

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011918\
 Data File : BF102221.D
 Acq On : 19 Jan 2018 14:39
 Operator : SJ/JU
 Sample : J1200-03DL 500X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2 SB74 E-S 8DL

Manual Integrations
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Quant Time: Jan 19 15:39:32 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	117057	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	494914	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	217355	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	351383	20.00	ng	0.00
75) Chrysene-d12	13.87	240	253904	20.00	ng	0.00
86) Perylene-d12	15.29	264	215456	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	7.29	82	129	0.02	ng	-0.01
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.07	172	498	0.04	ng	-0.01
78) Terphenyl-d14	12.82	244	6736	0.55	ng	0.00
Target Compounds						
31) Naphthalene	8.03	128	1128768	45.644	ng	Qvalue 100
37) 2-Methylnaphthalene	8.72	142	107472	6.601	ng	99
48) Acenaphthylene	9.62	152	89587	3.789	ng	99
51) Acenaphthene	9.79	154	127639	8.895	ng	98
54) Dibenzofuran	9.96	168	149589	7.595	ng	99
57) Fluorene	10.30	166	168497	12.376	ng	99
70) Phenanthrene	11.26	178	591115	28.799	ng	99
71) Anthracene	11.32	178	164924	7.923	ng	99
72) Carbazole	11.47	167	68023	3.325	ng	97
74) Fluoranthene	12.45	202	374172	18.529	ng	96
77) Pyrene	12.67	202	262918	11.715	ng	99
80) Benzo(a)anthracene	13.86	228	117952m	7.281	ng	
82) Chrysene	13.90	228	83334	4.933	ng	99
85) Indeno(1,2,3-cd)pyrene	16.67	276	33017	2.685	ng	97
87) Benzo(b)fluoranthene	14.89	252	102009m	7.261	ng	
88) Benzo(k)fluoranthene	14.91	252	32871m	2.426	ng	
89) Benzo(a)pyrene	15.23	252	69370	5.487	ng	# 97
91) Benzo(g,h,i)perylene	17.09	276	28521	2.807	ng	95

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

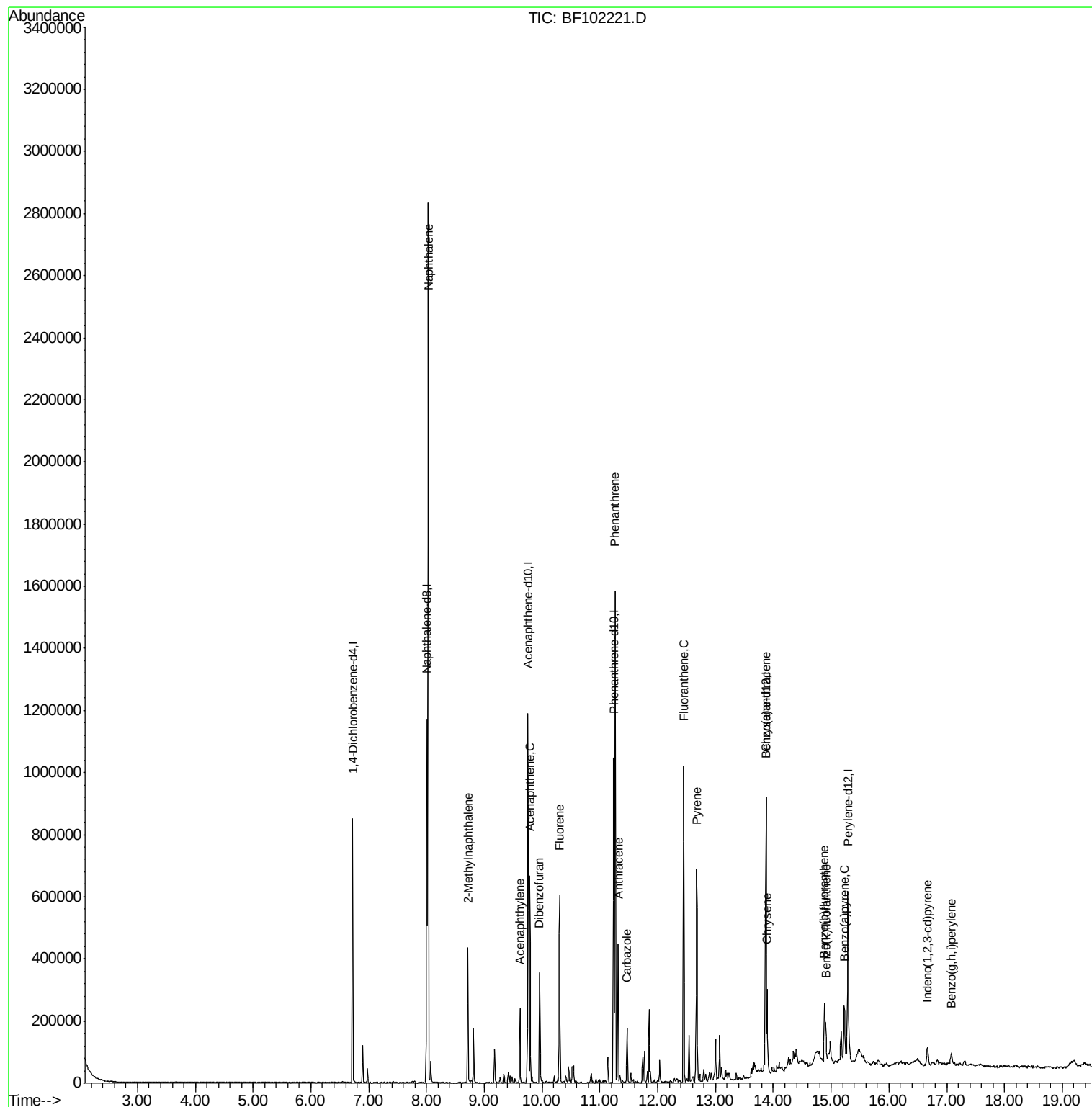
Data Path : Z:\HPCHEM1\BNA F\DATA\BF011918\
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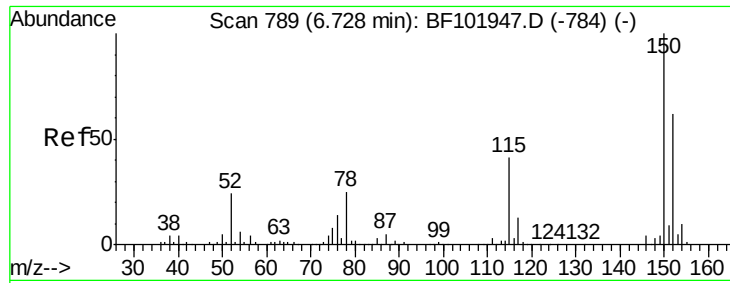
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#1

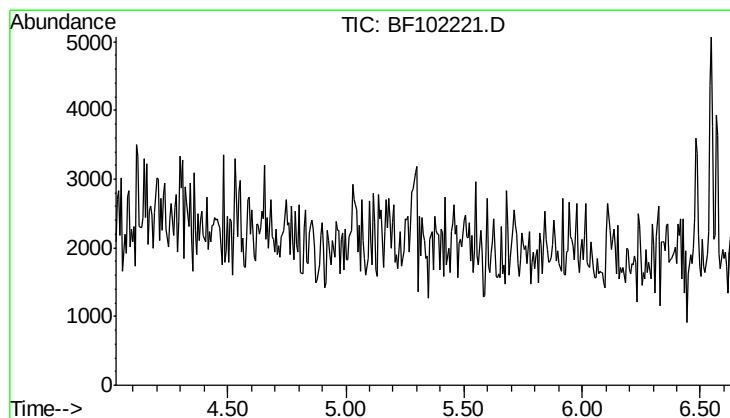
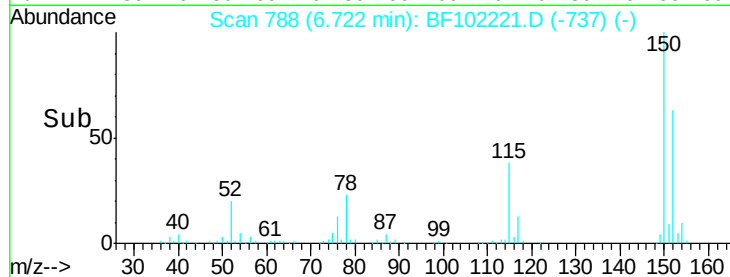
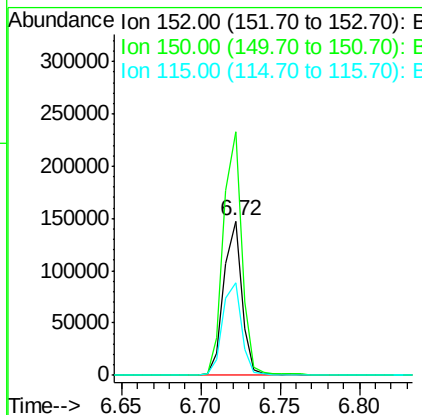
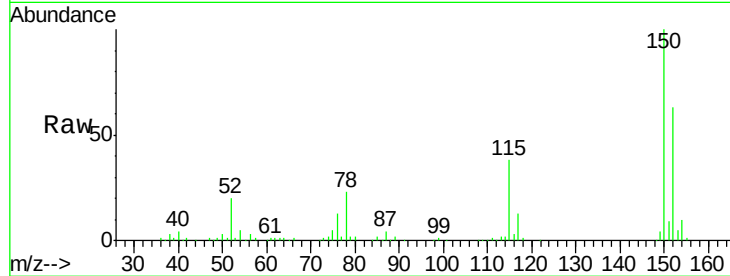
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BF102221.D
 Acq: 19 Jan 2018 14:39

Instrument :
 BNA_F
 ClientSampleId :
 A2 SB74 E-S 8DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		117057		
150	157.7	124.6	186.8		
115	60.1	50.1	75.1		

Manual Integrations
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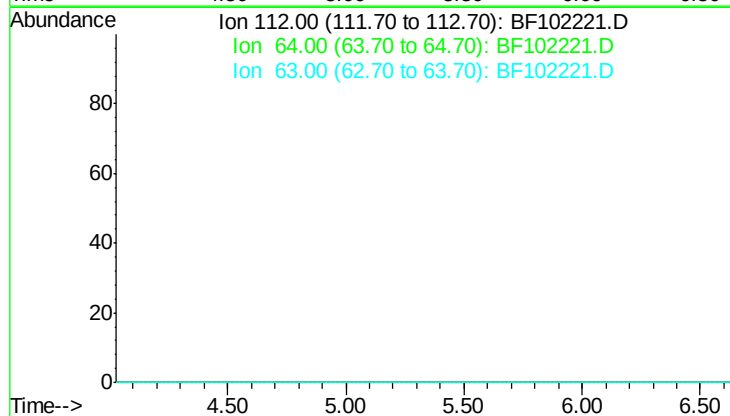


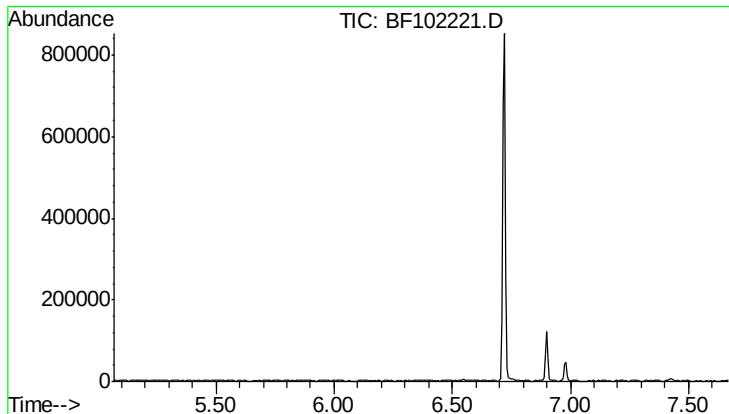
#5

2-Fluorophenol
 Concen: 0.000 ng
 Expected RT: 5.33 min

Lab File: BF102221.D
 Acq: 19 Jan 2018 14:39

Tgt Ion	Exp Ratio
112	100
64	59.9
63	29.6





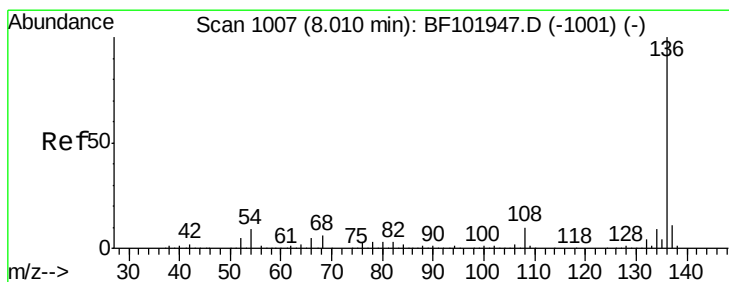
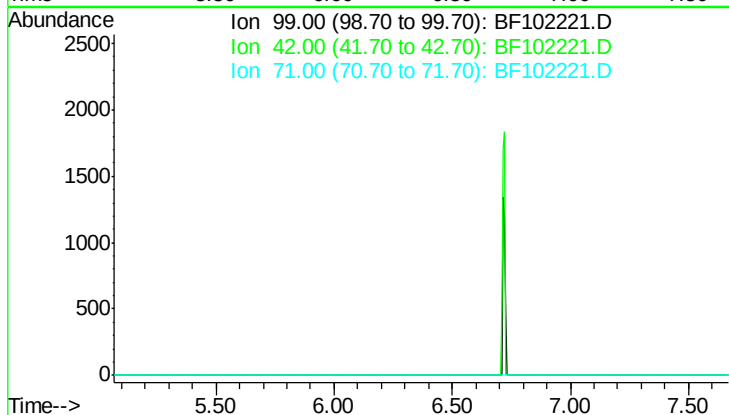
#7
 Phenol-d6
 Concen: 0.000 ng
 Expected RT: 6.37 min
 Lab File: BF102221.D
 Acq: 19 Jan 2018 14:39

Instrument :
 BNA_F
 ClientSampleId :
 A2 SB74 E-S 8DL

Tot Ion	99
Sig	Exp Ratio
99	100
42	18.1
71	31.7

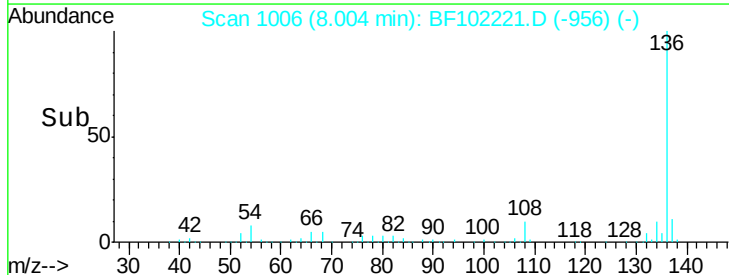
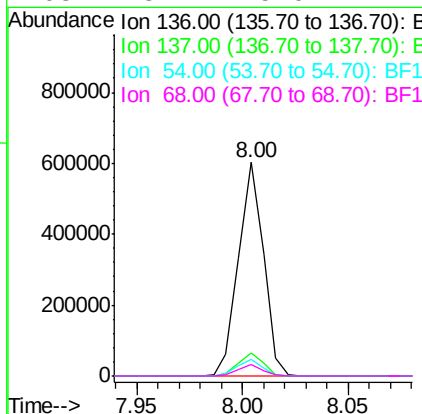
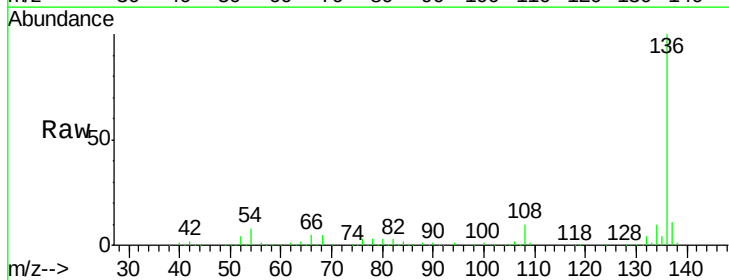
Manual Integrations
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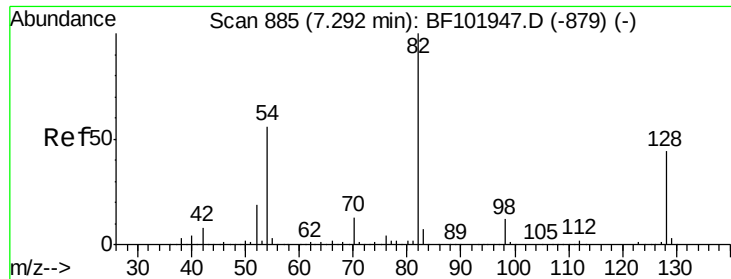
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#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.00 min Scan# 1006
 Delta R.T. -0.01 min
 Lab File: BF102221.D
 Acq: 19 Jan 2018 14:39

Tgt Ion	136	Resp	494914
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	7.5	6.6	9.8
68	5.2	5.0	7.4





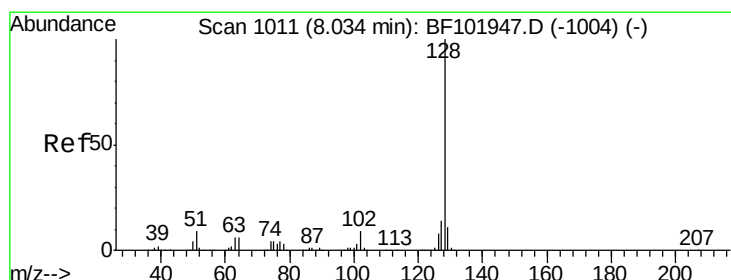
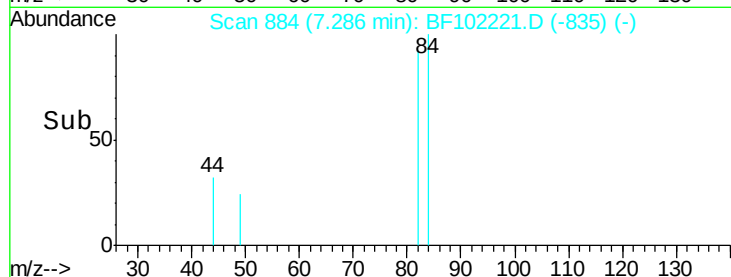
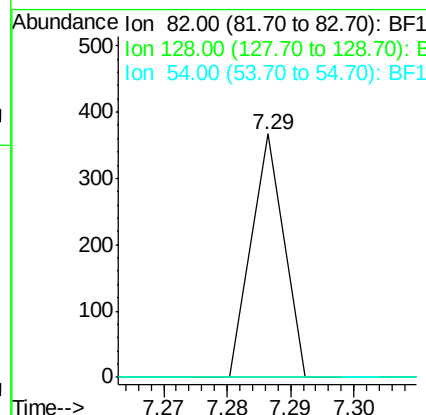
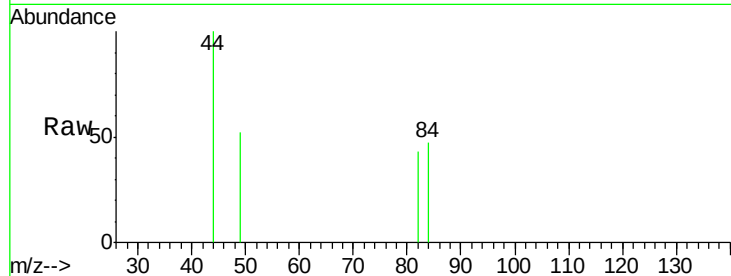
#23
Nitrobenzene-d5
Concen: 0.015 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102221.D
Acq: 19 Jan 2018 14:39

Instrument :
BNA_F
ClientSampleId :
A2 SB74 E-S 8DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	0.0	36.1	54.1#
54	0.0	41.4	62.2#

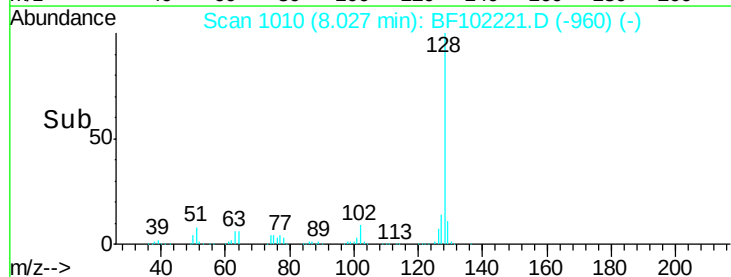
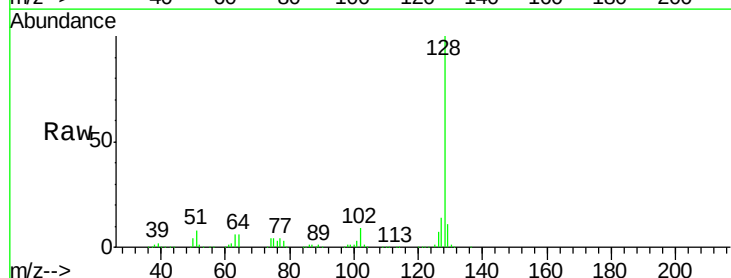
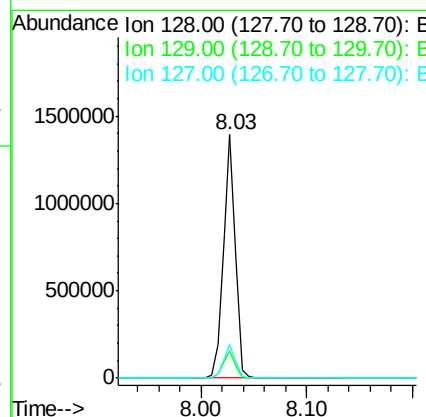
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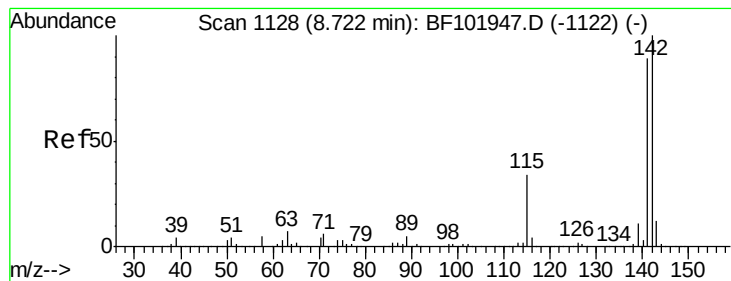
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#31
Naphthalene
Concen: 45.644 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF102221.D
Acq: 19 Jan 2018 14:39

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.8	10.9	16.3





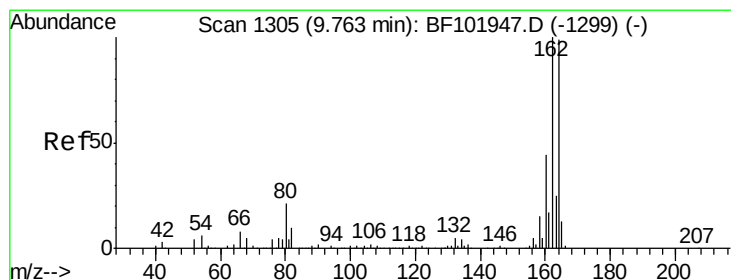
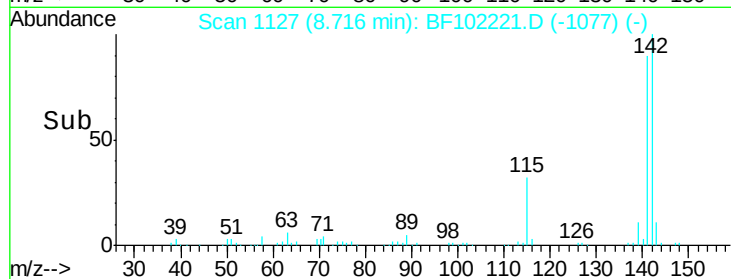
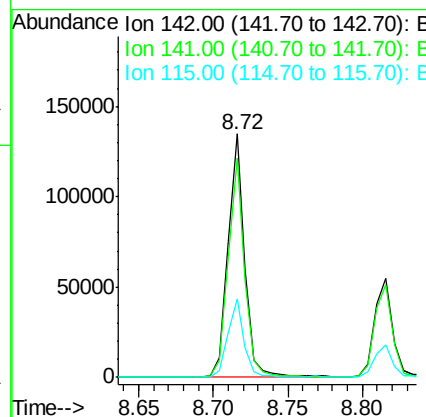
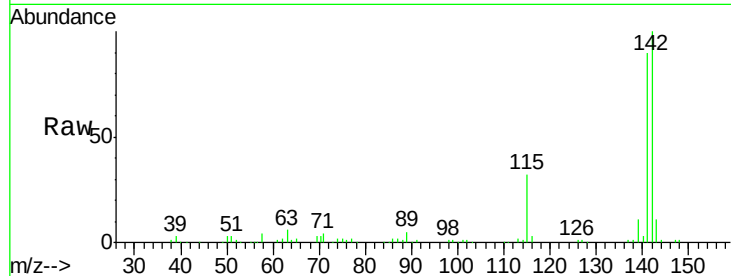
#37
 2-Methylnaphthalene
 Concen: 6.601 ng
 RT: 8.72 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: BF102221.D
 Acq: 19 Jan 2018 14:39

Instrument :
 BNA_F
 ClientSampleId :
 A2 SB74 E-S 8DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.1	70.8	106.2
115	32.1	26.1	39.1

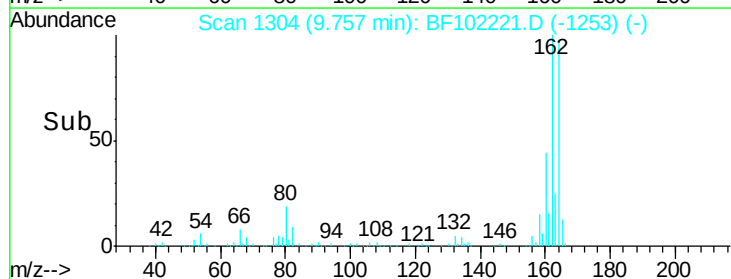
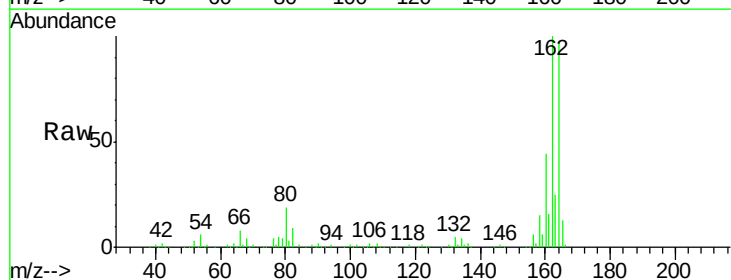
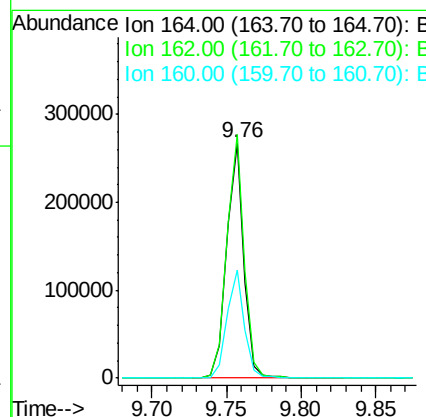
Manual Integrations
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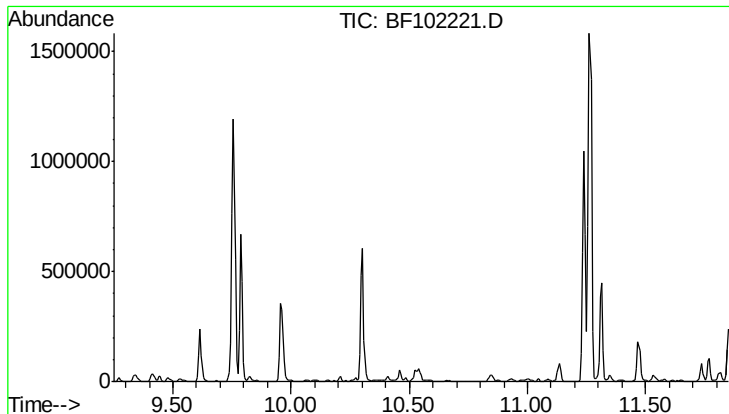
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.00 min
 Lab File: BF102221.D
 Acq: 19 Jan 2018 14:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	86.1	129.1
160	45.9	38.3	57.5





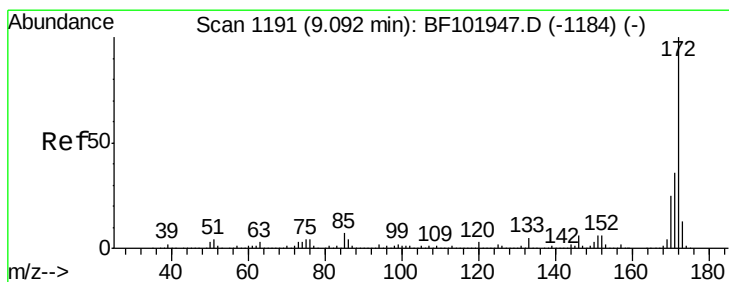
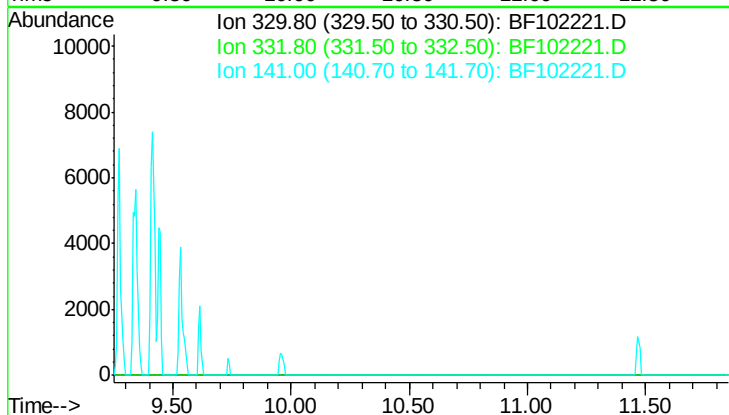
#41
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 10.55 min
 Lab File: BF102221.D
 Acq: 19 Jan 2018 14:39

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB74_E-S_8DL

Manual Integrations
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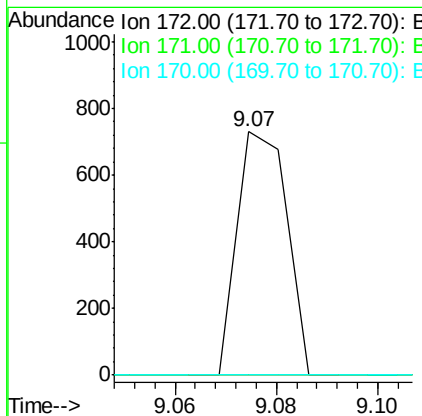
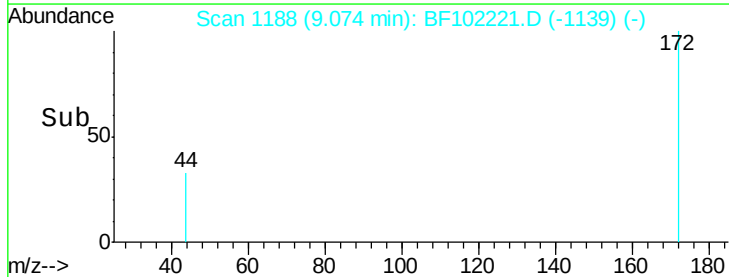
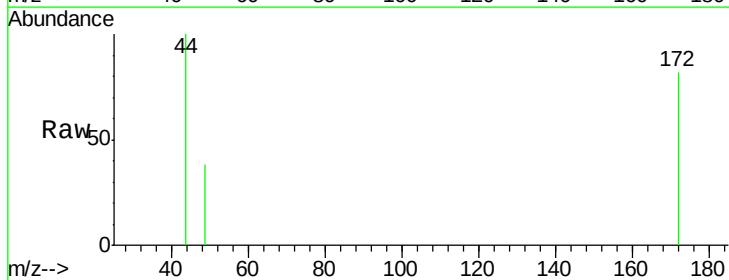
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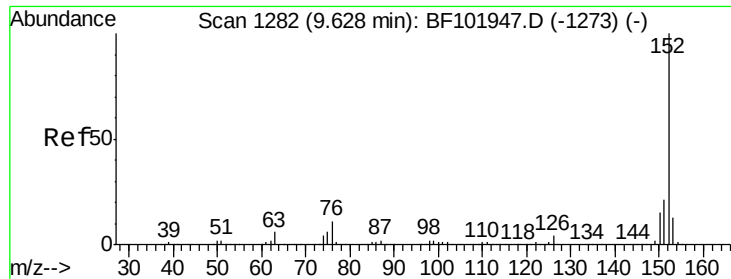
Tot Ion	Exp Ratio
330	100
332	96.3
141	37.4



#44
 2-Fluorobiphenyl
 Concen: 0.036 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF102221.D
 Acq: 19 Jan 2018 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	498		
171	0.0	29.7	44.5#	
170	0.0	19.6	29.4#	





#48

Acenaphthylene

Concen: 3.789 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF102221.D

Acq: 19 Jan 2018 14:39

Instrument :

BNA_F

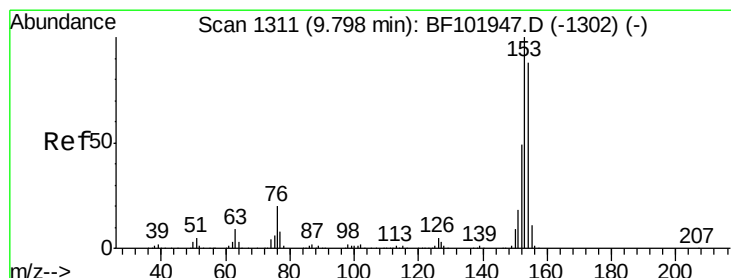
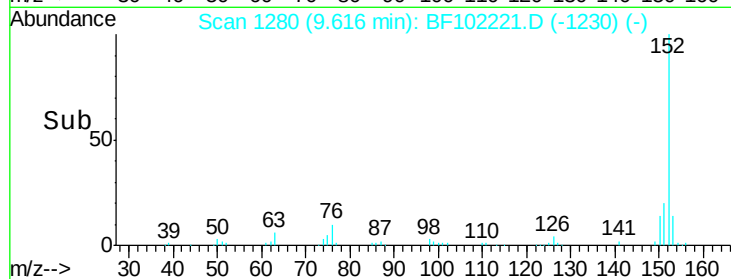
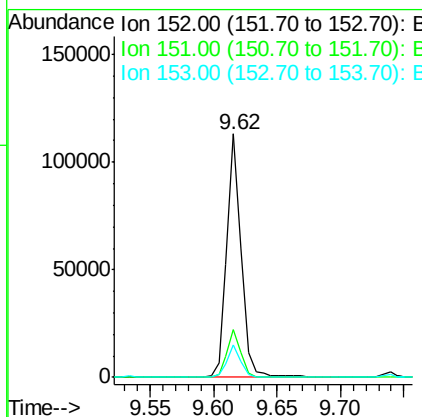
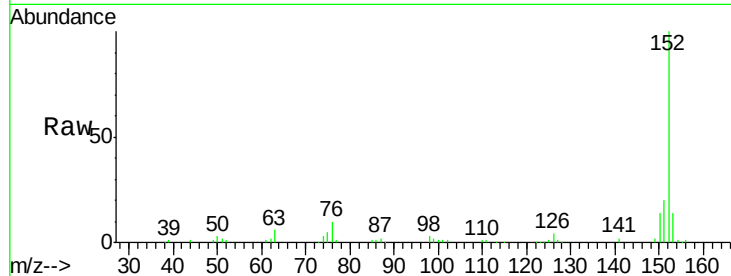
ClientSampleId :

A2 SB74 E-S 8DL

Tot Ion:	152	Resp:	89587
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.3	24.5
153	13.5	10.7	16.1

Manual Integrations
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#51

Acenaphthene

Concen: 8.895 ng

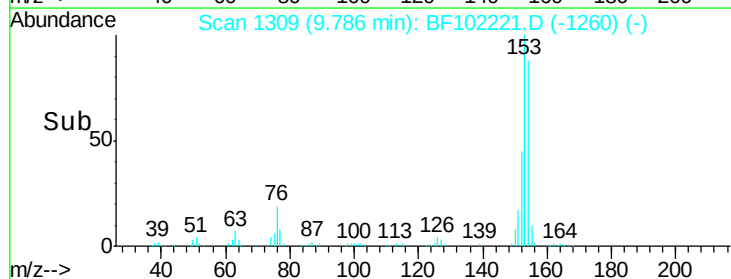
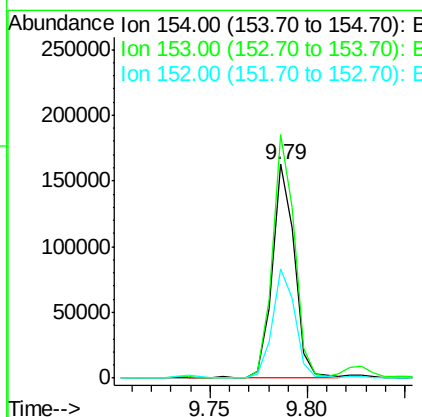
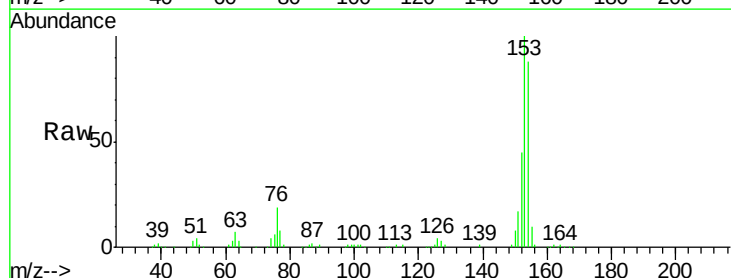
RT: 9.79 min Scan# 1309

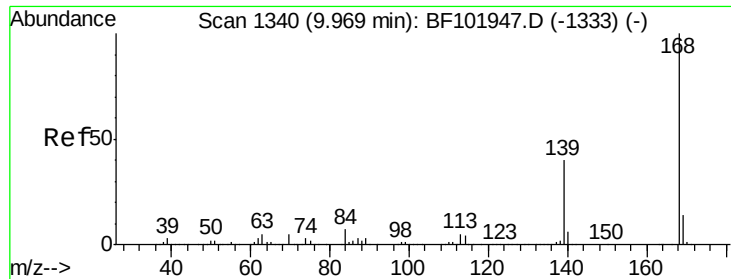
Delta R.T. -0.01 min

Lab File: BF102221.D

Acq: 19 Jan 2018 14:39

Tgt Ion:	154	Resp:	127639
Ion Ratio	Lower	Upper	
154	100		
153	114.0	91.2	136.8
152	51.4	43.8	65.8





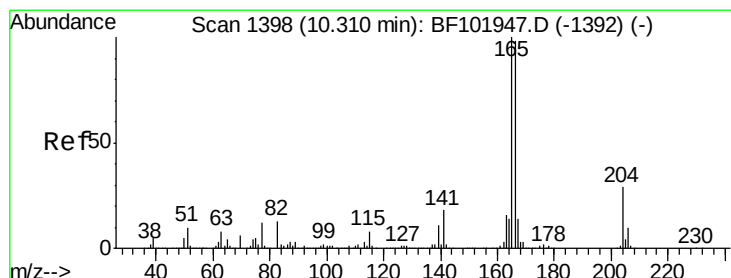
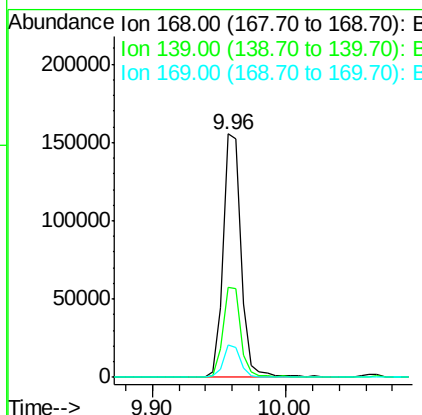
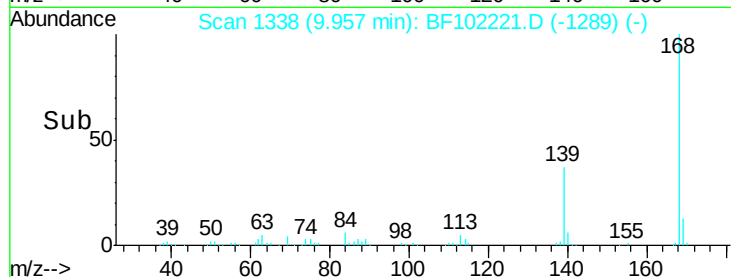
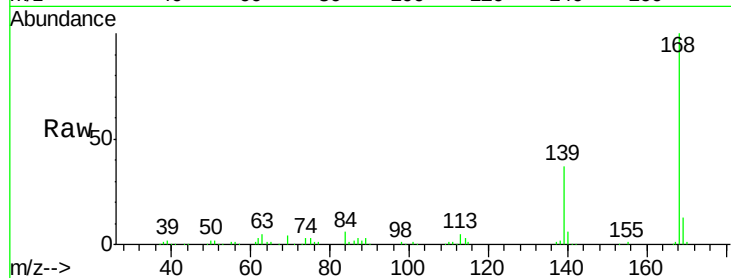
#54
Dibenzofuran
Concen: 7.595 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF102221.D
Acq: 19 Jan 2018 14:39

Instrument :
BNA_F
ClientSampleId :
A2 SB74 E-S 8DL

Tot Ion	Ratio	Resp	Lower	Upper
168	100	149589		
139	37.0		30.1	45.1
169	13.3		10.9	16.3

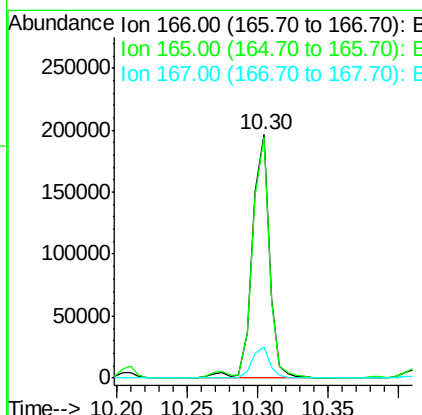
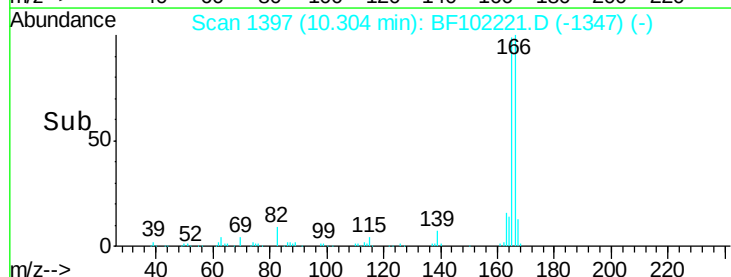
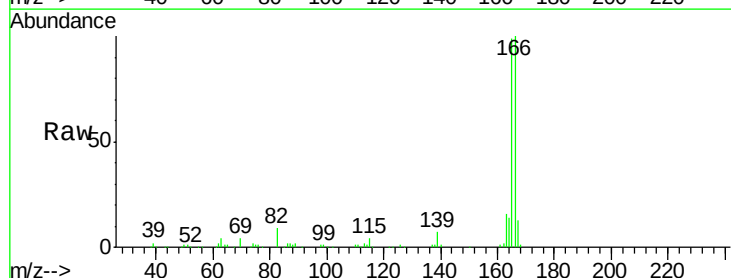
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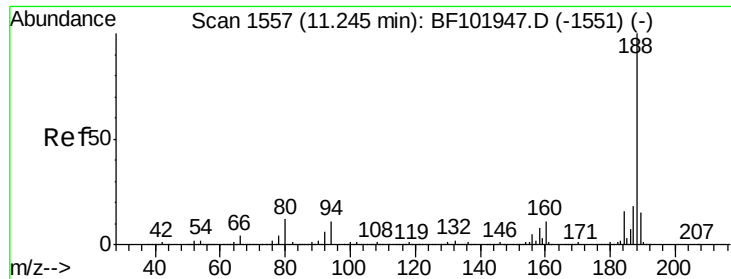
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#57
Fluorene
Concen: 12.376 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF102221.D
Acq: 19 Jan 2018 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	168497		
165	99.2		79.8	119.8
167	13.0		10.6	16.0





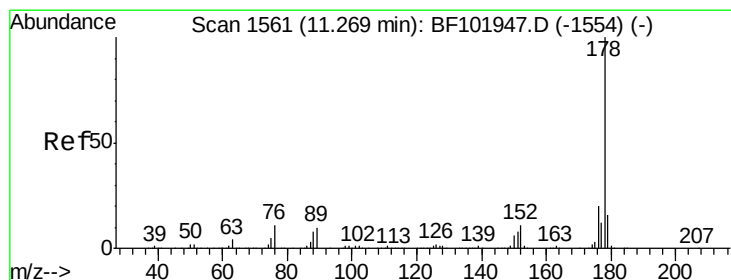
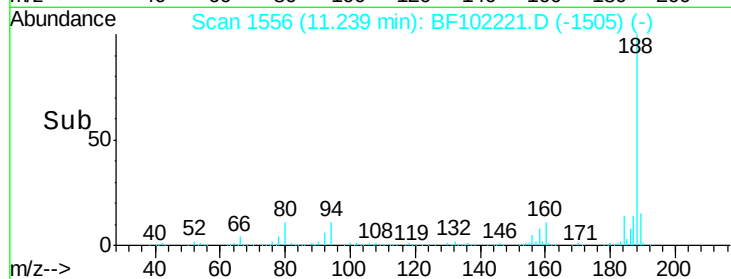
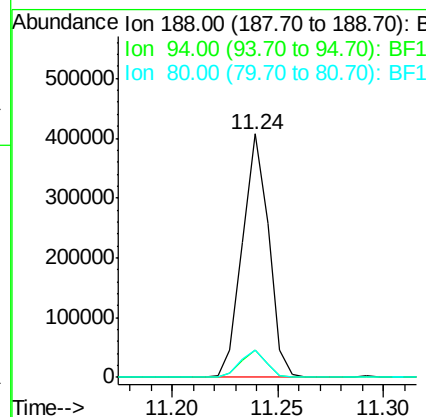
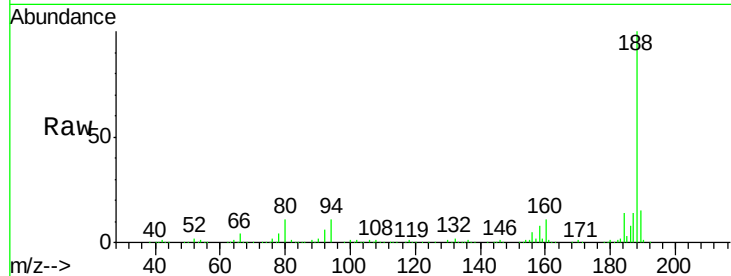
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BF102221.D
Acq: 19 Jan 2018 14:39

Instrument :
BNA_F
ClientSampleId :
A2 SB74 E-S 8DL

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.1	8.5	12.7
80	11.3	9.2	13.8

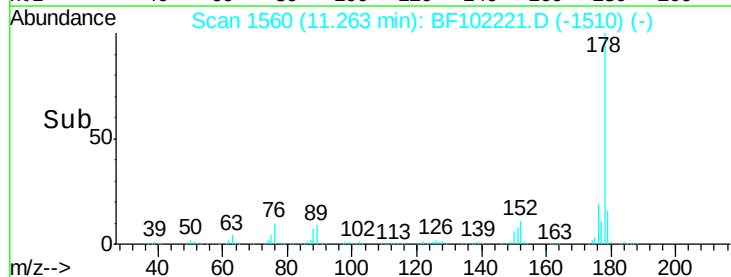
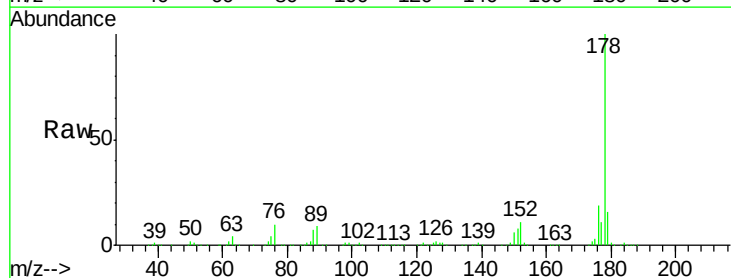
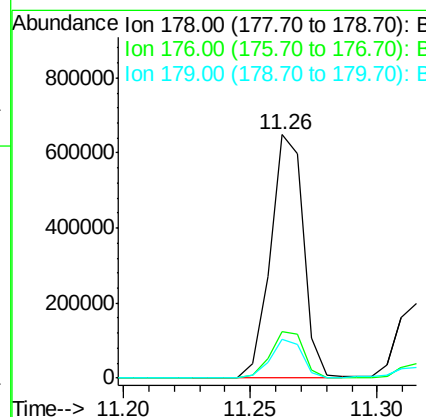
Manual Integrations
APPROVED

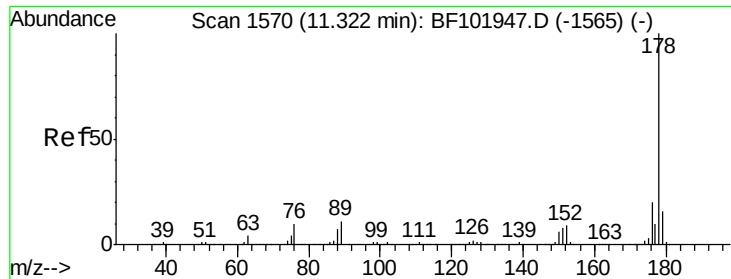
Sohil
1/22/2018 5:24:12 PM



#70
Phenanthrene
Concen: 28.799 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF102221.D
Acq: 19 Jan 2018 14:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.3	15.8	23.8
179	16.0	13.0	19.6





#71

Anthracene

Concen: 7.923 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF102221.D

Acq: 19 Jan 2018 14:39

Instrument :

BNA_F

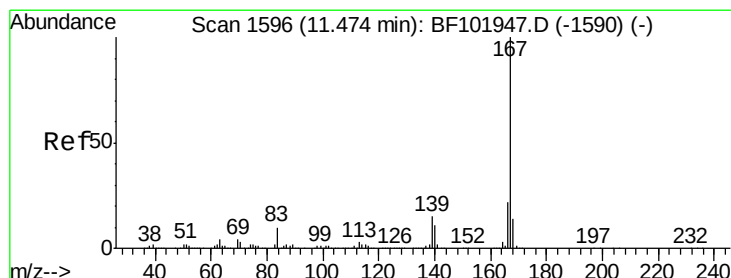
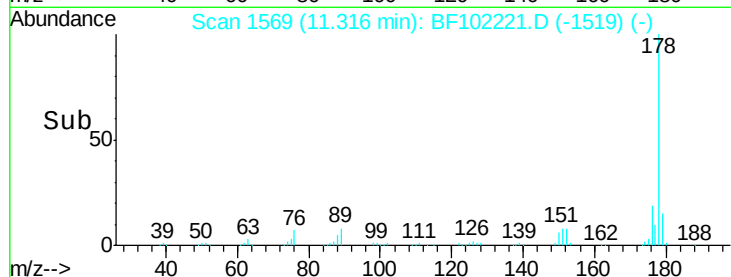
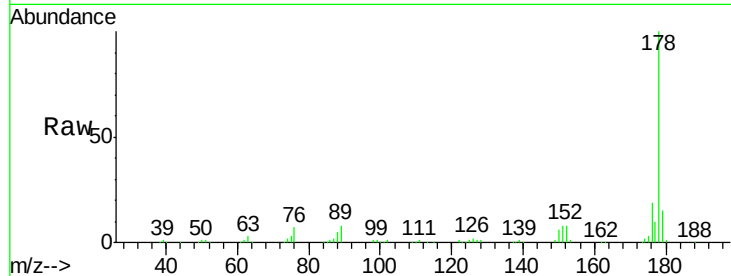
ClientSampleId :

A2 SB74 E-S 8DL

Tot Ion:	178	Resp:	164924
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.4	23.2
179	14.8	12.6	19.0

Manual Integrations
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1/22/2018 5:24:12 PM



#72

Carbazole

Concen: 3.325 ng

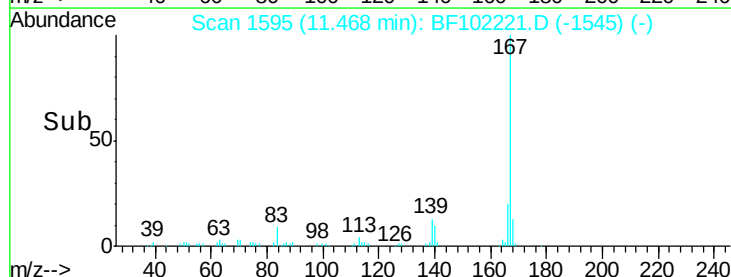
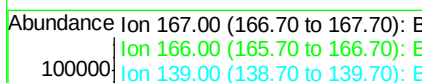
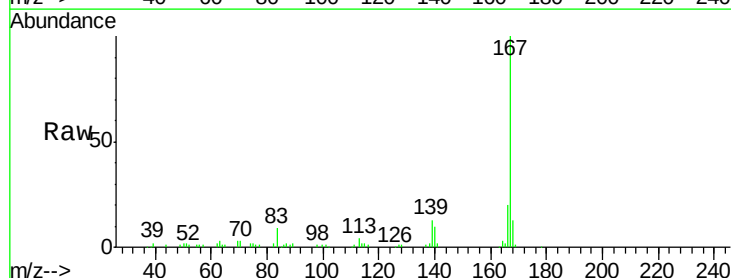
RT: 11.47 min Scan# 1595

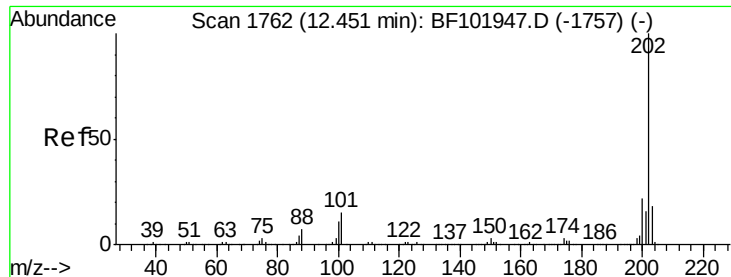
Delta R.T. -0.01 min

Lab File: BF102221.D

Acq: 19 Jan 2018 14:39

Tgt Ion:	167	Resp:	68023
Ion Ratio	Lower	Upper	
167	100		
166	20.1	17.6	26.4
139	13.0	10.9	16.3





#74

Fluoranthene

Concen: 18.529 ng

RT: 12.45 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF102221.D

Acq: 19 Jan 2018 14:39

Instrument :

BNA_F

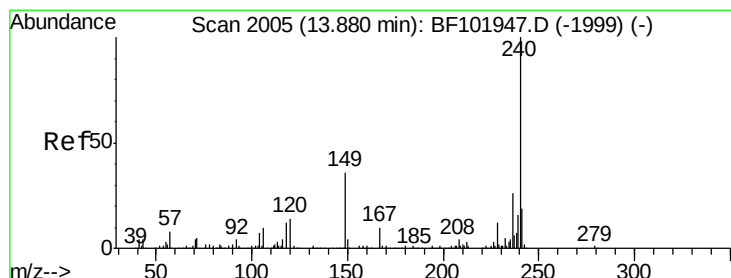
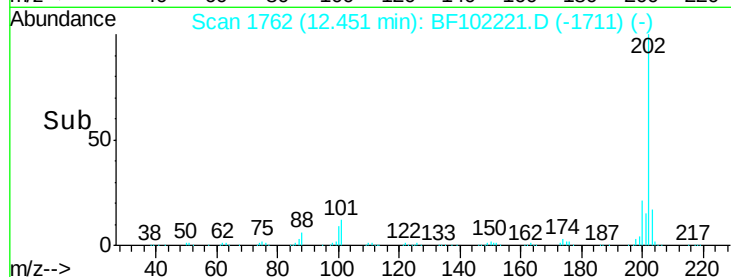
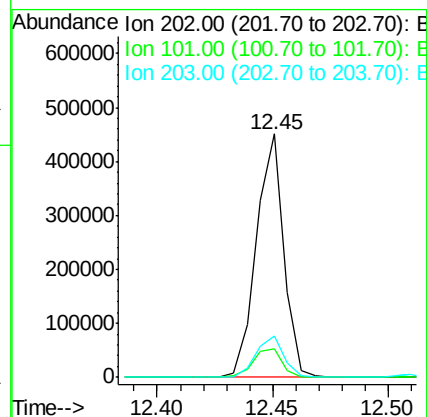
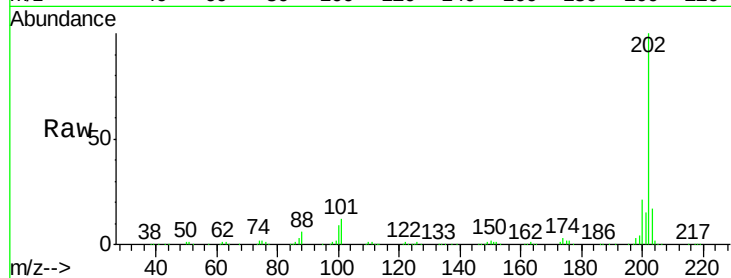
ClientSampleId :

A2 SB74 E-S 8DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.9	0.0	34.1
203	16.9	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

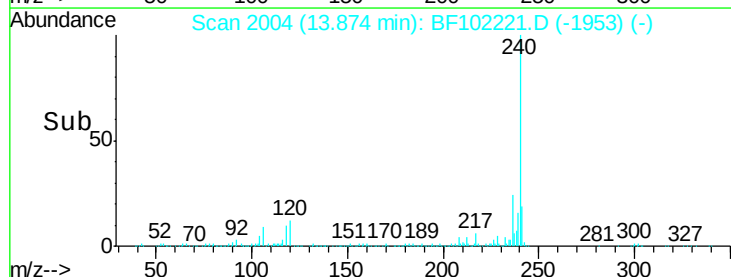
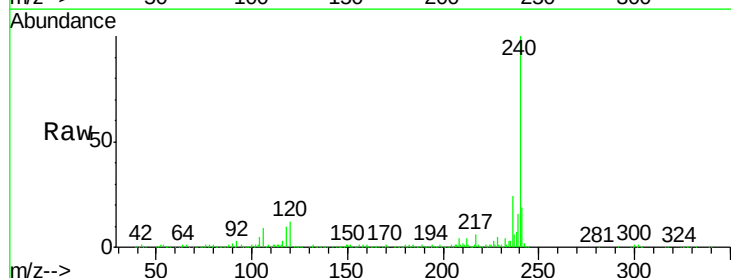
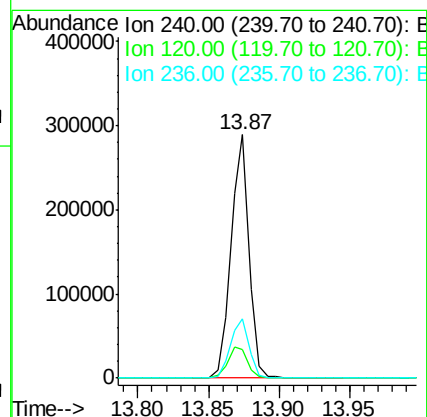
RT: 13.87 min Scan# 2004

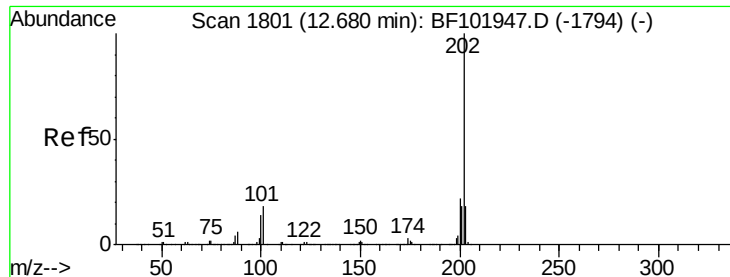
Delta R.T. -0.00 min

Lab File: BF102221.D

Acq: 19 Jan 2018 14:39

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.7	9.5	14.3
236	24.1	20.7	31.1





#77

Pvrene

Concen: 11.715 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF102221.D

Acq: 19 Jan 2018 14:39

Instrument :

BNA_F

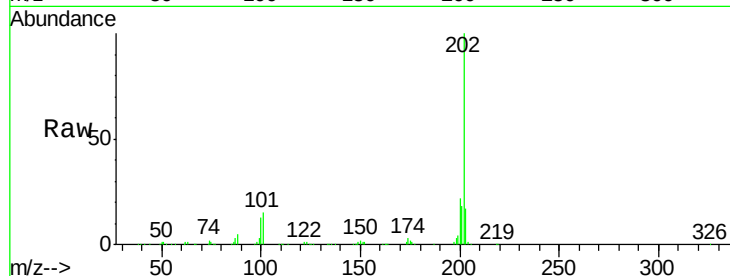
ClientSampleId :

A2 SB74 E-S 8DL

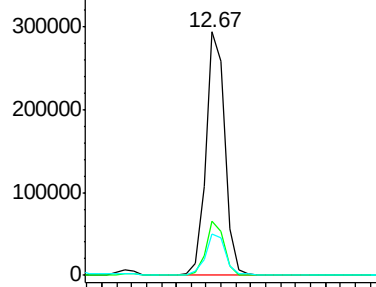
Tot Ion:	202	Resp:	262918
Ion Ratio		Lower	Upper
202	100		
200	22.1	17.4	26.2
203	17.1	14.3	21.5

Manual Integrations
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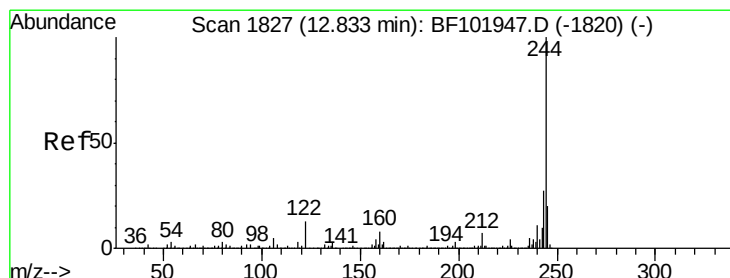
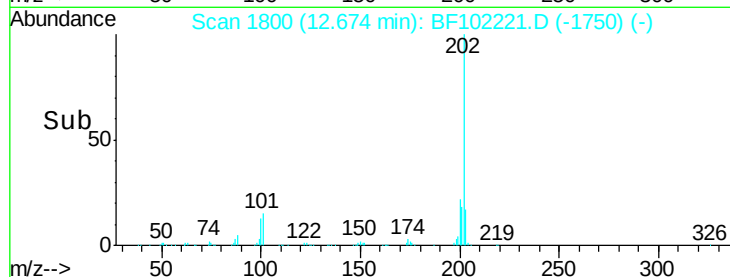
Sohil
1/22/2018 5:24:12 PM



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



Time-->



#78

Terphenyl-d14

Concen: 0.551 ng

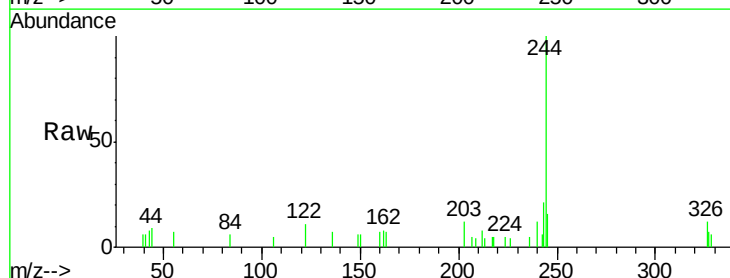
RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

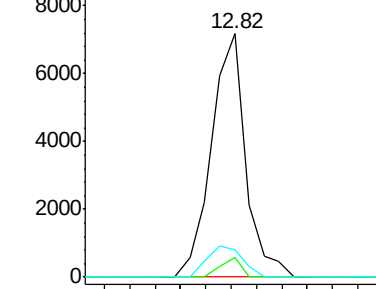
Lab File: BF102221.D

Acq: 19 Jan 2018 14:39

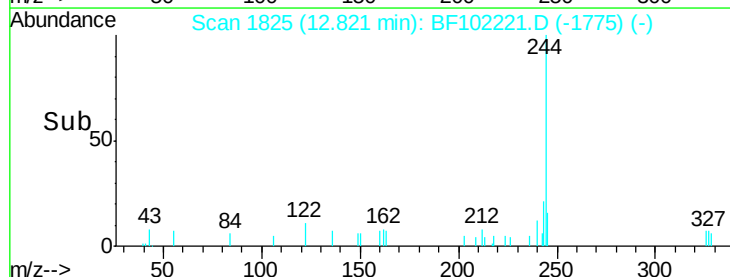
Tgt Ion:	244	Resp:	6736
Ion Ratio		Lower	Upper
244	100		
212	8.0	5.4	8.0
122	11.0	11.0	16.4

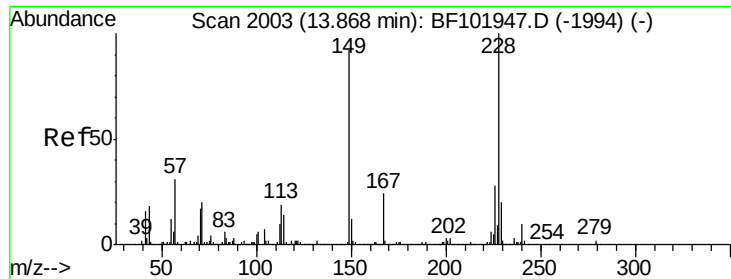


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->





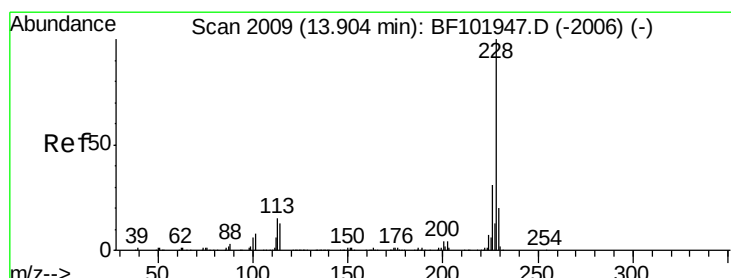
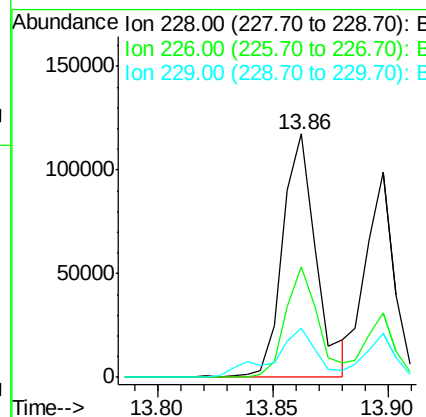
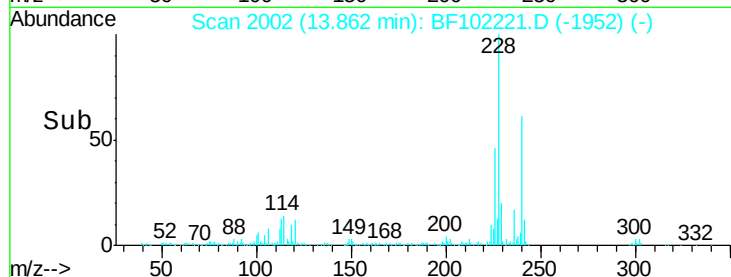
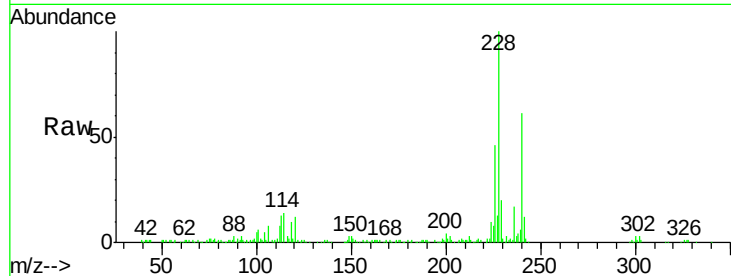
#80
Benzo(a)anthracene
Concen: 7.281 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF102221.D
Acq: 19 Jan 2018 14:39

Instrument :
BNA_F
ClientSampleId :
A2 SB74 E-S 8DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	45.6	22.6	33.8#
229	20.0	15.8	23.6

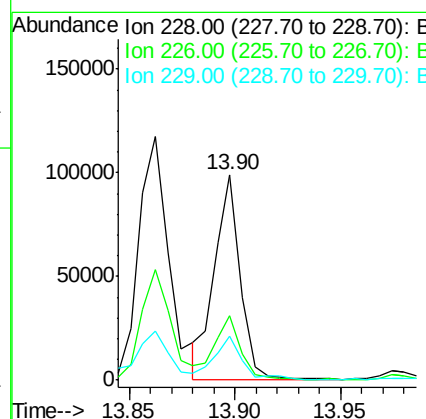
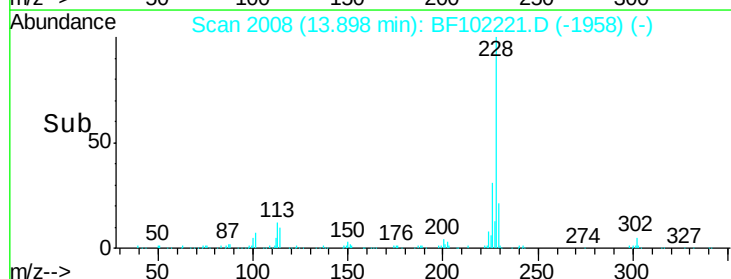
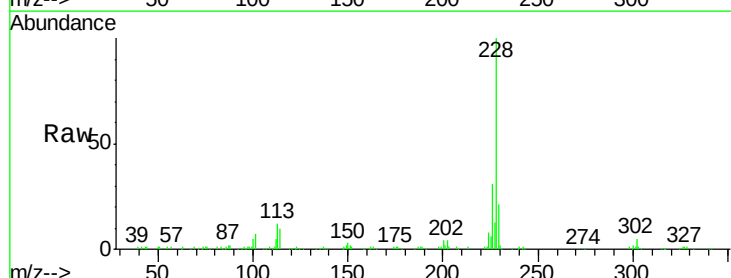
Manual Integrations
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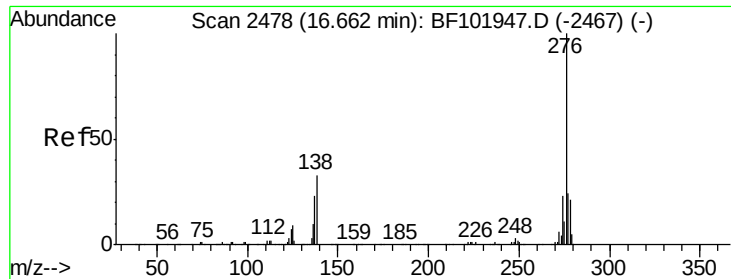
Sohil
1/22/2018 5:24:12 PM



#82
Chrysene
Concen: 4.933 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102221.D
Acq: 19 Jan 2018 14:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	21.2	16.2	24.4





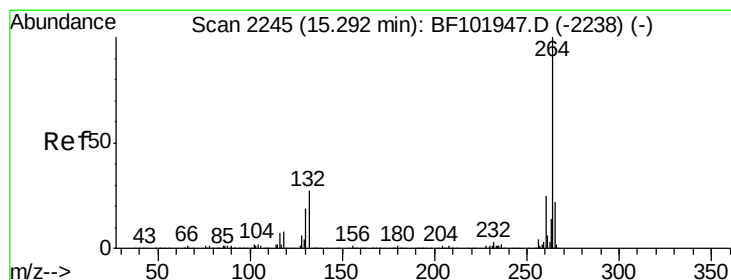
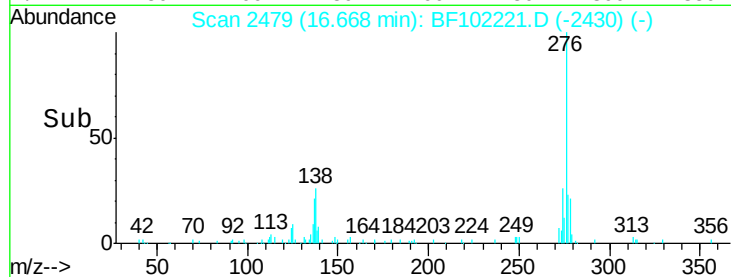
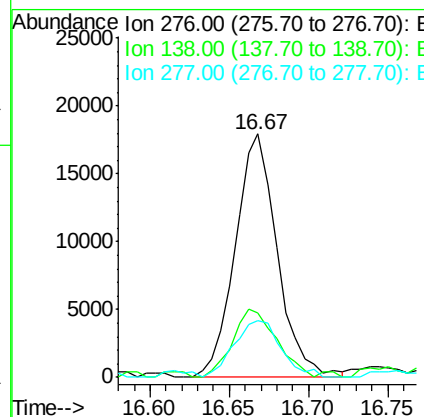
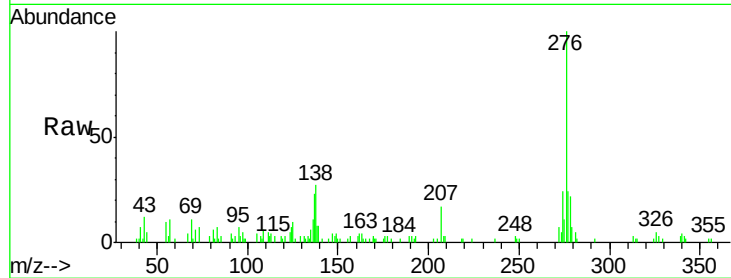
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.685 ng
 RT: 16.67 min Scan# 2479
 Delta R.T. -0.01 min
 Lab File: BF102221.D
 Acq: 19 Jan 2018 14:39

Instrument :
 BNA_F
 ClientSampleId :
 A2 SB74 E-S 8DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.2	25.0	37.6
277	26.1	20.1	30.1

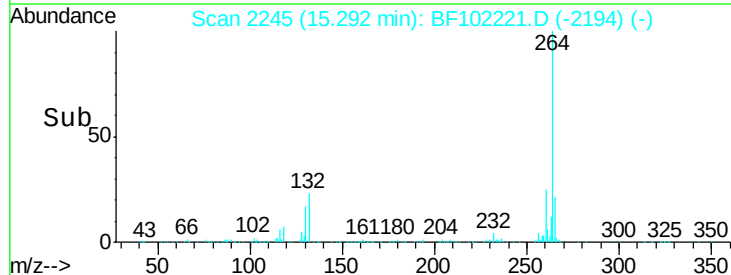
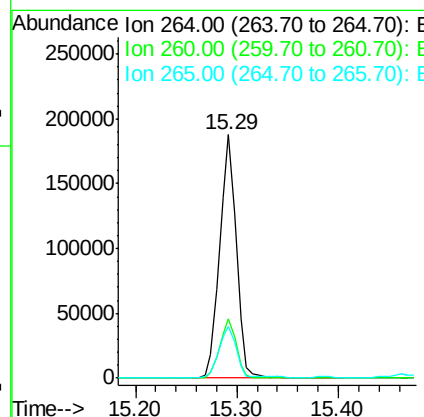
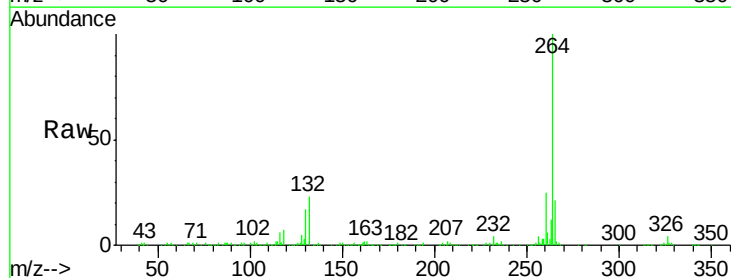
Manual Integrations
 APPROVED

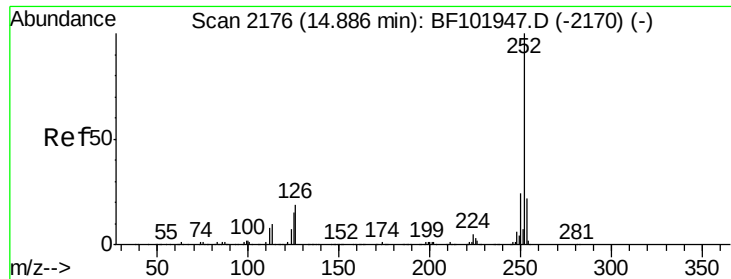
Sohil
 1/22/2018 5:24:12 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.29 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: BF102221.D
 Acq: 19 Jan 2018 14:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	21.1	17.5	26.3





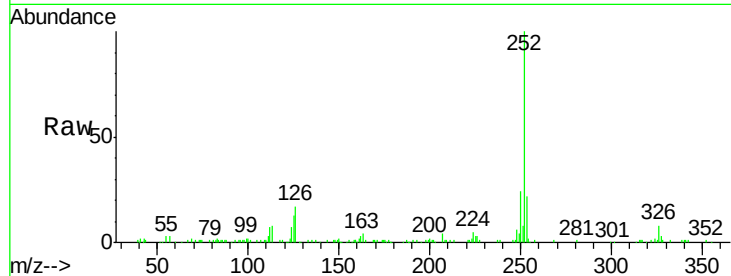
#87
Benzo(b)fluoranthene
Concen: 7.261 ng m
RT: 14.89 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BF102221.D
Acq: 19 Jan 2018 14:39

Instrument :
BNA_F
ClientSampleId :
A2 SB74 E-S 8DL

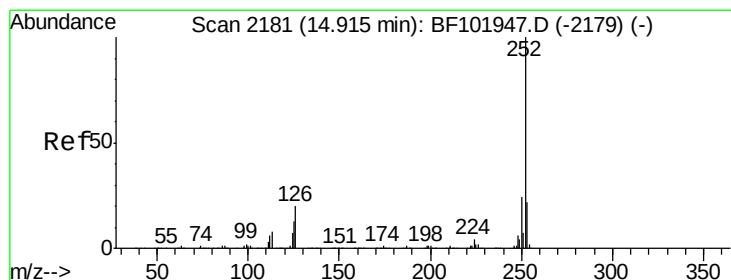
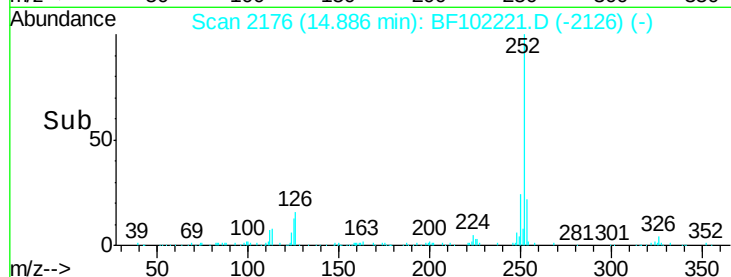
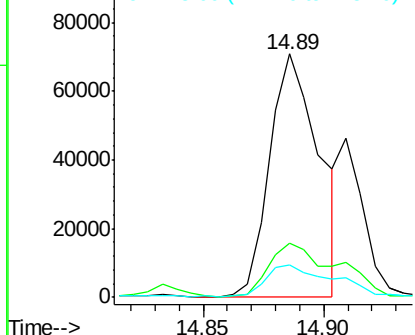
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	13.2	9.0	13.6

Manual Integrations
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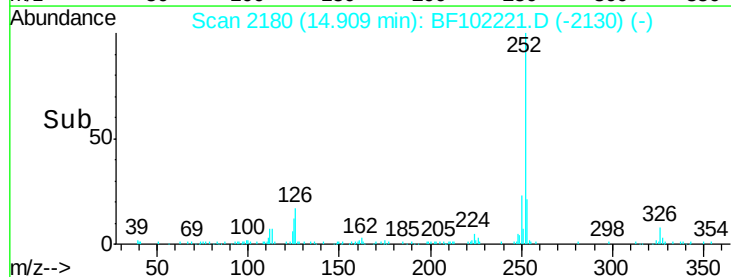
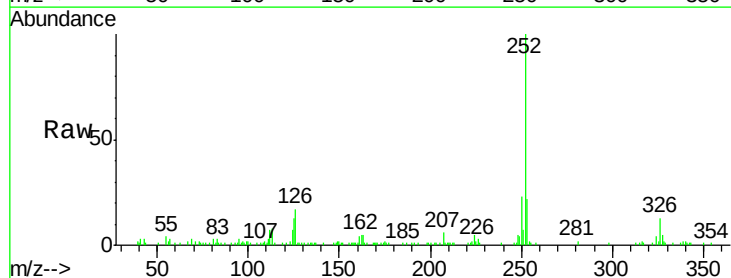
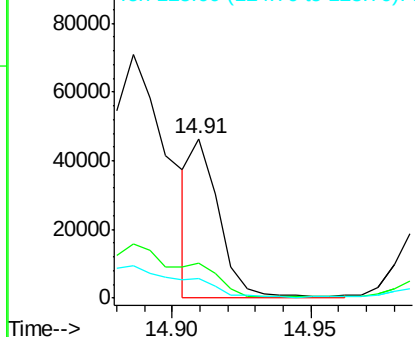
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

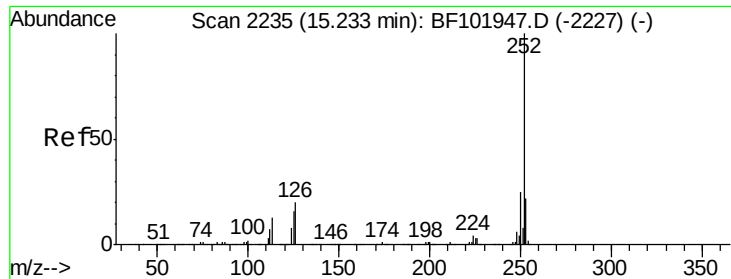


#88
Benzo(k)fluoranthene
Concen: 2.426 ng m
RT: 14.91 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BF102221.D
Acq: 19 Jan 2018 14:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	12.6	10.2	15.2

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





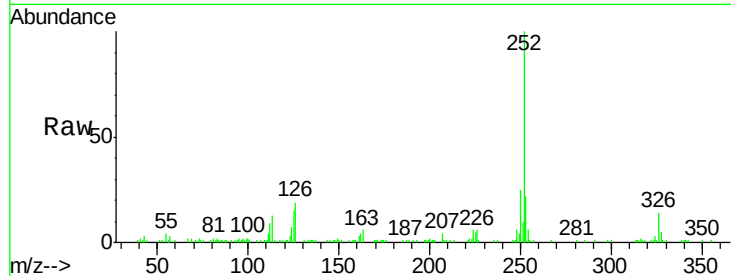
#89
Benzo(a)pyrene
Concen: 5.487 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF102221.D
Acq: 19 Jan 2018 14:39

Instrument :
BNA_F
ClientSampleId :
A2 SB74 E-S 8DL

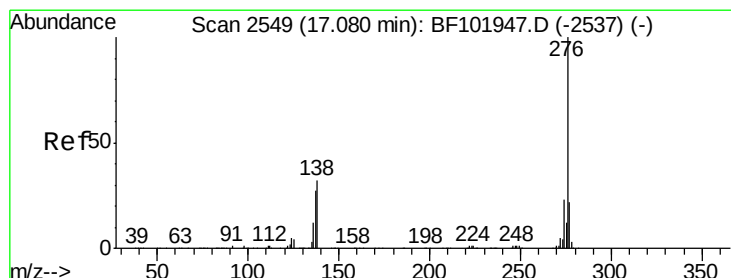
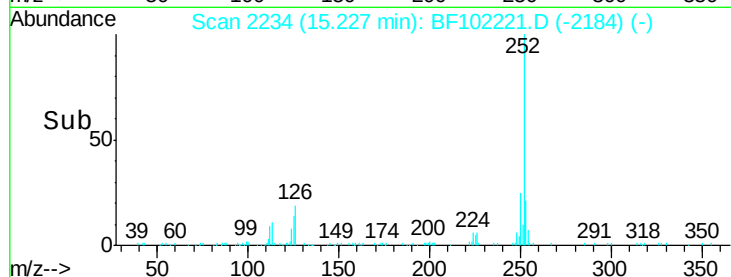
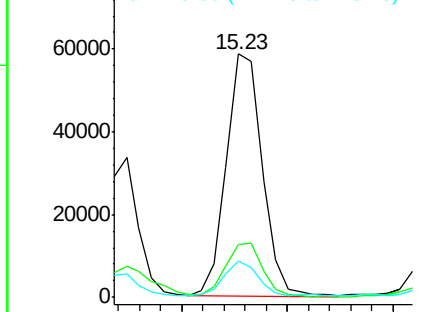
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	15.1	9.8	14.6

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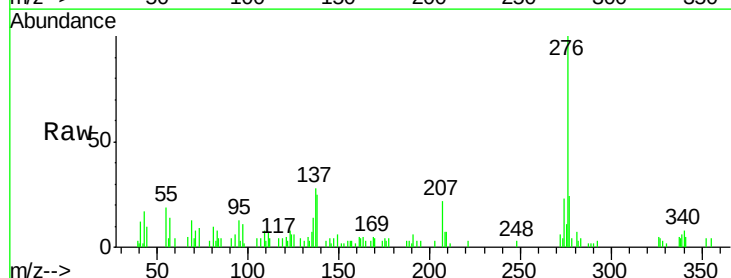


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.807 ng
RT: 17.09 min Scan# 2550
Delta R.T. -0.01 min
Lab File: BF102221.D
Acq: 19 Jan 2018 14:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	17.9	26.9
138	24.5	21.8	32.8



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

