

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013016\
 Data File : BF084696.D
 Acq On : 30 Jan 2016 21:16
 Operator : SJ/IZ
 Sample : H1295-01
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SW006

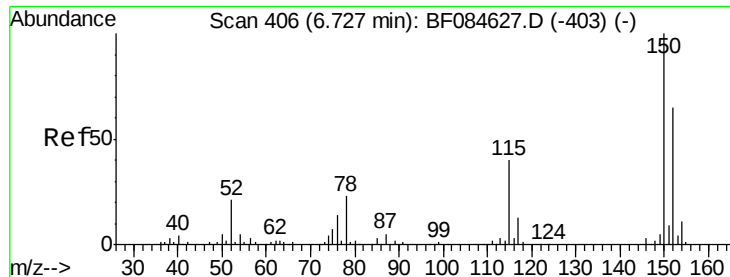
Manual Integrations
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 2/1/2016 2:27:14 PM

Quant Time: Feb 01 10:49:43 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 29 12:54:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	175016	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	624160	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	245769	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	412254	20.00	ng	0.00
75) Chrysene-d12	13.87	240	380391	20.00	ng	0.00
86) Perylene-d12	15.27	264	414111	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	934581	80.61	ng	0.01
7) Phenol-d6	6.37	99	1088781	78.35	ng	0.00
23) Nitrobenzene-d5	7.29	82	724307	64.85	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	222120	86.23	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	1112607	67.29	ng	0.00
78) Terphenyl-d14	12.83	244	729171	43.29	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.48	163	179372	9.72	ng	# 89
51) Acenaphthene	9.79	154	40059	2.40	ng	94
54) Dibenzofuran	9.96	168	45323	2.28	ng	98
57) Fluorene	10.30	166	44893	2.66	ng	95
70) Phenanthrene	11.26	178	544436	23.88	ng	99
71) Anthracene	11.31	178	116029	5.01	ng	98
72) Carbazole	11.47	167	44324	2.22	ng	99
74) Fluoranthene	12.45	202	559705	24.83	ng	93
77) Pyrene	12.68	202	494550	17.24	ng	98
80) Benzo(a)anthracene	13.86	228	290150	12.24	ng	99
82) Chrysene	13.89	228	206566m	8.84	ng	
85) Indeno(1,2,3-cd)pyrene	16.57	276	114477	5.54	ng	96
87) Benzo(b)fluoranthene	14.88	252	278860m	10.40	ng	
88) Benzo(k)fluoranthene	14.90	252	104737m	4.73	ng	
89) Benzo(a)pyrene	15.21	252	205555	8.86	ng	99
91) Benzo(g,h,i)perylene	16.97	276	103600	4.91	ng	95

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



#1

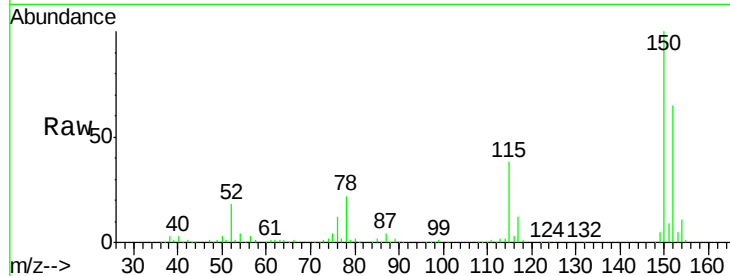
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 406
Delta R.T. -0.00 min
Lab File: BF084696.D
Acq: 30 Jan 2016 21:16

Instrument :
BNA_F
ClientSampleId :
SW006

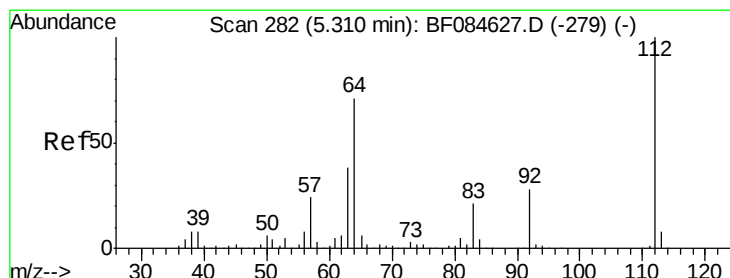
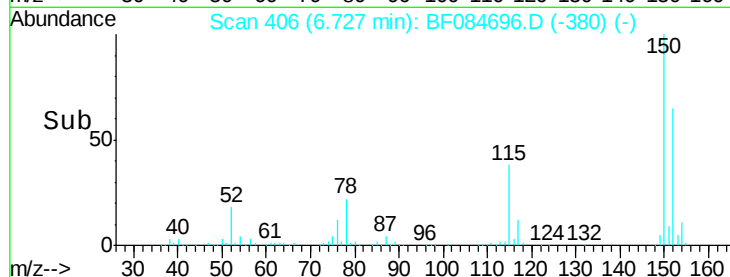
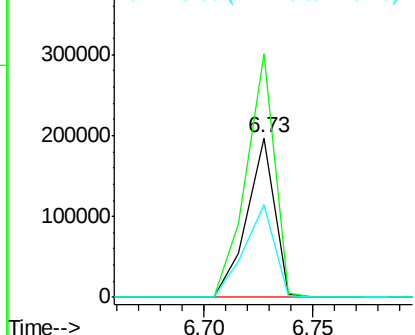
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.9	123.0	184.4
115	57.8	51.4	77.2

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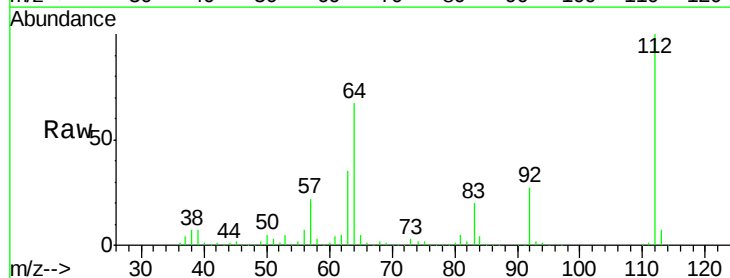
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



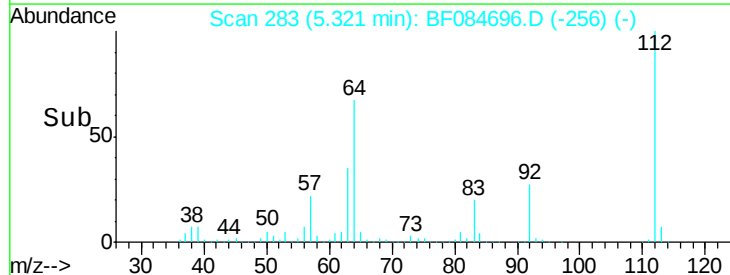
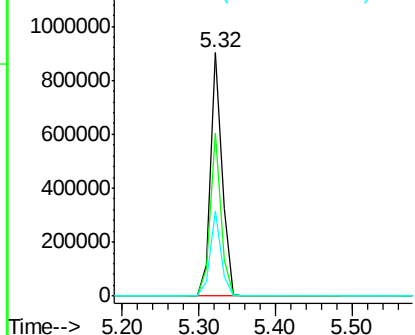
#5

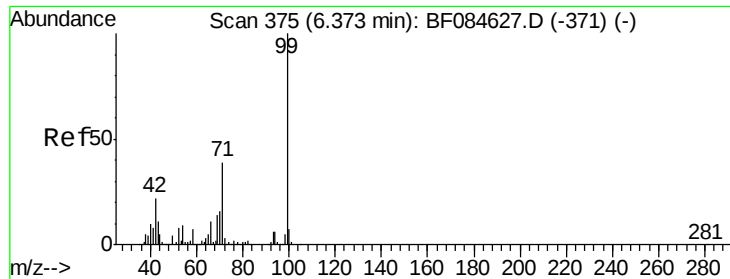
2-Fluorophenol
Concen: 80.61 ng
RT: 5.32 min Scan# 283
Delta R.T. 0.01 min
Lab File: BF084696.D
Acq: 30 Jan 2016 21:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.2	36.6	55.0#
63	34.7	19.4	29.0#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 78.35 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF084696.D

Acq: 30 Jan 2016 21:16

Instrument :

BNA_F

ClientSampled :

SW006

Tot Ion: 99 Resp: 1088781

Ion Ratio Lower Upper

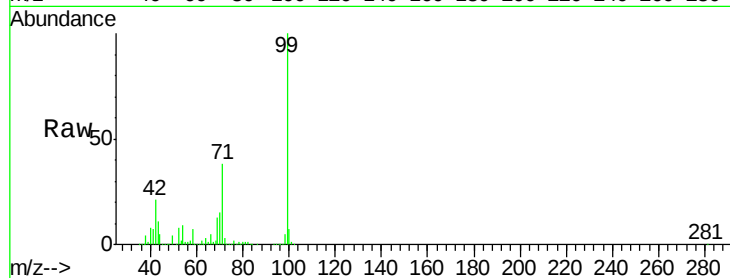
99 100

42 21.5 12.8 19.2#

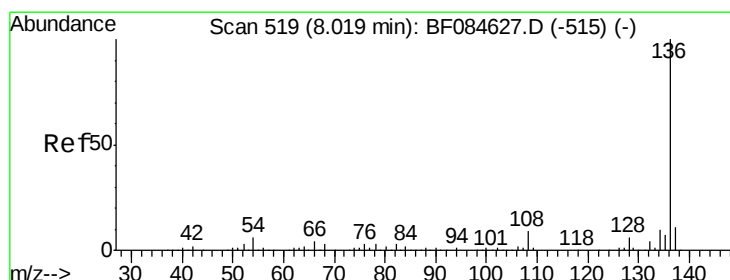
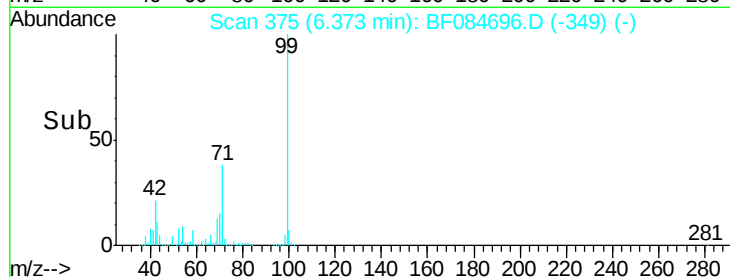
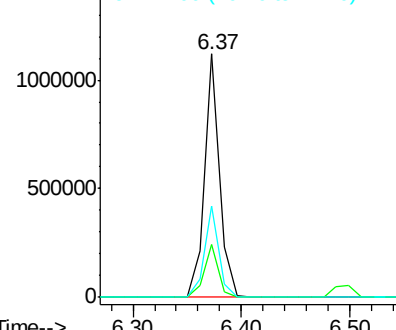
71 37.7 30.9 46.3

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.01 min

Lab File: BF084696.D

Acq: 30 Jan 2016 21:16

Tgt Ion: 136 Resp: 624160

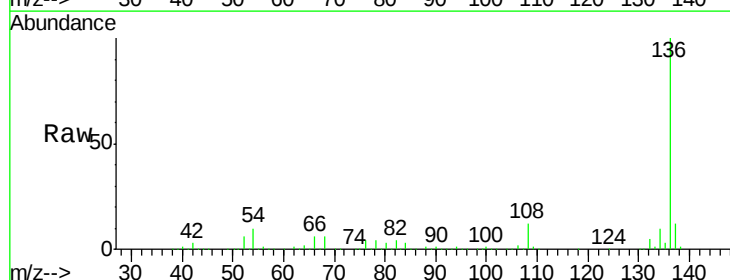
Ion Ratio Lower Upper

136 100

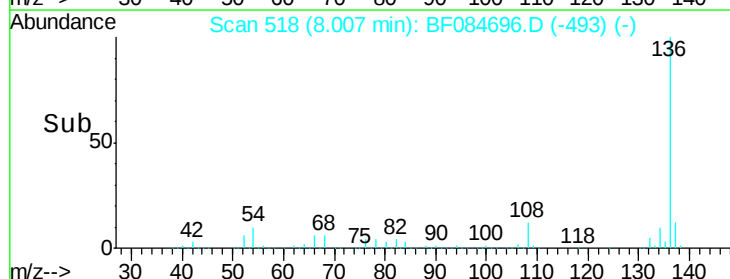
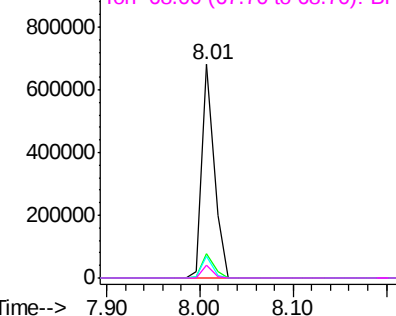
137 11.7 8.7 13.1

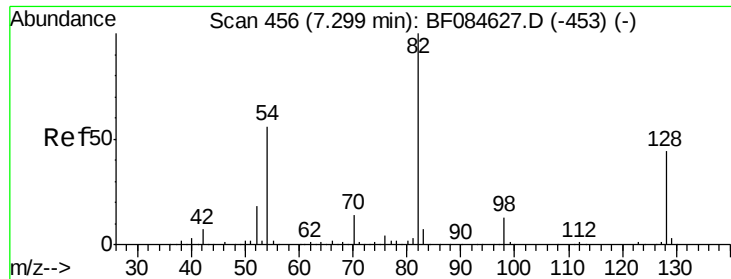
54 10.3 5.8 8.8#

68 5.9 4.2 6.2



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): BF0
Ion 68.00 (67.70 to 68.70): BF0





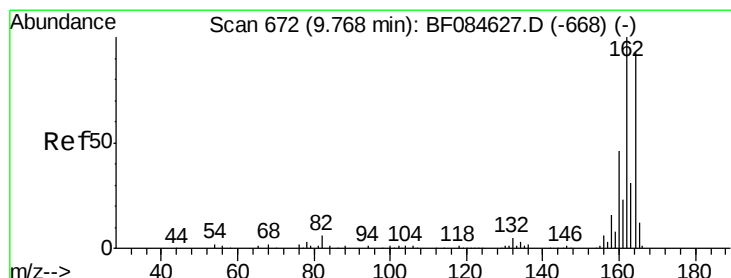
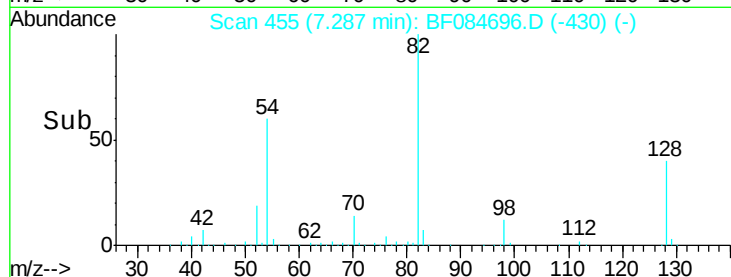
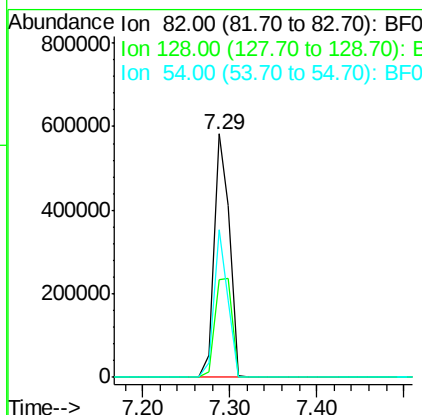
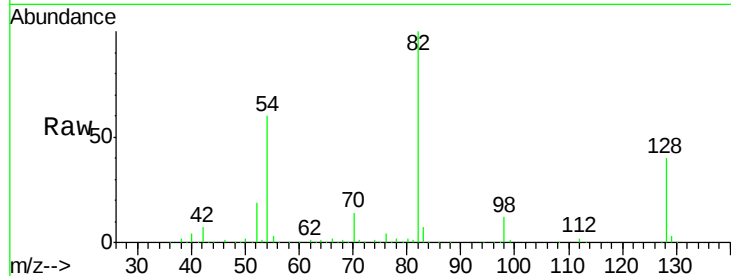
#23
Nitrobenzene-d5
Concen: 64.85 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.01 min
Lab File: BF084696.D
Acq: 30 Jan 2016 21:16

Instrument :
BNA_F
ClientSampleId :
SW006

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.1	34.6	51.8
54	60.4	38.4	57.6

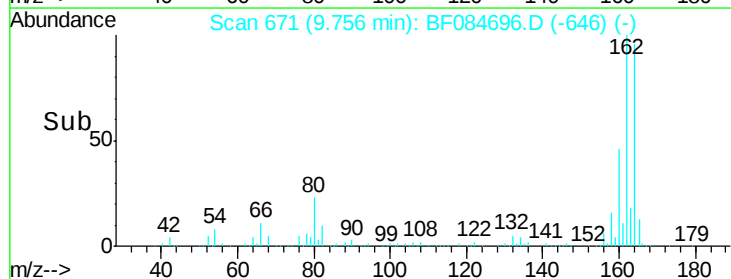
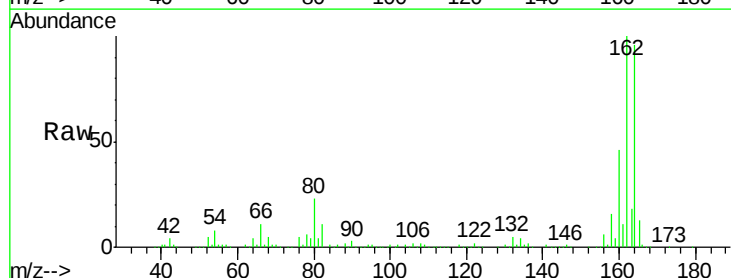
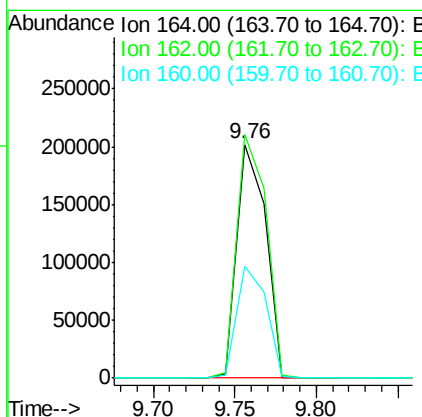
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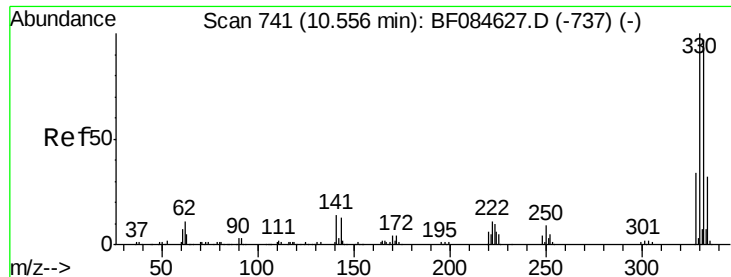
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.76 min Scan# 671
Delta R.T. -0.01 min
Lab File: BF084696.D
Acq: 30 Jan 2016 21:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.1	85.1	127.7
160	47.9	37.5	56.3





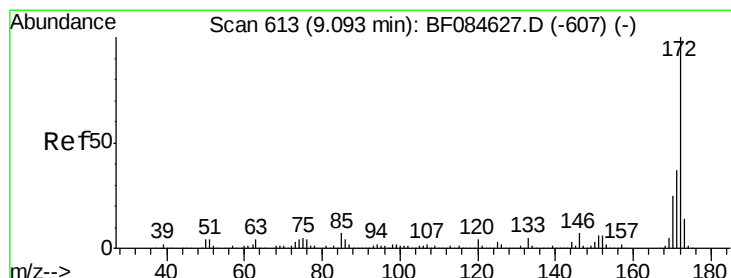
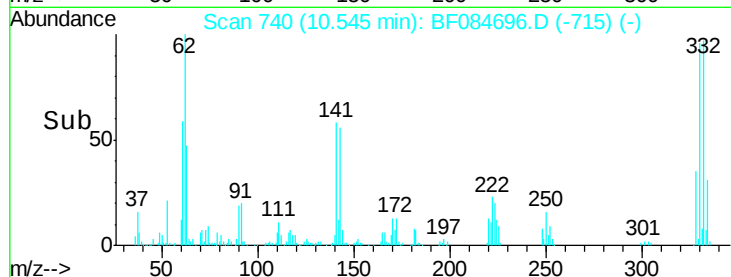
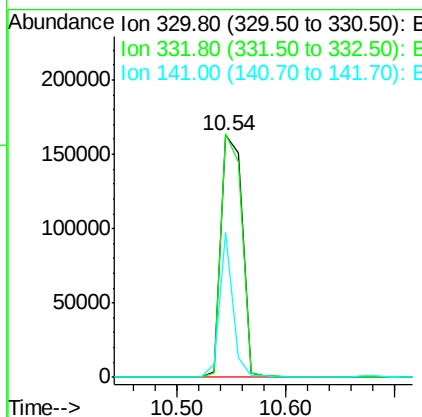
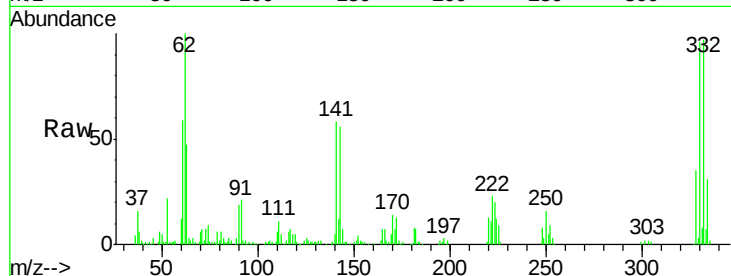
#41
 2,4,6-Tribromophenol
 Concen: 86.23 ng
 RT: 10.54 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF084696.D
 Acq: 30 Jan 2016 21:16

Instrument :
 BNA_F
 ClientSampleId :
 SW006

Tot Ion	Ratio	Resp	Lower	Upper
330	100	222120		
332	98.3	76.6	114.8	
141	38.1	27.8	41.6	

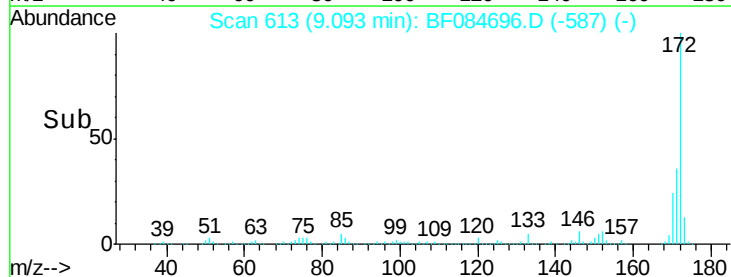
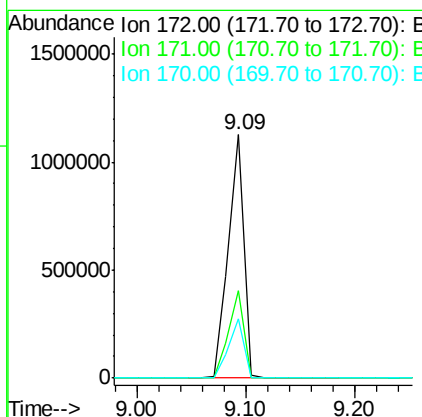
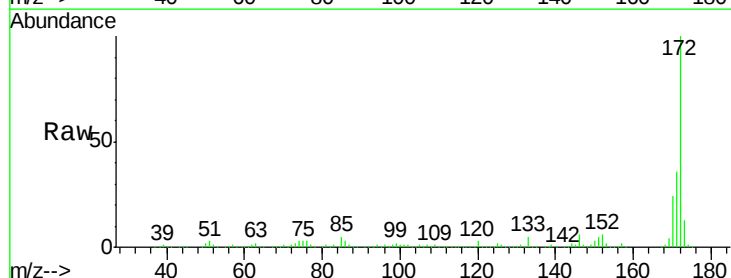
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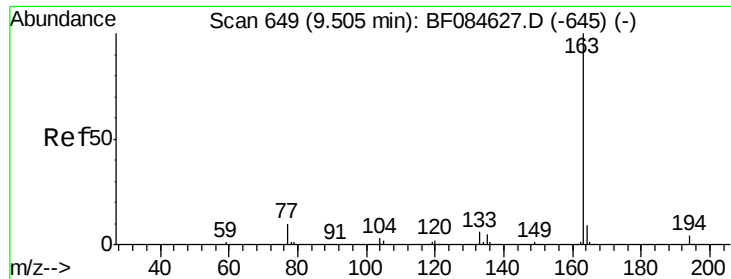
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#44
 2-Fluorobiphenyl
 Concen: 67.29 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF084696.D
 Acq: 30 Jan 2016 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1112607		
171	35.7	28.9	43.3	
170	24.2	18.6	27.8	





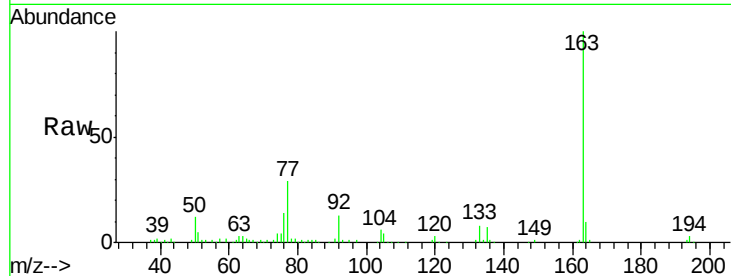
#49
Dimethylphthalate
Concen: 9.72 ng
RT: 9.48 min Scan# 647
Delta R.T. -0.02 min
Lab File: BF084696.D
Acq: 30 Jan 2016 21:16

Instrument :
BNA_F
ClientSampleId :
SW006

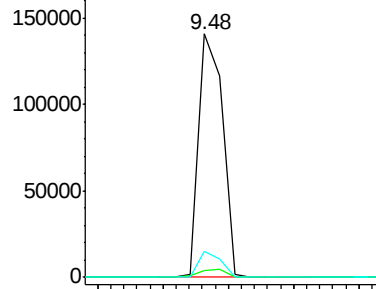
Tot Ion	Ratio	Resp	Lower	Upper
163	100	179372		
194	2.7	8.0	12.0	
164	10.5	8.0	12.0	

Manual Integrations
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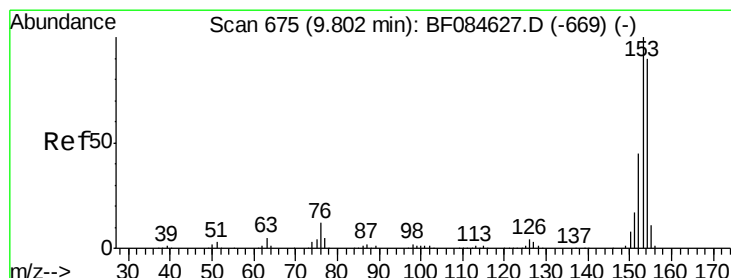
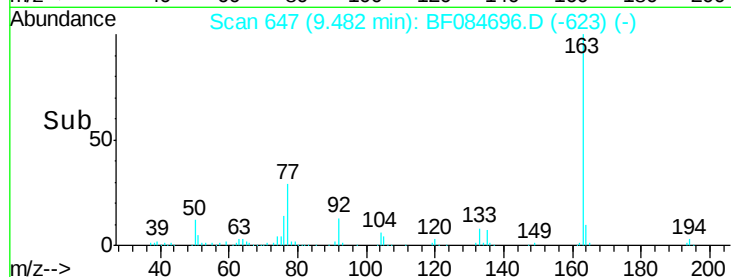
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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

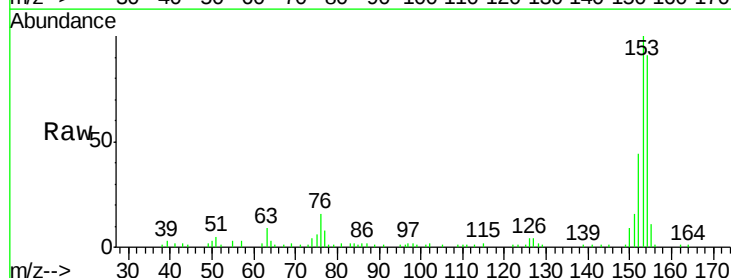


Time-->

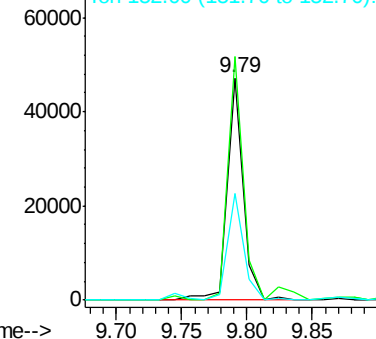


#51
Acenaphthene
Concen: 2.40 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF084696.D
Acq: 30 Jan 2016 21:16

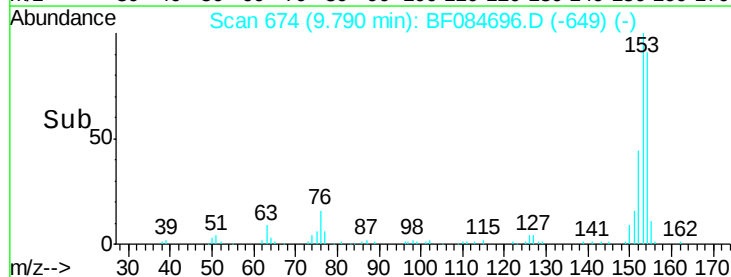
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	40059		
153	109.5	91.5	137.3	
152	48.0	43.0	64.6	

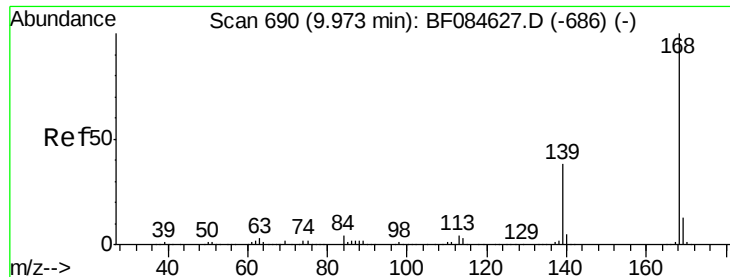


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



Time-->





#54

Dibenzofuran

Concen: 2.28 ng

RT: 9.96 min Scan# 689

Delta R.T. -0.01 min

Lab File: BF084696.D

Acq: 30 Jan 2016 21:16

Instrument :

BNA_F

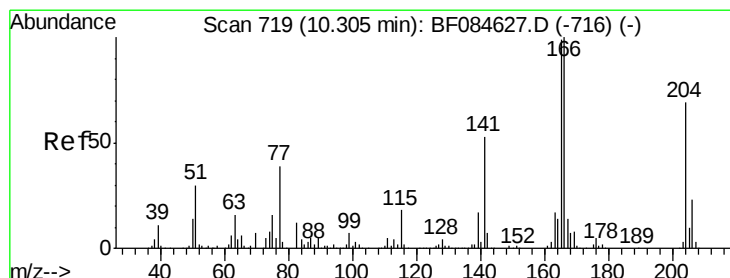
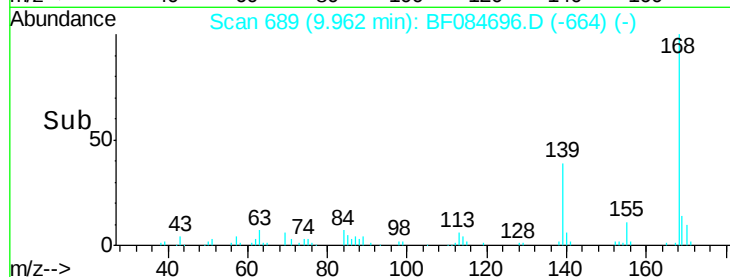
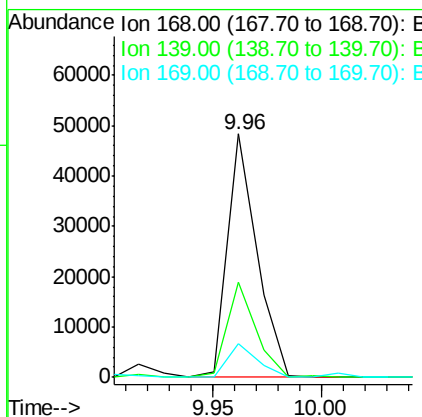
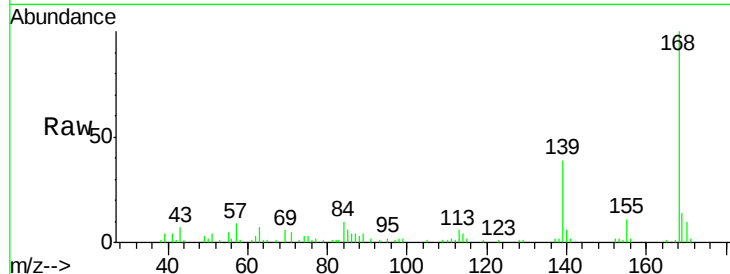
ClientSampleId :

SW006

Tot Ion:	168	Resp:	45323
Ion Ratio	Lower	Upper	
168	100		
139	38.9	30.5	45.7
169	14.0	10.4	15.6

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#57

Fluorene

Concen: 2.66 ng

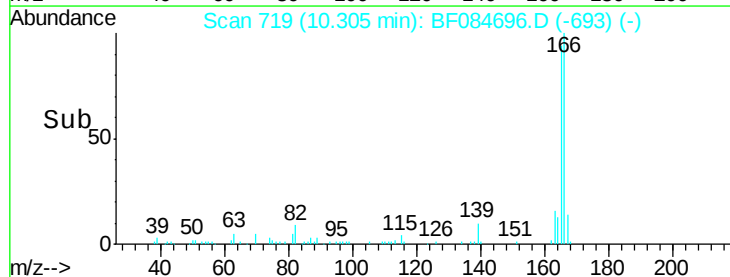
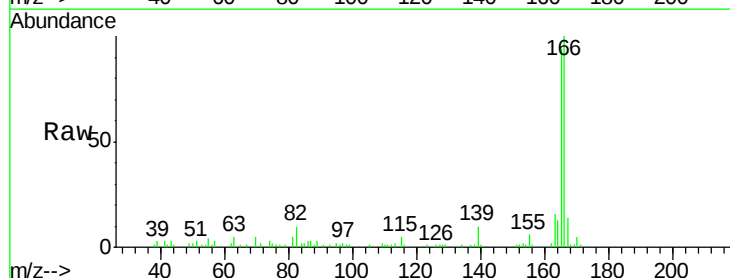
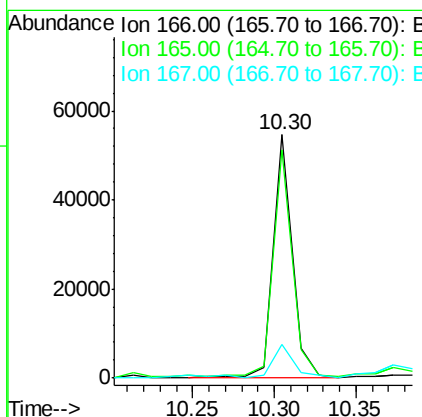
RT: 10.30 min Scan# 719

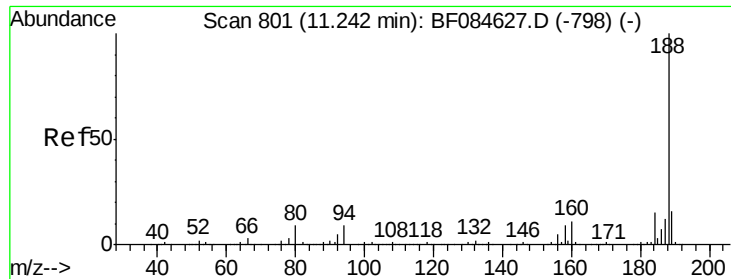
Delta R.T. -0.00 min

Lab File: BF084696.D

Acq: 30 Jan 2016 21:16

Tgt Ion:	166	Resp:	44893
Ion Ratio	Lower	Upper	
166	100		
165	93.9	79.1	118.7
167	13.7	10.4	15.6





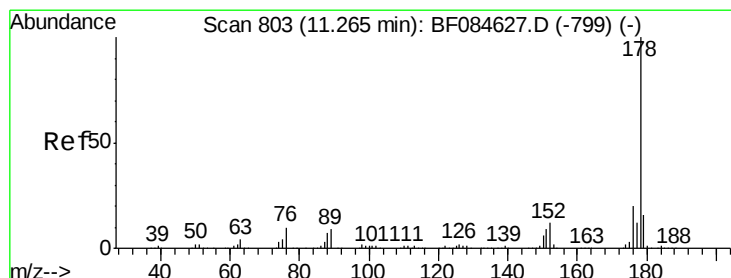
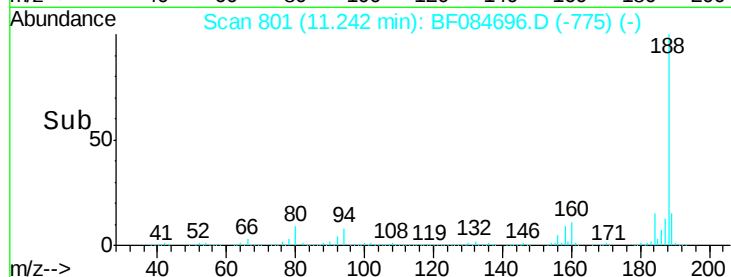
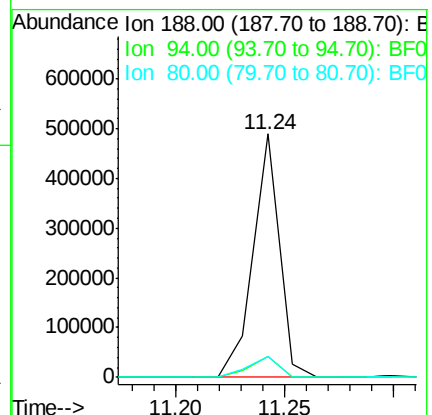
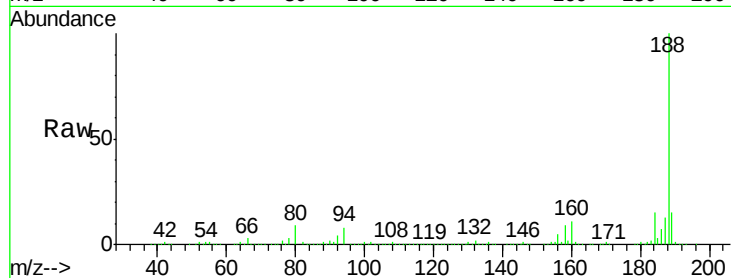
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF084696.D
Acq: 30 Jan 2016 21:16

Instrument :
BNA_F
ClientSampleId :
SW006

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.3	9.0	13.4#
80	8.5	9.6	14.4#

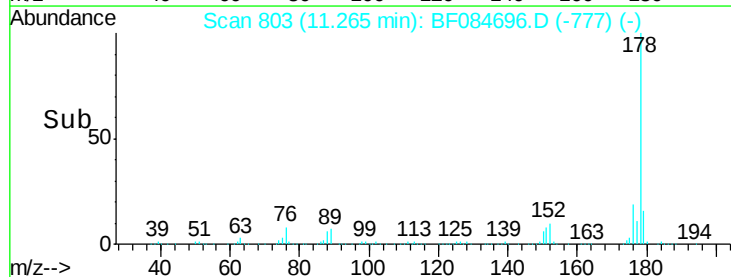
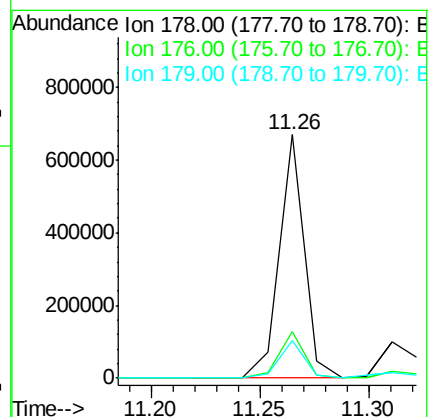
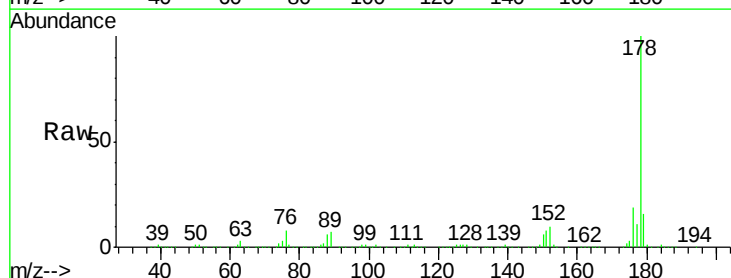
Manual Integrations
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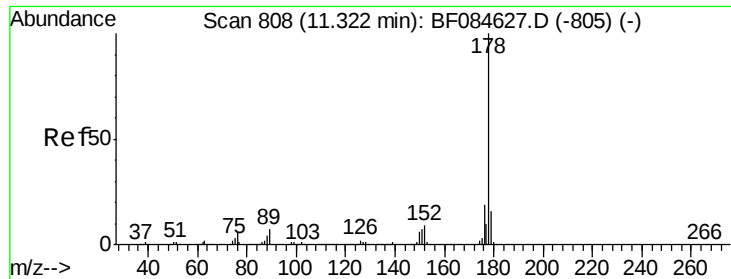
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#70
Phenanthrene
Concen: 23.88 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF084696.D
Acq: 30 Jan 2016 21:16

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.7	12.0	18.0





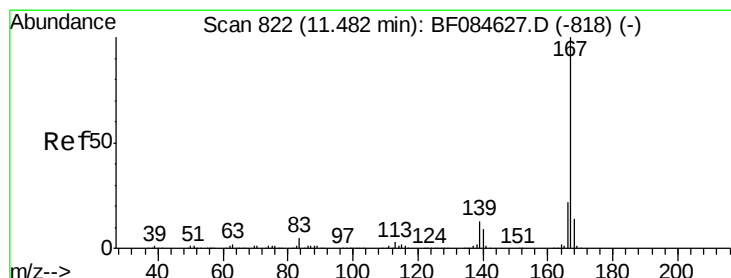
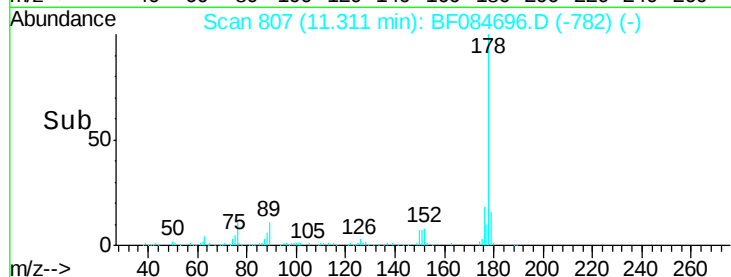
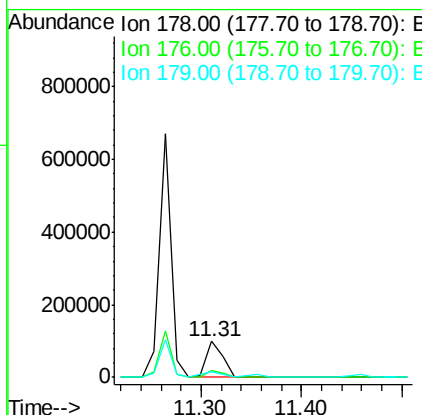
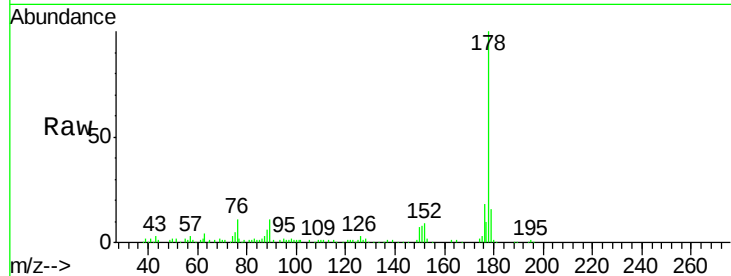
#71
 Anthracene
 Concen: 5.01 ng
 RT: 11.31 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF084696.D
 Acq: 30 Jan 2016 21:16

Instrument :
 BNA_F
 ClientSampleId :
 SW006

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.0
179	16.2	12.5	18.7

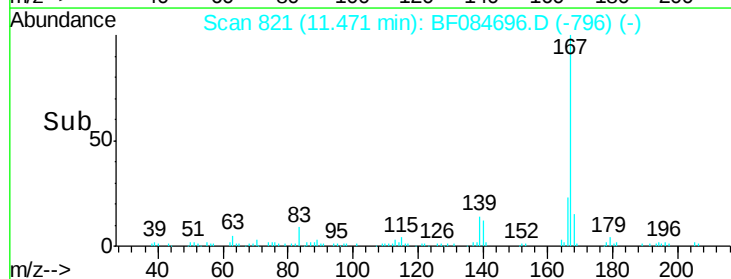
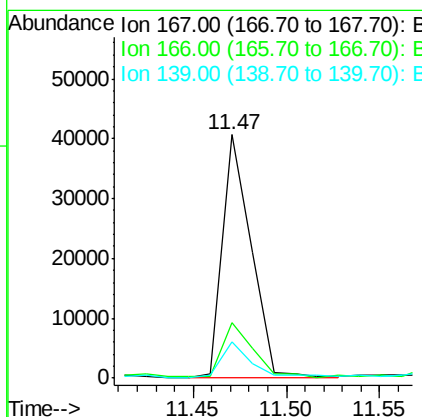
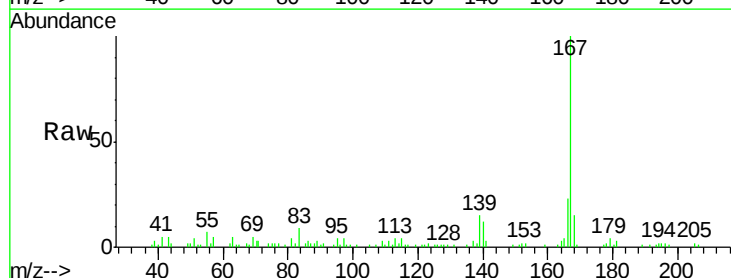
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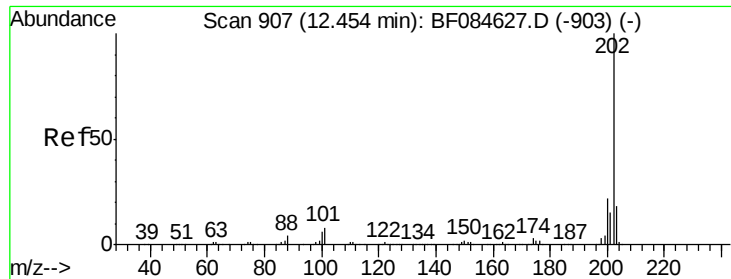
mohammad
 2/1/2016 2:27:14 PM



#72
 Carbazole
 Concen: 2.22 ng
 RT: 11.47 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BF084696.D
 Acq: 30 Jan 2016 21:16

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.6	26.4
139	14.9	11.8	17.8





#74

Fluoranthene

Concen: 24.83 ng

RT: 12.45 min Scan# 907

Delta R.T. -0.00 min

Lab File: BF084696.D

Acq: 30 Jan 2016 21:16

Instrument :

BNA_F

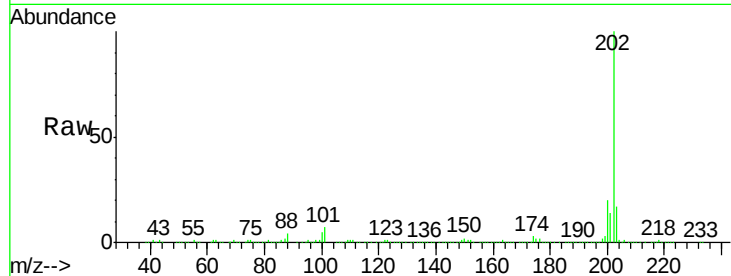
ClientSampleId :

SW006

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	7.2	0.0	32.8
203	17.0	0.0	37.9

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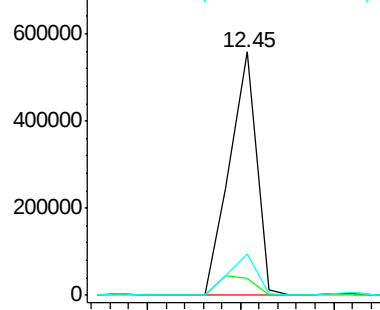
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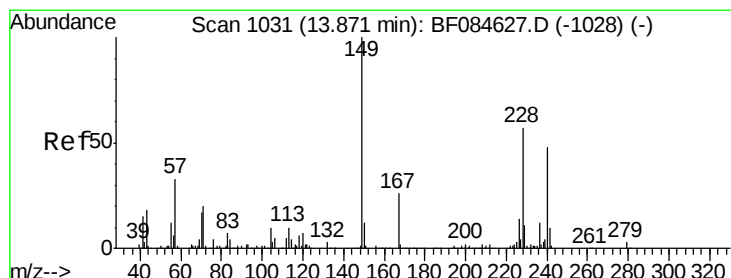
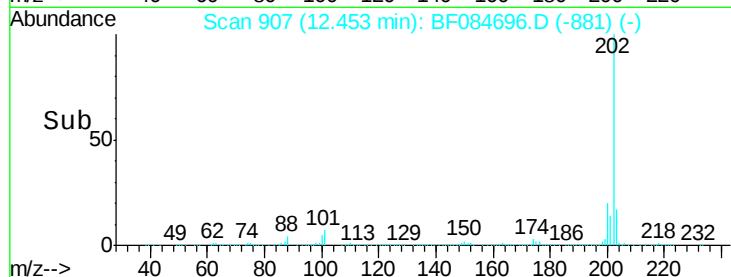
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BF084696.D

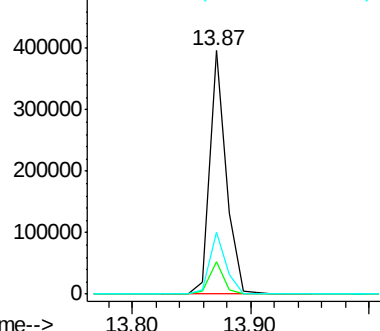
Acq: 30 Jan 2016 21:16

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.2	9.5	14.3
236	25.3	20.6	31.0

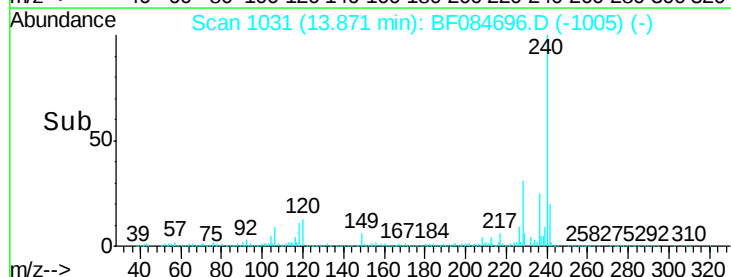
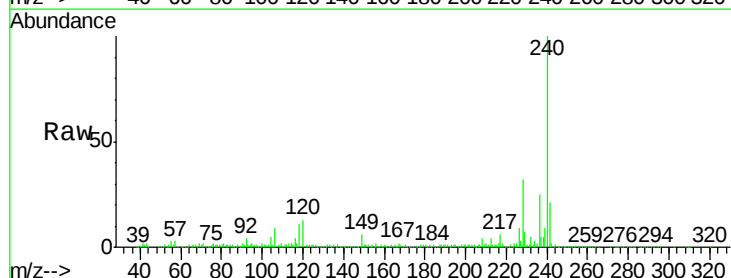
Abundance Ion 240.00 (239.70 to 240.70): E

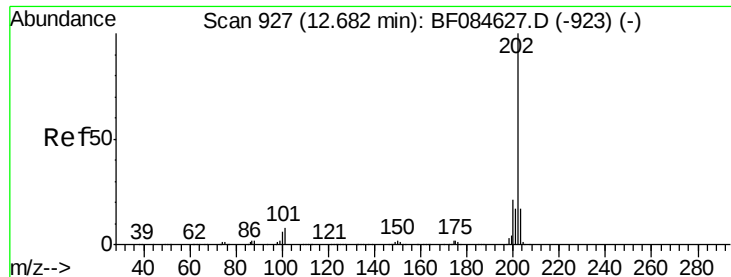
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Pvrene

Concen: 17.24 ng

RT: 12.68 min Scan# 927

Delta R.T. -0.00 min

Lab File: BF084696.D

Acq: 30 Jan 2016 21:16

Instrument :

BNA_F

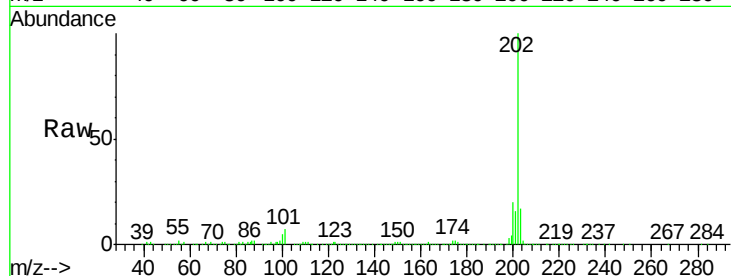
ClientSampleId :

SW006

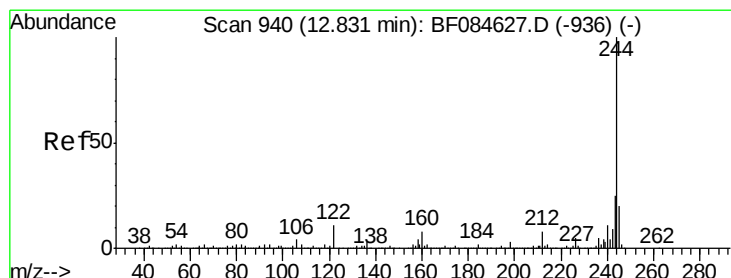
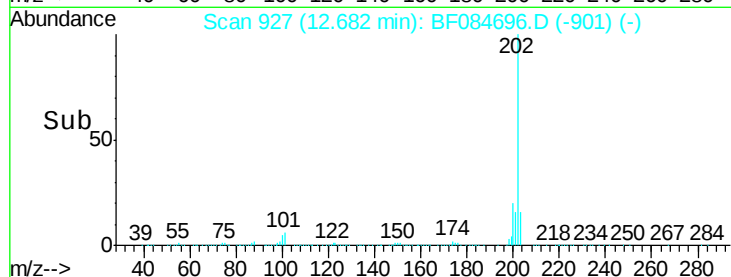
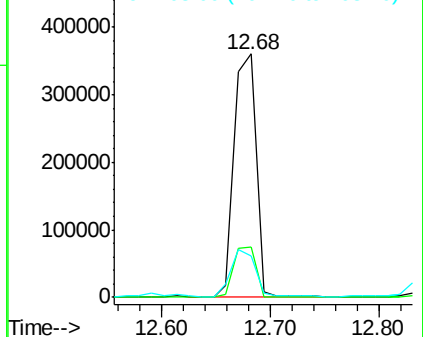
Tot Ion:	202	Resp:	494550
Ion Ratio		Lower	Upper
202	100		
200	20.5	17.2	25.8
203	17.0	14.3	21.5

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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: 43.29 ng

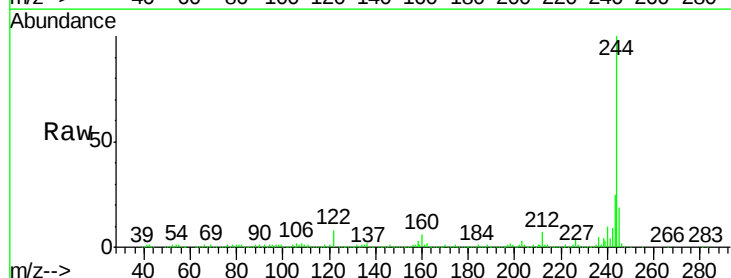
RT: 12.83 min Scan# 940

Delta R.T. -0.00 min

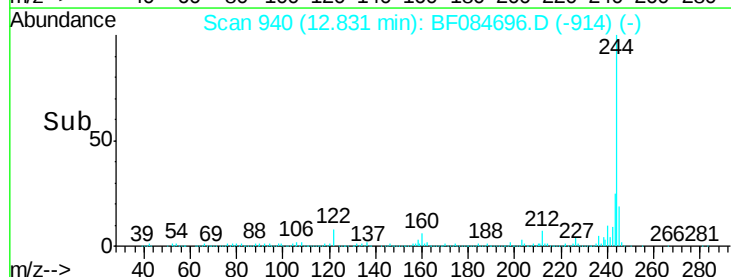
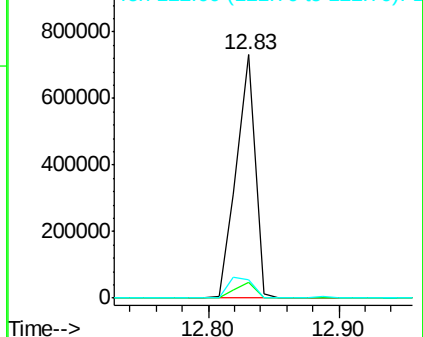
Lab File: BF084696.D

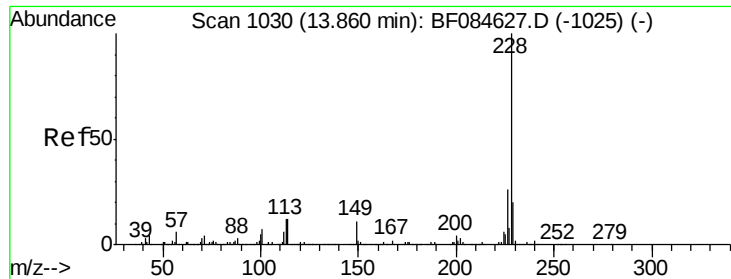
Acq: 30 Jan 2016 21:16

Tgt Ion:	244	Resp:	729171
Ion Ratio		Lower	Upper
244	100		
212	6.7	5.7	8.5
122	7.6	7.4	11.0



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





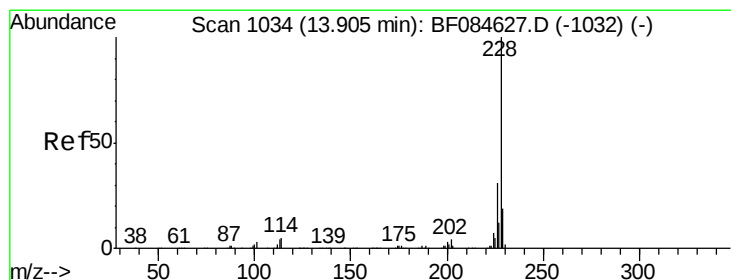
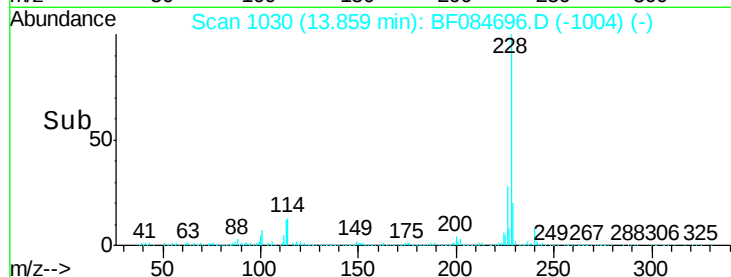
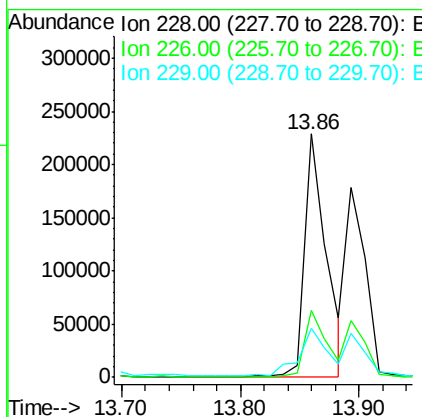
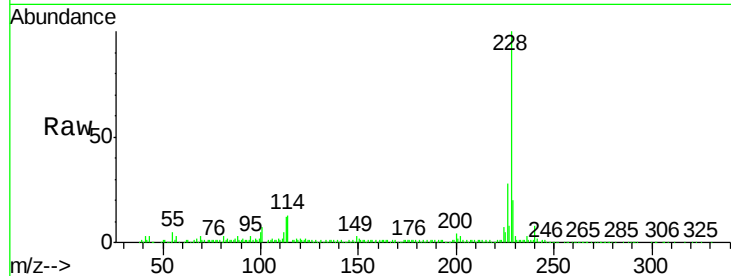
#80
Benzo(a)anthracene
Concen: 12.24 ng
RT: 13.86 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BF084696.D
Acq: 30 Jan 2016 21:16

Instrument :
BNA_F
ClientSampleId :
SW006

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.8	32.6
229	20.1	15.8	23.8

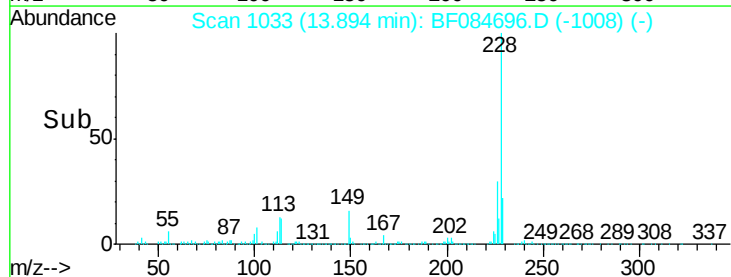
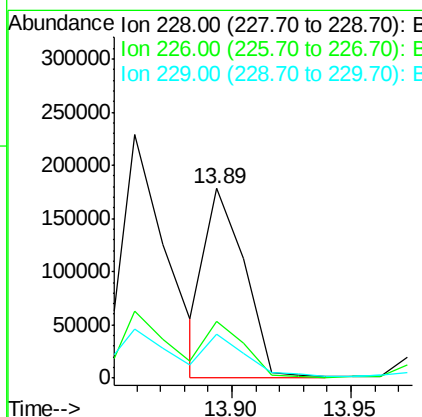
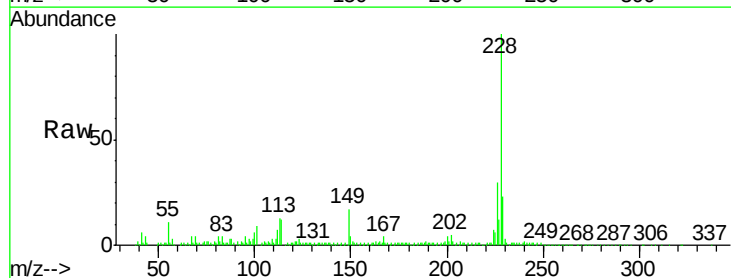
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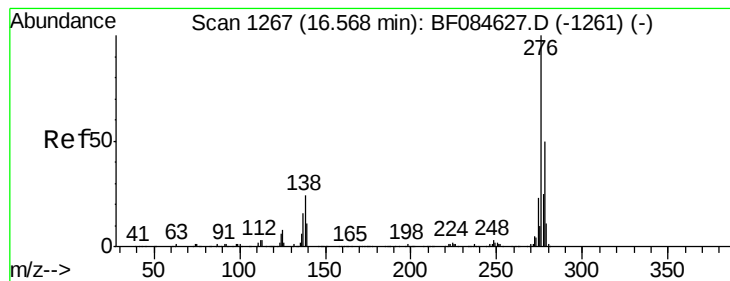
mohammad
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#82
Chrysene
Concen: 8.84 ng m
RT: 13.89 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF084696.D
Acq: 30 Jan 2016 21:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.3	36.5
229	22.9	16.1	24.1





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.54 ng

RT: 16.57 min Scan# 1267

Delta R.T. -0.00 min

Lab File: BF084696.D

Acq: 30 Jan 2016 21:16

Instrument :

BNA_F

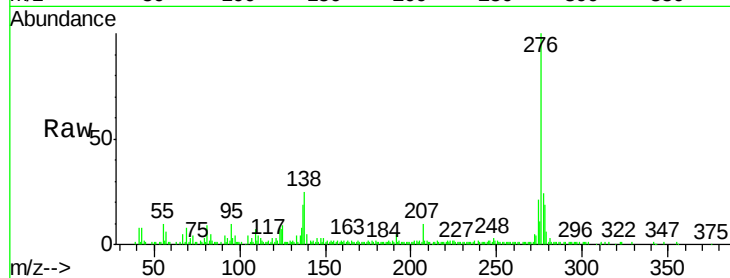
ClientSampleId :

SW006

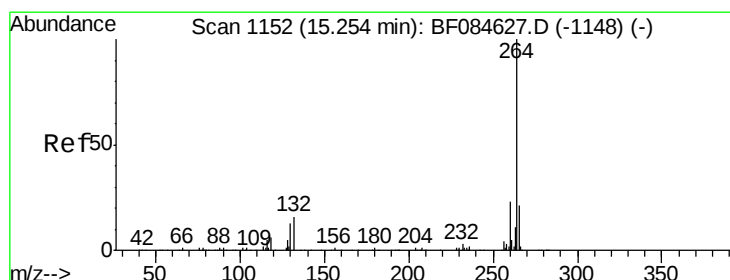
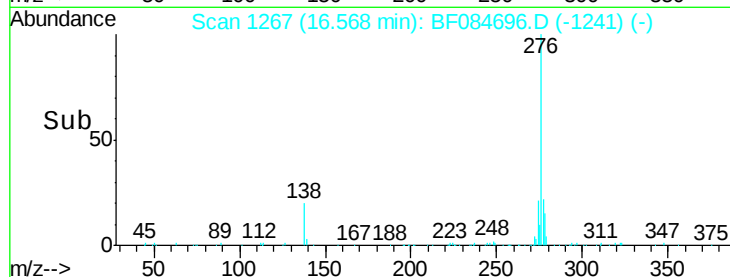
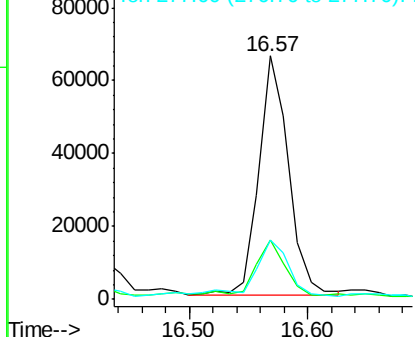
Tot Ion:	276	Resp:	114477
Ion Ratio	Lower	Upper	
276	100		
138	25.0	20.6	30.8
277	28.2	20.1	30.1

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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: 20.00 ng

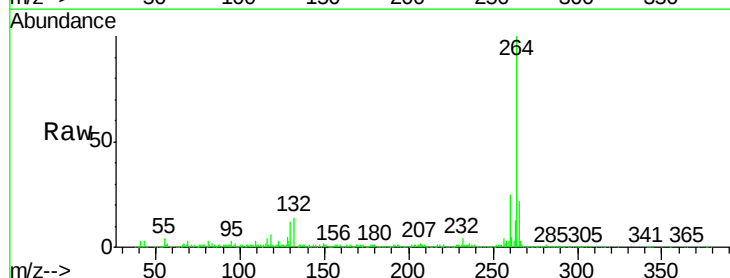
RT: 15.27 min Scan# 1153

Delta R.T. 0.01 min

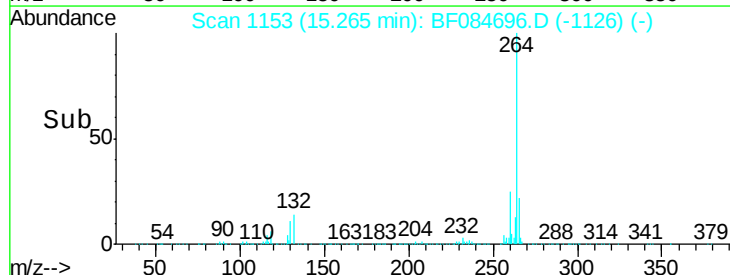
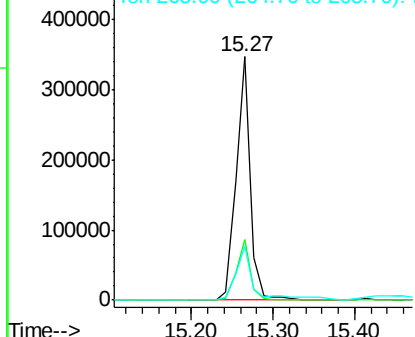
Lab File: BF084696.D

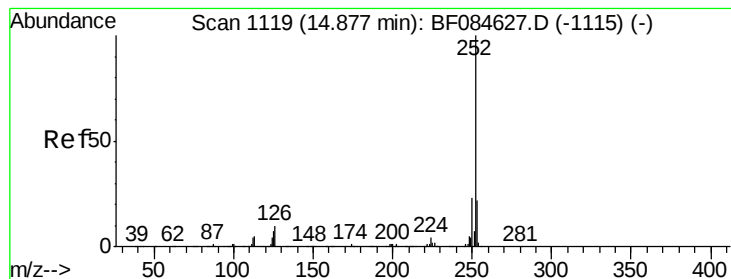
Acq: 30 Jan 2016 21:16

Tgt Ion:	264	Resp:	414111
Ion Ratio	Lower	Upper	
264	100		
260	24.9	19.4	29.2
265	22.5	17.8	26.6



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: 10.40 ng m

RT: 14.88 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BF084696.D

Acq: 30 Jan 2016 21:16

Instrument :

BNA_F

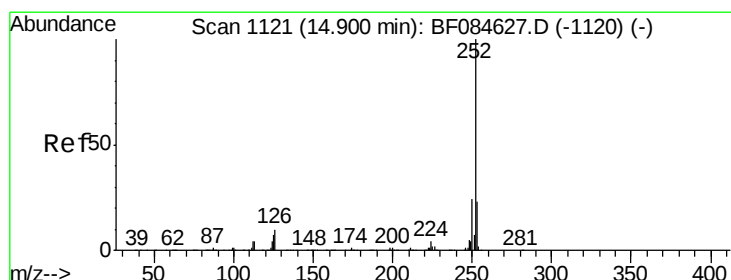
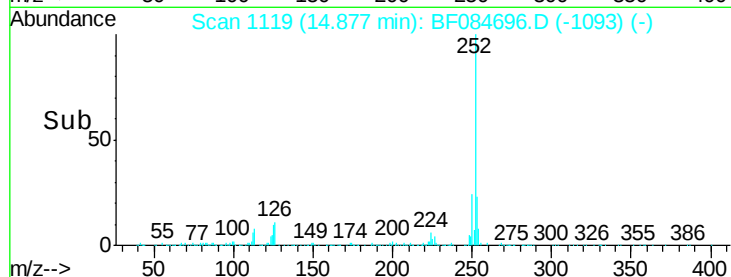
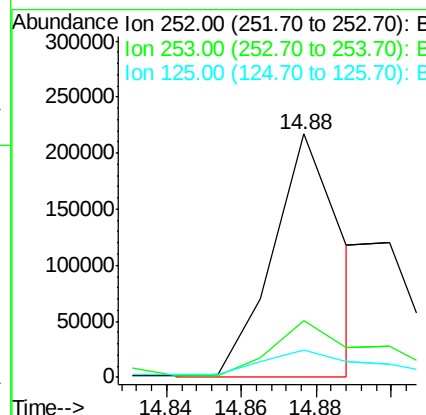
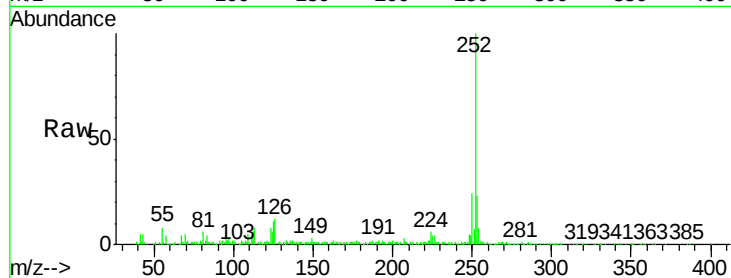
ClientSampled :

SW006

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.3	25.9
125	11.4	6.5	9.7

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#88

Benzo(k)fluoranthene

Concen: 4.73 ng m

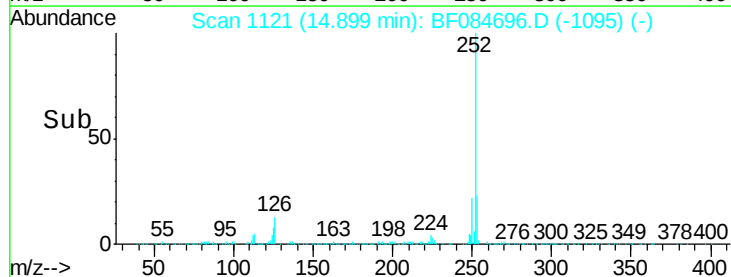
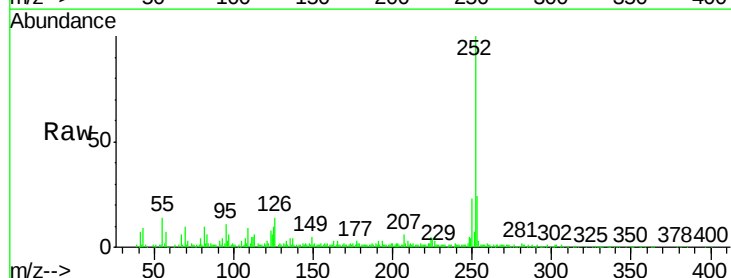
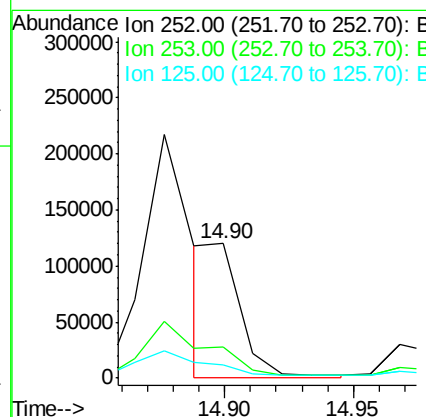
RT: 14.90 min Scan# 1121

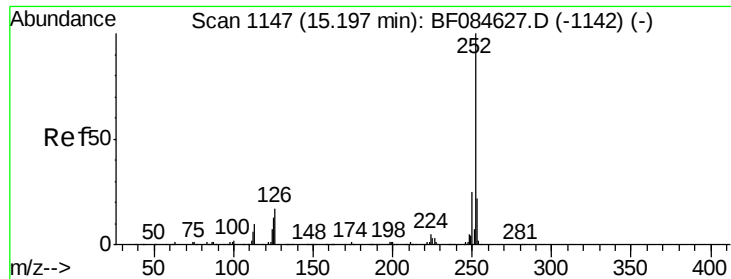
Delta R.T. -0.00 min

Lab File: BF084696.D

Acq: 30 Jan 2016 21:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	10.1	9.0	13.6





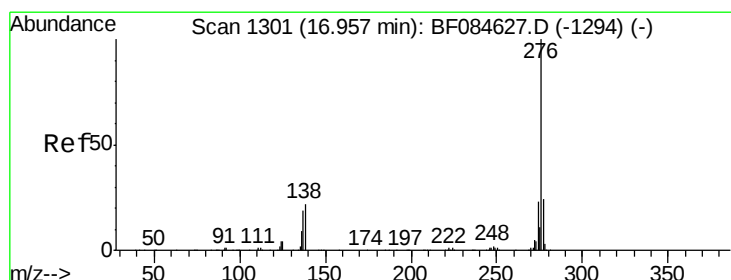
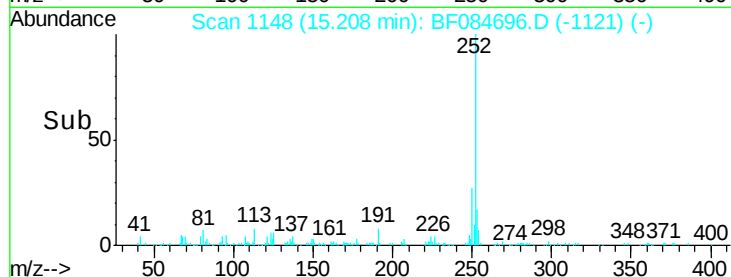
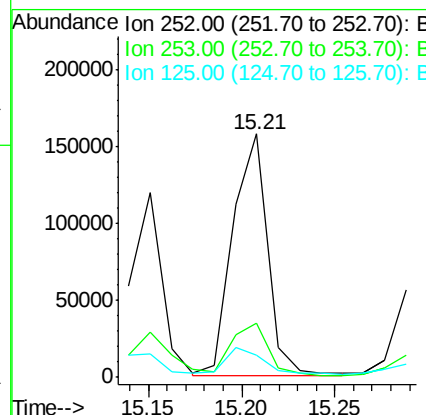
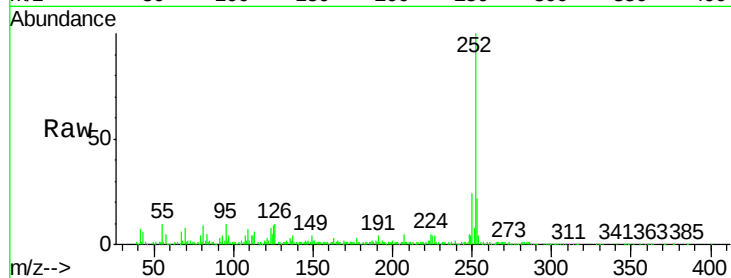
#89
Benzo(a)pyrene
Concen: 8.86 ng
RT: 15.21 min Scan# 1148
Delta R.T. 0.01 min
Lab File: BF084696.D
Acq: 30 Jan 2016 21:16

Instrument :
BNA_F
ClientSampleId :
SW006

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.3	25.9
125	9.0	7.0	10.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.91 ng
RT: 16.97 min Scan# 1302
Delta R.T. 0.01 min
Lab File: BF084696.D
Acq: 30 Jan 2016 21:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.8	28.2
138	18.8	17.8	26.6

