

Data Path : U:\HPCHEM1\BNA F\DATA\BF011818\
 Data File : BF102198.D
 Acq On : 18 Jan 2018 18:19
 Operator : SJ/JU
 Sample : J1023-03 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-011718

Manual Integrations
 APPROVED

Sohil
 1/19/2018 9:47:27 AM

Quant Time: Jan 19 01:04:57 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 17 15:28:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	158362	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	635755	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	263745	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	391547	20.00	ng	0.00
75) Chrysene-d12	13.87	240	271161	20.00	ng	0.00
86) Perylene-d12	15.29	264	262782	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	503202	44.87	ng	0.00
7) Phenol-d6	6.35	99	596162	44.55	ng	0.00
23) Nitrobenzene-d5	7.28	82	362330	33.49	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	110463	47.99	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	659671	39.08	ng	-0.01
78) Terphenyl-d14	12.83	244	440739	33.75	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.47	163	94406	4.462	ng	Qvalue 100
57) Fluorene	10.30	166	50101	3.033	ng	99
70) Phenanthrene	11.26	178	397606	17.384	ng	99
71) Anthracene	11.31	178	129138	5.567	ng	97
74) Fluoranthene	12.46	202	428661	19.049	ng	99
77) Pyrene	12.69	202	579698	24.185	ng	98
80) Benzo(a)anthracene	13.86	228	271123	15.671	ng	95
82) Chrysene	13.90	228	212820	11.797	ng	98
85) Indeno(1,2,3-cd)pyrene	16.67	276	114371	8.711	ng	94
87) Benzo(b)fluoranthene	14.89	252	309533m	18.065	ng	
88) Benzo(k)fluoranthene	14.91	252	77072m	4.663	ng	
89) Benzo(a)pyrene	15.23	252	217196	14.087	ng	# 96
90) Dibenzo(a,h)anthracene	16.67	278	28560	2.321	ng	# 82
91) Benzo(g,h,i)perylene	17.08	276	108676	8.768	ng	97

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

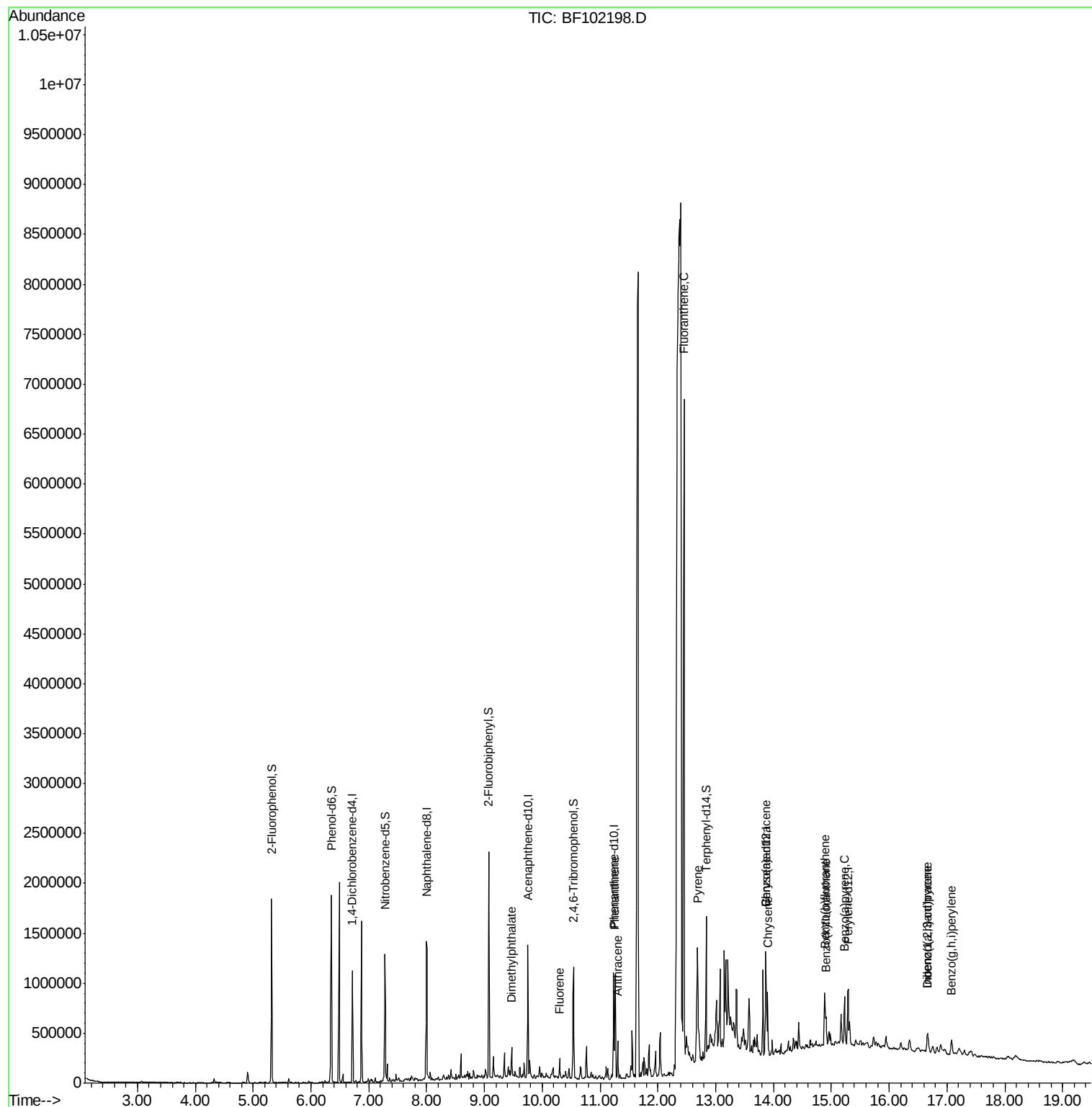
Data Path : U:\HPCHEM1\BNA F\DATA\BF011818\
Data File : BF102198.D
Acq On : 18 Jan 2018 18:19
Operator : SJ/JU
Sample : J1023-03 2X
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#1

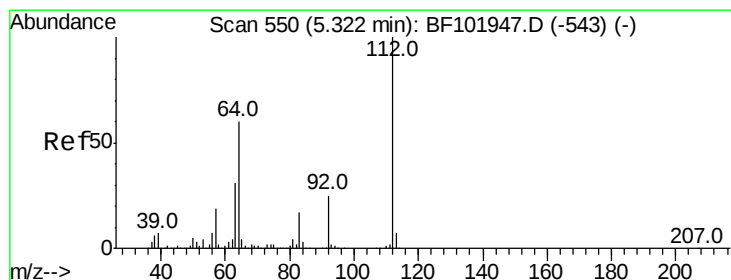
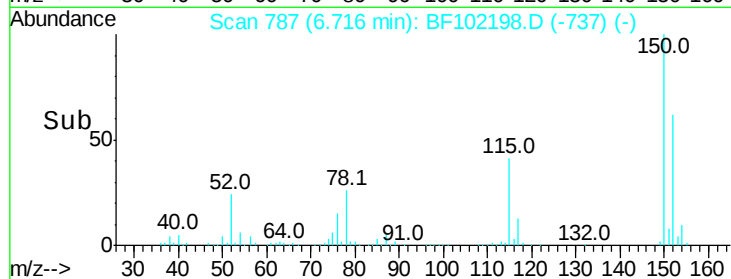
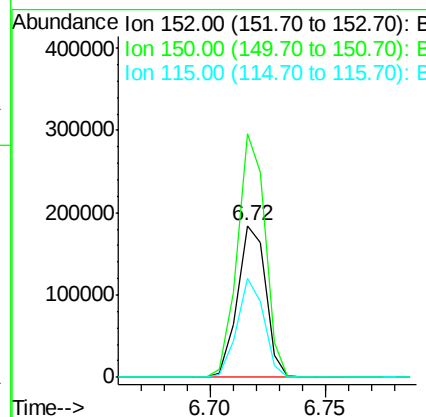
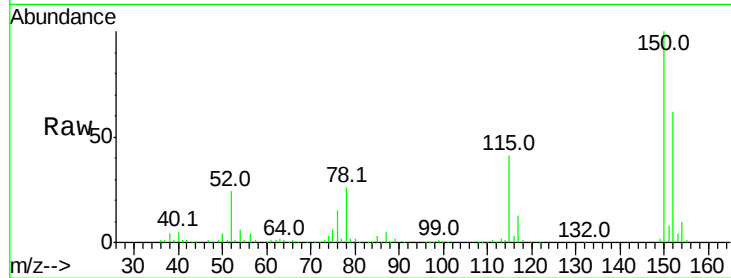
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF102198.D
Acq: 18 Jan 2018 18:19

Instrument :
BNA_F
ClientSampleId :
TR-04-011718

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.2	124.6	186.8
115	65.0	50.1	75.1

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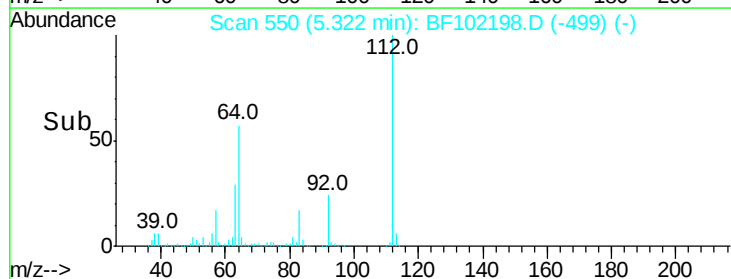
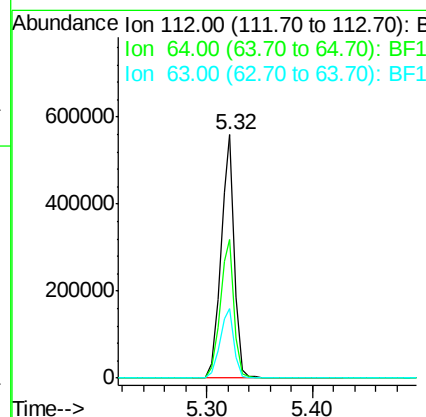
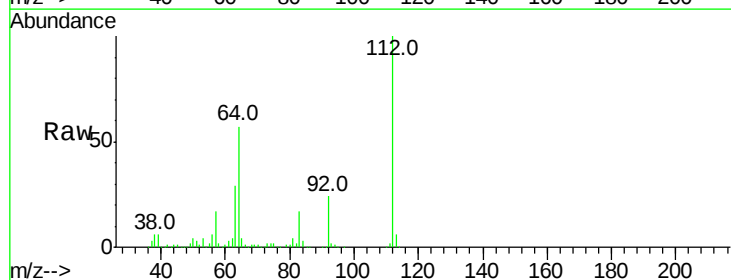
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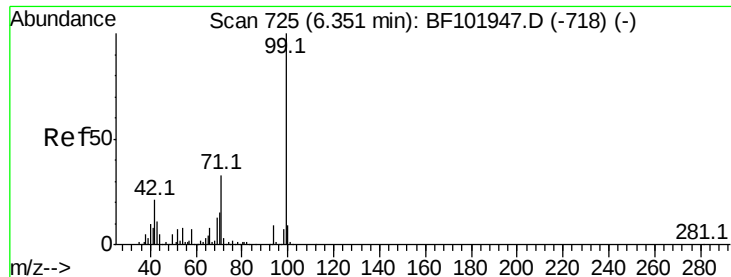


#5

2-Fluorophenol
Concen: 44.870 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.00 min
Lab File: BF102198.D
Acq: 18 Jan 2018 18:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	47.9	71.9
63	28.6	23.7	35.5





#7

Phenol-d6

Concen: 44.555 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF102198.D

Acq: 18 Jan 2018 18:19

Instrument :

BNA_F

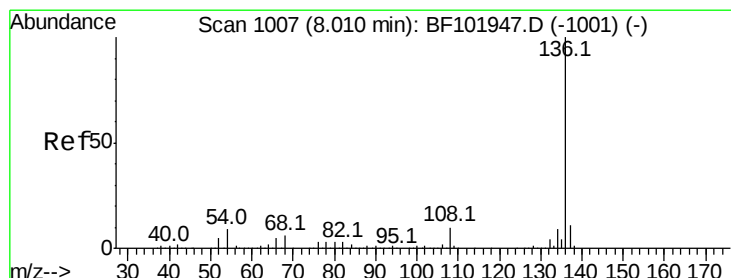
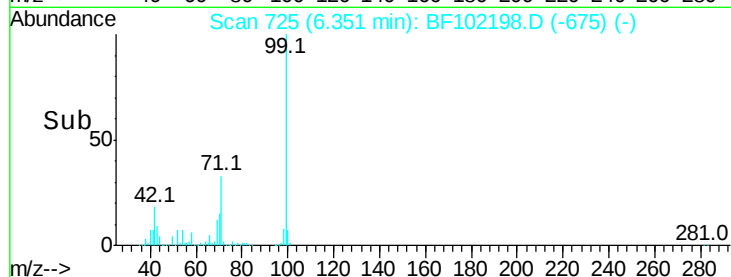
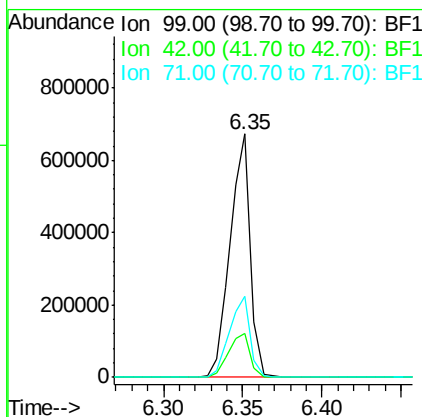
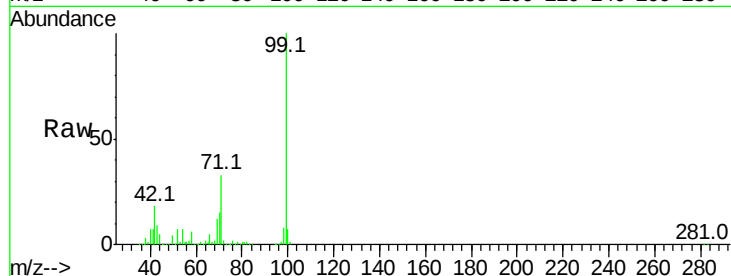
ClientSampleId :

TR-04-011718

Tot Ion	99	Resp	596162
Ion Ratio	Lower	Upper	
99	100		
42	17.9	14.5	21.7
71	33.3	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

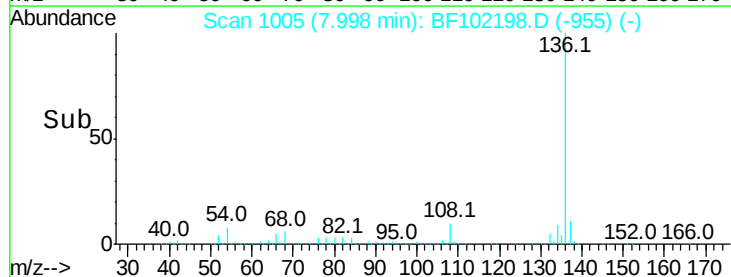
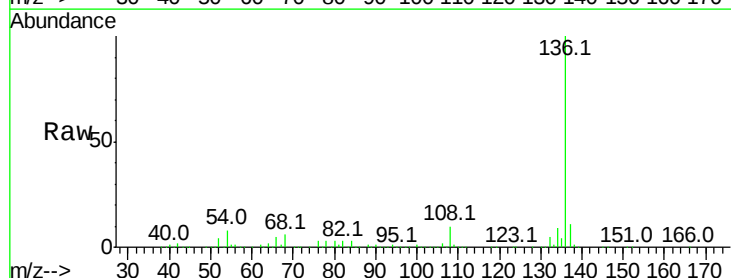
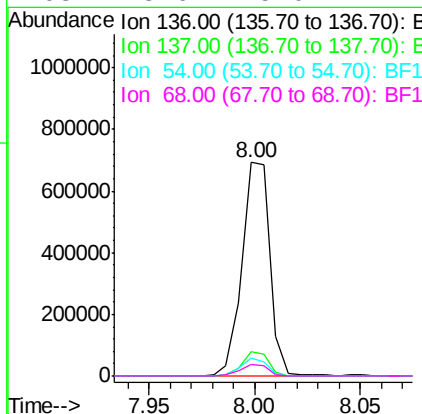
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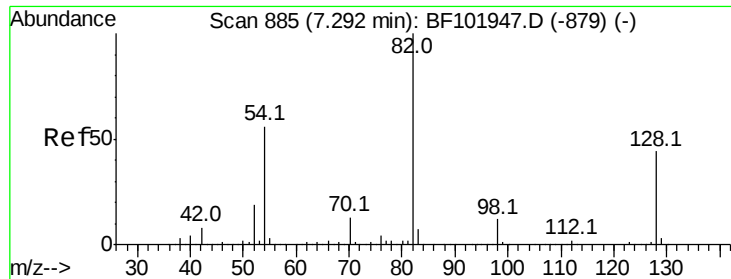
Delta R.T. -0.01 min

Lab File: BF102198.D

Acq: 18 Jan 2018 18:19

Tgt Ion	136	Resp	635755
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	8.5	6.6	9.8
68	5.6	5.0	7.4





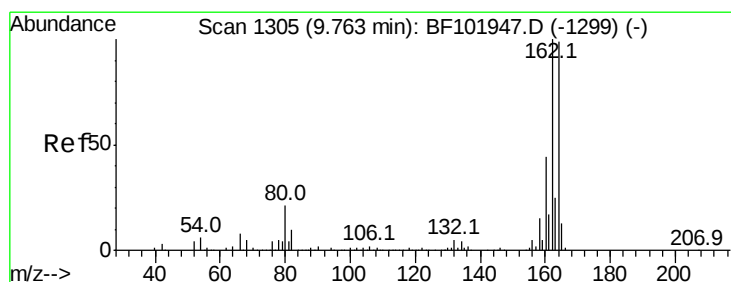
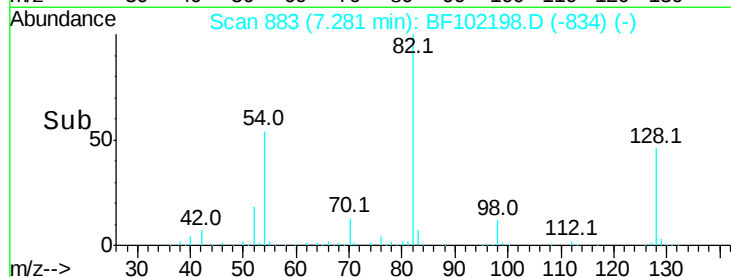
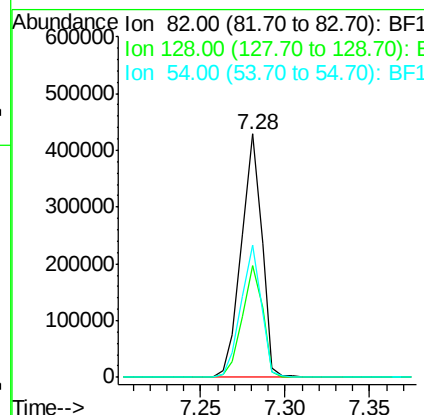
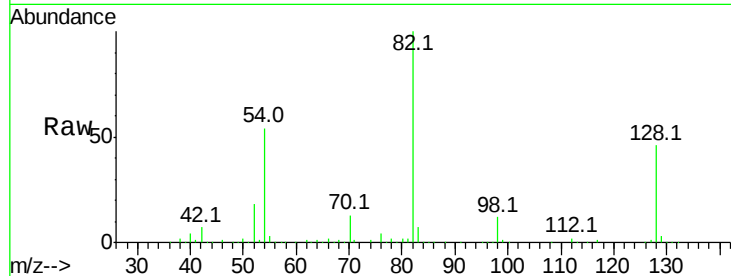
#23
Nitrobenzene-d5
Concen: 33.491 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102198.D
Acq: 18 Jan 2018 18:19

Instrument :
BNA_F
ClientSampleId :
TR-04-011718

Tot Ion	Ratio	Resp	Lower	Upper
82	100	362330		
128	46.0	36.1	54.1	
54	54.2	41.4	62.2	

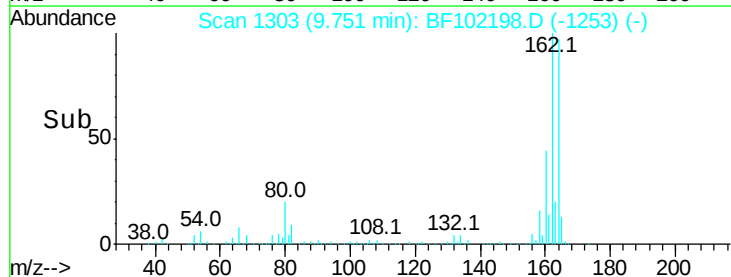
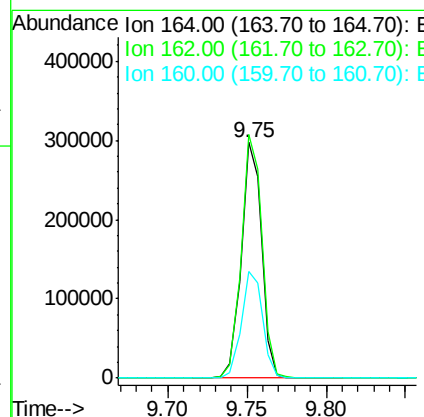
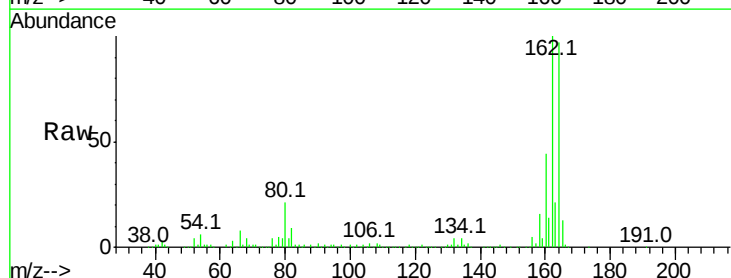
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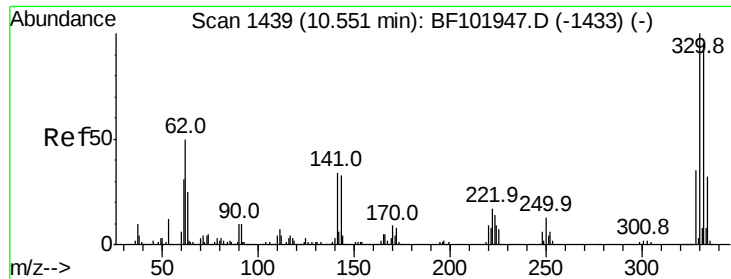
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF102198.D
Acq: 18 Jan 2018 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	263745		
162	103.4	86.1	129.1	
160	45.1	38.3	57.5	





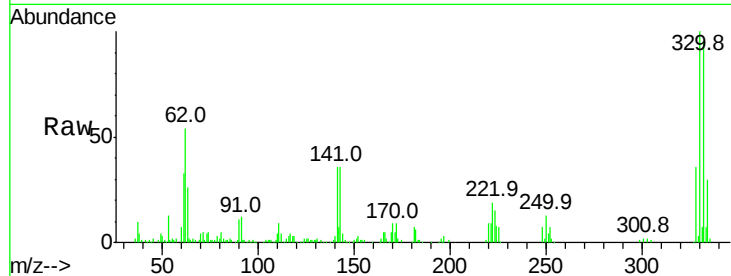
#41
 2,4,6-Tribromophenol
 Concen: 47.993 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102198.D
 Acq: 18 Jan 2018 18:19

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-011718

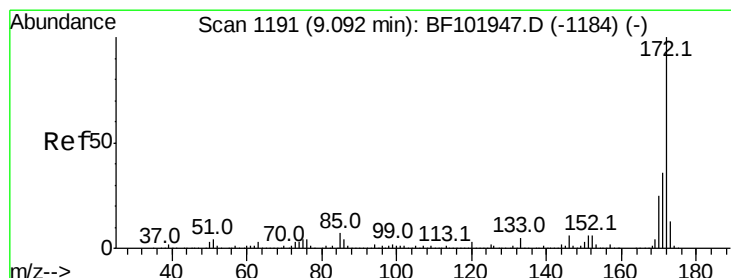
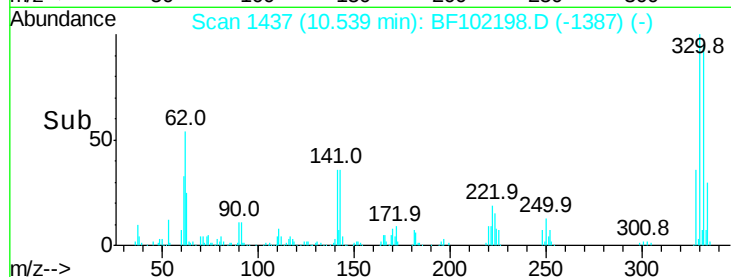
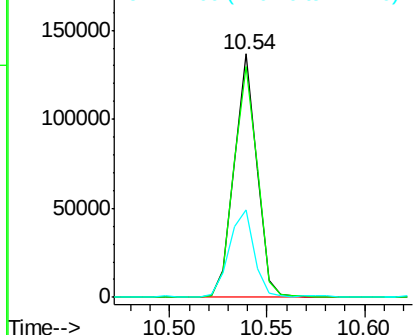
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.4	77.0	115.6	
141	38.8	29.9	44.9	

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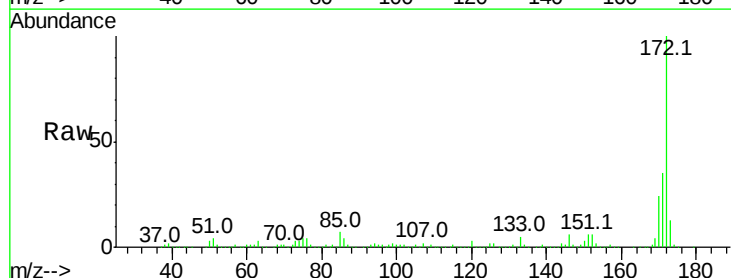


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

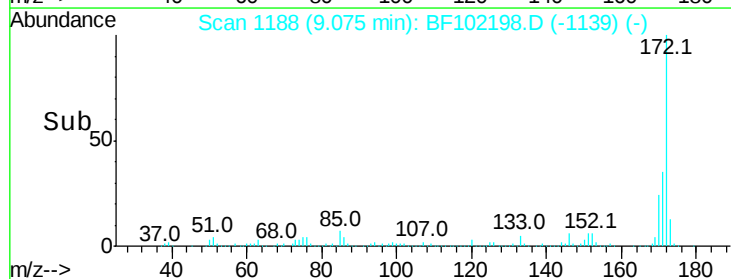
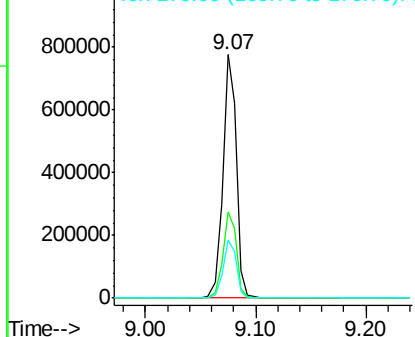


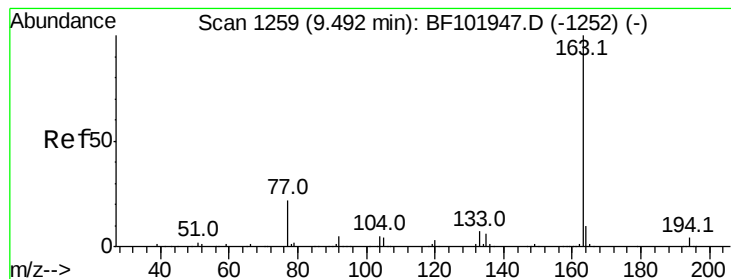
#44
 2-Fluorobiphenyl
 Concen: 39.075 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF102198.D
 Acq: 18 Jan 2018 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.3	29.7	44.5	
170	23.9	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





#49

Dimethylphthalate

Concen: 4.462 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.02 min

Lab File: BF102198.D

Acq: 18 Jan 2018 18:19

Instrument :

BNA_F

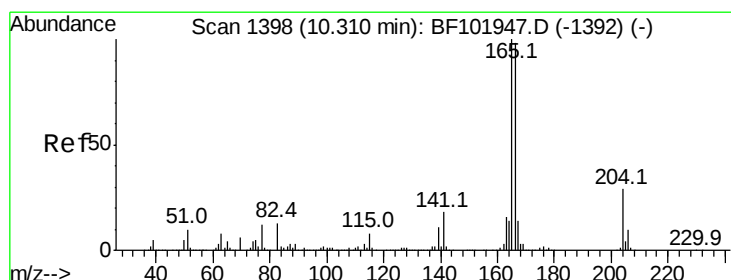
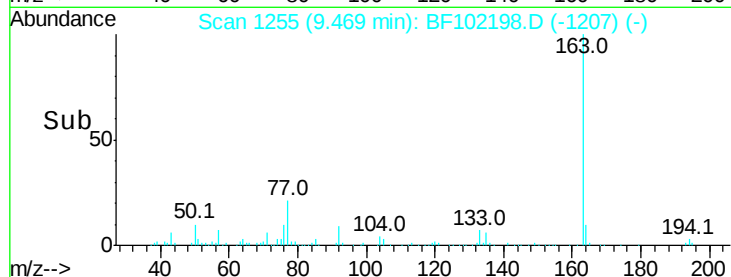
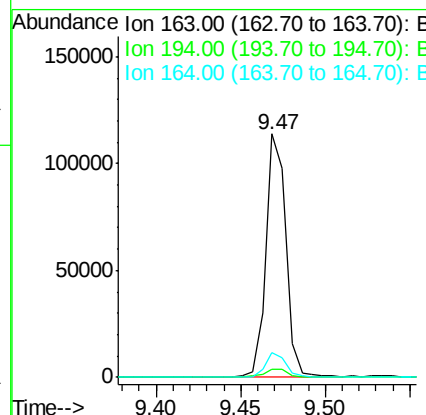
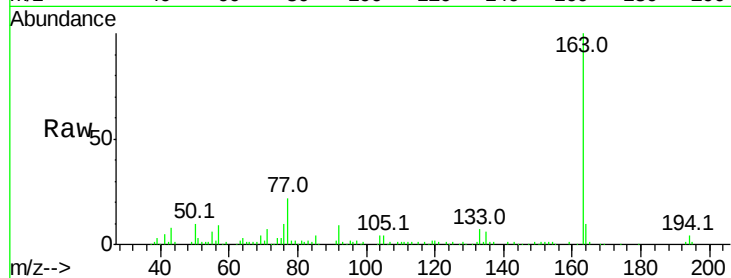
ClientSampleId :

TR-04-011718

Tot Ion:	163	Resp:	94406
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.7	4.1
164	10.0	8.2	12.2

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#57

Fluorene

Concen: 3.033 ng

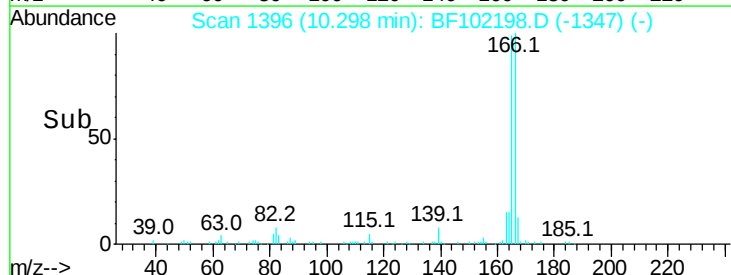
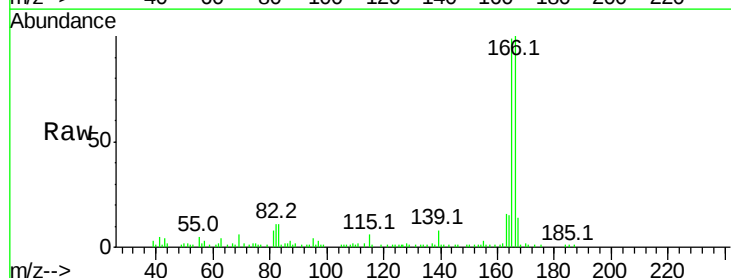
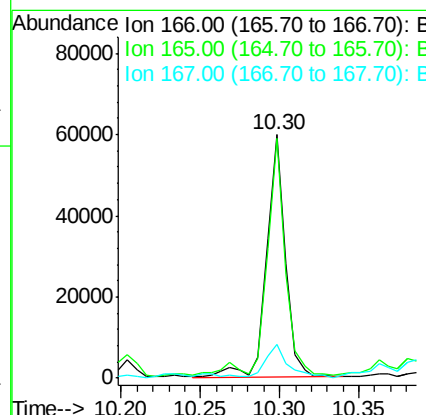
RT: 10.30 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF102198.D

Acq: 18 Jan 2018 18:19

Tgt Ion:	166	Resp:	50101
Ion Ratio	Lower	Upper	
166	100		
165	98.6	79.8	119.8
167	13.8	10.6	16.0





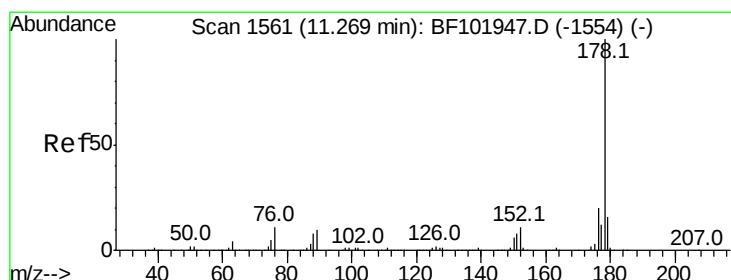
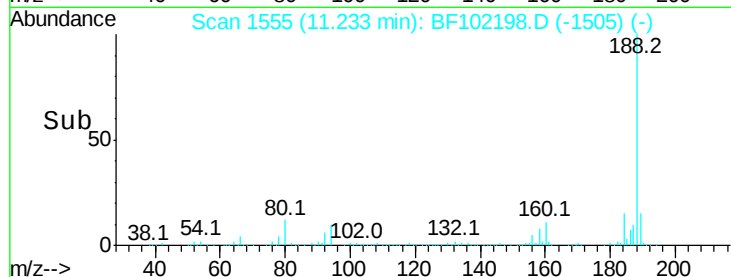
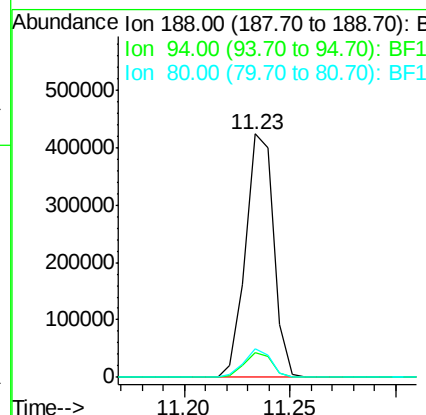
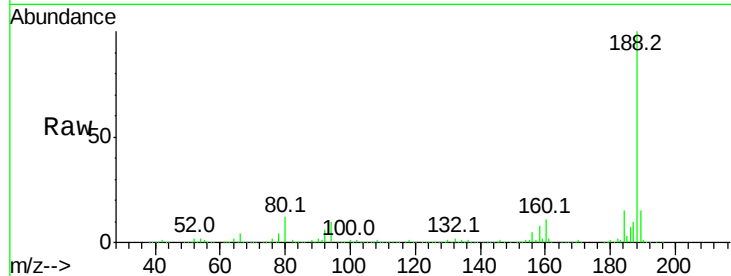
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102198.D
Acq: 18 Jan 2018 18:19

Instrument :
BNA_F
ClientSampleId :
TR-04-011718

Tot Ion	Ratio	Resp	Lower	Upper
188	100	391547		
94	10.1		8.5	12.7
80	11.9		9.2	13.8

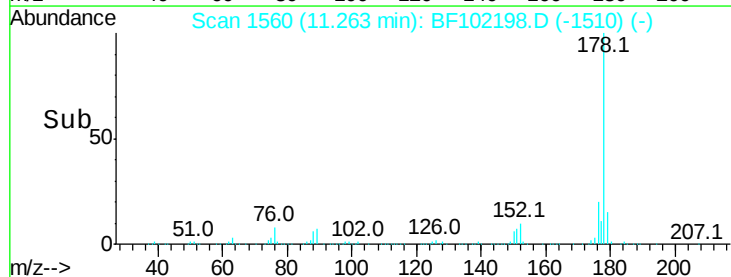
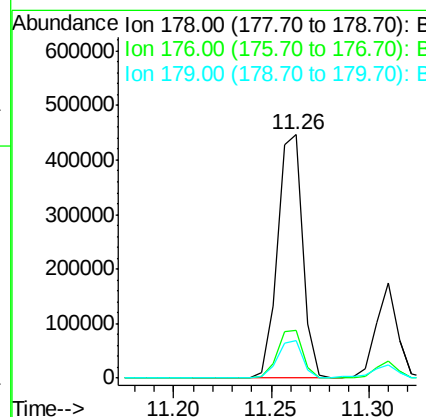
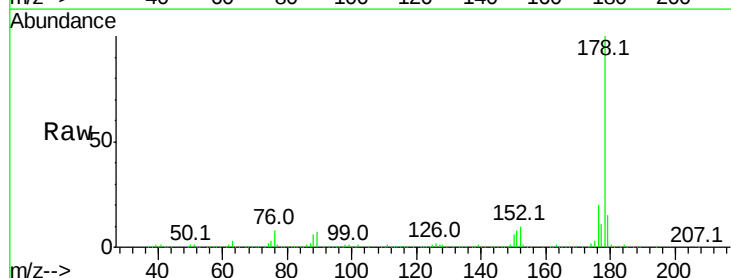
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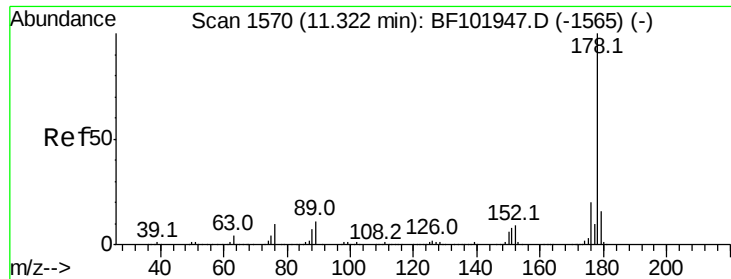
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#70
Phenanthrene
Concen: 17.384 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF102198.D
Acq: 18 Jan 2018 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	397606		
176	19.7		15.8	23.8
179	15.2		13.0	19.6





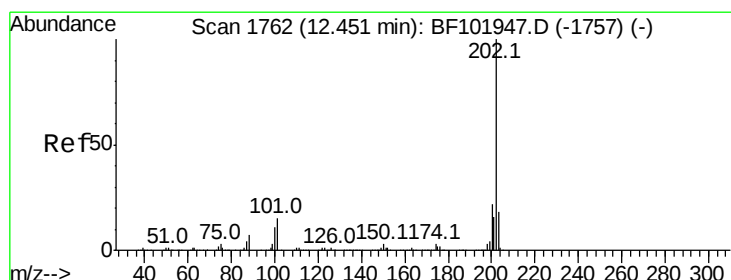
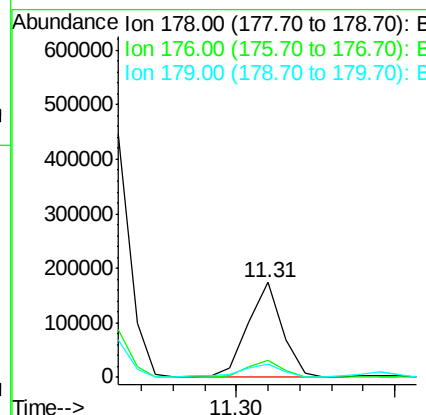
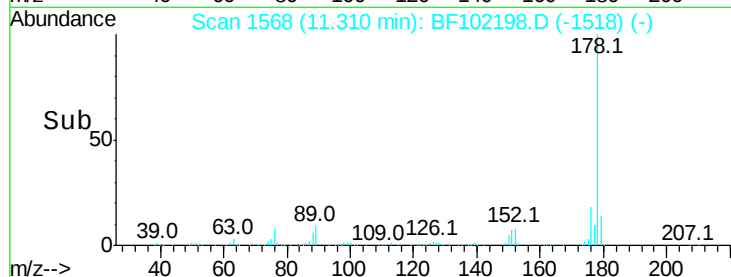
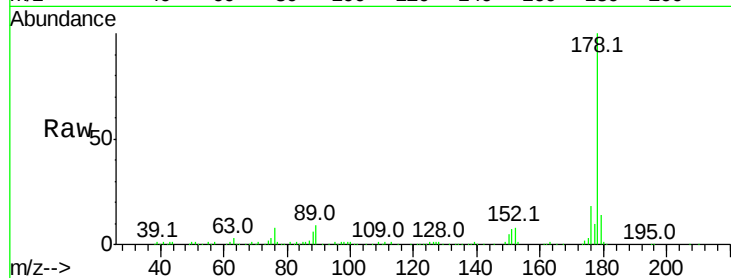
#71
 Anthracene
 Concen: 5.567 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF102198.D
 Acq: 18 Jan 2018 18:19

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-011718

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	14.3	12.6	19.0

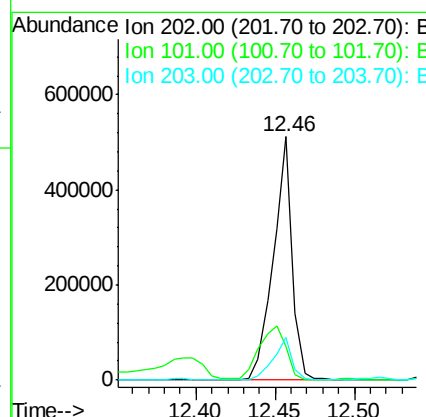
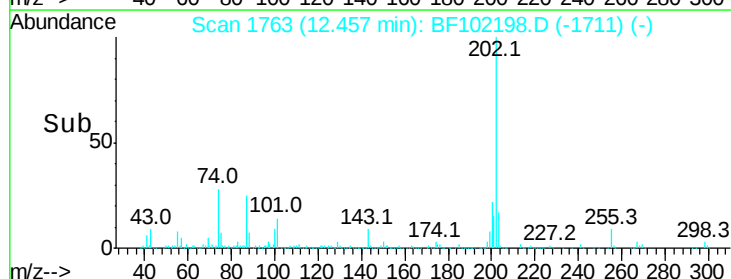
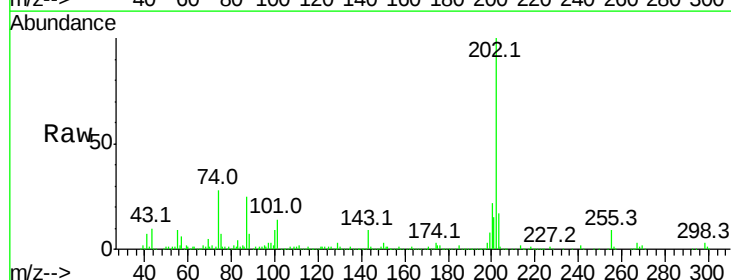
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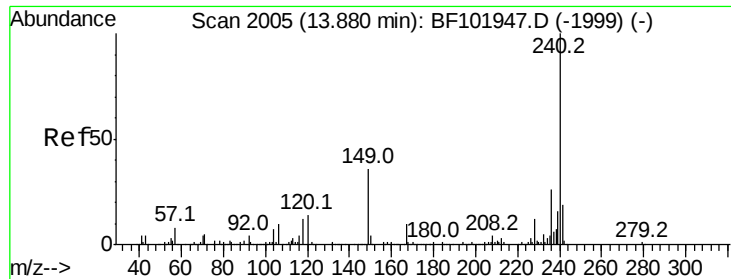
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#74
 Fluoranthene
 Concen: 19.049 ng
 RT: 12.46 min Scan# 1763
 Delta R.T. 0.01 min
 Lab File: BF102198.D
 Acq: 18 Jan 2018 18:19

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	34.1
203	17.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF102198.D

Acq: 18 Jan 2018 18:19

Instrument :

BNA_F

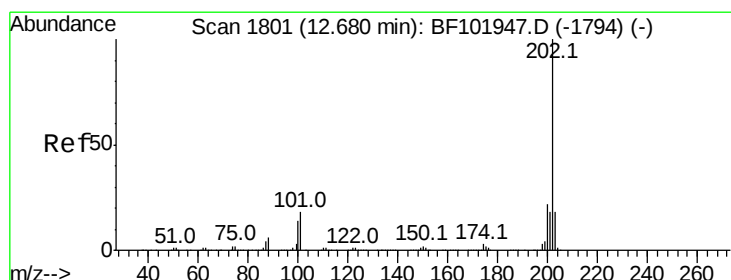
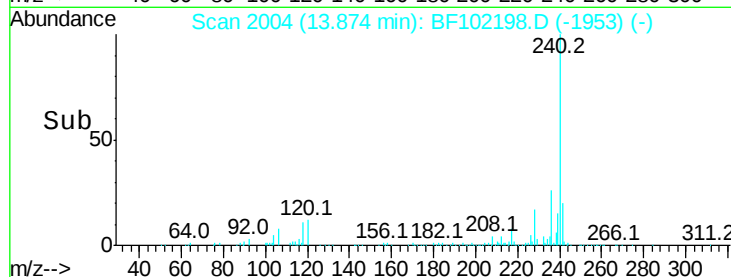
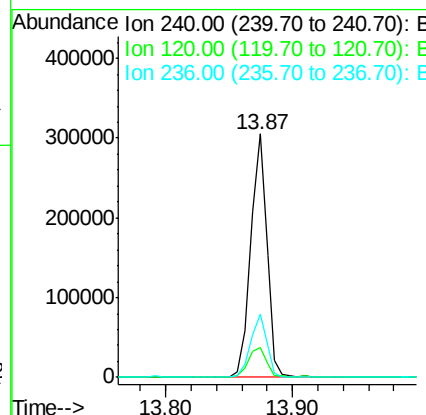
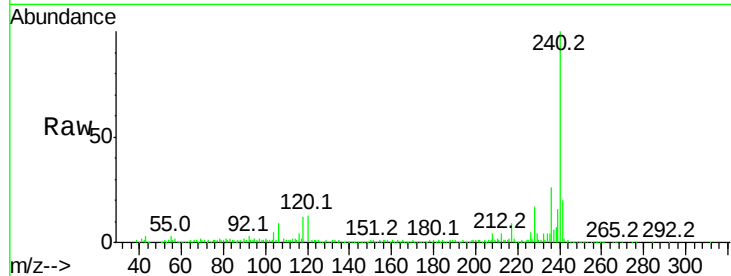
ClientSampleId :

TR-04-011718

Tot Ion:	240	Resp:	271161
Ion Ratio	Lower	Upper	
240	100		
120	12.5	9.5	14.3
236	26.1	20.7	31.1

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#77

Pyrene

Concen: 24.185 ng

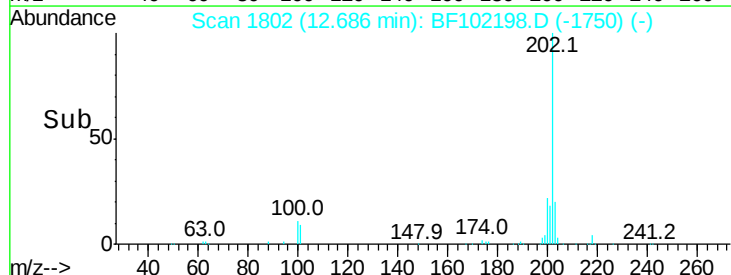
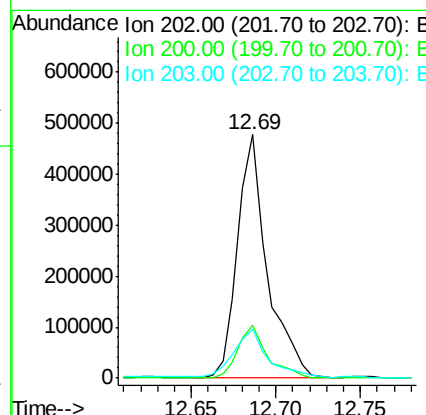
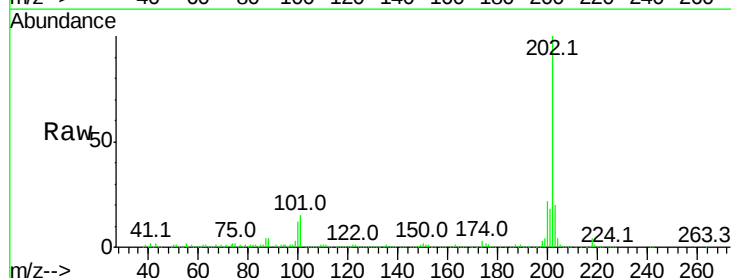
RT: 12.69 min Scan# 1802

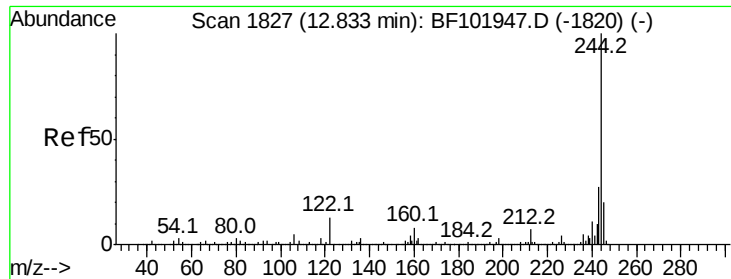
Delta R.T. 0.01 min

Lab File: BF102198.D

Acq: 18 Jan 2018 18:19

Tgt Ion:	202	Resp:	579698
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.4	26.2
203	20.1	14.3	21.5





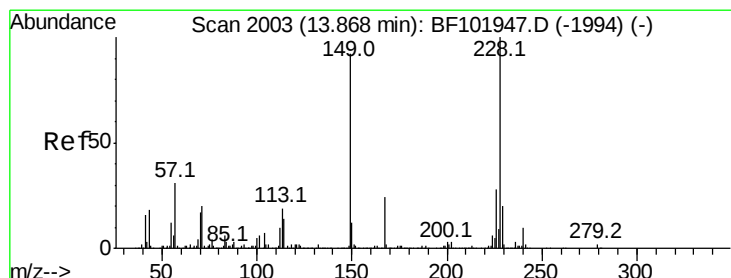
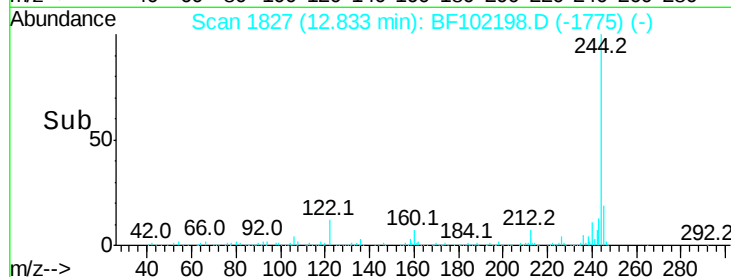
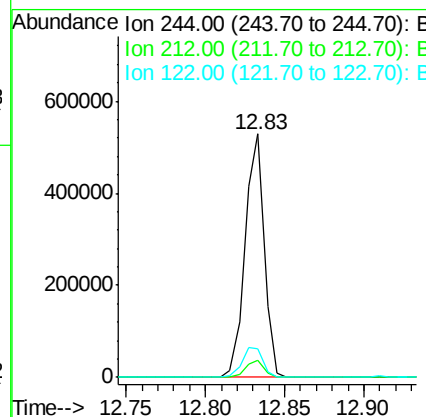
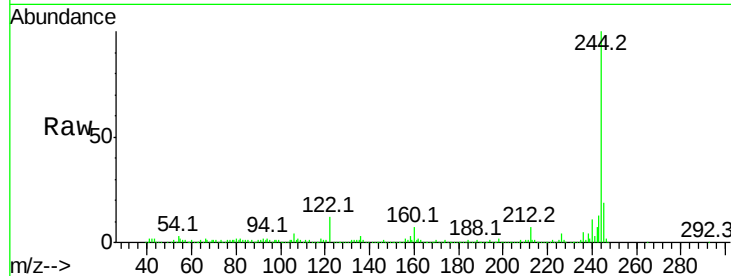
#78
 Terphenyl-d14
 Concen: 33.747 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: BF102198.D
 Acq: 18 Jan 2018 18:19

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-011718

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	11.8	11.0	16.4

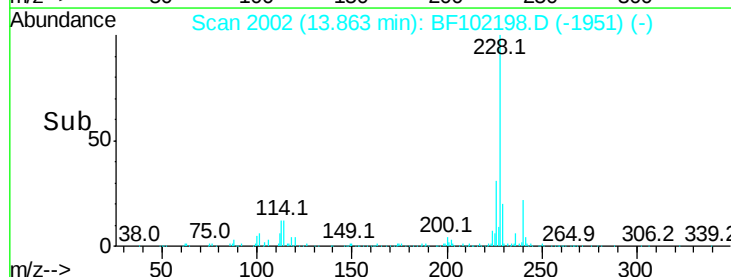
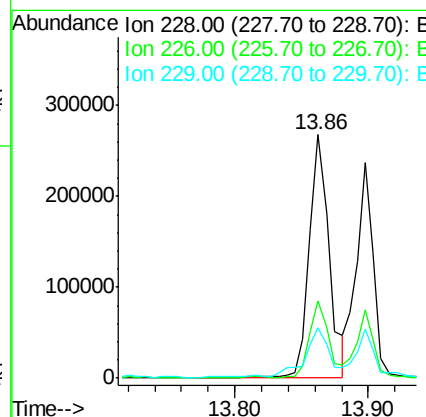
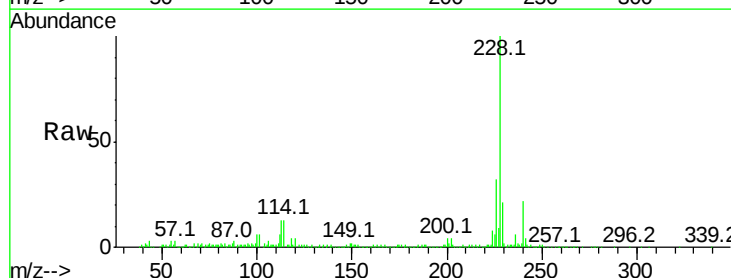
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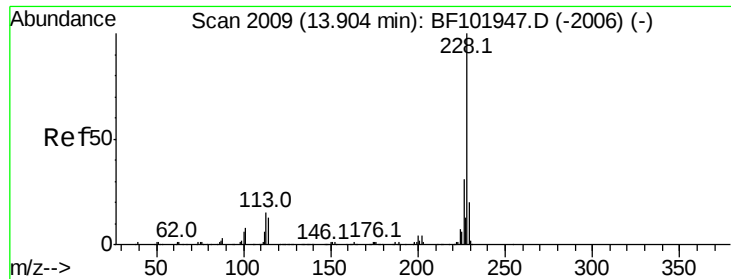
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#80
 Benzo(a)anthracene
 Concen: 15.671 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: BF102198.D
 Acq: 18 Jan 2018 18:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	22.6	33.8
229	20.6	15.8	23.6





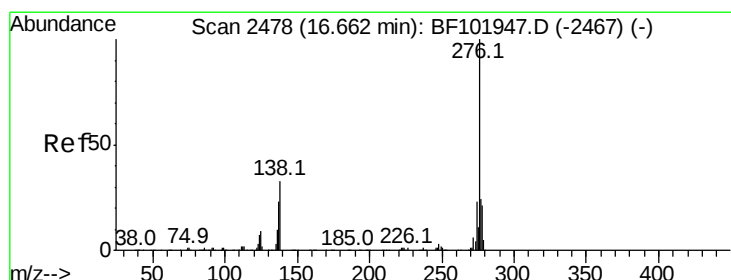
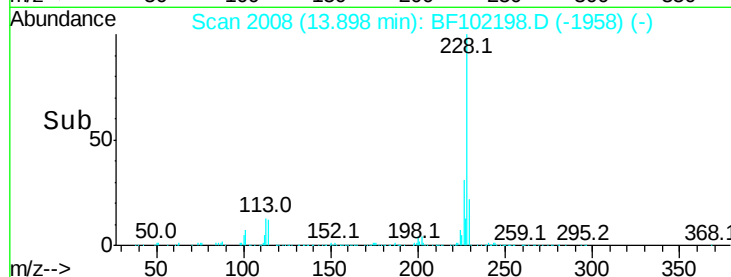
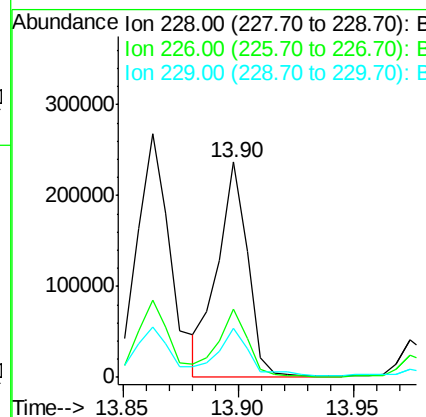
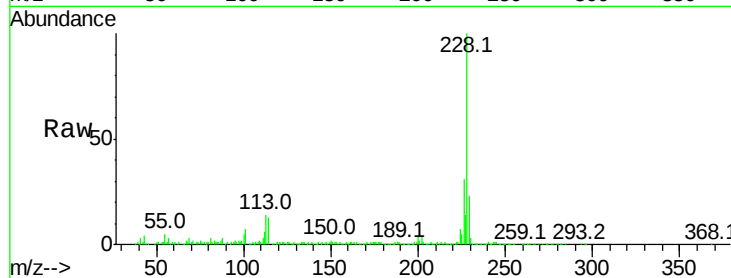
#82
Chrysene
Concen: 11.797 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102198.D
Acq: 18 Jan 2018 18:19

Instrument :
BNA_F
ClientSampleId :
TR-04-011718

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.0	37.6
229	22.8	16.2	24.4

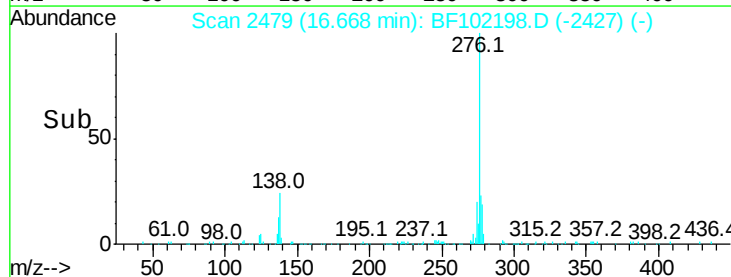
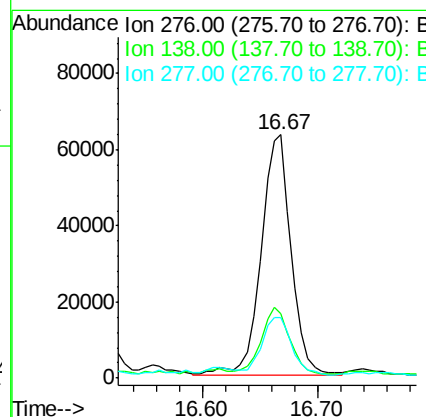
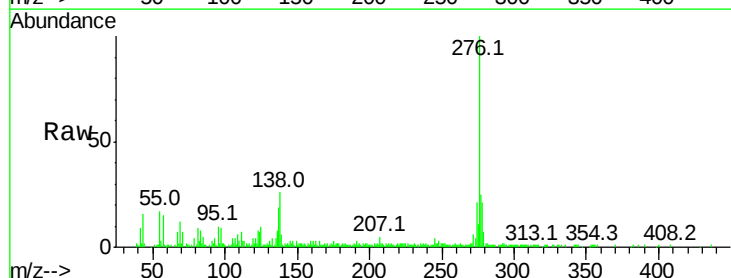
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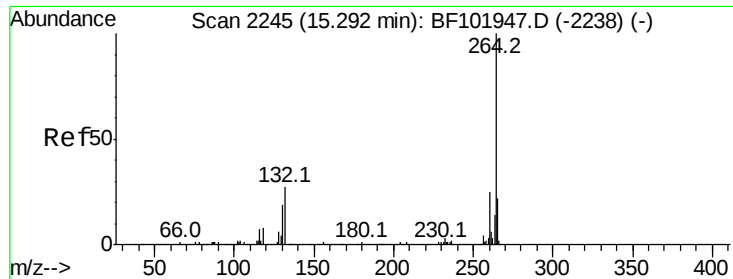
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#85
Indeno(1,2,3-cd)pyrene
Concen: 8.711 ng
RT: 16.67 min Scan# 2479
Delta R.T. 0.01 min
Lab File: BF102198.D
Acq: 18 Jan 2018 18:19

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.7	25.0	37.6
277	24.1	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2245

Delta R.T. 0.01 min

Lab File: BF102198.D

Acq: 18 Jan 2018 18:19

Instrument :

BNA_F

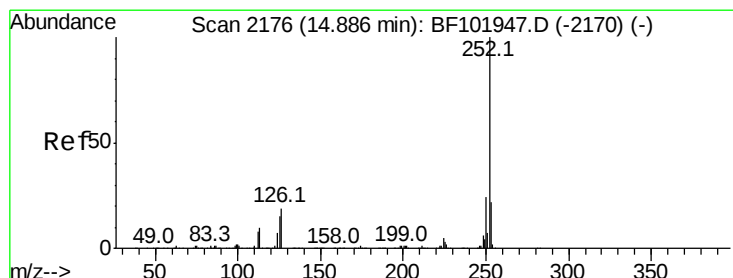
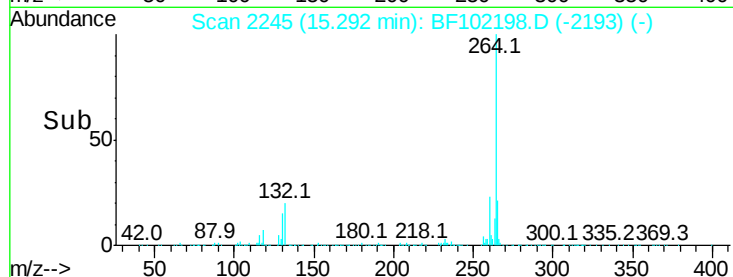
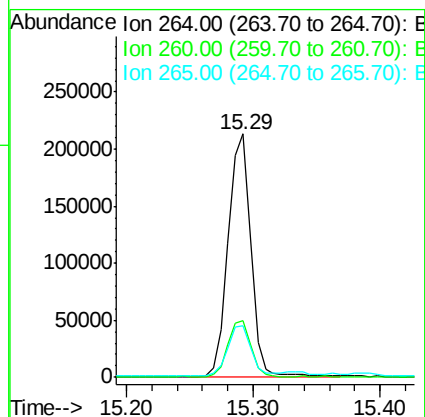
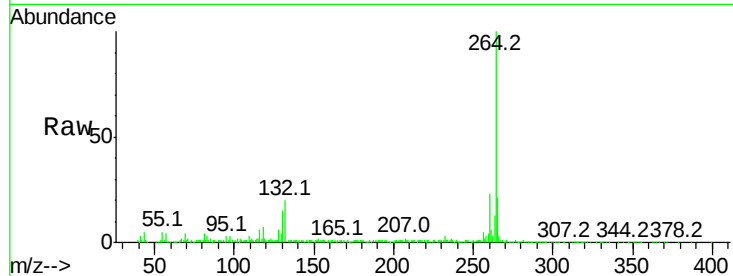
ClientSampleId :

TR-04-011718

Tot Ion:	264	Resp:	262782
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.2	28.8
265	21.0	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 18.065 ng m

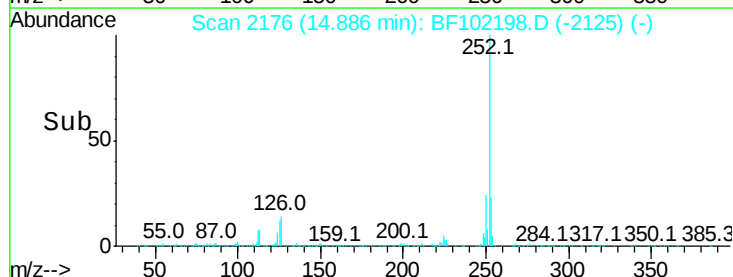
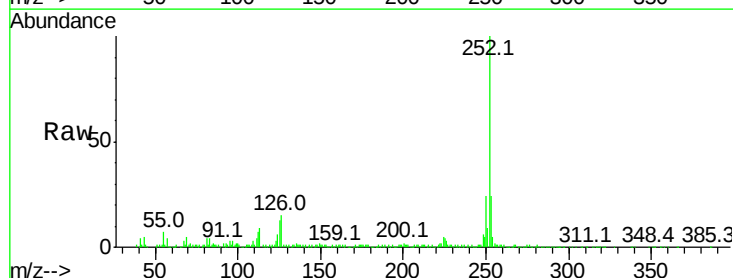
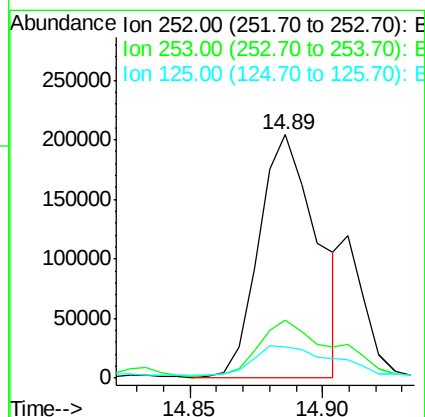
RT: 14.89 min Scan# 2176

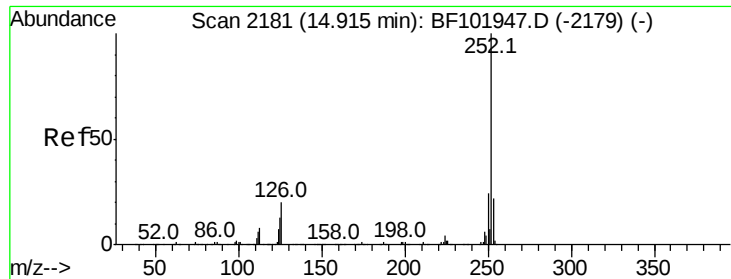
Delta R.T. -0.00 min

Lab File: BF102198.D

Acq: 18 Jan 2018 18:19

Tgt Ion:	252	Resp:	309533
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.0	25.6
125	12.8	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 4.663 ng

RT: 14.91 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BF102198.D

Acq: 18 Jan 2018 18:19

Instrument :

BNA_F

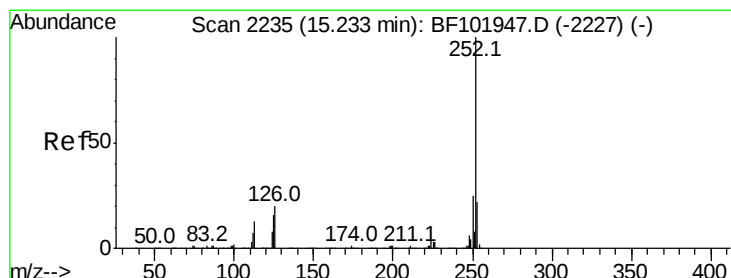
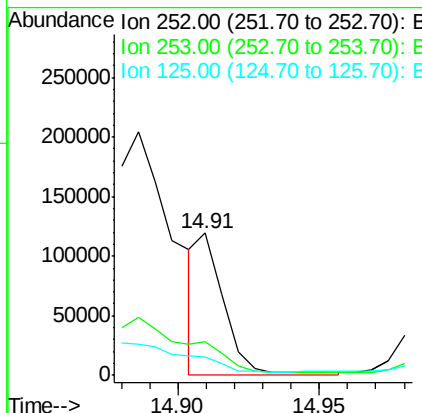
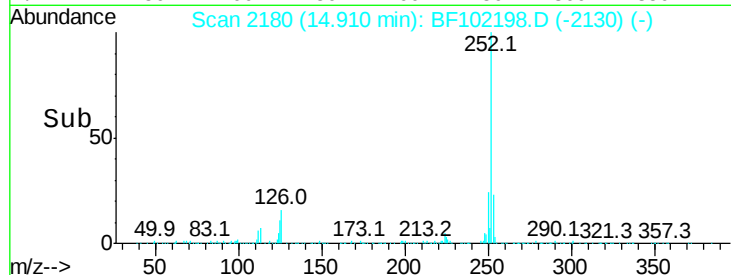
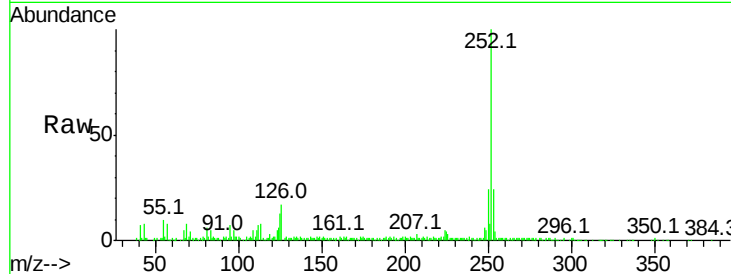
ClientSampleId :

TR-04-011718

Tot Ion:	252	Resp:	77072
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.9	26.9
125	12.7	10.2	15.2

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#89

Benzo(a)pyrene

Concen: 14.087 ng

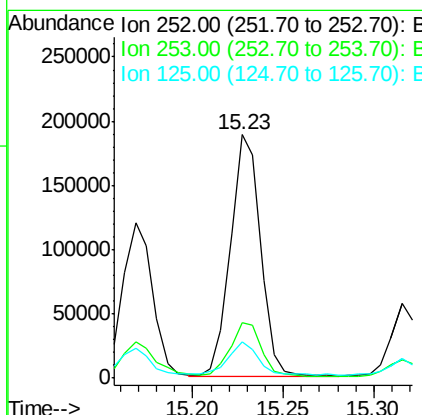
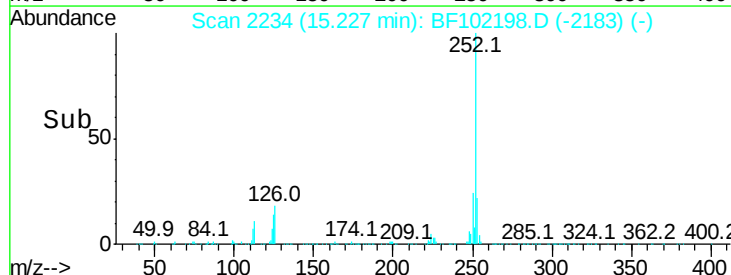
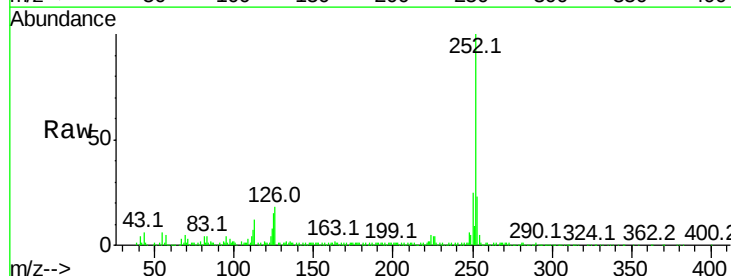
RT: 15.23 min Scan# 2234

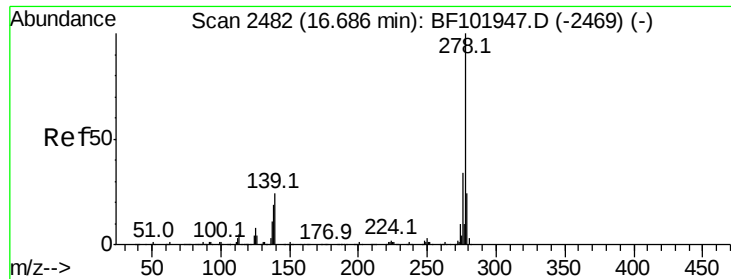
Delta R.T. -0.00 min

Lab File: BF102198.D

Acq: 18 Jan 2018 18:19

Tgt Ion:	252	Resp:	217196
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.1	25.7
125	14.9	9.8	14.6#





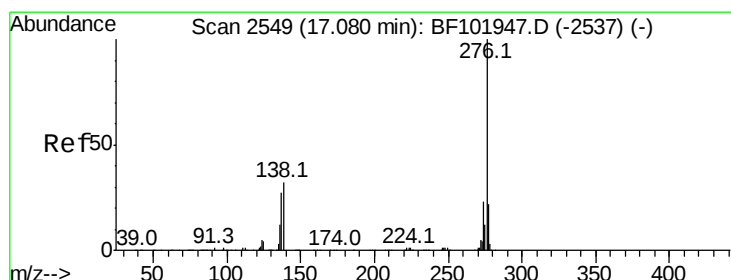
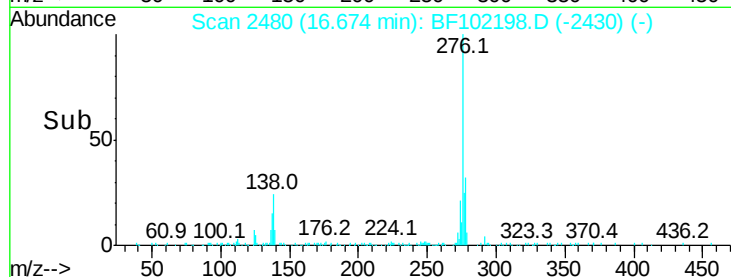
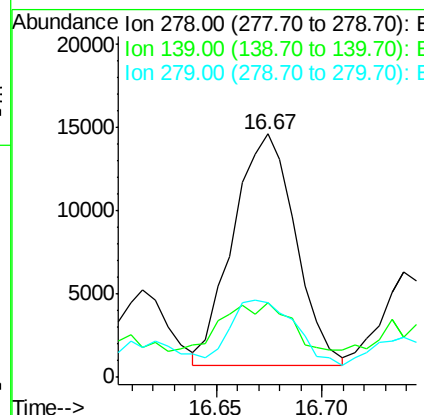
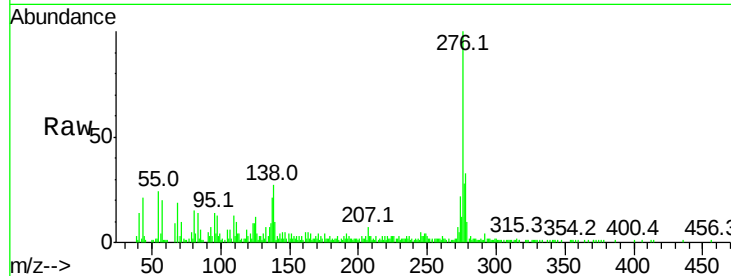
#90
Dibenzo(a,h)anthracene
Concen: 2.321 ng
RT: 16.67 min Scan# 2480
Delta R.T. -0.01 min
Lab File: BF102198.D
Acq: 18 Jan 2018 18:19

Instrument :
BNA_F
ClientSampleId :
TR-04-011718

Tot Ion	Ratio	Lower	Upper
278	100		
139	30.7	15.9	23.9#
279	30.6	19.0	28.4#

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#91
Benzo(g,h,i)perylene
Concen: 8.768 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.00 min
Lab File: BF102198.D
Acq: 18 Jan 2018 18:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	17.9	26.9
138	28.7	21.8	32.8

