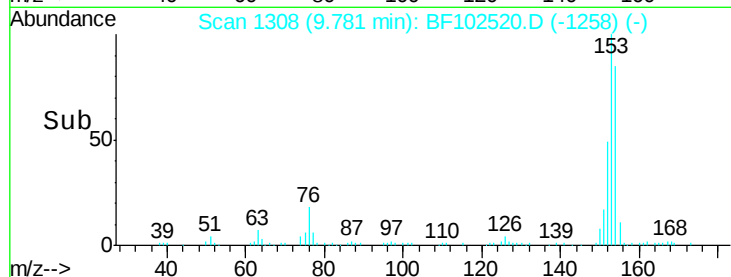
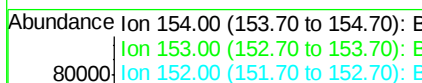
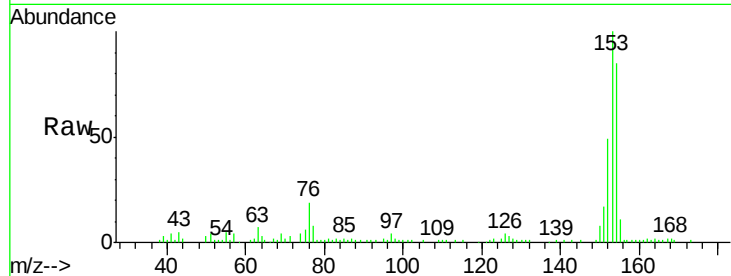
ClientSampleId :

AU-05-012518-D

Tgt Ion:	154	Resp:	42814
Ion	Ratio	Lower	Upper
154	100		
153	117.1	91.2	136.8
152	57.3	43.8	65.8

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#54

Dibenzofuran

Concen: 4.238 ng

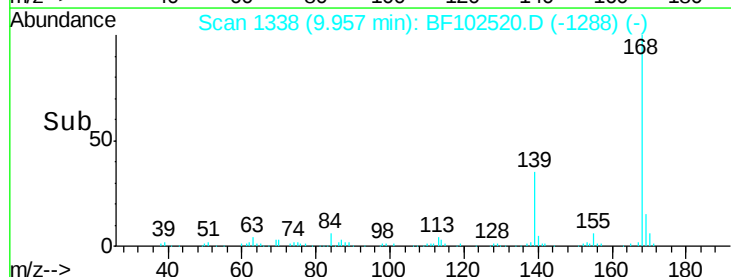
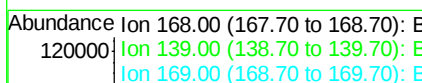
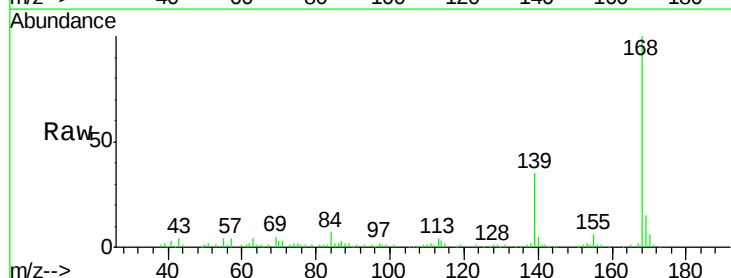
RT: 9.96 min Scan# 1338

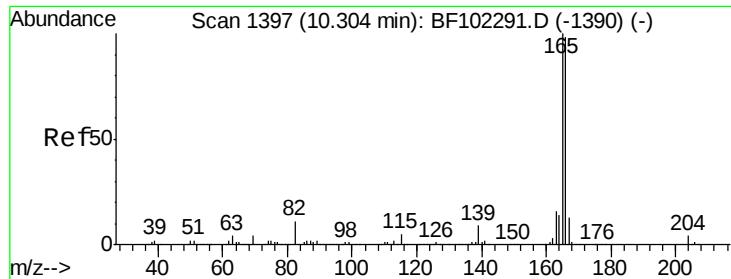
Delta R.T. -0.01 min

Lab File: BF102520.D

Acq: 27 Jan 2018 19:48

Tgt Ion:	168	Resp:	86389
Ion	Ratio	Lower	Upper
168	100		
139	35.4	30.1	45.1
169	14.9	10.9	16.3





#57

Fluorene

Concen: 5.814 ng

RT: 10.30 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF102520.D

Acq: 27 Jan 2018 19:48

Instrument :

BNA_F

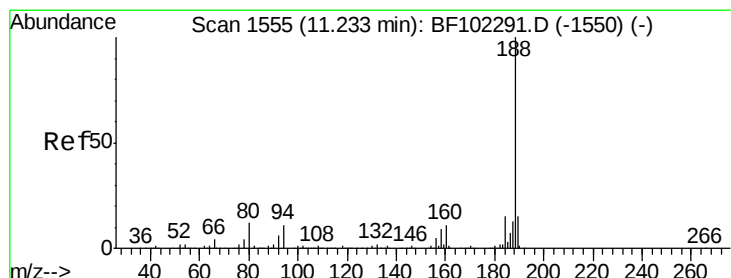
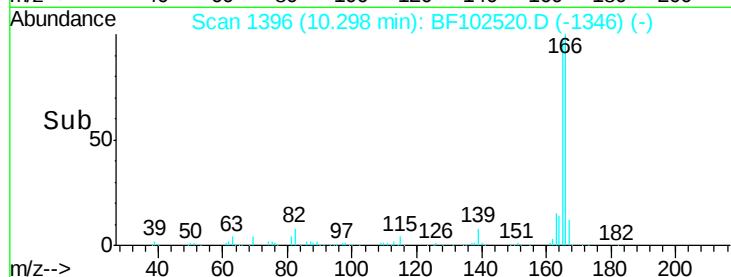
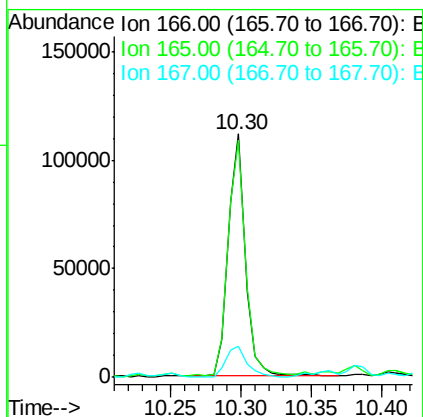
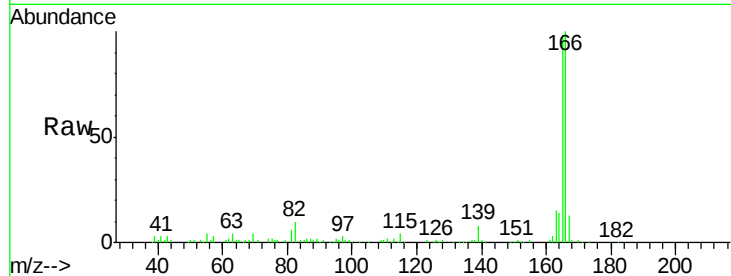
ClientSampleId :

AU-05-012518-D

Tgt Ion:	166	Resp:	93914
Ion Ratio	Lower	Upper	
166	100		
165	97.6	79.8	119.8
167	12.9	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.000 ng

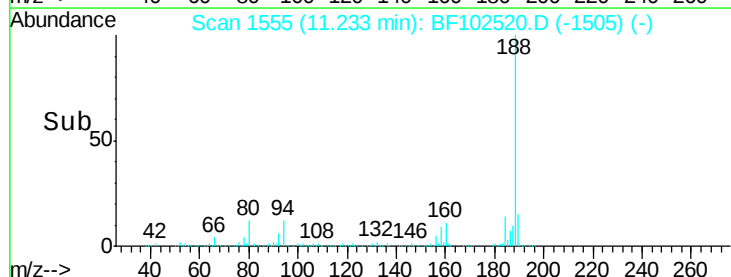
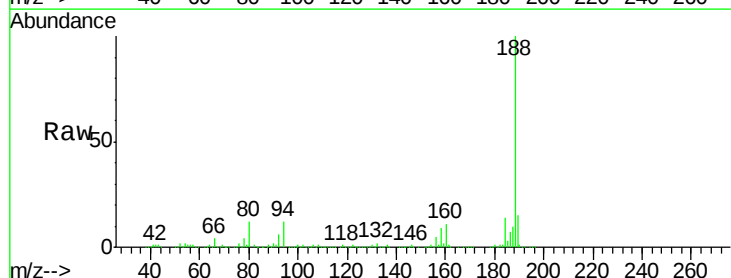
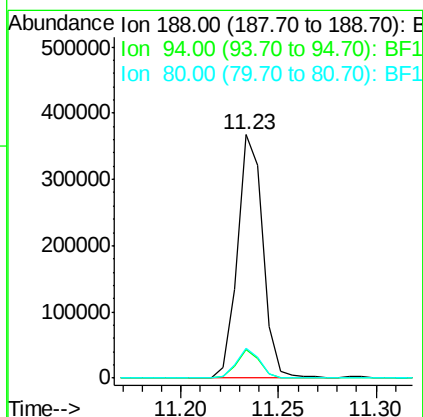
RT: 11.23 min Scan# 1555

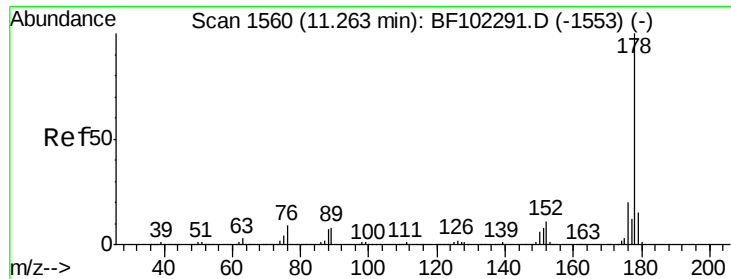
Delta R.T. -0.01 min

Lab File: BF102520.D

Acq: 27 Jan 2018 19:48

Tgt Ion:	188	Resp:	330896
Ion Ratio	Lower	Upper	
188	100		
94	12.0	8.5	12.7
80	12.1	9.2	13.8





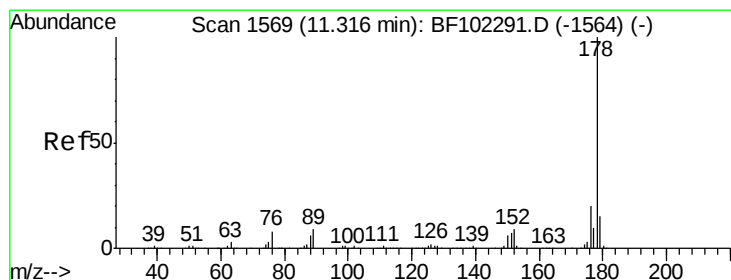
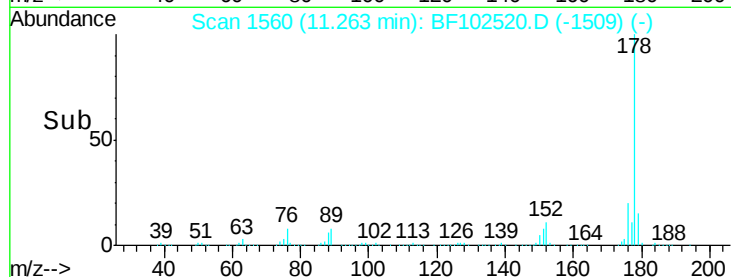
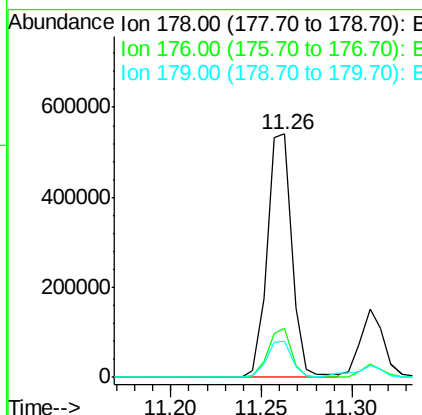
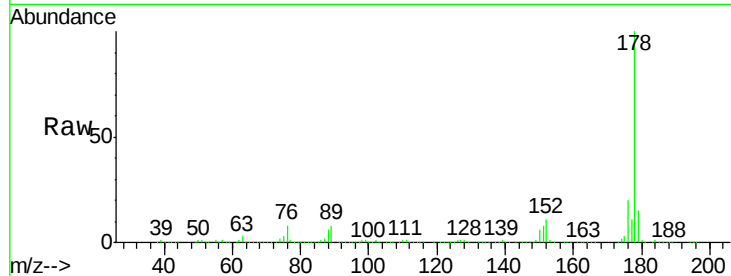
#70
Phenanthrene
Concen: 26.659 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF102520.D
Acq: 27 Jan 2018 19:48

Instrument :
BNA_F
ClientSampleId :
AU-05-012518-D

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	15.0	13.0	19.6

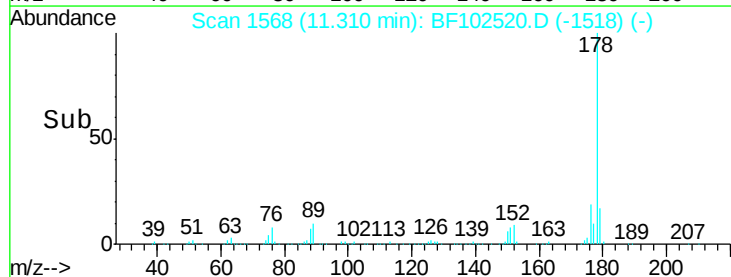
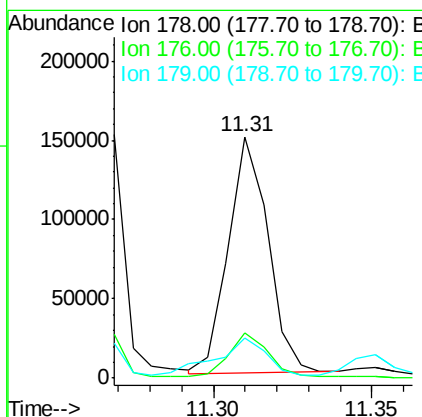
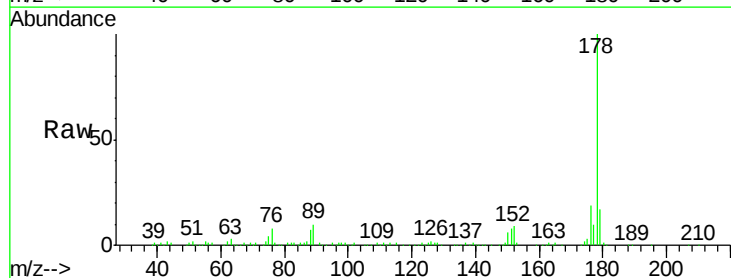
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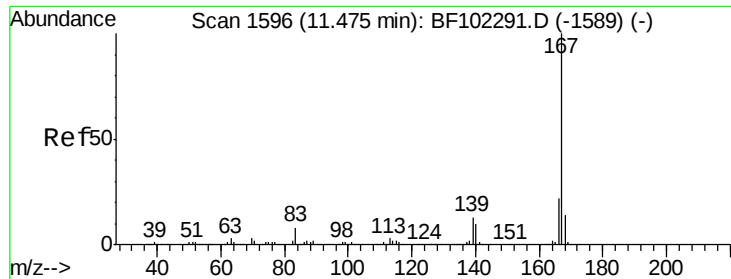
Sohil
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#71
Anthracene
Concen: 6.562 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF102520.D
Acq: 27 Jan 2018 19:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	16.5	12.6	19.0





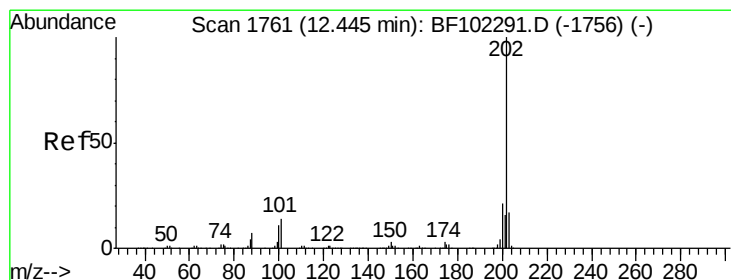
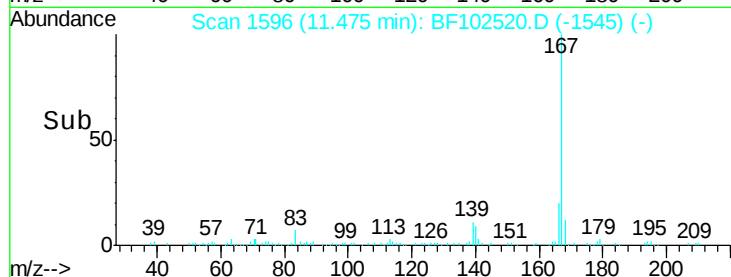
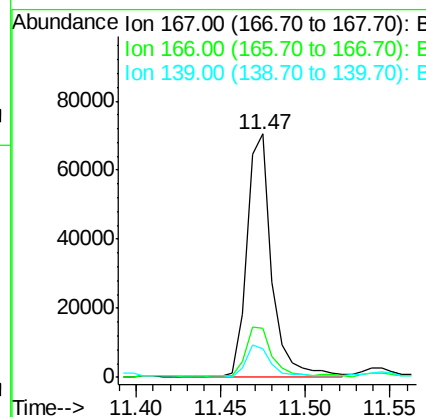
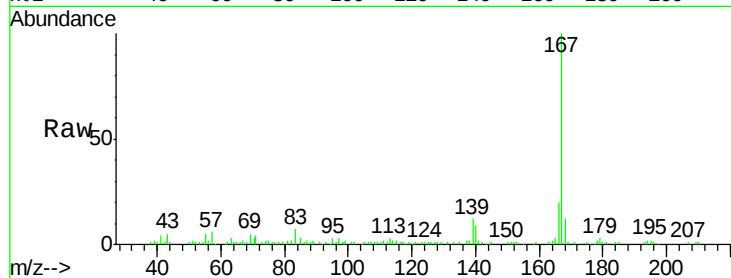
#72
 Carbazole
 Concen: 3.762 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: BF102520.D
 Acq: 27 Jan 2018 19:48

Instrument :
 BNA_F
 ClientSampleId :
 AU-05-012518-D

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.3	17.6	26.4
139	11.7	10.9	16.3

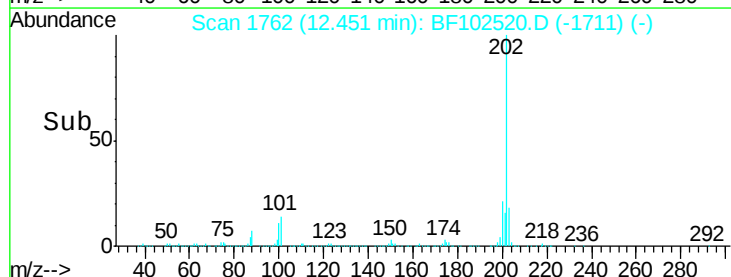
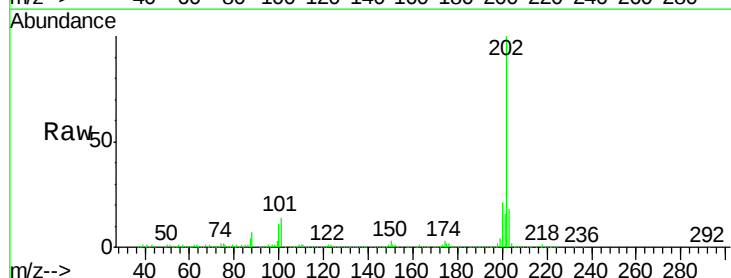
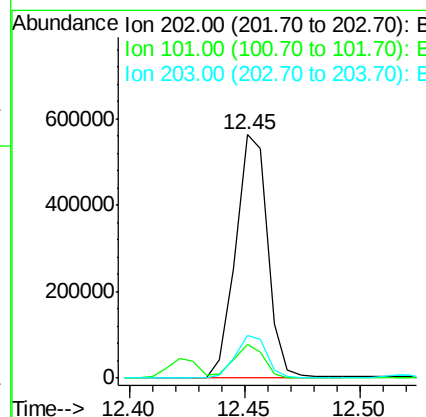
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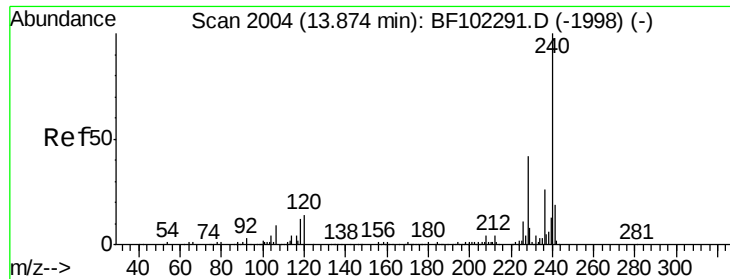
Sohil
 1/29/2018 5:44:33 PM



#74
 Fluoranthene
 Concen: 27.868 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: BF102520.D
 Acq: 27 Jan 2018 19:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	34.1
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.00 min

Lab File: BF102520.D

Acq: 27 Jan 2018 19:48

Instrument :

BNA_F

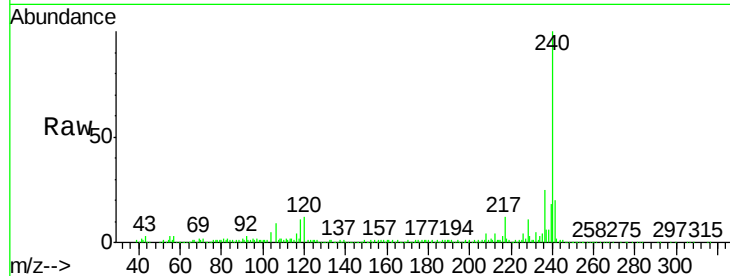
ClientSampleId :

AU-05-012518-D

Tgt	Ion	240	Resp:	263065
Ion	Ratio	Lower	Upper	
240	100			
120	12.1	9.5	14.3	
236	25.2	20.7	31.1	

Manual Integrations
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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

13.88

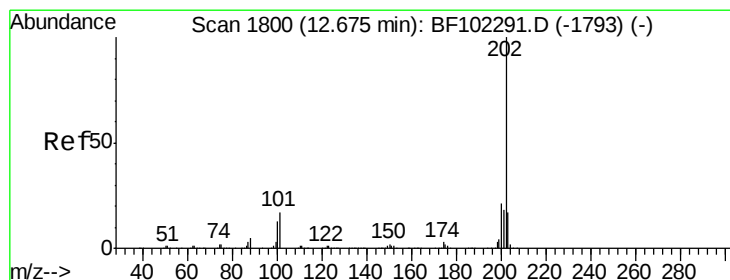
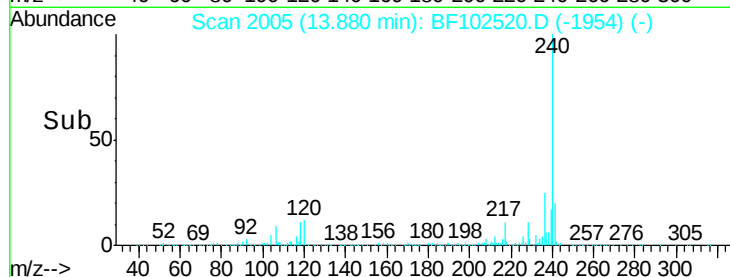
300000

200000

100000

0

Time--> 13.80 13.90



#77

Pyrene

Concen: 22.016 ng

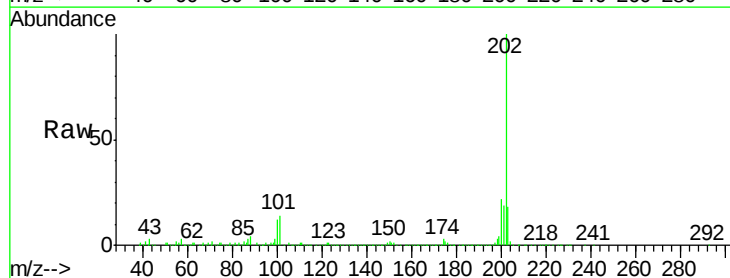
RT: 12.69 min Scan# 1802

Delta R.T. 0.01 min

Lab File: BF102520.D

Acq: 27 Jan 2018 19:48

Tgt	Ion	202	Resp:	447789
Ion	Ratio	Lower	Upper	
202	100			
200	21.7	17.4	26.2	
203	18.0	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

12.69

500000

400000

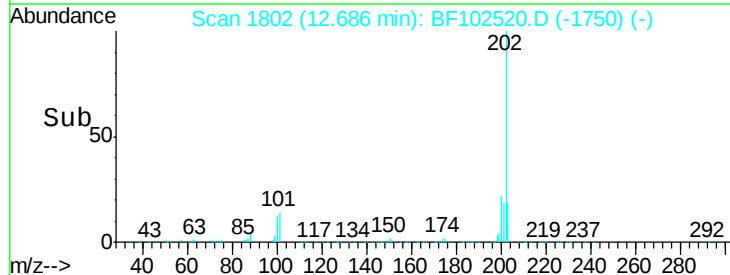
300000

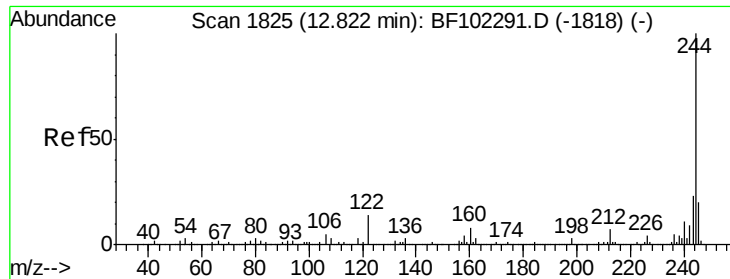
200000

100000

0

Time--> 12.65 12.70 12.75





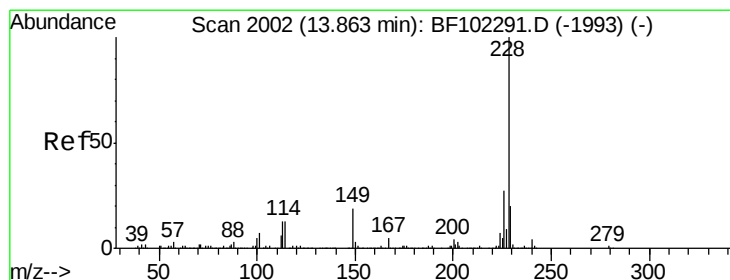
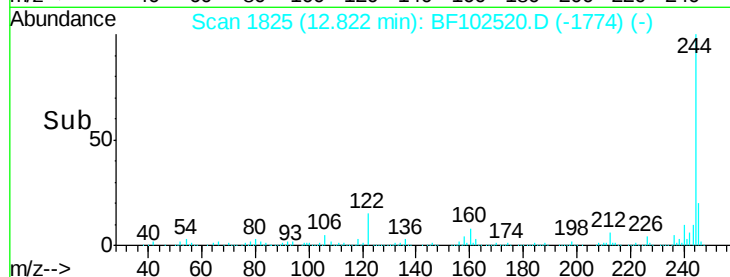
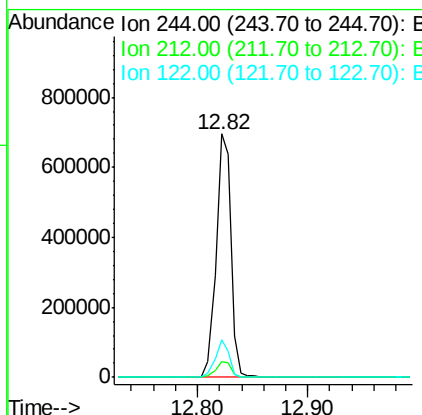
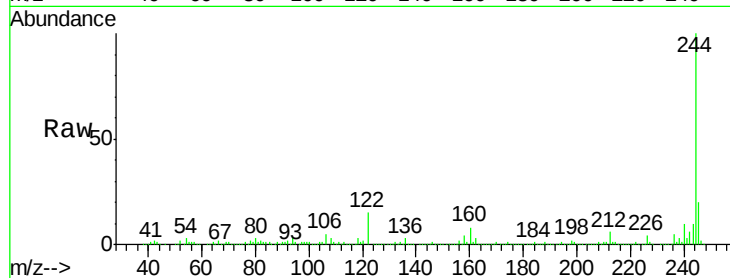
#78
 Terphenyl-d14
 Concen: 55.196 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. 0.00 min
 Lab File: BF102520.D
 Acq: 27 Jan 2018 19:48

Instrument :
 BNA_F
 ClientSampleId :
 AU-05-012518-D

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	15.5	11.0	16.4

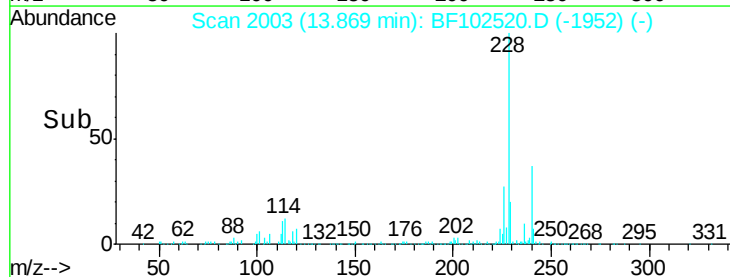
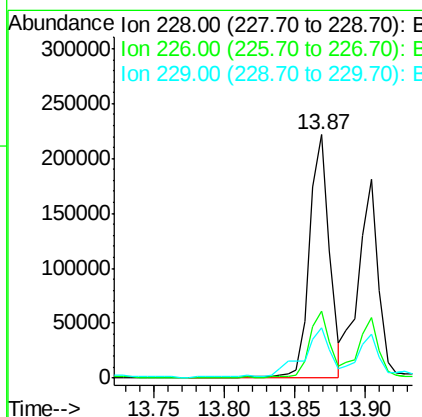
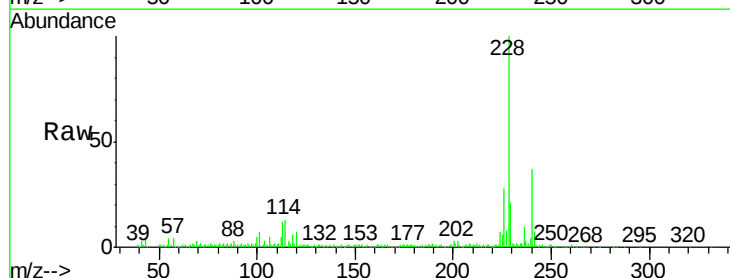
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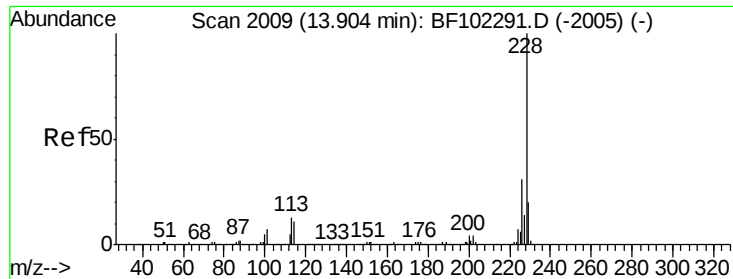
Sohil
 1/29/2018 5:44:33 PM



#80
 Benzo(a)anthracene
 Concen: 13.311 ng
 RT: 13.87 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: BF102520.D
 Acq: 27 Jan 2018 19:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	20.6	15.8	23.6





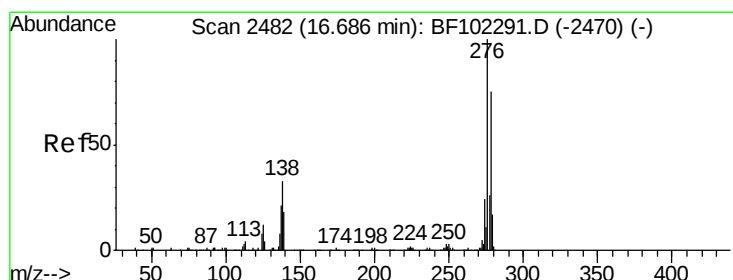
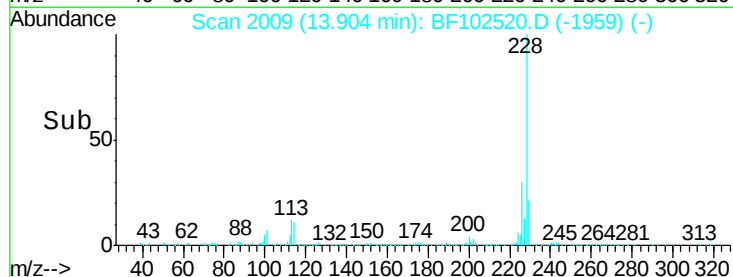
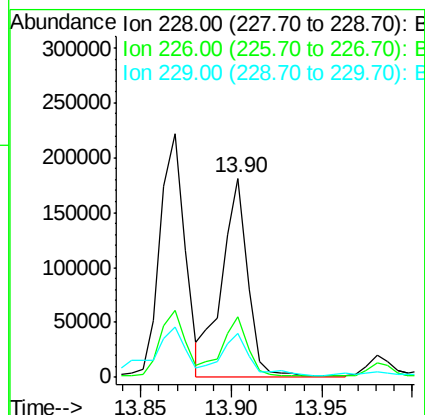
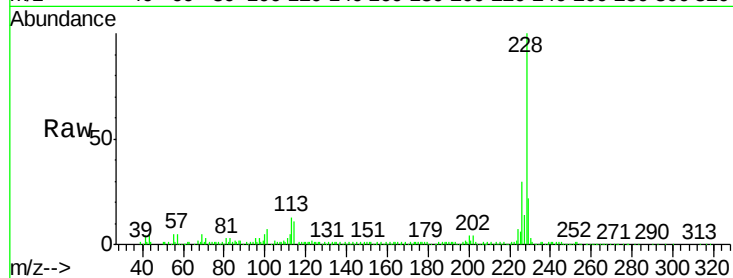
#82
Chrysene
Concen: 11.262 ng m
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF102520.D
Acq: 27 Jan 2018 19:48

Instrument :
BNA_F
ClientSampleId :
AU-05-012518-D

Tgt Ion:	228	Resp:	185222
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.0	37.6
229	21.7	16.2	24.4

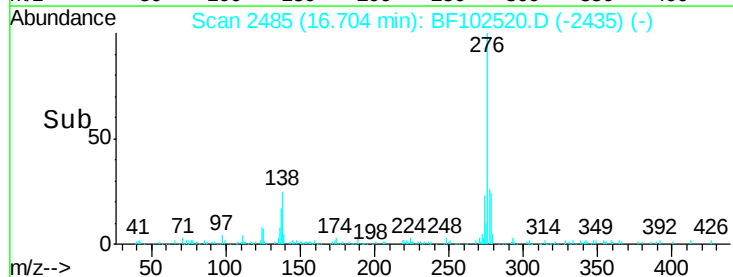
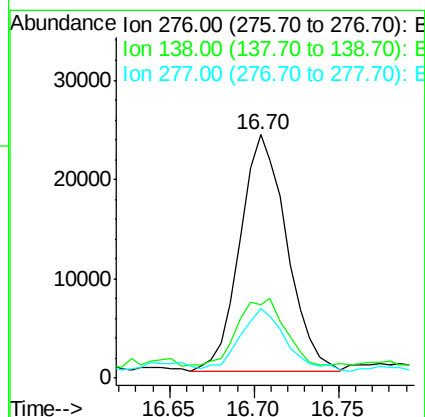
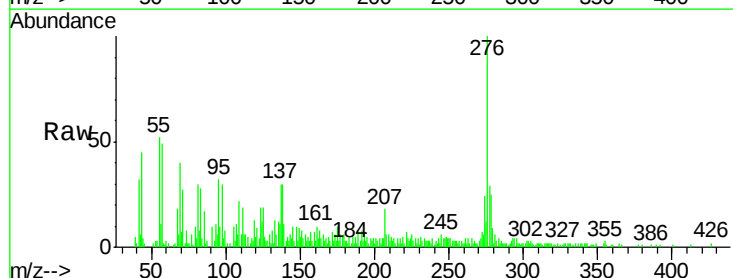
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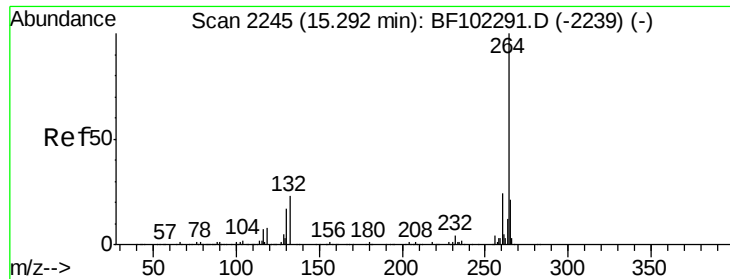
Sohil
1/29/2018 5:44:33 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.391 ng
RT: 16.70 min Scan# 2485
Delta R.T. -0.01 min
Lab File: BF102520.D
Acq: 27 Jan 2018 19:48

Tgt Ion:	276	Resp:	46055
Ion Ratio	Lower	Upper	
276	100		
138	31.2	25.0	37.6
277	25.8	20.1	30.1





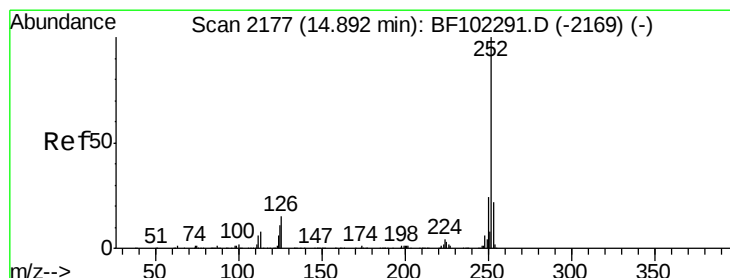
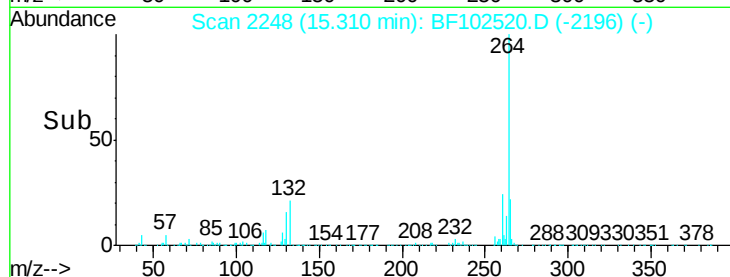
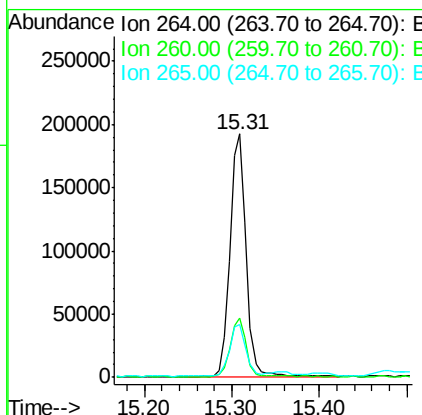
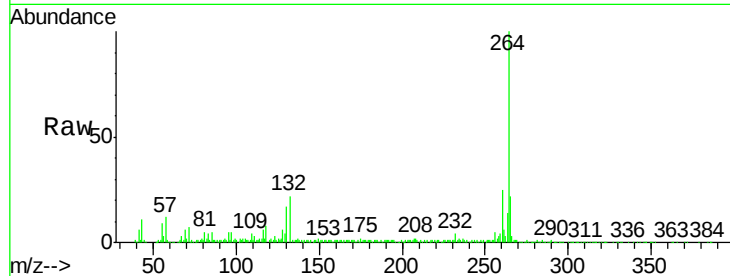
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.01 min
Lab File: BF102520.D
Acq: 27 Jan 2018 19:48

Instrument :
BNA_F
ClientSampleId :
AU-05-012518-D

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.6	19.2	28.8
265	21.9	17.5	26.3

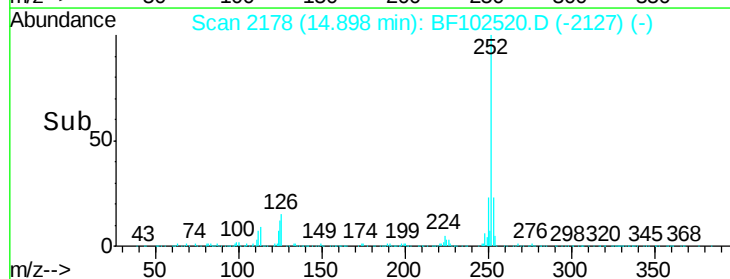
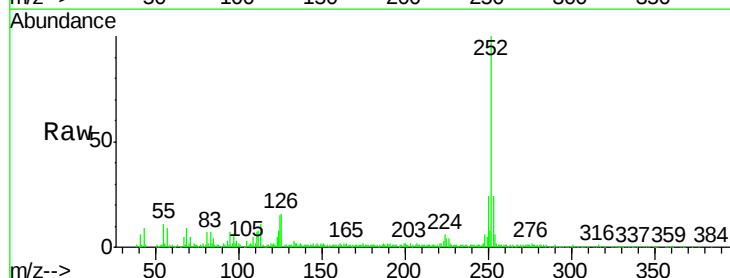
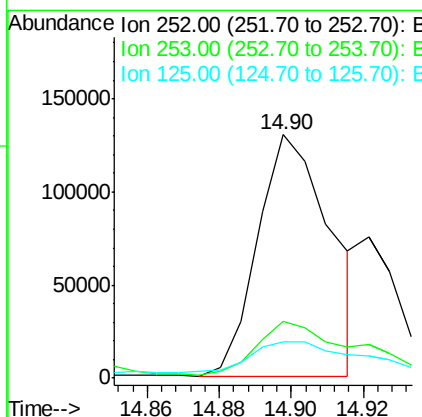
Manual Integrations
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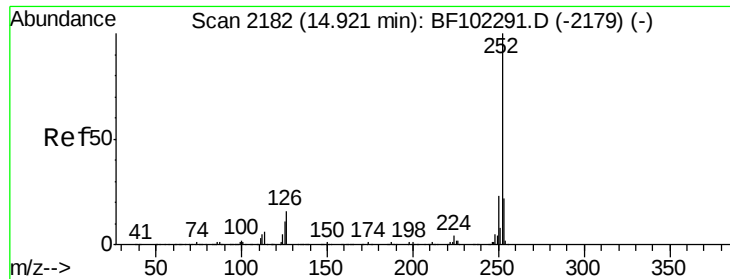
Sohil
1/29/2018 5:44:33 PM



#87
Benzo(b)fluoranthene
Concen: 11.643 ng m
RT: 14.90 min Scan# 2178
Delta R.T. 0.00 min
Lab File: BF102520.D
Acq: 27 Jan 2018 19:48

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.5	17.0	25.6
125	14.8	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 3.959 ng m

RT: 14.92 min Scan# 2182

Delta R.T. -0.01 min

Lab File: BF102520.D

Acq: 27 Jan 2018 19:48

Instrument :

BNA_F

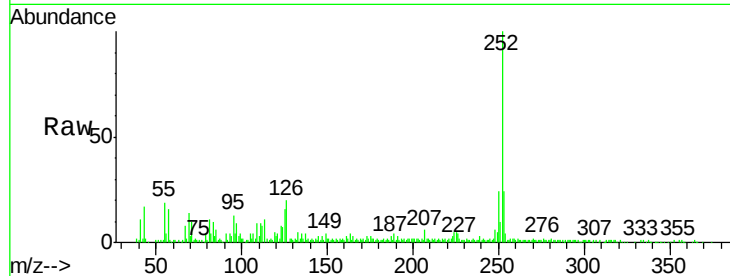
ClientSampleId :

AU-05-012518-D

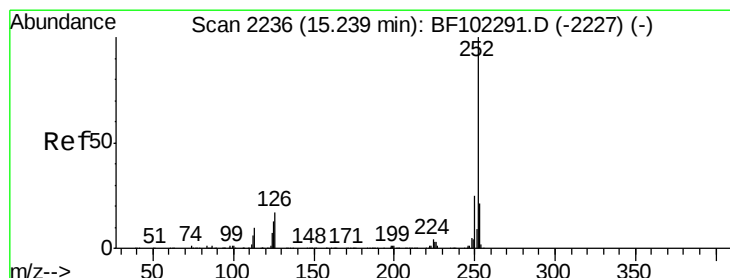
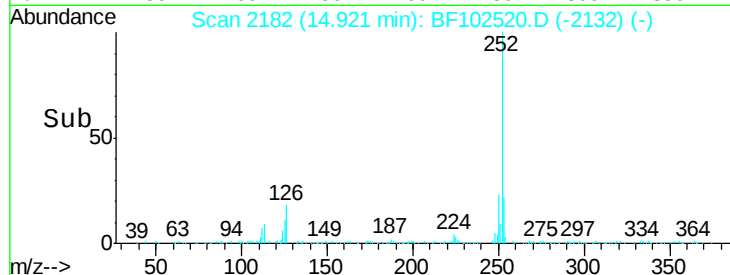
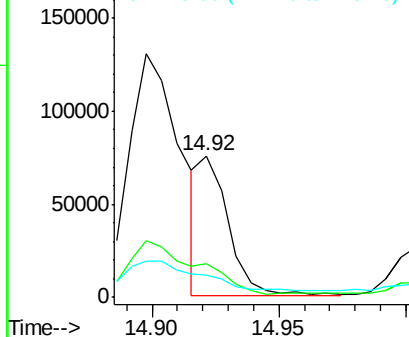
Tgt Ion:	252	Resp:	58794
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.9	26.9
125	15.8	10.2	15.2#

Manual Integrations
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1/29/2018 5:44:33 PM



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: 8.775 ng

RT: 15.24 min Scan# 2237

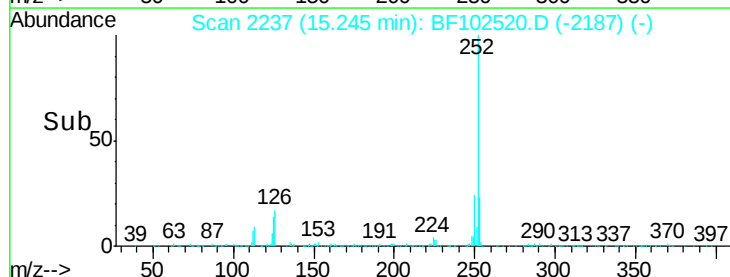
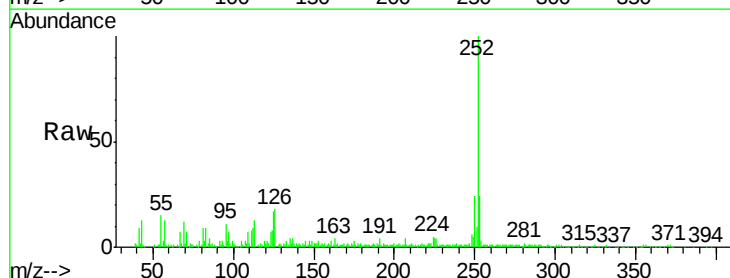
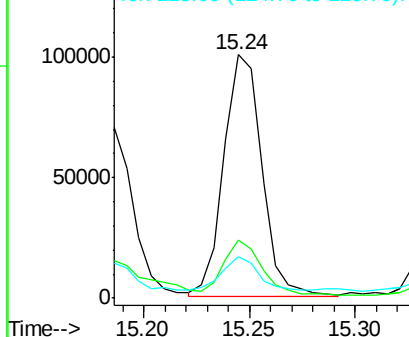
Delta R.T. -0.01 min

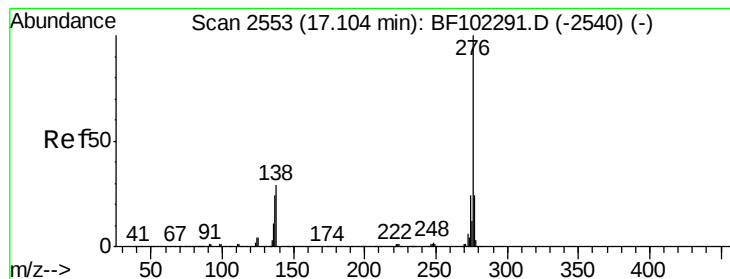
Lab File: BF102520.D

Acq: 27 Jan 2018 19:48

Tgt Ion:	252	Resp:	124410
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.1	25.7
125	17.2	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(g,h,i)perylene

Concen: 3.518 ng

RT: 17.13 min Scan# 2557

Delta R.T. -0.01 min

Lab File: BF102520.D

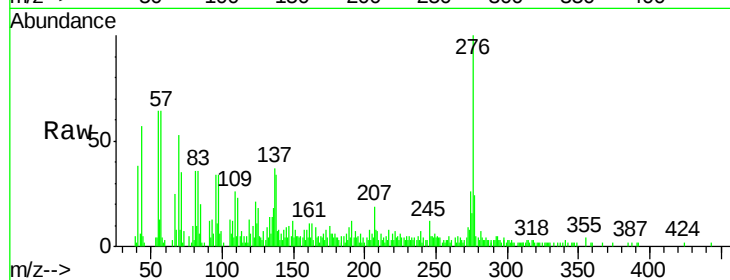
Acq: 27 Jan 2018 19:48

Instrument :

BNA_F

ClientSampleId :

AU-05-012518-D



Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.9	26.9
138	34.0	21.8	32.8

Manual Integrations
APPROVED

Sohil
1/29/2018 5:44:33 PM

