

Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
 Data File : BF102065.D
 Acq On : 15 Jan 2018 16:20
 Operator : SJ/JU
 Sample : J1134-02 20X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB23-W

Manual Integrations
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Sohil
 1/16/2018 5:01:13 PM

Quant Time: Jan 15 17:39:49 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	198230	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	820717	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	355642	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	567398	20.00	ng	-0.01
75) Chrysene-d12	13.87	240	292314	20.00	ng	-0.01
86) Perylene-d12	15.28	264	354745	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	14232	1.01	ng	-0.01
7) Phenol-d6	6.34	99	16401	0.98	ng	-0.02
23) Nitrobenzene-d5	7.27	82	9714	0.70	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	2516	0.81	ng	-0.02
44) 2-Fluorobiphenyl	9.07	172	19052	0.84	ng	-0.02
78) Terphenyl-d14	12.82	244	13601	0.97	ng	-0.02
Target Compounds						
31) Naphthalene	8.02	128	223322	5.446	ng	Qvalue 99
48) Acenaphthylene	9.62	152	243004	6.282	ng	96
54) Dibenzofuran	9.96	168	75704	2.349	ng	99
57) Fluorene	10.30	166	126880	5.696	ng	97
70) Phenanthrene	11.26	178	752914	22.717	ng	98
71) Anthracene	11.31	178	275396	8.193	ng	99
74) Fluoranthene	12.45	202	977361	29.972	ng	99
77) Pyrene	12.67	202	915075	35.415	ng	99
80) Benzo(a)anthracene	13.86	228	411836m	22.082	ng	
82) Chrysene	13.89	228	323905	16.655	ng	99
85) Indeno(1,2,3-cd)pyrene	16.65	276	288119	20.355	ng	97
87) Benzo(b)fluoranthene	14.88	252	542675m	23.461	ng	
88) Benzo(k)fluoranthene	14.90	252	160126m	7.176	ng	
89) Benzo(a)pyrene	15.22	252	439677	21.124	ng	# 96
90) Dibenzo(a,h)anthracene	16.66	278	71692	4.316	ng	# 86
91) Benzo(g,h,i)perylene	17.06	276	275760	16.481	ng	94

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

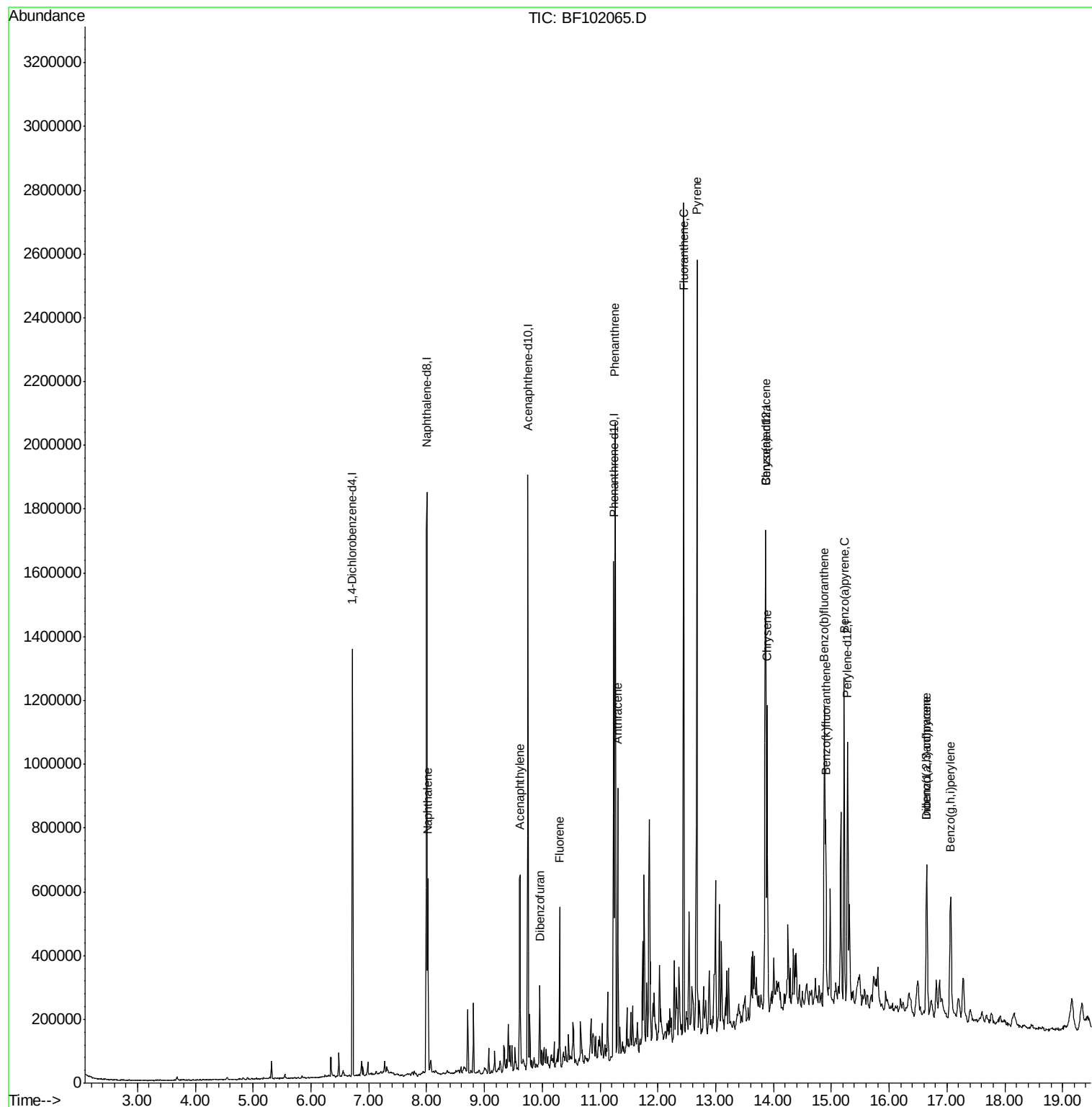
Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
Data File : BF102065.D
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ALS Vial : 4 Sample Multiplier: 1

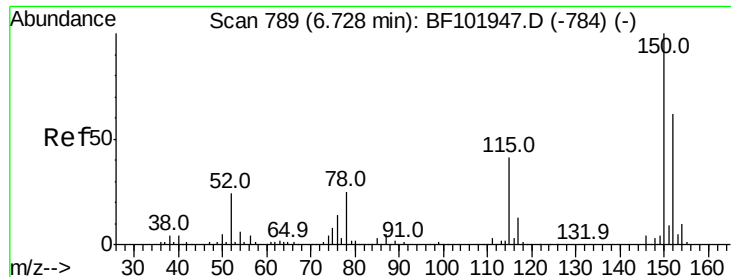
Instrument :
BNA_F
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A2-SB23-W

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

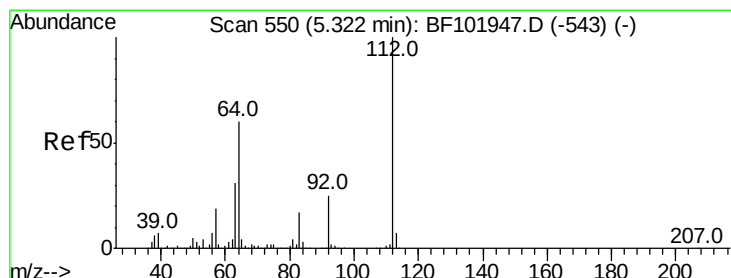
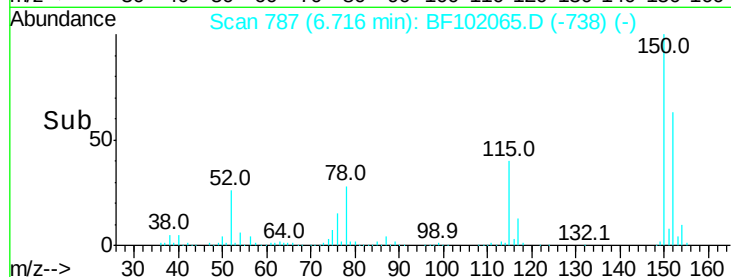
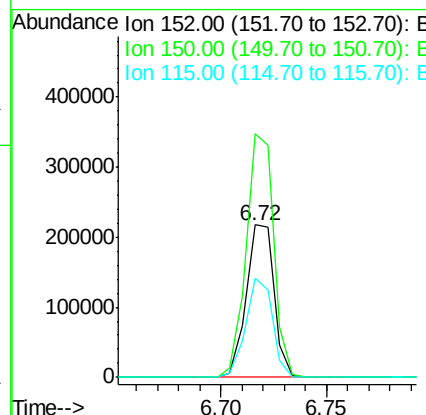
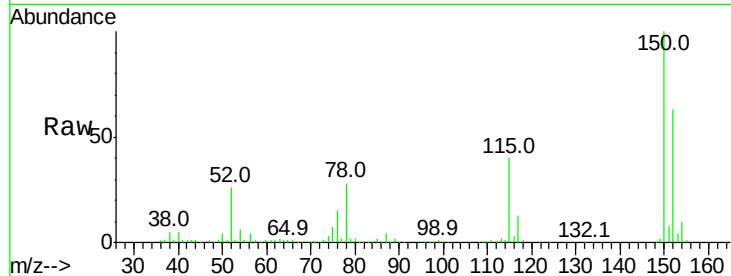
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF102065.D
Acq: 15 Jan 2018 16:20

Instrument :
BNA_F
ClientSampleId :
A2-SB23-W

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	124.6	186.8
115	64.6	50.1	75.1

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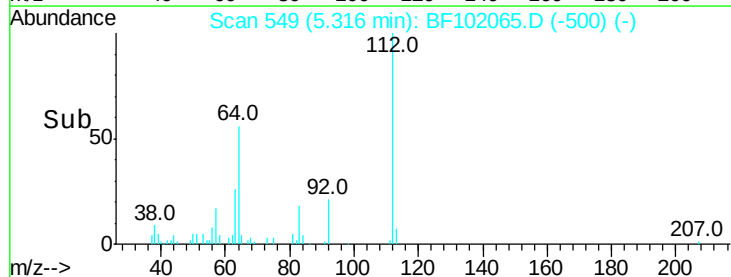
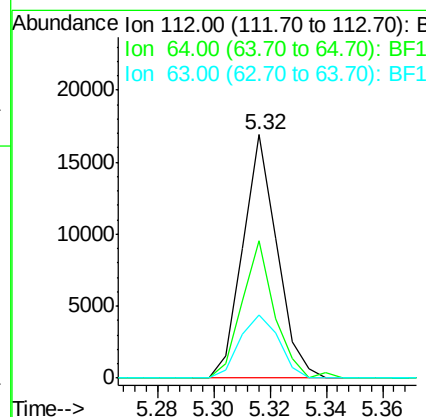
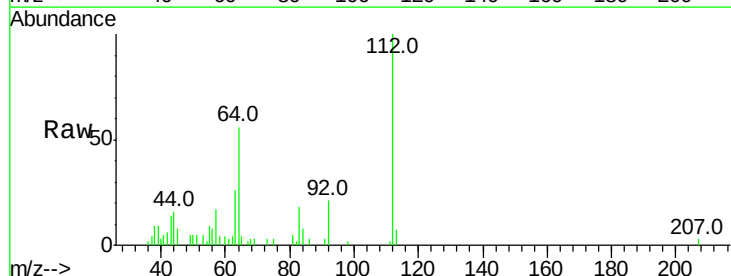
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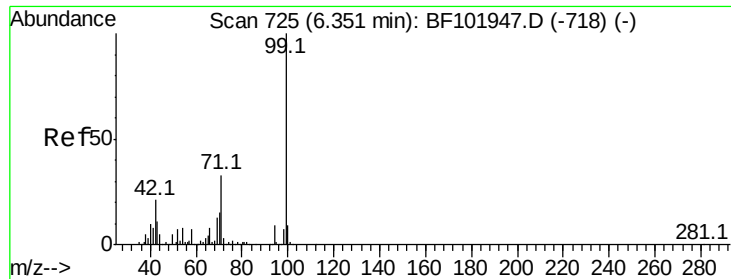


#5

2-Fluorophenol
Concen: 1.014 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF102065.D
Acq: 15 Jan 2018 16:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	47.9	71.9
63	26.0	23.7	35.5





#7

Phenol-d6

Concen: 0.979 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF102065.D

Acq: 15 Jan 2018 16:20

Instrument :

BNA_F

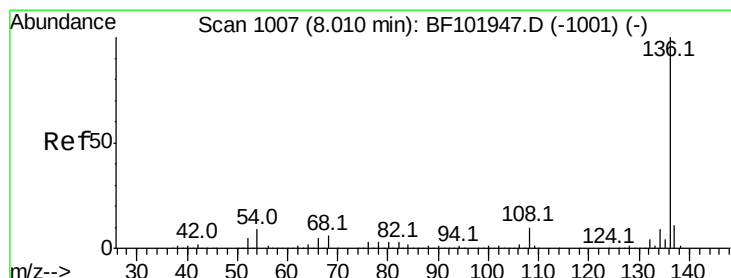
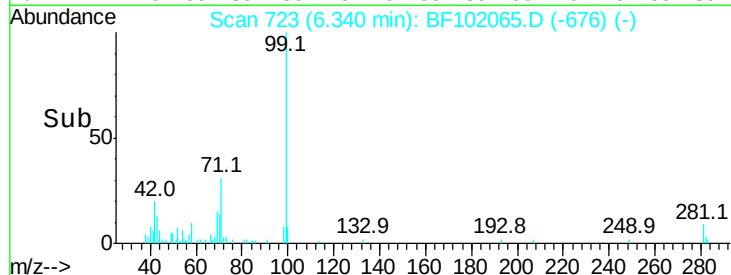
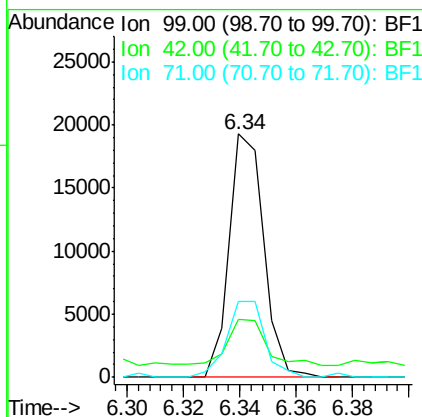
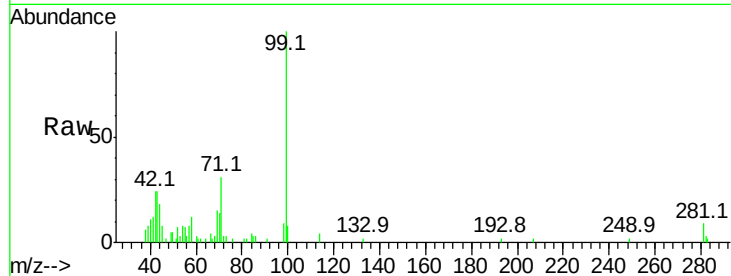
ClientSampled :

A2-SB23-W

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		16401		
42	24.1	14.5	21.7#		
71	31.4	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

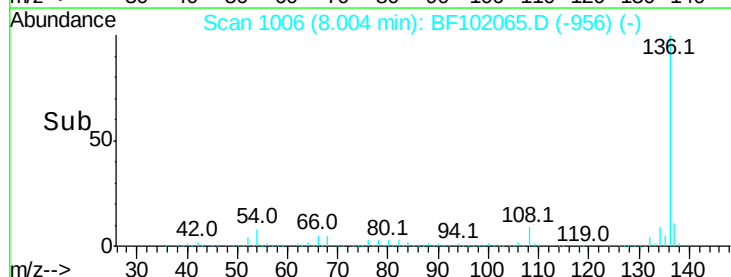
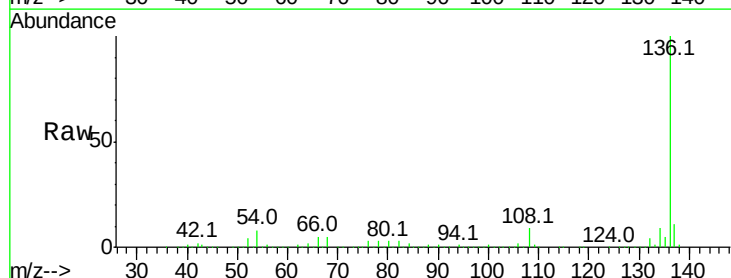
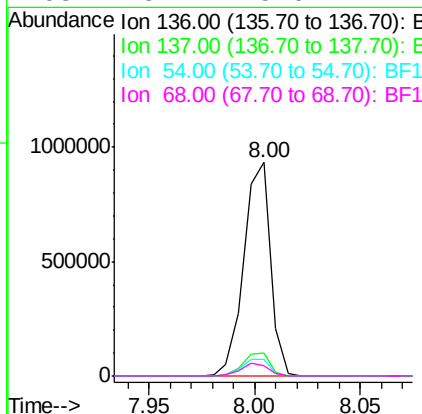
RT: 8.00 min Scan# 1006

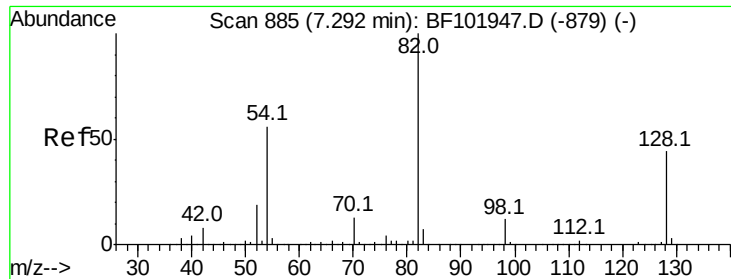
Delta R.T. -0.01 min

Lab File: BF102065.D

Acq: 15 Jan 2018 16:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		820717		
137	10.8	8.9	13.3		
54	7.7	6.6	9.8		
68	5.1	5.0	7.4		





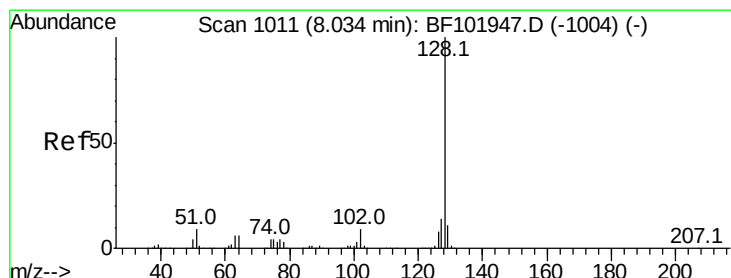
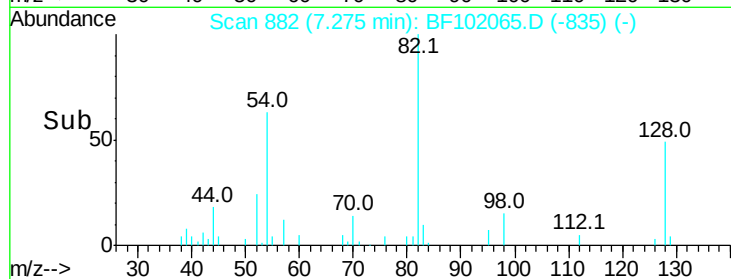
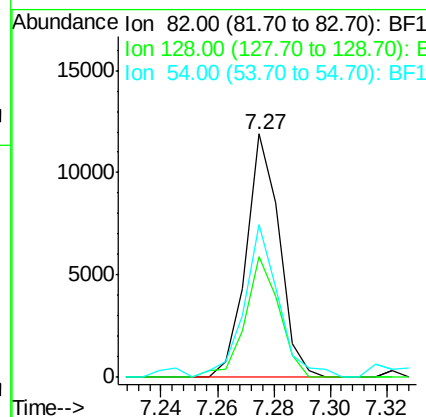
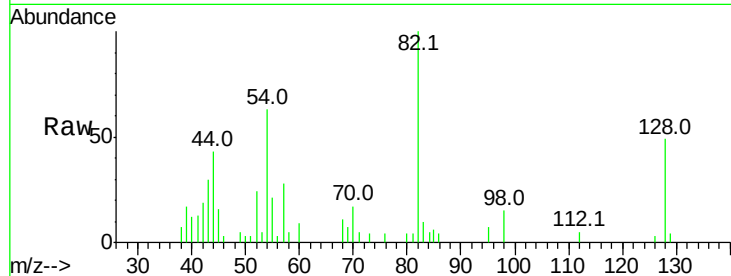
#23
 Nitrobenzene-d5
 Concen: 0.696 ng
 RT: 7.27 min Scan# 882
 Delta R.T. -0.02 min
 Lab File: BF102065.D
 Acq: 15 Jan 2018 16:20

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB23-W

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.4	36.1	54.1
54	62.7	41.4	62.2

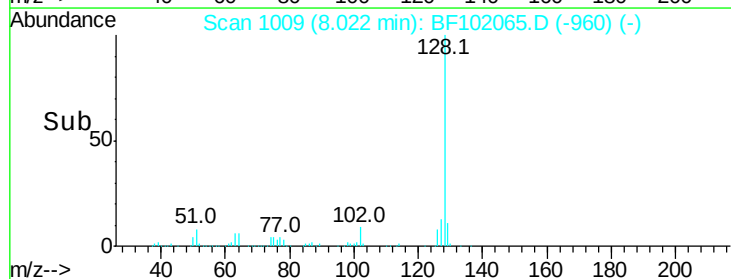
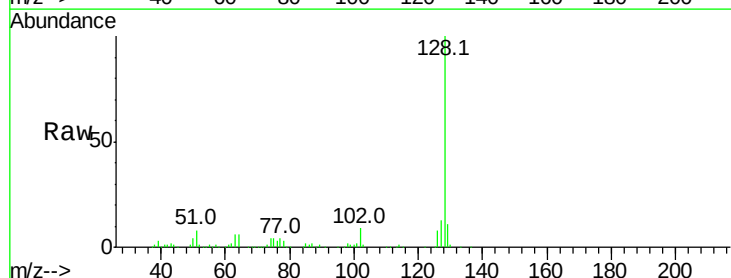
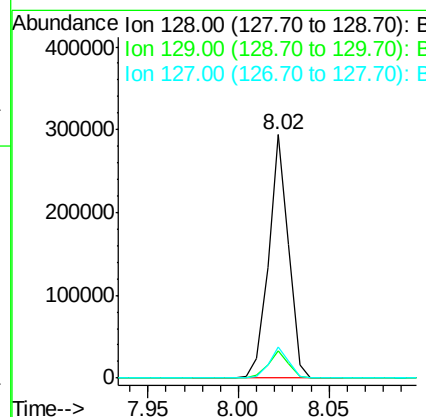
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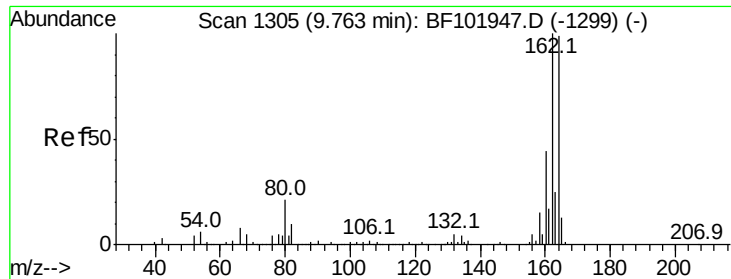
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#31
 Naphthalene
 Concen: 5.446 ng
 RT: 8.02 min Scan# 1009
 Delta R.T. -0.01 min
 Lab File: BF102065.D
 Acq: 15 Jan 2018 16:20

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





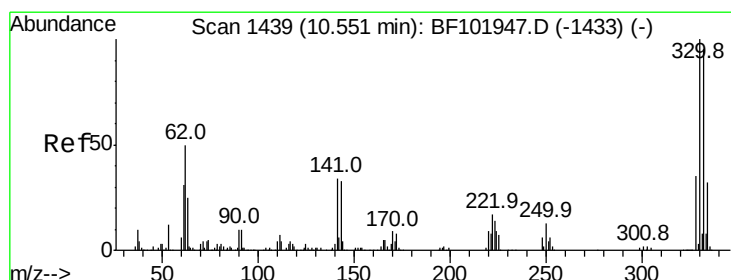
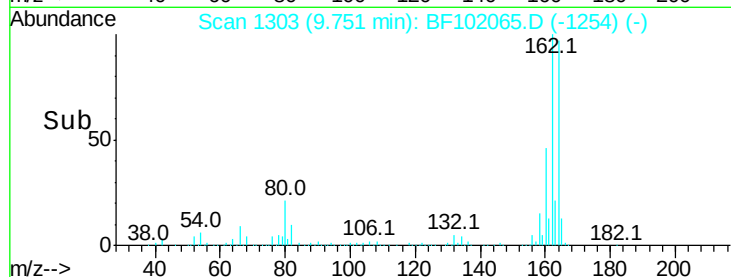
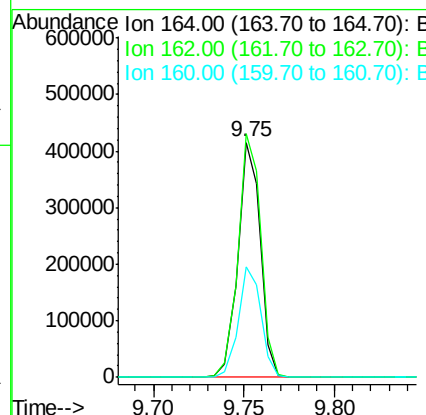
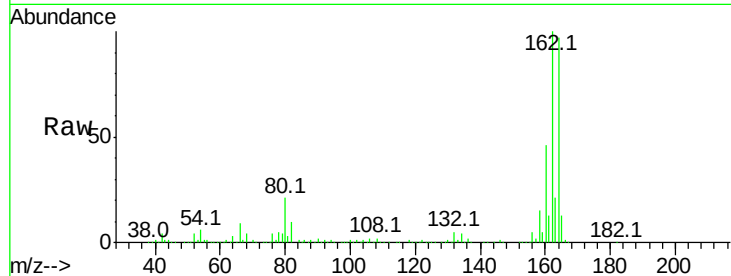
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF102065.D
 Acq: 15 Jan 2018 16:20

Instrument :
 BNA_F
 ClientSampled :
 A2-SB23-W

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.6	86.1	129.1
160	47.2	38.3	57.5

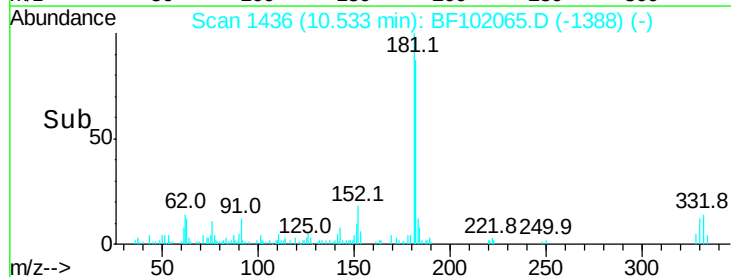
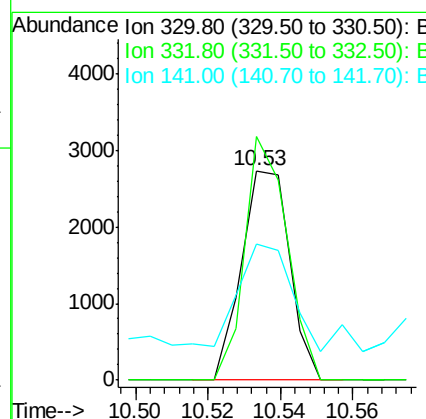
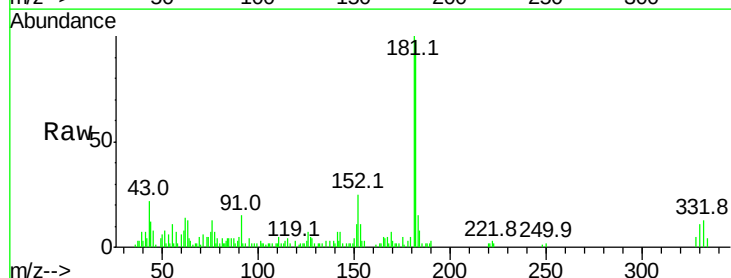
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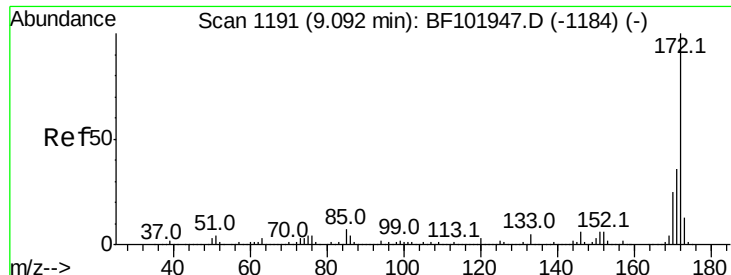
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#41
 2,4,6-Tribromophenol
 Concen: 0.811 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF102065.D
 Acq: 15 Jan 2018 16:20

Tgt Ion	Ratio	Lower	Upper
330	100		
332	101.8	77.0	115.6
141	64.2	29.9	44.9#





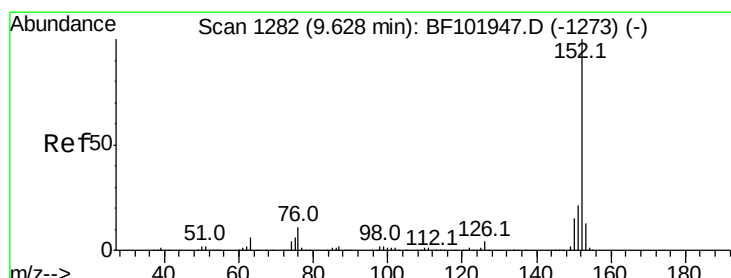
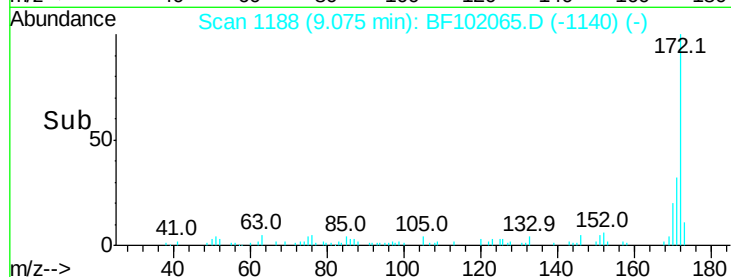
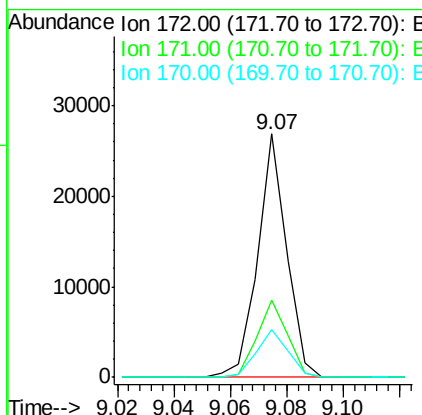
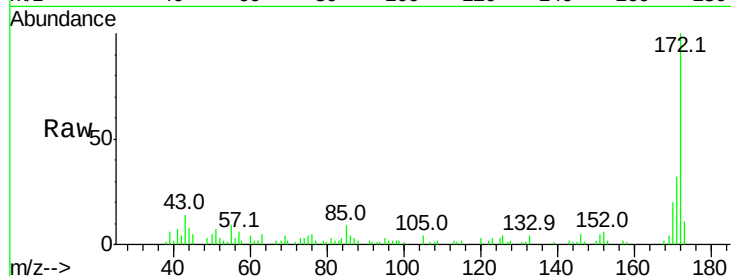
#44
2-Fluorobiphenyl
Concen: 0.837 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.02 min
Lab File: BF102065.D
Acq: 15 Jan 2018 16:20

Instrument :
BNA_F
ClientSampled :
A2-SB23-W

Tot Ion	Ratio	Lower	Upper
172	100		
171	31.8	29.7	44.5
170	19.8	19.6	29.4

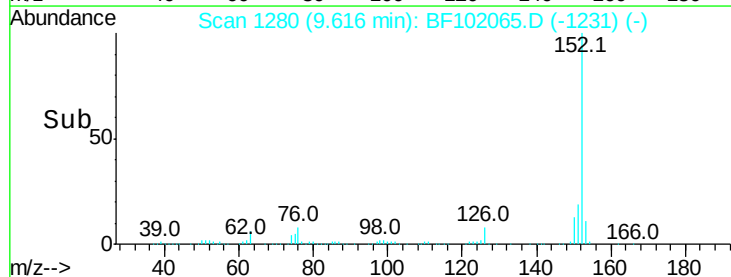
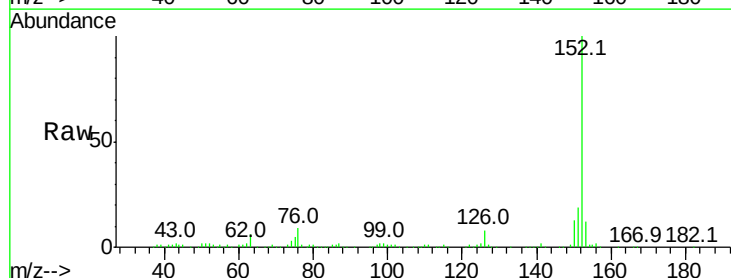
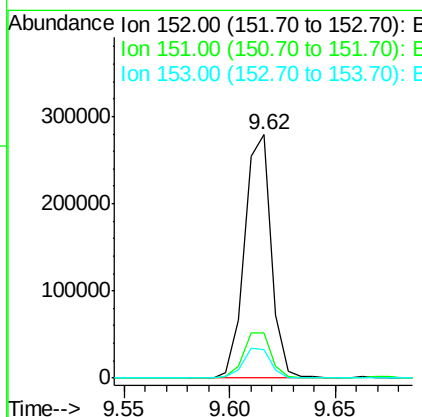
Manual Integrations
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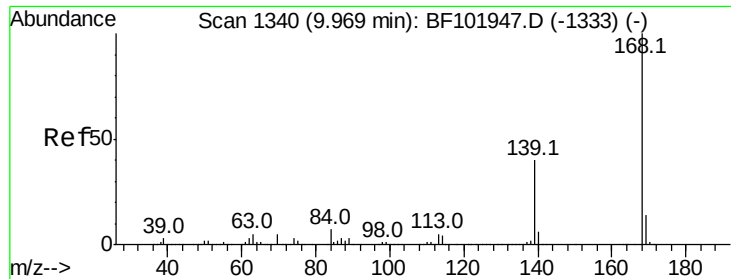
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#48
Acenaphthylene
Concen: 6.282 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF102065.D
Acq: 15 Jan 2018 16:20

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.8	16.3	24.5
153	11.6	10.7	16.1





#54

Dibenzofuran

Concen: 2.349 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF102065.D

Acq: 15 Jan 2018 16:20

Instrument :

BNA_F

ClientSampleId :

A2-SB23-W

Tot Ion:168 Resp: 75704

Ion Ratio Lower Upper

168 100

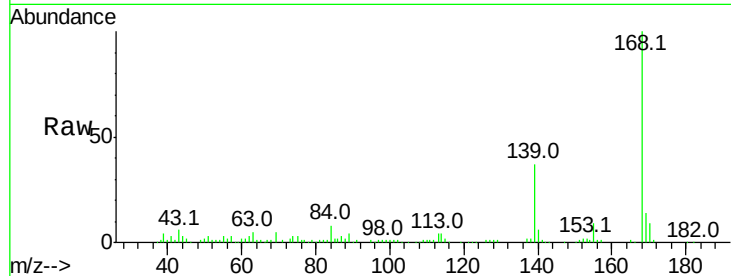
139 37.4 30.1 45.1

169 14.3 10.9 16.3

Manual Integrations
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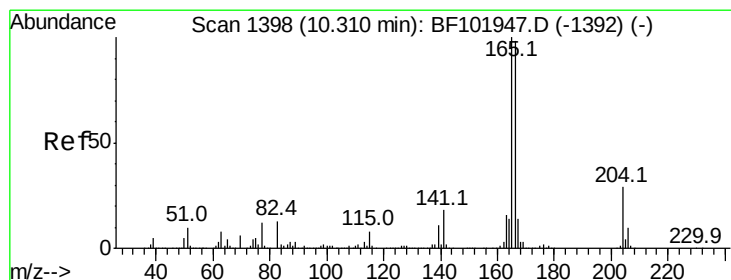
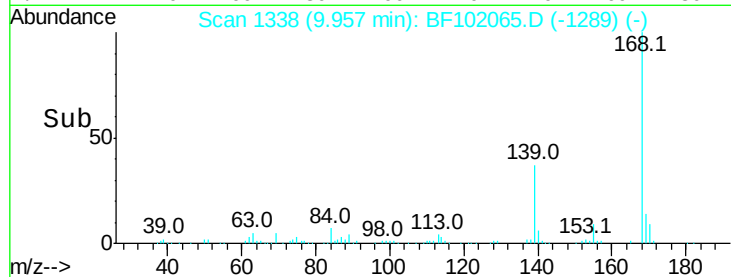
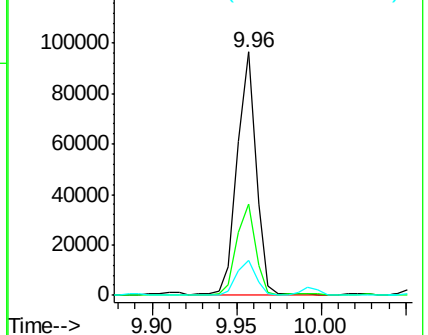
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 5.696 ng

RT: 10.30 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF102065.D

Acq: 15 Jan 2018 16:20

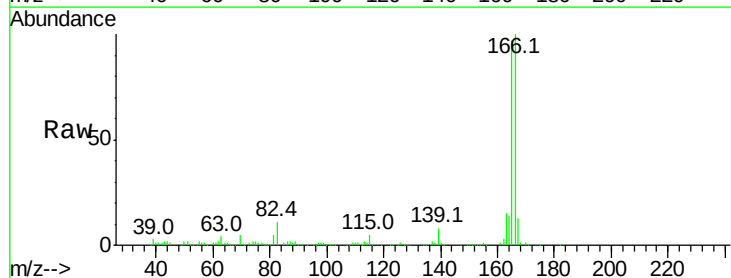
Tgt Ion:166 Resp: 126880

Ion Ratio Lower Upper

166 100

165 97.1 79.8 119.8

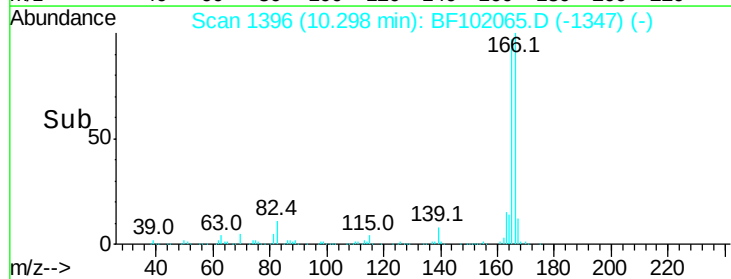
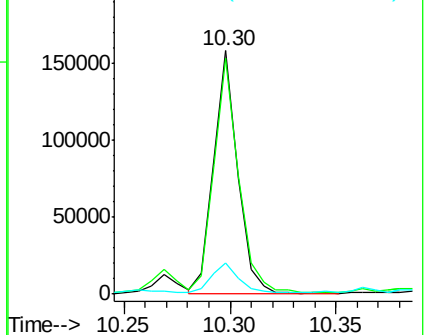
167 12.8 10.6 16.0

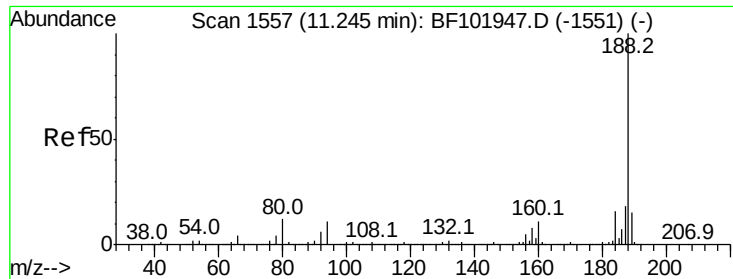


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





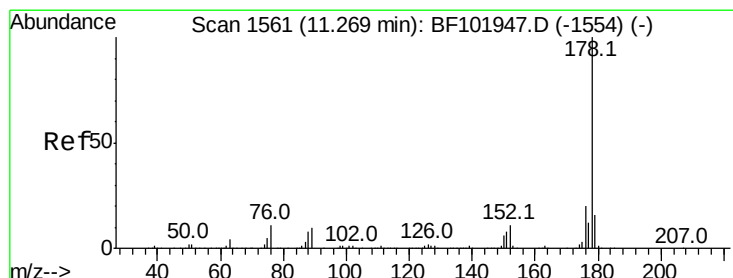
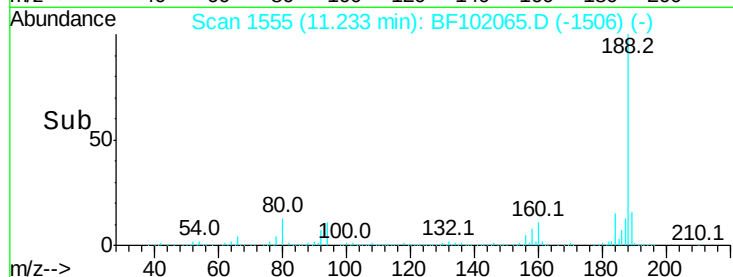
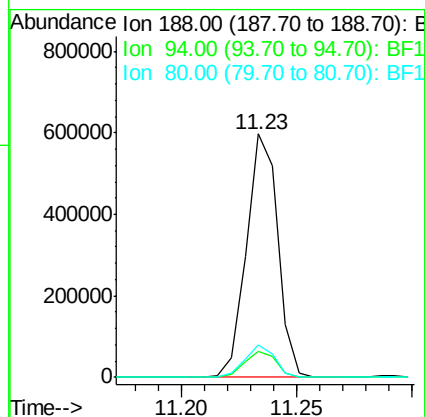
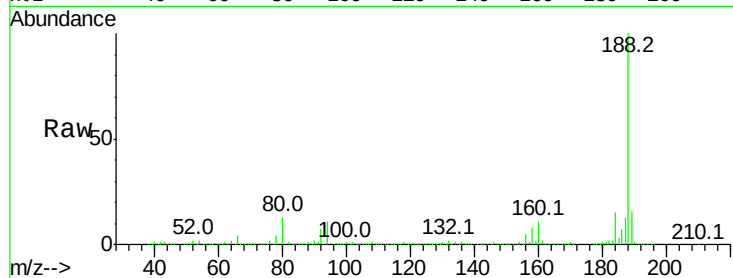
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102065.D
Acq: 15 Jan 2018 16:20

Instrument :
BNA_F
ClientSampleId :
A2-SB23-W

Tot Ion	Ratio	Resp	Lower	Upper
188	100	567398		
94	11.0		8.5	12.7
80	13.1		9.2	13.8

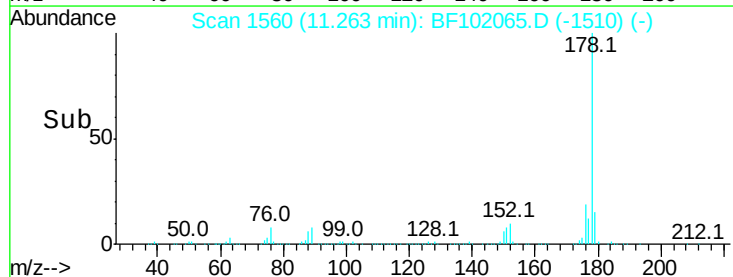
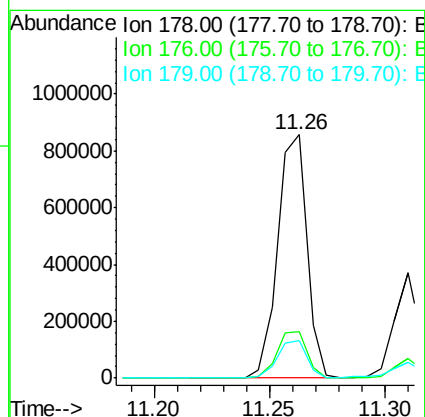
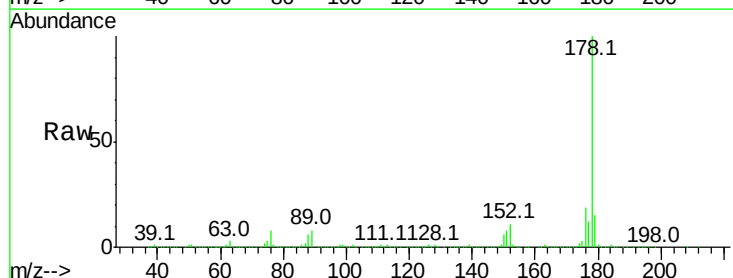
Manual Integrations
APPROVED

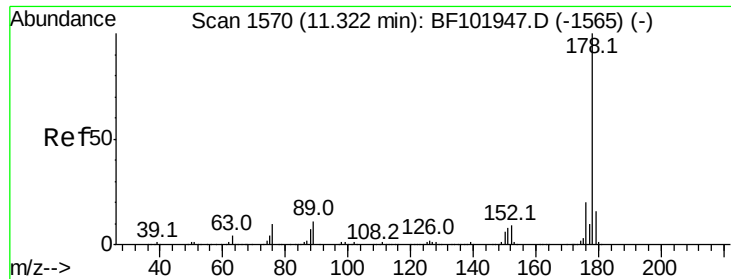
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#70
Phenanthrene
Concen: 22.717 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF102065.D
Acq: 15 Jan 2018 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	752914		
176	19.1		15.8	23.8
179	15.3		13.0	19.6





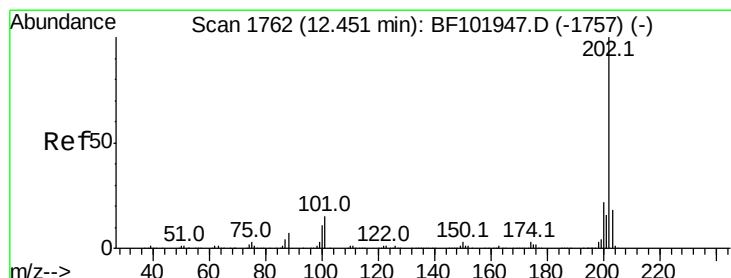
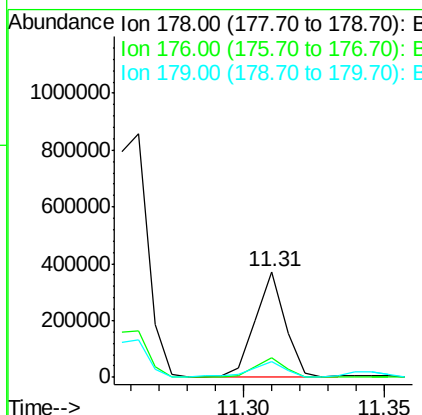
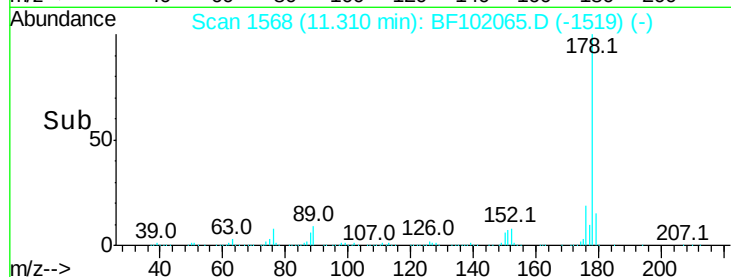
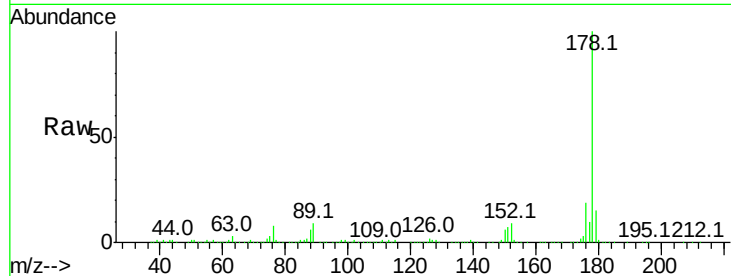
#71
 Anthracene
 Concen: 8.193 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF102065.D
 Acq: 15 Jan 2018 16:20

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB23-W

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.2	12.6	19.0

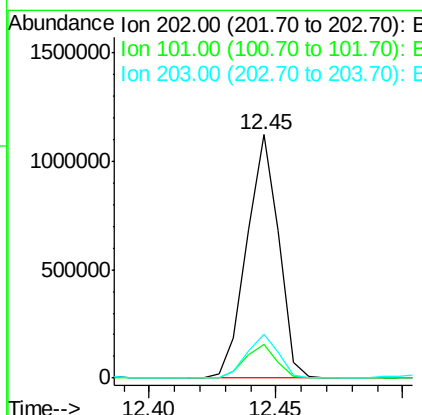
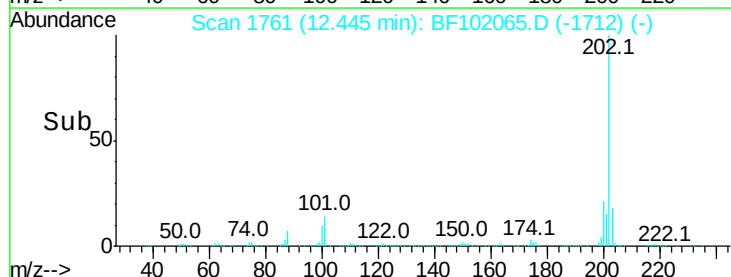
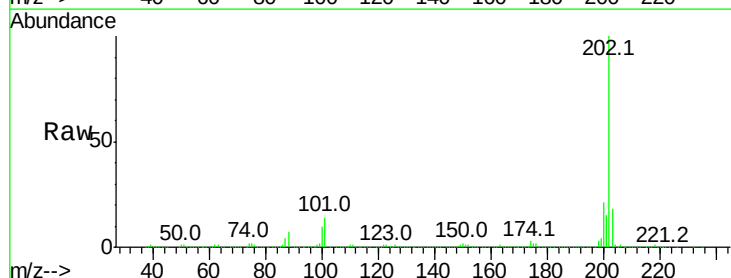
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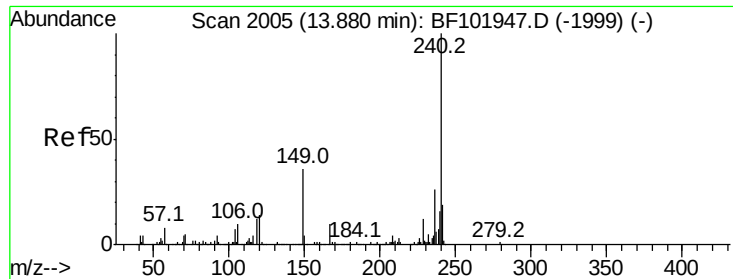
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#74
 Fluoranthene
 Concen: 29.972 ng
 RT: 12.45 min Scan# 1761
 Delta R.T. -0.01 min
 Lab File: BF102065.D
 Acq: 15 Jan 2018 16:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	34.1
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF102065.D

Acq: 15 Jan 2018 16:20

Instrument :

BNA_F

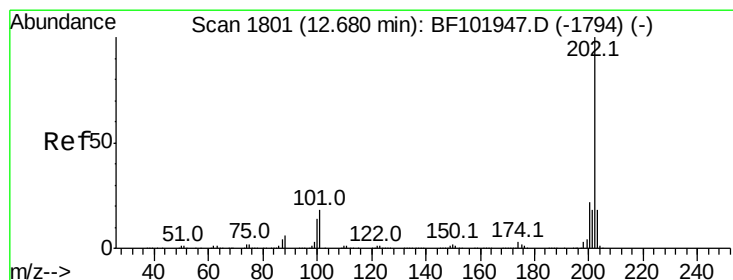
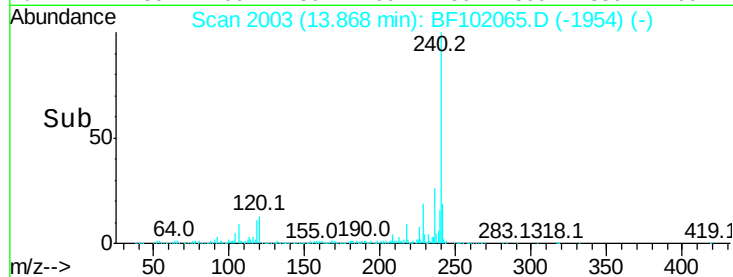
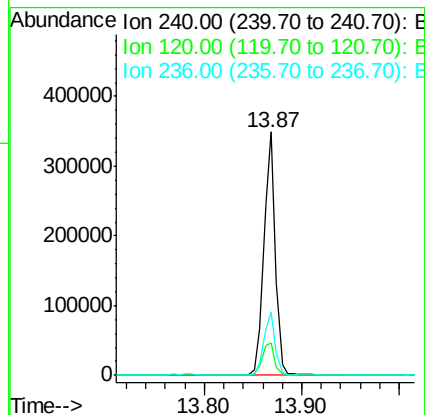
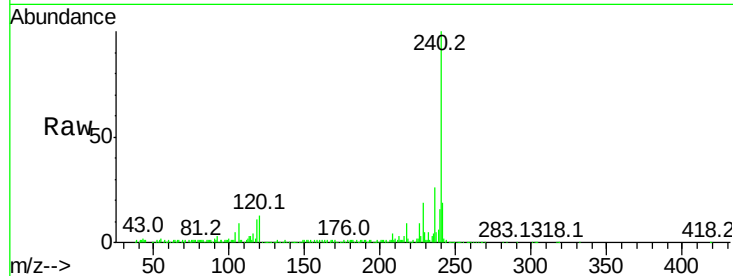
ClientSampleId :

A2-SB23-W

Tot Ion:	240	Resp:	292314
Ion Ratio	Lower	Upper	
240	100		
120	13.4	9.5	14.3
236	26.2	20.7	31.1

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#77

Pyrene

Concen: 35.415 ng

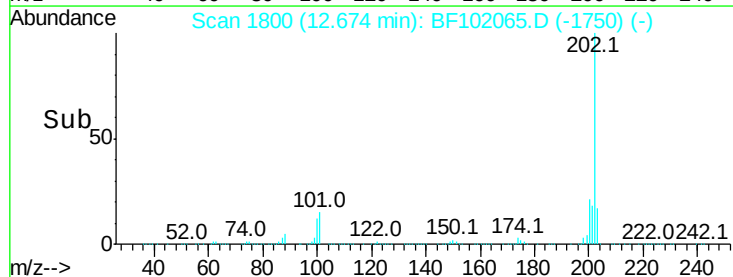
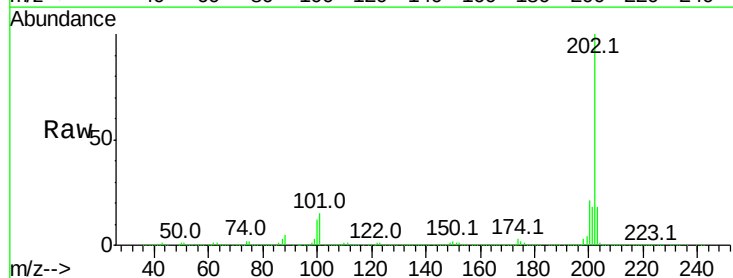
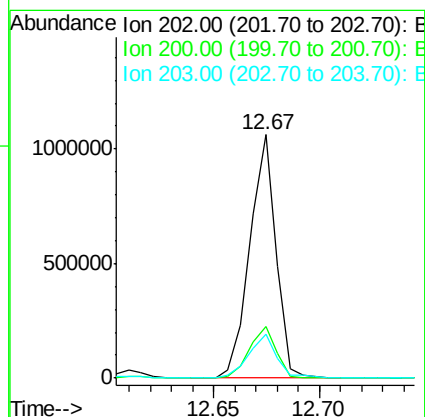
RT: 12.67 min Scan# 1800

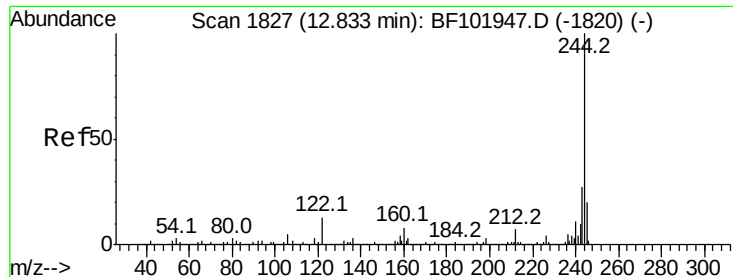
Delta R.T. -0.01 min

Lab File: BF102065.D

Acq: 15 Jan 2018 16:20

Tgt Ion:	202	Resp:	915075
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	17.9	14.3	21.5





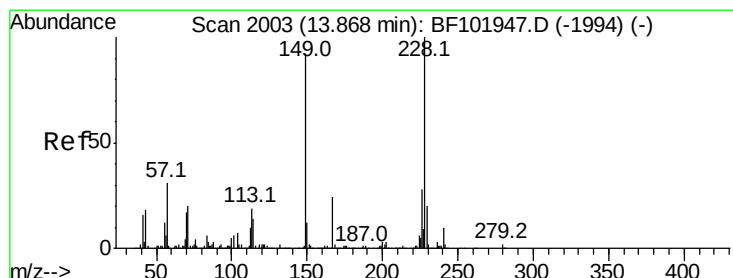
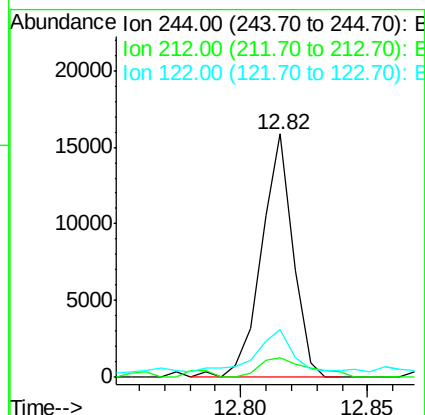
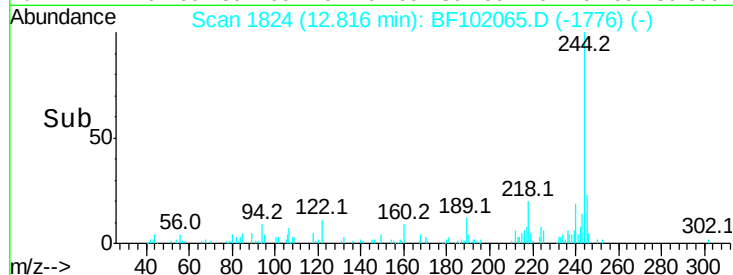
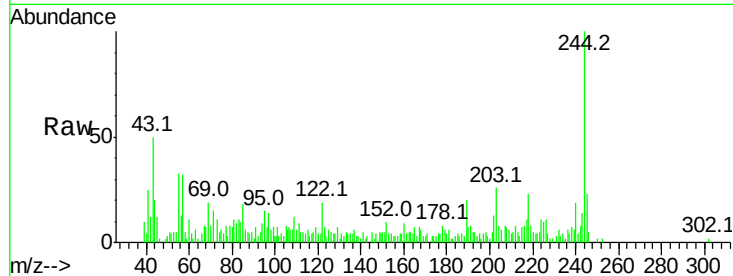
#78
 Terphenyl-d14
 Concen: 0.966 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BF102065.D
 Acq: 15 Jan 2018 16:20

Instrument :
 BNA_F
 ClientSampled :
 A2-SB23-W

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.2	5.4	8.0#
122	19.5	11.0	16.4#

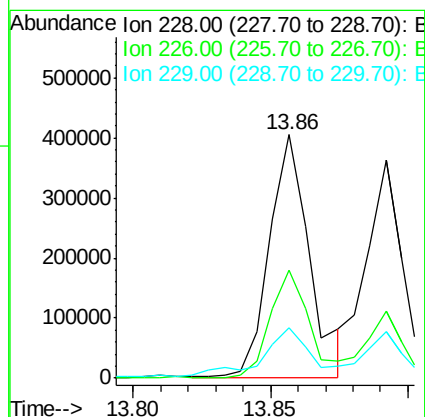
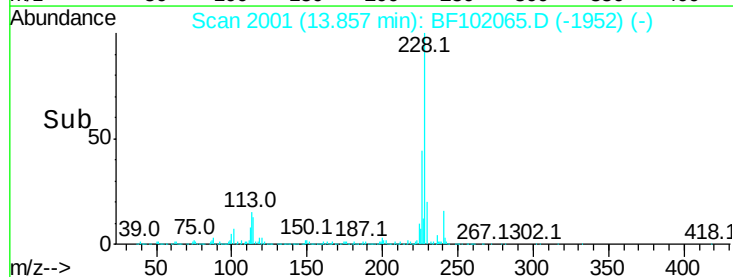
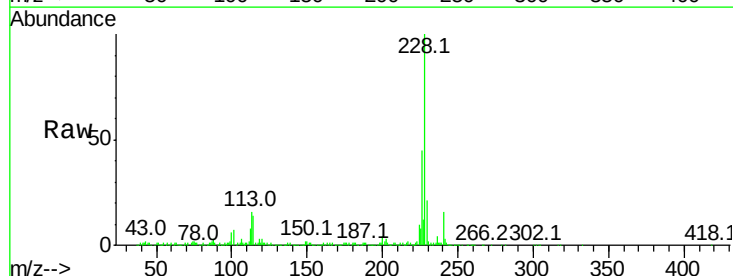
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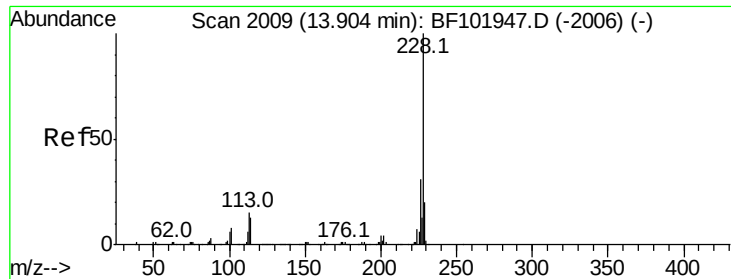
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#80
 Benzo(a)anthracene
 Concen: 22.082 ng m
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.01 min
 Lab File: BF102065.D
 Acq: 15 Jan 2018 16:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	44.5	22.6	33.8#
229	20.6	15.8	23.6





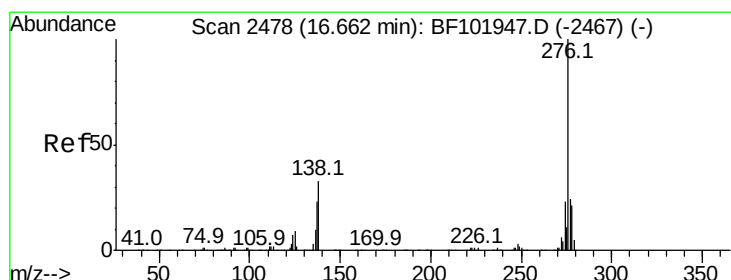
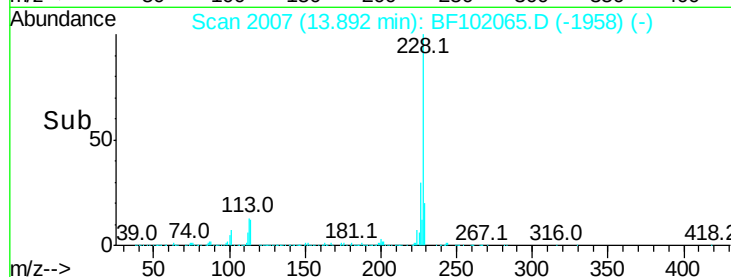
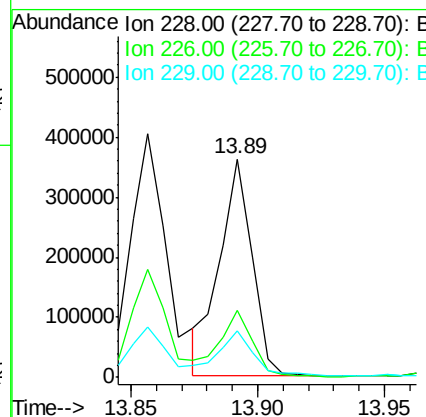
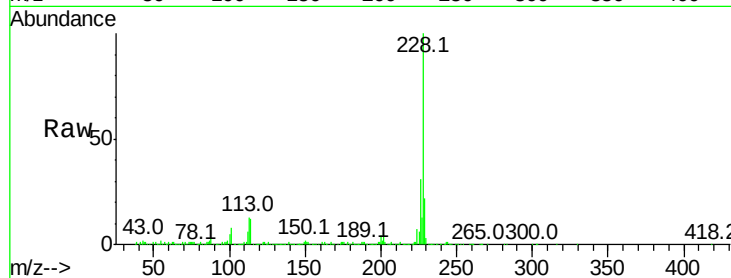
#82
Chrysene
Concen: 16.655 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF102065.D
Acq: 15 Jan 2018 16:20

Instrument :
BNA_F
ClientSampleId :
A2-SB23-W

Tot Ion:	228	Resp:	323905
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.0	37.6
229	21.6	16.2	24.4

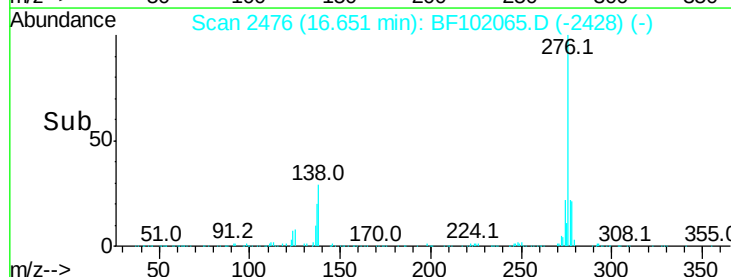
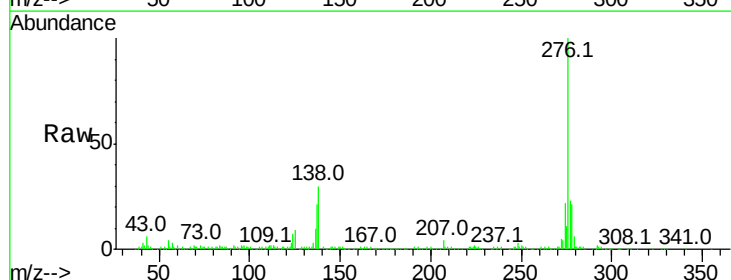
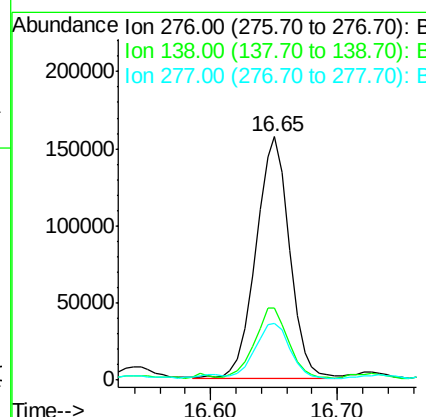
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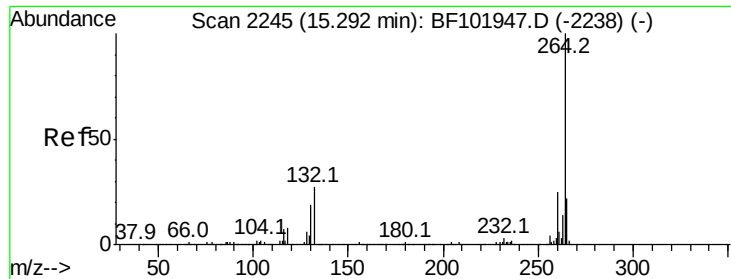
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#85
Indeno(1,2,3-cd)pyrene
Concen: 20.355 ng
RT: 16.65 min Scan# 2476
Delta R.T. -0.02 min
Lab File: BF102065.D
Acq: 15 Jan 2018 16:20

Tgt Ion:	276	Resp:	288119
Ion Ratio	Lower	Upper	
276	100		
138	29.0	25.0	37.6
277	23.9	20.1	30.1





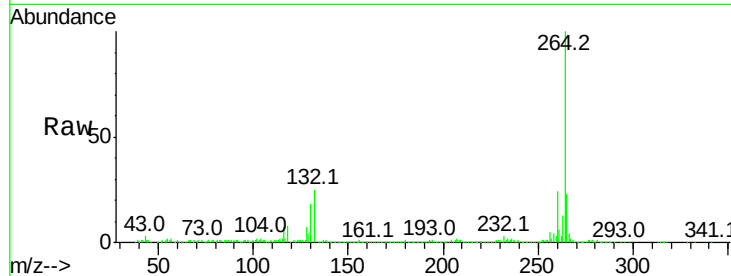
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. -0.01 min
Lab File: BF102065.D
Acq: 15 Jan 2018 16:20

Instrument :
BNA_F
ClientSampled :
A2-SB23-W

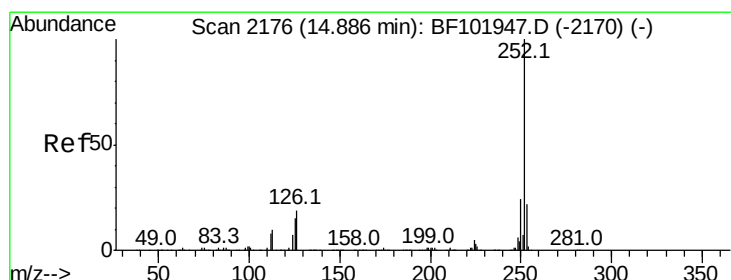
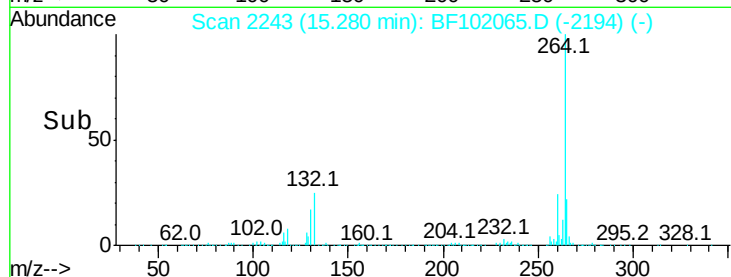
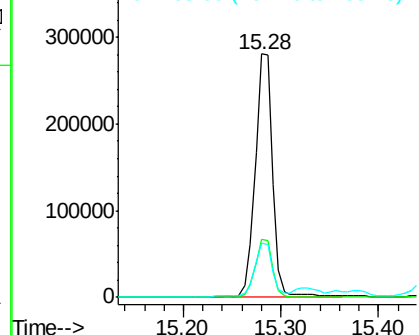
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.5	17.5	26.3

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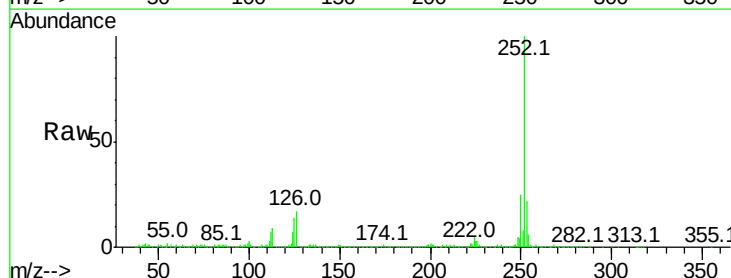


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

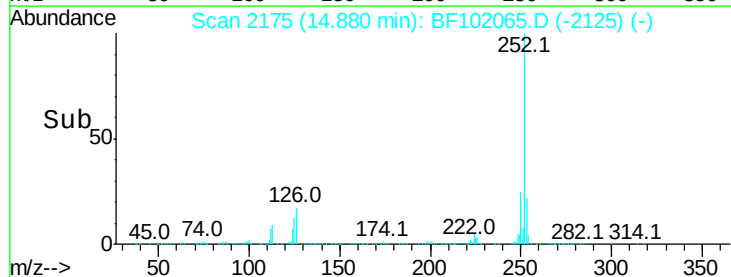
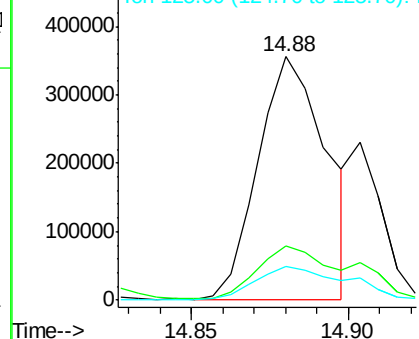


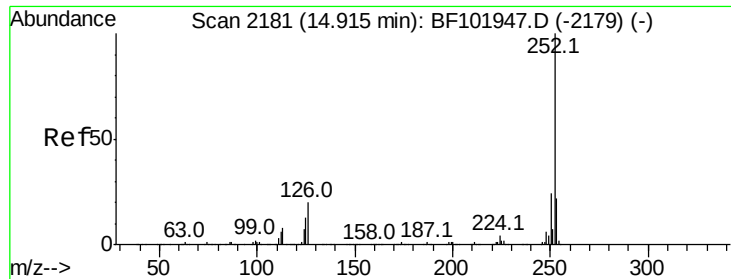
#87
Benzo(b)fluoranthene
Concen: 23.461 ng m
RT: 14.88 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BF102065.D
Acq: 15 Jan 2018 16:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	13.8	9.0	13.6#



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





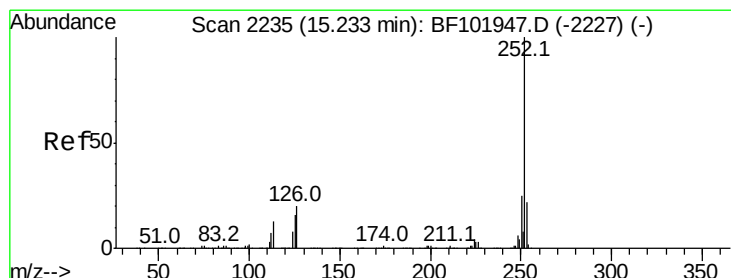
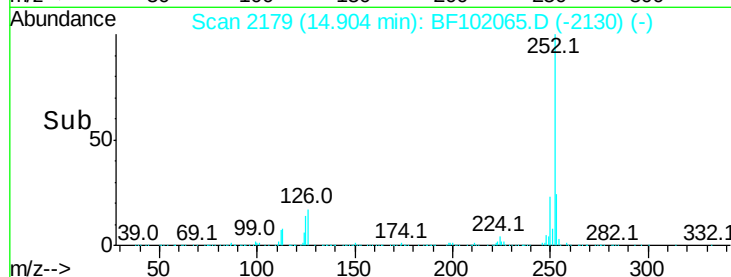
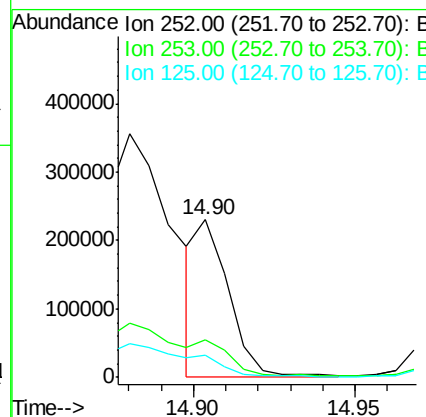
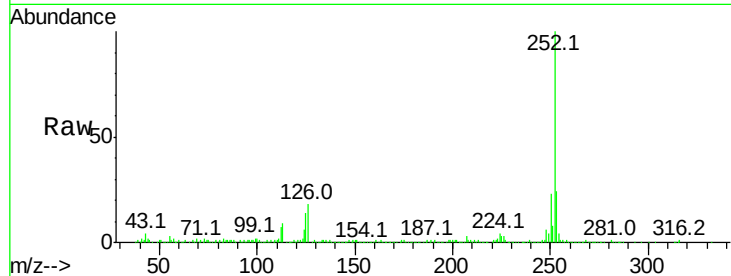
#88
Benzo(k)fluoranthene
Concen: 7.176 ng
RT: 14.90 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BF102065.D
Acq: 15 Jan 2018 16:20

Instrument :
BNA_F
ClientSampled :
A2-SB23-W

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	14.1	10.2	15.2

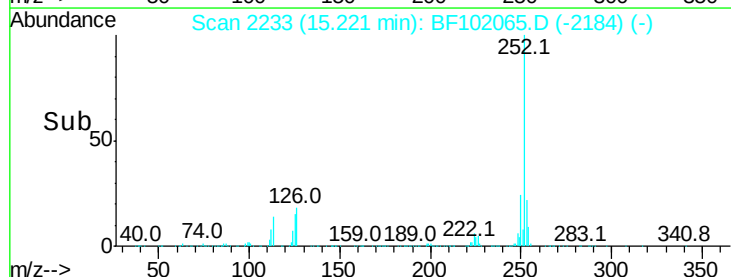
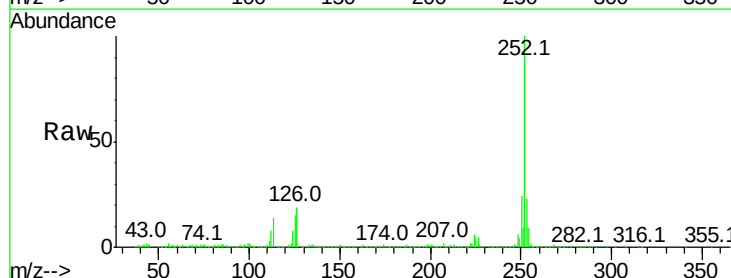
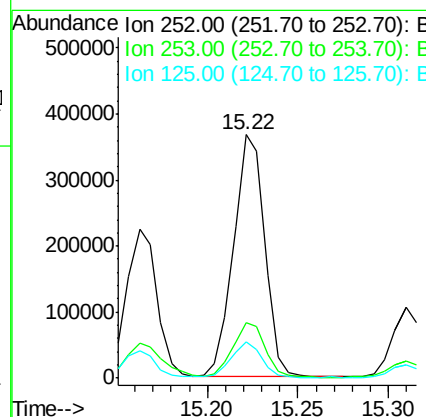
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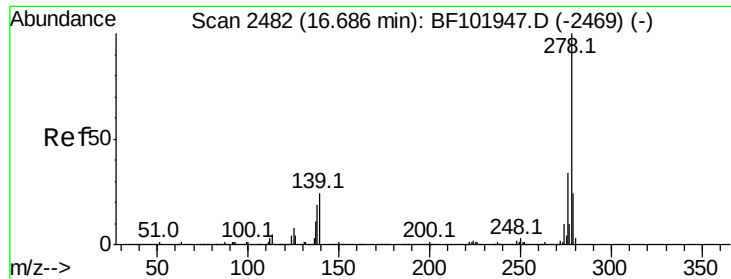
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#89
Benzo(a)pyrene
Concen: 21.124 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF102065.D
Acq: 15 Jan 2018 16:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	15.1	9.8	14.6





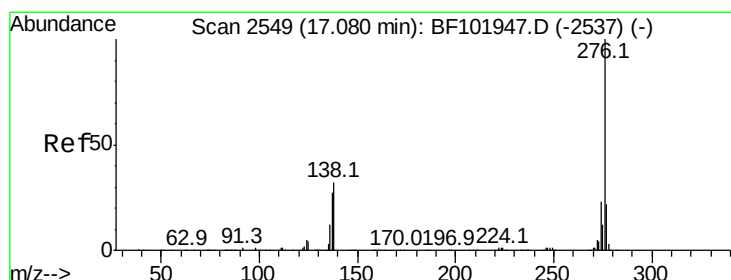
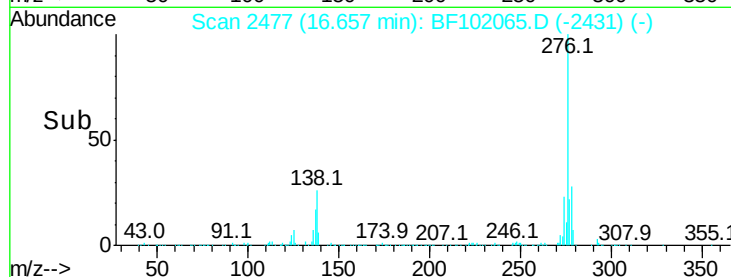
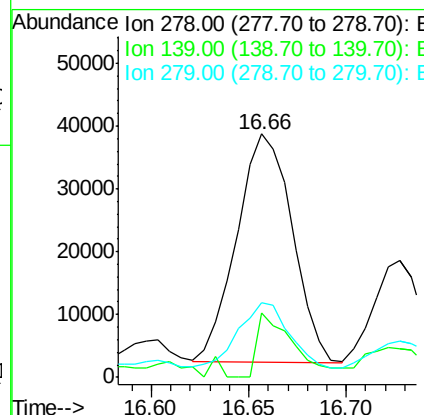
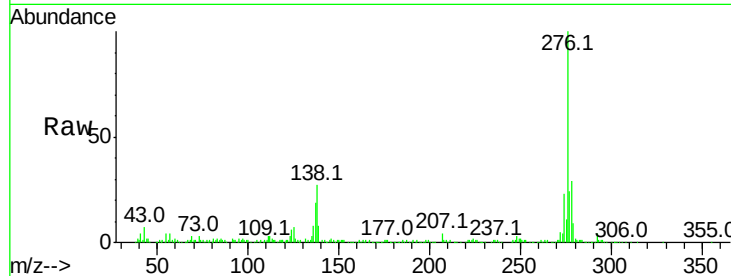
#90
Dibenzo(a,h)anthracene
Concen: 4.316 ng
RT: 16.66 min Scan# 2477
Delta R.T. -0.03 min
Lab File: BF102065.D
Acq: 15 Jan 2018 16:20

Instrument :
BNA_F
ClientSampled :
A2-SB23-W

Tot Ion	Ratio	Lower	Upper
278	100		
139	26.3	15.9	23.9#
279	30.4	19.0	28.4#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 16.481 ng
RT: 17.06 min Scan# 2546
Delta R.T. -0.02 min
Lab File: BF102065.D
Acq: 15 Jan 2018 16:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.9	26.9
138	31.3	21.8	32.8

