

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011918\
 Data File : BF102215.D
 Acq On : 19 Jan 2018 11:57
 Operator : SJ/JU
 Sample : J1200-01 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB74-100_N_8

Manual Integrations
 APPROVED

Sohil
 1/22/2018 5:23:53 PM

Quant Time: Jan 19 13:57:19 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	135715	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	563152	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	259052	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	406601	20.00	ng	0.00
75) Chrysene-d12	13.87	240	288260	20.00	ng	0.00
86) Perylene-d12	15.30	264	263105	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	180923	18.82	ng	-0.01
7) Phenol-d6	6.35	99	229092	19.98	ng	-0.02
23) Nitrobenzene-d5	7.28	82	138635	14.47	ng	-0.02
41) 2,4,6-Tribromophenol	10.55	330	44033	19.48	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	266763	16.09	ng	0.00
78) Terphenyl-d14	12.82	244	217006	15.63	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.03	128	812461	28.872	ng	100
37) 2-Methylnaphthalene	8.72	142	84482	4.560	ng	97
48) Acenaphthylene	9.62	152	114985	4.081	ng	98
51) Acenaphthene	9.79	154	139042	8.130	ng	99
54) Dibenzofuran	9.96	168	144494	6.156	ng	98
57) Fluorene	10.30	166	170831	10.528	ng	98
70) Phenanthrene	11.27	178	746227	31.419	ng	98
71) Anthracene	11.32	178	220573	9.157	ng	99
72) Carbazole	11.47	167	75080	3.171	ng	99
74) Fluoranthene	12.45	202	788904	33.760	ng	99
77) Pyrene	12.68	202	654679	25.693	ng	100
80) Benzo(a)anthracene	13.87	228	351161m	19.093	ng	
82) Chrysene	13.90	228	275832	14.383	ng	97
85) Indeno(1,2,3-cd)pyrene	16.67	276	133374	9.555	ng	93
87) Benzo(b)fluoranthene	14.89	252	374643m	21.838	ng	
88) Benzo(k)fluoranthene	14.92	252	107566m	6.500	ng	
89) Benzo(a)pyrene	15.24	252	259243	16.793	ng	97
90) Dibenzo(a,h)anthracene	16.69	278	35777	2.904	ng	# 94
91) Benzo(a,h,i)perylene	17.09	276	116134	9.358	ng	98

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

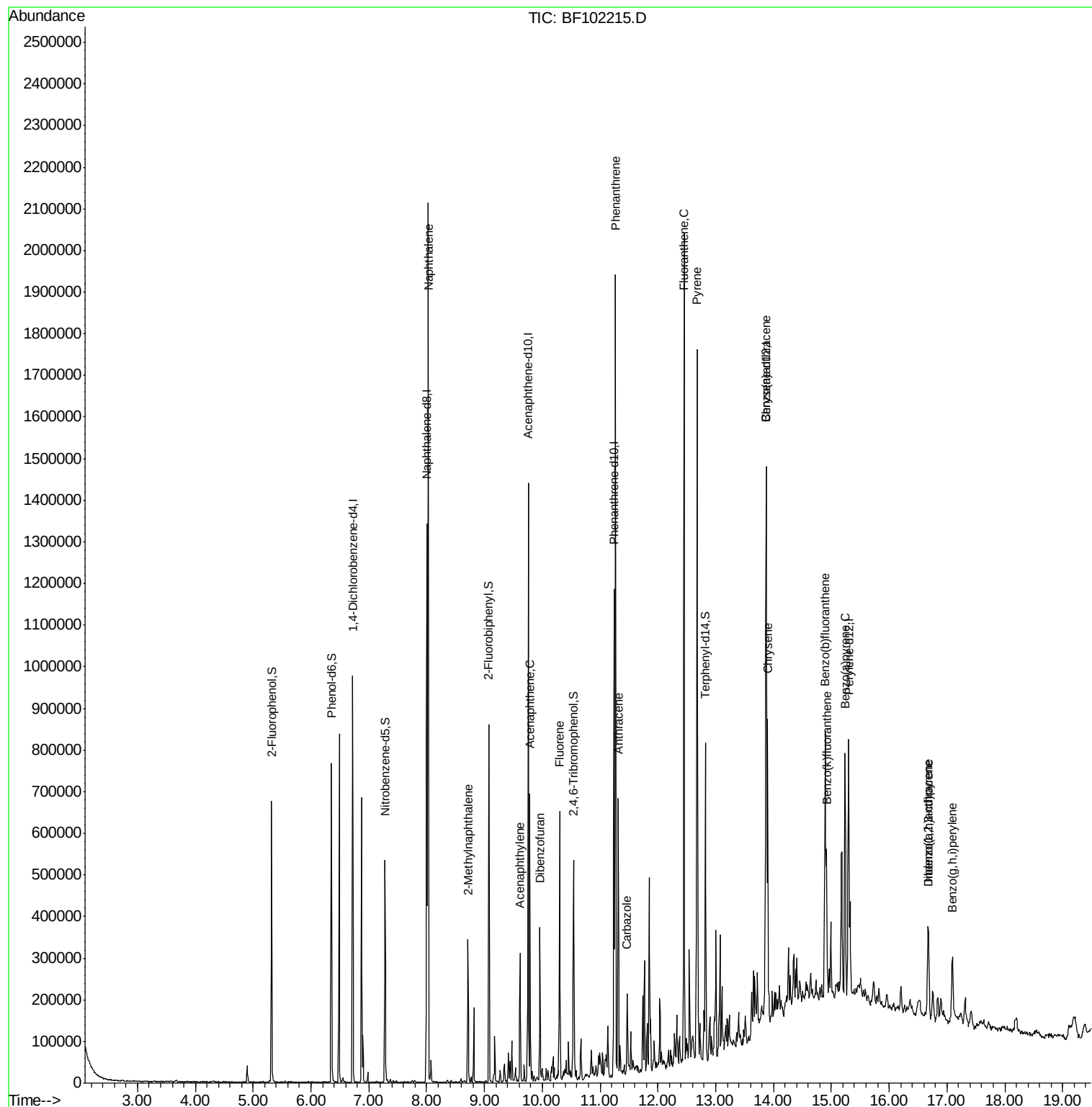
Data Path : Z:\HPCHEM1\BNA F\DATA\BF011918\
Data File : BF102215.D
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Sample : J1200-01 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

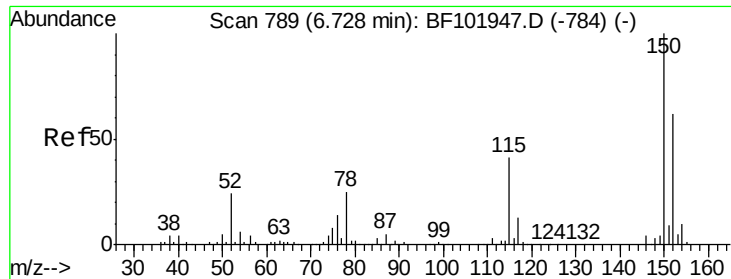
Instrument :
BNA_F
ClientSampleId :
A2 SB74-100_N_8

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Quant Time: Jan 19 13:57:19 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

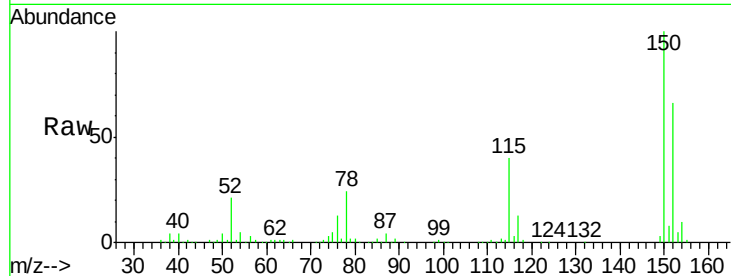
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF102215.D
Acq: 19 Jan 2018 11:57

Instrument :
BNA_F
ClientSampleId :
A2_SB74-100_N_8

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.0	124.6	186.8
115	60.8	50.1	75.1

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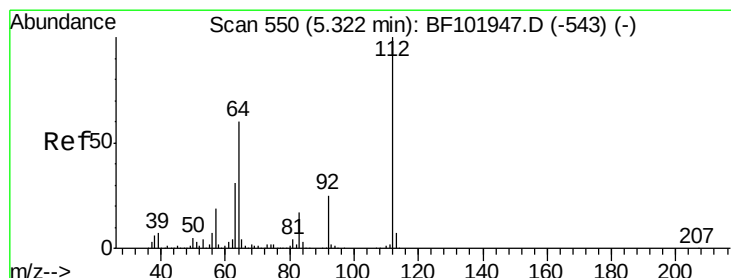
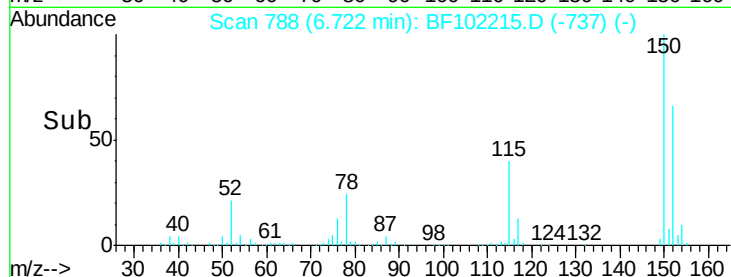
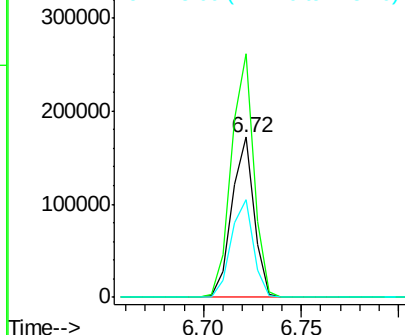


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

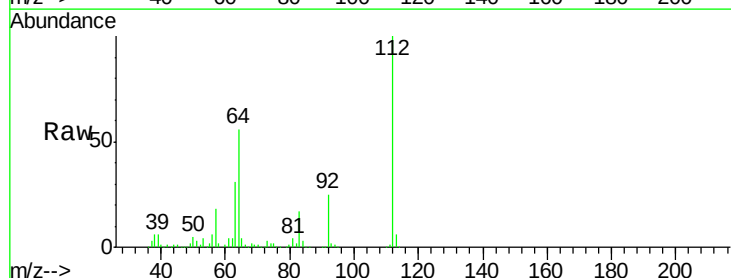
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 18.825 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF102215.D
Acq: 19 Jan 2018 11:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	47.9	71.9
63	30.8	23.7	35.5

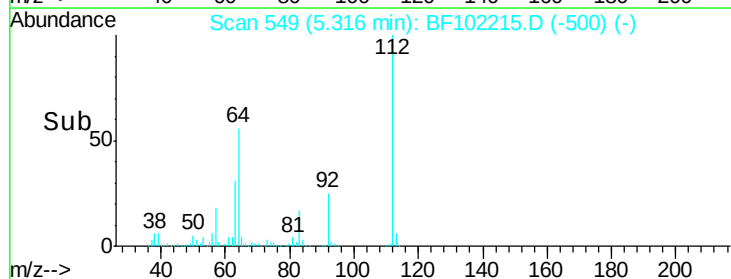
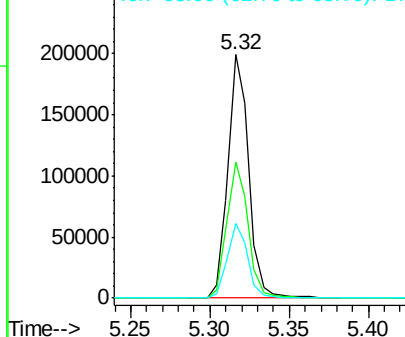


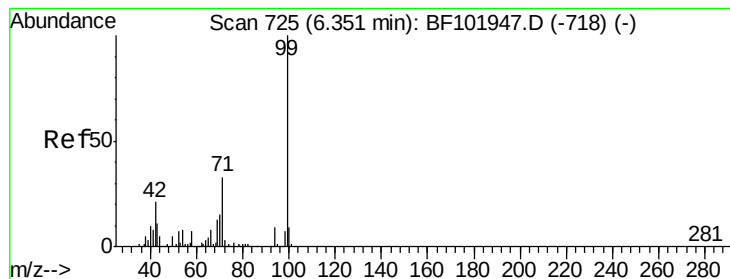
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 19.979 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF102215.D

Acq: 19 Jan 2018 11:57

Instrument :

BNA_F

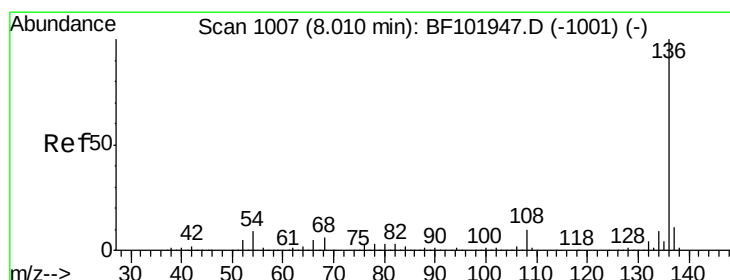
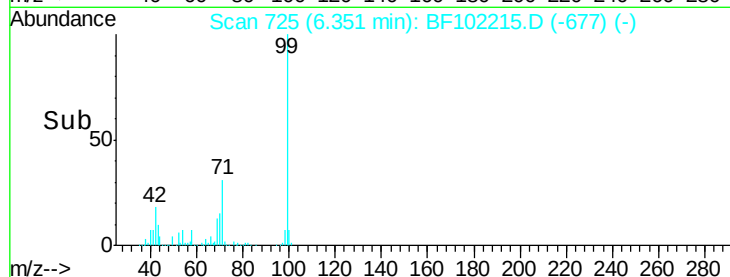
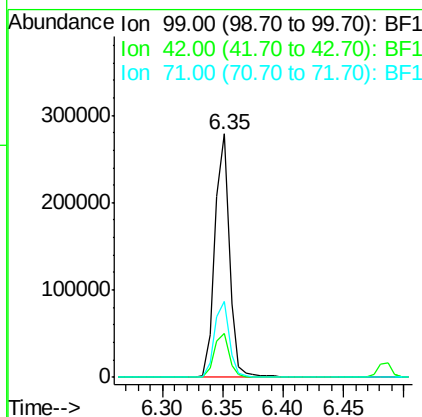
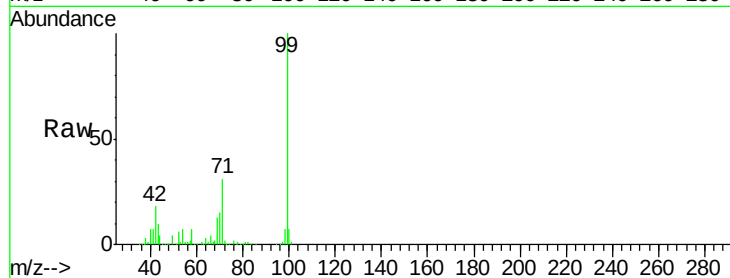
ClientSampleId :

A2_SB74-100_N_8

Tot Ion:	99	Resp:	229092
Ion Ratio	Lower	Upper	
99	100		
42	18.2	14.5	21.7
71	31.1	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

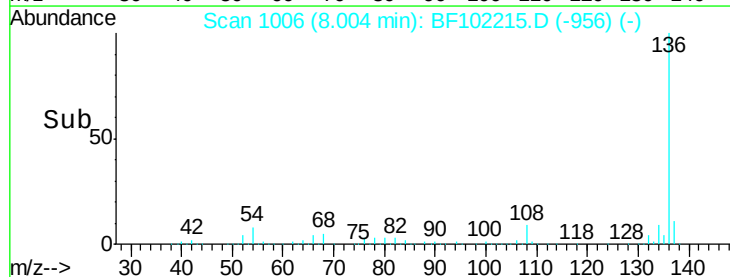
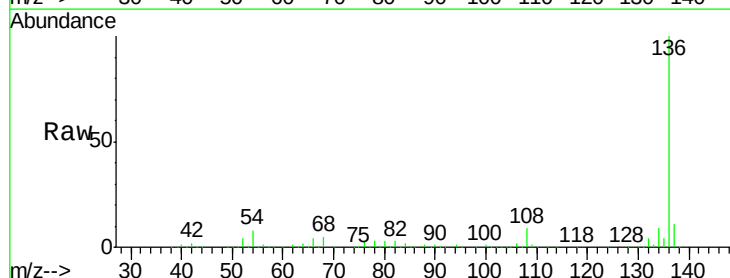
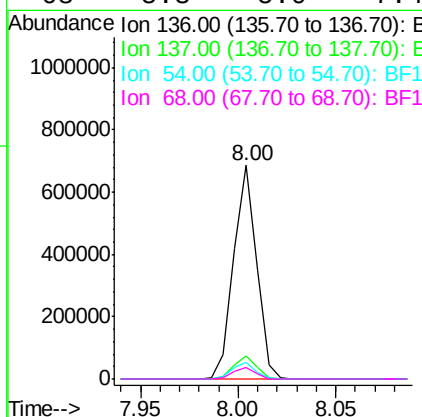
RT: 8.00 min Scan# 1006

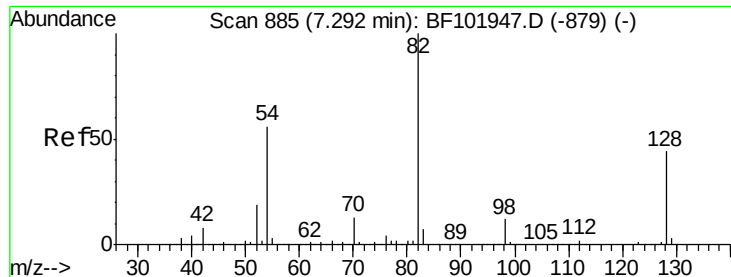
Delta R.T. -0.01 min

Lab File: BF102215.D

Acq: 19 Jan 2018 11:57

Tgt Ion:	136	Resp:	563152
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	7.7	6.6	9.8
68	5.3	5.0	7.4





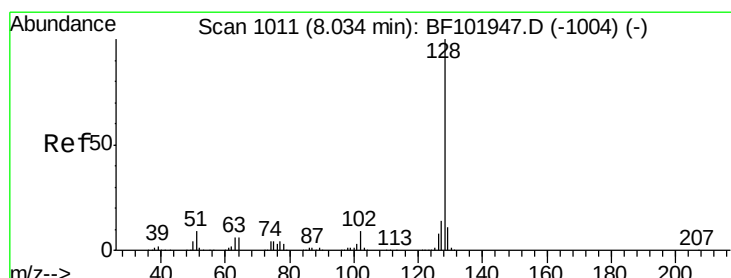
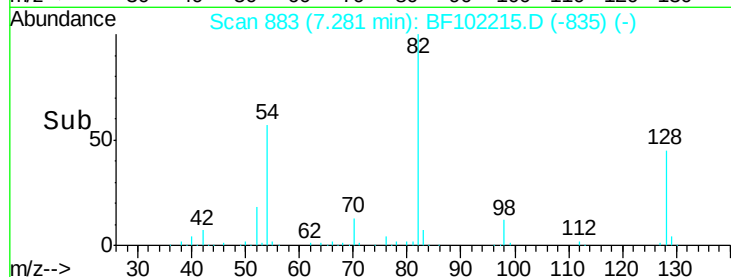
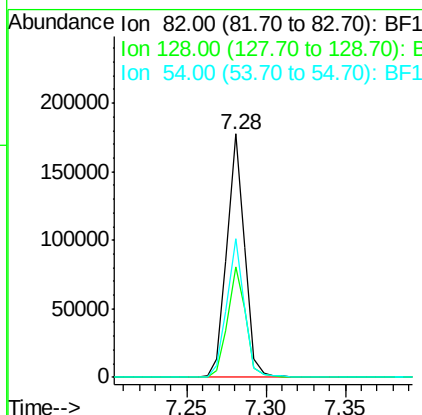
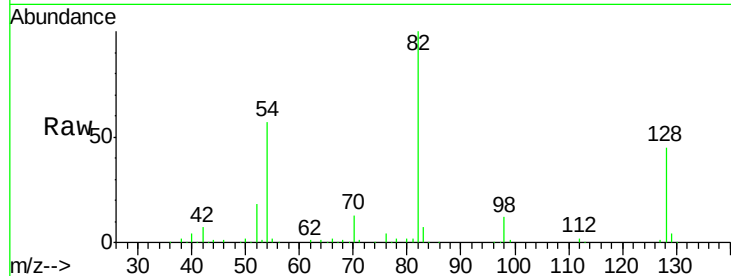
#23
Nitrobenzene-d5
Concen: 14.466 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF102215.D
Acq: 19 Jan 2018 11:57

Instrument :
BNA_F
ClientSampleId :
A2_SB74-100_N_8

Tot Ion	82	Resp	138635
Ion Ratio	100	Lower	Upper
128	45.4	36.1	54.1
54	57.1	41.4	62.2

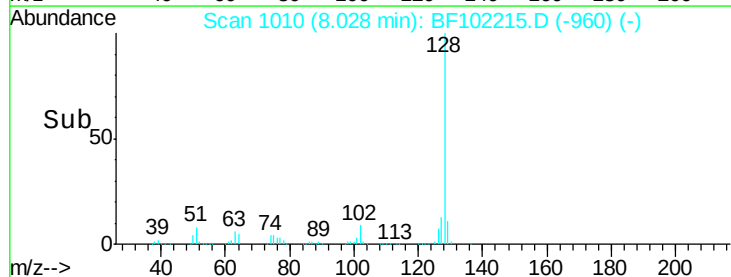
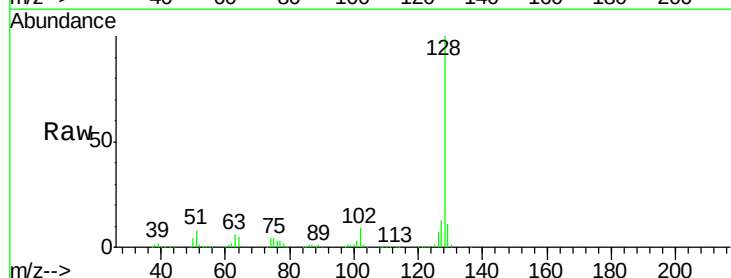
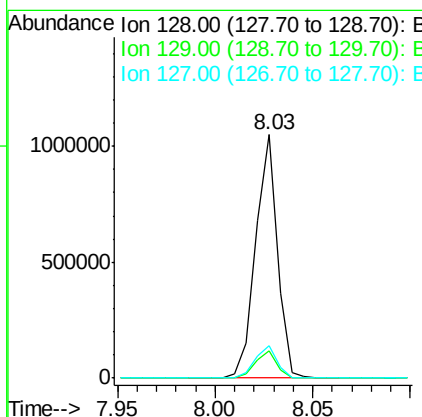
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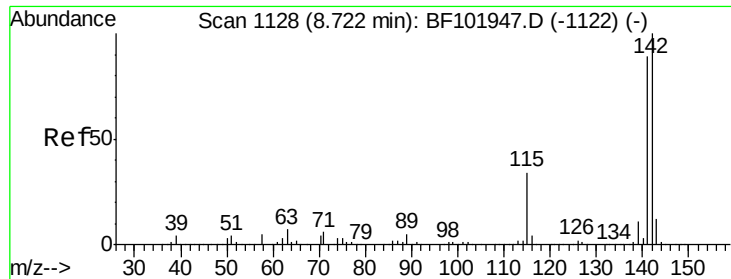
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#31
Naphthalene
Concen: 28.872 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF102215.D
Acq: 19 Jan 2018 11:57

Tgt Ion	128	Resp	812461
Ion Ratio	100	Lower	Upper
129	11.0	8.8	13.2
127	13.5	10.9	16.3





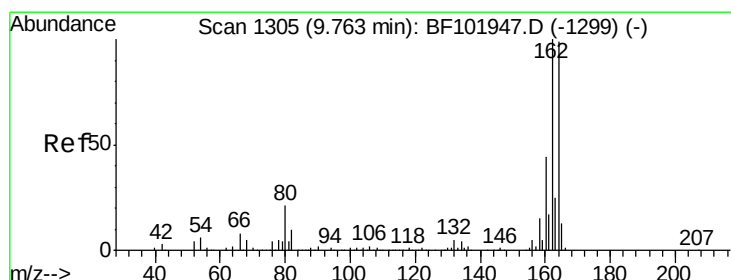
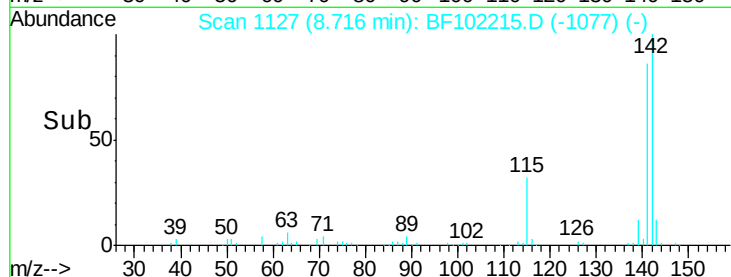
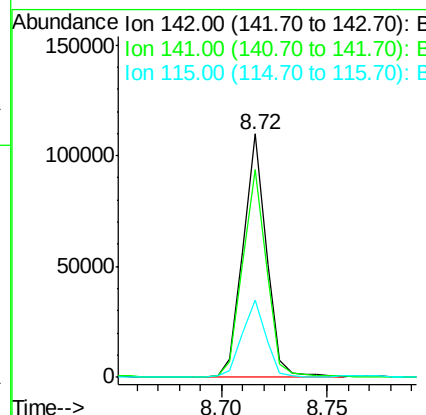
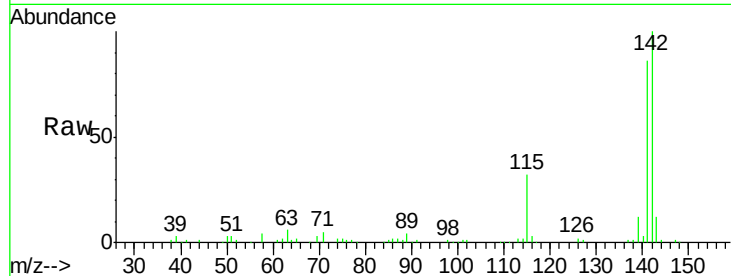
#37
2-Methylnaphthalene
Concen: 4.560 ng
RT: 8.72 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF102215.D
Acq: 19 Jan 2018 11:57

Instrument :
BNA_F
ClientSampleId :
A2_SB74-100_N_8

Tot Ion	Ratio	Lower	Upper
142	100		
141	85.6	70.8	106.2
115	31.9	26.1	39.1

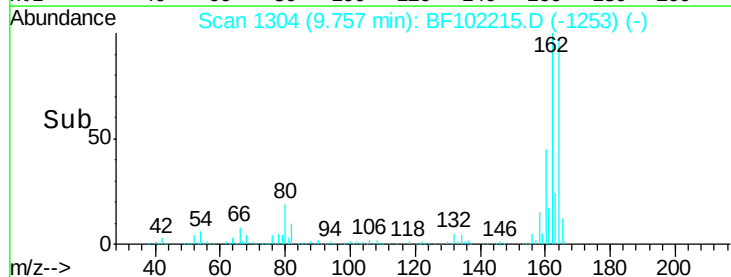
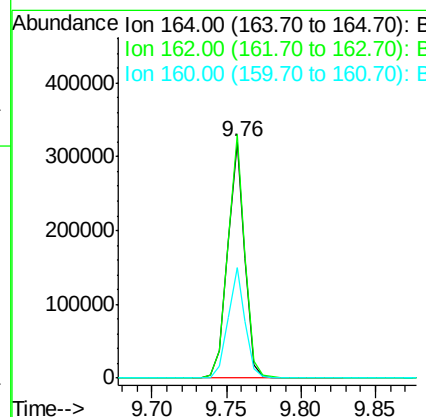
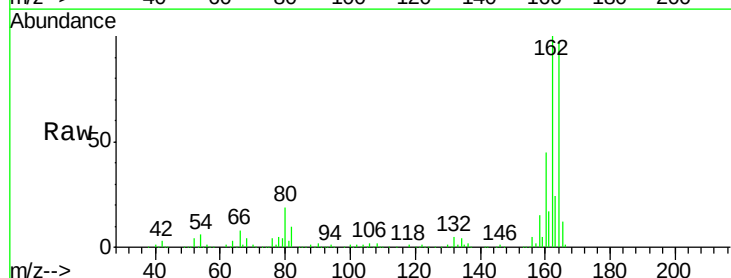
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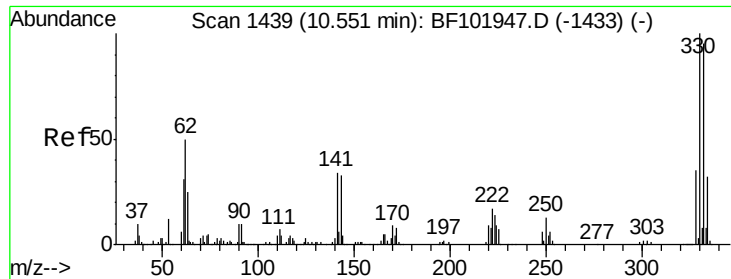
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.00 min
Lab File: BF102215.D
Acq: 19 Jan 2018 11:57

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	86.1	129.1
160	46.8	38.3	57.5





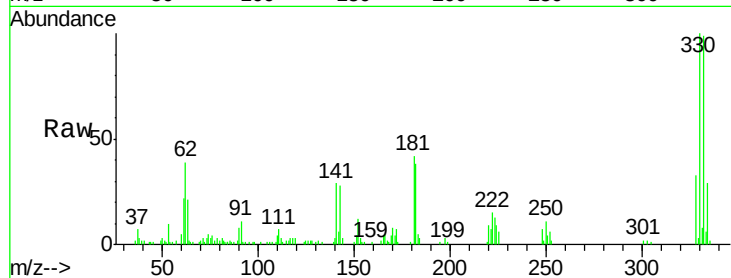
#41
 2,4,6-Tribromophenol
 Concen: 19.477 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF102215.D
 Acq: 19 Jan 2018 11:57

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB74-100_N_8

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	42.8	29.9	44.9

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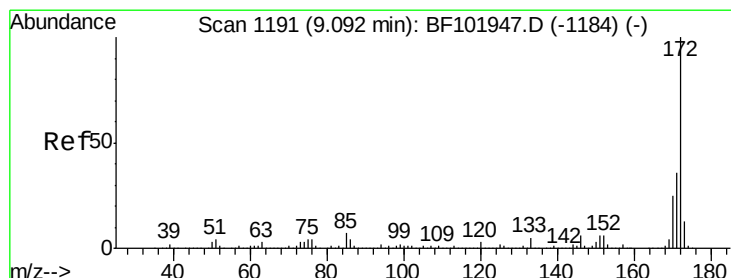
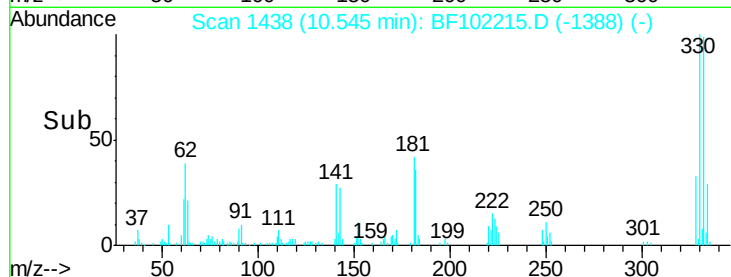
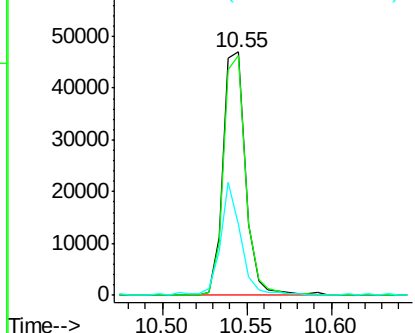


Abundance

Ion 329.80 (329.50 to 330.50): E

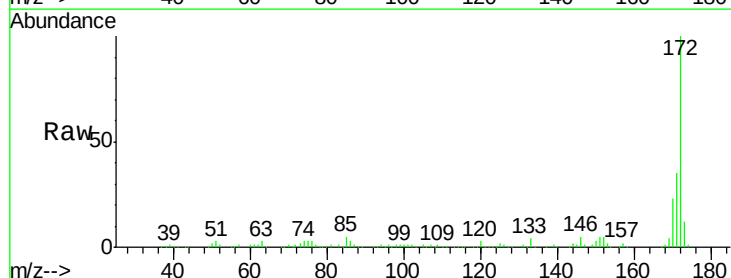
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 16.088 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102215.D
 Acq: 19 Jan 2018 11:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.7	44.5
170	23.1	19.6	29.4

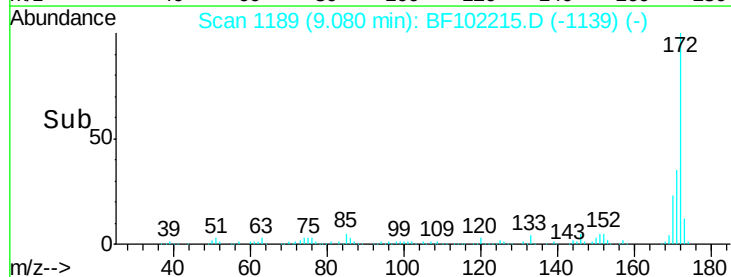
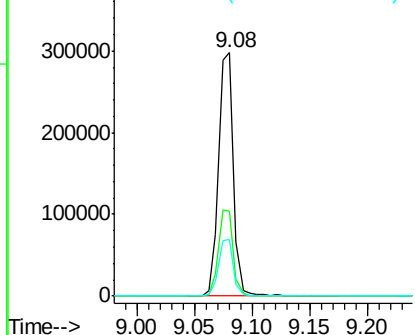


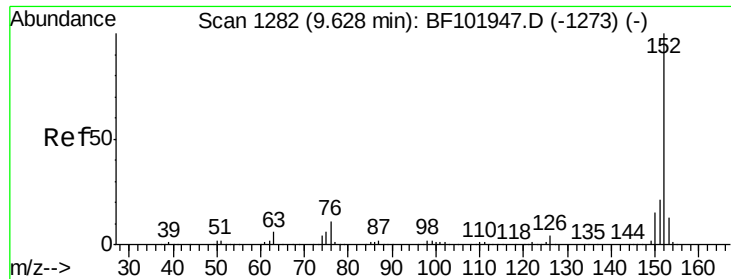
Abundance

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





#48

Acenaphthylene

Concen: 4.081 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF102215.D

Acq: 19 Jan 2018 11:57

Instrument :

BNA_F

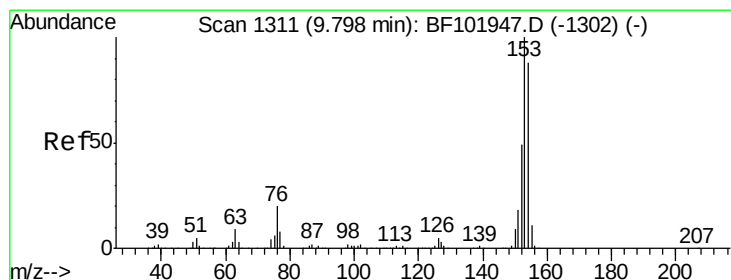
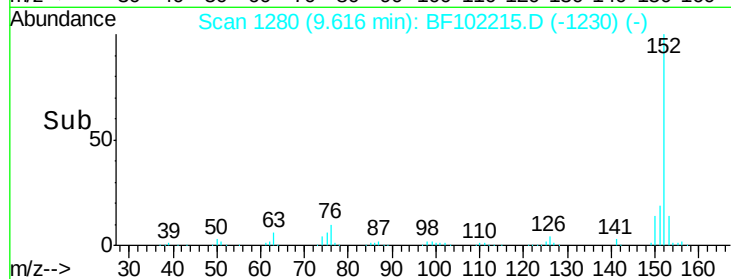
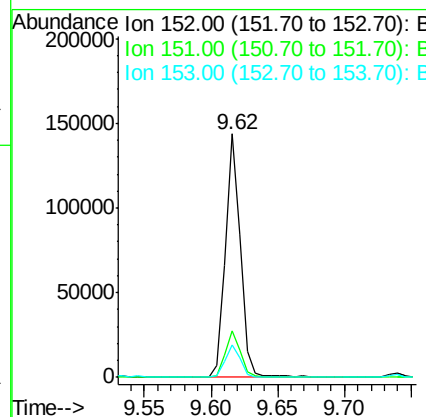
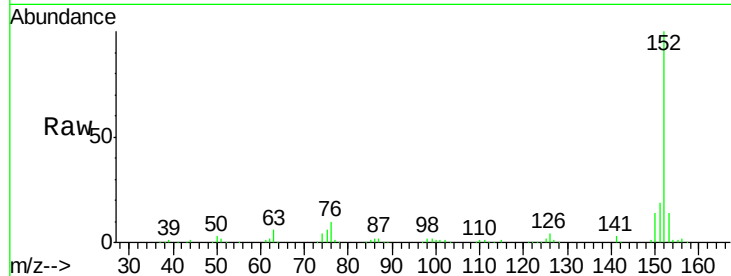
ClientSampleId :

A2_SB74-100_N_8

Tot Ion:	152	Resp:	114985
Ion Ratio	Lower	Upper	
152	100		
151	18.9	16.3	24.5
153	13.5	10.7	16.1

Manual Integrations
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#51

Acenaphthene

Concen: 8.130 ng

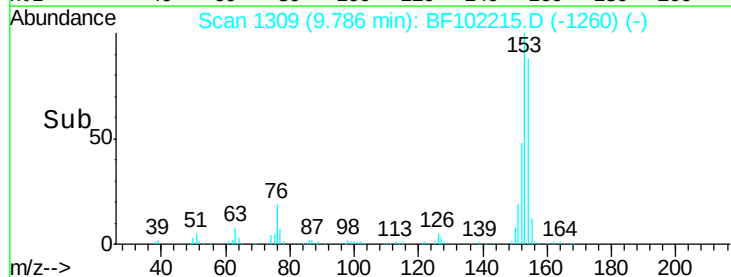
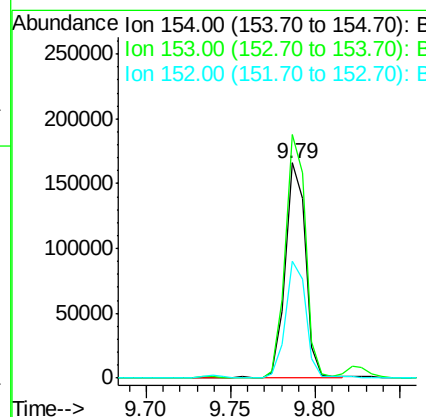
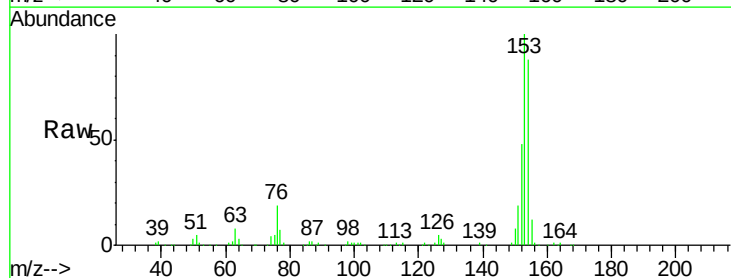
RT: 9.79 min Scan# 1309

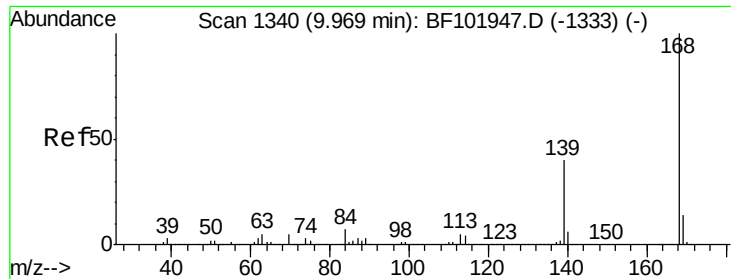
Delta R.T. -0.01 min

Lab File: BF102215.D

Acq: 19 Jan 2018 11:57

Tgt Ion:	154	Resp:	139042
Ion Ratio	Lower	Upper	
154	100		
153	113.1	91.2	136.8
152	54.1	43.8	65.8





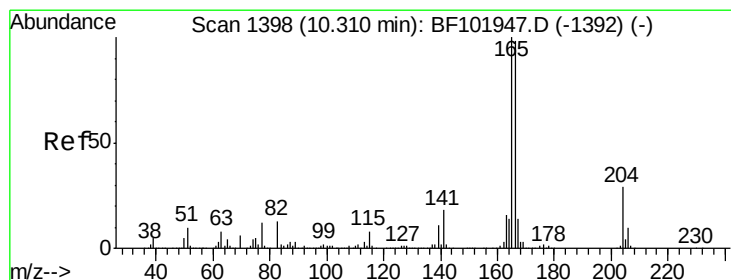
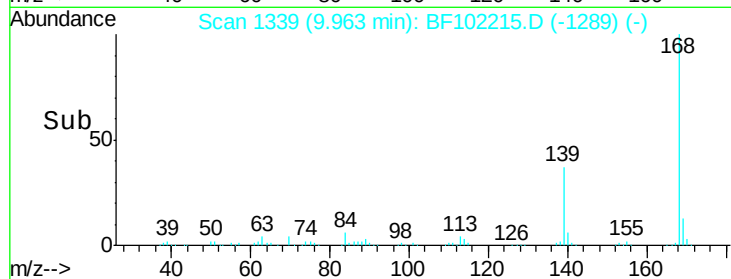
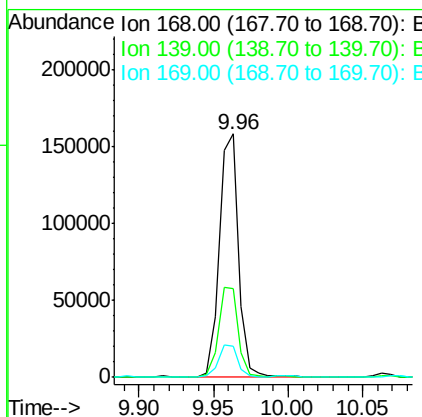
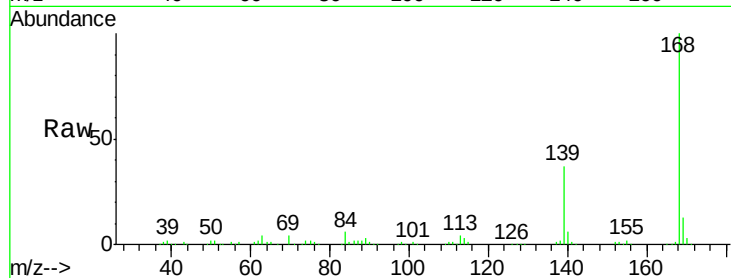
#54
Dibenzofuran
Concen: 6.156 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF102215.D
Acq: 19 Jan 2018 11:57

Instrument :
BNA_F
ClientSampleId :
A2_SB74-100_N_8

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.7	30.1	45.1
169	12.9	10.9	16.3

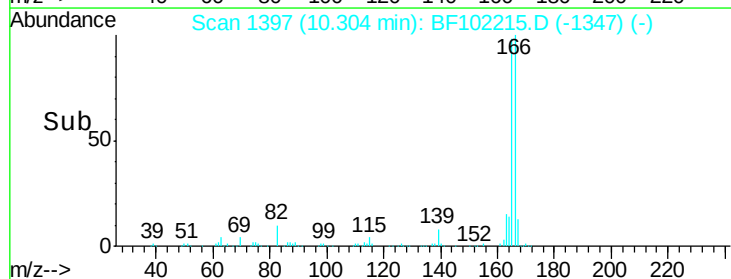
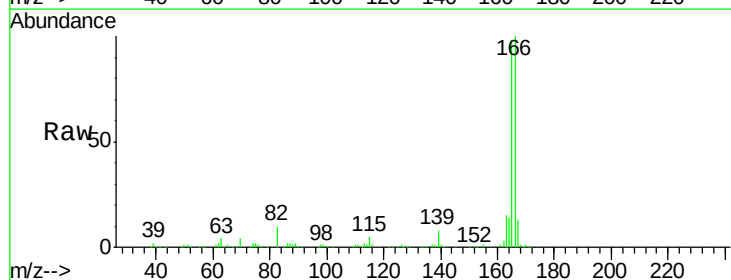
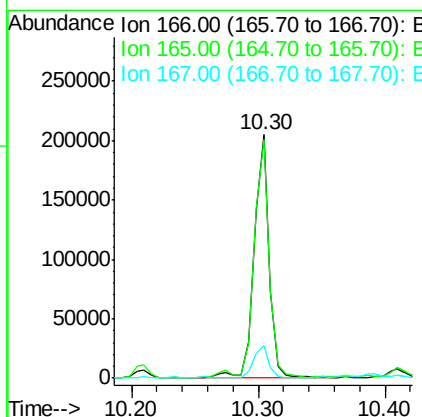
Manual Integrations
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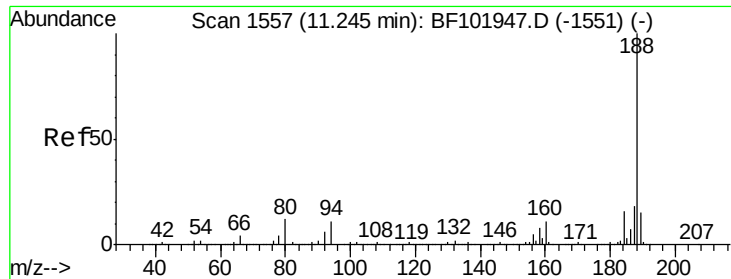
Sohil
1/22/2018 5:23:53 PM



#57
Fluorene
Concen: 10.528 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF102215.D
Acq: 19 Jan 2018 11:57

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.9	79.8	119.8
167	13.4	10.6	16.0





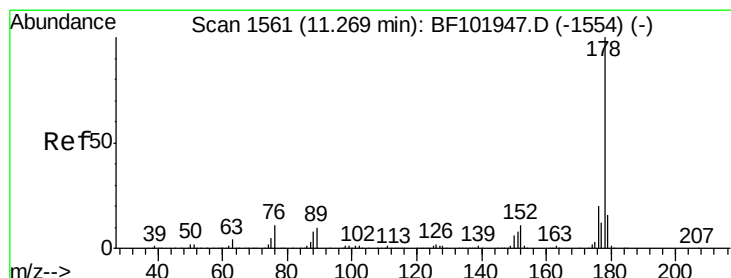
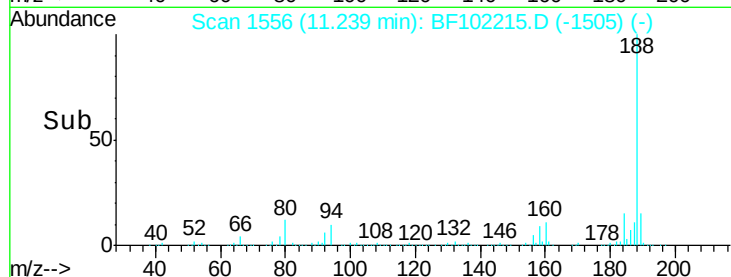
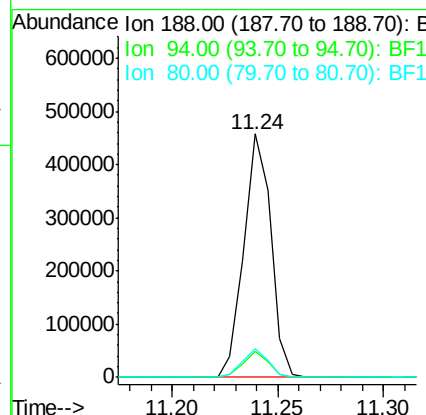
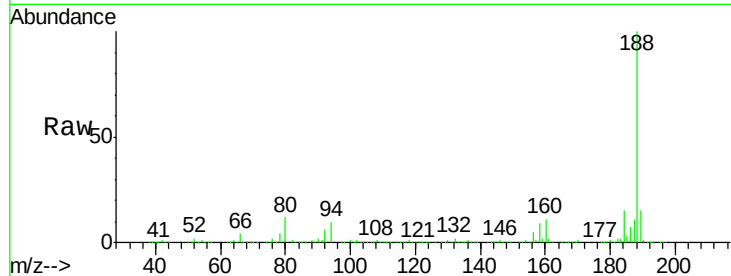
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BF102215.D
Acq: 19 Jan 2018 11:57

Instrument :
BNA_F
ClientSampleId :
A2_SB74-100_N_8

Tot Ion	Ratio	Resp	Lower	Upper
188	100	406601		
94	10.5		8.5	12.7
80	11.7		9.2	13.8

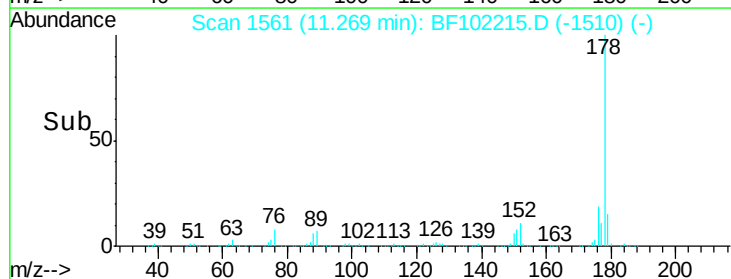
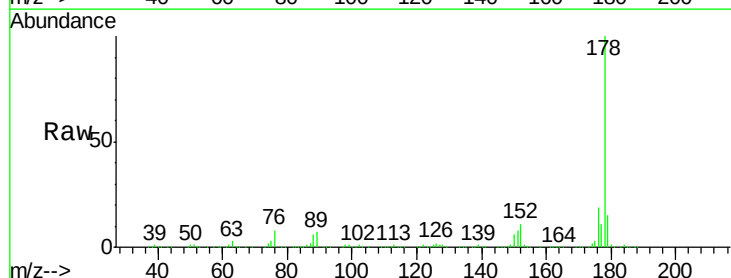
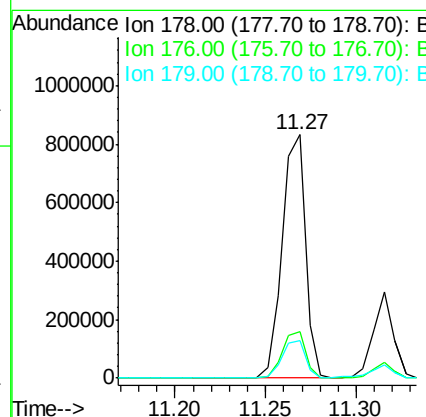
Manual Integrations
APPROVED

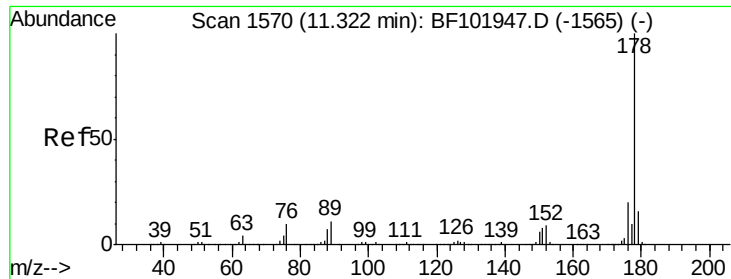
Sohil
1/22/2018 5:23:53 PM



#70
Phenanthrene
Concen: 31.419 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BF102215.D
Acq: 19 Jan 2018 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	746227		
176	19.2		15.8	23.8
179	15.2		13.0	19.6





#71

Anthracene

Concen: 9.157 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF102215.D

Acq: 19 Jan 2018 11:57

Instrument :

BNA_F

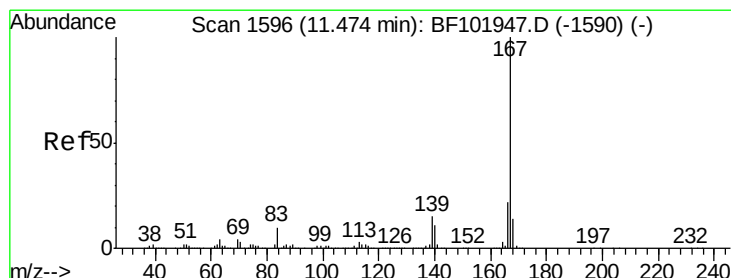
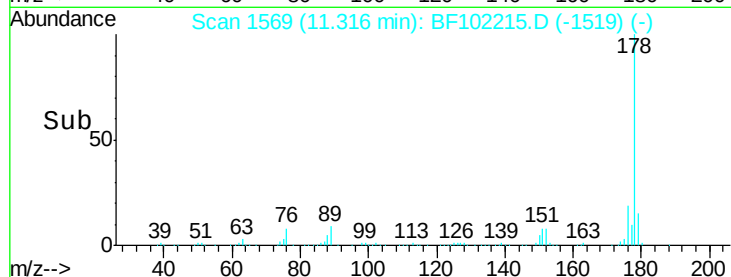
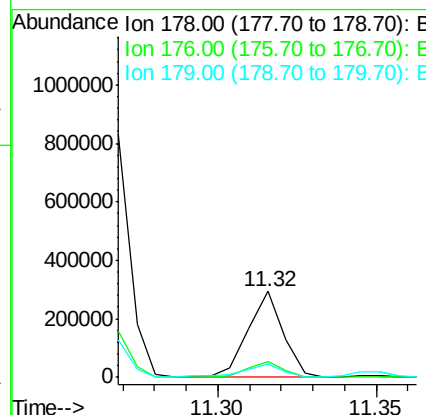
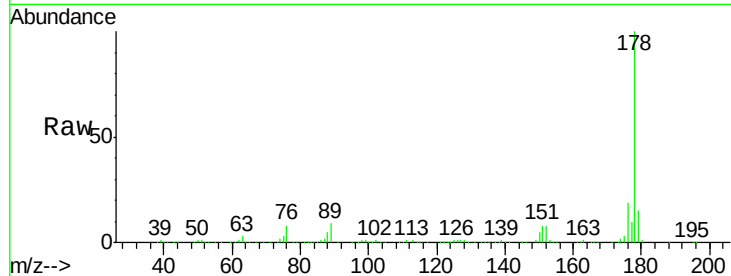
ClientSampleId :

A2_SB74-100_N_8

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	18.9	15.4	23.2	
179	15.1	12.6	19.0	

Manual Integrations
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Sohil
1/22/2018 5:23:53 PM



#72

Carbazole

Concen: 3.171 ng

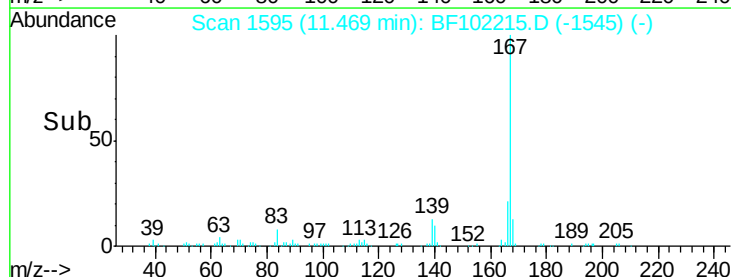
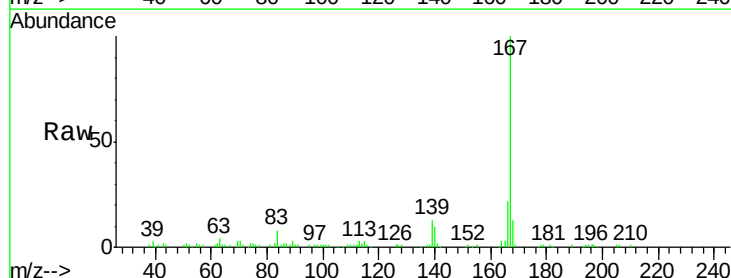
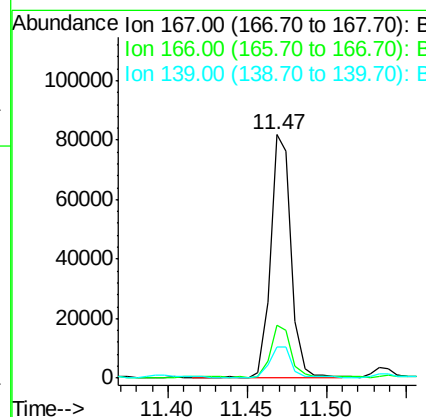
RT: 11.47 min Scan# 1595

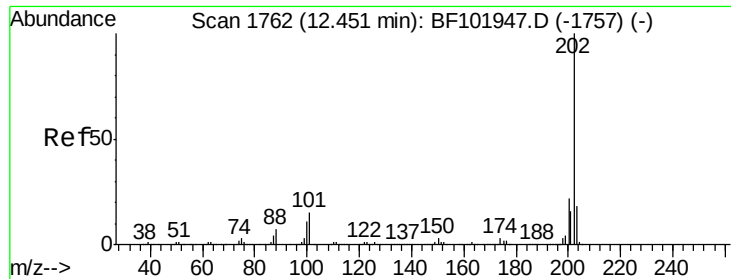
Delta R.T. -0.01 min

Lab File: BF102215.D

Acq: 19 Jan 2018 11:57

Tgt Ion	Ion	Ratio	Lower	Upper
167	100			
166	21.8	17.6	26.4	
139	12.9	10.9	16.3	





#74

Fluoranthene

Concen: 33.760 ng

RT: 12.45 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF102215.D

Acq: 19 Jan 2018 11:57

Instrument :

BNA_F

ClientSampleId :

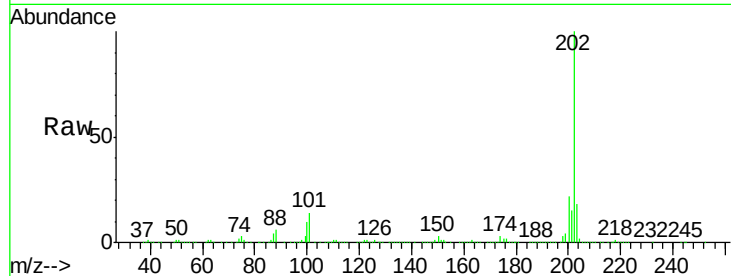
A2_SB74-100_N_8

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.6	0.0	34.1
203	18.4	0.0	38.1

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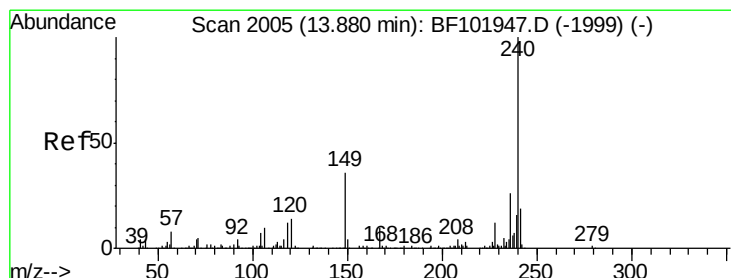
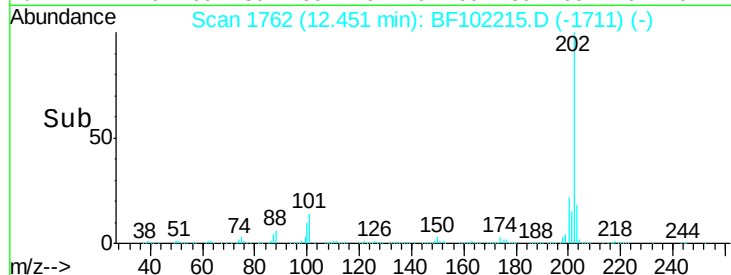
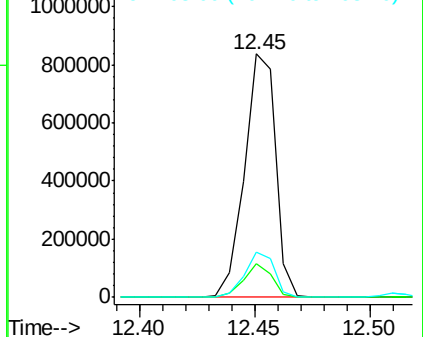
1/22/2018 5:23:53 PM



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: BF102215.D

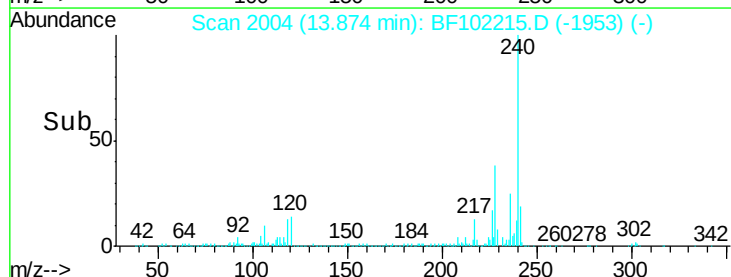
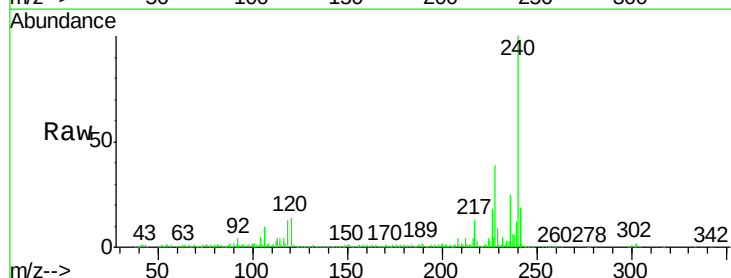
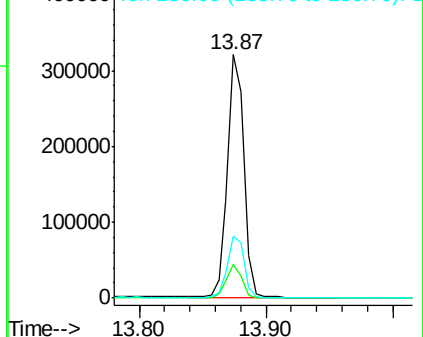
Acq: 19 Jan 2018 11:57

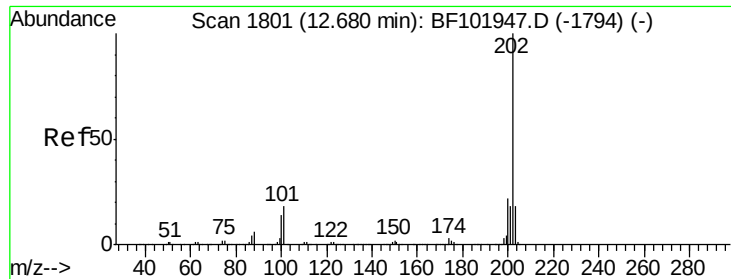
Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.7	9.5	14.3
236	25.4	20.7	31.1

Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 25.693 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF102215.D

Acq: 19 Jan 2018 11:57

Instrument :

BNA_F

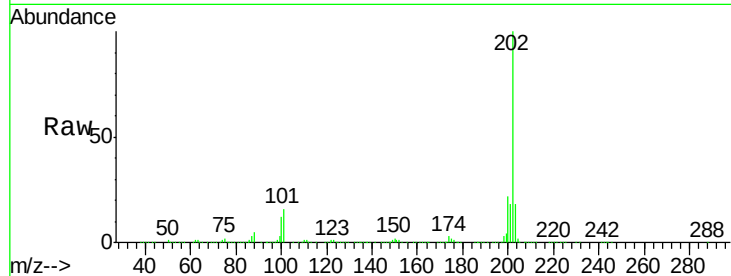
ClientSampleId :

A2_SB74-100_N_8

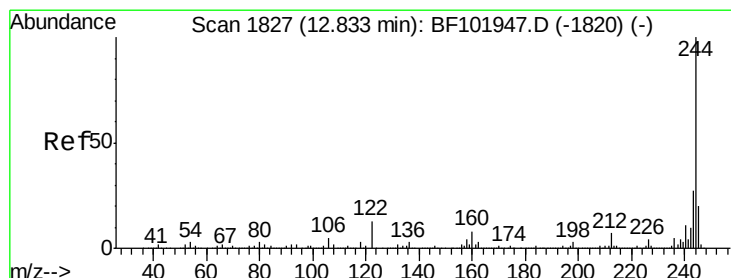
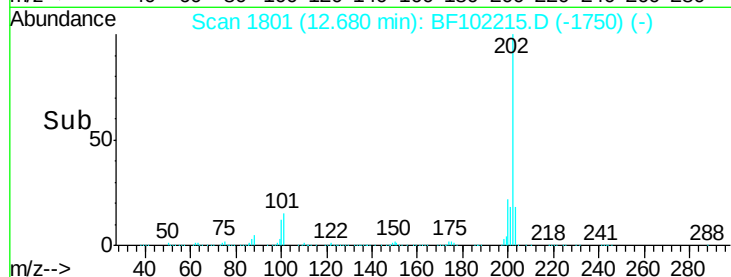
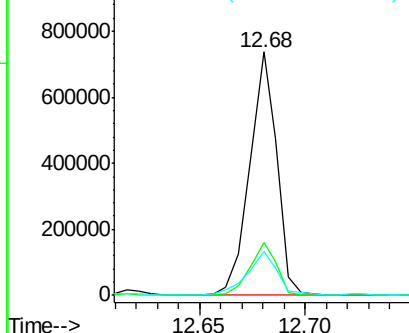
Tot Ion:	202	Resp:	654679
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.4	26.2
203	18.1	14.3	21.5

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



#78

Terphenyl-d14

Concen: 15.630 ng

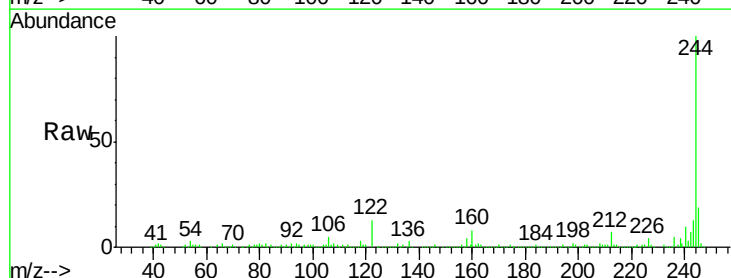
RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

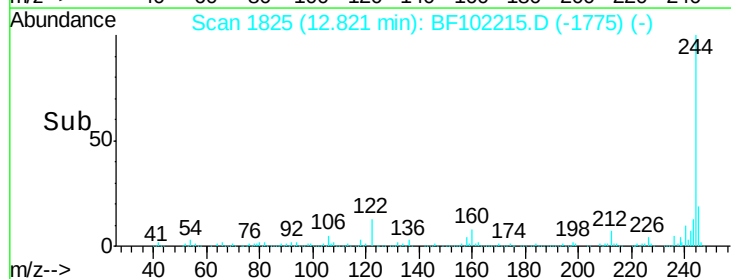
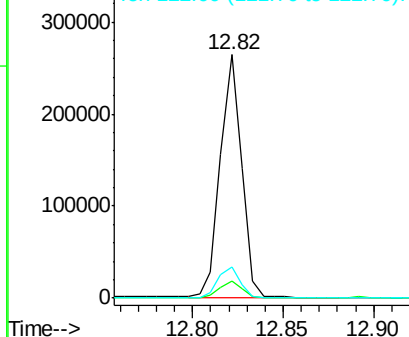
Lab File: BF102215.D

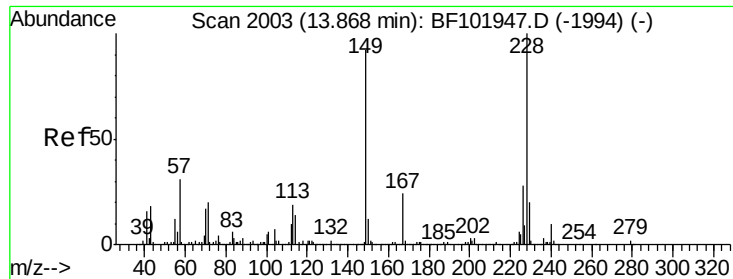
Acq: 19 Jan 2018 11:57

Tgt Ion:	244	Resp:	217006
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.0
122	13.0	11.0	16.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





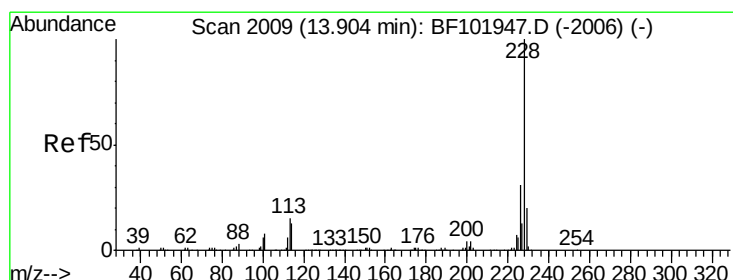
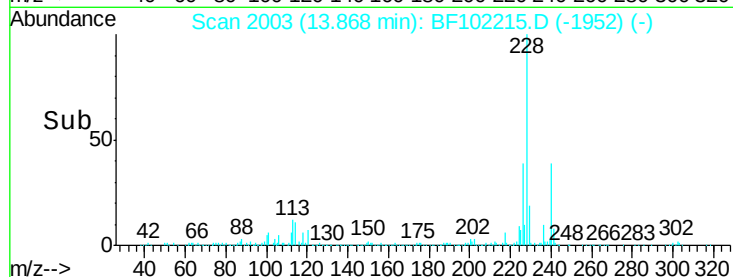
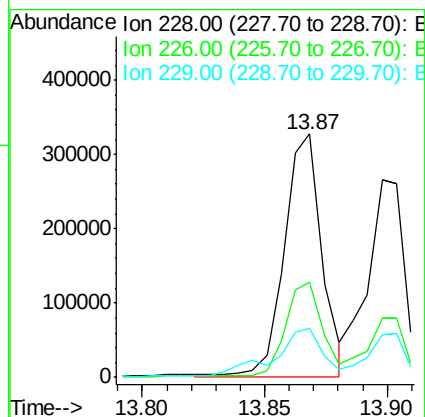
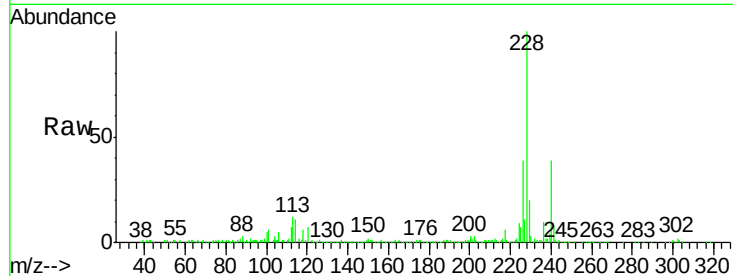
#80
Benzo(a)anthracene
Concen: 19.093 ng m
RT: 13.87 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BF102215.D
Acq: 19 Jan 2018 11:57

Instrument :
BNA_F
ClientSampleId :
A2_SB74-100_N_8

Tot Ion	Ratio	Lower	Upper
228	100		
226	39.2	22.6	33.8#
229	20.0	15.8	23.6

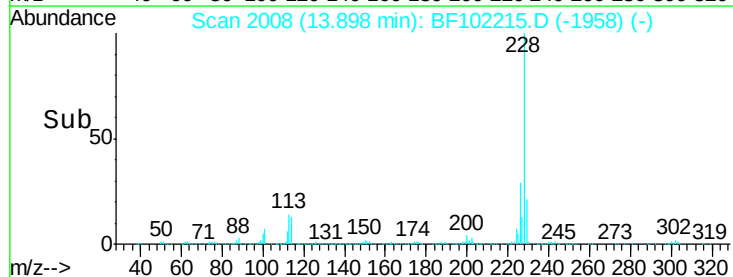
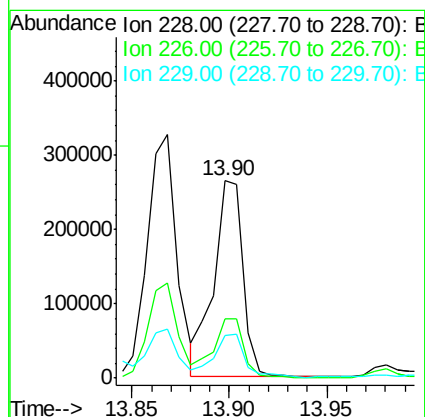
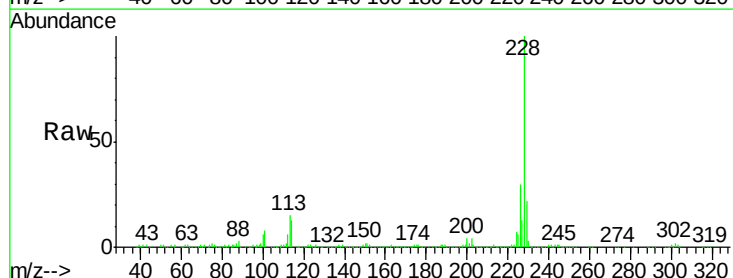
Manual Integrations
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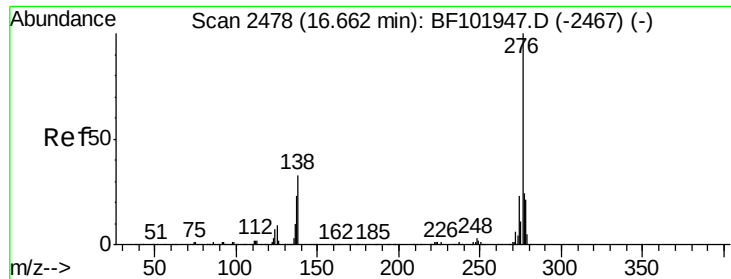
Sohil
1/22/2018 5:23:53 PM



#82
Chrysene
Concen: 14.383 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102215.D
Acq: 19 Jan 2018 11:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	21.7	16.2	24.4





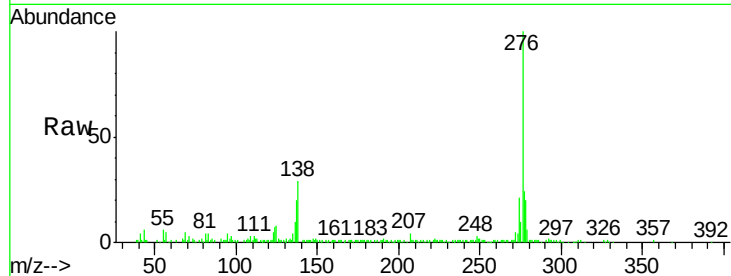
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.555 ng
 RT: 16.67 min Scan# 2480
 Delta R.T. -0.01 min
 Lab File: BF102215.D
 Acq: 19 Jan 2018 11:57

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB74-100_N_8

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.7	25.0	37.6
277	22.8	20.1	30.1

Manual Integrations
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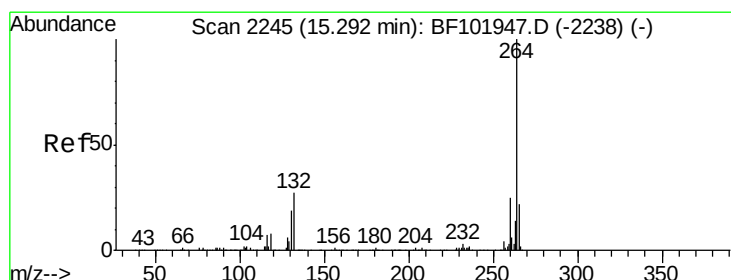
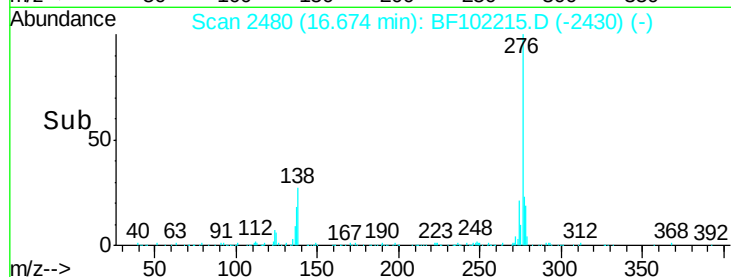
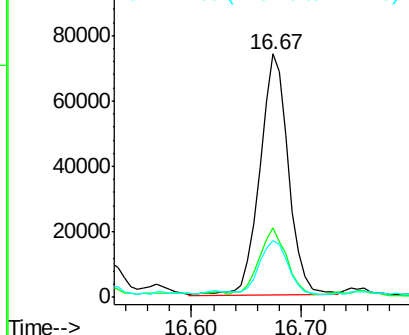


Abundance

Ion 276.00 (275.70 to 276.70): E

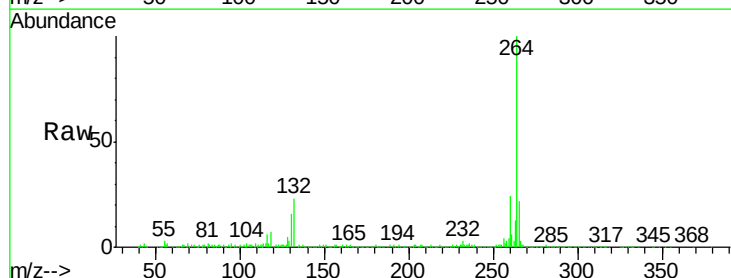
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2246
 Delta R.T. 0.01 min
 Lab File: BF102215.D
 Acq: 19 Jan 2018 11:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.8	17.5	26.3

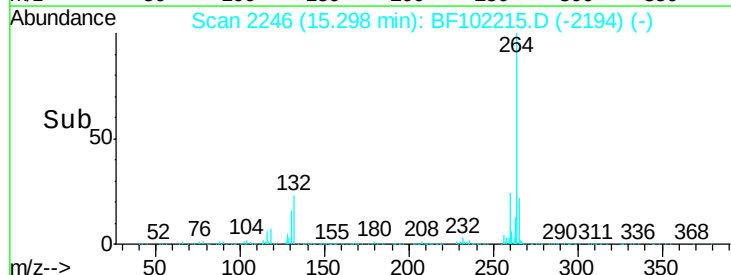
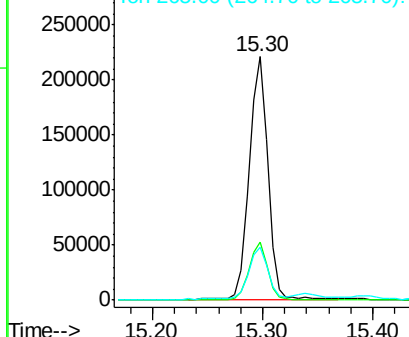


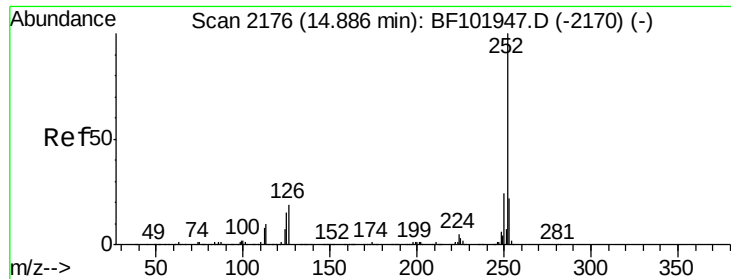
Abundance

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: 21.838 ng m

RT: 14.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: BF102215.D

Acq: 19 Jan 2018 11:57

Instrument :

BNA_F

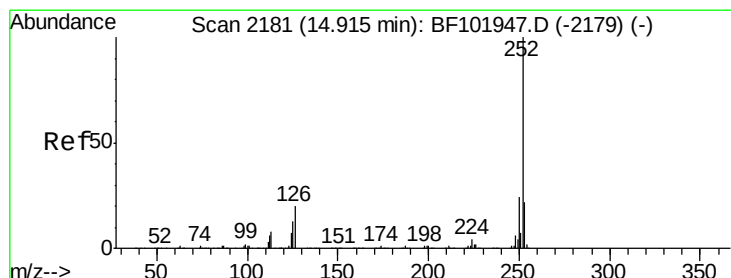
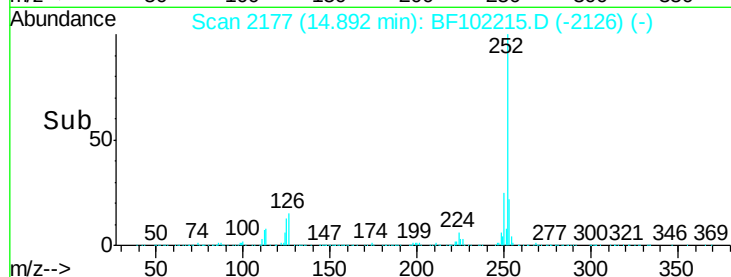
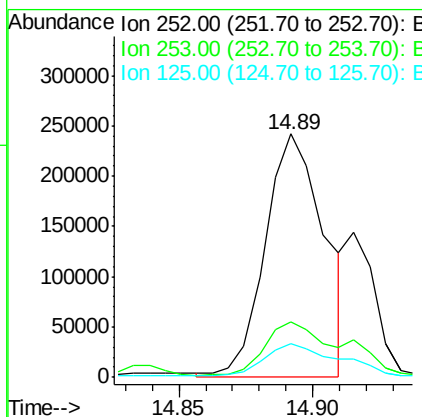
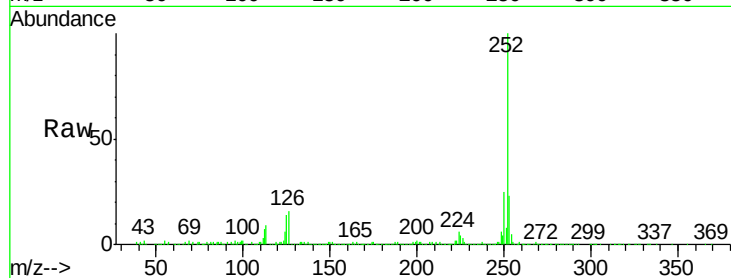
ClientSampleId :

A2_SB74-100_N_8

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	13.9	9.0	13.6

Manual Integrations
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Sohil
1/22/2018 5:23:53 PM



#88

Benzo(k)fluoranthene

Concen: 6.500 ng m

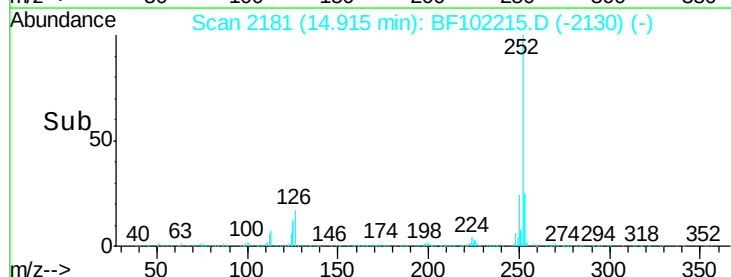
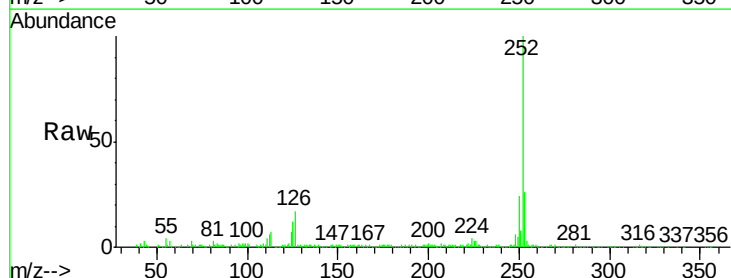
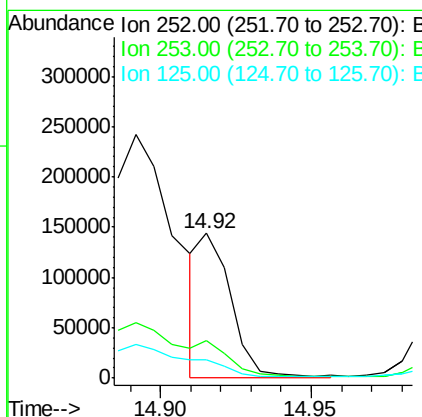
RT: 14.92 min Scan# 2181

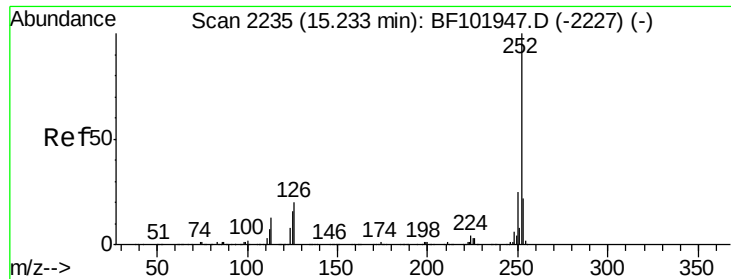
Delta R.T. 0.00 min

Lab File: BF102215.D

Acq: 19 Jan 2018 11:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.9	26.9
125	12.4	10.2	15.2





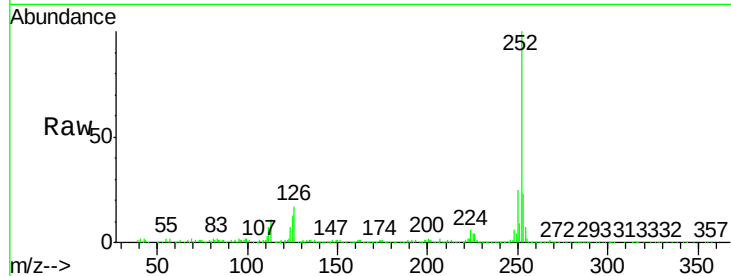
#89
Benzo(a)pyrene
Concen: 16.793 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.01 min
Lab File: BF102215.D
Acq: 19 Jan 2018 11:57

Instrument :
BNA_F
ClientSampleId :
A2_SB74-100_N_8

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	13.3	9.8	14.6

Manual Integrations
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1/22/2018 5:23:53 PM

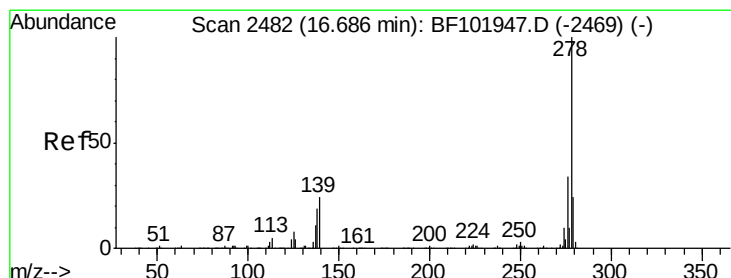
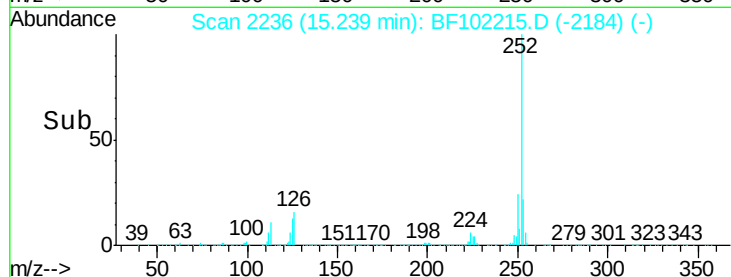
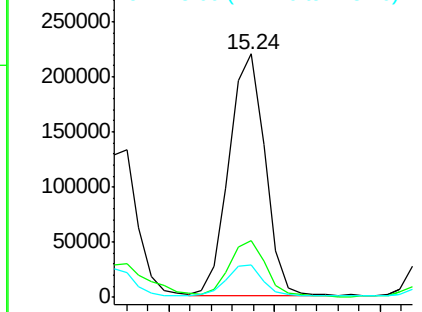


Abundance

Ion 252.00 (251.70 to 252.70): E

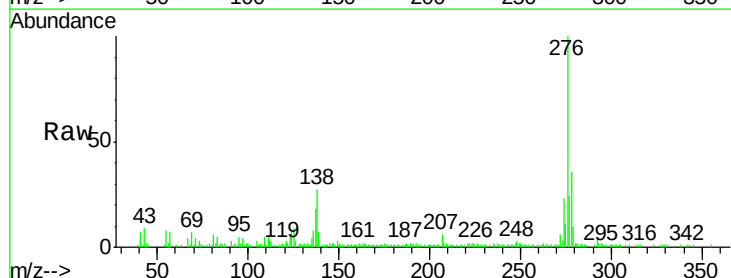
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Dibenzo(a,h)anthracene
Concen: 2.904 ng
RT: 16.69 min Scan# 2482
Delta R.T. -0.01 min
Lab File: BF102215.D
Acq: 19 Jan 2018 11:57

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.1	15.9	23.9
279	28.5	19.0	28.4

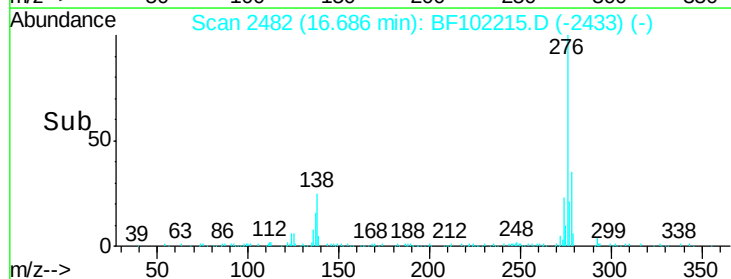
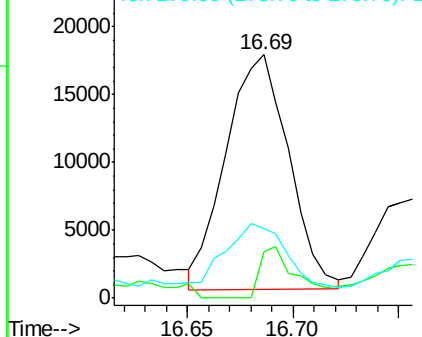


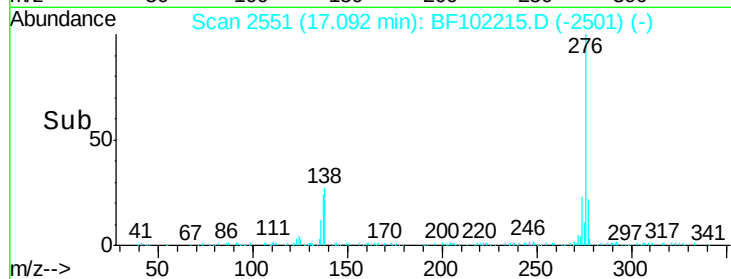
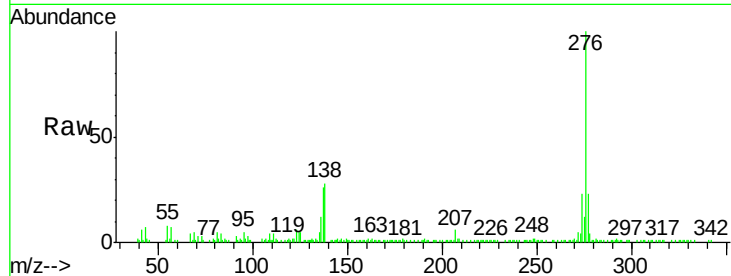
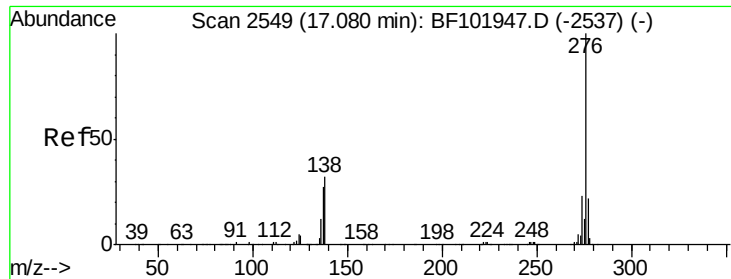
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 9.358 ng

RT: 17.09 min Scan# 2551

Delta R.T. -0.01 min

Lab File: BF102215.D

Acq: 19 Jan 2018 11:57

Tot Ion:	276	Resp:	116134
Ion Ratio		Lower	Upper
276	100		
277	23.2	17.9	26.9
138	28.2	21.8	32.8

Instrument :

BNA_F

ClientSampleId :

A2_SB74-100_N_8

Manual Integrations
APPROVED

Sohil

1/22/2018 5:23:53 PM

