

Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
 Data File : BF102068.D
 Acq On : 15 Jan 2018 17:41
 Operator : SJ/JU
 Sample : J1016-03 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-011218

Manual Integrations
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 1/16/2018 5:01:19 PM

Quant Time: Jan 15 23:56:37 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	227211	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	909366	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	390182	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	601277	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	364841	20.00	ng	-0.02
86) Perylene-d12	15.28	264	385789	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	337715	20.99	ng	-0.01
7) Phenol-d6	6.35	99	406519	21.18	ng	-0.02
23) Nitrobenzene-d5	7.28	82	241329	15.59	ng	-0.02
41) 2,4,6-Tribromophenol	10.54	330	70848	20.81	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	356088	14.26	ng	-0.02
78) Terphenyl-d14	12.82	244	220178	12.53	ng	-0.02
Target Compounds						
70) Phenanthrene	11.26	178	222173	6.326	ng	97
74) Fluoranthene	12.44	202	272262	7.879	ng	97
77) Pyrene	12.67	202	260803	8.087	ng	99
80) Benzo(a)anthracene	13.86	228	116729m	5.015	ng	
82) Chrysene	13.89	228	111300	4.585	ng	97
85) Indeno(1,2,3-cd)pyrene	16.64	276	58202	3.295	ng	98
87) Benzo(b)fluoranthene	14.87	252	141280m	5.616	ng	
89) Benzo(a)pyrene	15.22	252	107126	4.733	ng	# 95
91) Benzo(g,h,i)perylene	17.06	276	52684	2.895	ng	93

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

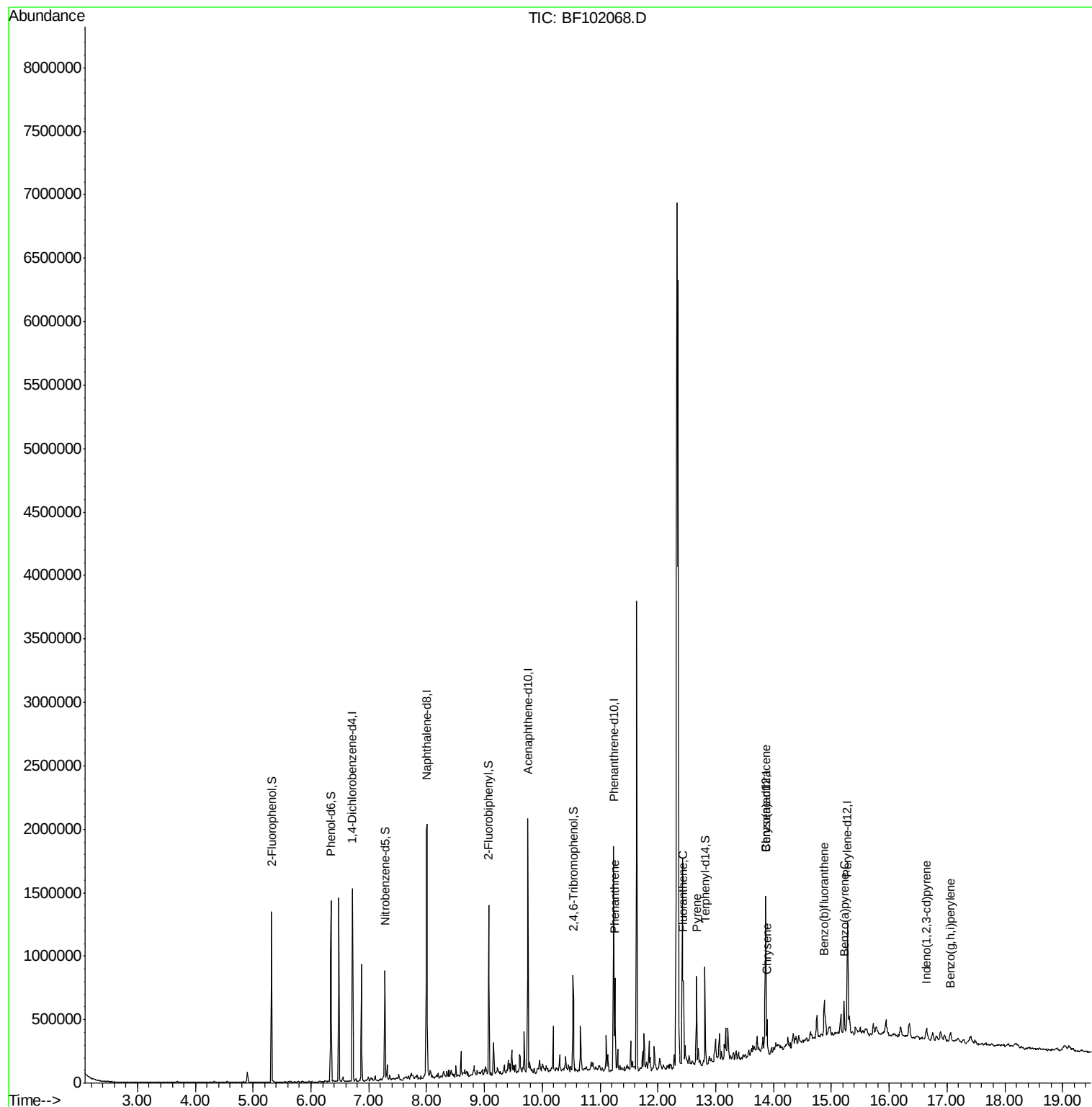
Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
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Misc :
ALS Vial : 7 Sample Multiplier: 1

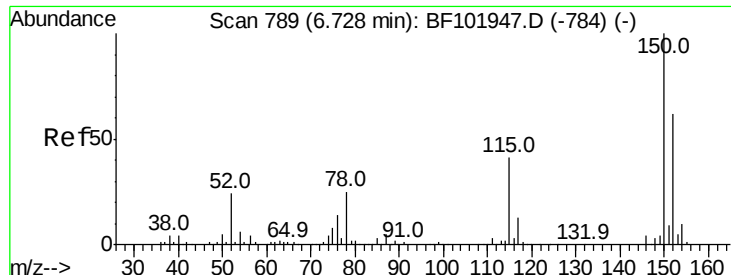
Instrument :
BNA_F
ClientSampleId :
OK-02-011218

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#1

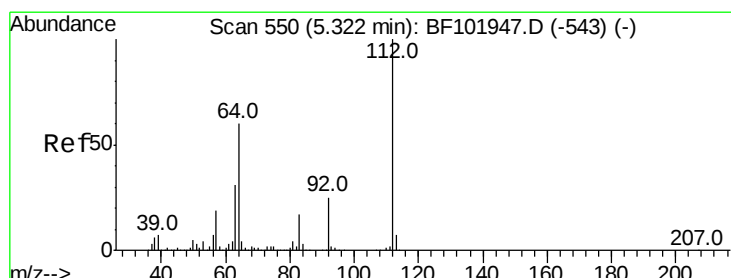
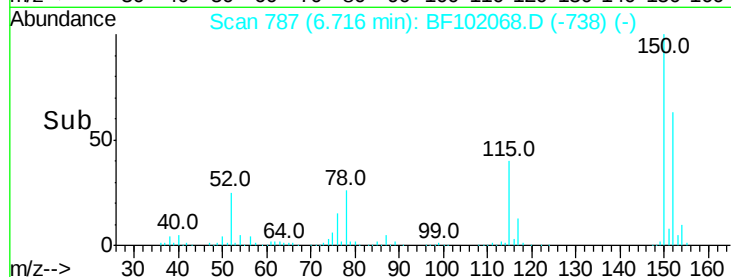
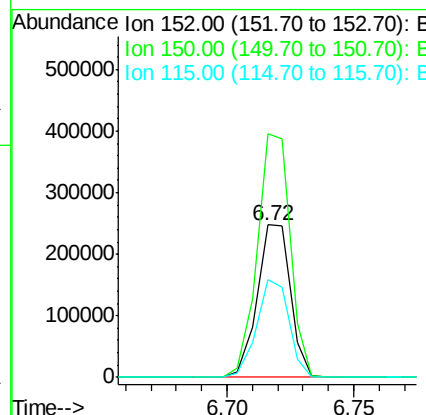
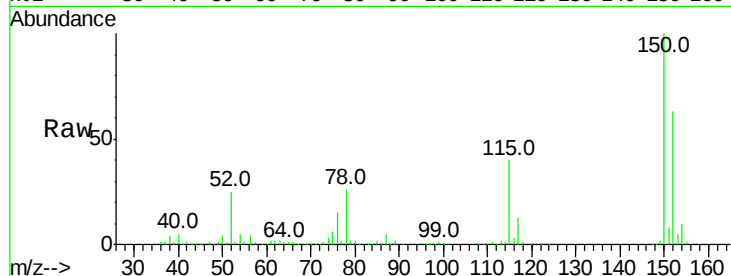
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF102068.D
Acq: 15 Jan 2018 17:41

Instrument :
BNA_F
ClientSampleId :
OK-02-011218

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	124.6	186.8
115	64.4	50.1	75.1

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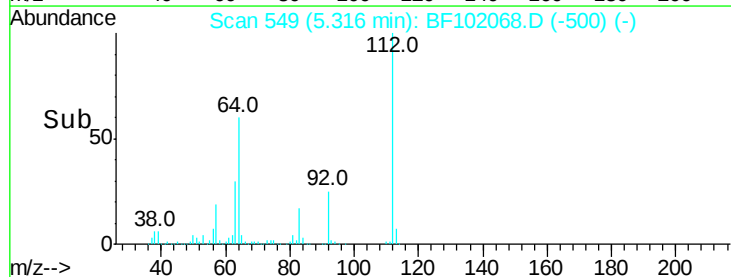
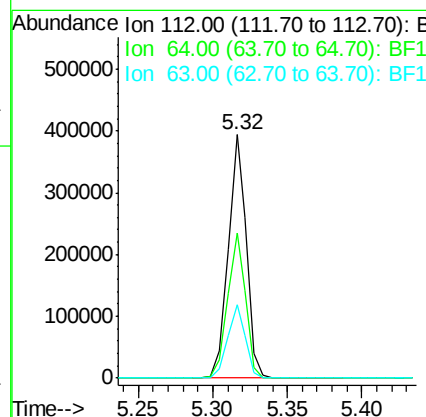
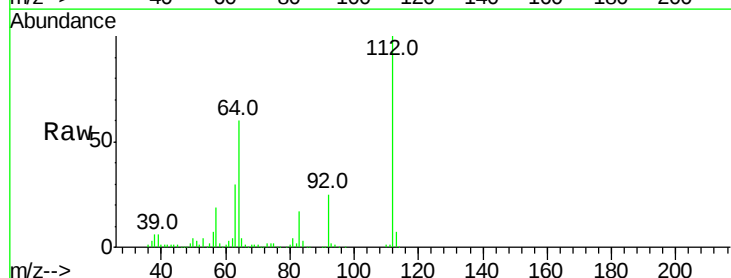
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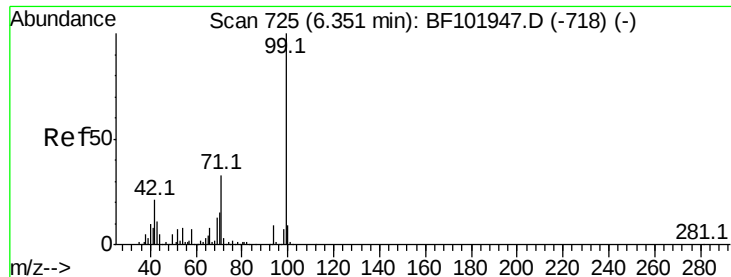


#5

2-Fluorophenol
Concen: 20.988 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF102068.D
Acq: 15 Jan 2018 17:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	47.9	71.9
63	30.1	23.7	35.5





#7

Phenol-d6

Concen: 21.175 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF102068.D

Acq: 15 Jan 2018 17:41

Instrument :

BNA_F

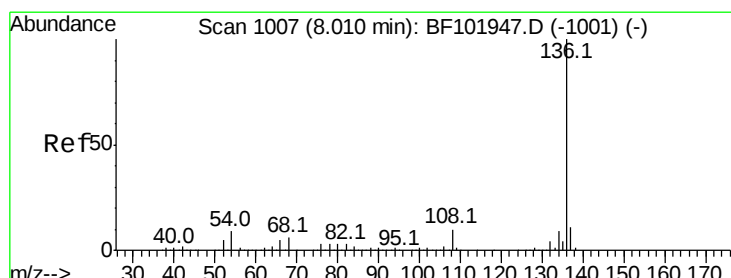
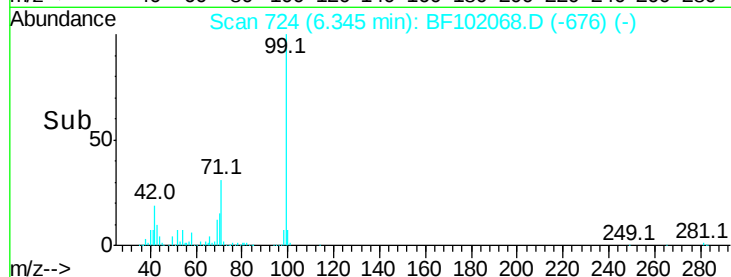
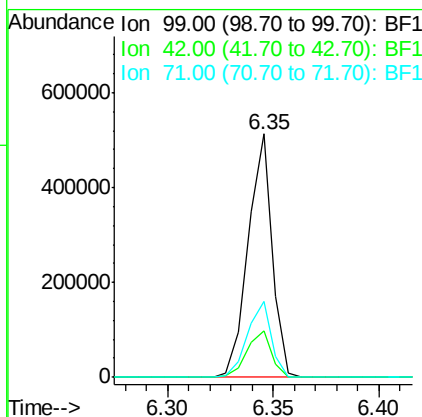
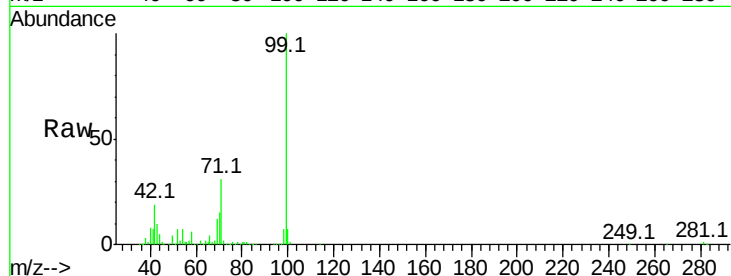
ClientSampleId :

OK-02-011218

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		406519		
42	19.3	14.5	21.7		
71	31.4	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

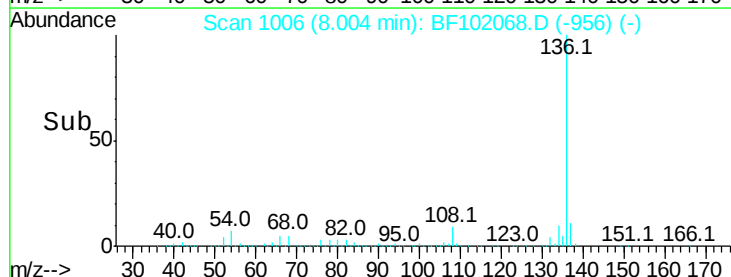
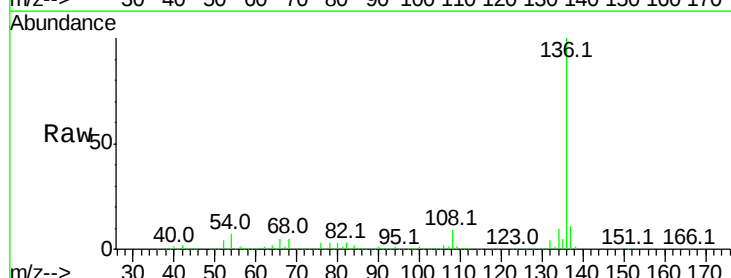
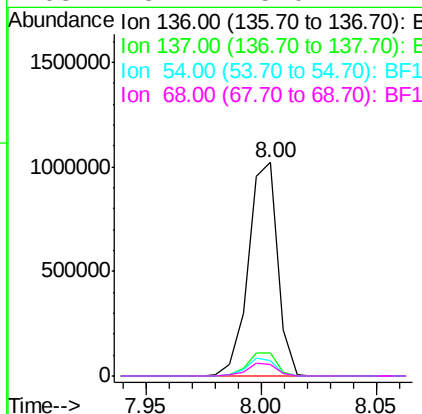
RT: 8.00 min Scan# 1006

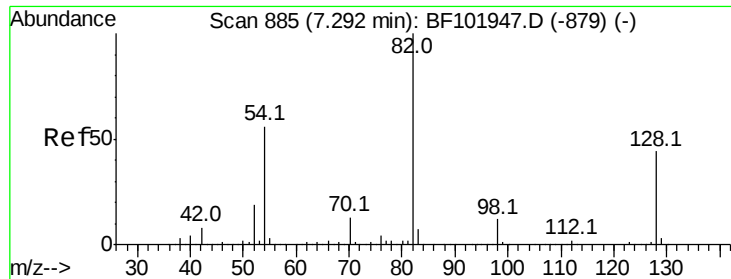
Delta R.T. -0.01 min

Lab File: BF102068.D

Acq: 15 Jan 2018 17:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		909366		
137	10.6	8.9	13.3		
54	7.5	6.6	9.8		
68	5.4	5.0	7.4		





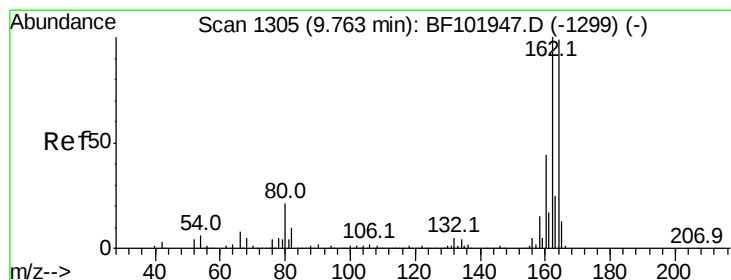
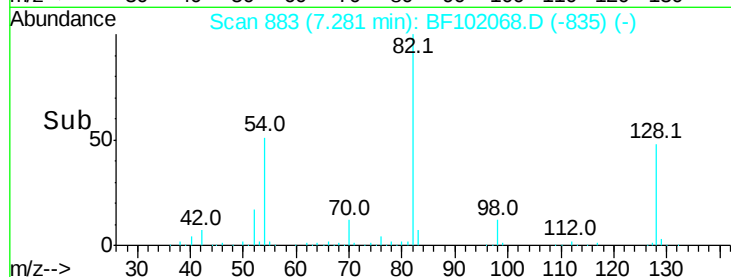
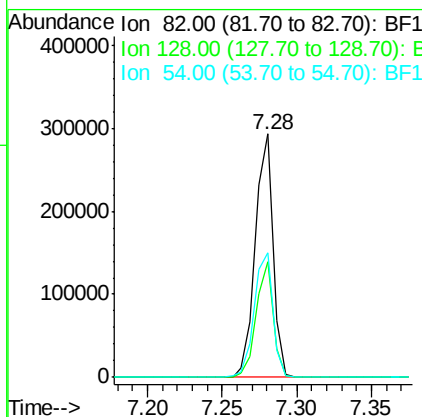
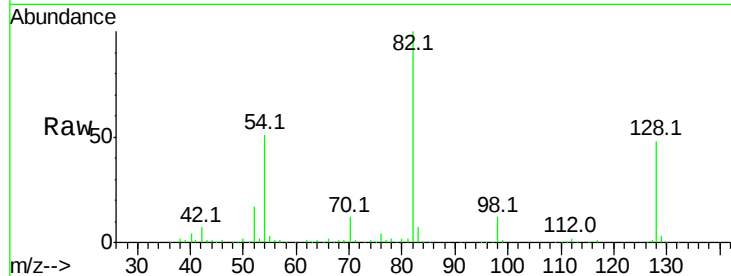
#23
Nitrobenzene-d5
Concen: 15.595 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF102068.D
Acq: 15 Jan 2018 17:41

Instrument :
BNA_F
ClientSampleId :
OK-02-011218

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.7	36.1	54.1
54	51.1	41.4	62.2

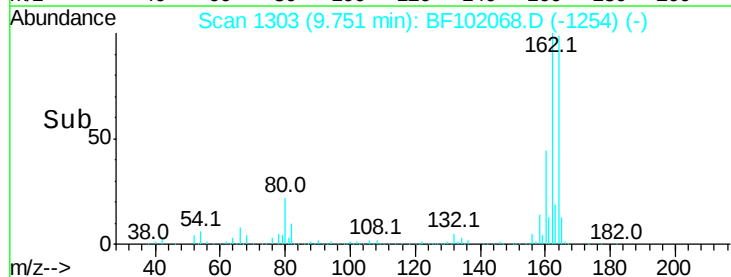
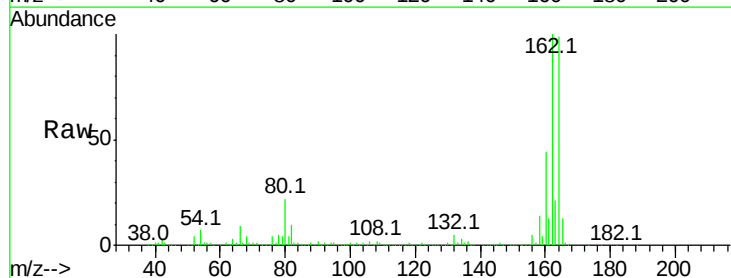
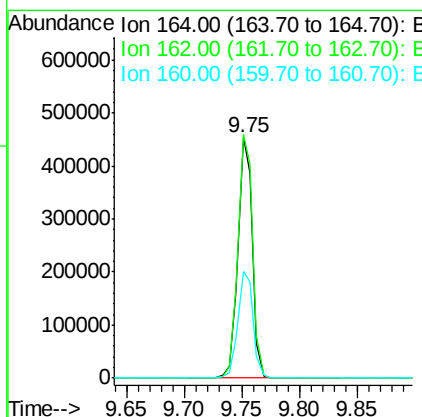
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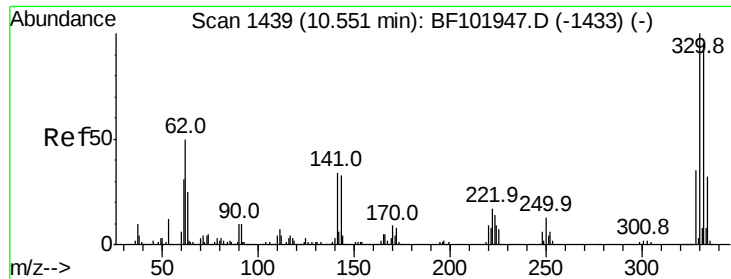
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF102068.D
Acq: 15 Jan 2018 17:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.2	86.1	129.1
160	44.4	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 20.807 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF102068.D

Acq: 15 Jan 2018 17:41

Instrument :

BNA_F

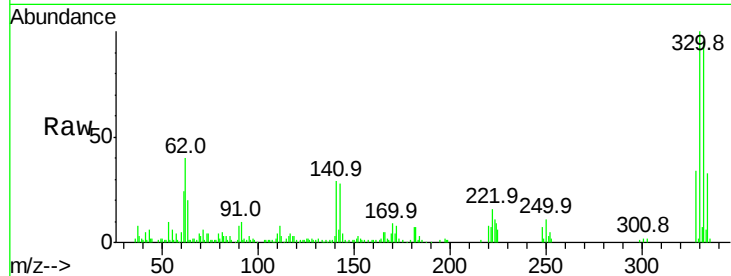
ClientSampled :

OK-02-011218

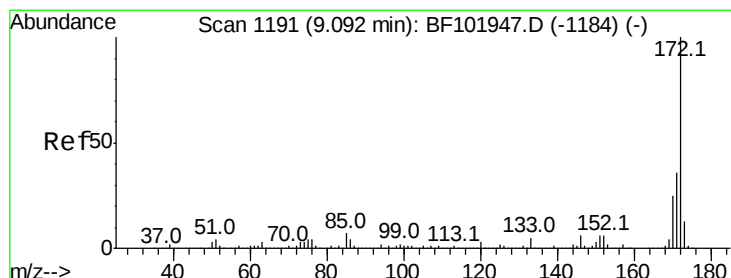
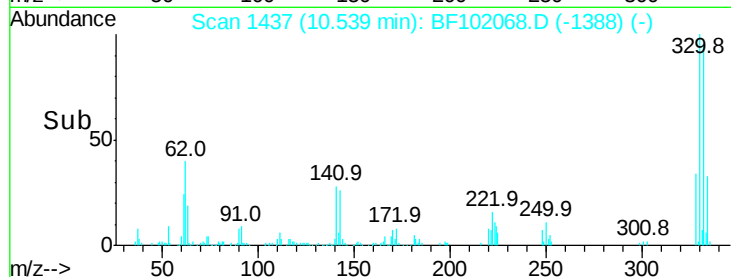
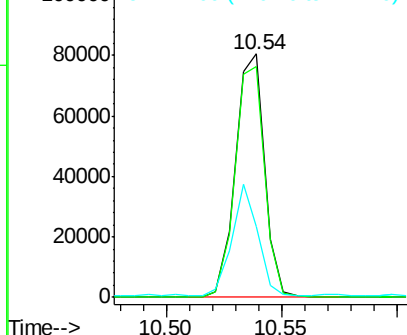
Tot Ion:	330	Resp:	70848
Ion Ratio	Lower	Upper	
330	100		
332	96.6	77.0	115.6
141	40.6	29.9	44.9

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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: 14.258 ng

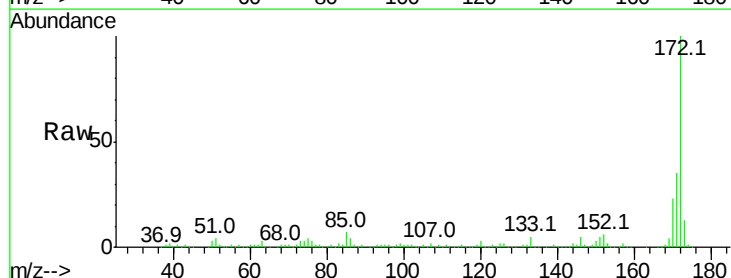
RT: 9.07 min Scan# 1188

Delta R.T. -0.02 min

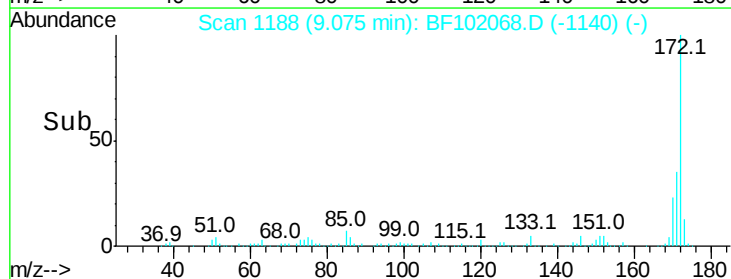
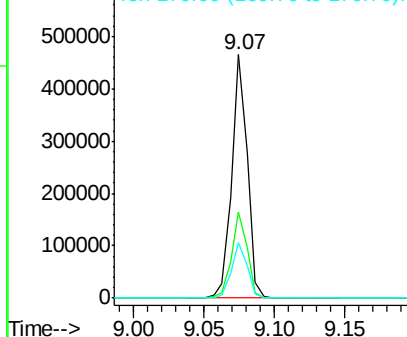
Lab File: BF102068.D

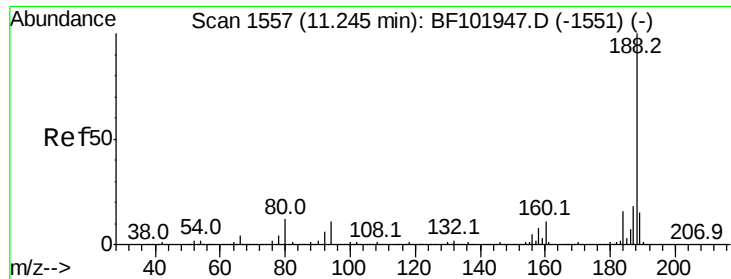
Acq: 15 Jan 2018 17:41

Tgt Ion:	172	Resp:	356088
Ion Ratio	Lower	Upper	
172	100		
171	35.4	29.7	44.5
170	23.0	19.6	29.4



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





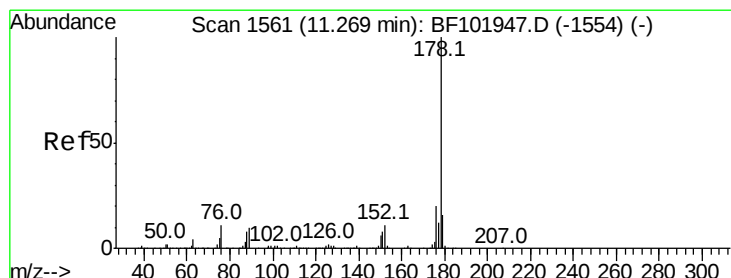
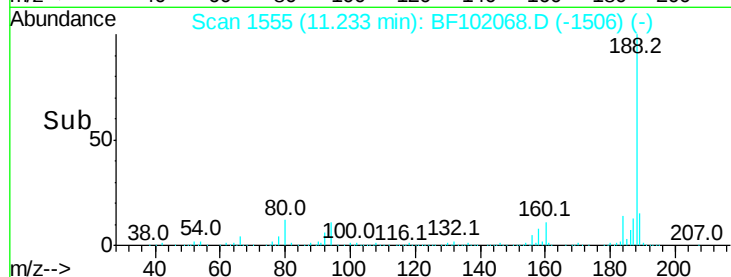
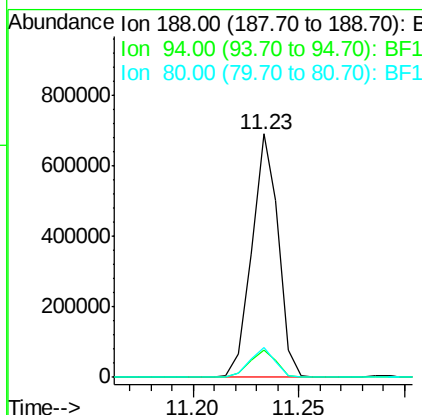
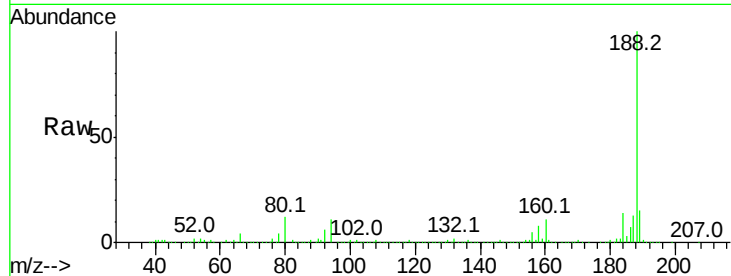
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102068.D
Acq: 15 Jan 2018 17:41

Instrument :
BNA_F
ClientSampleId :
OK-02-011218

Tot Ion	Ratio	Resp	Lower	Upper
188	100	601277		
94	11.2		8.5	12.7
80	12.2		9.2	13.8

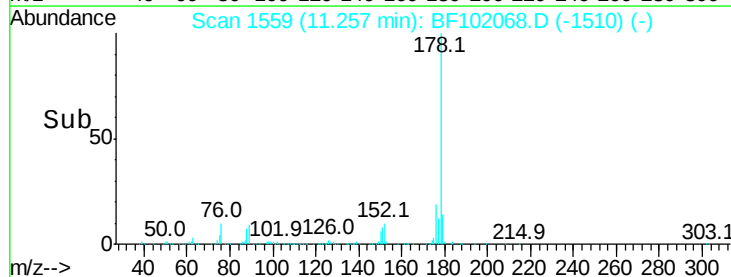
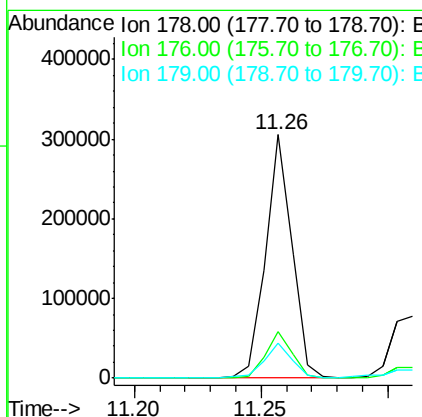
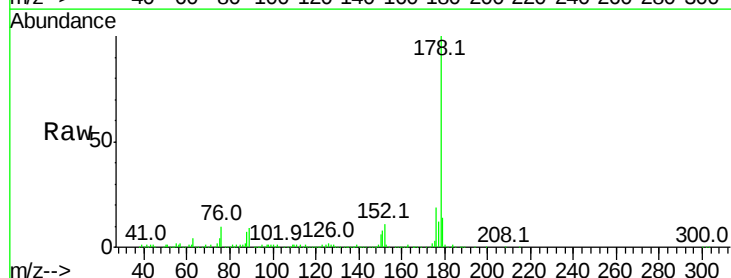
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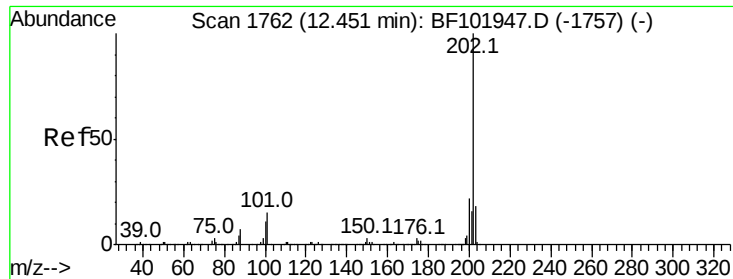
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#70
Phenanthrene
Concen: 6.326 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF102068.D
Acq: 15 Jan 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	222173		
176	19.0		15.8	23.8
179	14.3		13.0	19.6





#74

Fluoranthene

Concen: 7.879 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF102068.D

Acq: 15 Jan 2018 17:41

Instrument :

BNA_F

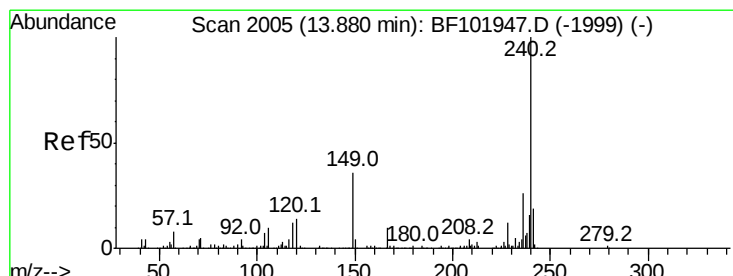
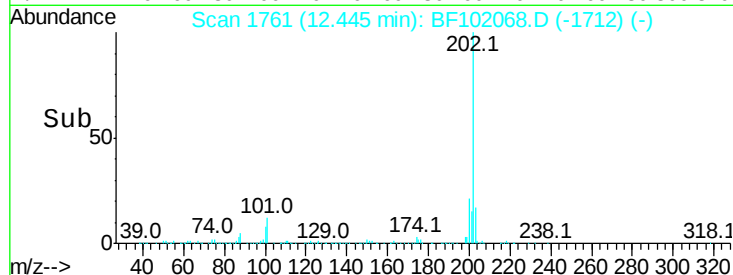
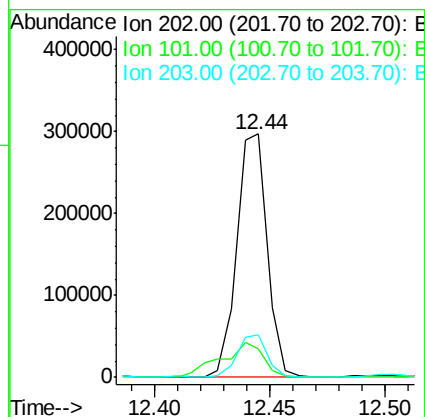
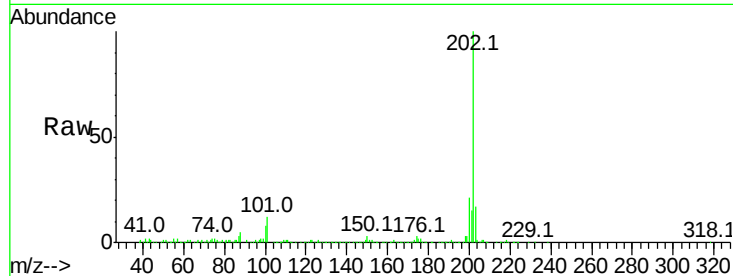
ClientSampleId :

OK-02-011218

Tot Ion:	202	Resp:	272262
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	34.1
203	17.3	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

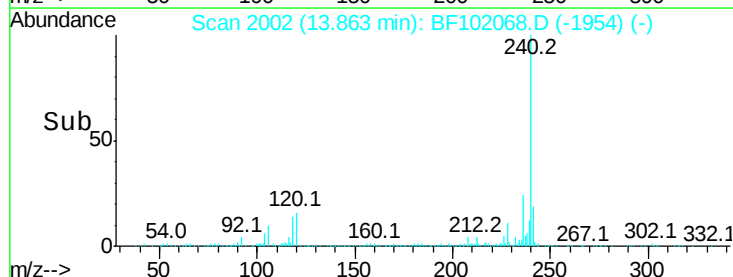
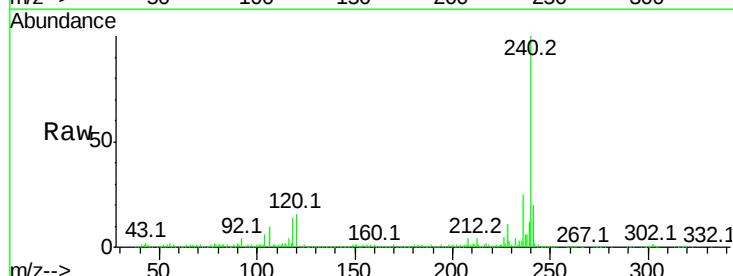
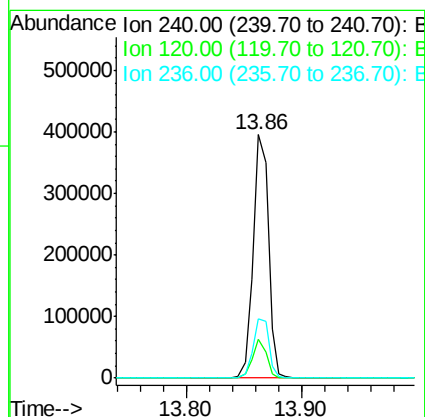
RT: 13.86 min Scan# 2002

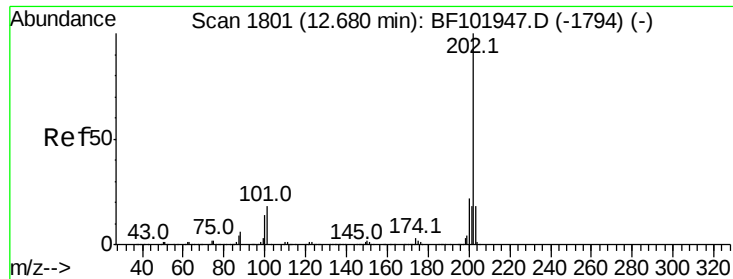
Delta R.T. -0.02 min

Lab File: BF102068.D

Acq: 15 Jan 2018 17:41

Tgt Ion:	240	Resp:	364841
Ion Ratio	Lower	Upper	
240	100		
120	16.0	9.5	14.3#
236	24.6	20.7	31.1





#77

Pvrene

Concen: 8.087 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF102068.D

Acq: 15 Jan 2018 17:41

Instrument :

BNA_F

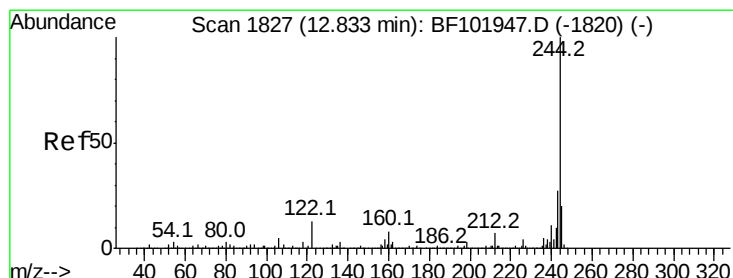
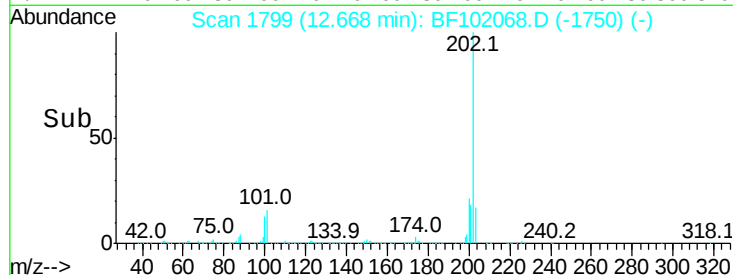
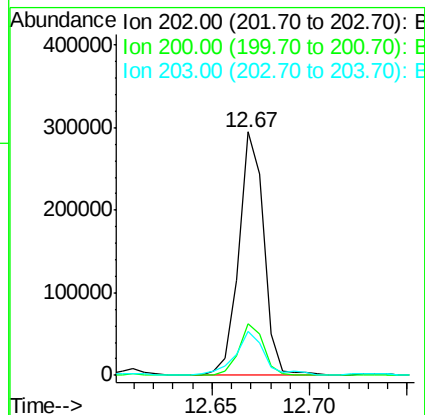
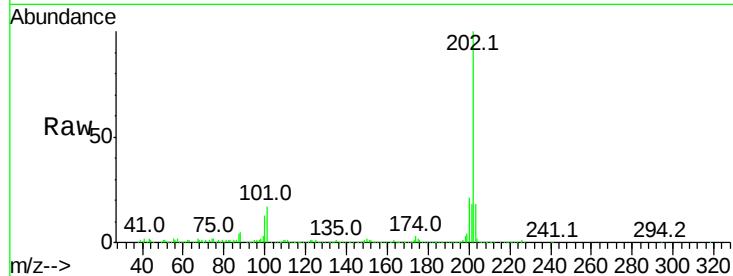
ClientSampleId :

OK-02-011218

Tot Ion:	202	Resp:	260803
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	17.9	14.3	21.5

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#78

Terphenyl-d14

Concen: 12.530 ng

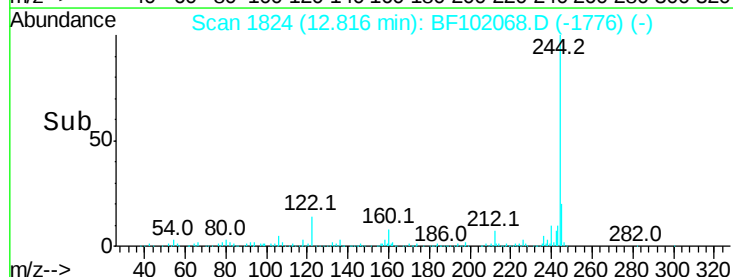
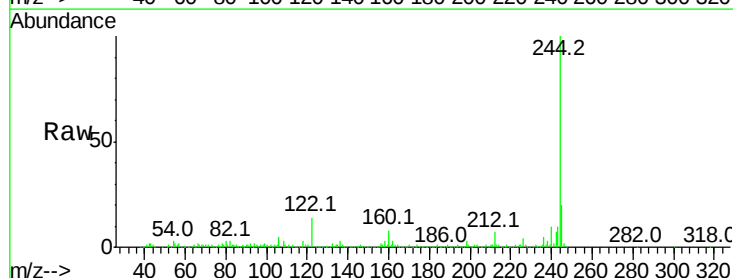
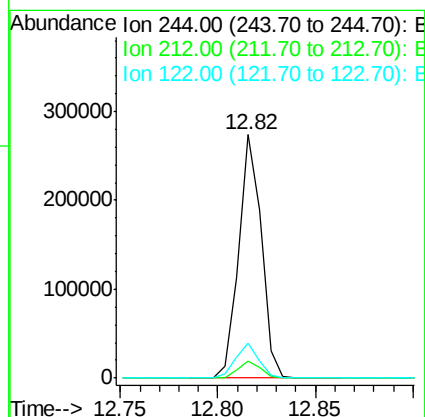
RT: 12.82 min Scan# 1824

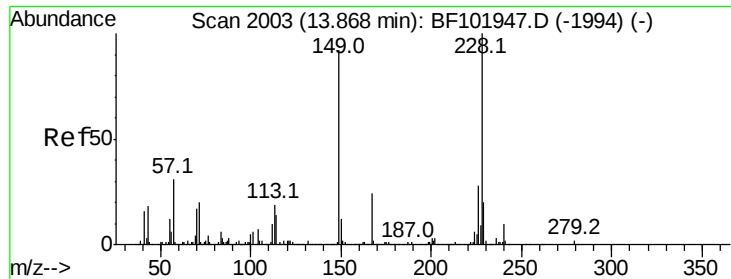
Delta R.T. -0.02 min

Lab File: BF102068.D

Acq: 15 Jan 2018 17:41

Tgt Ion:	244	Resp:	220178
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.0
122	14.3	11.0	16.4





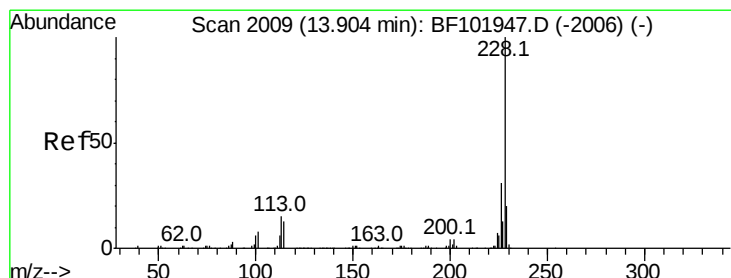
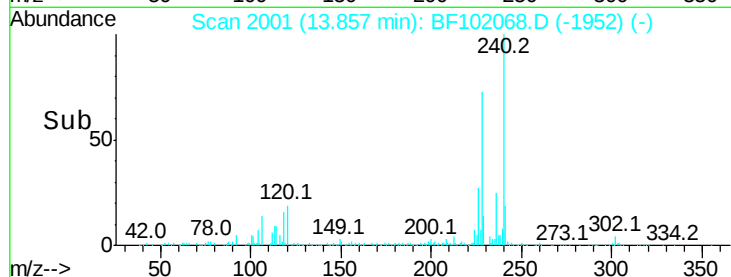
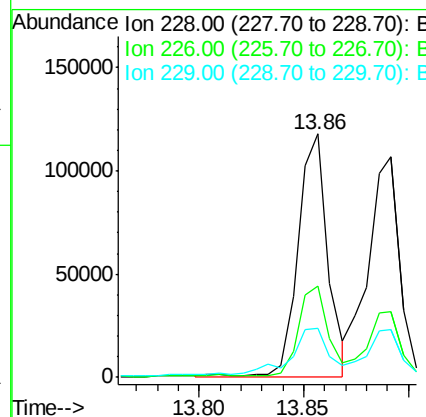
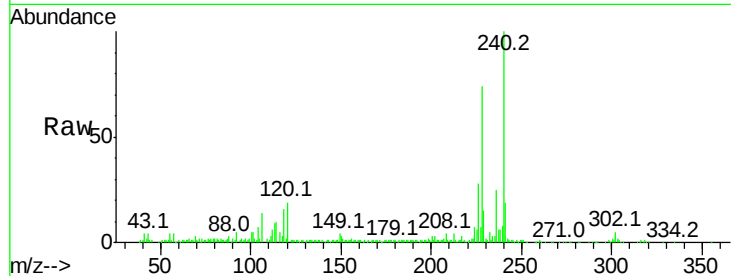
#80
Benzo(a)anthracene
Concen: 5.015 ng m
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF102068.D
Acq: 15 Jan 2018 17:41

Instrument :
BNA_F
ClientSampleId :
OK-02-011218

Tot Ion	Ratio	Lower	Upper
228	100		
226	37.5	22.6	33.8#
229	20.0	15.8	23.6

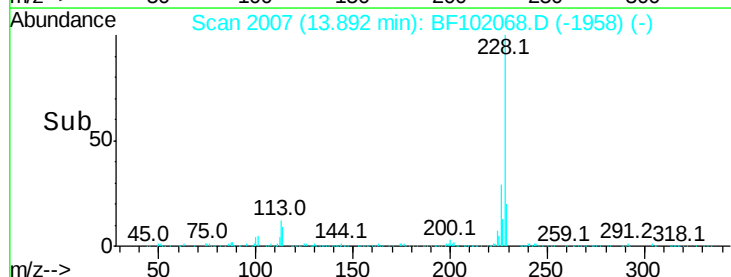
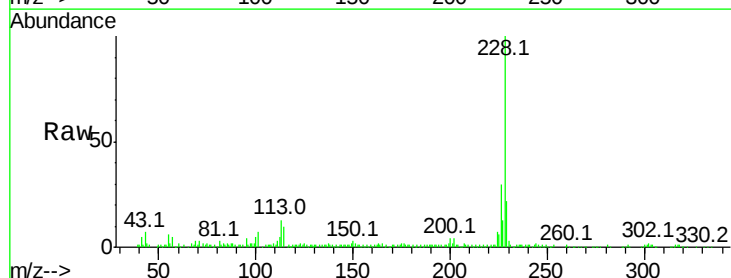
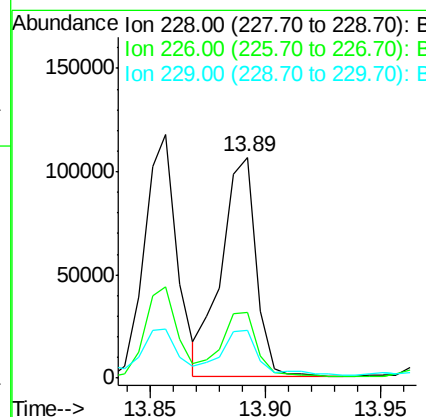
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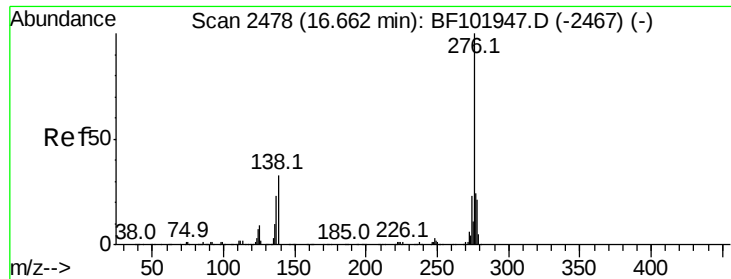
Sohil
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#82
Chrysene
Concen: 4.585 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF102068.D
Acq: 15 Jan 2018 17:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	21.7	16.2	24.4





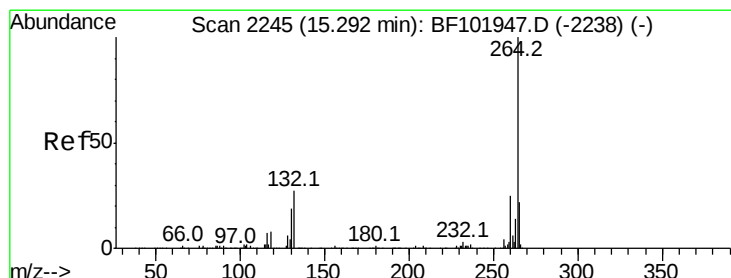
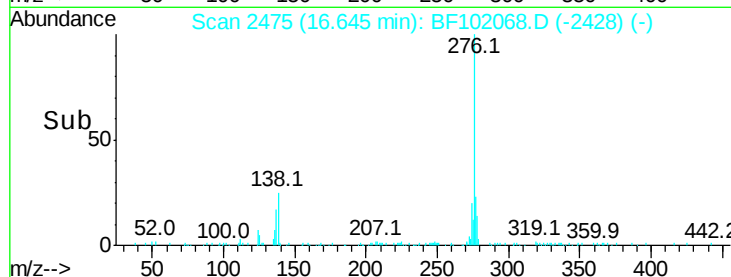
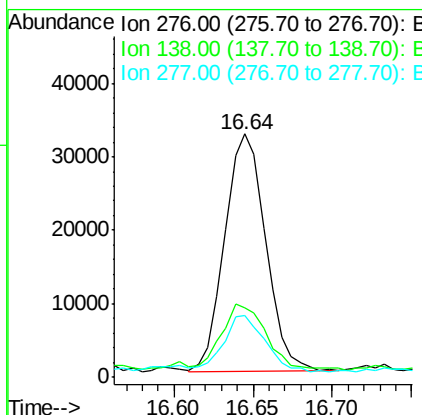
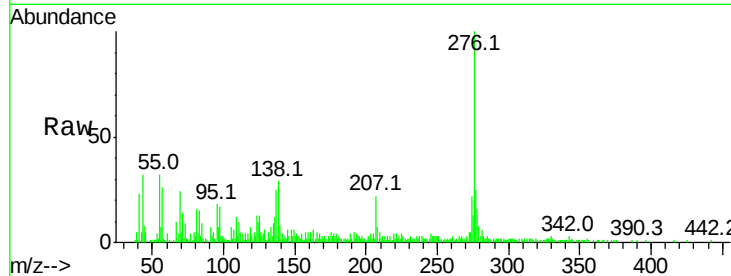
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.295 ng
RT: 16.64 min Scan# 2475
Delta R.T. -0.02 min
Lab File: BF102068.D
Acq: 15 Jan 2018 17:41

Instrument :
BNA_F
ClientSampleId :
OK-02-011218

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.7	25.0	37.6
277	23.4	20.1	30.1

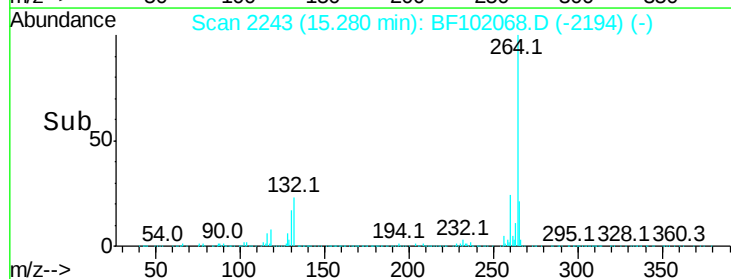
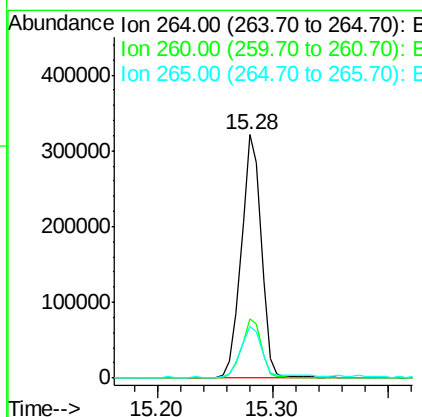
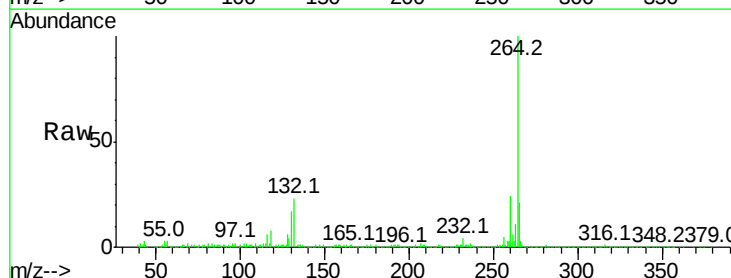
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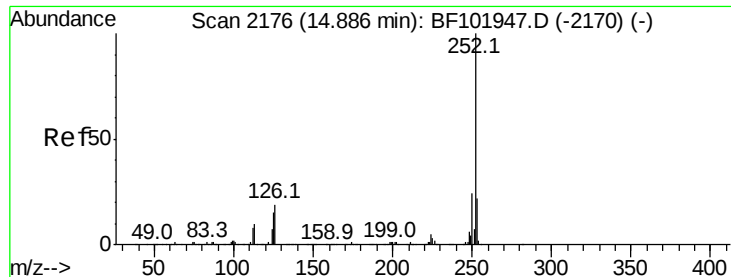
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. -0.01 min
Lab File: BF102068.D
Acq: 15 Jan 2018 17:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.3	17.5	26.3





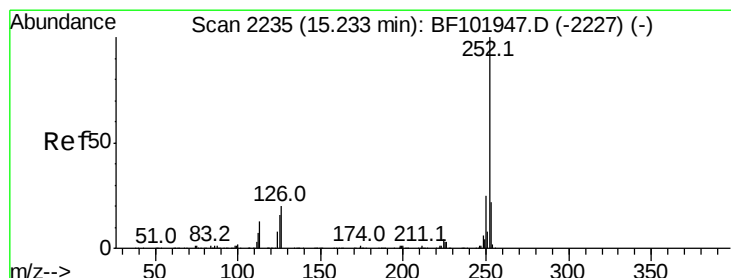
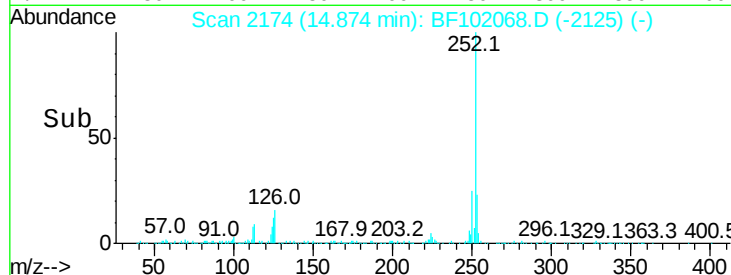
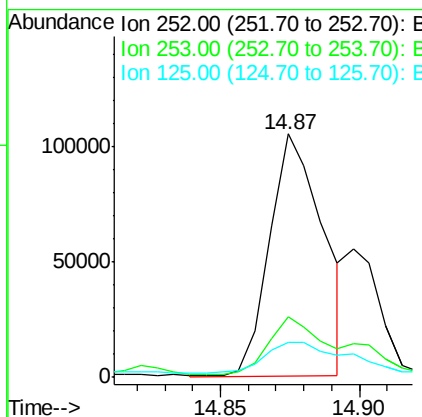
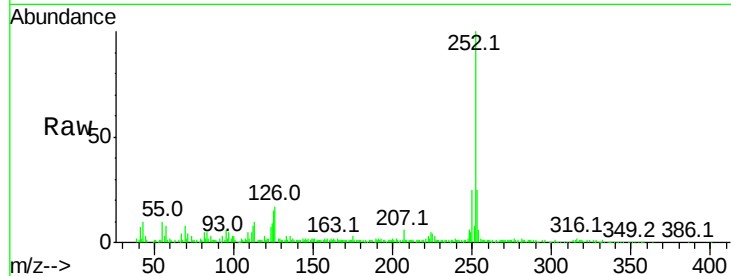
#87
Benzo(b)fluoranthene
Concen: 5.616 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BF102068.D
Acq: 15 Jan 2018 17:41

Instrument :
BNA_F
ClientSampleId :
OK-02-011218

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.0	25.6
125	14.6	9.0	13.6

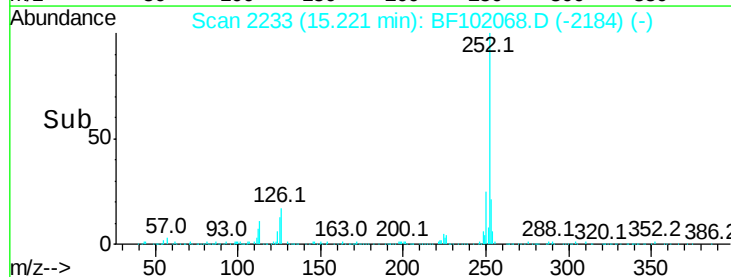
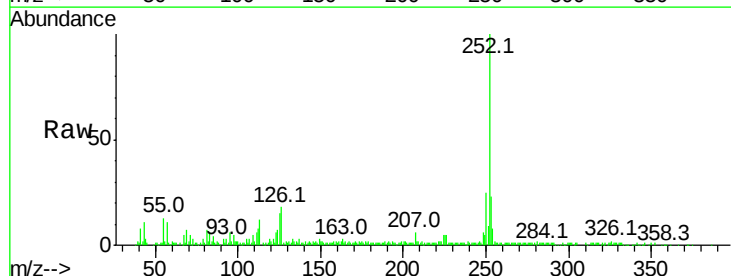
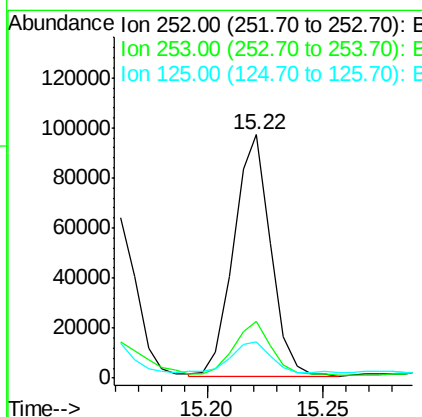
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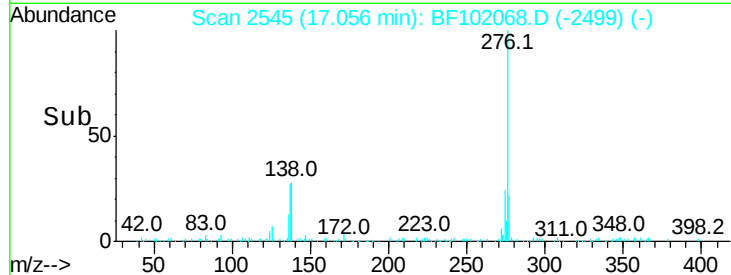
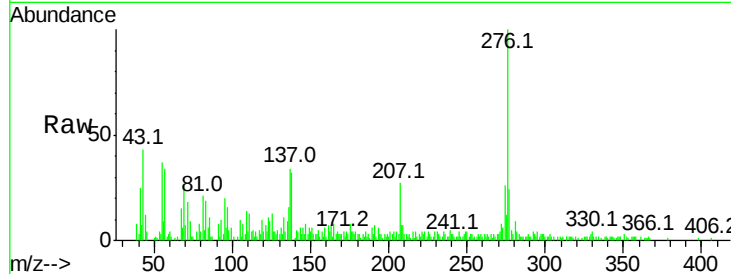
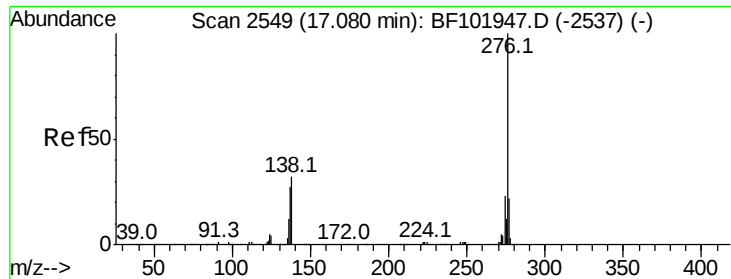
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#89
Benzo(a)pyrene
Concen: 4.733 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF102068.D
Acq: 15 Jan 2018 17:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	15.1	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 2.895 ng
 RT: 17.06 min Scan# 2545
 Delta R.T. -0.03 min
 Lab File: BF102068.D
 Acq: 15 Jan 2018 17:41

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-011218

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.9	26.9
138	32.2	21.8	32.8

Manual Integrations
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