

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012718\
 Data File : BF102514.D
 Acq On : 27 Jan 2018 17:05
 Operator : SJ/JU
 Sample : J1023-05 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-012518

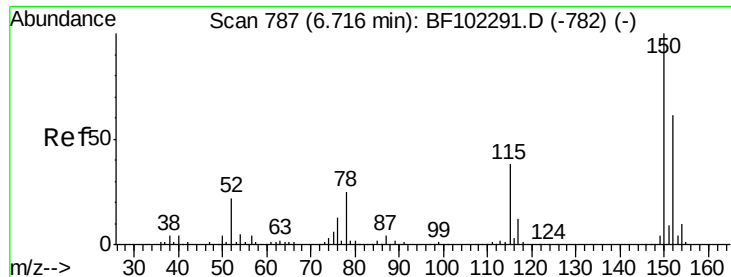
Manual Integrations
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Quant Time: Jan 27 21:43:45 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	151229	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	603065	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	248282	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	361785	20.00	ng	0.00
75) Chrysene-d12	13.87	240	270673	20.00	ng	0.00
86) Perylene-d12	15.30	264	272290	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	531952	53.33	ng	0.00
7) Phenol-d6	6.35	99	627569	52.19	ng	-0.01
23) Nitrobenzene-d5	7.27	82	381177	36.32	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	101425	41.23	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	618781	36.64	ng	0.00
78) Terphenyl-d14	12.82	244	393249	32.75	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.36	94	26498	2.019	ng	77
49) Dimethylphthalate	9.46	163	81760	3.984	ng	99
70) Phenanthrene	11.26	178	224864	10.666	ng	99
71) Anthracene	11.31	178	43811	2.036	ng	95
74) Fluoranthene	12.45	202	201668	9.381	ng	99
77) Pyrene	12.68	202	279842	13.372	ng	98
80) Benzo(a)anthracene	13.86	228	123330	7.401	ng	92
82) Chrysene	13.90	228	121872	7.202	ng	97
85) Indeno(1,2,3-cd)pyrene	16.70	276	43040	3.080	ng	98
87) Benzo(b)fluoranthene	14.90	252	106570m	6.038	ng	
88) Benzo(k)fluoranthene	14.92	252	41950m	2.516	ng	
89) Benzo(a)pyrene	15.24	252	97991	6.156	ng	# 91
91) Benzo(g,h,i)perylene	17.13	276	51516	4.047	ng	91

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



#1

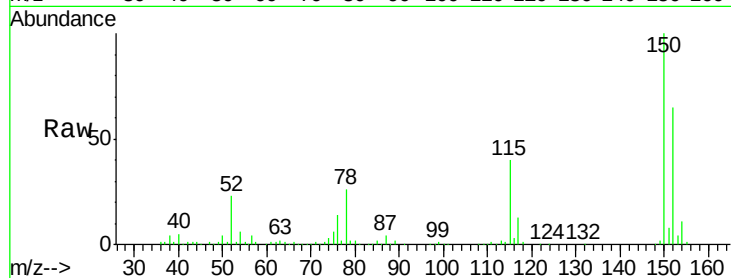
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102514.D
Acq: 27 Jan 2018 17:05

Instrument :
BNA_F
ClientSampleId :
TR-05-012518

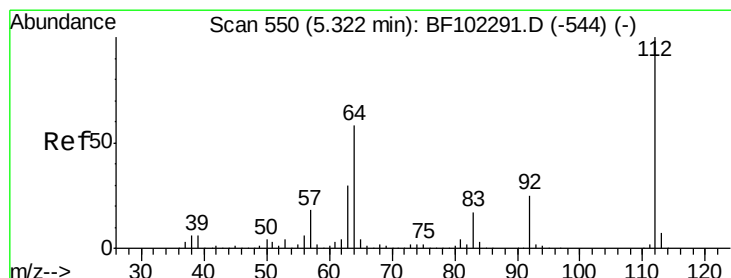
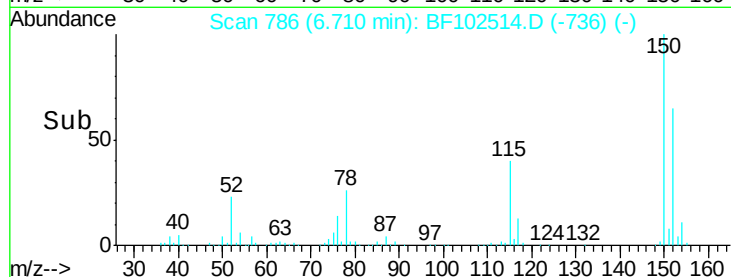
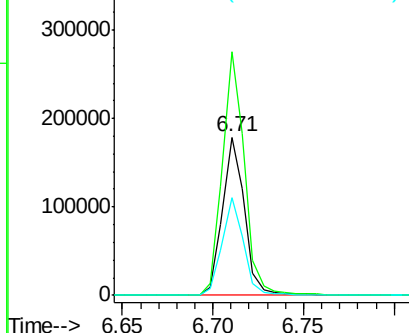
Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.6	186.8
115	61.9	50.1	75.1

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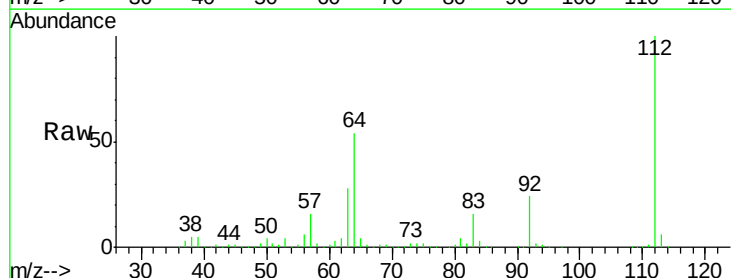
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



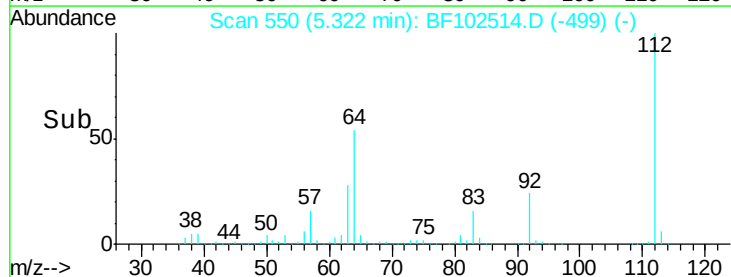
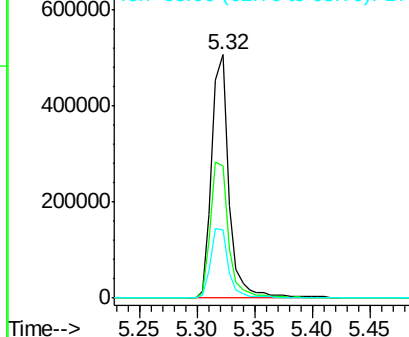
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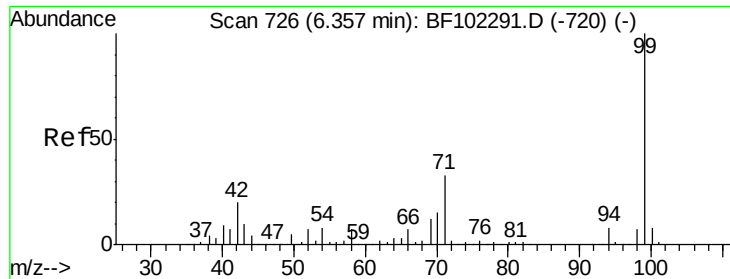
2-Fluorophenol
Concen: 53.335 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.00 min
Lab File: BF102514.D
Acq: 27 Jan 2018 17:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	47.9	71.9
63	27.9	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 52.192 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF102514.D

Acq: 27 Jan 2018 17:05

Instrument :

BNA_F

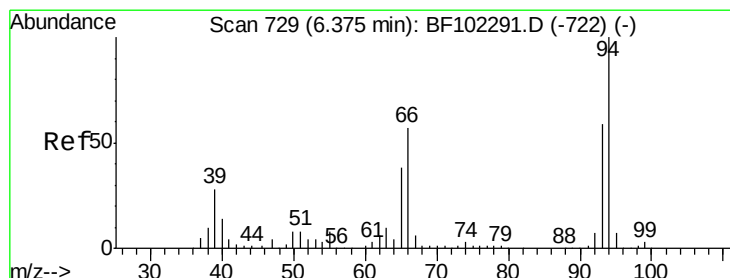
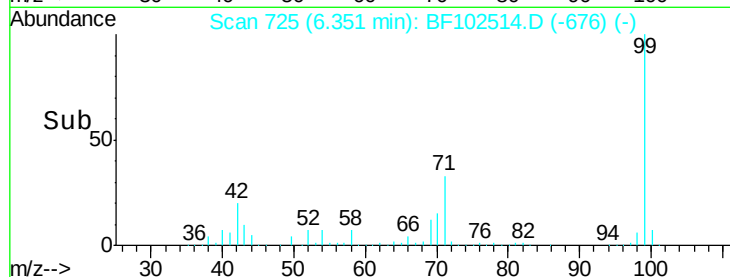
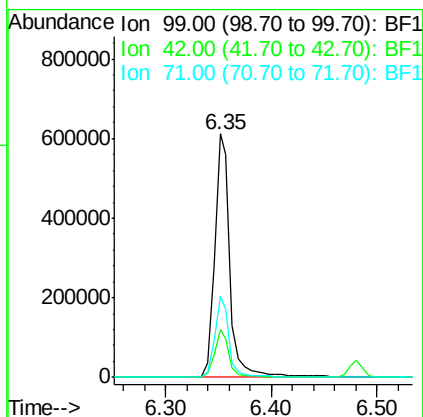
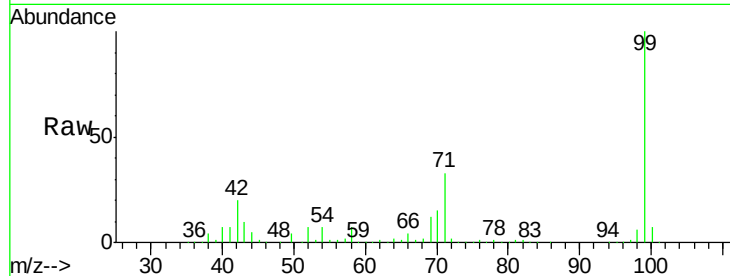
ClientSampleId :

TR-05-012518

Tgt Ion:	99	Resp:	627569
Ion	Ratio	Lower	Upper
99	100		
42	19.7	14.5	21.7
71	33.1	25.4	38.0

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#10

Phenol

Concen: 2.019 ng

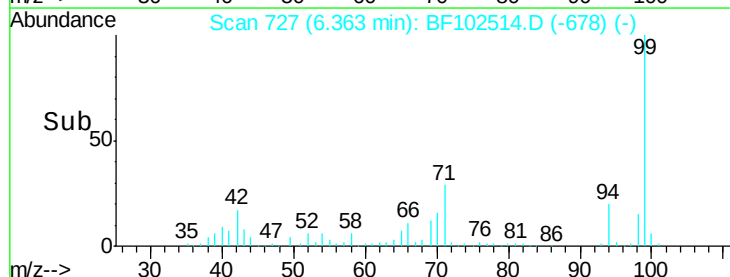
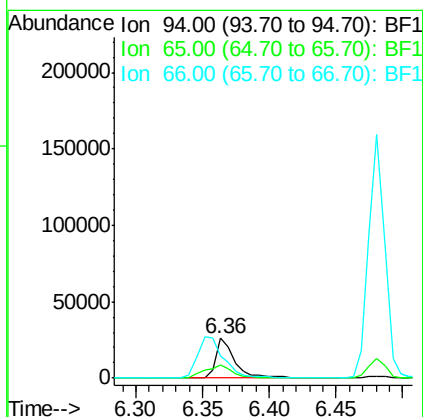
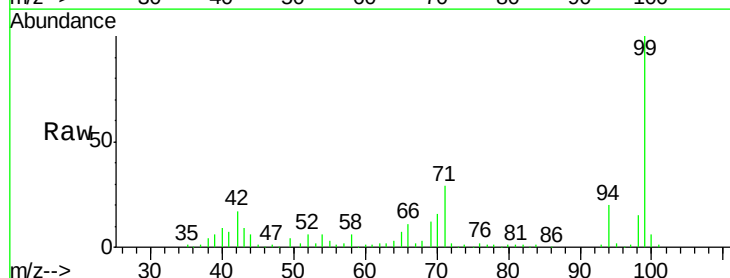
RT: 6.36 min Scan# 727

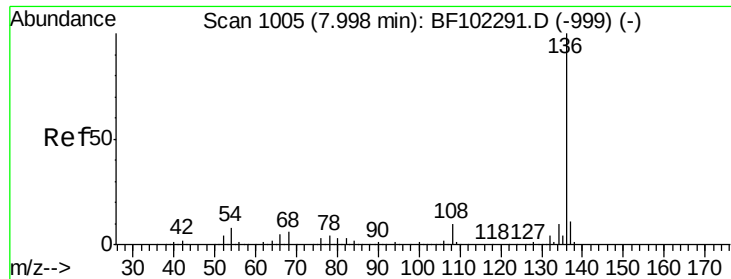
Delta R.T. -0.01 min

Lab File: BF102514.D

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Tgt Ion:	94	Resp:	26498
Ion	Ratio	Lower	Upper
94	100		
65	33.3	7.9	47.9
66	55.1	16.2	56.2





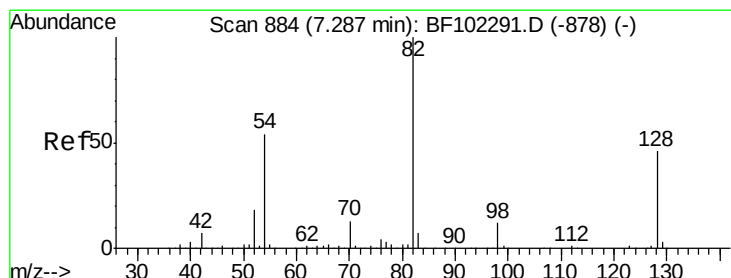
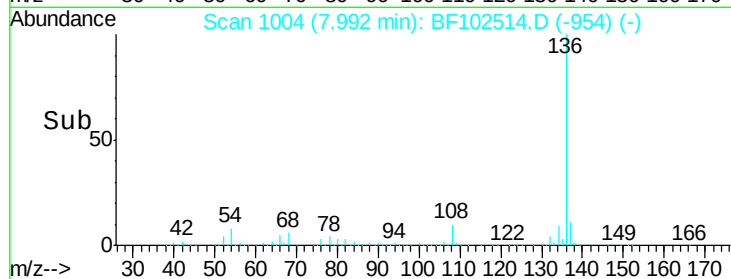
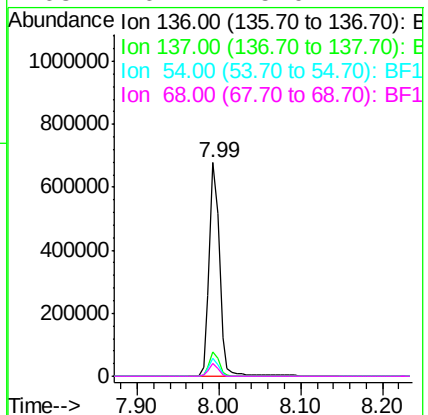
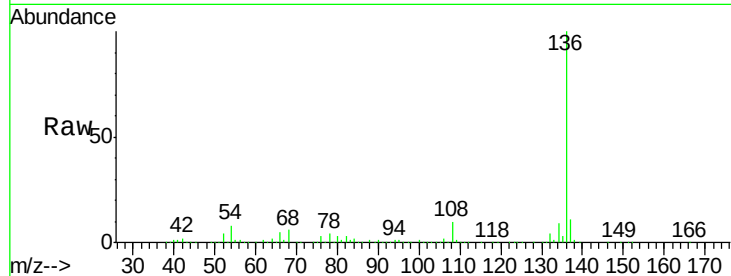
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF102514.D
Acq: 27 Jan 2018 17:05

Instrument :
BNA_F
ClientSampleId :
TR-05-012518

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	603065		
137	11.4	8.9	13.3	
54	8.5	6.6	9.8	
68	6.2	5.0	7.4	

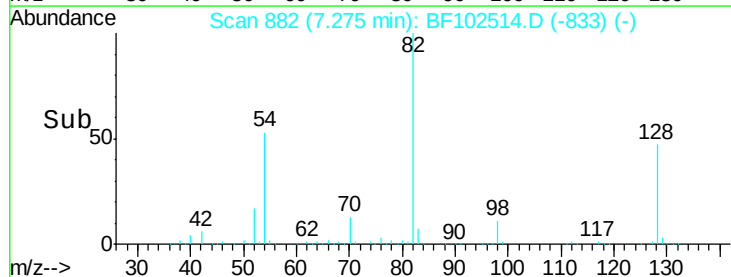
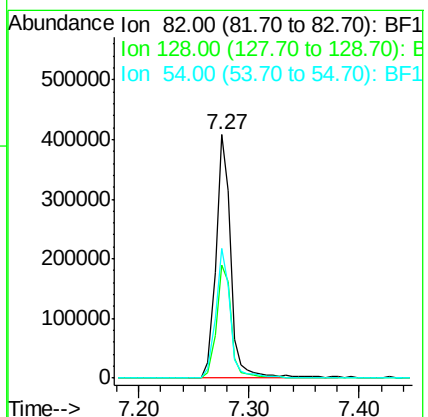
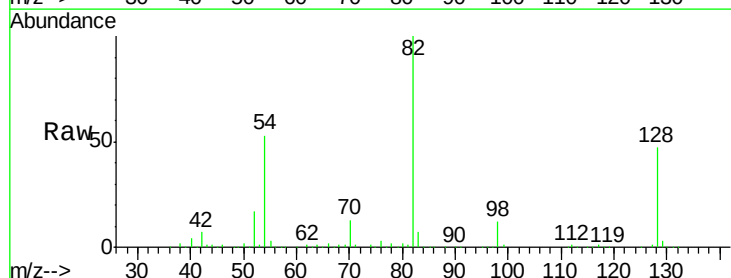
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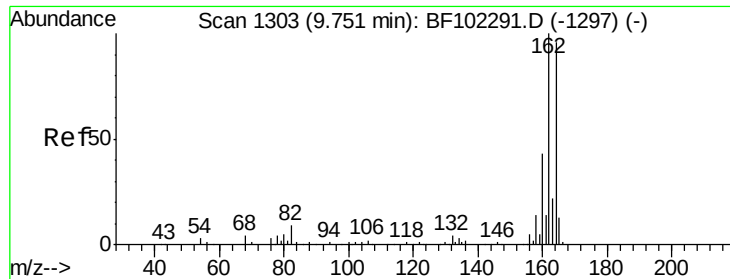
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#23
Nitrobenzene-d5
Concen: 36.323 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF102514.D
Acq: 27 Jan 2018 17:05

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	381177		
128	46.7	36.1	54.1	
54	53.4	41.4	62.2	





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF102514.D

Acq: 27 Jan 2018 17:05

Instrument :

BNA_F

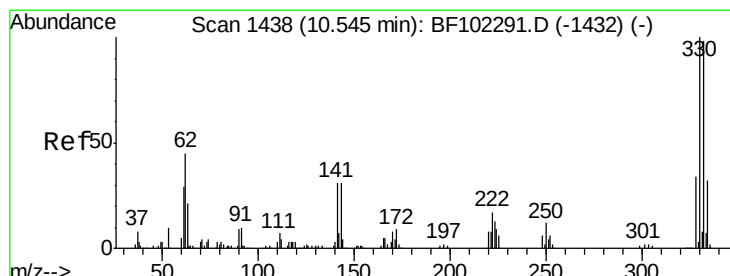
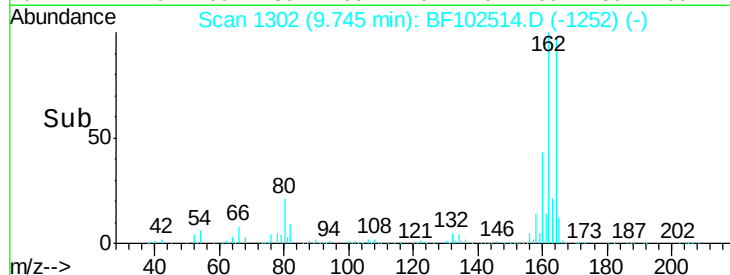
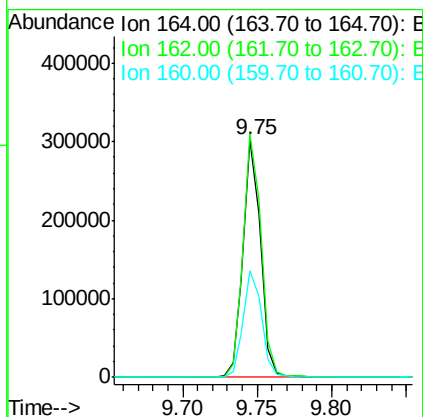
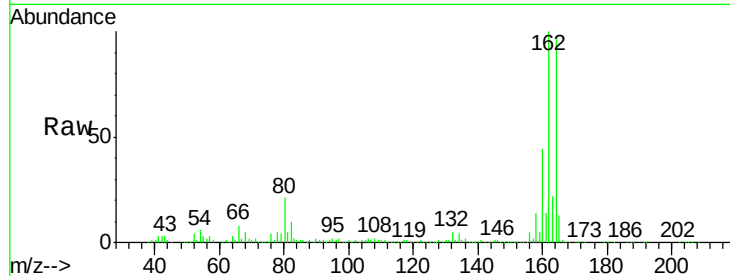
ClientSampleId :

TR-05-012518

Tgt Ion:	164	Resp:	248282
Ion Ratio	Lower	Upper	
164	100		
162	102.6	86.1	129.1
160	44.7	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 41.228 ng

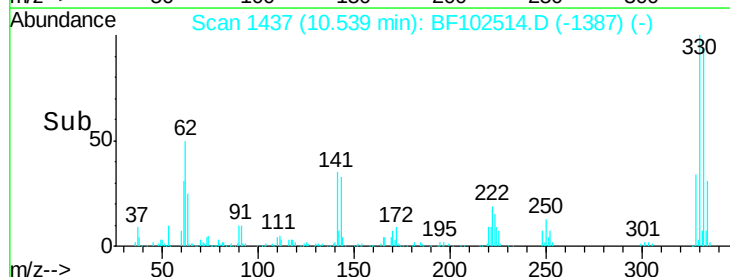
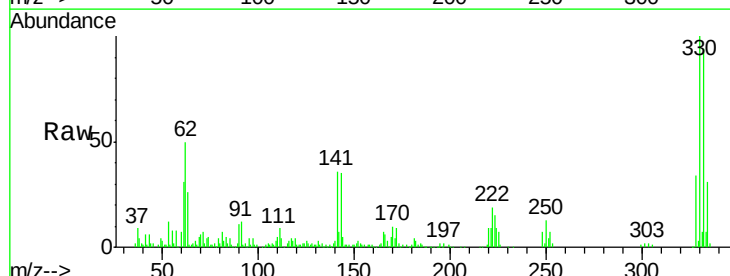
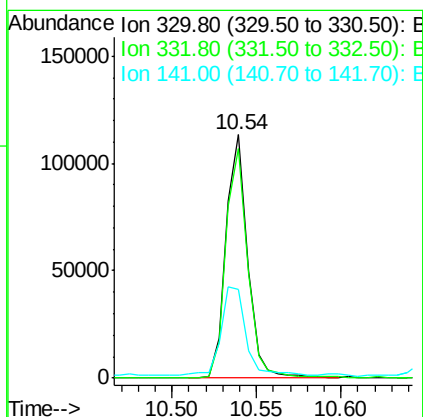
RT: 10.54 min Scan# 1437

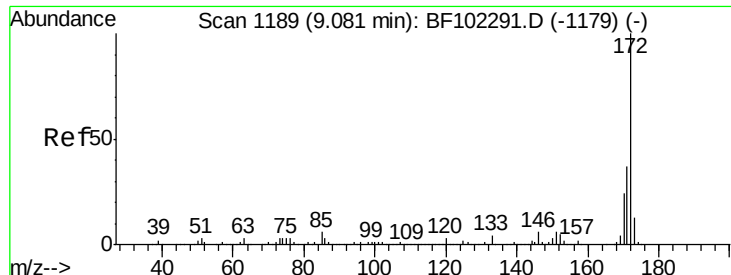
Delta R.T. -0.01 min

Lab File: BF102514.D

Acq: 27 Jan 2018 17:05

Tgt Ion:	330	Resp:	101425
Ion Ratio	Lower	Upper	
330	100		
332	95.9	77.0	115.6
141	41.9	29.9	44.9





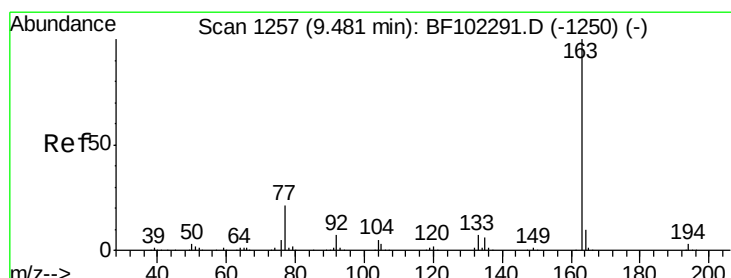
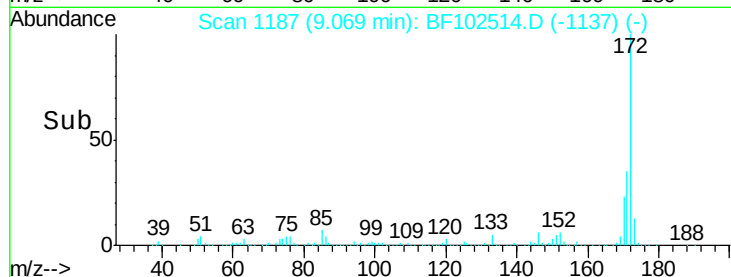
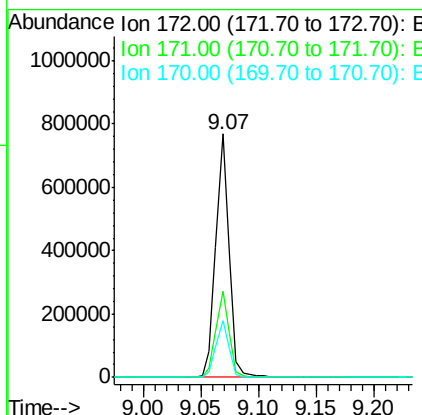
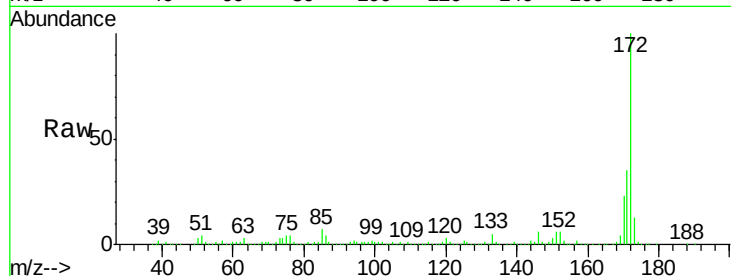
#44
2-Fluorobiphenyl
Concen: 36.645 ng
RT: 9.07 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF102514.D
Acq: 27 Jan 2018 17:05

Instrument :
BNA_F
ClientSampled :
TR-05-012518

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.5	19.6	29.4

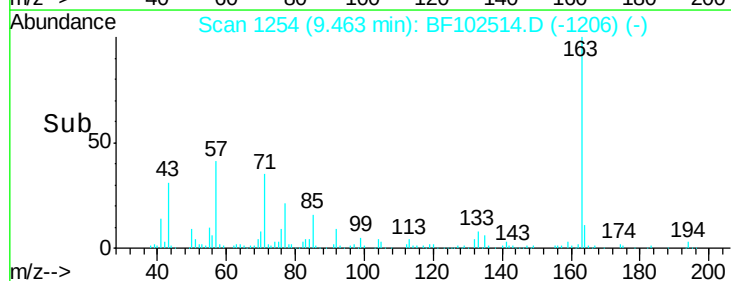
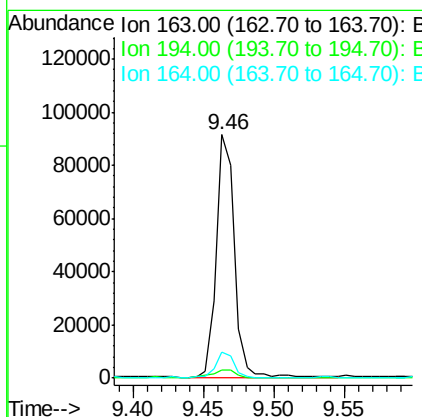
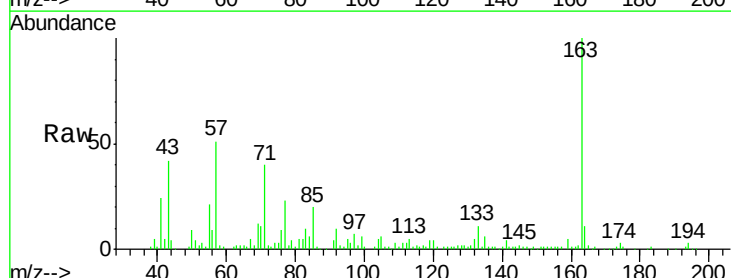
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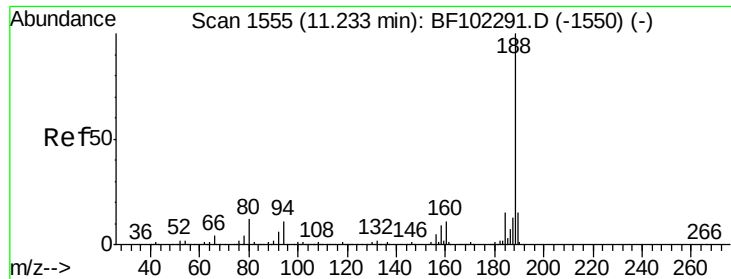
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#49
Dimethylphthalate
Concen: 3.984 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF102514.D
Acq: 27 Jan 2018 17:05

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	10.6	8.2	12.2





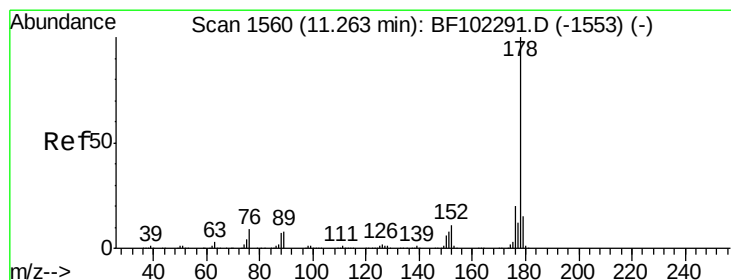
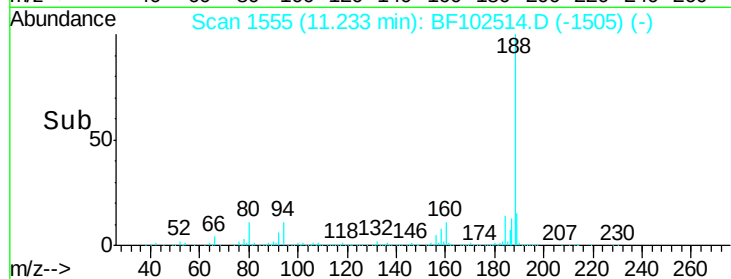
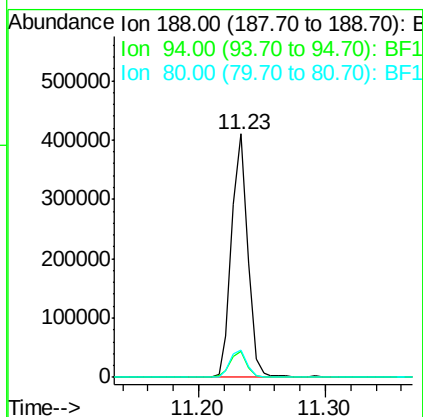
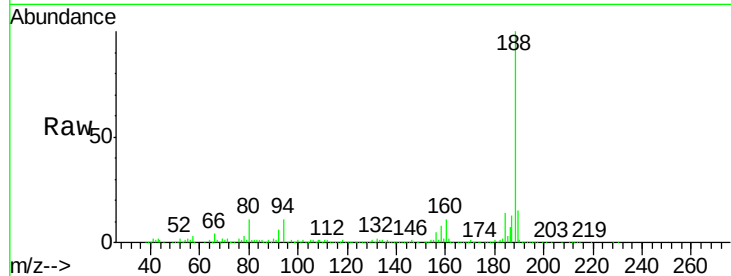
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102514.D
Acq: 27 Jan 2018 17:05

Instrument :
BNA_F
ClientSampleId :
TR-05-012518

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	361785		
94	10.9		8.5	12.7
80	11.0		9.2	13.8

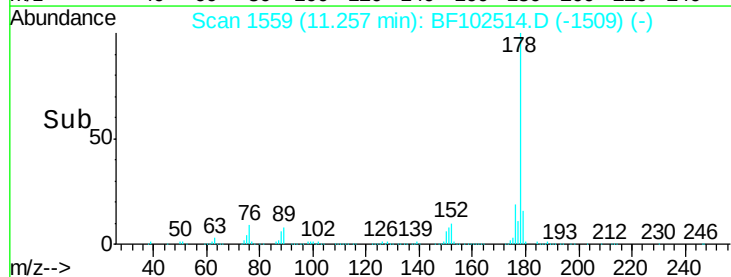
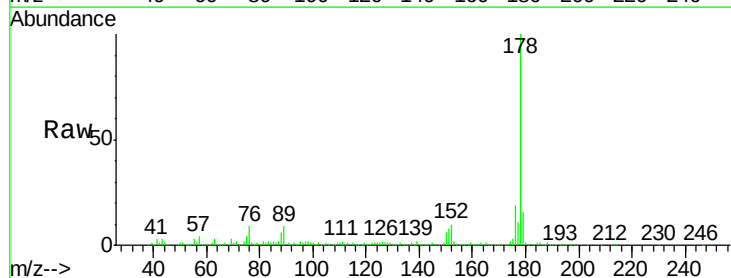
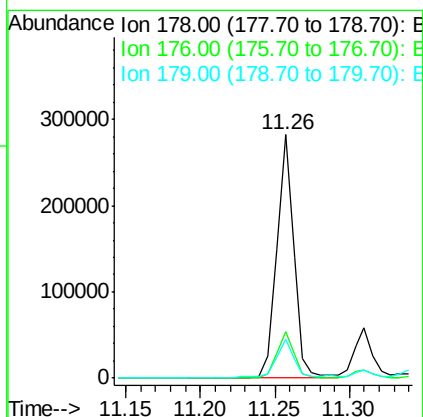
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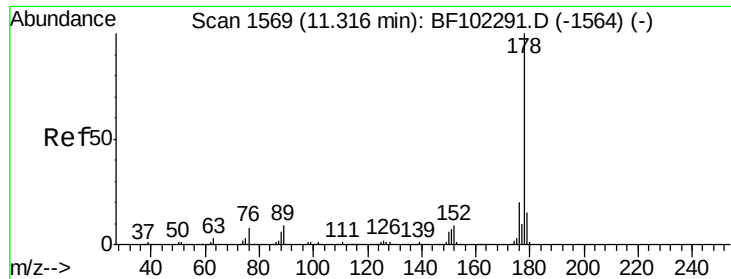
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#70
Phenanthrene
Concen: 10.666 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF102514.D
Acq: 27 Jan 2018 17:05

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	224864		
176	18.9		15.8	23.8
179	16.0		13.0	19.6





#71

Anthracene

Concen: 2.036 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF102514.D

Acq: 27 Jan 2018 17:05

Instrument :

BNA_F

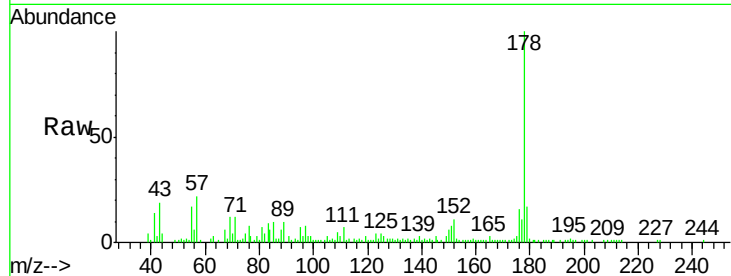
ClientSampleId :

TR-05-012518

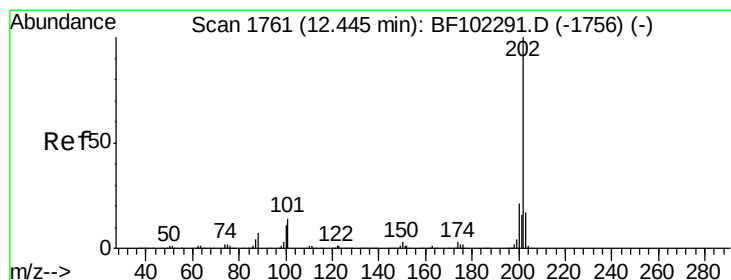
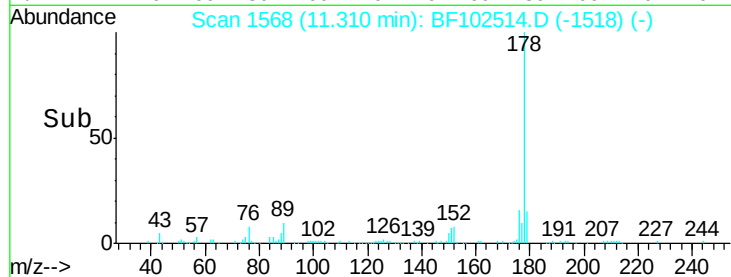
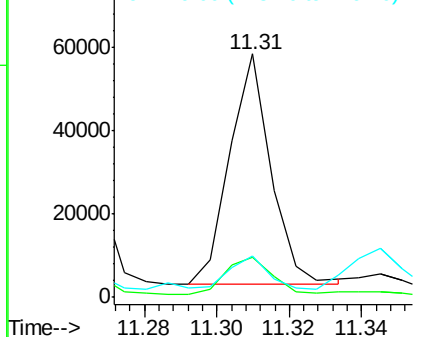
Tgt Ion:	178	Resp:	43811
Ion Ratio	Lower	Upper	
178	100		
176	16.2	15.4	23.2
179	16.9	12.6	19.0

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 9.381 ng

RT: 12.45 min Scan# 1761

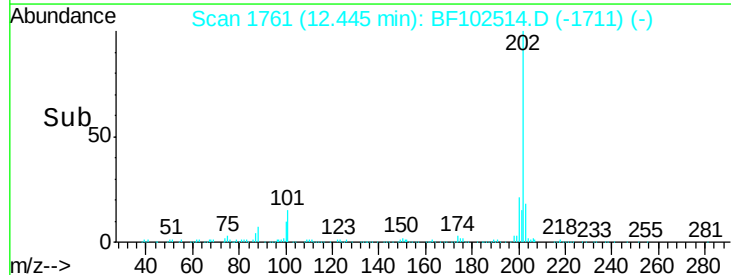
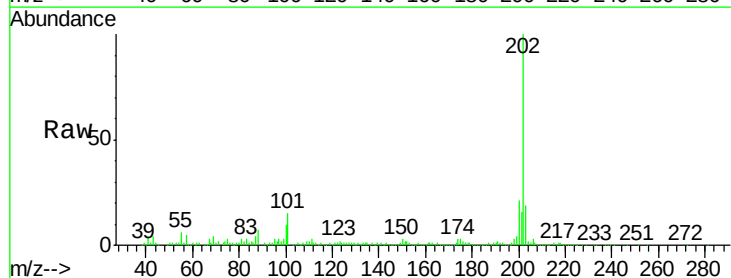
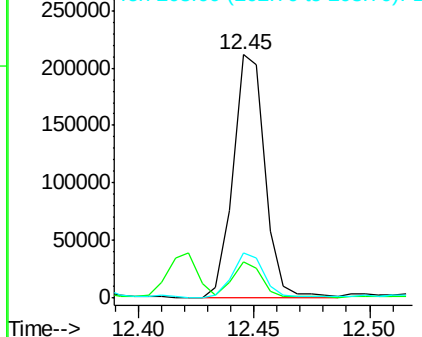
Delta R.T. -0.01 min

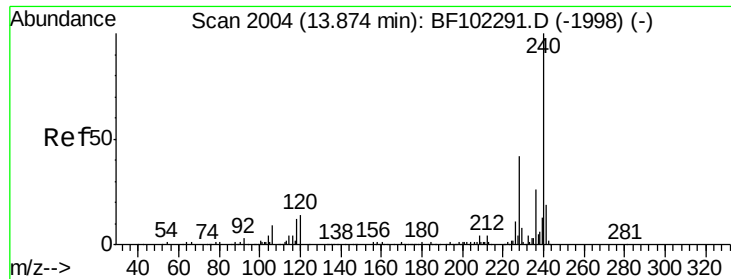
Lab File: BF102514.D

Acq: 27 Jan 2018 17:05

Tgt Ion:	202	Resp:	201668
Ion Ratio	Lower	Upper	
202	100		
101	14.9	0.0	34.1
203	18.5	0.0	38.1

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF102514.D

Acq: 27 Jan 2018 17:05

Instrument :

BNA_F

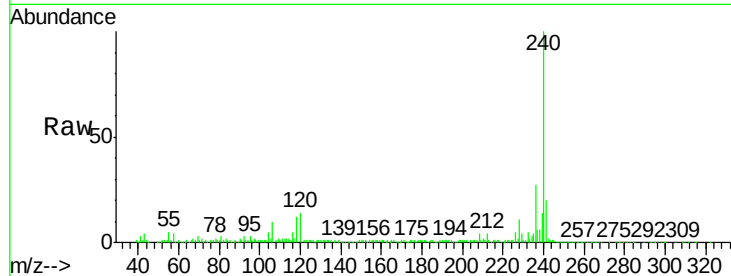
ClientSampleId :

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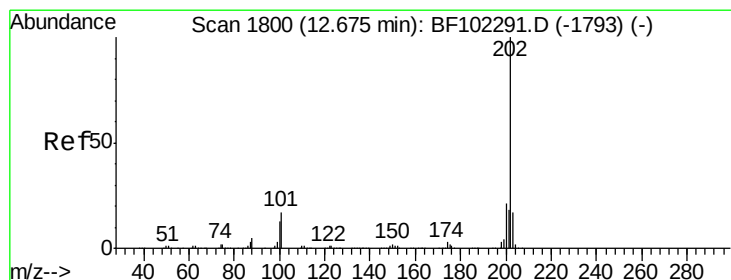
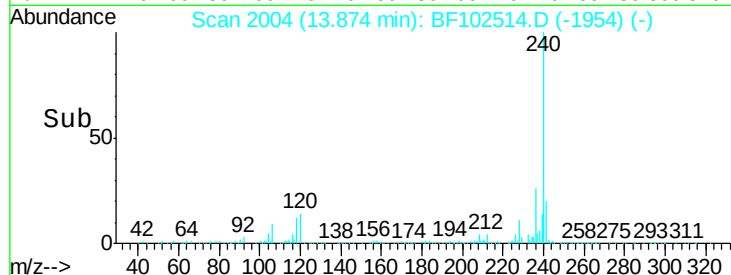
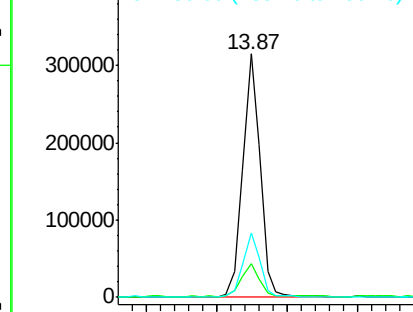
Tgt	Ion	240	Resp:	270673
Ion	Ratio	Lower	Upper	
240	100			
120	14.0	9.5	14.3	
236	26.6	20.7	31.1	

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 13.372 ng

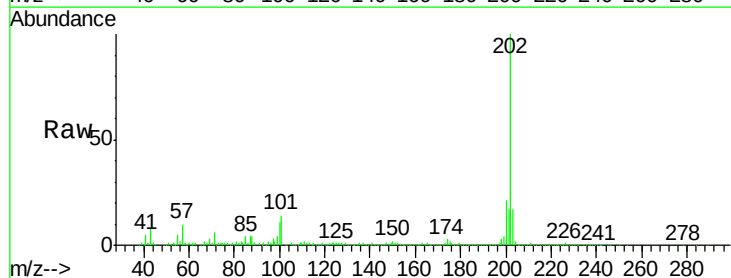
RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

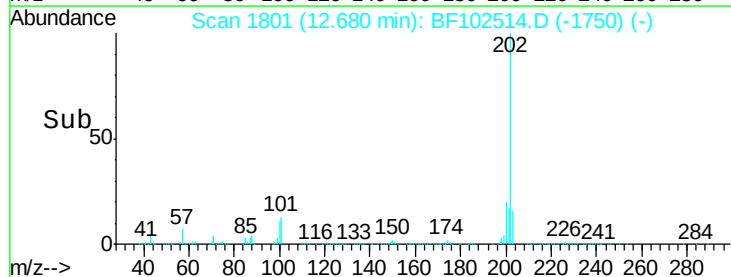
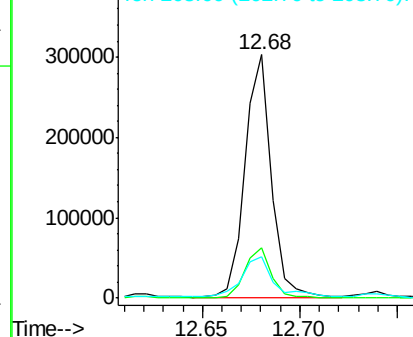
Lab File: BF102514.D

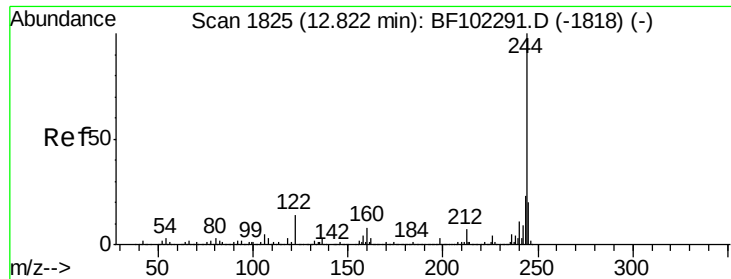
Acq: 27 Jan 2018 17:05

Tgt	Ion	202	Resp:	279842
Ion	Ratio	Lower	Upper	
202	100			
200	20.7	17.4	26.2	
203	17.2	14.3	21.5	



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 32.753 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF102514.D

Acq: 27 Jan 2018 17:05

Instrument :

BNA_F

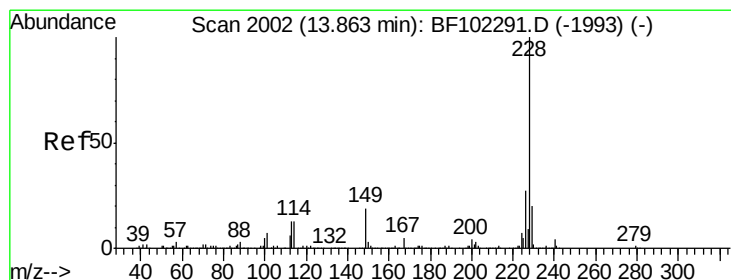
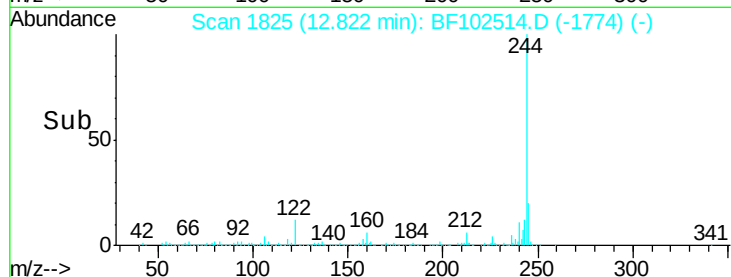
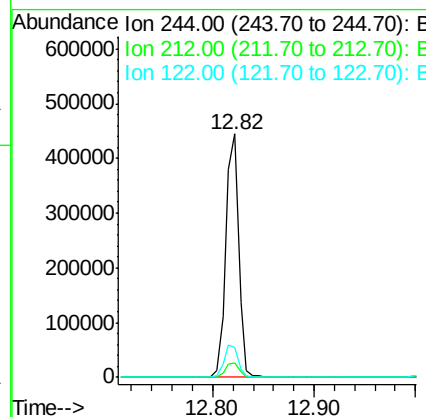
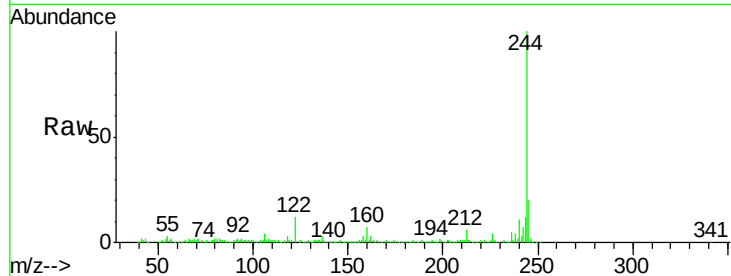
ClientSampleId :

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Tgt Ion:	244	Resp:	393249
Ion Ratio	Lower	Upper	
244	100		
212	6.2	5.4	8.0
122	12.5	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 7.401 ng

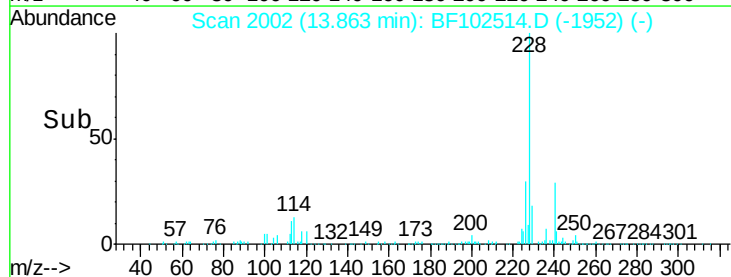
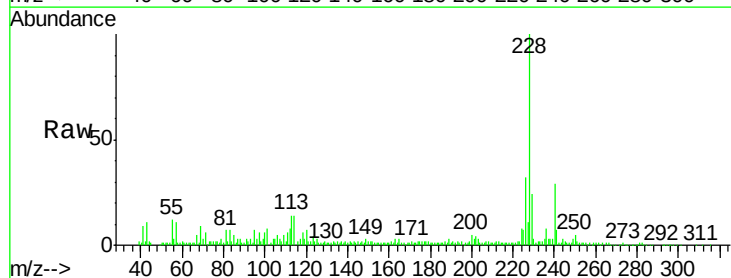
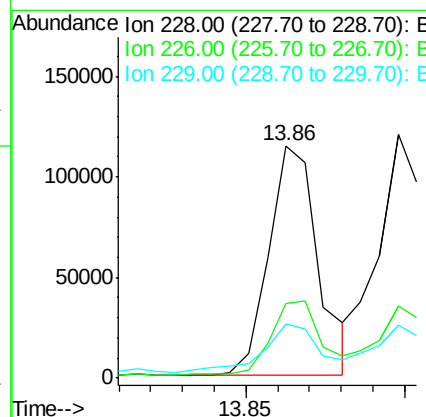
RT: 13.86 min Scan# 2002

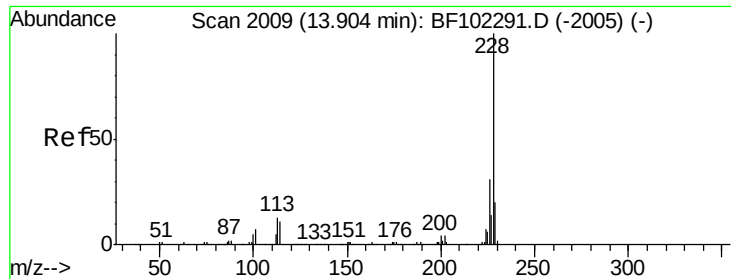
Delta R.T. -0.01 min

Lab File: BF102514.D

Acq: 27 Jan 2018 17:05

Tgt Ion:	228	Resp:	123330
Ion Ratio	Lower	Upper	
228	100		
226	32.2	22.6	33.8
229	23.5	15.8	23.6





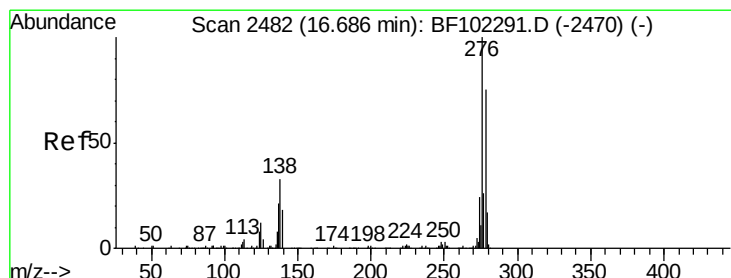
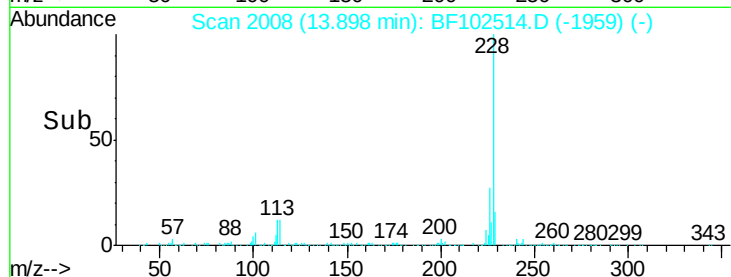
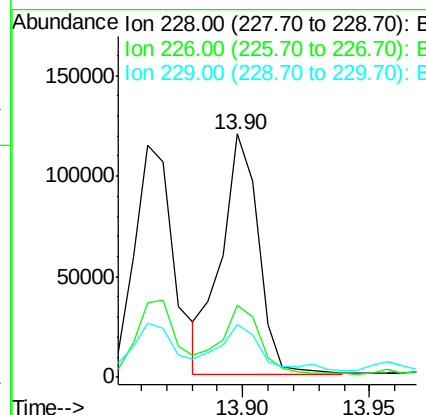
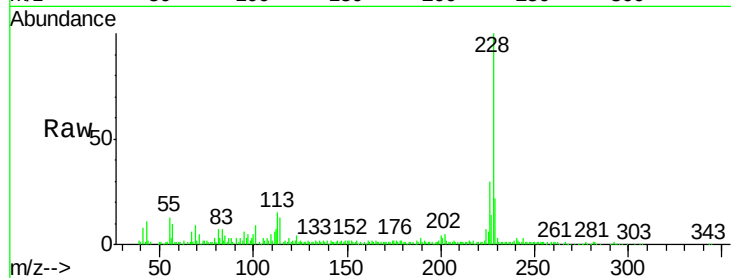
#82
Chrysene
Concen: 7.202 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102514.D
Acq: 27 Jan 2018 17:05

Instrument :
BNA_F
ClientSampleId :
TR-05-012518

Tgt Ion:	228	Resp:	121872
Ion Ratio	Lower	Upper	
228	100		
226	29.6	25.0	37.6
229	21.6	16.2	24.4

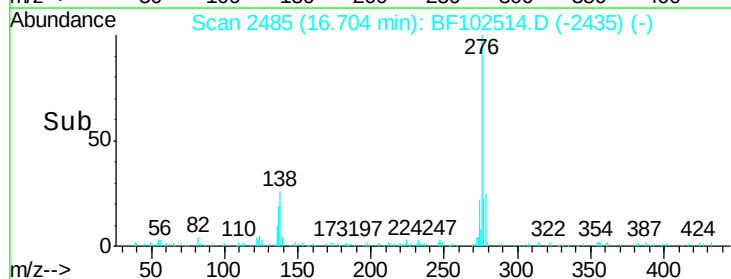
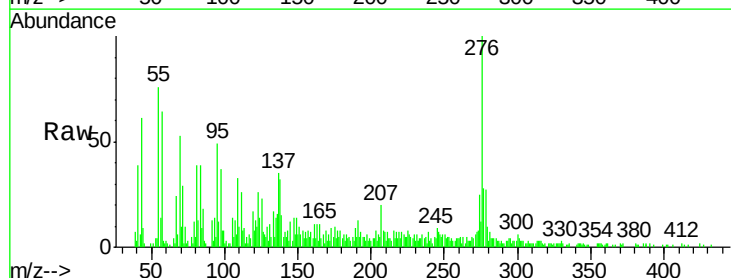
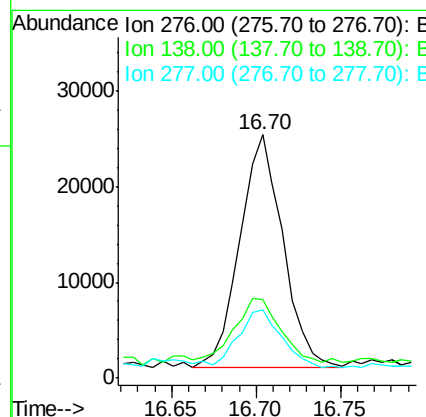
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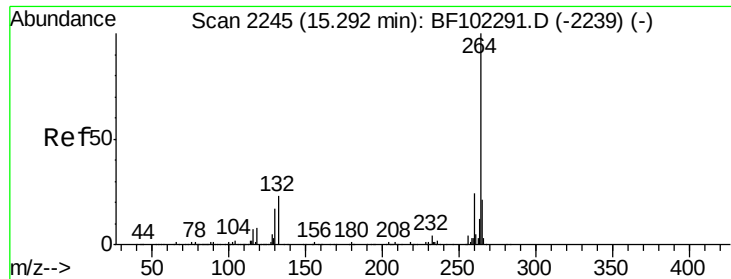
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.080 ng
RT: 16.70 min Scan# 2485
Delta R.T. -0.01 min
Lab File: BF102514.D
Acq: 27 Jan 2018 17:05

Tgt Ion:	276	Resp:	43040
Ion Ratio	Lower	Upper	
276	100		
138	29.7	25.0	37.6
277	24.8	20.1	30.1





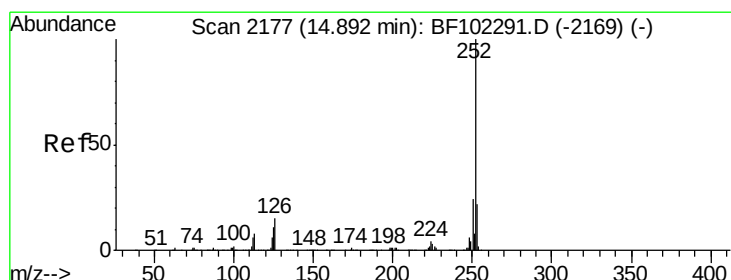
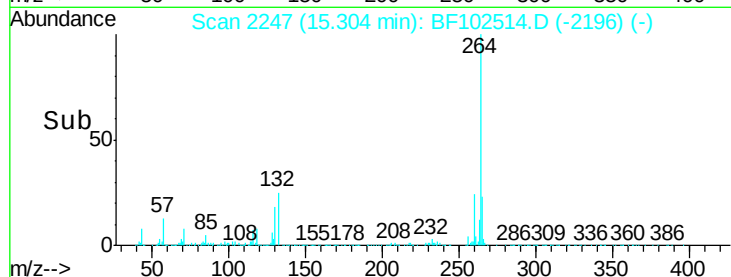
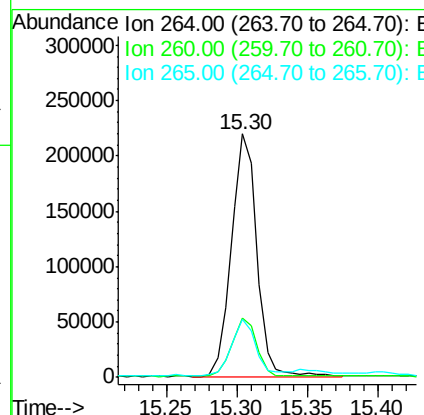
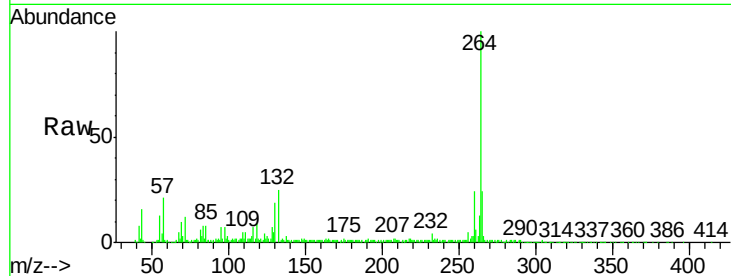
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2247
 Delta R.T. 0.00 min
 Lab File: BF102514.D
 Acq: 27 Jan 2018 17:05

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
264	100	272290		
260	24.3	19.2	28.8	
265	23.9	17.5	26.3	

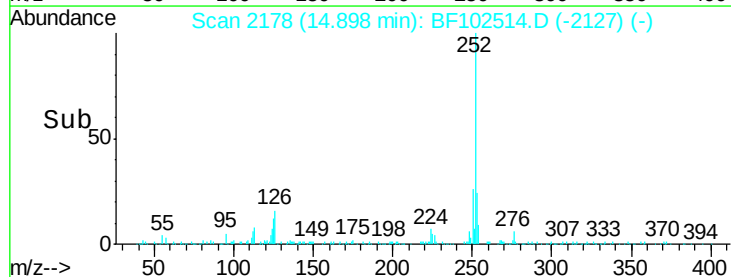
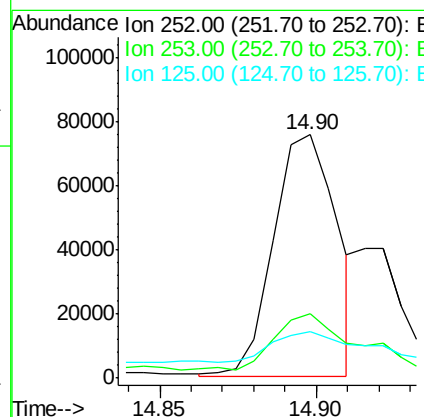
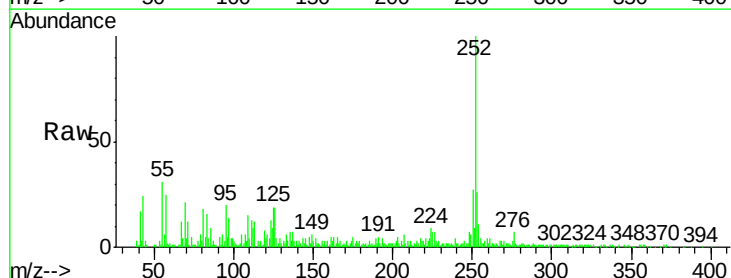
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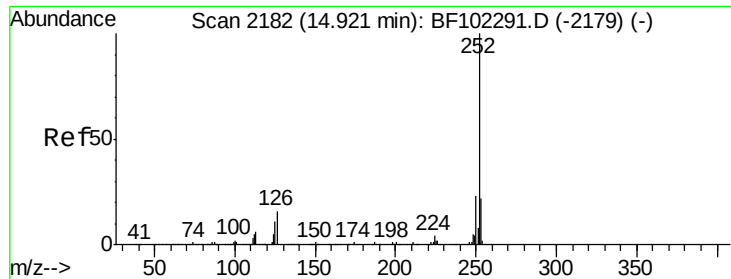
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#87
 Benzo(b)fluoranthene
 Concen: 6.038 ng m
 RT: 14.90 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: BF102514.D
 Acq: 27 Jan 2018 17:05

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	106570		
253	26.4	17.0	25.6#	
125	19.2	9.0	13.6#	





#88

Benzo(k)fluoranthene

Concen: 2.516 ng m

RT: 14.92 min Scan# 2182

Delta R.T. -0.01 min

Lab File: BF102514.D

Acq: 27 Jan 2018 17:05

Instrument :

BNA_F

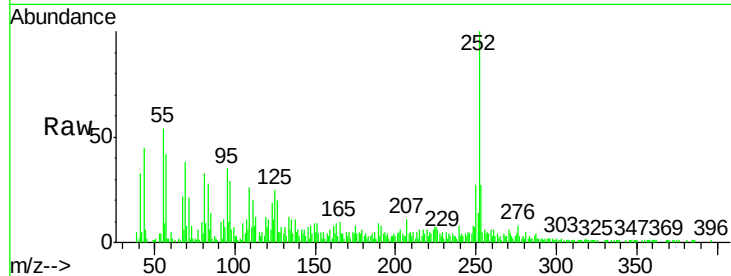
ClientSampleId :

TR-05-012518

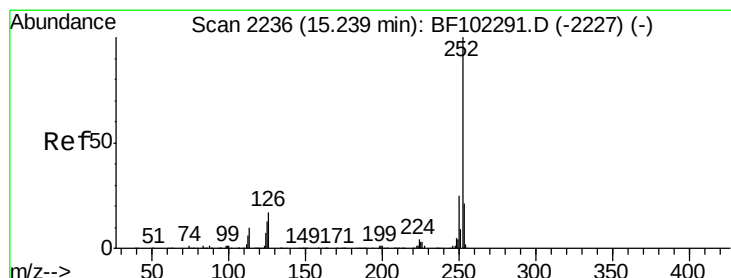
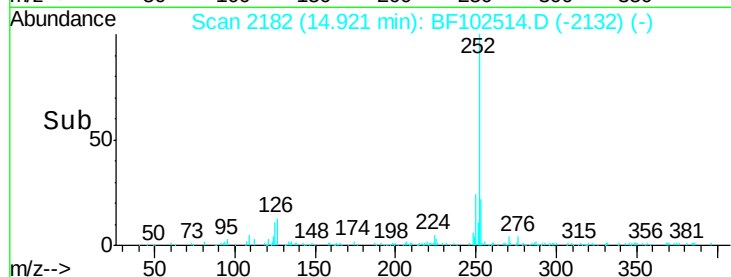
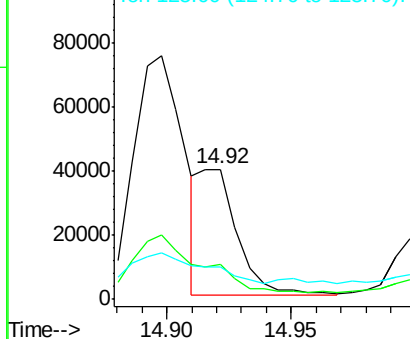
Tgt Ion:	252	Resp:	41950
Ion Ratio	Lower	Upper	
252	100		
253	26.8	17.9	26.9
125	25.0	10.2	15.2#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 6.156 ng

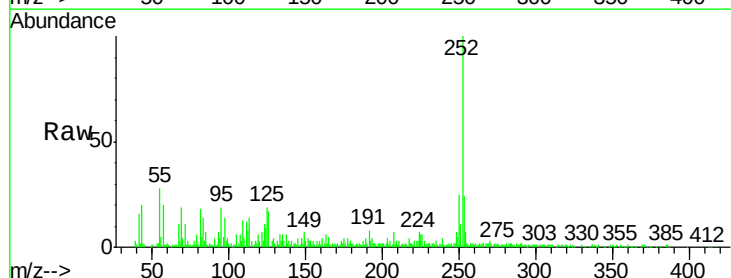
RT: 15.24 min Scan# 2237

Delta R.T. -0.01 min

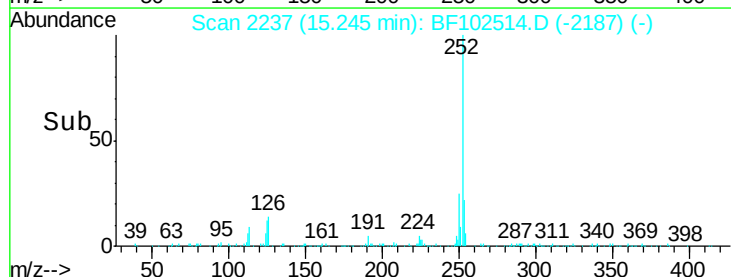
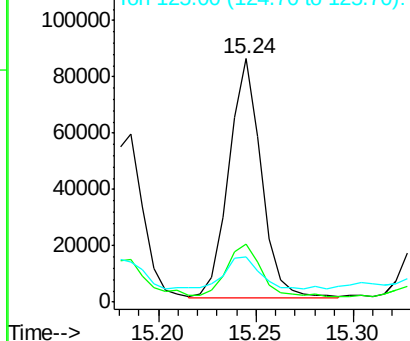
Lab File: BF102514.D

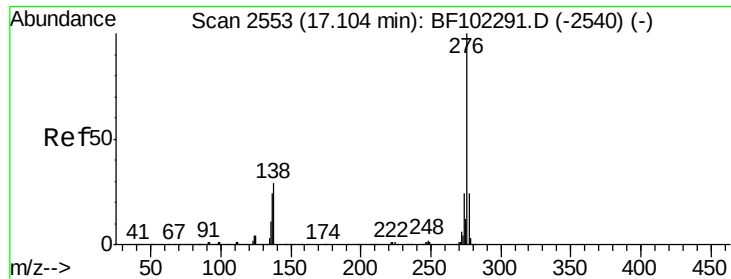
Acq: 27 Jan 2018 17:05

Tgt Ion:	252	Resp:	97991
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.1	25.7
125	18.7	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: 4.047 ng
RT: 17.13 min Scan# 2557
Delta R.T. -0.01 min
Lab File: BF102514.D
Acq: 27 Jan 2018 17:05

Instrument :
BNA_F
ClientSampleId :
TR-05-012518

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	26.0	17.9	26.9
138	32.7	21.8	32.8

Manual Integrations
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