

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011918\
 Data File : BF102218.D
 Acq On : 19 Jan 2018 13:18
 Operator : SJ/JU
 Sample : J1200-02 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2 SB74 E-N 8

Manual Integrations
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 1/22/2018 5:24:02 PM

Quant Time: Jan 19 14:36:11 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 19 13:31:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	128853	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	529674	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	230526	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	362342	20.00	ng	0.00
75) Chrysene-d12	13.87	240	266097	20.00	ng	0.00
86) Perylene-d12	15.29	264	231238	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	237365	26.01	ng	0.00
7) Phenol-d6	6.35	99	283937	26.08	ng	-0.02
23) Nitrobenzene-d5	7.28	82	167532	18.59	ng	-0.02
41) 2,4,6-Tribromophenol	10.55	330	53058	26.37	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	274778	18.62	ng	0.00
78) Terphenyl-d14	12.82	244	202794	15.82	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.03	128	400876	15.146	ng	99
37) 2-Methylnaphthalene	8.72	142	38385	2.203	ng	96
51) Acenaphthene	9.79	154	39602	2.602	ng	100
57) Fluorene	10.30	166	50469	3.495	ng	96
70) Phenanthrene	11.26	178	244893	11.570	ng	98
71) Anthracene	11.32	178	89145	4.153	ng	97
74) Fluoranthene	12.45	202	238228	11.440	ng	96
77) Pyrene	12.67	202	199511	8.482	ng	98
80) Benzo(a)anthracene	13.86	228	108204	6.373	ng	95
82) Chrysene	13.90	228	91738	5.182	ng	97
85) Indeno(1,2,3-cd)pyrene	16.67	276	40729	3.161	ng	98
87) Benzo(b)fluoranthene	14.89	252	110089m	7.302	ng	
88) Benzo(k)fluoranthene	14.91	252	41492m	2.853	ng	
89) Benzo(a)pyrene	15.23	252	81417	6.001	ng	98
91) Benzo(a,h,i)perylene	17.09	276	39764	3.646	ng	95

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

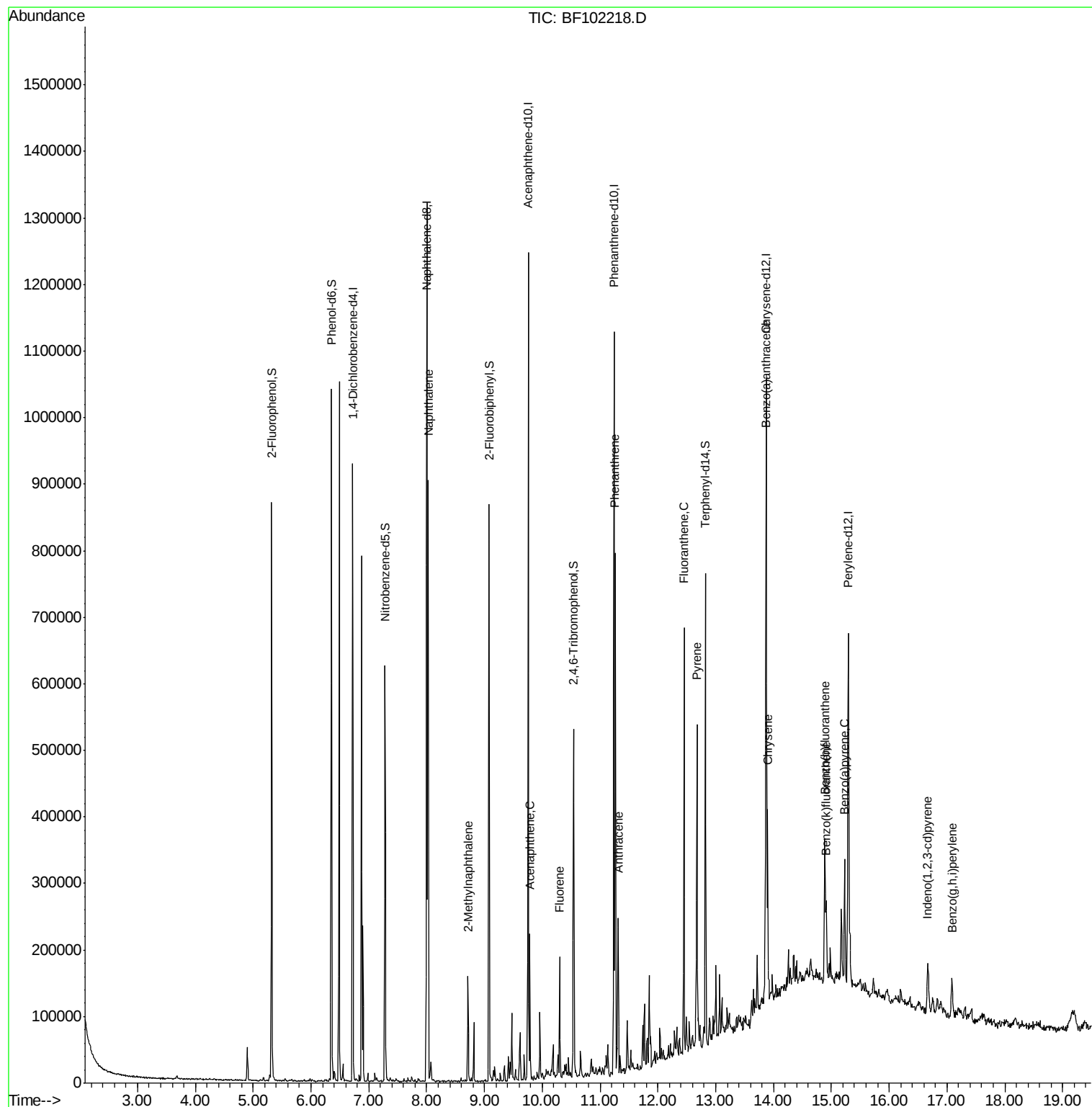
Data Path : Z:\HPCHEM1\BNA F\DATA\BF011918\
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ALS Vial : 9 Sample Multiplier: 1

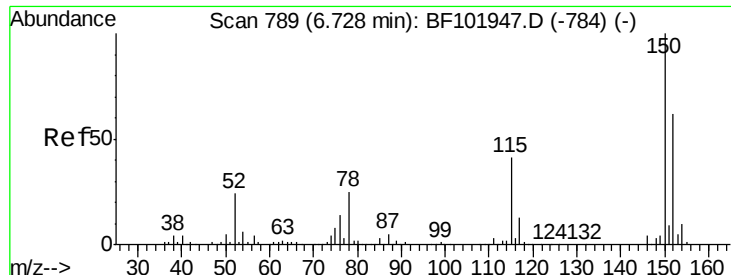
Instrument :
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#1

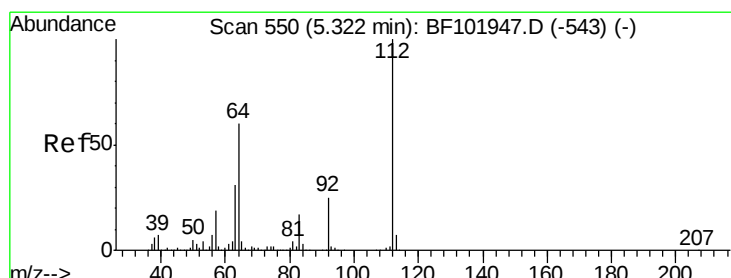
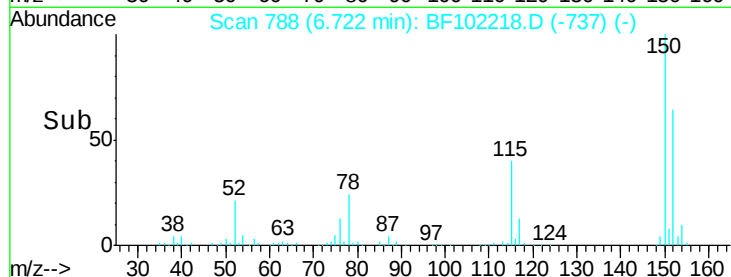
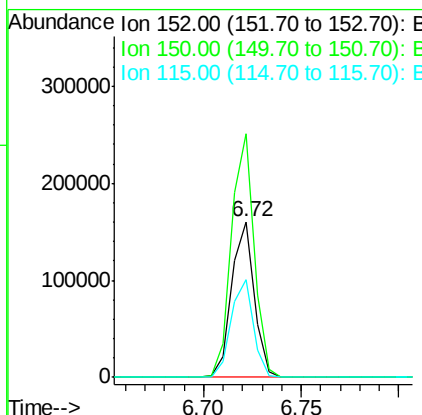
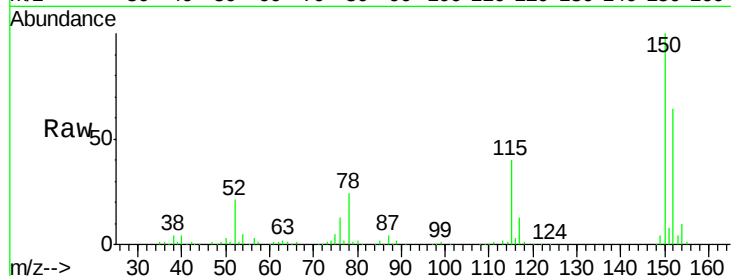
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BF102218.D
 Acq: 19 Jan 2018 13:18

Instrument :
 BNA_F
 ClientSampleId :
 A2 SB74 E-N 8

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.6	186.8
115	62.7	50.1	75.1

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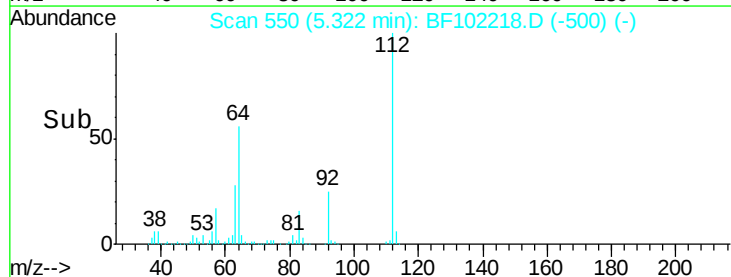
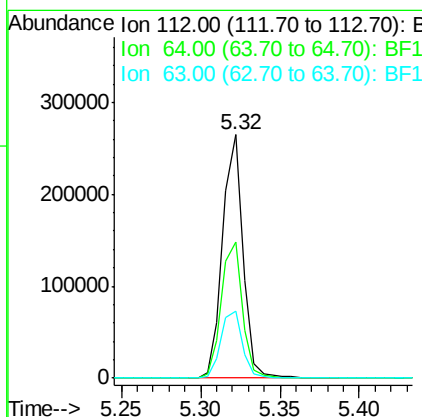
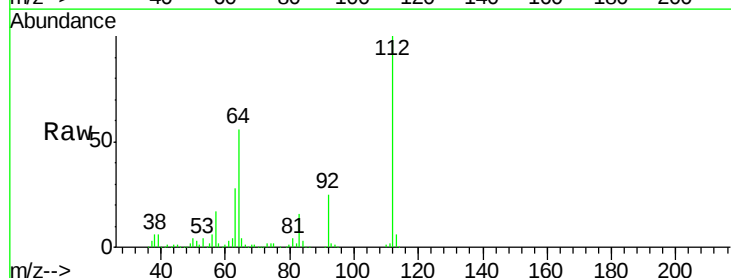
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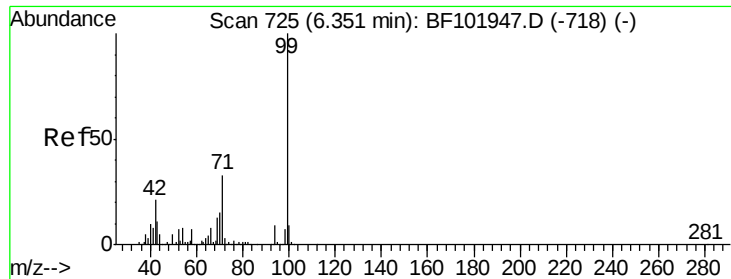


#5

2-Fluorophenol
 Concen: 26.012 ng
 RT: 5.32 min Scan# 550
 Delta R.T. -0.01 min
 Lab File: BF102218.D
 Acq: 19 Jan 2018 13:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	47.9	71.9
63	27.6	23.7	35.5





#7

Phenol-d6

Concen: 26.080 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF102218.D

Acq: 19 Jan 2018 13:18

Instrument :

BNA_F

ClientSampleId :

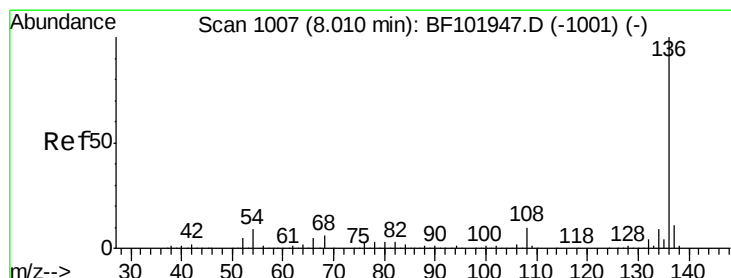
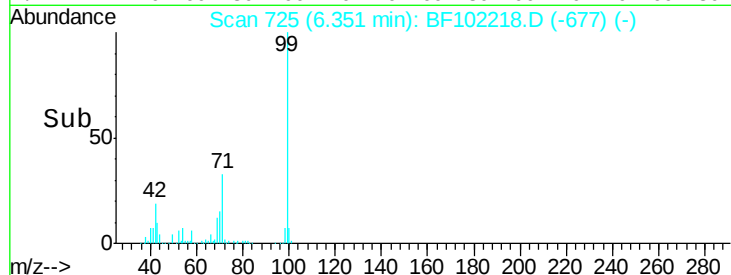
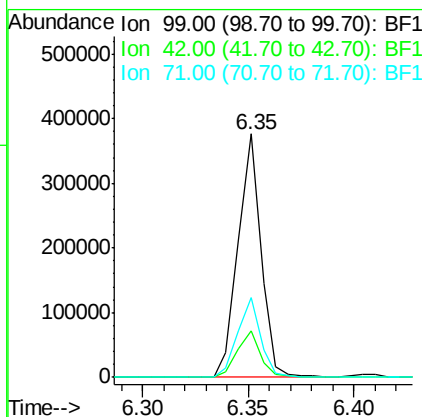
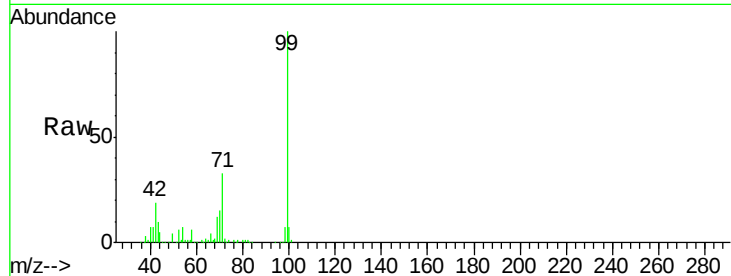
A2 SB74 E-N 8

Tot Ion:	99	Resp:	283937
Ion Ratio	Lower	Upper	
99	100		
42	19.0	14.5	21.7
71	32.9	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

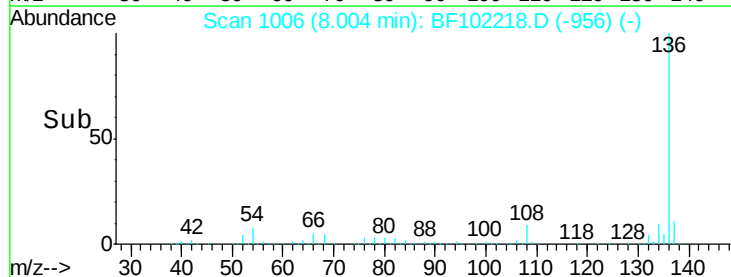
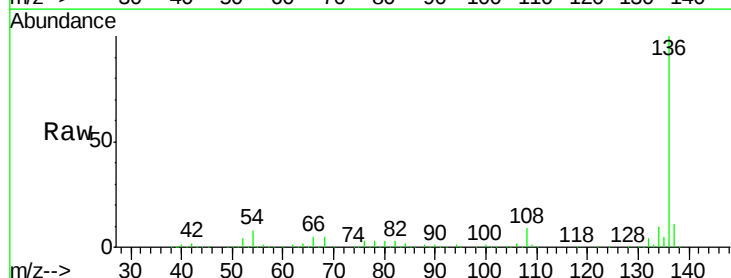
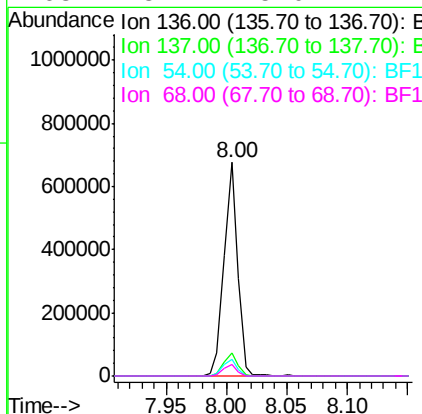
RT: 8.00 min Scan# 1006

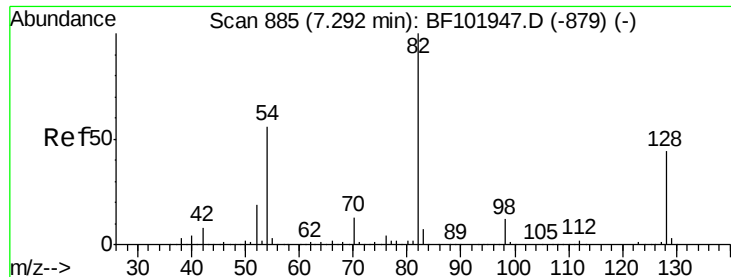
Delta R.T. -0.01 min

Lab File: BF102218.D

Acq: 19 Jan 2018 13:18

Tgt Ion:	136	Resp:	529674
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	7.7	6.6	9.8
68	5.2	5.0	7.4





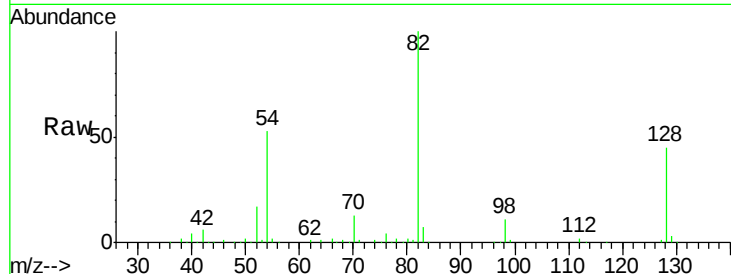
#23
Nitrobenzene-d5
Concen: 18.587 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF102218.D
Acq: 19 Jan 2018 13:18

Instrument :
BNA_F
ClientSampleId :
A2_SB74_E-N_8

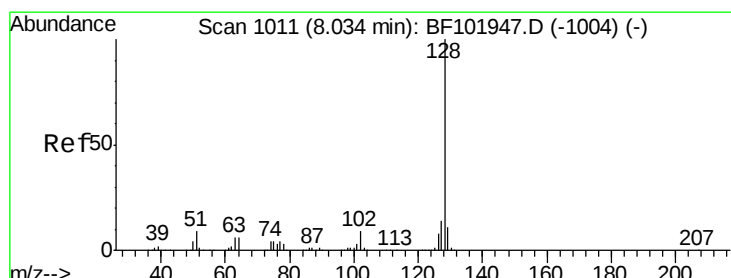
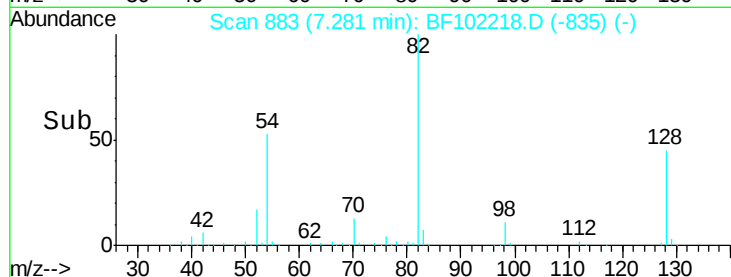
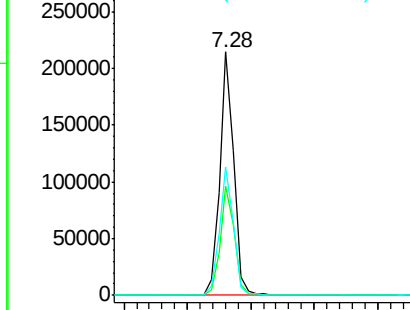
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.1	54.1
54	52.8	41.4	62.2

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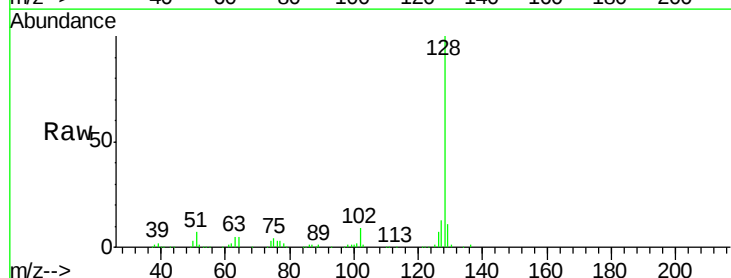


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

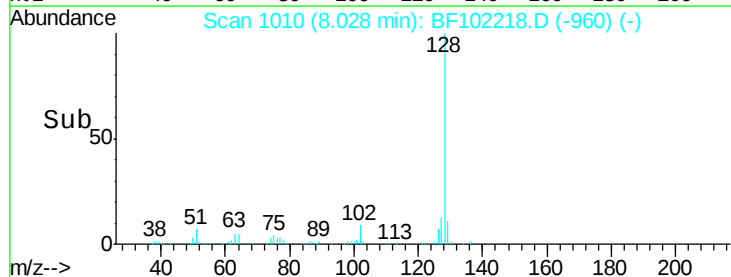
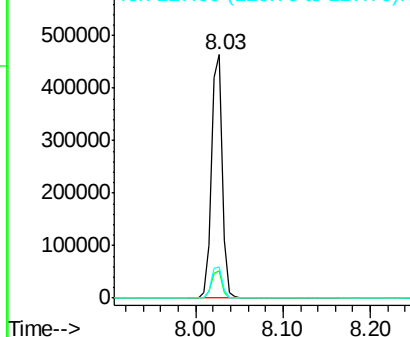


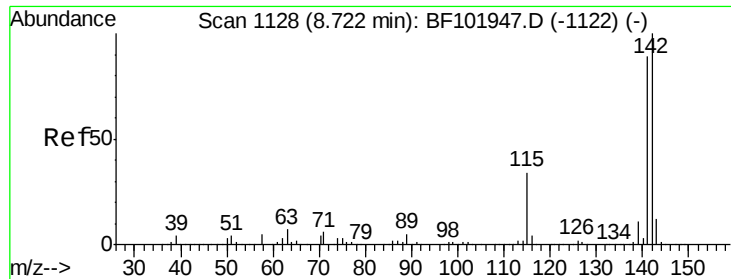
#31
Naphthalene
Concen: 15.146 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF102218.D
Acq: 19 Jan 2018 13:18

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.0	10.9	16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





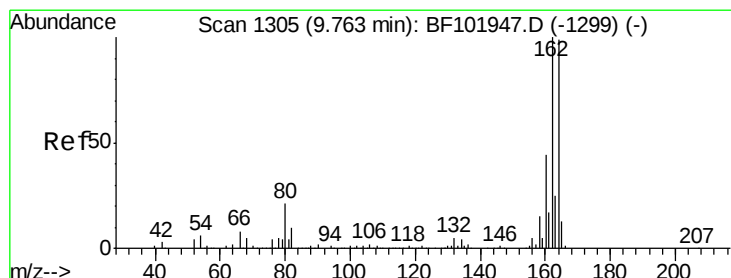
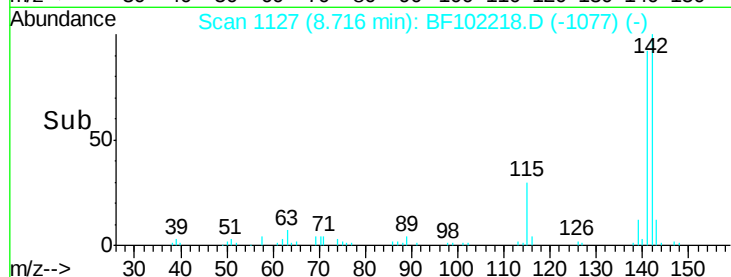
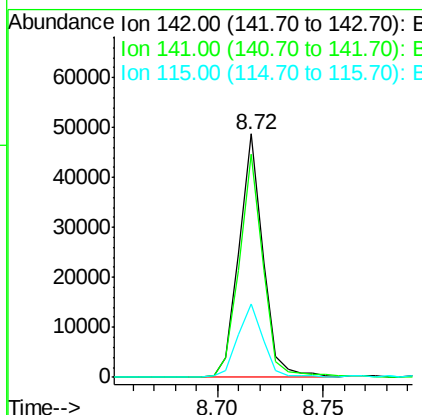
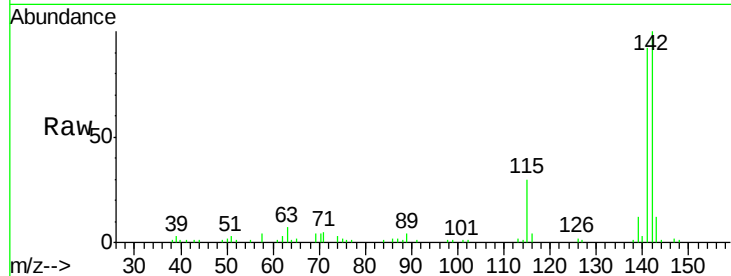
#37
2-Methylnaphthalene
Concen: 2.203 ng
RT: 8.72 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF102218.D
Acq: 19 Jan 2018 13:18

Instrument :
BNA_F
ClientSampleId :
A2 SB74 E-N 8

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.7	70.8	106.2
115	30.1	26.1	39.1

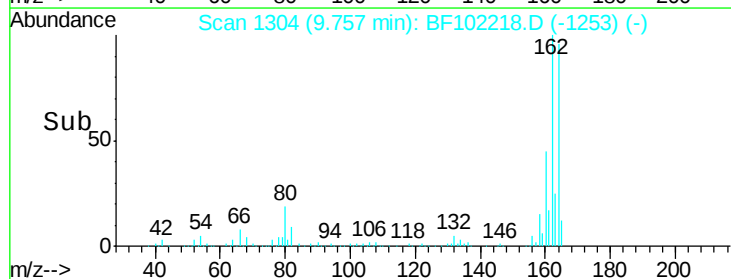
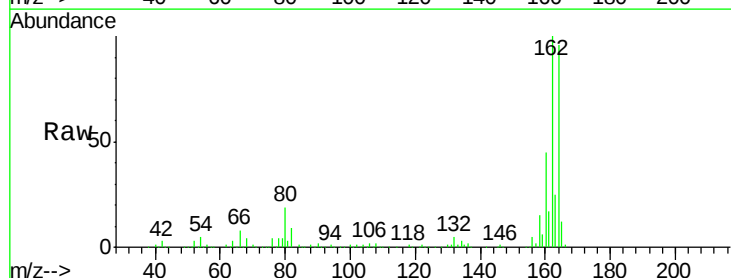
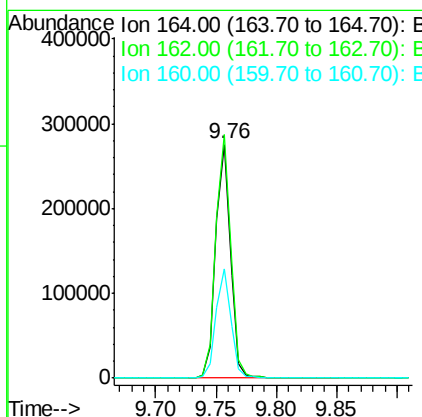
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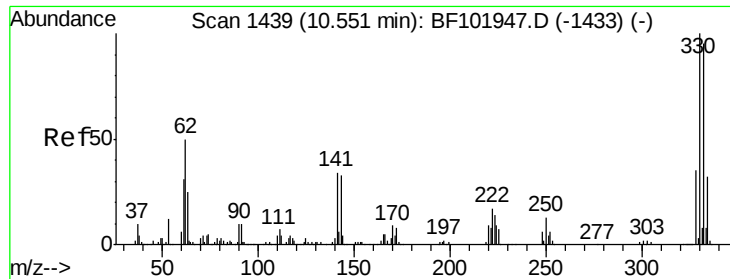
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.00 min
Lab File: BF102218.D
Acq: 19 Jan 2018 13:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.1	86.1	129.1
160	46.5	38.3	57.5





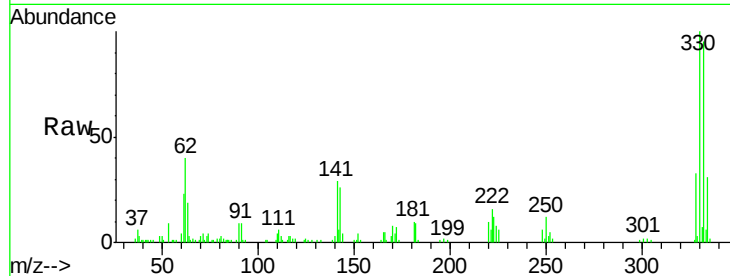
#41
 2,4,6-Tribromophenol
 Concen: 26.374 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF102218.D
 Acq: 19 Jan 2018 13:18

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB74_E-N_8

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	40.0	29.9	44.9

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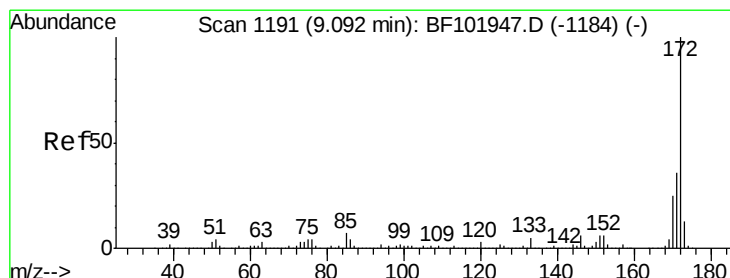
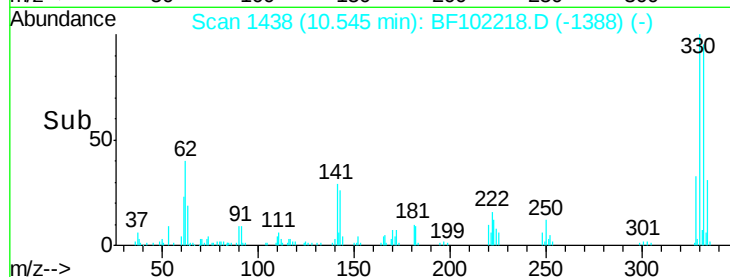
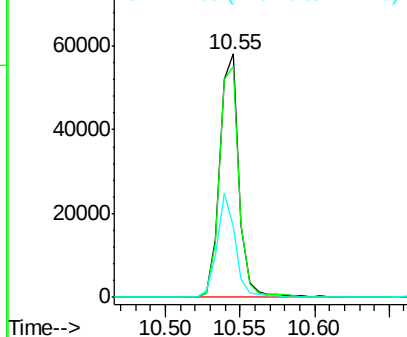


Abundance

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: 18.622 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102218.D
 Acq: 19 Jan 2018 13:18

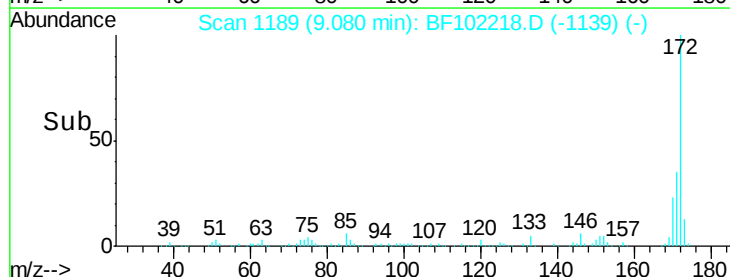
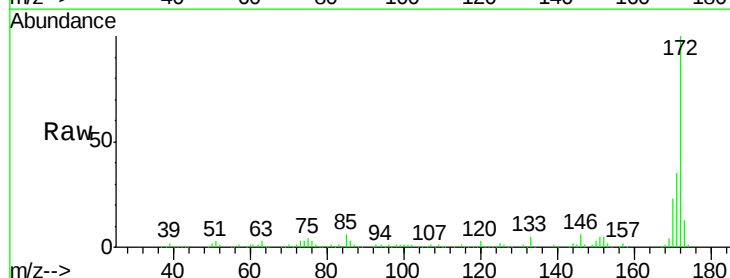
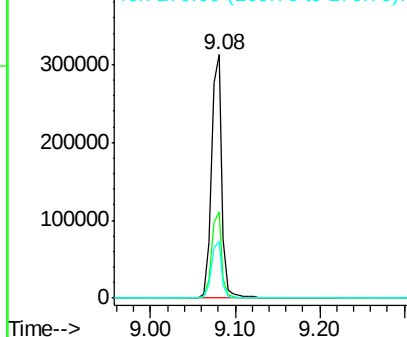
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.2	19.6	29.4

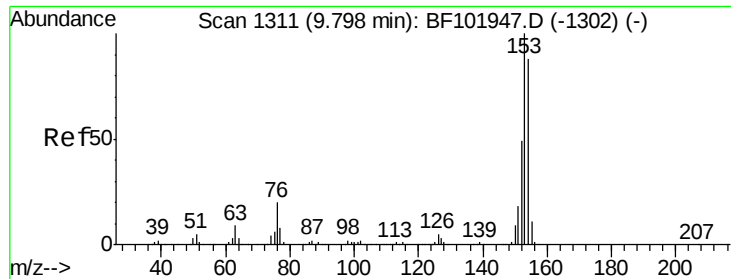
Abundance

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





#51

Acenaphthene

Concen: 2.602 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF102218.D

Acq: 19 Jan 2018 13:18

Instrument :

BNA_F

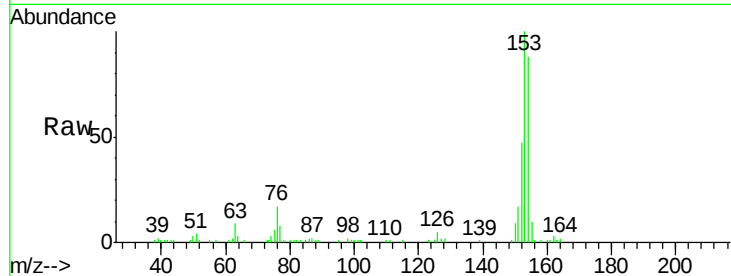
ClientSampleId :

A2 SB74 E-N 8

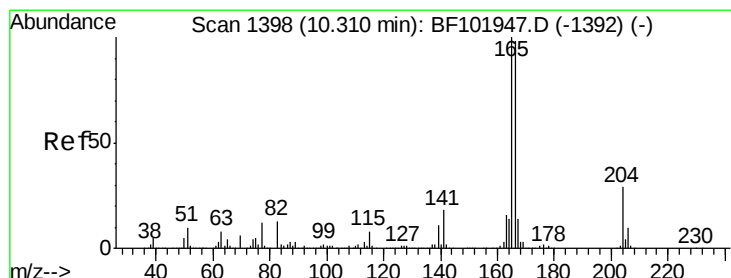
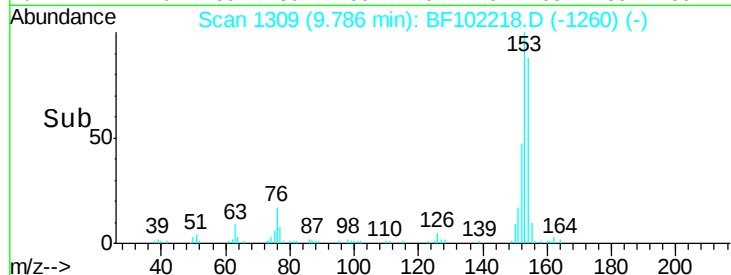
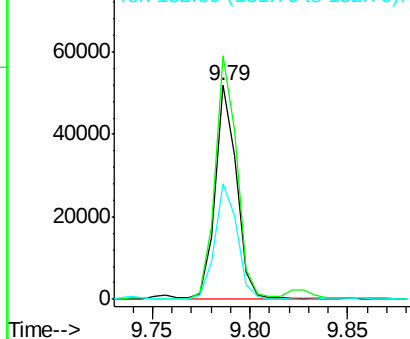
Tot Ion:	154	Resp:	39602
Ion Ratio	Lower	Upper	
154	100		
153	114.0	91.2	136.8
152	54.1	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 3.495 ng

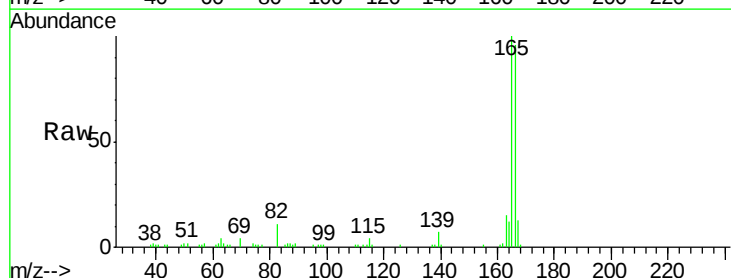
RT: 10.30 min Scan# 1397

Delta R.T. -0.01 min

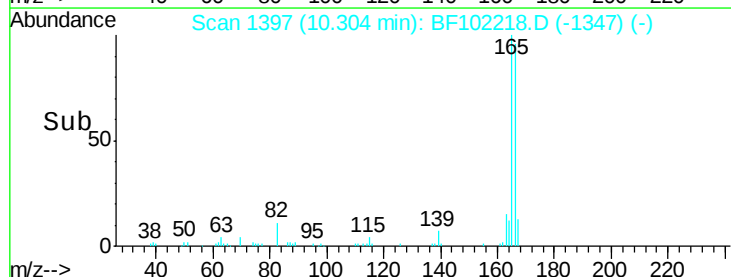
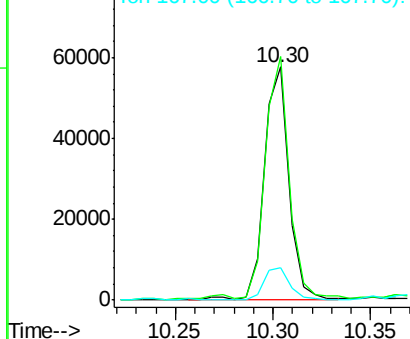
Lab File: BF102218.D

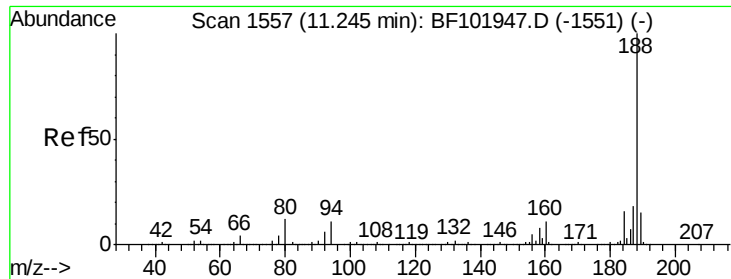
Acq: 19 Jan 2018 13:18

Tgt Ion:	166	Resp:	50469
Ion Ratio	Lower	Upper	
166	100		
165	104.5	79.8	119.8
167	13.8	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





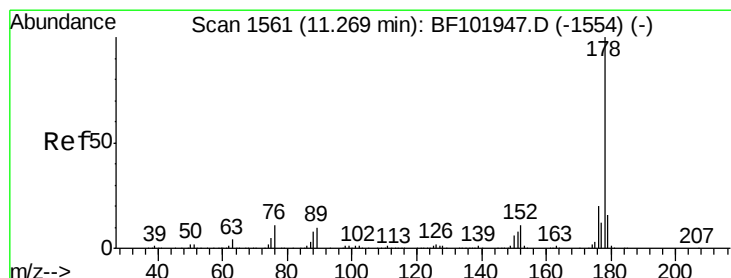
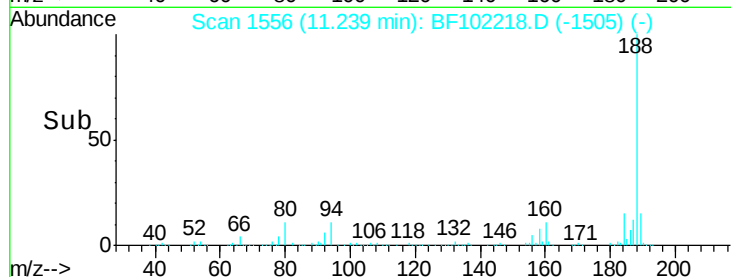
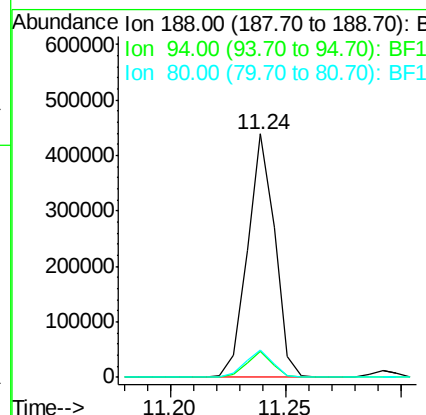
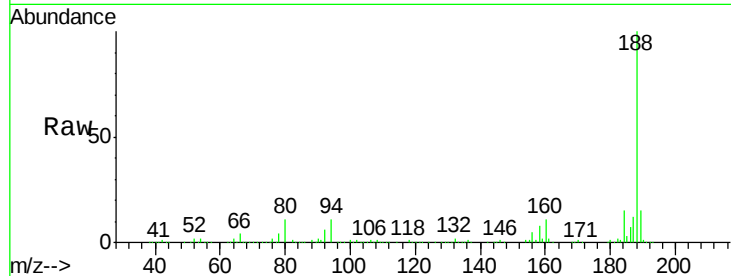
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BF102218.D
Acq: 19 Jan 2018 13:18

Instrument :
BNA_F
ClientSampleId :
A2 SB74 E-N 8

Tot Ion	Ratio	Resp	Lower	Upper
188	100	362342		
94	10.6		8.5	12.7
80	11.1		9.2	13.8

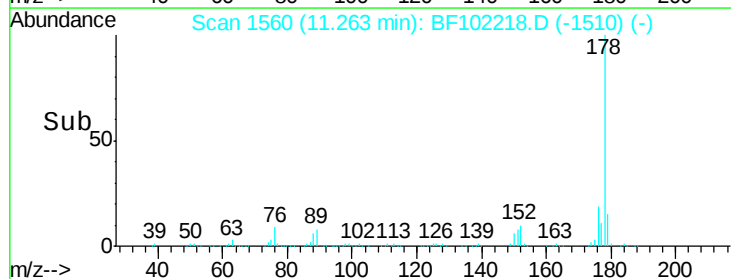
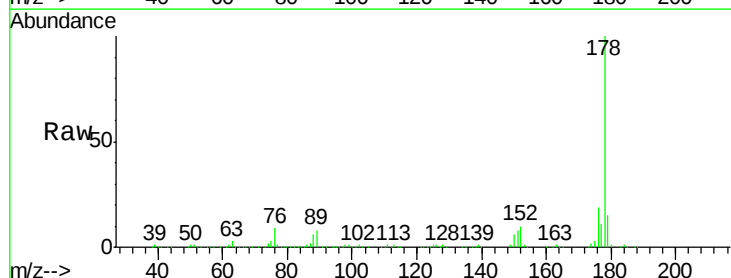
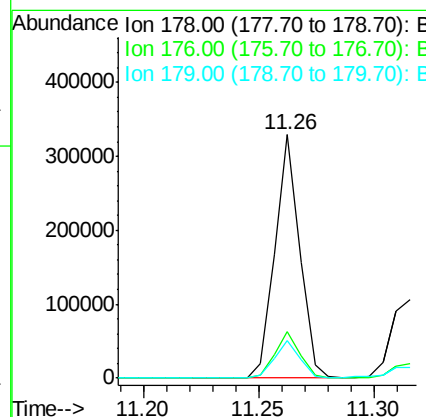
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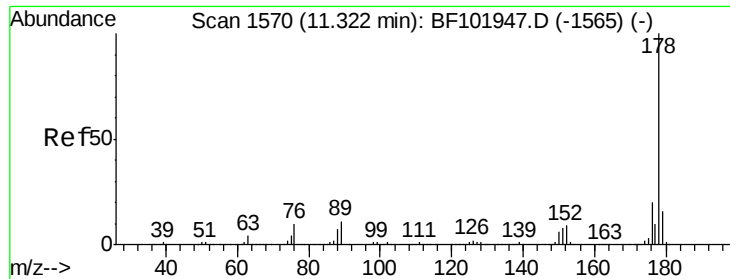
Sohil
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#70
Phenanthrene
Concen: 11.570 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF102218.D
Acq: 19 Jan 2018 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	244893		
176	19.0		15.8	23.8
179	15.3		13.0	19.6





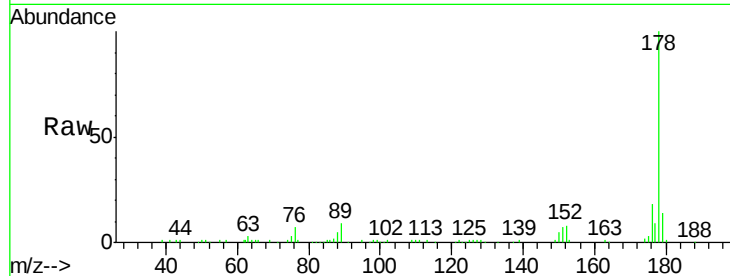
#71
 Anthracene
 Concen: 4.153 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF102218.D
 Acq: 19 Jan 2018 13:18

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB74_E-N_8

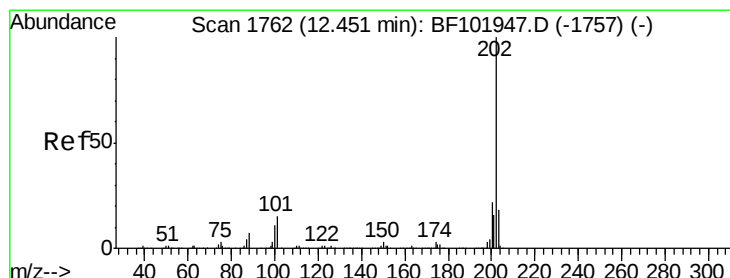
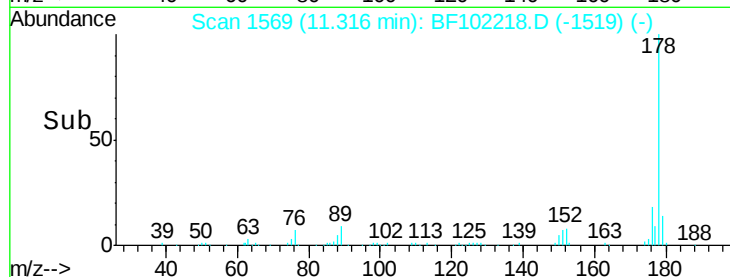
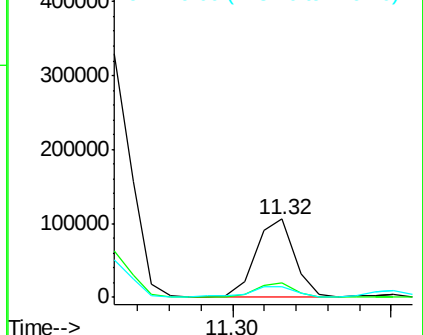
Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	18.2	15.4	23.2	
179	14.4	12.6	19.0	

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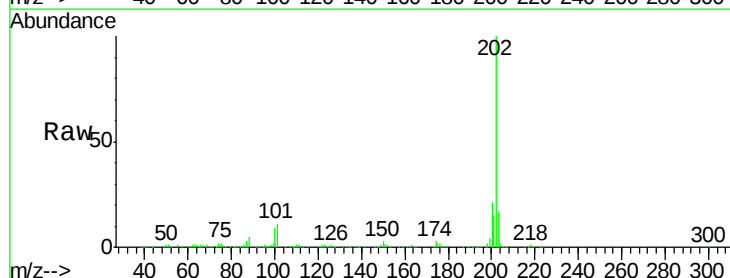


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

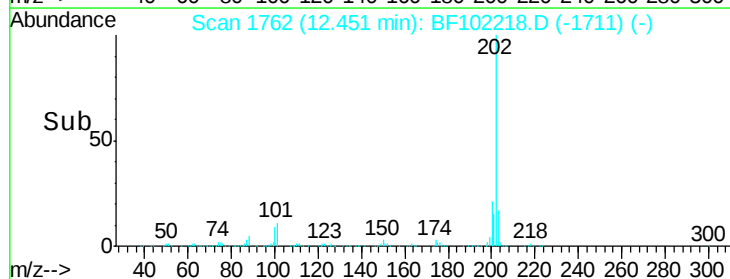
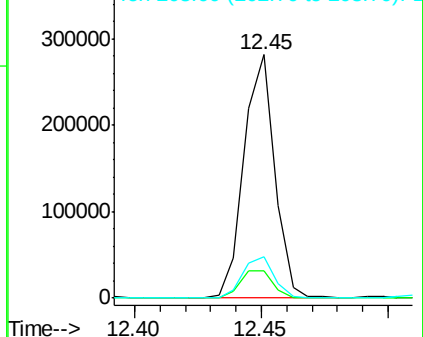


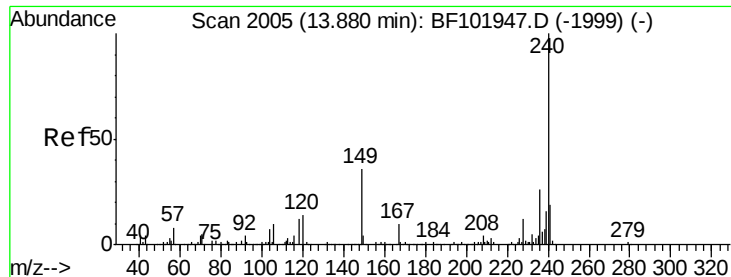
#74
 Fluoranthene
 Concen: 11.440 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: BF102218.D
 Acq: 19 Jan 2018 13:18

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
101	11.4	0.0	34.1	
203	16.9	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. 0.00 min

Lab File: BF102218.D

Acq: 19 Jan 2018 13:18

Instrument :

BNA_F

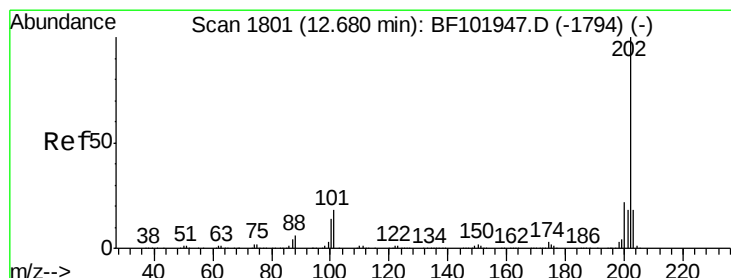
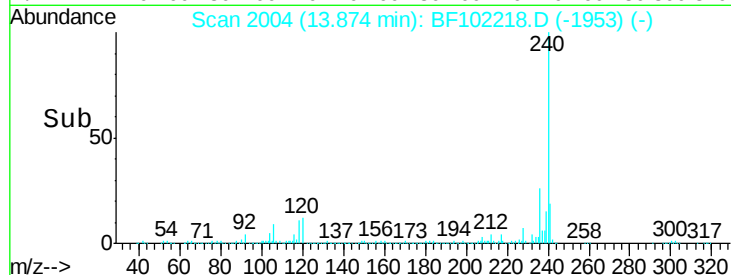
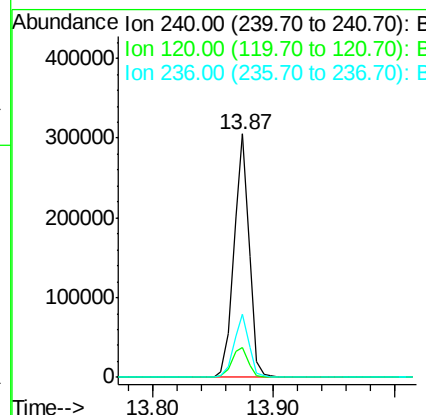
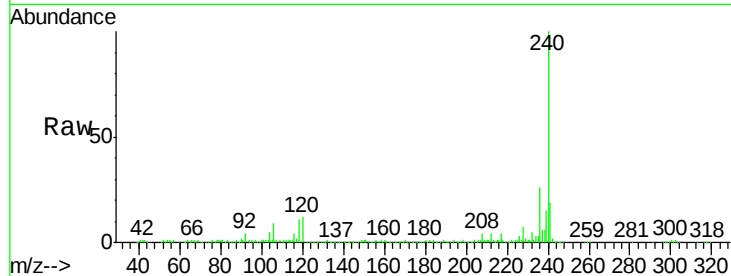
ClientSampleId :

A2 SB74 E-N 8

Tot Ion:	240	Resp:	266097
Ion Ratio	Lower	Upper	
240	100		
120	12.4	9.5	14.3
236	25.8	20.7	31.1

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#77

Pyrene

Concen: 8.482 ng

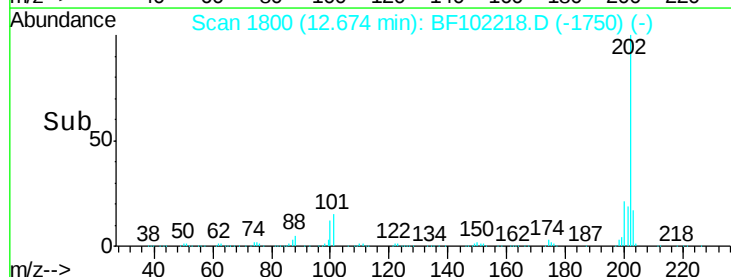
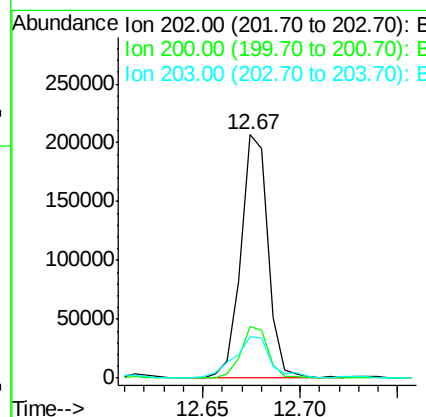
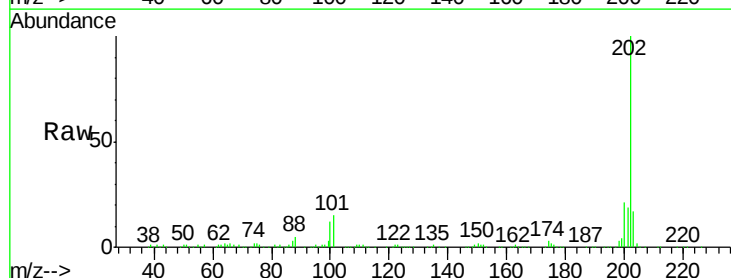
RT: 12.67 min Scan# 1800

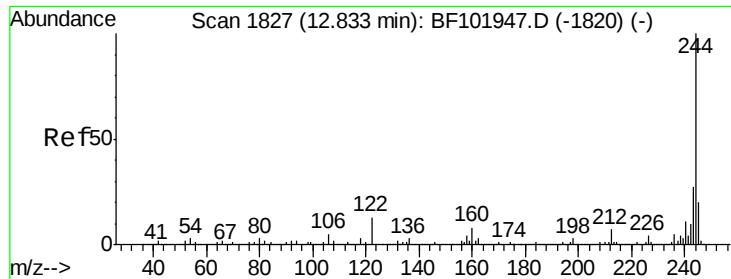
Delta R.T. -0.01 min

Lab File: BF102218.D

Acq: 19 Jan 2018 13:18

Tgt Ion:	202	Resp:	199511
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	16.9	14.3	21.5





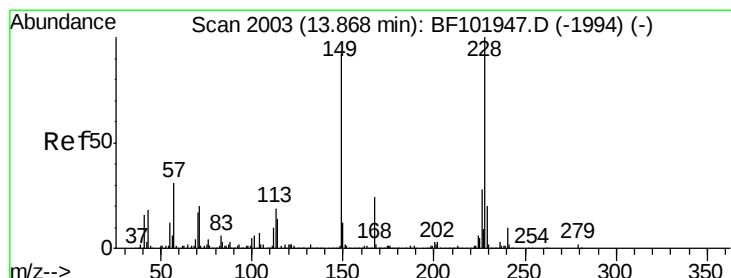
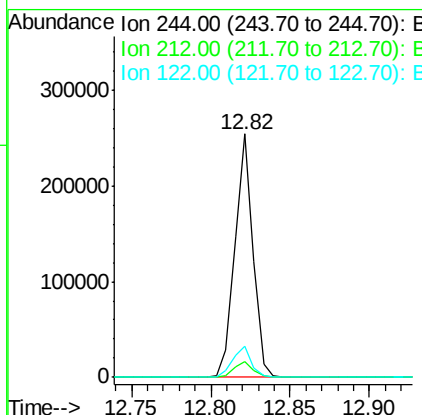
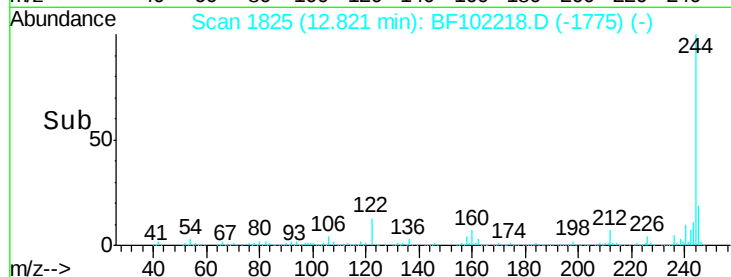
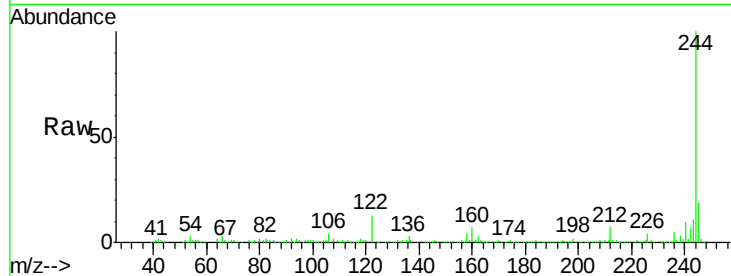
#78
 Terphenyl-d14
 Concen: 15.823 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF102218.D
 Acq: 19 Jan 2018 13:18

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB74_E-N_8

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	12.5	11.0	16.4

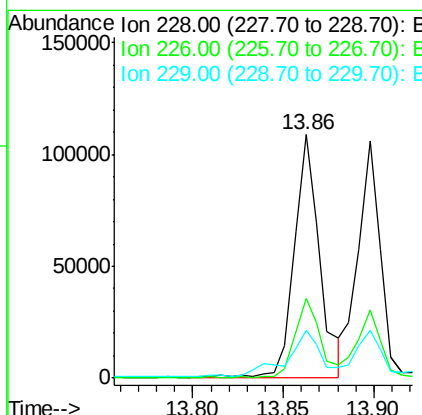
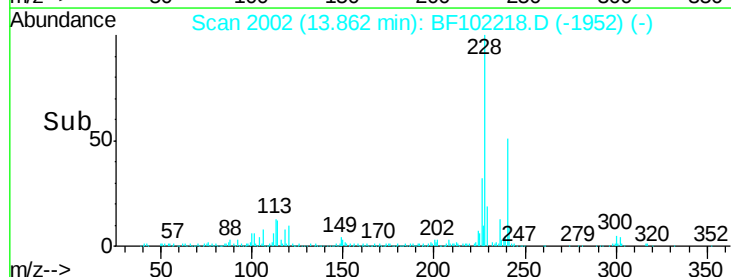
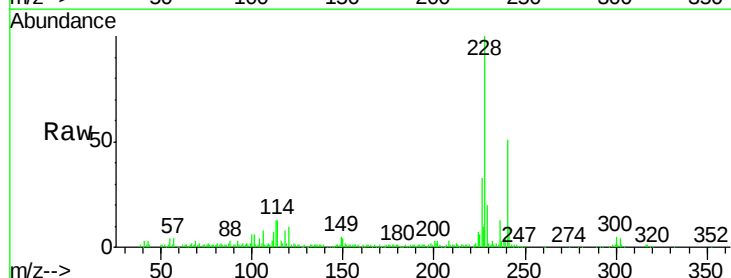
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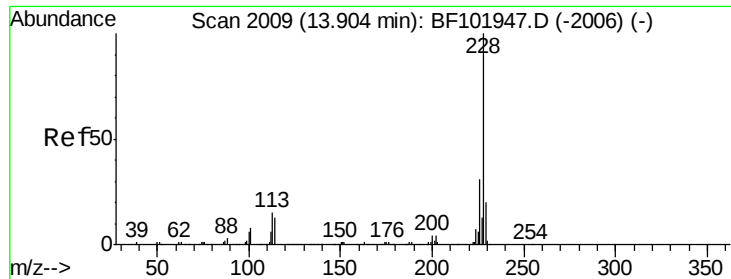
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#80
 Benzo(a)anthracene
 Concen: 6.373 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.01 min
 Lab File: BF102218.D
 Acq: 19 Jan 2018 13:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.0	22.6	33.8
229	19.6	15.8	23.6





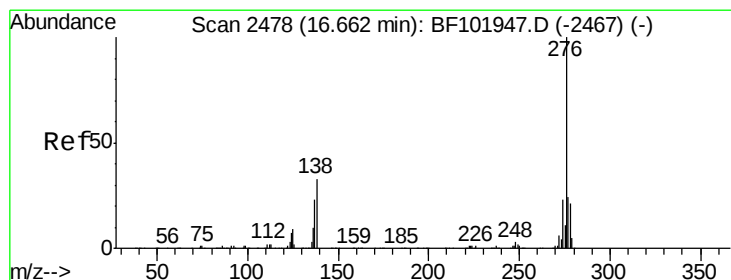
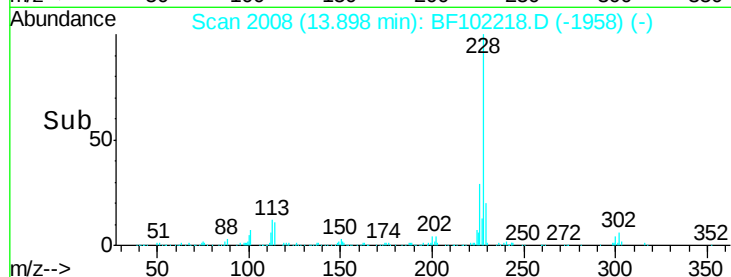
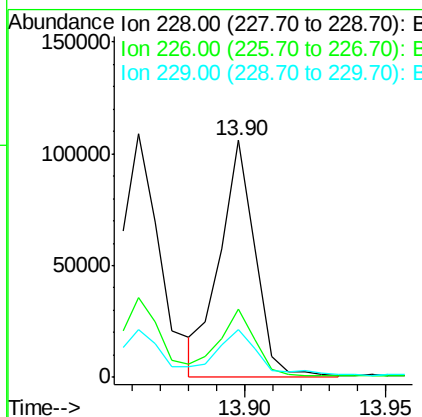
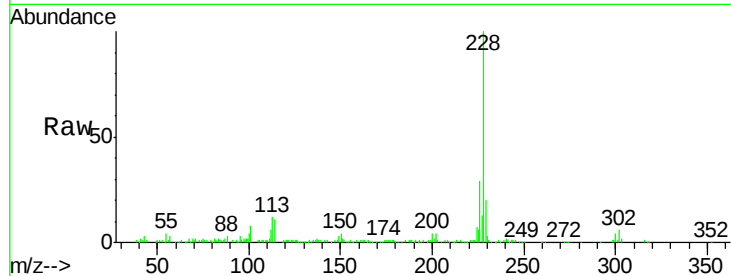
#82
Chrysene
Concen: 5.182 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102218.D
Acq: 19 Jan 2018 13:18

Instrument :
BNA_F
ClientSampleId :
A2 SB74 E-N 8

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	25.0	37.6
229	20.4	16.2	24.4

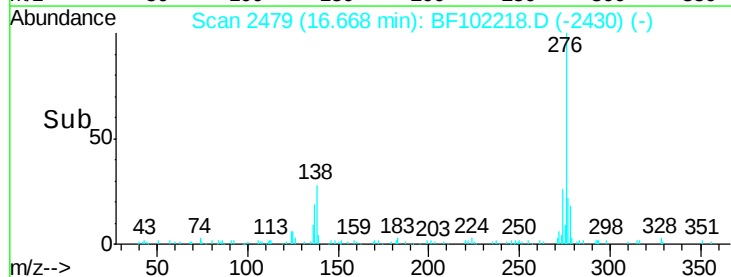
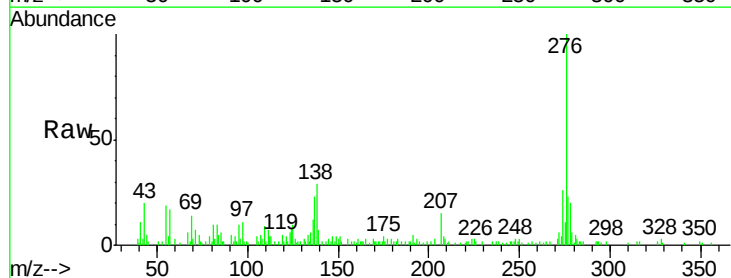
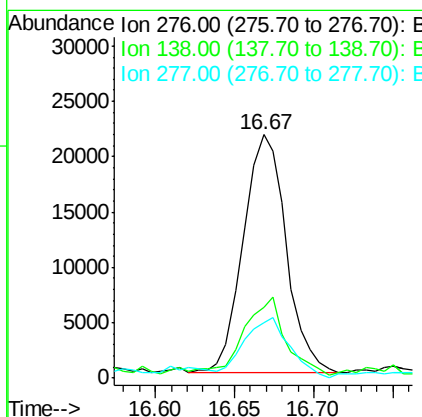
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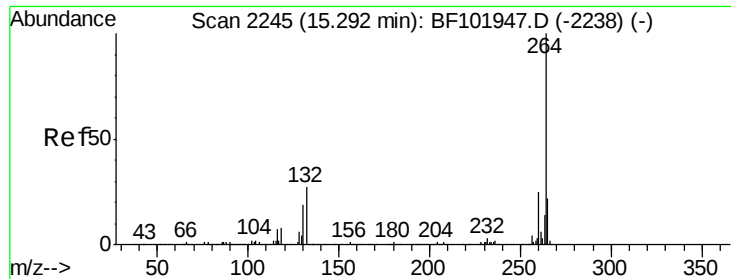
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.161 ng
RT: 16.67 min Scan# 2479
Delta R.T. -0.01 min
Lab File: BF102218.D
Acq: 19 Jan 2018 13:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.7	25.0	37.6
277	26.9	20.1	30.1





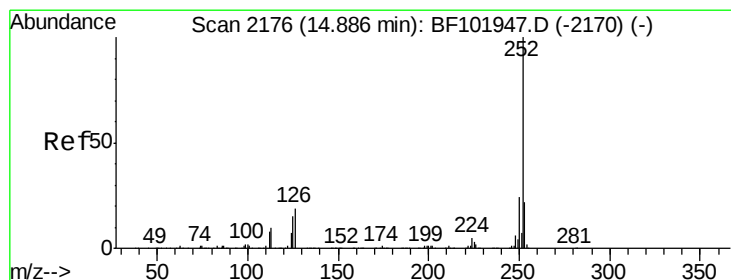
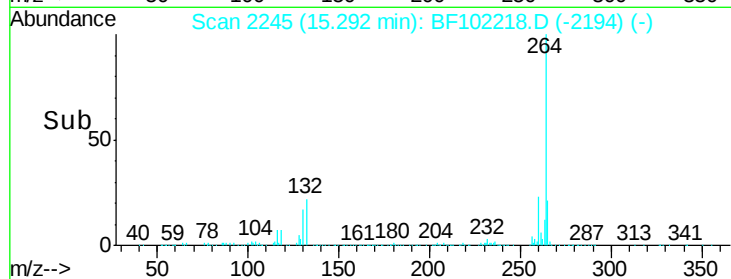
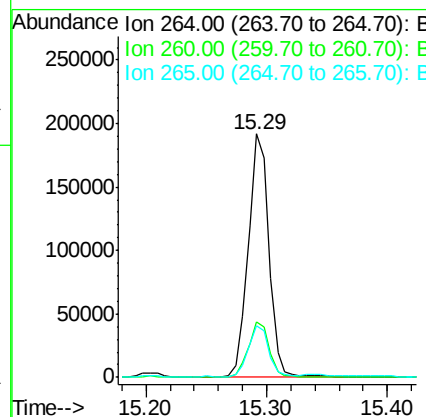
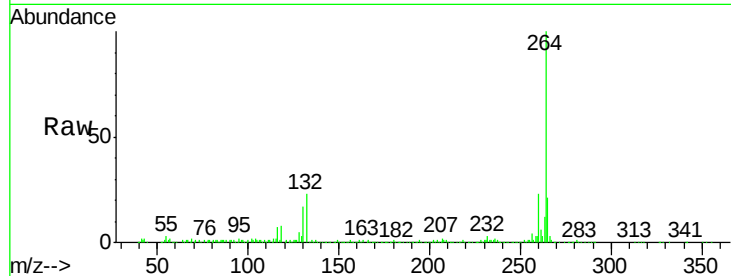
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.00 min
Lab File: BF102218.D
Acq: 19 Jan 2018 13:18

Instrument :
BNA_F
ClientSampleId :
A2 SB74 E-N 8

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.2	28.8
265	21.3	17.5	26.3

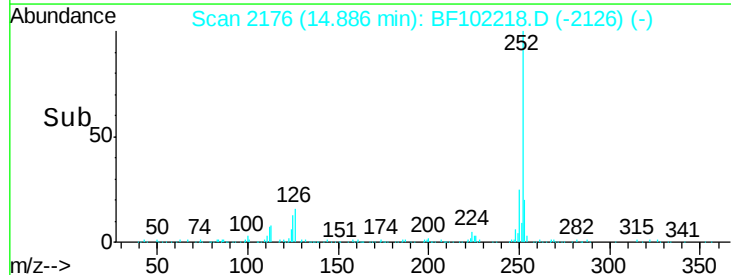
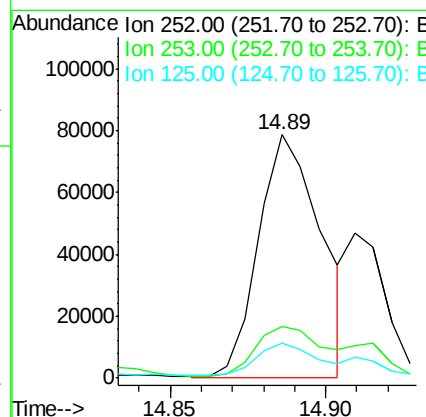
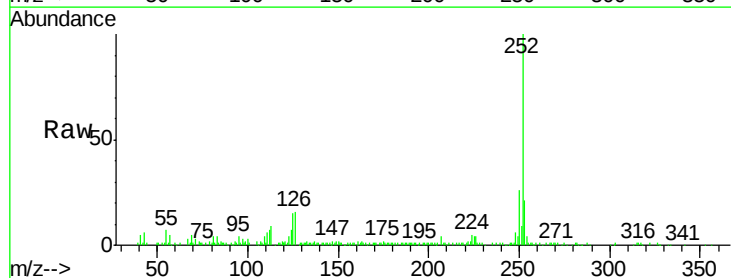
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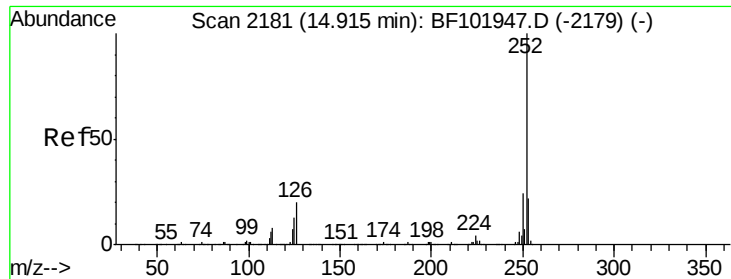
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#87
Benzo(b)fluoranthene
Concen: 7.302 ng m
RT: 14.89 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BF102218.D
Acq: 19 Jan 2018 13:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.0	25.6
125	14.6	9.0	13.6





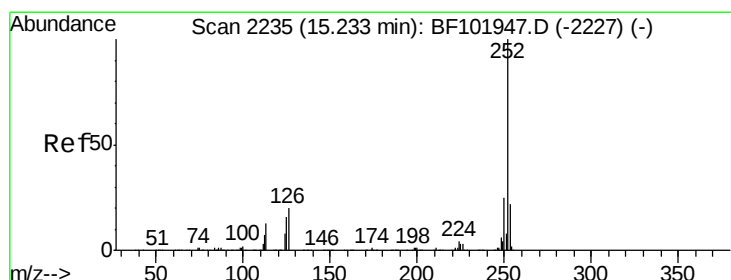
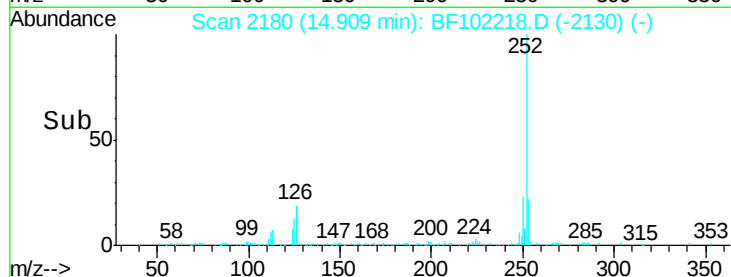
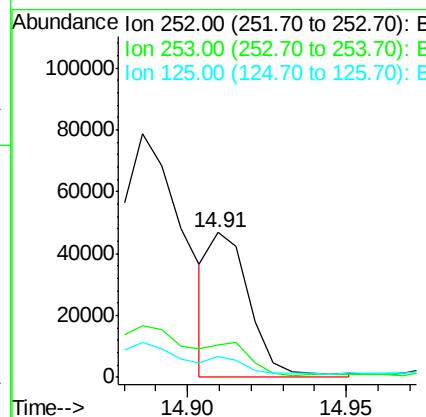
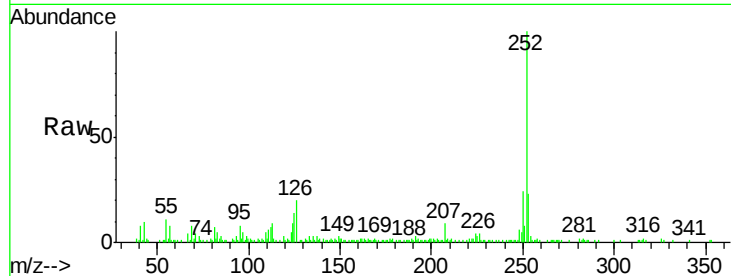
#88
Benzo(k)fluoranthene
Concen: 2.853 ng m
RT: 14.91 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BF102218.D
Acq: 19 Jan 2018 13:18

Instrument :
BNA_F
ClientSampleId :
A2 SB74 E-N 8

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	14.4	10.2	15.2

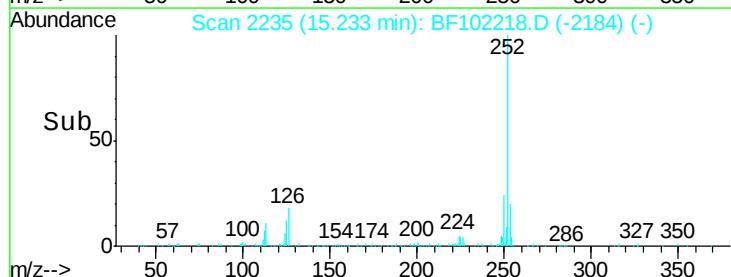
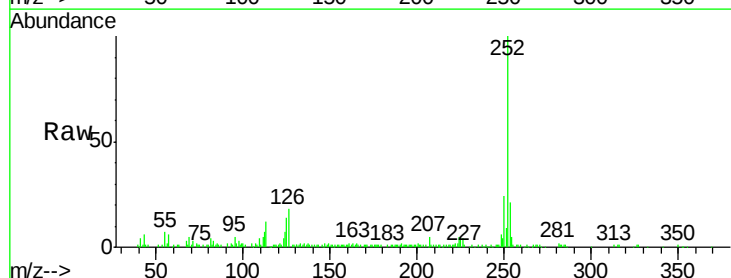
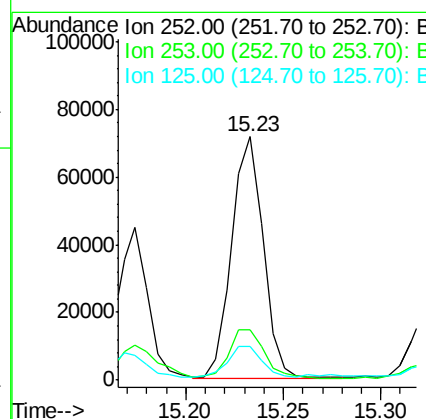
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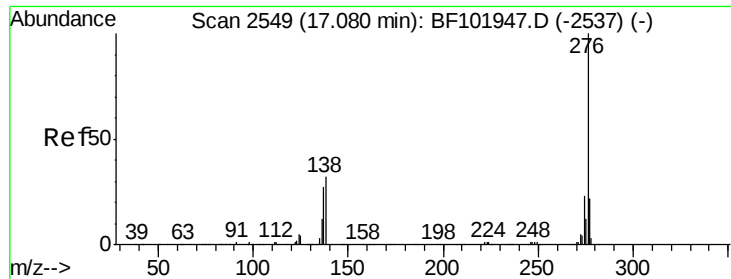
Sohil
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#89
Benzo(a)pyrene
Concen: 6.001 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.00 min
Lab File: BF102218.D
Acq: 19 Jan 2018 13:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.7	17.1	25.7
125	13.8	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 3.646 ng
 RT: 17.09 min Scan# 2550
 Delta R.T. -0.01 min
 Lab File: BF102218.D
 Acq: 19 Jan 2018 13:18

Instrument :
 BNA_F
 ClientSampleId :
 A2 SB74 E-N 8

Tot Ion	Ratio	Lower	Upper
276	100		
277	20.7	17.9	26.9
138	30.3	21.8	32.8

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