

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020618\
 Data File : BF102784.D
 Acq On : 6 Feb 2018 15:18
 Operator : SJ/JU
 Sample : J1454-16DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-10-EW(2-4)DL

Manual Integrations
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Quant Time: Feb 07 12:22:13 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	146280	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	648660	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	266309	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	368396	20.00	ng	0.00
75) Chrysene-d12	14.05	240	287342	20.00	ng	0.00
86) Perylene-d12	15.53	264	274133	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	315084	32.71	ng	0.00
7) Phenol-d6	6.50	99	368653	31.79	ng	0.00
23) Nitrobenzene-d5	7.44	82	235397	25.17	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	46715	21.79	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	343943	21.43	ng	0.00
78) Terphenyl-d14	12.99	244	203716	16.79	ng	-0.01

Target Compounds

						Qvalue
37) 2-Methylnaphthalene	8.87	142	42022	2.025	ng	99
51) Acenaphthene	9.95	154	52316	3.190	ng	97
57) Fluorene	10.47	166	72831	4.331	ng	# 99
70) Phenanthrene	11.43	178	616459	30.046	ng	99
71) Anthracene	11.48	178	125637	6.021	ng	98
72) Carbazole	11.63	167	72169	3.530	ng	95
74) Fluoranthene	12.62	202	685186	33.193	ng	98
77) Pyrene	12.85	202	577527	25.631	ng	99
80) Benzo(a)anthracene	14.04	228	270769	14.984	ng	99
82) Chrysene	14.07	228	308214m	16.919	ng	
85) Indeno(1,2,3-cd)pyrene	17.03	276	111099	7.353	ng	95
87) Benzo(b)fluoranthene	15.10	252	348049m	19.583	ng	
88) Benzo(k)fluoranthene	15.12	252	109063m	6.422	ng	
89) Benzo(a)pyrene	15.47	252	214714	13.421	ng	# 89
90) Dibenzo(a,h)anthracene	17.04	278	29516	2.273	ng	# 74
91) Benzo(g,h,i)perylene	17.48	276	97611	7.680	ng	94

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

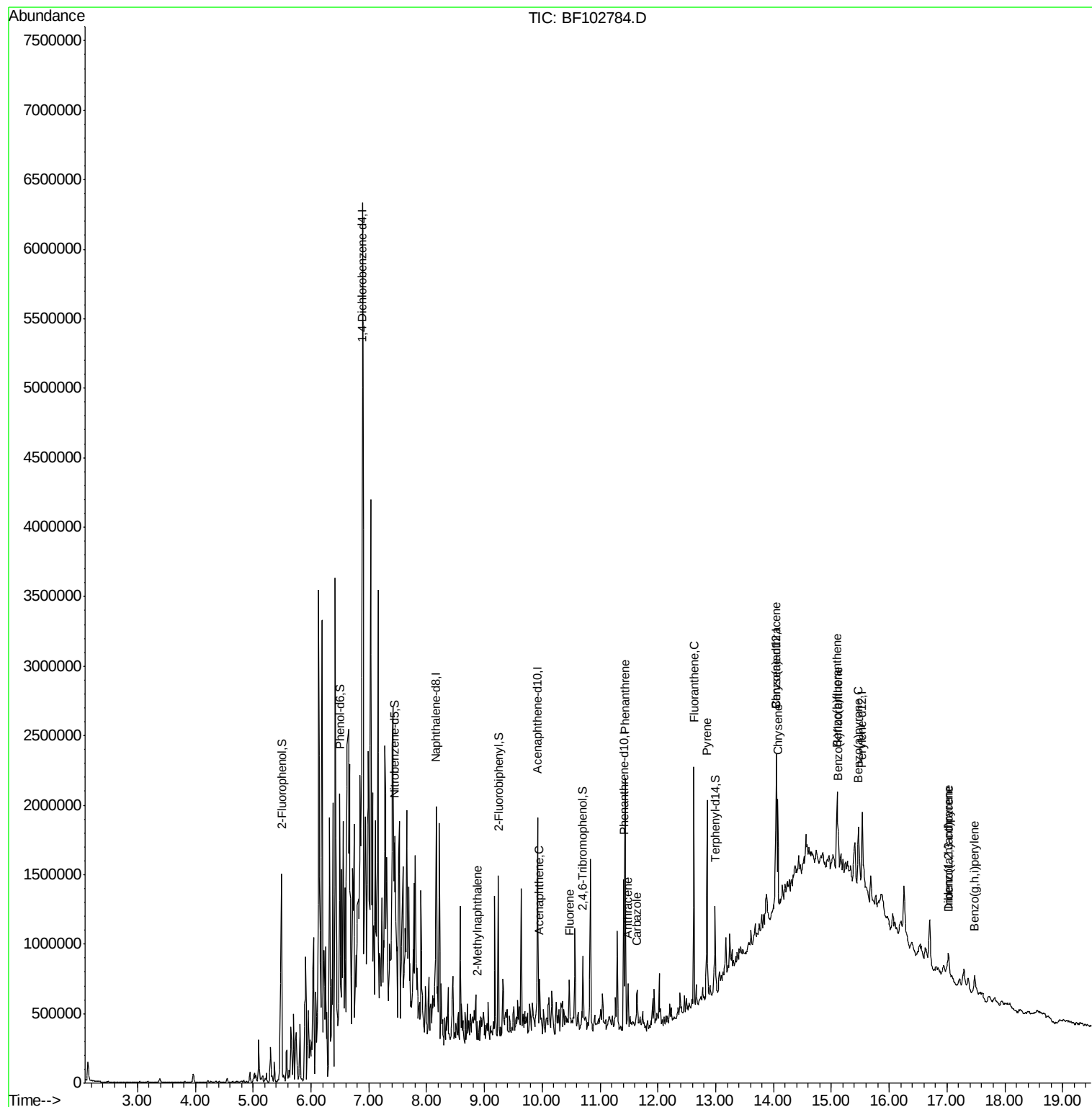
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020618\
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ALS Vial : 14 Sample Multiplier: 1

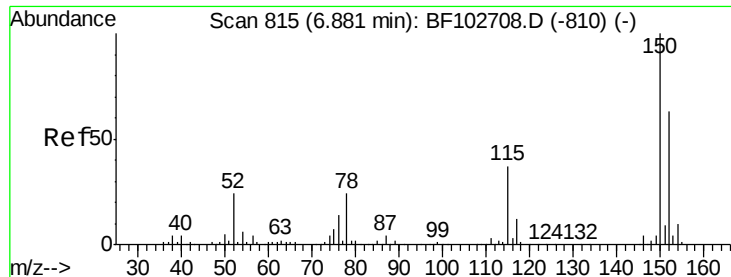
Instrument :
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8-SAN-10-EW(2-4)DL

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Quant Time: Feb 07 12:22:13 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
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#1

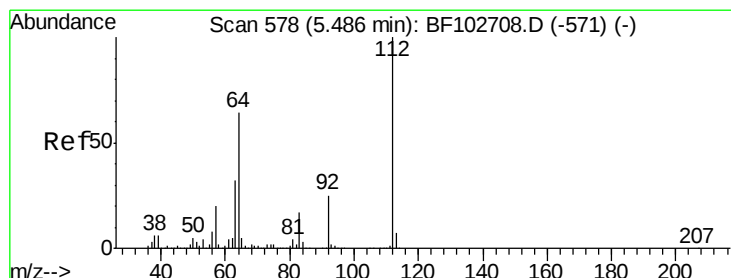
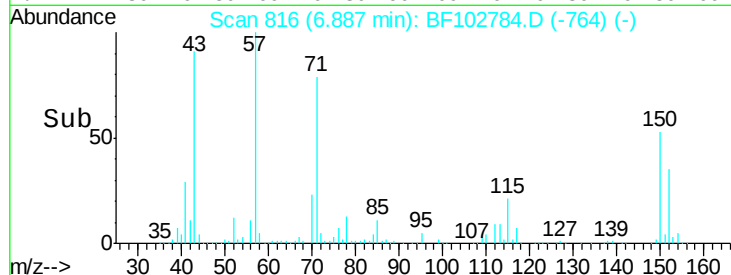
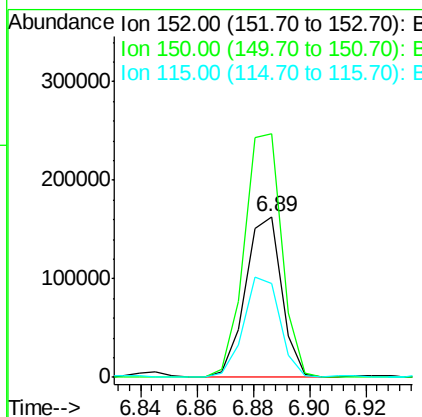
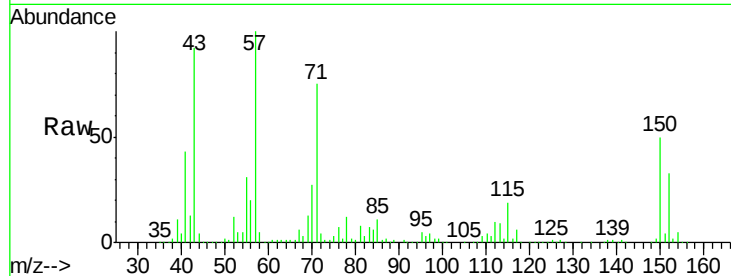
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102784.D
Acq: 6 Feb 2018 15:18

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-EW(2-4)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.6	124.6	186.8
115	58.5	50.1	75.1

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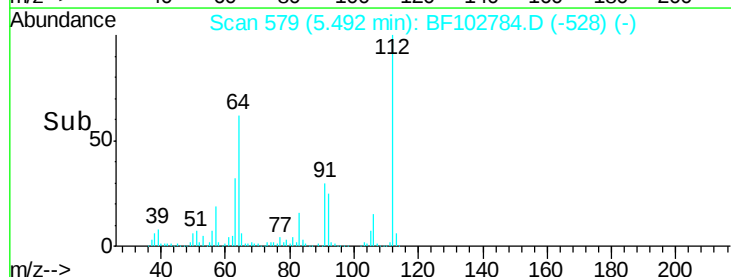
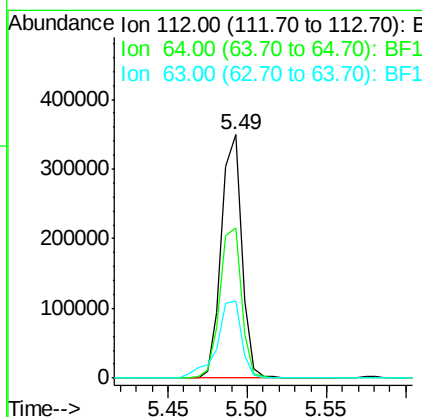
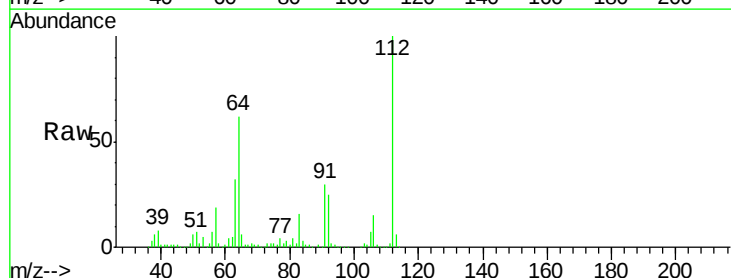
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#5

2-Fluorophenol
Concen: 32.712 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF102784.D
Acq: 6 Feb 2018 15:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.8	47.9	71.9
63	31.5	23.7	35.5





#7

Phenol-d6

Concen: 31.787 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF102784.D

Acq: 6 Feb 2018 15:18

Instrument :

BNA_F

ClientSampleId :

8-SAN-10-EW(2-4)DL

Tot Ion: 99 Resp: 368653

Ion Ratio Lower Upper

99 100

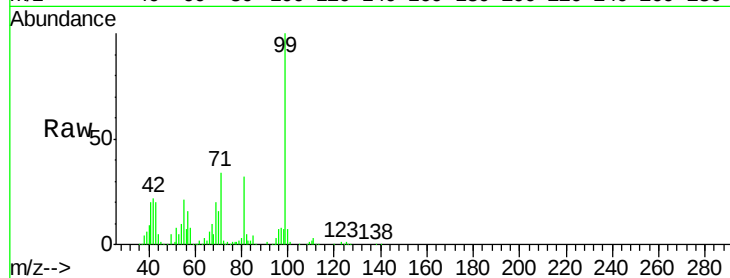
42 21.9 14.5 21.7#

71 33.6 25.4 38.0

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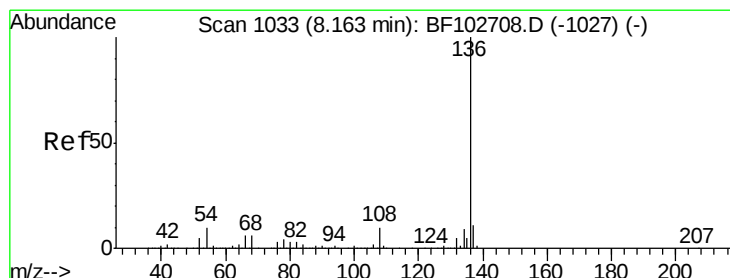
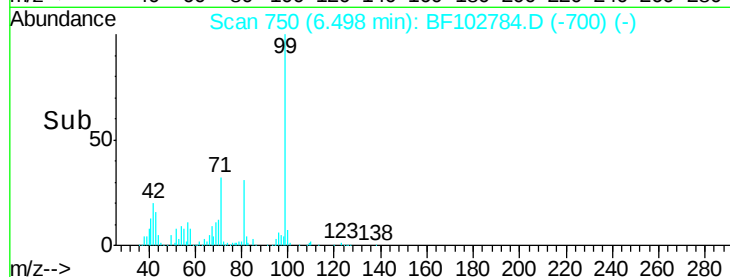
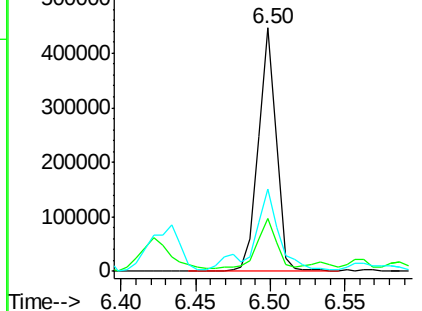
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BF102784.D

Acq: 6 Feb 2018 15:18

Tgt Ion: 136 Resp: 648660

Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 9.7 6.6 9.8

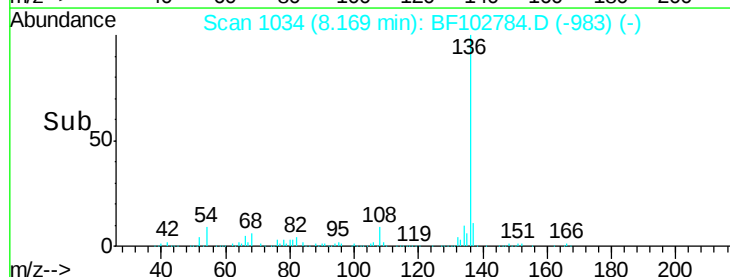
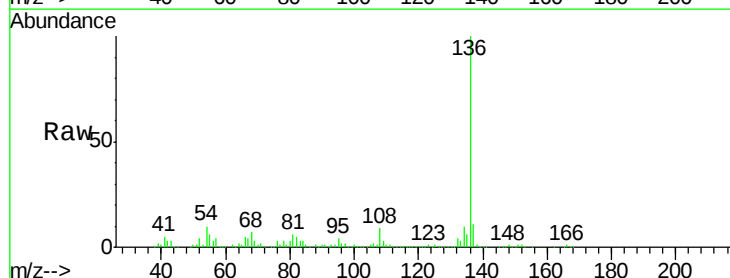
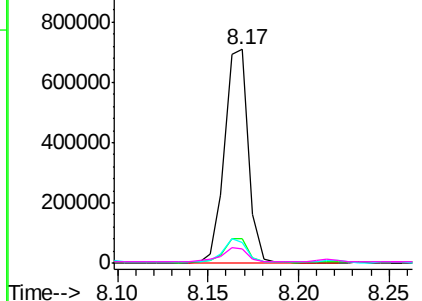
68 6.8 5.0 7.4

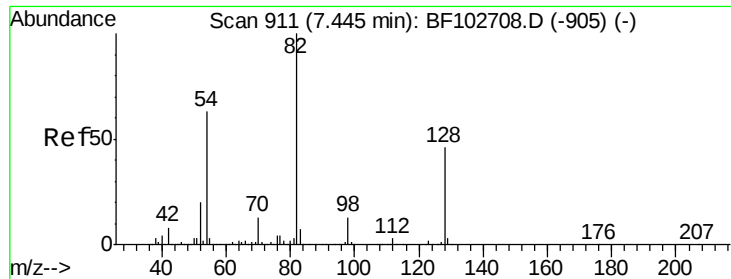
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





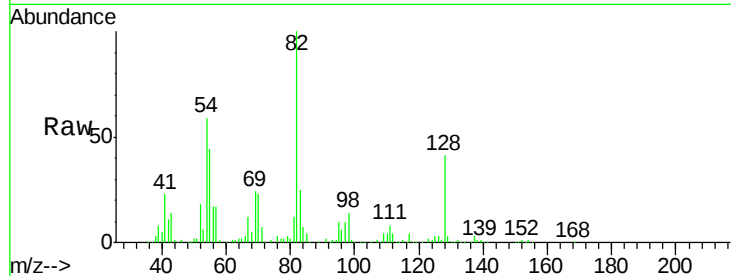
#23
 Nitrobenzene-d5
 Concen: 25.174 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF102784.D
 Acq: 6 Feb 2018 15:18

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-10-EW(2-4)DL

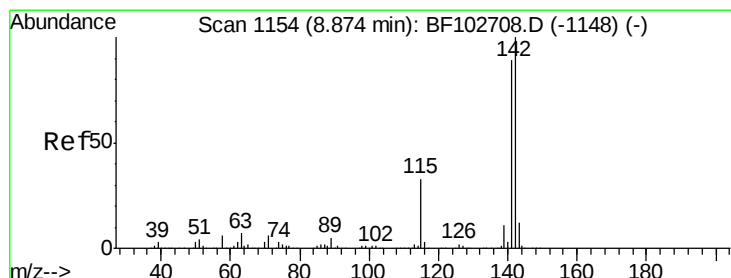
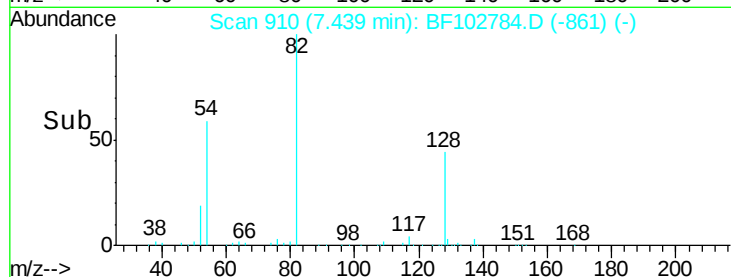
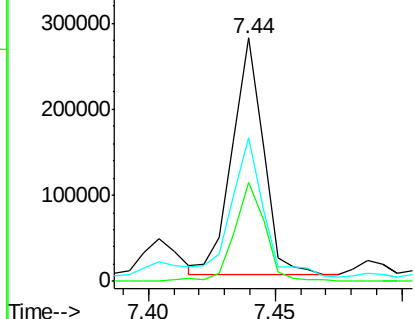
Tot Ion	Ratio	Resp	Lower	Upper
82	100	235397		
128	40.8	36.1	54.1	
54	59.1	41.4	62.2	

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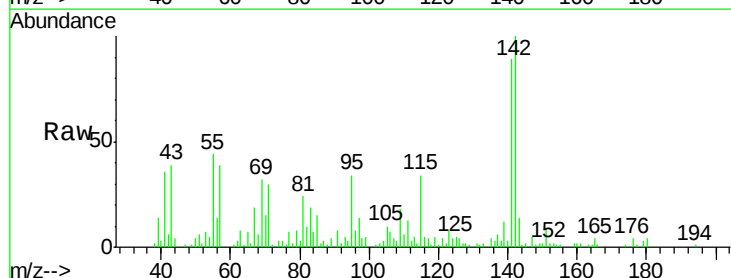


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

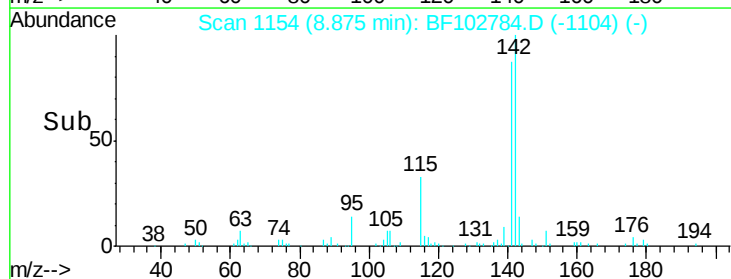
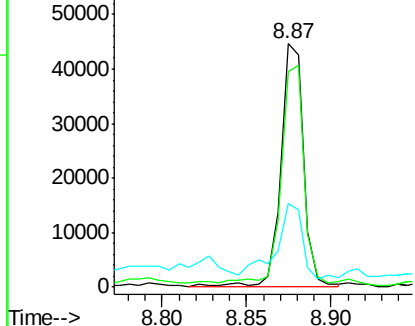


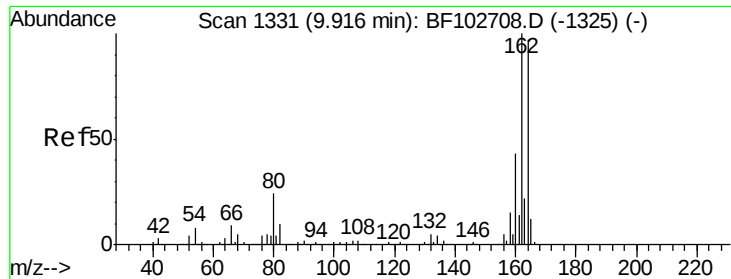
#37
 2-Methylnaphthalene
 Concen: 2.025 ng
 RT: 8.87 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: BF102784.D
 Acq: 6 Feb 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	42022		
141	88.7	70.8	106.2	
115	34.3	26.1	39.1	



Abundance Ion 142.00 (141.70 to 142.70): BF1
 Ion 141.00 (140.70 to 141.70): BF1
 Ion 115.00 (114.70 to 115.70): BF1





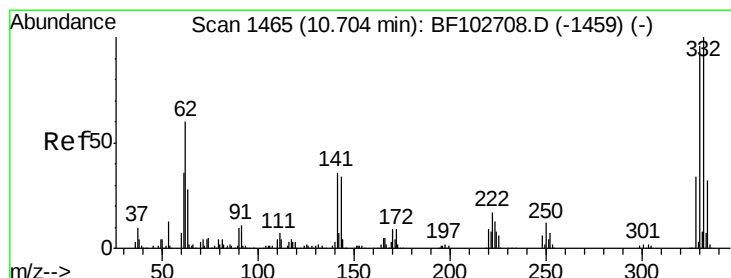
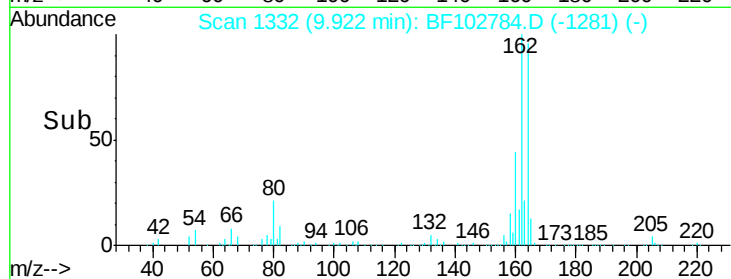
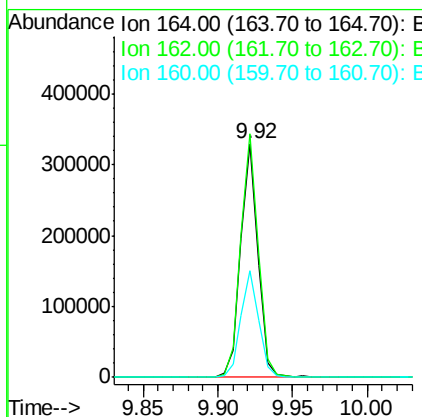
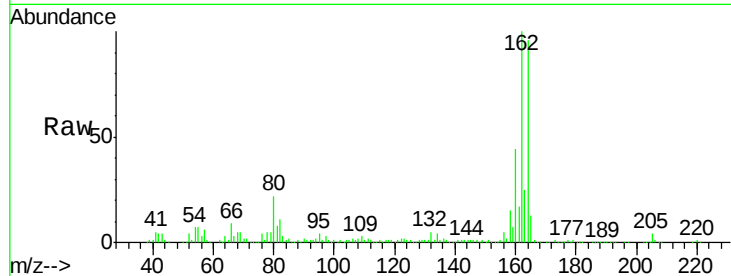
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.00 min
Lab File: BF102784.D
Acq: 6 Feb 2018 15:18

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-EW(2-4)DL

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.2	86.1	129.1	
160	45.6	38.3	57.5	

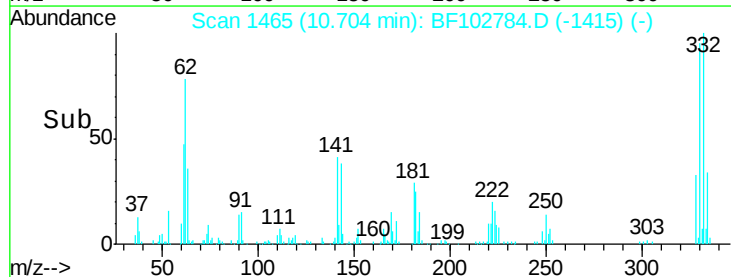
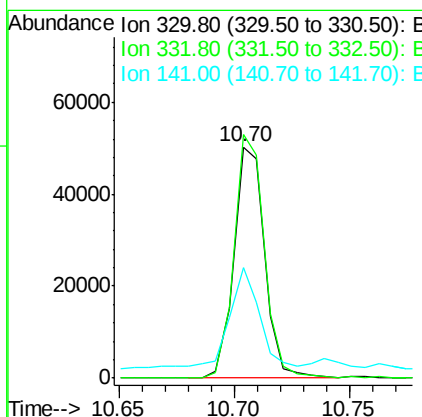
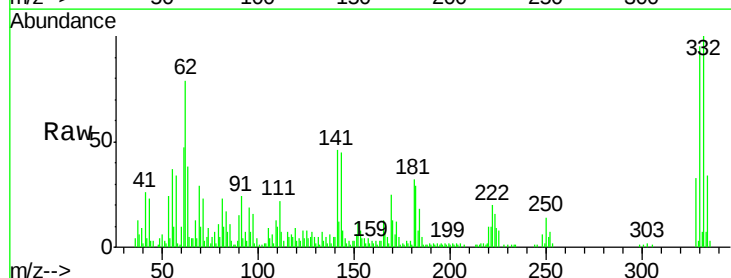
Manual Integrations
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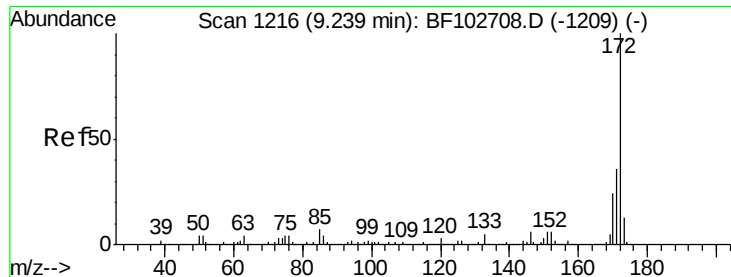
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#41
2,4,6-Tribromophenol
Concen: 21.794 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF102784.D
Acq: 6 Feb 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	104.0	77.0	115.6	
141	47.3	29.9	44.9	





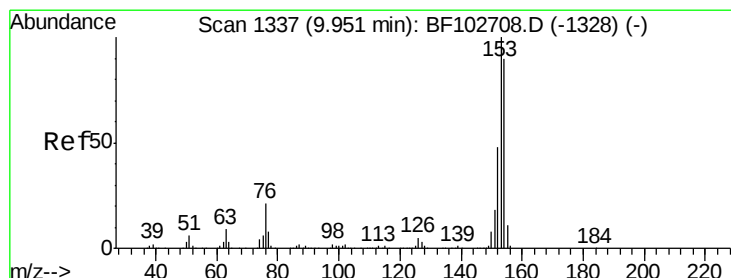
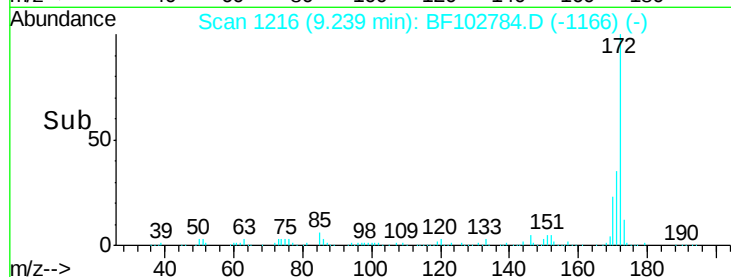
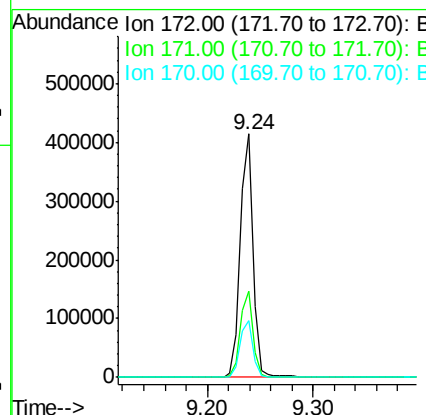
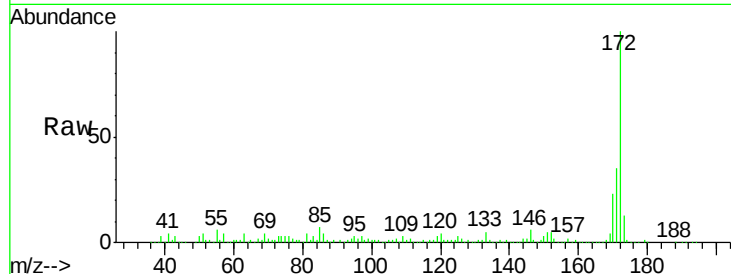
#44
2-Fluorobiphenyl
Concen: 21.431 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF102784.D
Acq: 6 Feb 2018 15:18

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-EW(2-4)DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	23.4	19.6	29.4

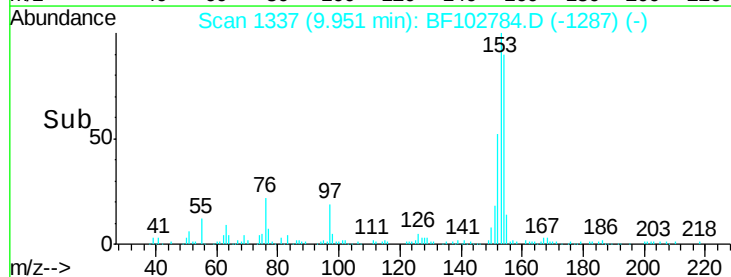
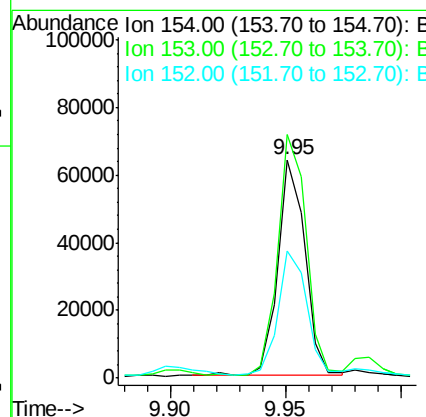
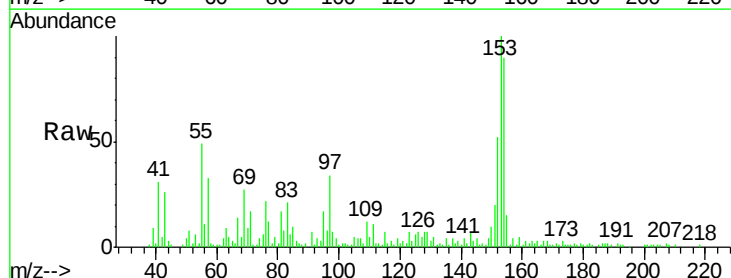
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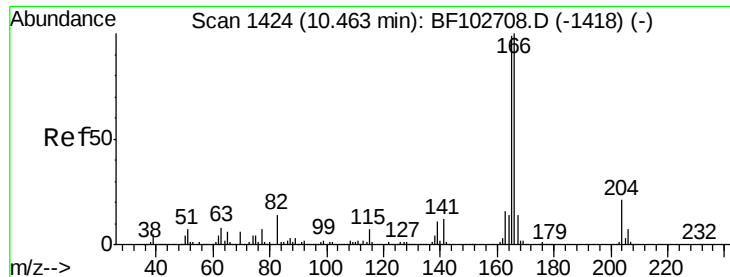
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#51
Acenaphthene
Concen: 3.190 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF102784.D
Acq: 6 Feb 2018 15:18

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.7	91.2	136.8
152	58.4	43.8	65.8





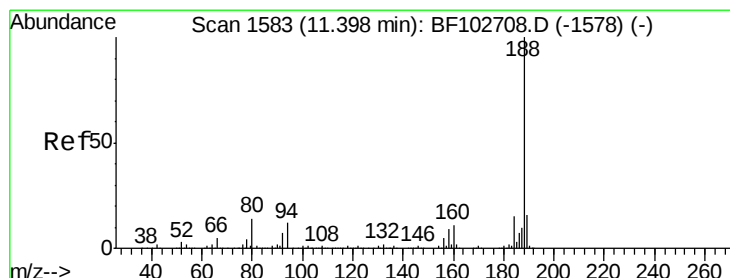
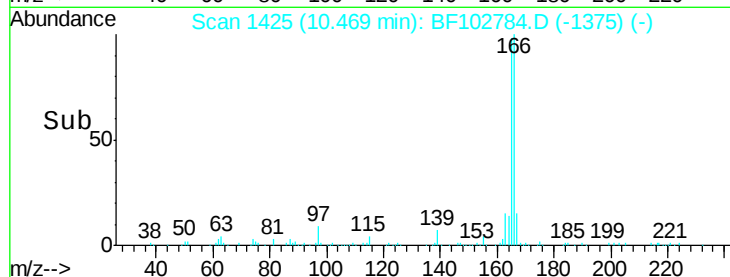
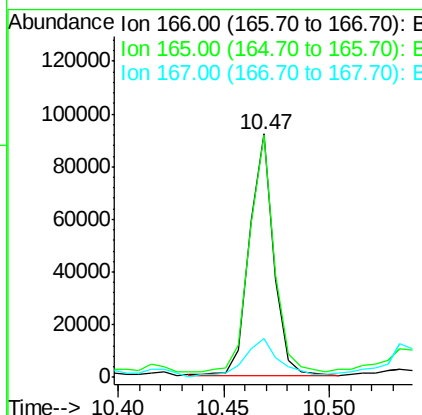
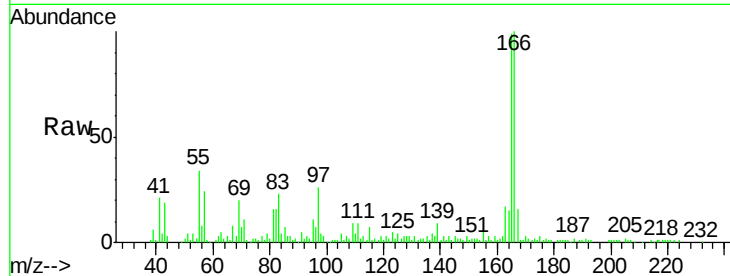
#57
Fluorene
 Concen: 4.331 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF102784.D
 Acq: 6 Feb 2018 15:18

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-10-EW(2-4)DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.4	79.8	119.8
167	16.1	10.6	16.0#

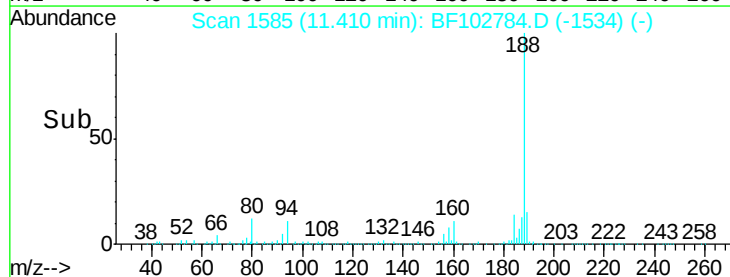
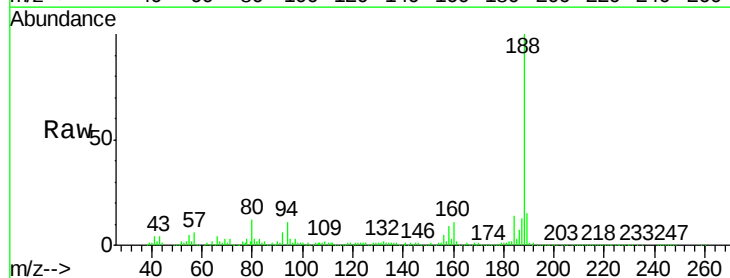
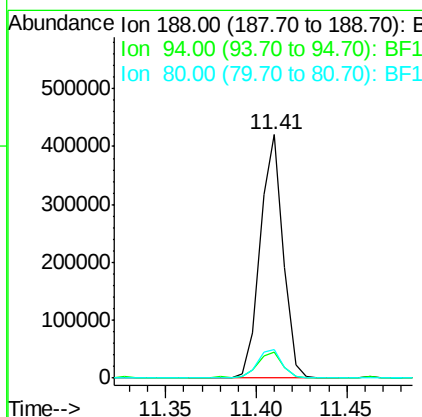
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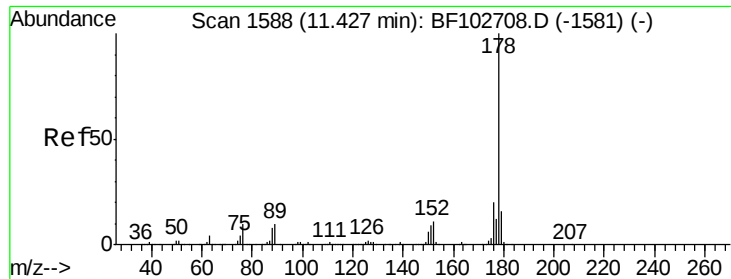
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: BF102784.D
 Acq: 6 Feb 2018 15:18

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.5	12.7
80	11.8	9.2	13.8





#70

Phenanthrene

Concen: 30.046 ng

RT: 11.43 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BF102784.D

Acq: 6 Feb 2018 15:18

Instrument :

BNA_F

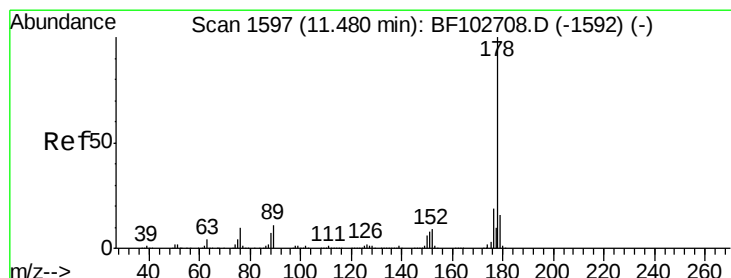
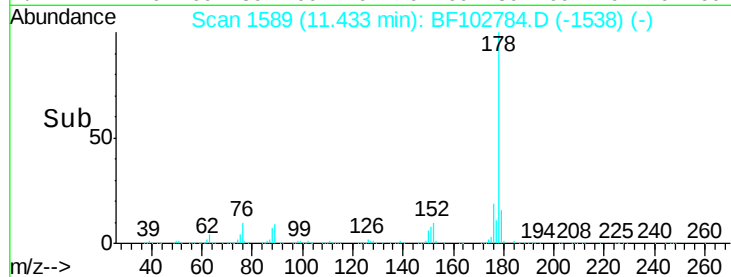
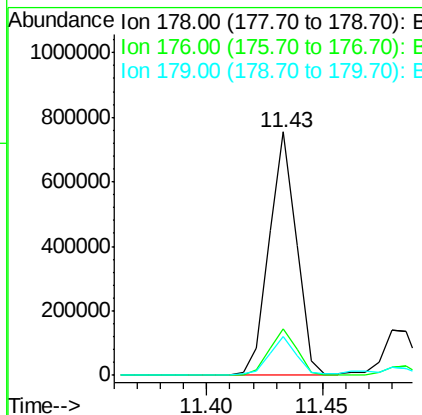
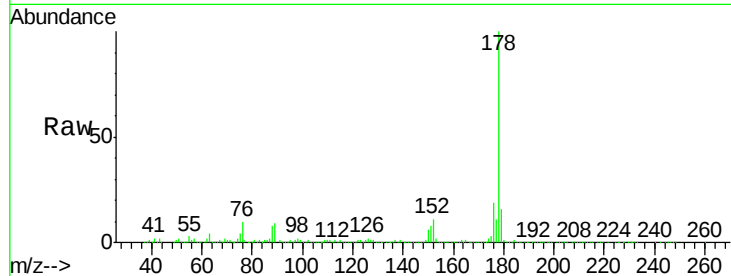
ClientSampleId :

8-SAN-10-EW(2-4)DL

Tot Ion:178	Resp:	616459
Ion Ratio	Lower	Upper
178	100	
176	19.1	15.8 23.8
179	16.1	13.0 19.6

Manual Integrations
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#71

Anthracene

Concen: 6.021 ng

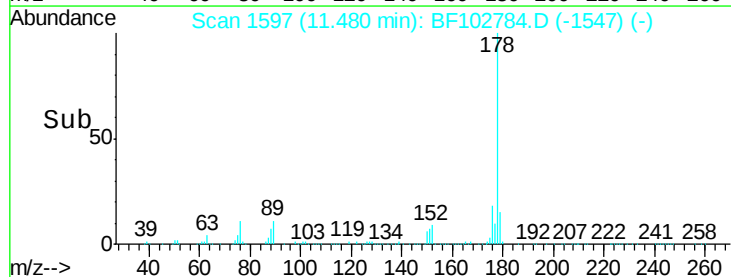
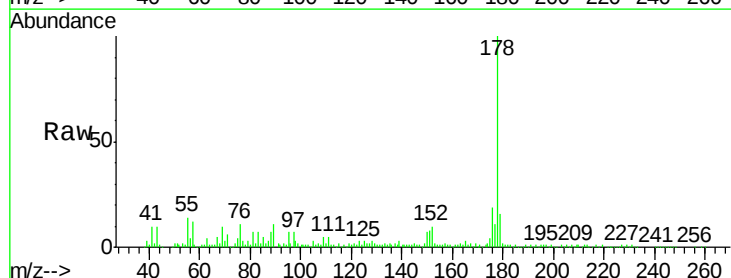
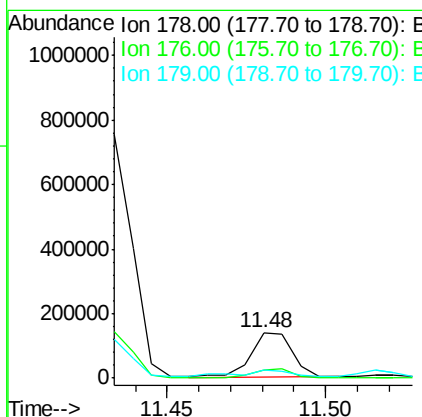
RT: 11.48 min Scan# 1597

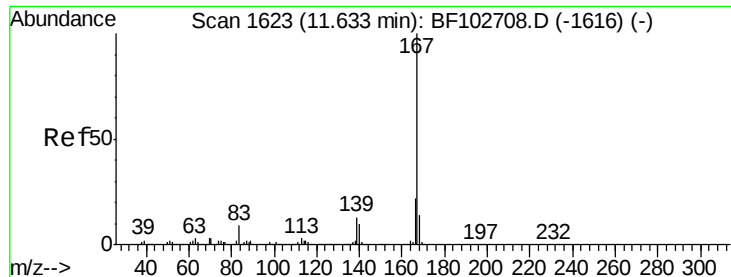
Delta R.T. -0.01 min

Lab File: BF102784.D

Acq: 6 Feb 2018 15:18

Tgt Ion:178	Resp:	125637
Ion Ratio	Lower	Upper
178	100	
176	18.6	15.4 23.2
179	16.5	12.6 19.0





#72

Carbazole

Concen: 3.530 ng

RT: 11.63 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BF102784.D

Acq: 6 Feb 2018 15:18

Instrument :

BNA_F

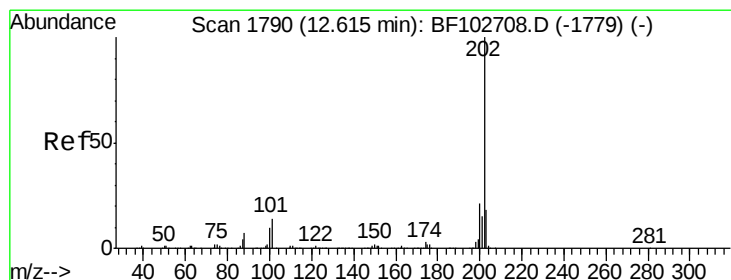
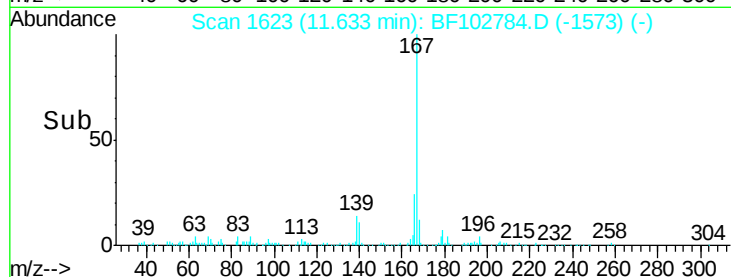
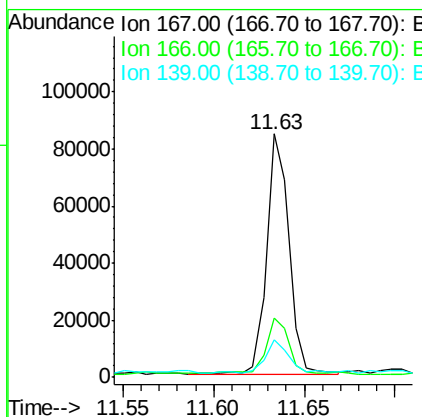
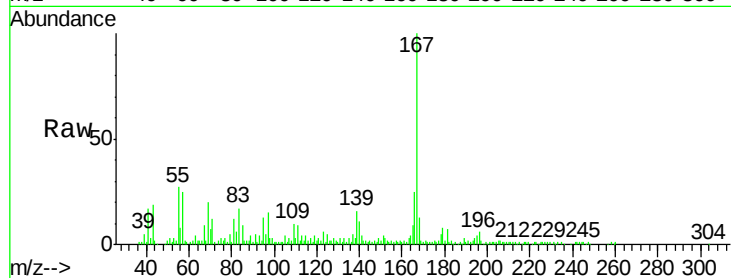
ClientSampleId :

8-SAN-10-EW(2-4)DL

Tot Ion:	167	Resp:	72169
Ion Ratio	Lower	Upper	
167	100		
166	24.6	17.6	26.4
139	15.6	10.9	16.3

Manual Integrations
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#74

Fluoranthene

Concen: 33.193 ng

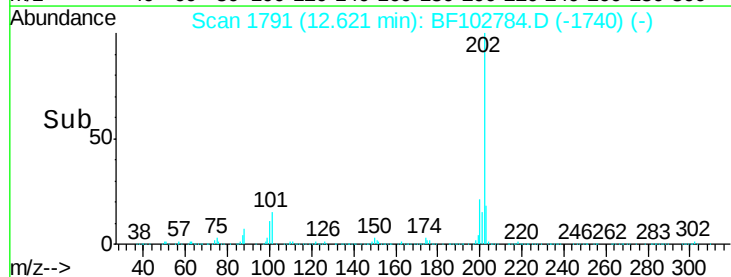
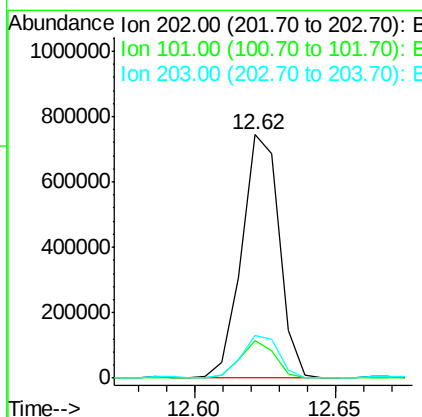
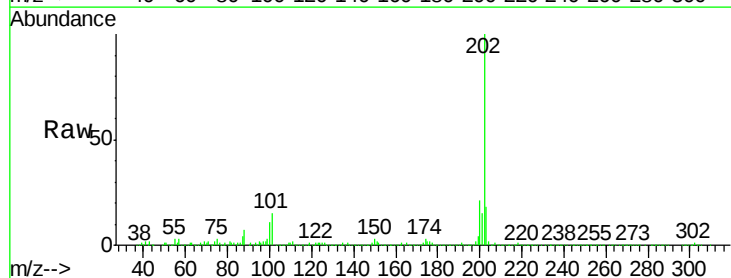
RT: 12.62 min Scan# 1791

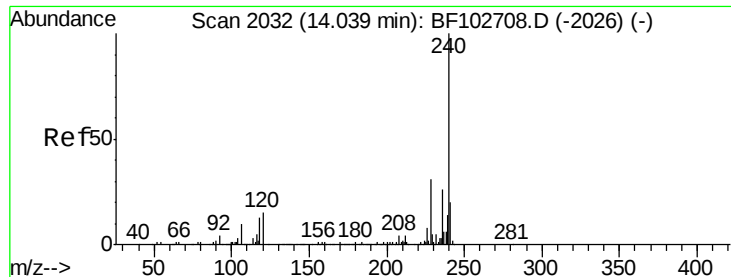
Delta R.T. 0.00 min

Lab File: BF102784.D

Acq: 6 Feb 2018 15:18

Tgt Ion:	202	Resp:	685186
Ion Ratio	Lower	Upper	
202	100		
101	15.4	0.0	34.1
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF102784.D

Acq: 6 Feb 2018 15:18

Instrument :

BNA_F

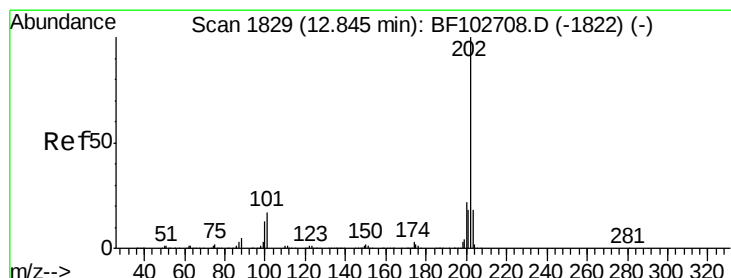
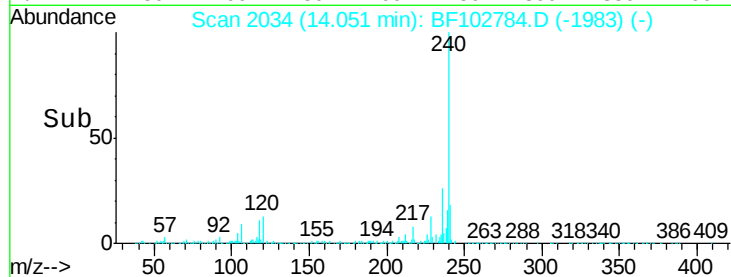
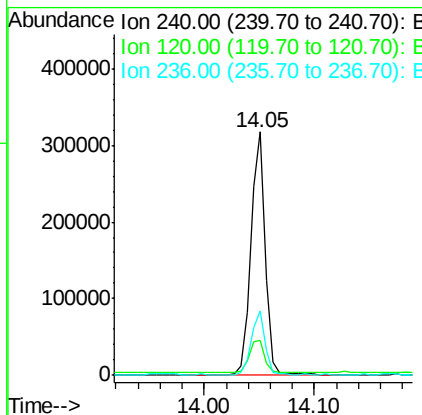
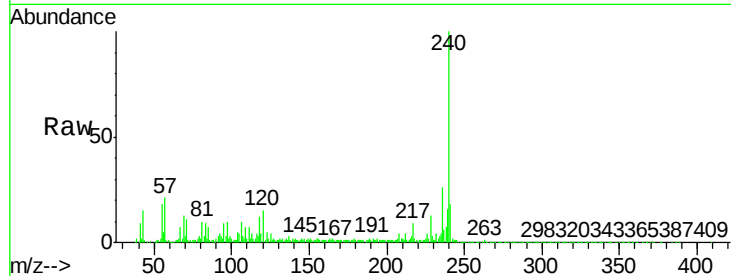
ClientSampleId :

8-SAN-10-EW(2-4)DL

Tot Ion:	240	Resp:	287342
Ion Ratio	Lower	Upper	
240	100		
120	14.6	9.5	14.3#
236	26.3	20.7	31.1

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#77

Pyrene

Concen: 25.631 ng

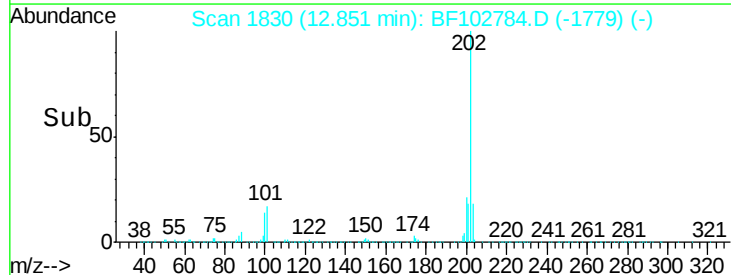
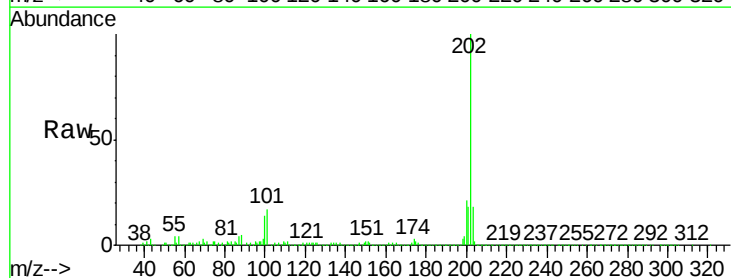
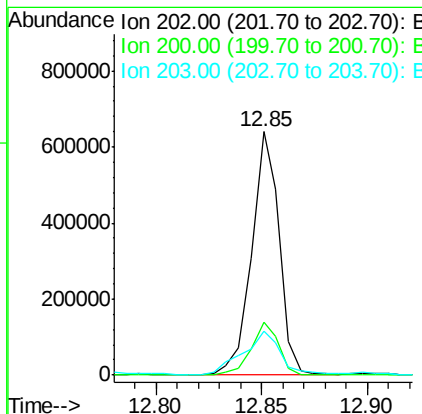
RT: 12.85 min Scan# 1830

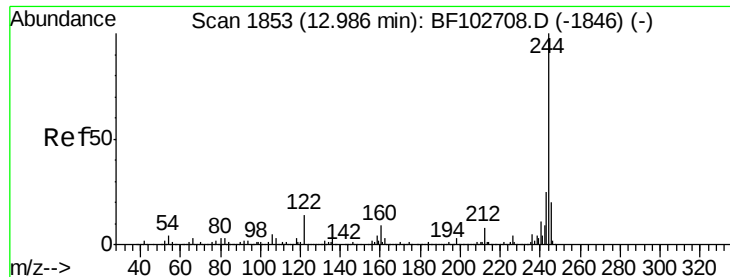
Delta R.T. 0.00 min

Lab File: BF102784.D

Acq: 6 Feb 2018 15:18

Tgt Ion:	202	Resp:	577527
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.4	26.2
203	18.1	14.3	21.5





#78

Terphenyl-d14

Concen: 16.787 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF102784.D

Acq: 6 Feb 2018 15:18

Instrument :

BNA_F

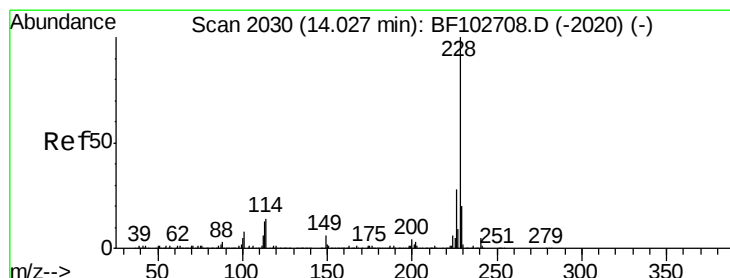
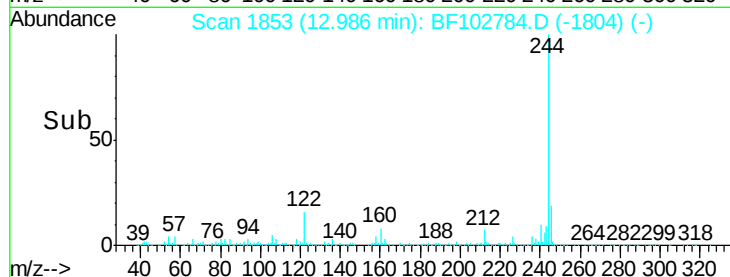
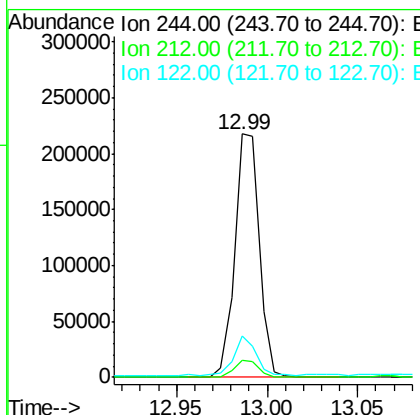
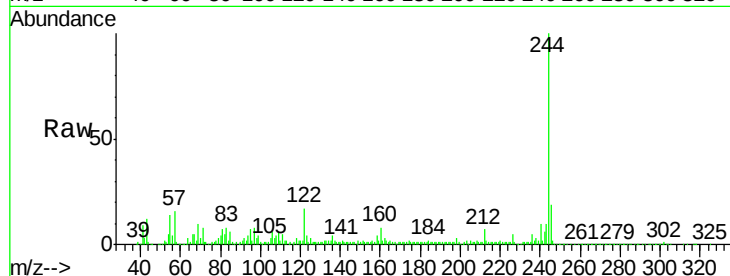
ClientSampleId :

8-SAN-10-EW(2-4)DL

Tot Ion:	244	Resp:	203716
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.4	8.0
122	16.8	11.0	16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 14.984 ng

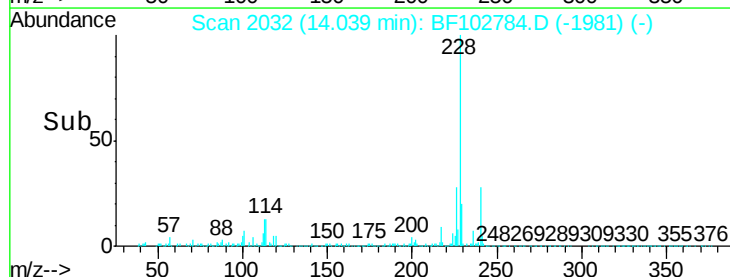
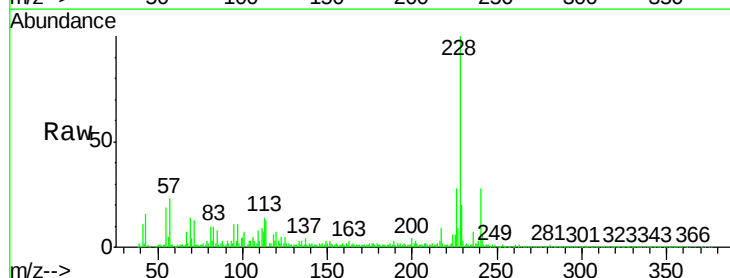
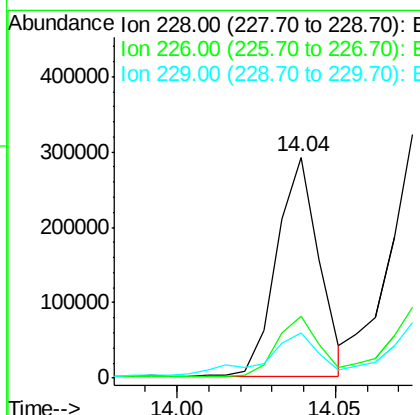
RT: 14.04 min Scan# 2032

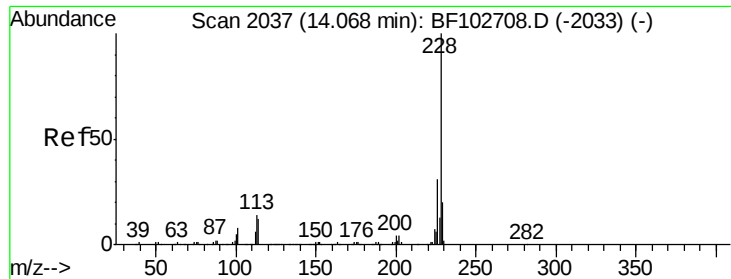
Delta R.T. -0.00 min

Lab File: BF102784.D

Acq: 6 Feb 2018 15:18

Tgt Ion:	228	Resp:	270769
Ion Ratio	Lower	Upper	
228	100		
226	27.9	22.6	33.8
229	20.3	15.8	23.6





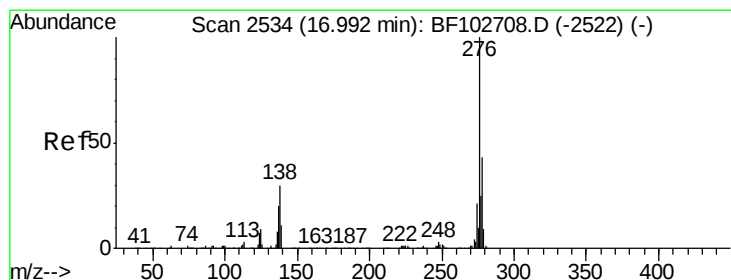
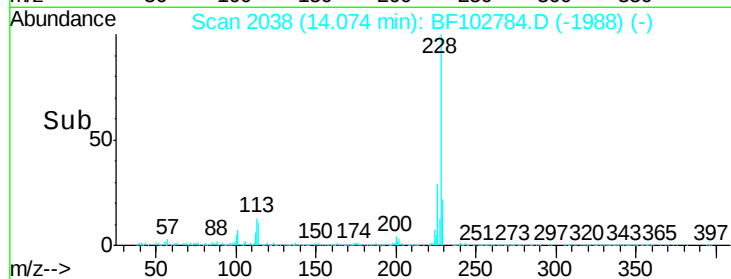
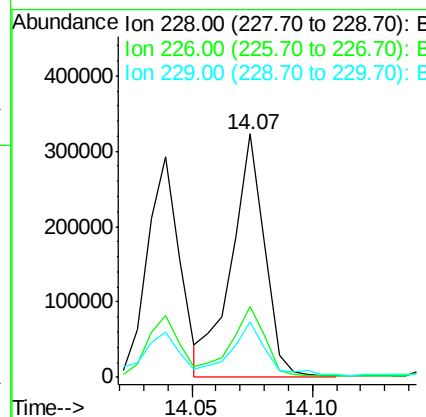
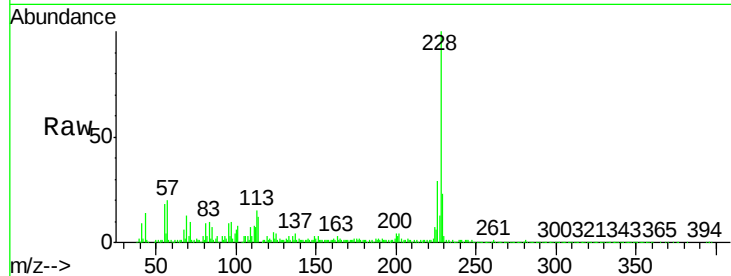
#82
Chrysene
Concen: 16.919 ng/mL
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF102784.D
Acq: 6 Feb 2018 15:18

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-EW(2-4)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.0	37.6
229	22.9	16.2	24.4

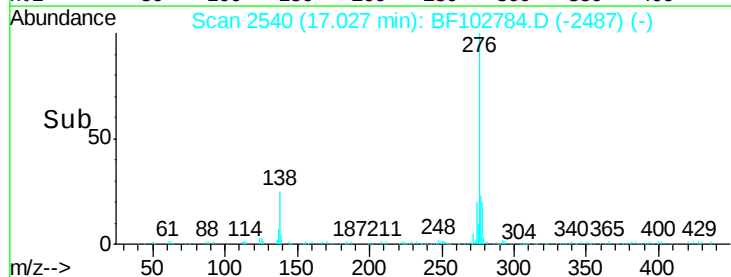
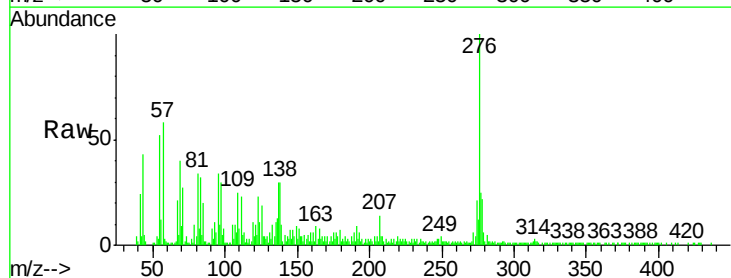
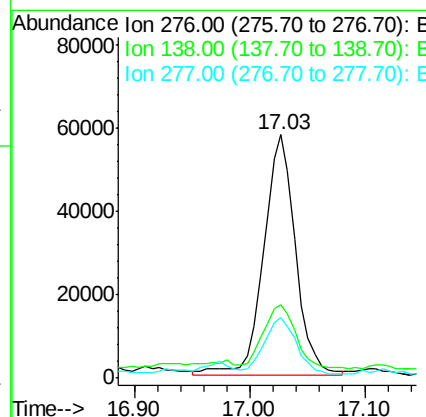
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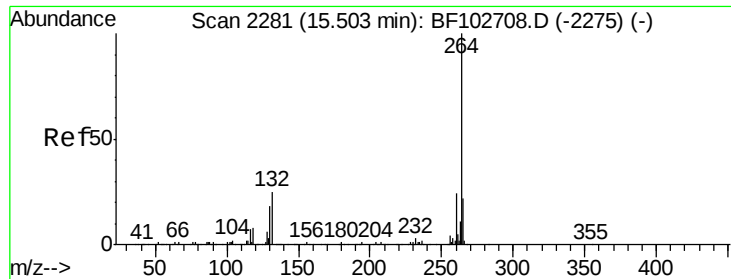
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#85
Indeno(1,2,3-cd)pyrene
Concen: 7.353 ng/mL
RT: 17.03 min Scan# 2540
Delta R.T. 0.01 min
Lab File: BF102784.D
Acq: 6 Feb 2018 15:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.1	25.0	37.6
277	23.5	20.1	30.1





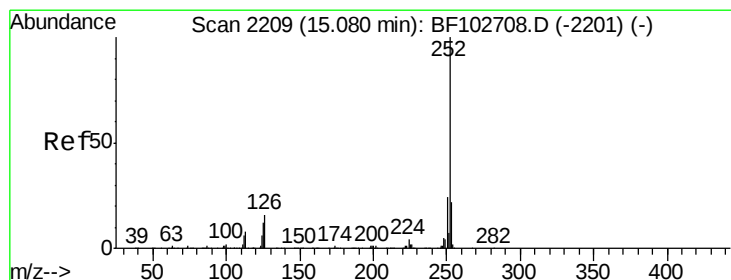
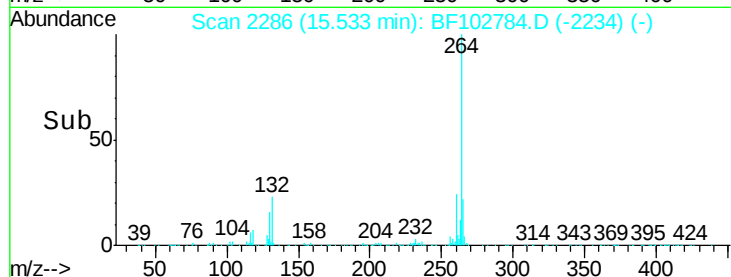
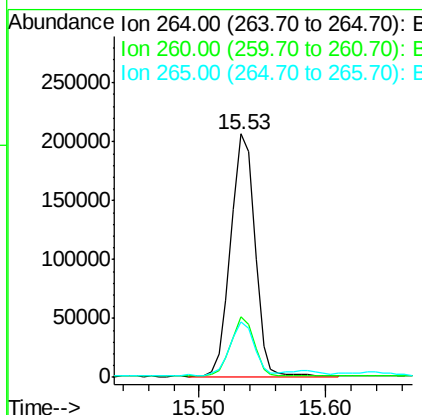
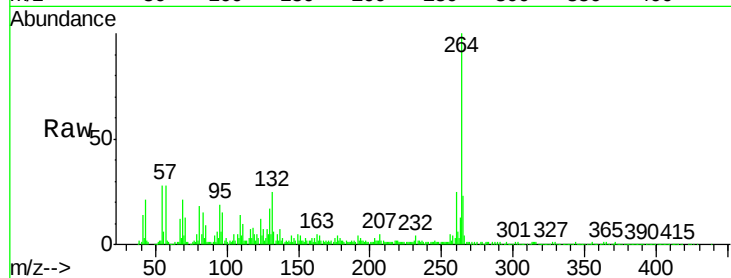
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.01 min
Lab File: BF102784.D
Acq: 6 Feb 2018 15:18

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-EW(2-4)DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.5	17.5	26.3

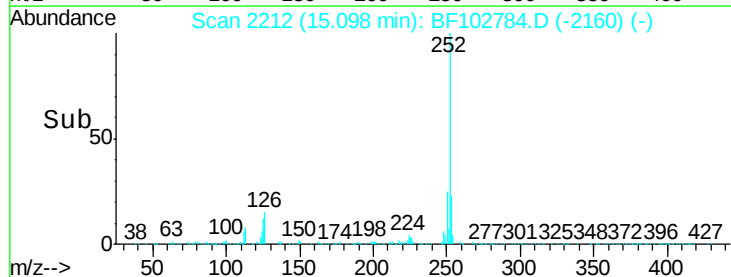
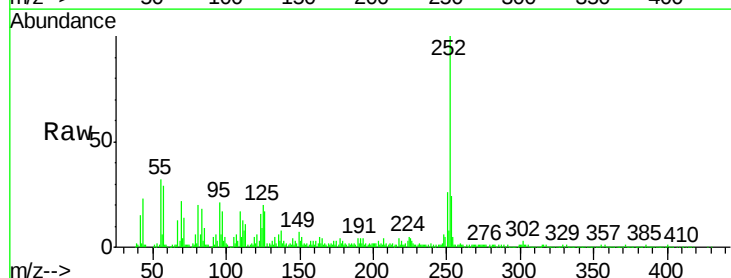
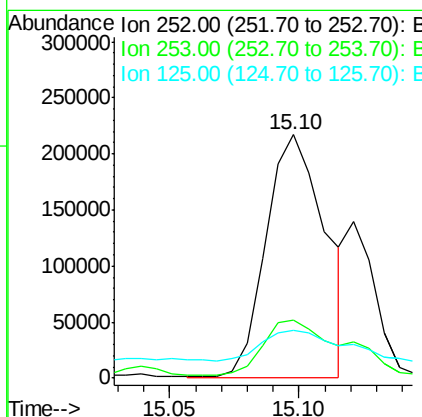
Manual Integrations
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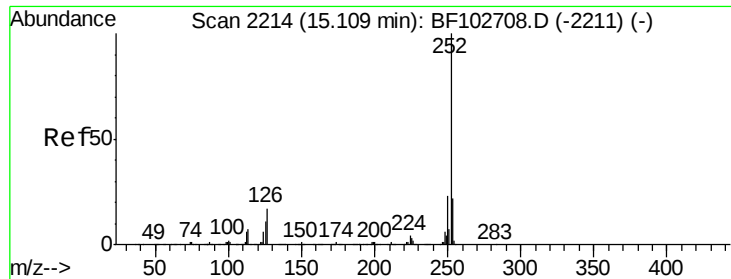
Sohil
2/7/2018 4:16:21 PM



#87
Benzo(b)fluoranthene
Concen: 19.583 ng m
RT: 15.10 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BF102784.D
Acq: 6 Feb 2018 15:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.0	25.6
125	19.5	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 6.422 ng m

RT: 15.12 min Scan# 2216

Delta R.T. -0.00 min

Lab File: BF102784.D

Acq: 6 Feb 2018 15:18

Instrument :

BNA_F

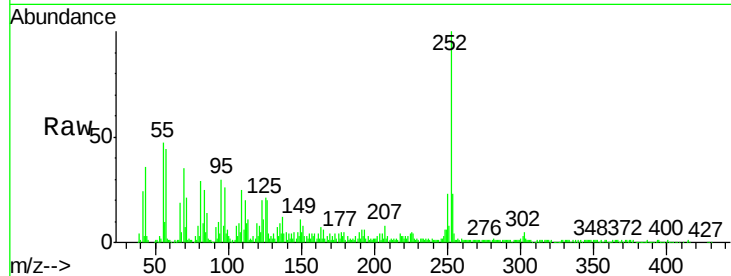
ClientSampleId :

8-SAN-10-EW(2-4)DL

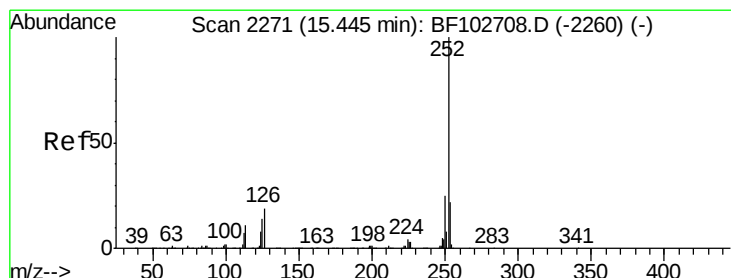
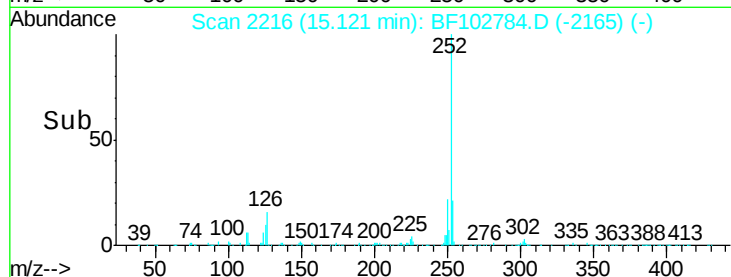
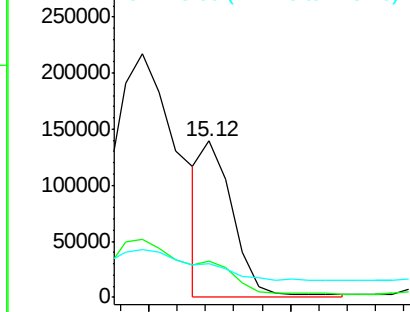
Tot Ion:	252	Resp:	109063
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.9	26.9
125	21.3	10.2	15.2#

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



#89

Benzo(a)pyrene

Concen: 13.421 ng

RT: 15.47 min Scan# 2275

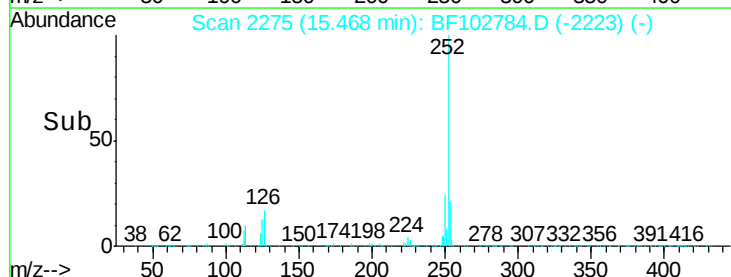
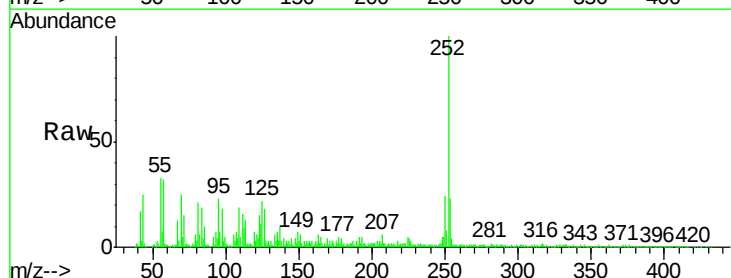
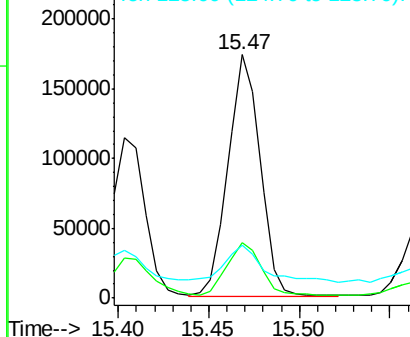
Delta R.T. 0.01 min

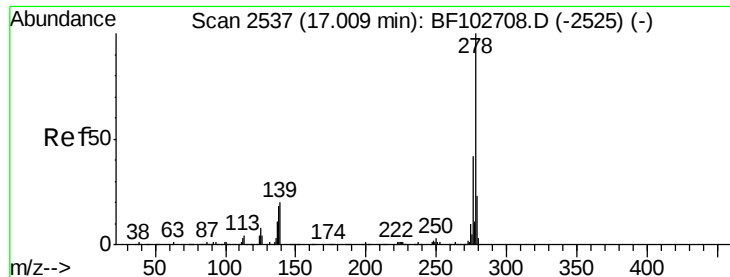
Lab File: BF102784.D

Acq: 6 Feb 2018 15:18

Tgt Ion:	252	Resp:	214714
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.1	25.7
125	21.6	9.8	14.6#

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





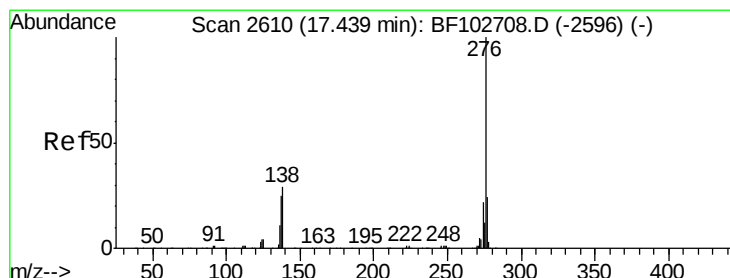
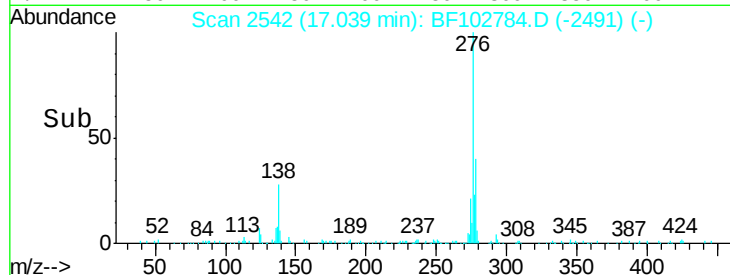
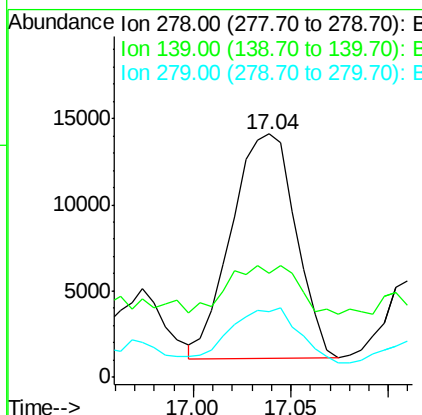
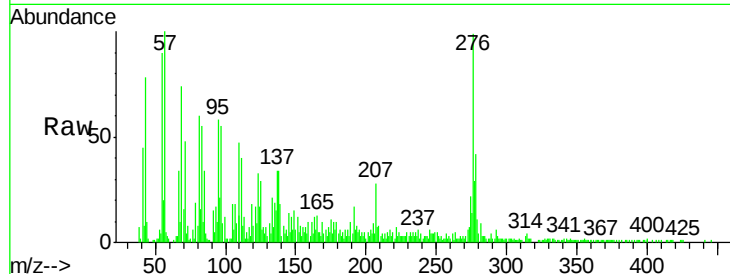
#90
Dibenzo(a,h)anthracene
Concen: 2.273 ng
RT: 17.04 min Scan# 2542
Delta R.T. 0.00 min
Lab File: BF102784.D
Acq: 6 Feb 2018 15:18

Instrument :
BNA_F
ClientSampleId :
8-SAN-10-EW(2-4)DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	42.6	15.9	23.9#
279	27.1	19.0	28.4

Manual Integrations
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2/7/2018 4:16:21 PM



#91
Benzo(g,h,i)perylene
Concen: 7.680 ng
RT: 17.48 min Scan# 2617
Delta R.T. 0.01 min
Lab File: BF102784.D
Acq: 6 Feb 2018 15:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	17.9	26.9
138	30.8	21.8	32.8

