

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013016\
 Data File : BF084668.D
 Acq On : 30 Jan 2016 6:59
 Operator : SJ/IZ
 Sample : H1272-09
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B013(20-23)

Manual Integrations
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Quant Time: Feb 01 00:54:48 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	171169	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	728758	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	328714	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	634442	20.00	ng	0.00
75) Chrysene-d12	13.87	240	477240	20.00	ng	0.00
86) Perylene-d12	15.25	264	346214	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1098064	96.84	ng	0.01
7) Phenol-d6	6.37	99	1598147	117.59	ng	0.00
23) Nitrobenzene-d5	7.29	82	809437	62.07	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	346558	100.59	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	1417454	64.09	ng	0.00
78) Terphenyl-d14	12.83	244	1201022	56.84	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.03	128	360433	9.80	ng	98
37) 2-Methylnaphthalene	8.72	142	56986	2.52	ng	97
49) Dimethylphthalate	9.48	163	215840	8.75	ng	# 90
51) Acenaphthene	9.79	154	102409	4.59	ng	99
54) Dibenzofuran	9.96	168	128565	4.83	ng	98
57) Fluorene	10.30	166	136787	6.06	ng	98
70) Phenanthrene	11.26	178	983121	28.02	ng	99
71) Anthracene	11.31	178	267168	7.49	ng	99
72) Carbazole	11.47	167	121936	3.97	ng	98
74) Fluoranthene	12.44	202	703789	20.29	ng	99
77) Pyrene	12.67	202	587405	16.32	ng	99
80) Benzo(a)anthracene	13.86	228	235444m	7.91	ng	
82) Chrysene	13.89	228	215703m	7.36	ng	
87) Benzo(b)fluoranthene	14.87	252	167351m	7.46	ng	
88) Benzo(k)fluoranthene	14.88	252	76267m	4.12	ng	
89) Benzo(a)pyrene	15.20	252	125813	6.49	ng	99
91) Benzo(a,h,i)perylene	16.95	276	71475	4.05	ng	99

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

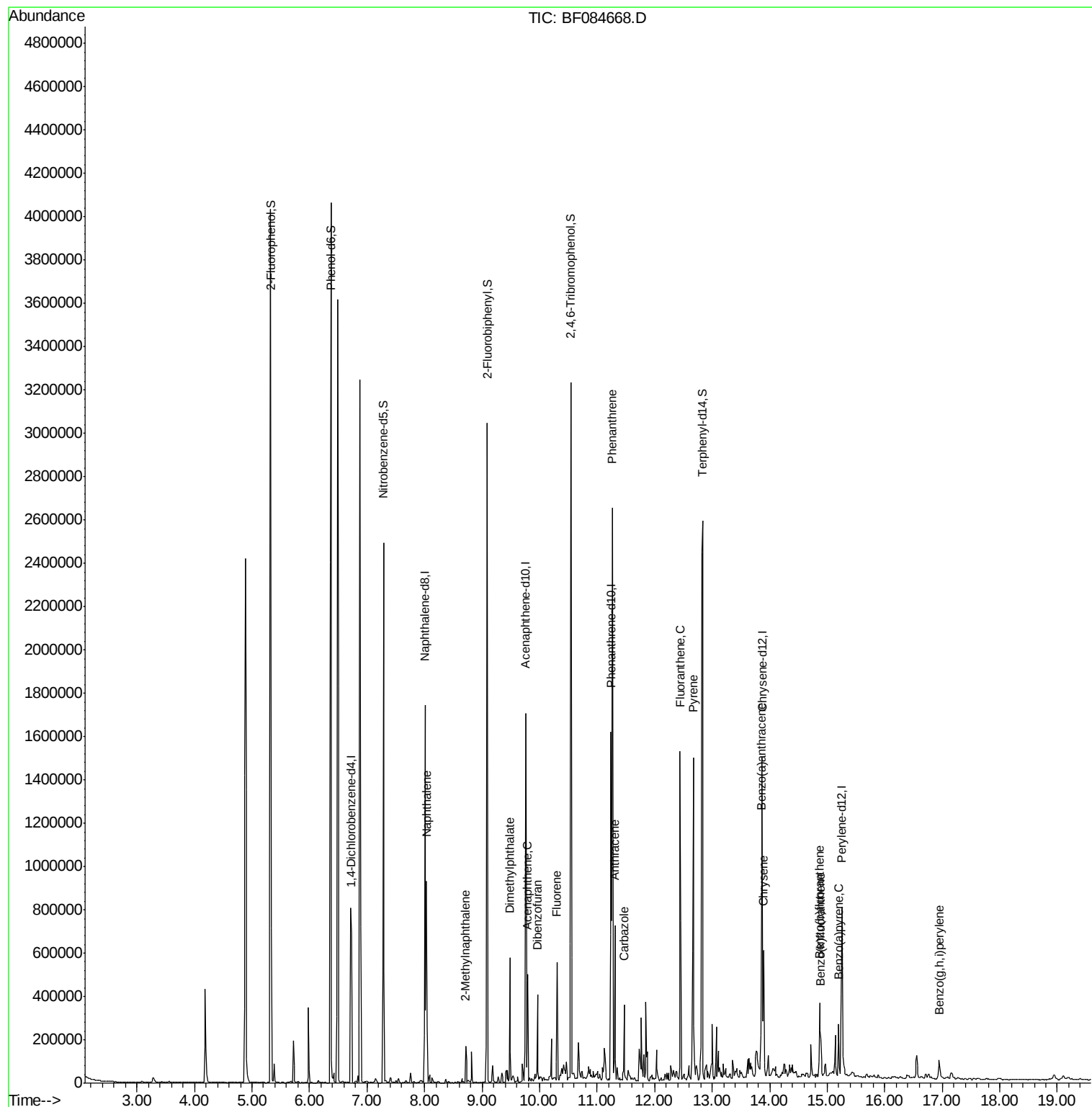
Data Path : Z:\HPCHEM1\BNA F\DATA\BF013016\
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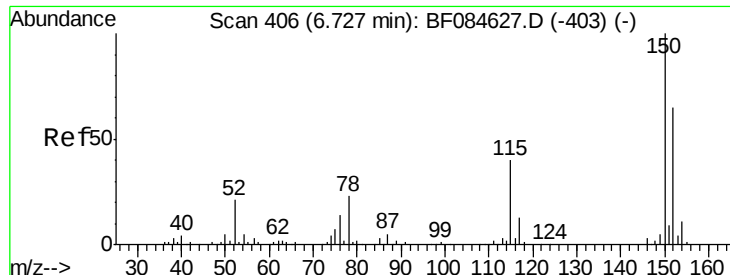
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

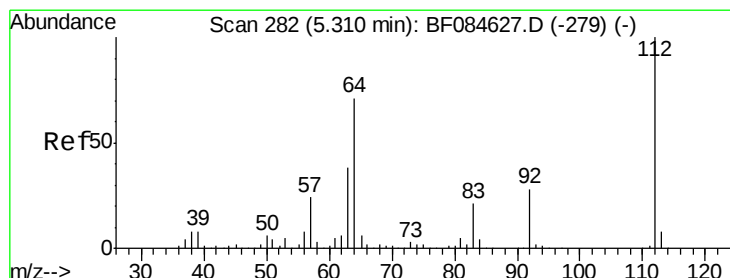
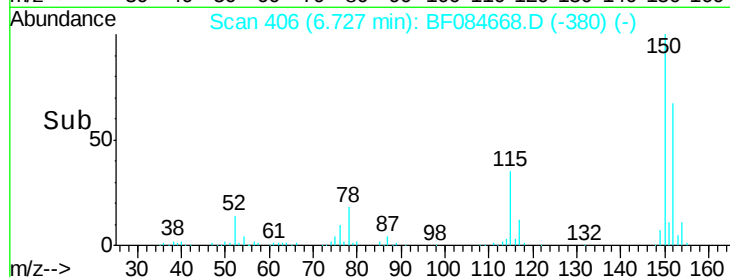
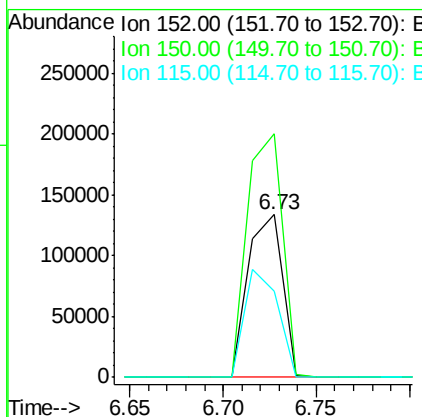
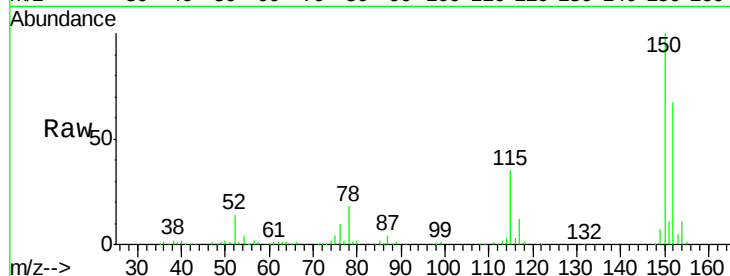
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 406
Delta R.T. -0.00 min
Lab File: BF084668.D
Acq: 30 Jan 2016 6:59

Instrument :
BNA_F
ClientSampleId :
SUP-B013(20-23)

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.5	123.0	184.4
115	52.6	51.4	77.2

Manual Integrations
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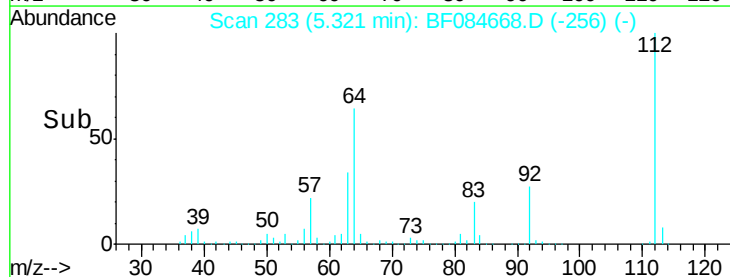
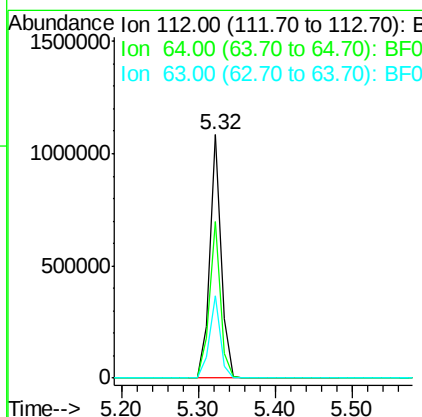
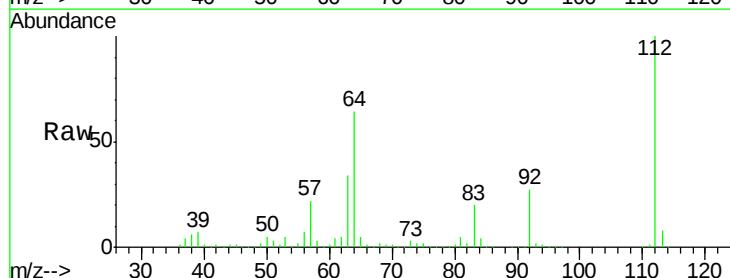
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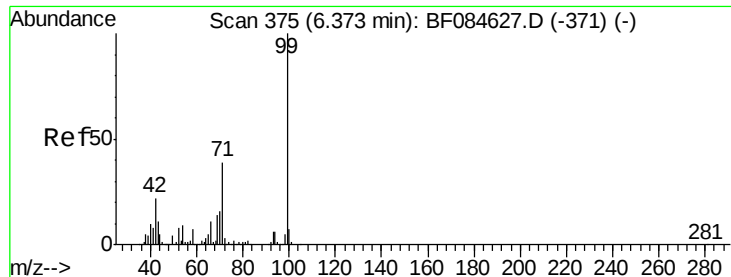


#5

2-Fluorophenol
Concen: 96.84 ng
RT: 5.32 min Scan# 283
Delta R.T. 0.01 min
Lab File: BF084668.D
Acq: 30 Jan 2016 6:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.3	36.6	55.0#
63	33.9	19.4	29.0#





#7

Phenol-d6

Concen: 117.59 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF084668.D

Acq: 30 Jan 2016 6:59

Instrument :

BNA_F

ClientSampleId :

SUP-B013(20-23)

Tot Ion: 99 Resp: 1598147

Ion Ratio Lower Upper

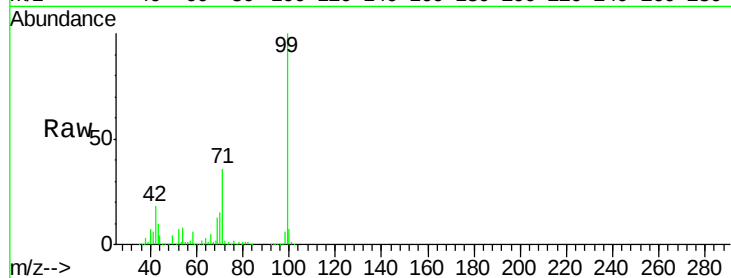
99 100

42 17.8 12.8 19.2

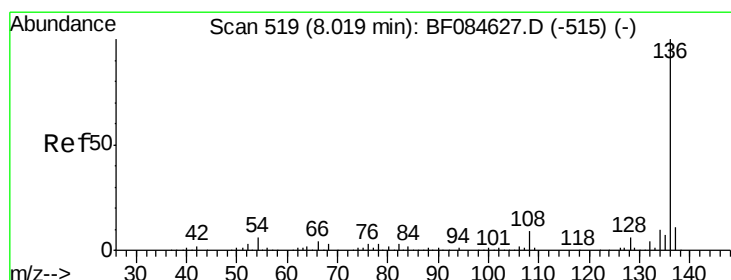
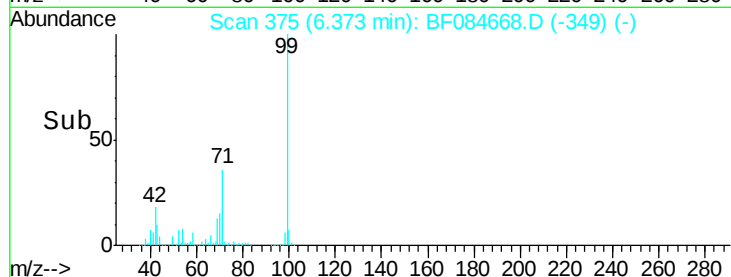
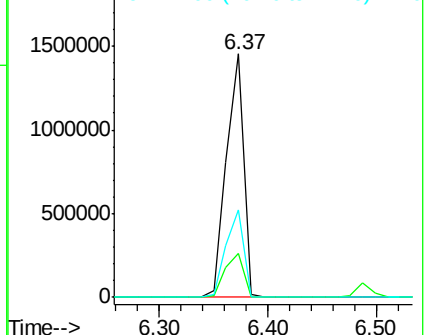
71 35.7 30.9 46.3

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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: BF084668.D

Acq: 30 Jan 2016 6:59

Tgt Ion: 136 Resp: 728758

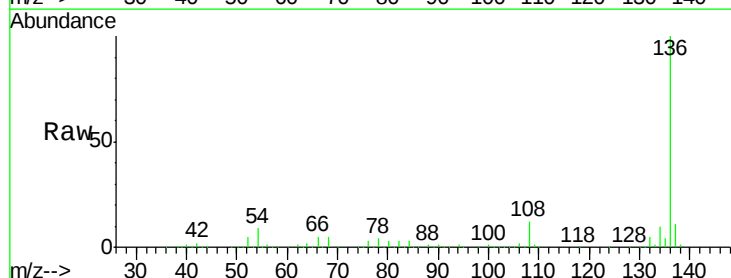
Ion Ratio Lower Upper

136 100

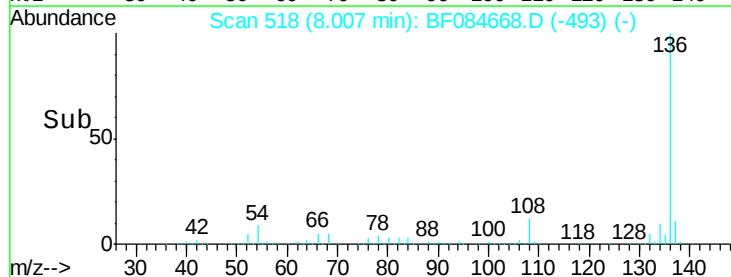
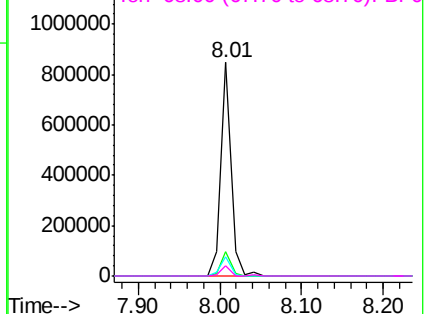
137 11.2 8.7 13.1

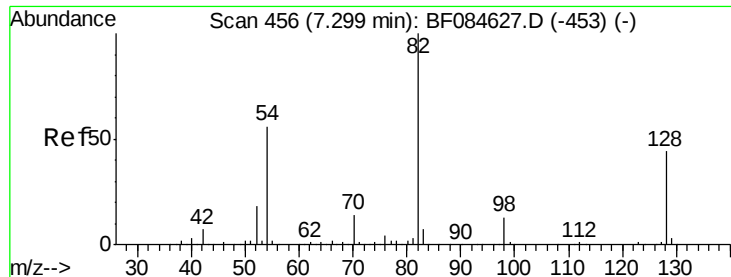
54 9.0 5.8 8.8#

68 5.1 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: 62.07 ng

RT: 7.29 min Scan# 455

Delta R.T. -0.01 min

Lab File: BF084668.D

Acq: 30 Jan 2016 6:59

Instrument :

BNA_F

ClientSampleId :

SUP-B013(20-23)

Tot Ion: 82 Resp: 809437
Ion Ratio Lower Upper

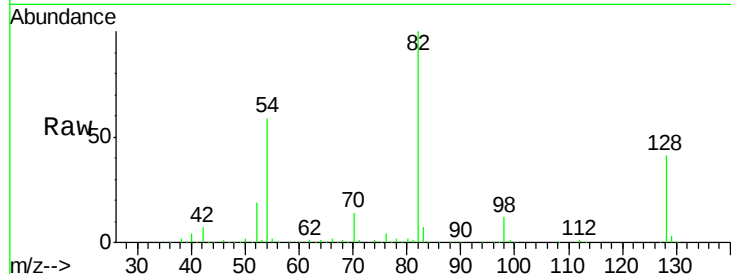
82 100

128 41.2 34.6 51.8

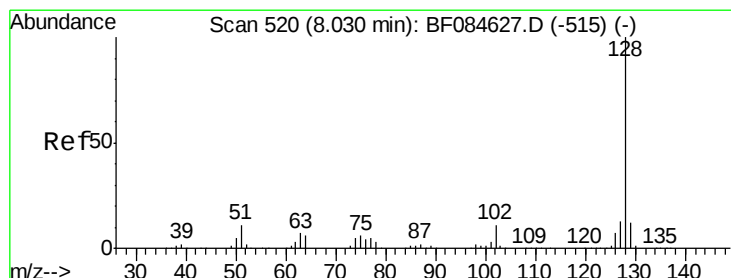
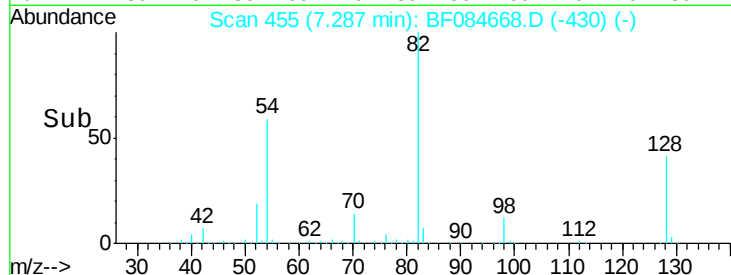
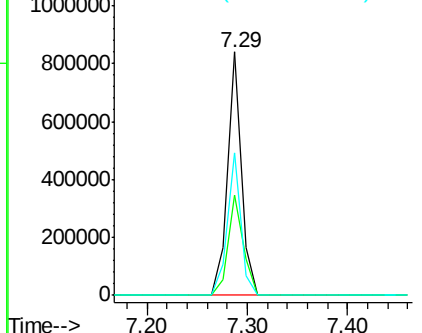
54 58.6 38.4 57.6#

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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#31

Naphthalene

Concen: 9.80 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.00 min

Lab File: BF084668.D

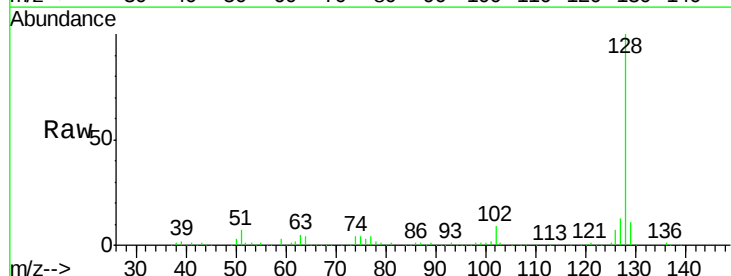
Acq: 30 Jan 2016 6:59

Tgt Ion: 128 Resp: 360433
Ion Ratio Lower Upper

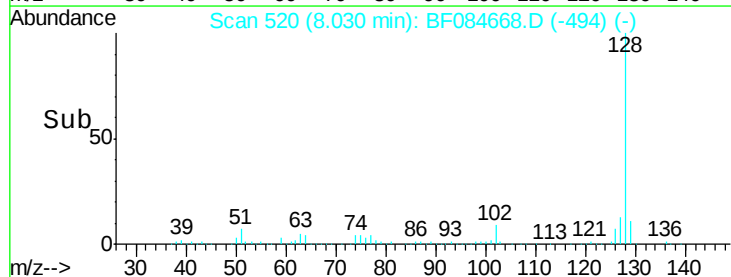
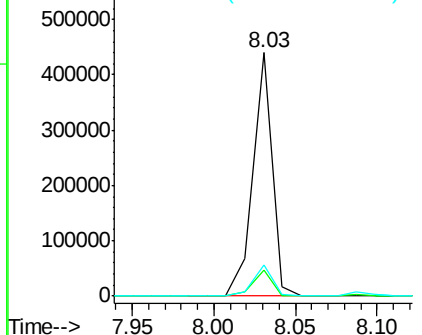
128 100

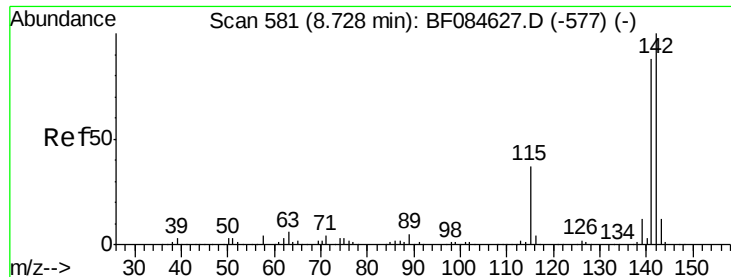
129 10.7 9.1 13.7

127 12.7 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





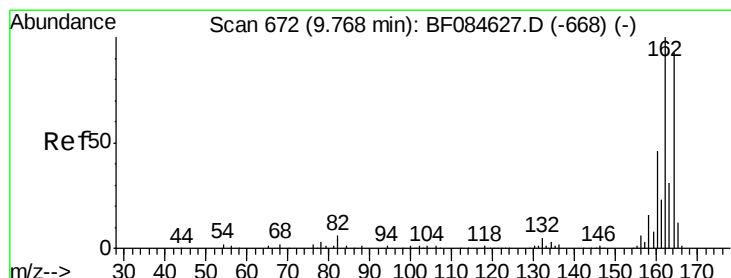
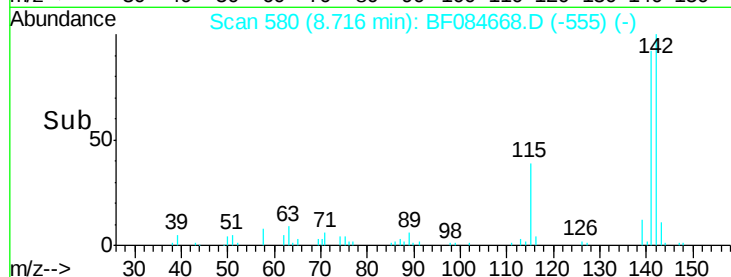
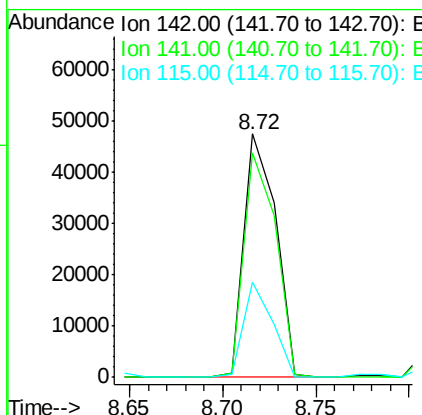
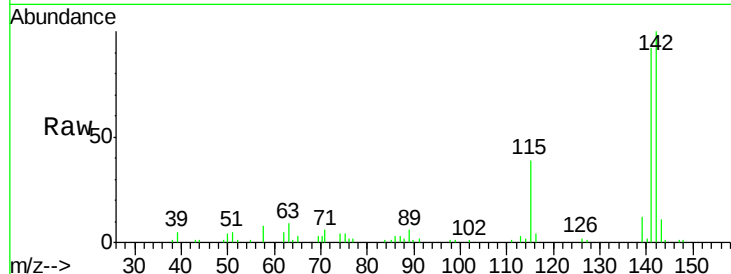
#37
2-Methylnaphthalene
Concen: 2.52 ng
RT: 8.72 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF084668.D
Acq: 30 Jan 2016 6:59

Instrument :
BNA_F
ClientSampleId :
SUP-B013(20-23)

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.0	72.4	108.6
115	38.9	27.9	41.9

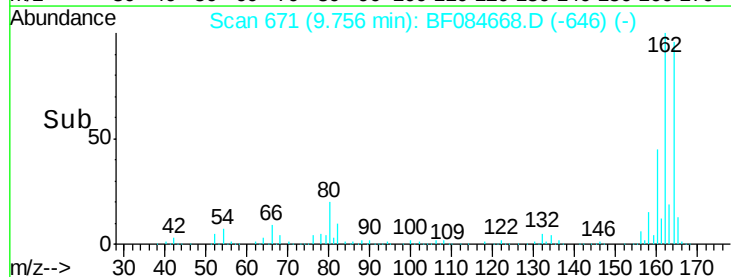
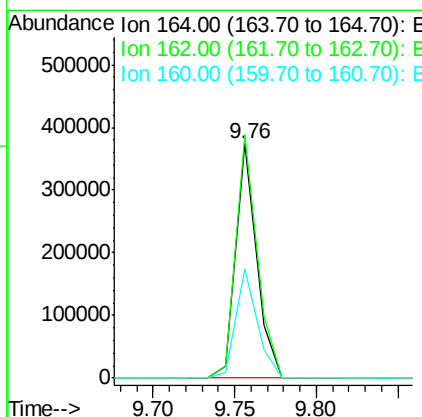
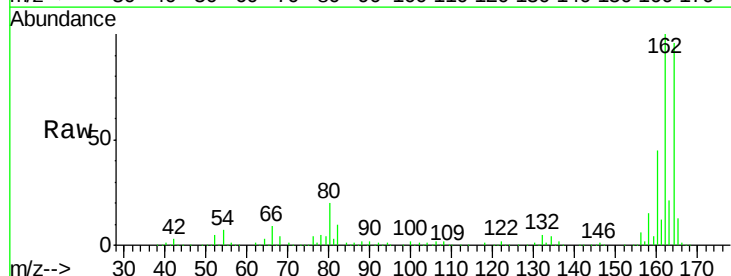
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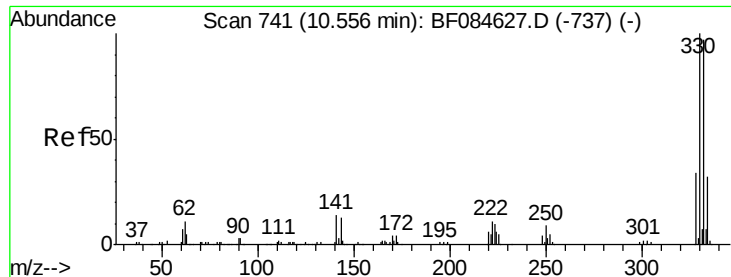
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.76 min Scan# 671
Delta R.T. -0.01 min
Lab File: BF084668.D
Acq: 30 Jan 2016 6:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	85.1	127.7
160	46.4	37.5	56.3





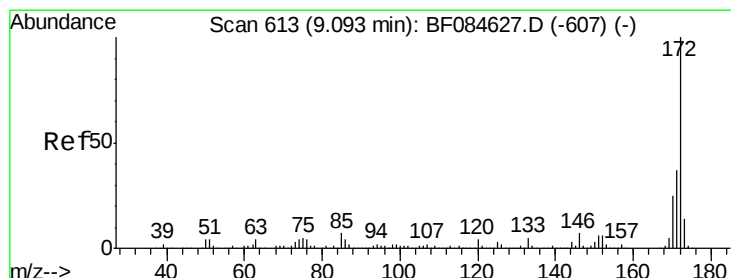
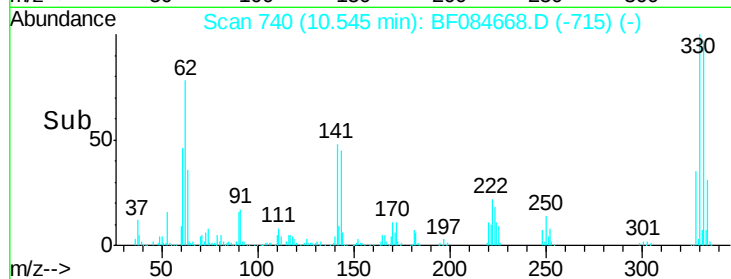
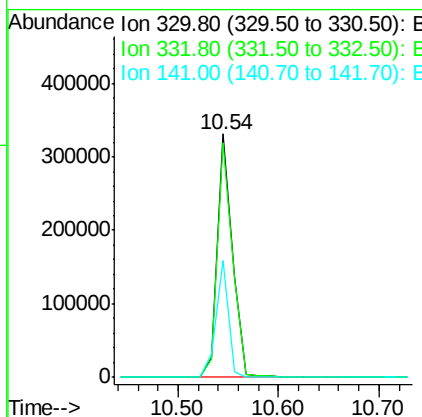
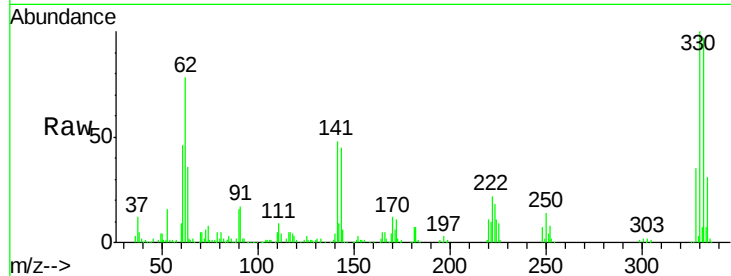
#41
 2,4,6-Tribromophenol
 Concen: 100.59 ng
 RT: 10.54 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF084668.D
 Acq: 30 Jan 2016 6:59

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B013(20-23)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	346558		
332	97.0	76.6	114.8	
141	40.3	27.8	41.6	

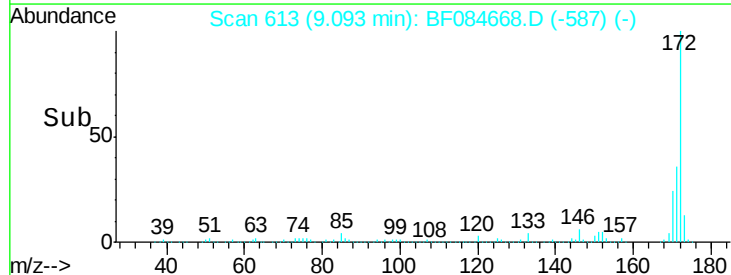
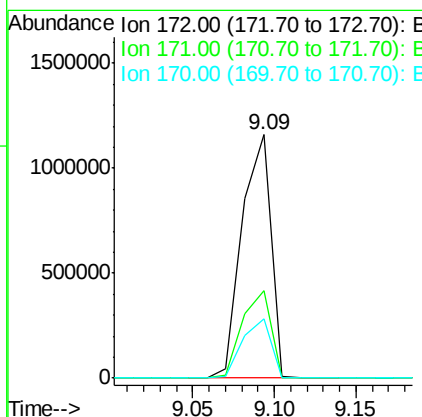
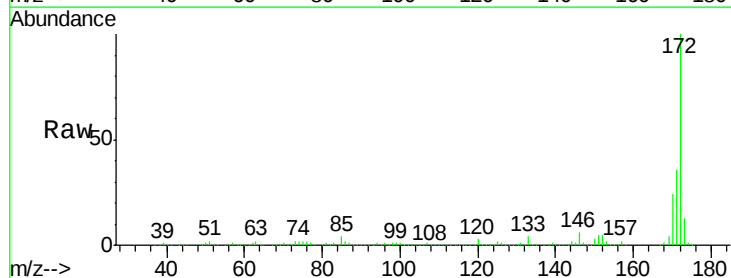
Manual Integrations
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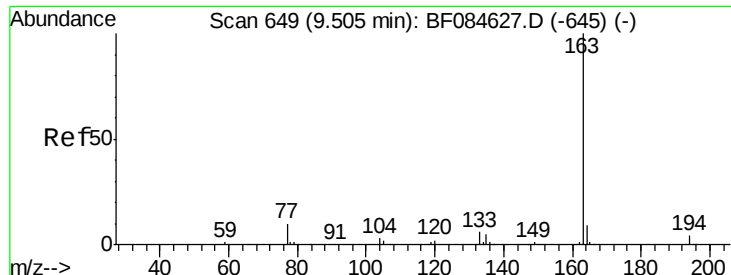
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#44
 2-Fluorobiphenyl
 Concen: 64.09 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF084668.D
 Acq: 30 Jan 2016 6:59

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1417454		
171	36.1	28.9	43.3	
170	24.2	18.6	27.8	





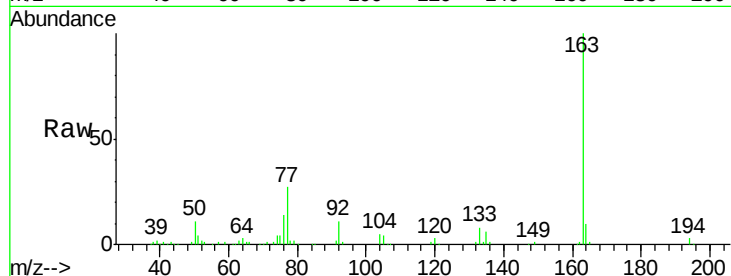
#49
Dimethylphthalate
Concen: 8.75 ng
RT: 9.48 min Scan# 647
Delta R.T. -0.02 min
Lab File: BF084668.D
Acq: 30 Jan 2016 6:59

Instrument :
BNA_F
ClientSampleId :
SUP-B013(20-23)

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.0	8.0	12.0#
164	9.6	8.0	12.0

Manual Integrations
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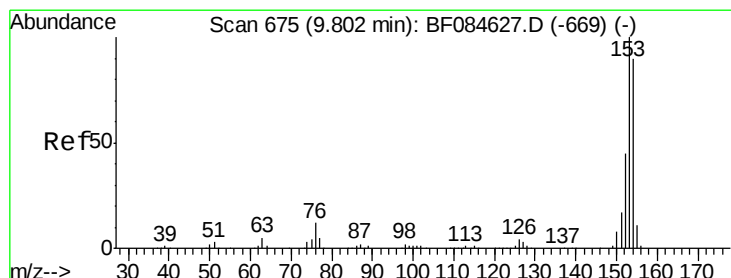
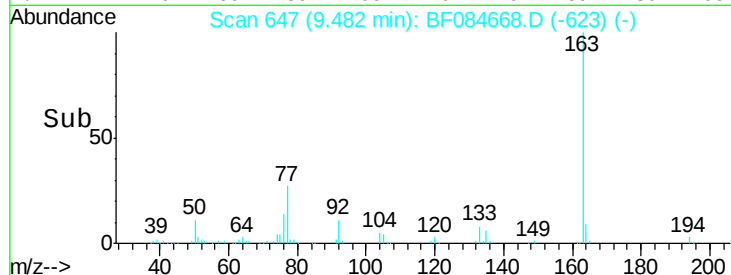
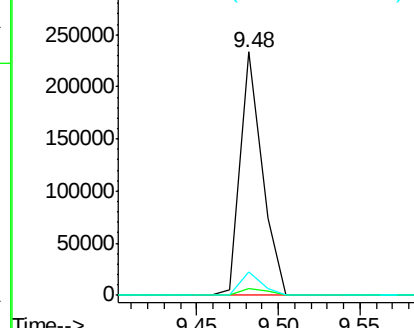


Abundance

Ion 163.00 (162.70 to 163.70): E

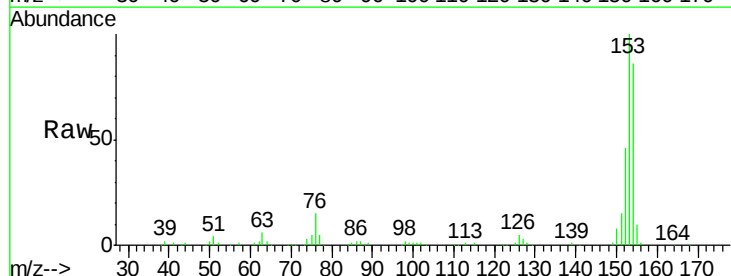
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
Acenaphthene
Concen: 4.59 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF084668.D
Acq: 30 Jan 2016 6:59

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	116.4	91.5	137.3
152	53.7	43.0	64.6

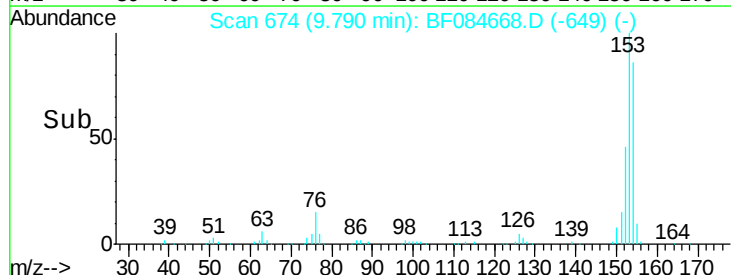
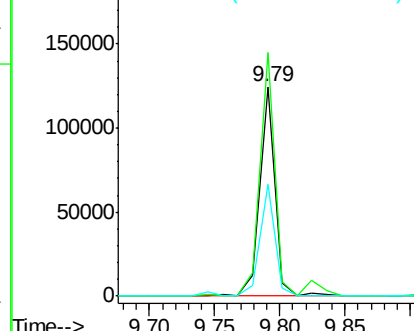


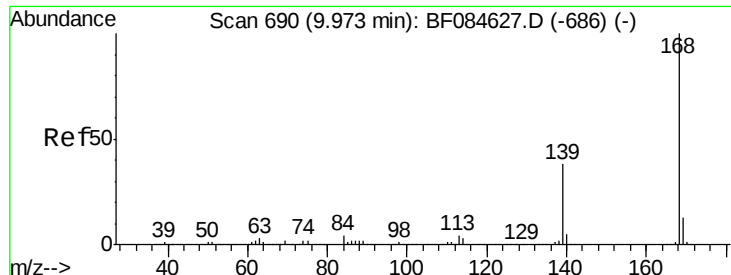
Abundance

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





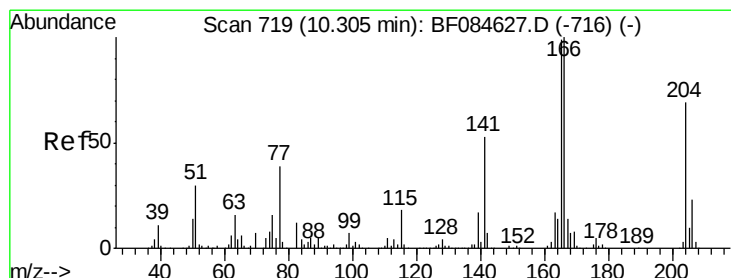
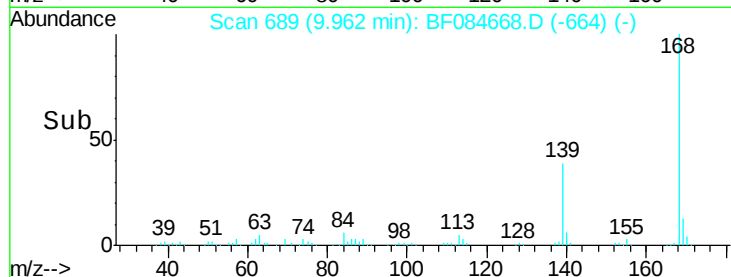
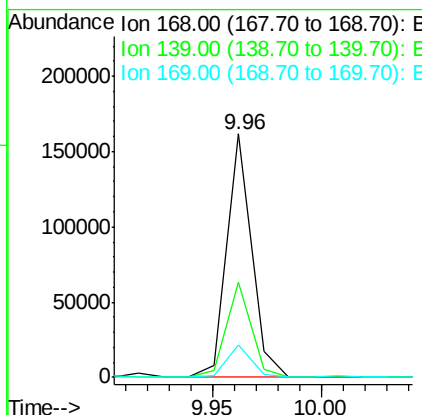
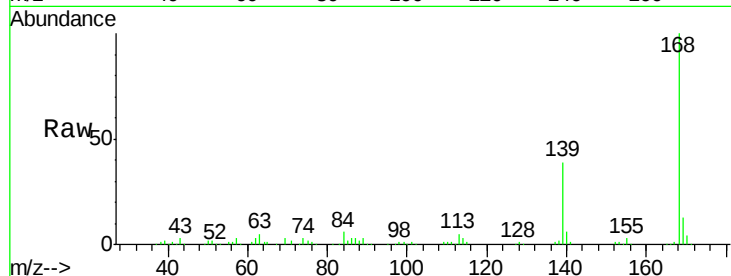
#54
Dibenzofuran
Concen: 4.83 ng
RT: 9.96 min Scan# 689
Delta R.T. -0.01 min
Lab File: BF084668.D
Acq: 30 Jan 2016 6:59

Instrument :
BNA_F
ClientSampleId :
SUP-B013(20-23)

Tot Ion	Ratio	Resp	Lower	Upper
168	100	128565		
139	39.3		30.5	45.7
169	13.5		10.4	15.6

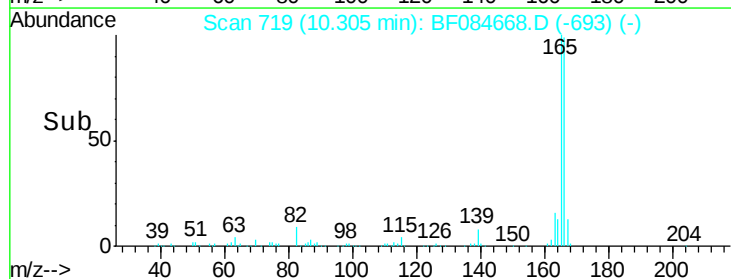
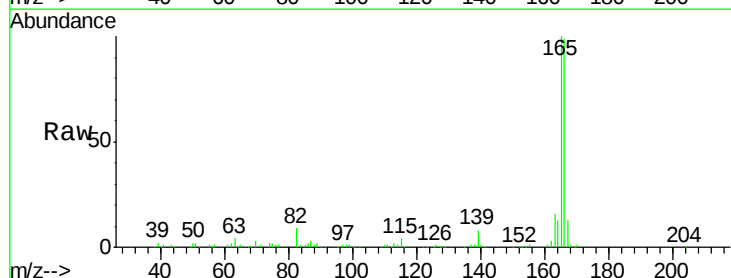
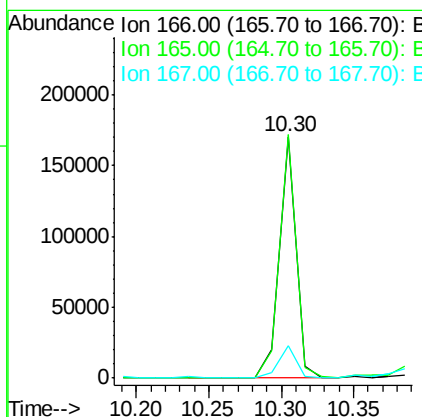
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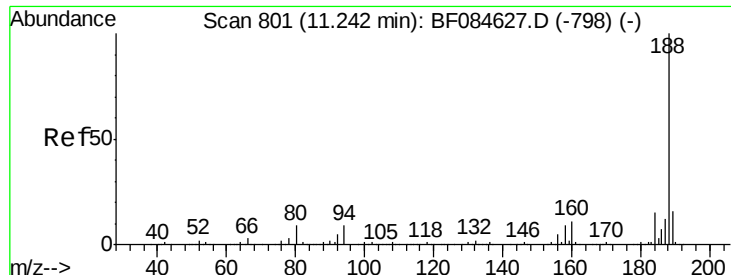
mohammad
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#57
Fluorene
Concen: 6.06 ng
RT: 10.30 min Scan# 719
Delta R.T. -0.00 min
Lab File: BF084668.D
Acq: 30 Jan 2016 6:59

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	136787		
165	100.8		79.1	118.7
167	13.3		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: BF084668.D

Acq: 30 Jan 2016 6:59

Instrument :

BNA_F

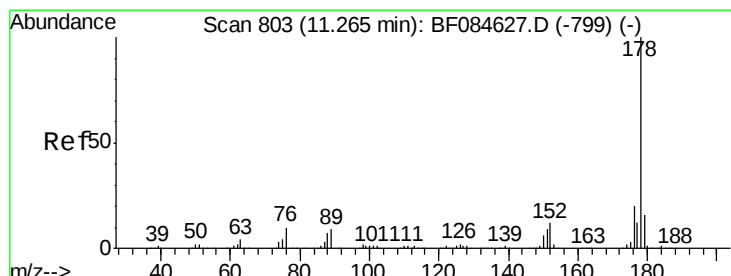
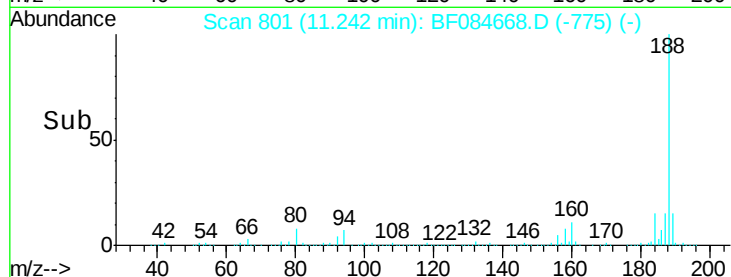
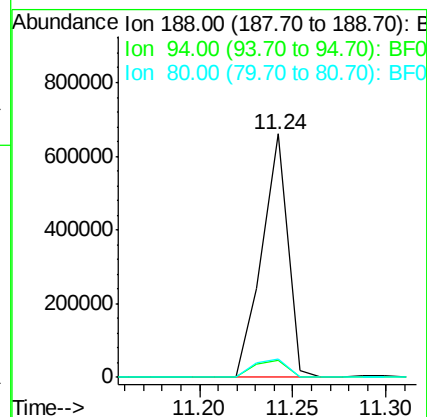
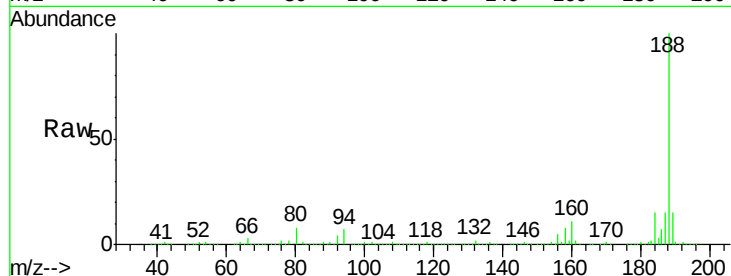
ClientSampleId :

SUP-B013(20-23)

Tot Ion:	188	Resp:	634442
Ion Ratio	Lower	Upper	
188	100		
94	7.2	9.0	13.4#
80	7.7	9.6	14.4#

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#70

Phenanthrene

Concen: 28.02 ng

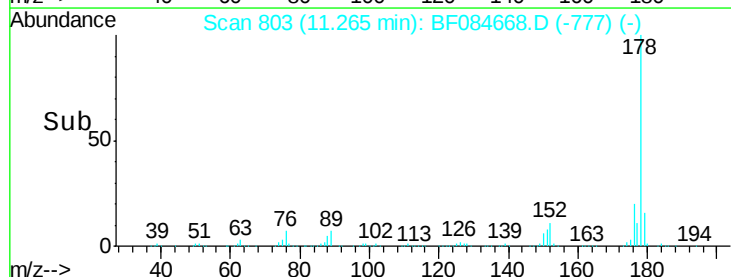
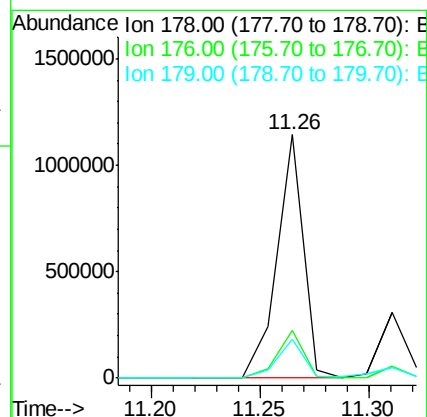
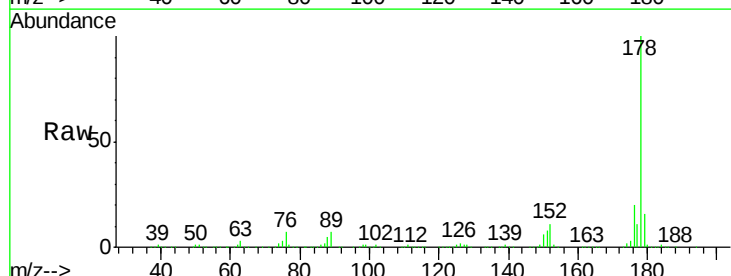
RT: 11.26 min Scan# 803

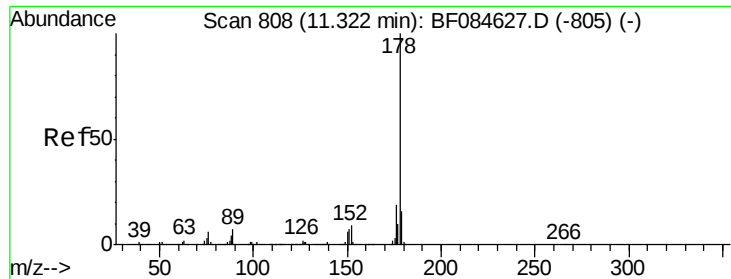
Delta R.T. -0.00 min

Lab File: BF084668.D

Acq: 30 Jan 2016 6:59

Tgt Ion:	178	Resp:	983121
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.3	22.9
179	15.8	12.0	18.0





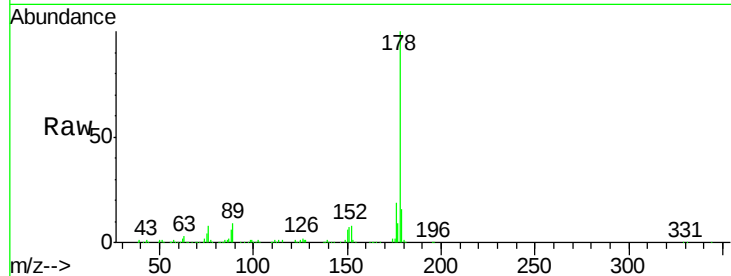
#71
 Anthracene
 Concen: 7.49 ng
 RT: 11.31 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF084668.D
 Acq: 30 Jan 2016 6:59

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B013(20-23)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.0
179	15.9	12.5	18.7

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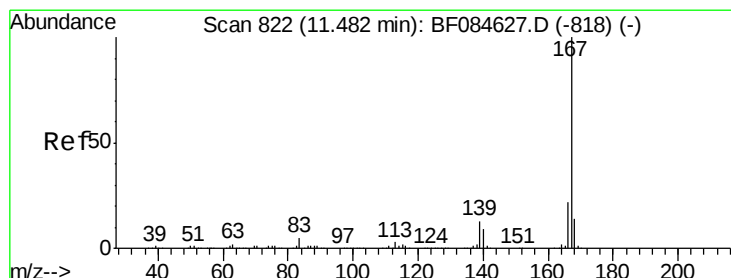
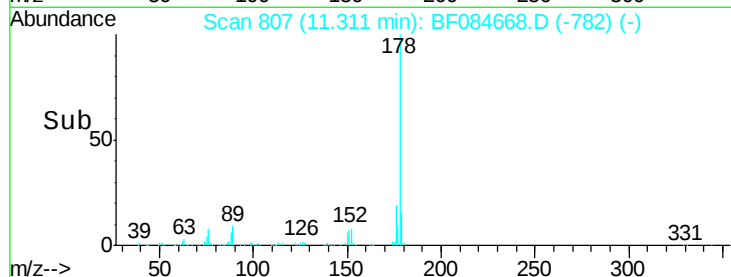
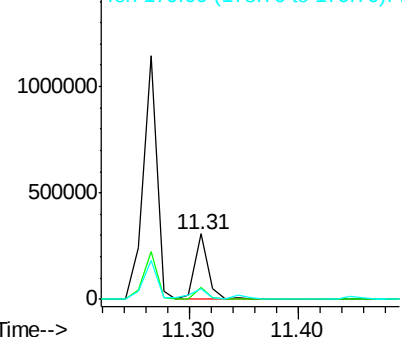


Abundance

Ion 178.00 (177.70 to 178.70): E

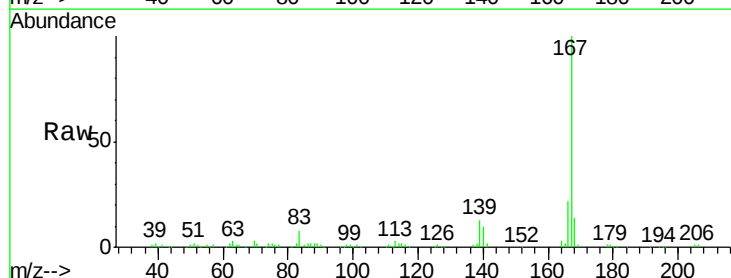
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72
 Carbazole
 Concen: 3.97 ng
 RT: 11.47 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BF084668.D
 Acq: 30 Jan 2016 6:59

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.6	26.4
139	13.2	11.8	17.8

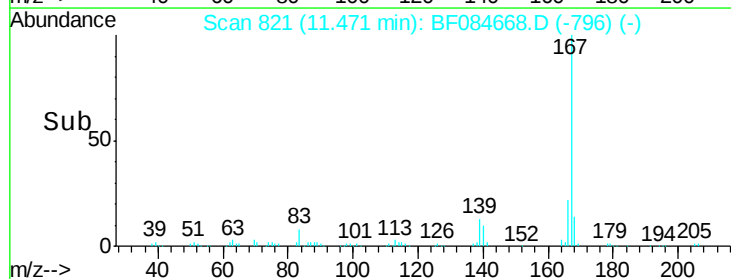
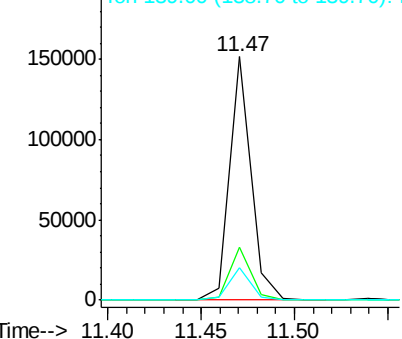


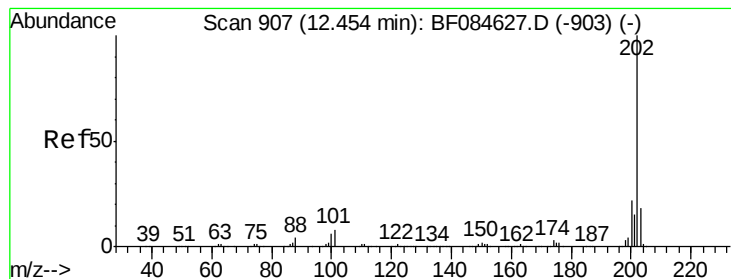
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 20.29 ng

RT: 12.44 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF084668.D

Acq: 30 Jan 2016 6:59

Instrument :

BNA_F

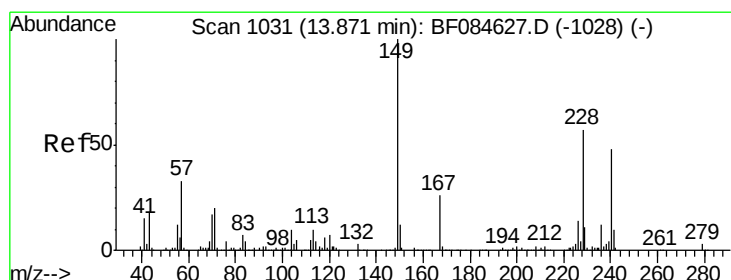
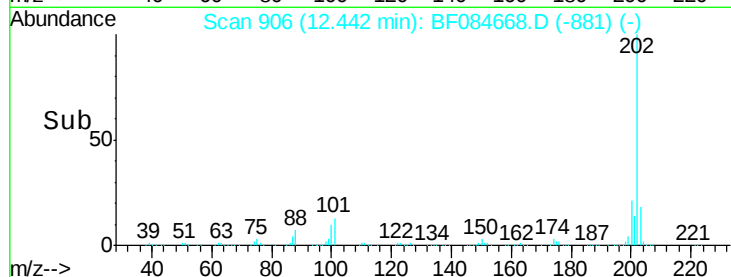
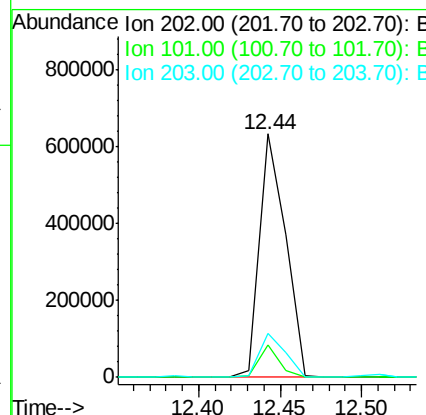
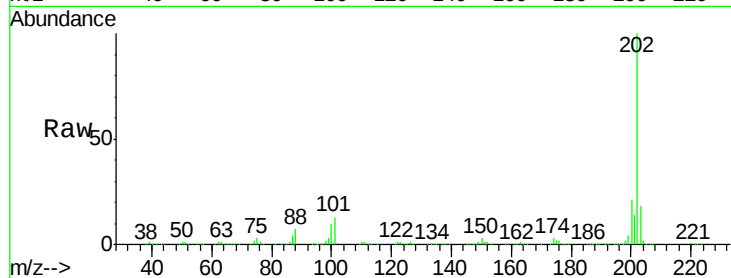
ClientSampleId :

SUP-B013(20-23)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		703789		
101	13.1	0.0	32.8		
203	18.3	0.0	37.9		

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#75

Chrysene-d12

Concen: 20.00 ng

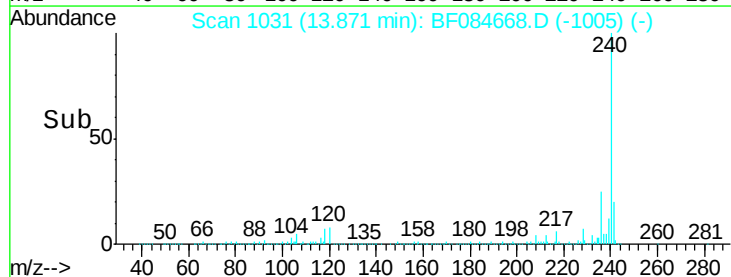
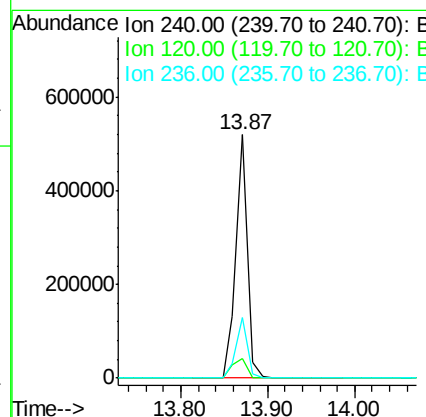
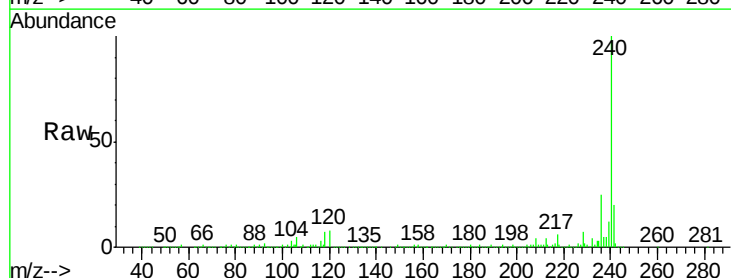
RT: 13.87 min Scan# 1031

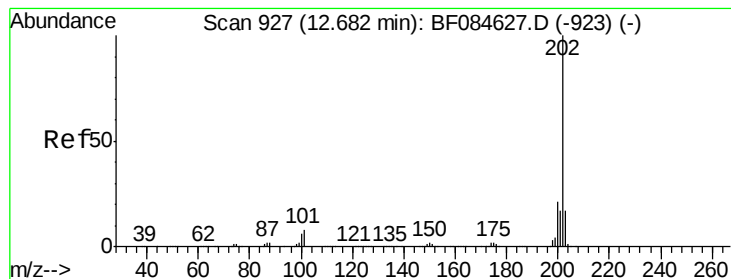
Delta R.T. -0.00 min

Lab File: BF084668.D

Acq: 30 Jan 2016 6:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		477240		
120	8.0	9.5	14.3#		
236	25.1	20.6	31.0		





#77

Pvrene

Concen: 16.32 ng

RT: 12.67 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF084668.D

Acq: 30 Jan 2016 6:59

Instrument :

BNA_F

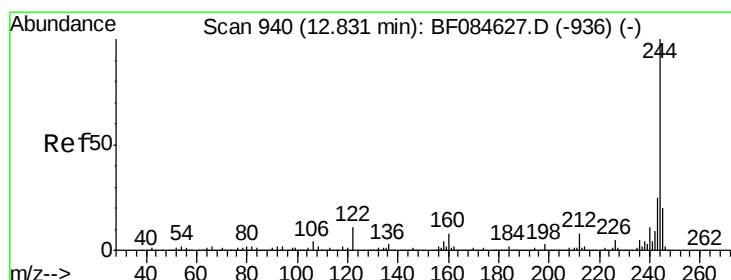
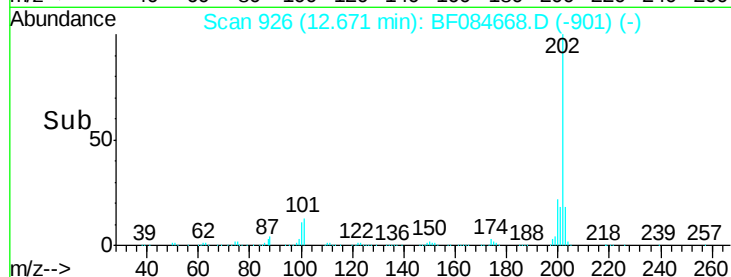
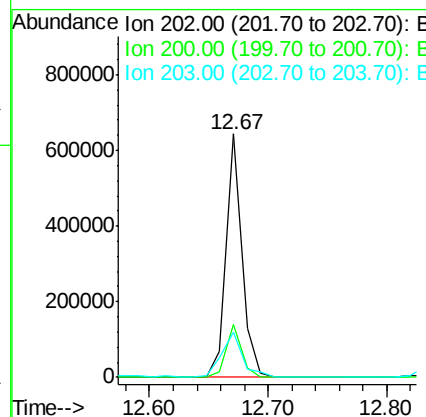
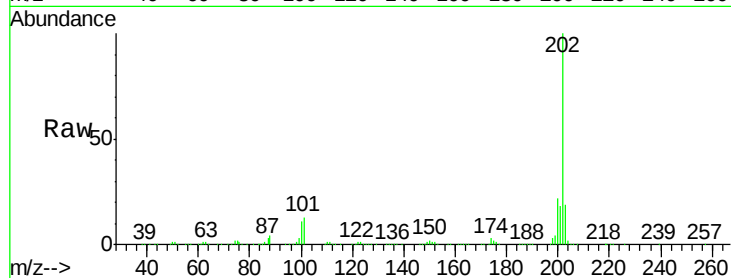
ClientSampleId :

SUP-B013(20-23)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		587405		
200	22.0	17.2	25.8		
203	18.6	14.3	21.5		

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#78

Terphenyl-d14

Concen: 56.84 ng

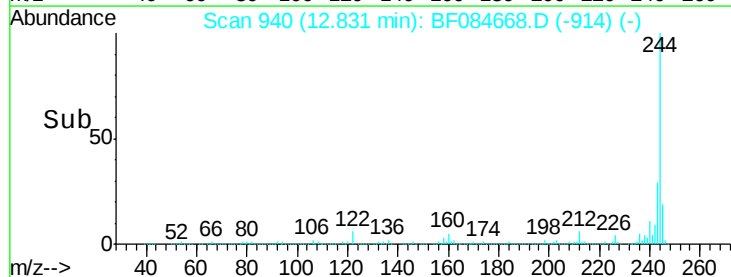
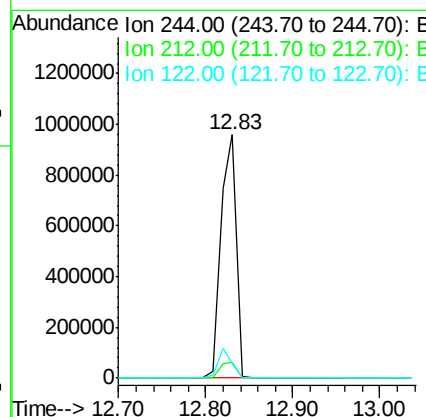
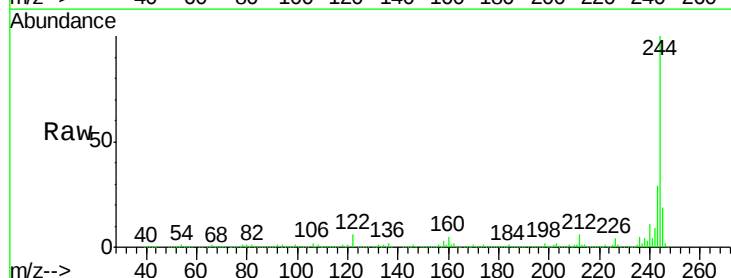
RT: 12.83 min Scan# 940

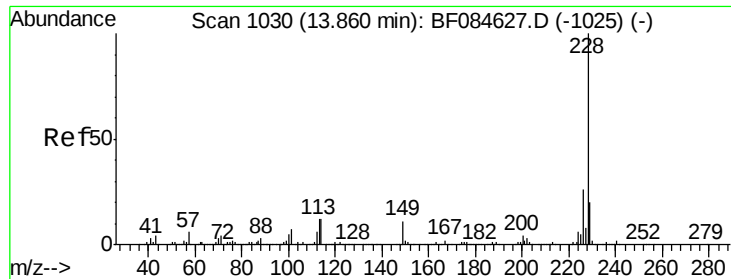
Delta R.T. -0.00 min

Lab File: BF084668.D

Acq: 30 Jan 2016 6:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100		1201022		
212	6.2	5.7	8.5		
122	6.1	7.4	11.0#		





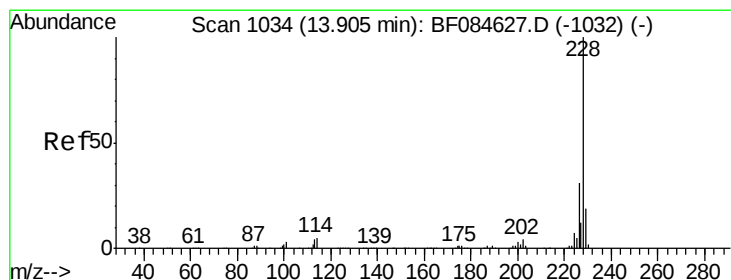
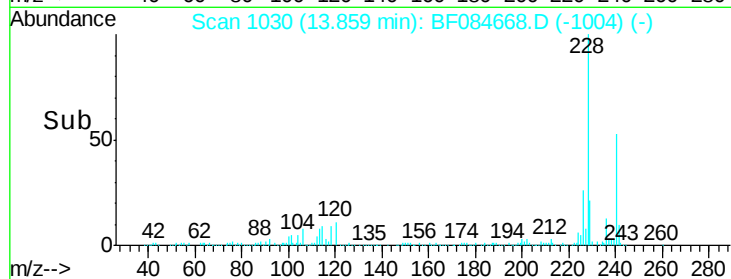
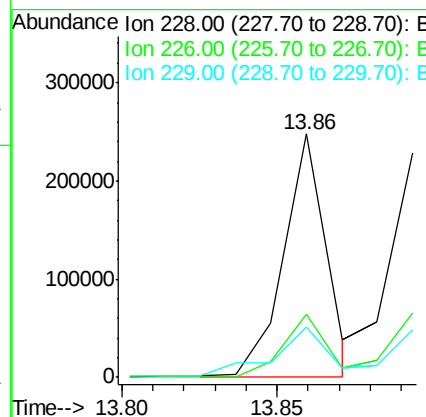
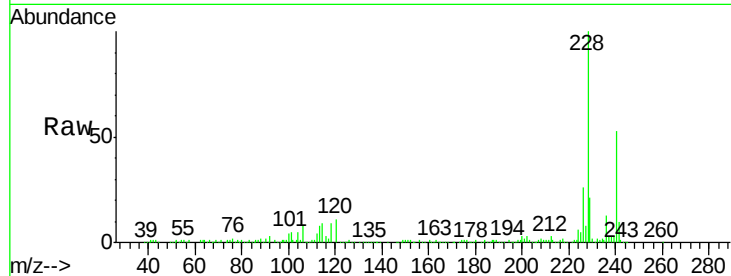
#80
Benzo(a)anthracene
Concen: 7.91 ng m
RT: 13.86 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BF084668.D
Acq: 30 Jan 2016 6:59

Instrument :
BNA_F
ClientSampleId :
SUP-B013(20-23)

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.2	21.8	32.6
229	20.7	15.8	23.8

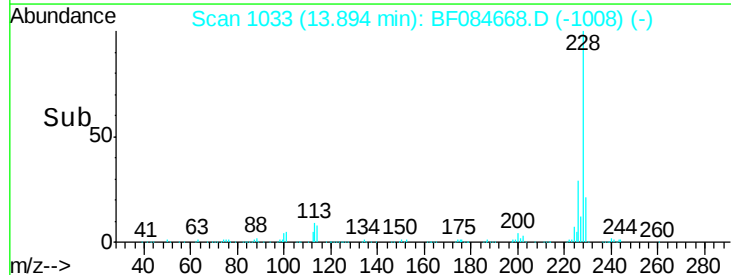
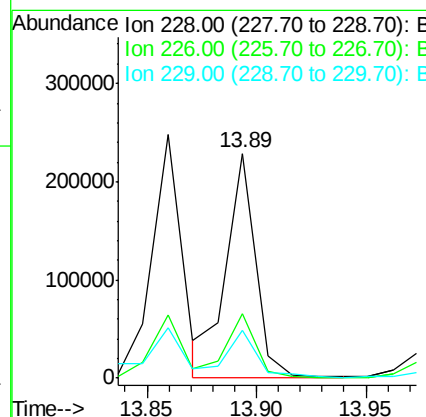
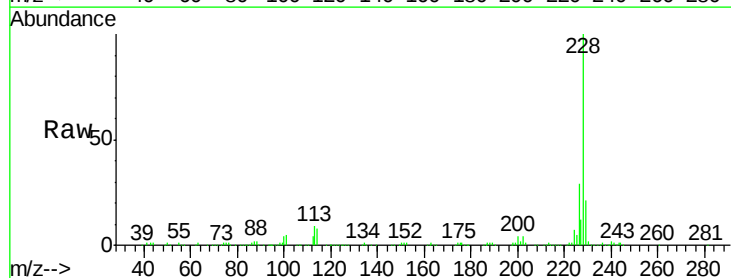
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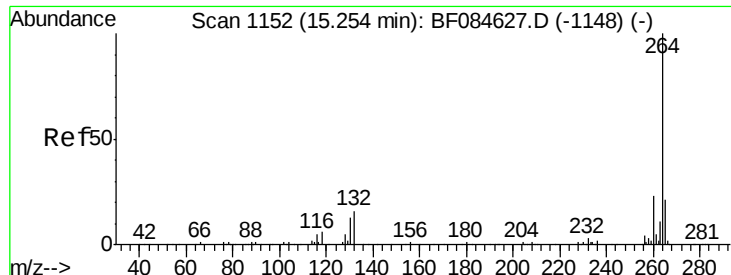
mohammad
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#82
Chrysene
Concen: 7.36 ng m
RT: 13.89 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF084668.D
Acq: 30 Jan 2016 6:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.3	36.5
229	21.2	16.1	24.1





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.25 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BF084668.D

Acq: 30 Jan 2016 6:59

Instrument :

BNA_F

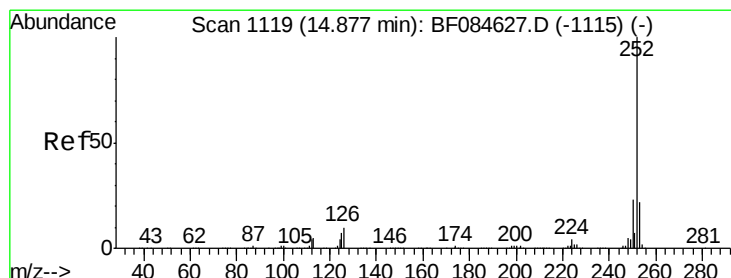
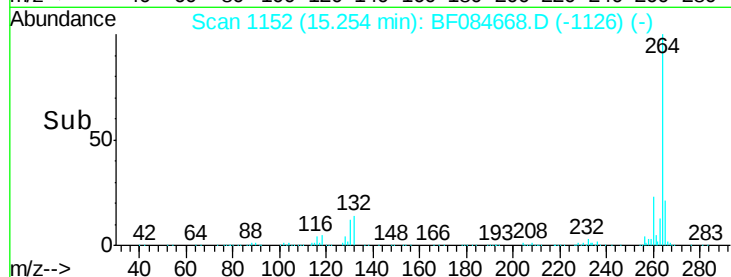
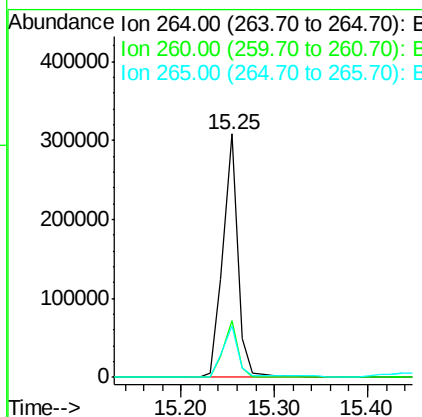
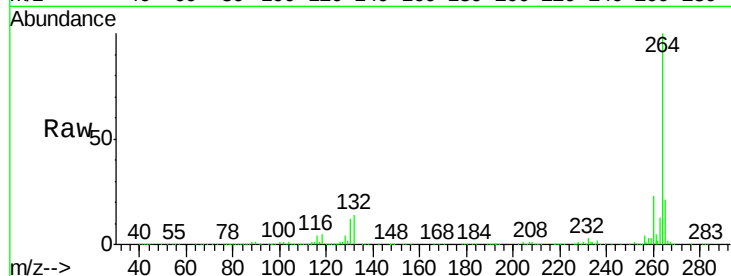
ClientSampleId :

SUP-B013(20-23)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.2
265	21.3	17.8	26.6

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#87

Benzo(b)fluoranthene

Concen: 7.46 ng m

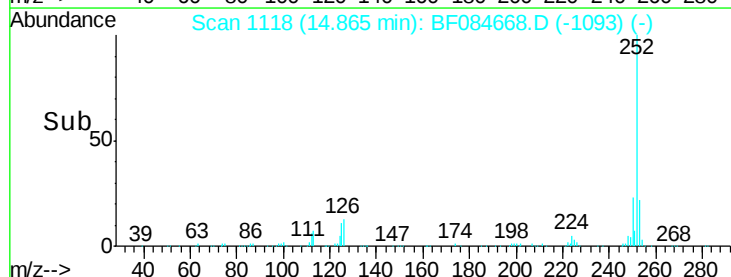
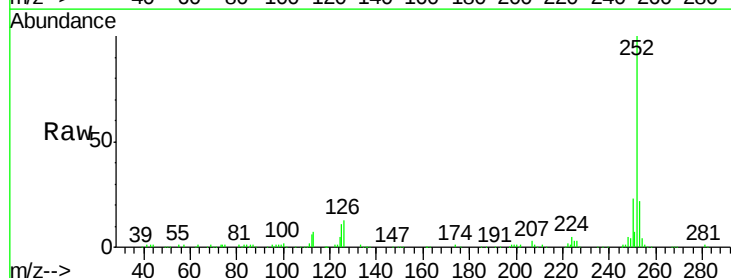
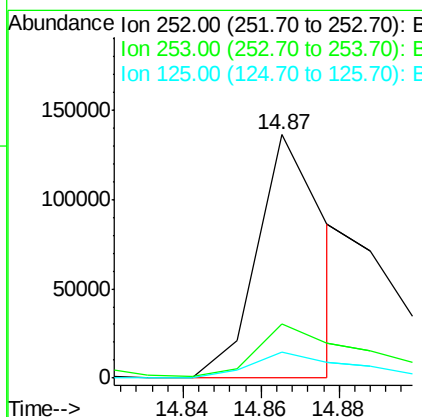
RT: 14.87 min Scan# 1118

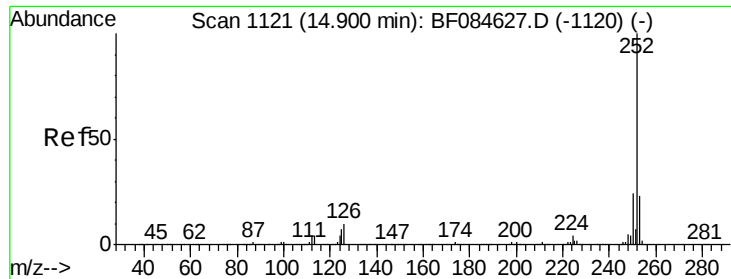
Delta R.T. -0.01 min

Lab File: BF084668.D

Acq: 30 Jan 2016 6:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.3	25.9
125	10.9	6.5	9.7#





#88

Benzo(k)fluoranthene

Concen: 4.12 ng

RT: 14.88 min Scan# 1119

Delta R.T. -0.02 min

Lab File: BF084668.D

Acq: 30 Jan 2016 6:59

Instrument :

BNA_F

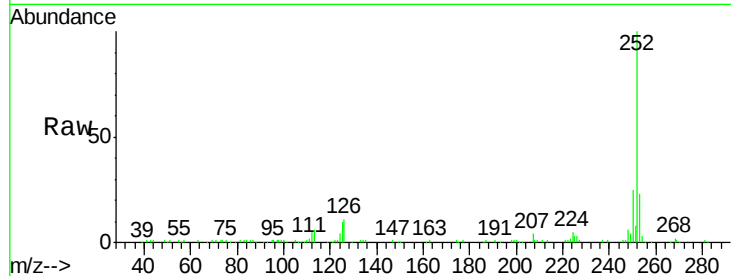
ClientSampleId :

SUP-B013(20-23)

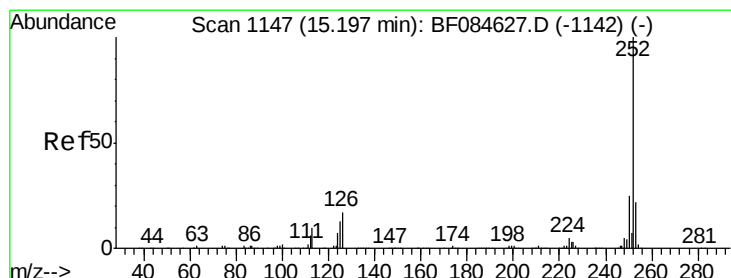
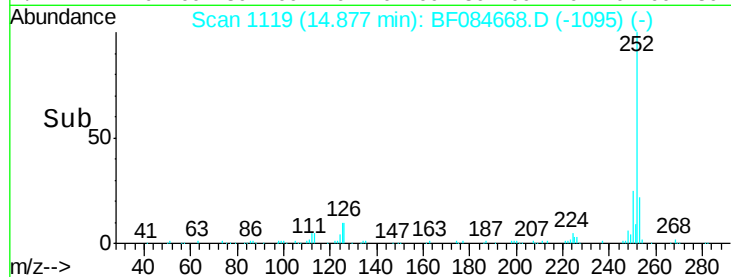
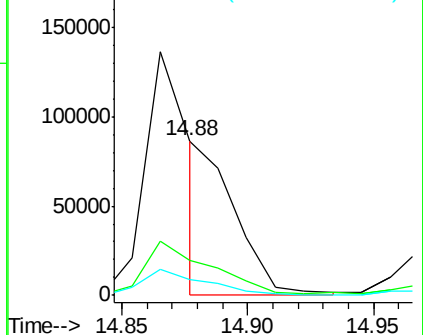
Tot Ion:	252	Resp:	76267
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.1	27.1
125	10.2	9.0	13.6

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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



#89

Benzo(a)pyrene

Concen: 6.49 ng

RT: 15.20 min Scan# 1147

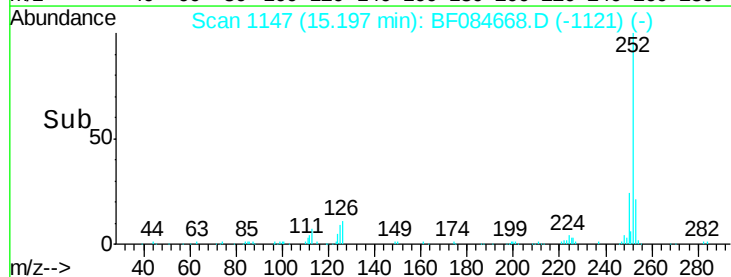
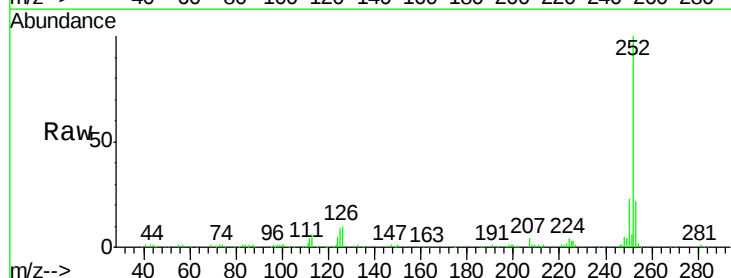
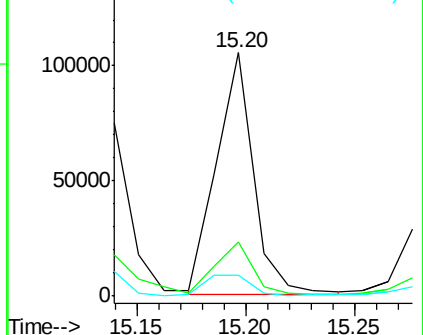
Delta R.T. -0.00 min

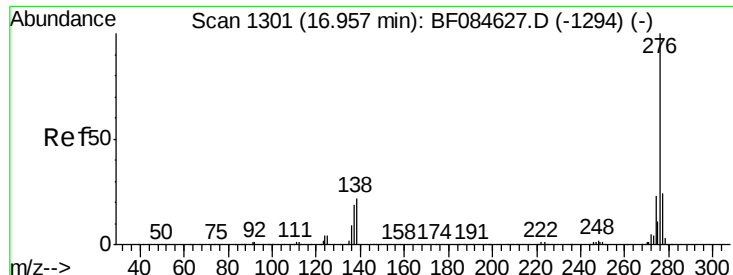
Lab File: BF084668.D

Acq: 30 Jan 2016 6:59

Tgt Ion:	252	Resp:	125813
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.3	25.9
125	8.6	7.0	10.4

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(a,h,i)perylene
 Concen: 4.05 ng
 RT: 16.95 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF084668.D
 Acq: 30 Jan 2016 6:59

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B013(20-23)

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	24.0	18.8	28.2
138	21.9	17.8	26.6

Manual Integrations
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