

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013016\
 Data File : BF084685.D
 Acq On : 30 Jan 2016 14:50
 Operator : SJ/IZ
 Sample : H1257-09
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B029(6-6.5)

Manual Integrations
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mohammad
 2/1/2016 2:26:31 PM

Quant Time: Feb 01 04:25:39 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	186090	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	679103	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	304865	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	495620	20.00	ng	0.00
75) Chrysene-d12	13.88	240	353734	20.00	ng	0.01
86) Perylene-d12	15.28	264	398220	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1039512	84.32	ng	0.02
7) Phenol-d6	6.38	99	1822466	123.34	ng	0.01
23) Nitrobenzene-d5	7.30	82	1198562	98.63	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	95027	29.74	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	1644910	80.20	ng	0.00
78) Terphenyl-d14	12.83	244	990213	63.22	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.03	128	229206	6.69	ng	99
37) 2-Methylnaphthalene	8.73	142	62949	2.99	ng	99
49) Dimethylphthalate	9.49	163	250059	10.93	ng	# 90
51) Acenaphthene	9.79	154	116369	5.63	ng	98
54) Dibenzofuran	9.96	168	124616	5.05	ng	# 92
57) Fluorene	10.30	166	160246	7.66	ng	# 97
70) Phenanthrene	11.28	178	1799789	65.67	ng	98
71) Anthracene	11.32	178	437541	15.70	ng	99
72) Carbazole	11.48	167	175093	7.29	ng	97
74) Fluoranthene	12.47	202	1941039	71.64	ng	97
77) Pyrene	12.69	202	1870694	70.12	ng	99
80) Benzo(a)anthracene	13.87	228	1078977	48.93	ng	97
82) Chrysene	13.91	228	742990	34.18	ng	96
85) Indeno(1,2,3-cd)pyrene	16.59	276	660275	34.36	ng	95
87) Benzo(b)fluoranthene	14.89	252	1144816m	44.40	ng	
88) Benzo(k)fluoranthene	14.90	252	463980m	21.78	ng	
89) Benzo(a)pyrene	15.22	252	904947	40.57	ng	# 93
90) Dibenzo(a,h)anthracene	16.60	278	160293m	7.97	ng	
91) Benzo(a,h,i)perylene	16.99	276	627878	30.94	ng	99

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

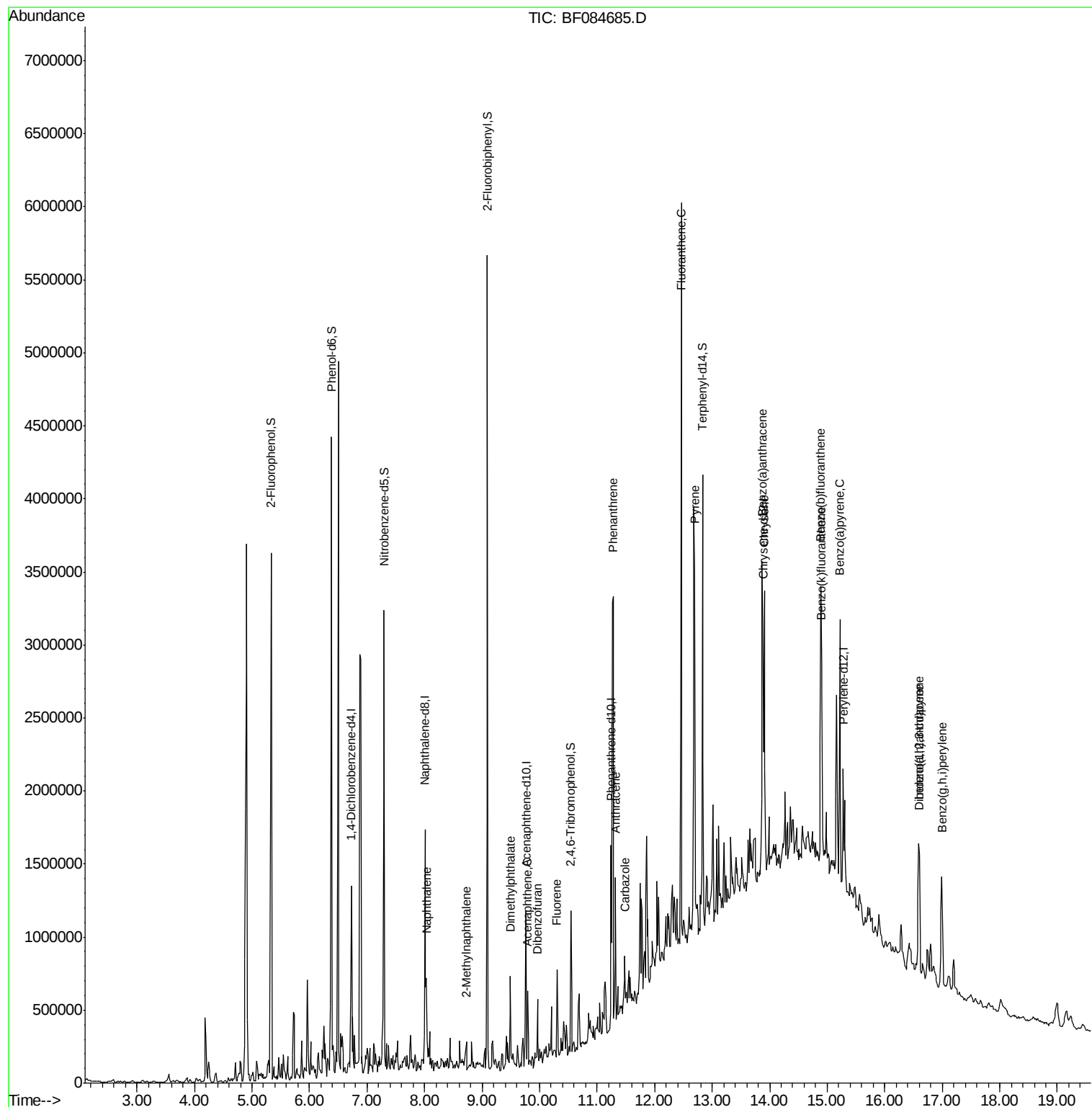
Data Path : Z:\HPCHEM1\BNA F\DATA\BF013016\
Data File : BF084685.D
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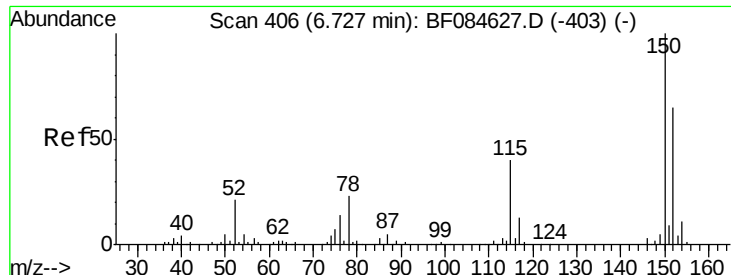
Instrument :
BNA_F
ClientSampleId :
SUP-B029(6-6.5)

Manual Integrations
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Quant Time: Feb 01 04:25:39 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

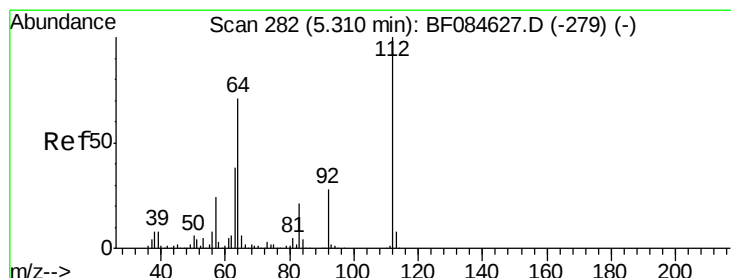
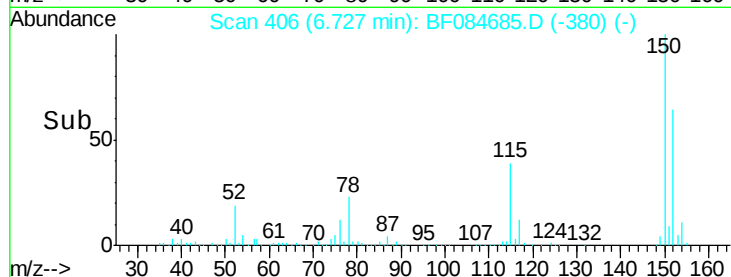
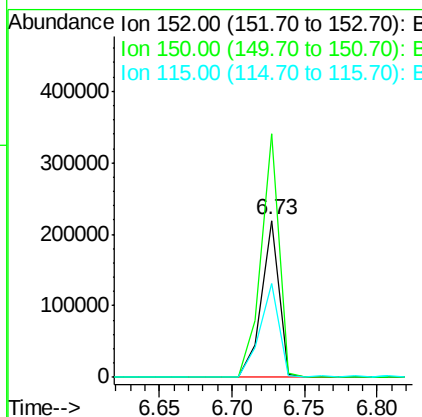
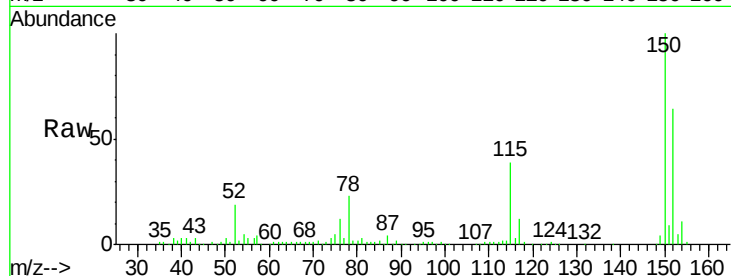
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 406
Delta R.T. -0.00 min
Lab File: BF084685.D
Acq: 30 Jan 2016 14:50

Instrument :
BNA_F
ClientSampleId :
SUP-B029(6-6.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	123.0	184.4
115	60.1	51.4	77.2

Manual Integrations
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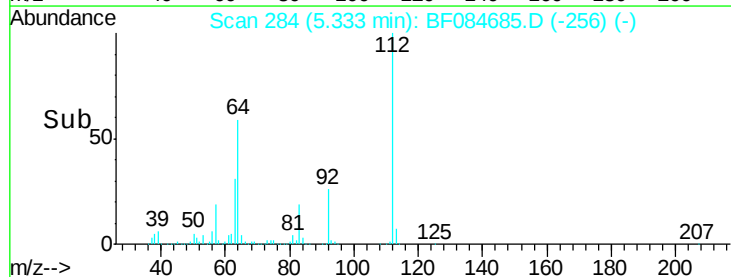
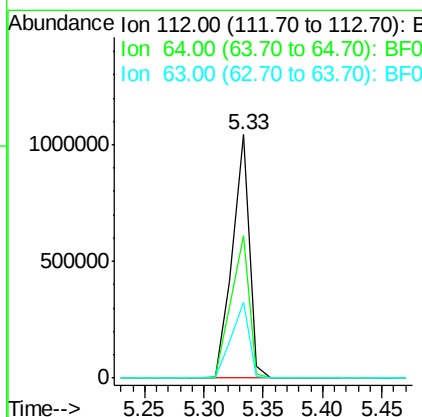
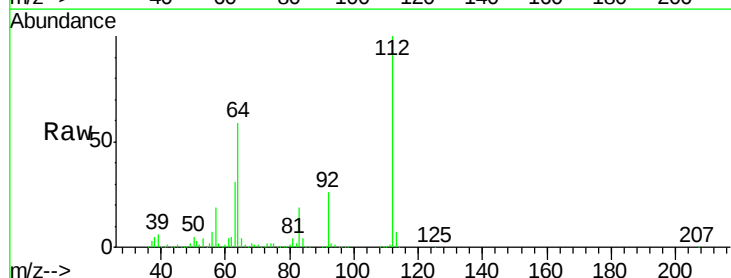
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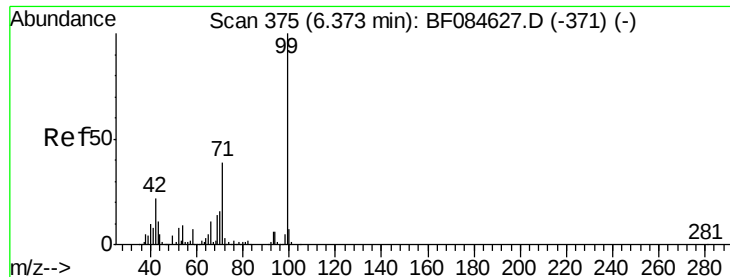


#5

2-Fluorophenol
Concen: 84.32 ng
RT: 5.33 min Scan# 284
Delta R.T. 0.02 min
Lab File: BF084685.D
Acq: 30 Jan 2016 14:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.7	36.6	55.0#
63	30.9	19.4	29.0#





#7

Phenol-d6

Concen: 123.34 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF084685.D

Acq: 30 Jan 2016 14:50

Instrument :

BNA_F

ClientSampled :

SUP-B029(6-6.5)

Tot Ion: 99 Resp: 1822466

Ion Ratio Lower Upper

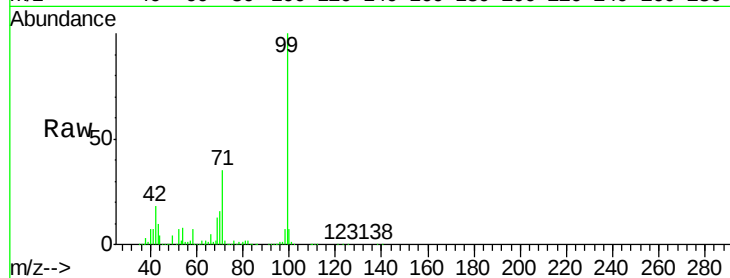
99 100

42 17.9 12.8 19.2

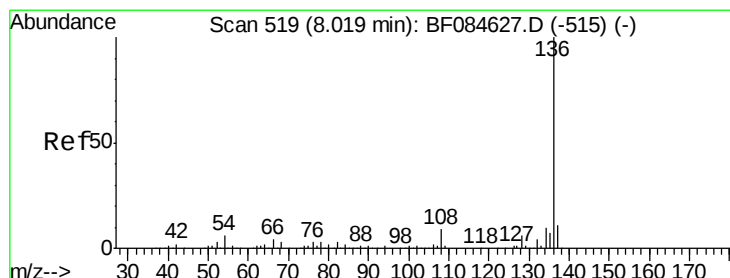
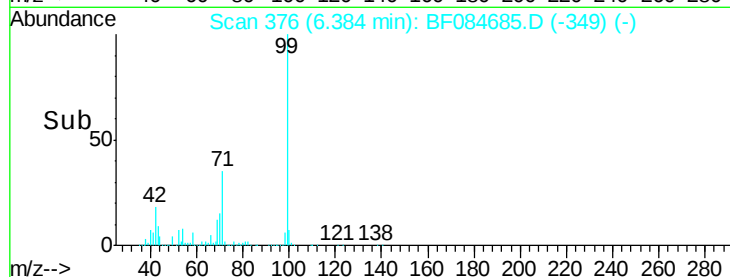
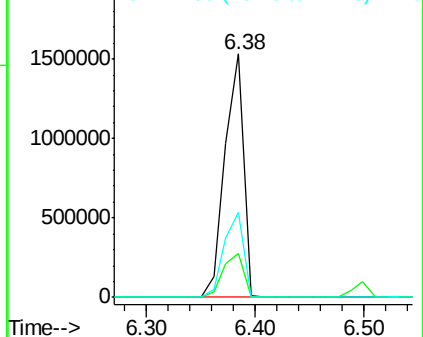
71 35.0 30.9 46.3

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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: BF084685.D

Acq: 30 Jan 2016 14:50

Tgt Ion: 136 Resp: 679103

Ion Ratio Lower Upper

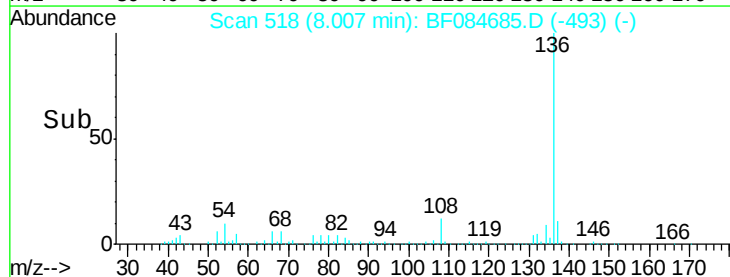
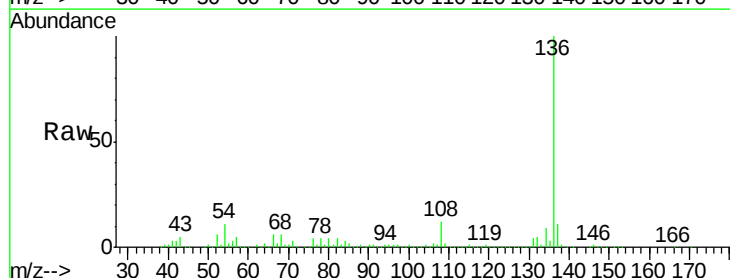
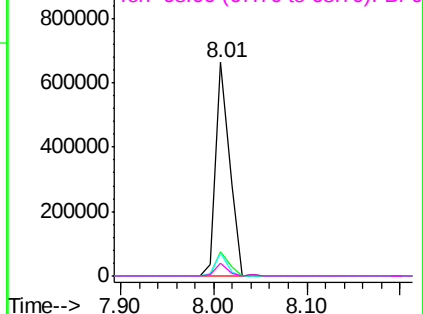
136 100

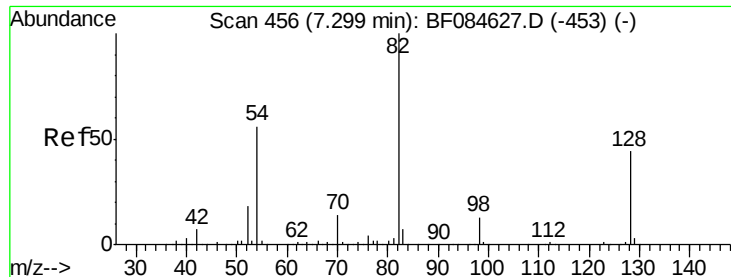
137 11.5 8.7 13.1

54 10.6 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: 98.63 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.00 min

Lab File: BF084685.D

Acq: 30 Jan 2016 14:50

Instrument :

BNA_F

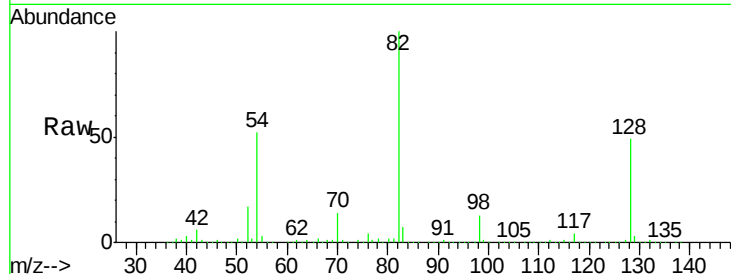
ClientSampleId :

SUP-B029(6-6.5)

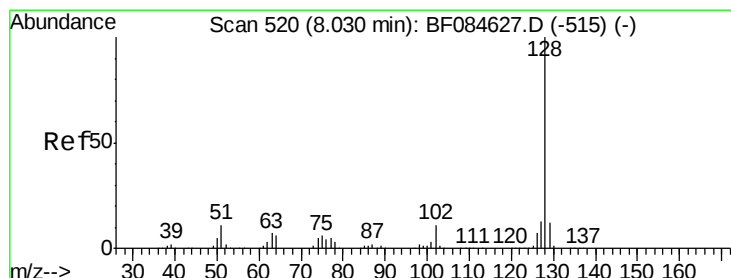
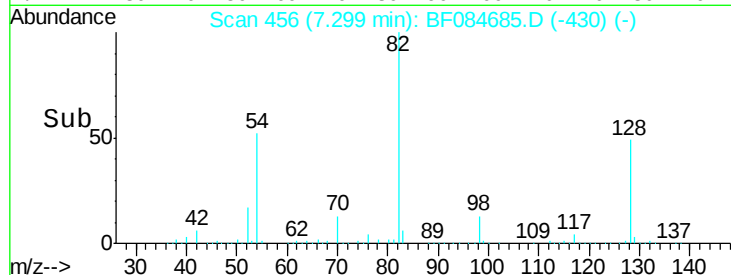
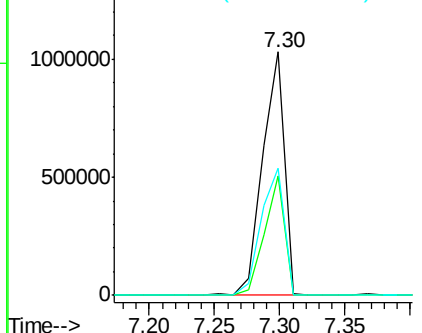
Tot Ion:	82	Resp:	1198562
Ion	Ratio	Lower	Upper
82	100		
128	49.3	34.6	51.8
54	52.3	38.4	57.6

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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: 6.69 ng

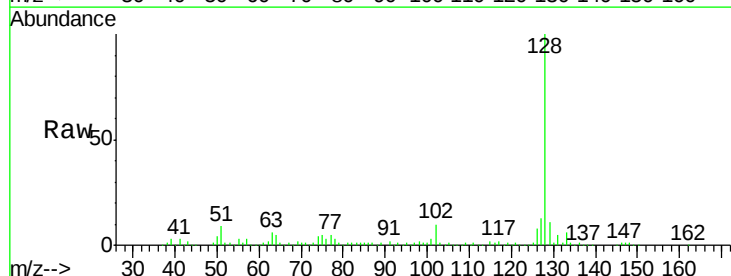
RT: 8.03 min Scan# 520

Delta R.T. -0.00 min

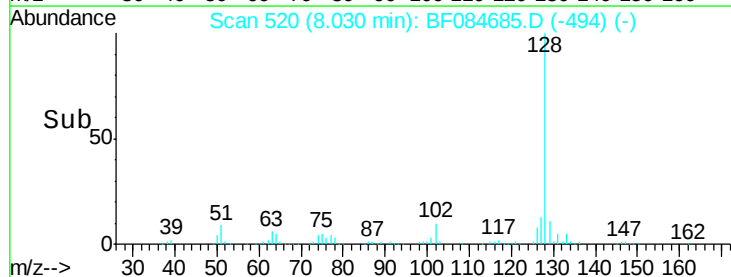
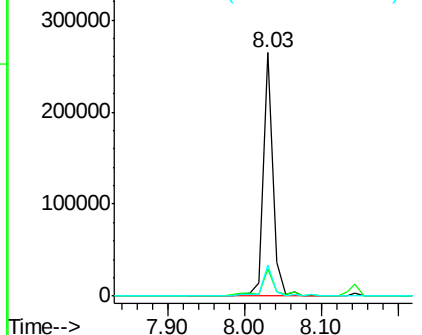
Lab File: BF084685.D

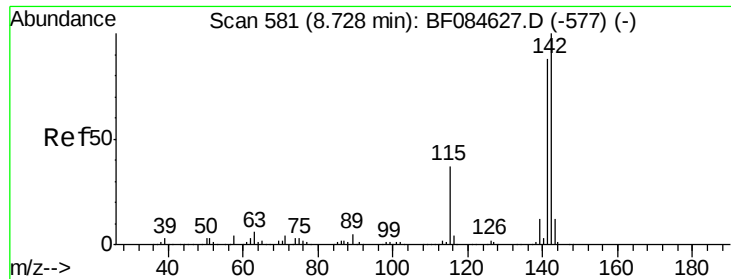
Acq: 30 Jan 2016 14:50

Tgt Ion:	128	Resp:	229206
Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.1	13.7
127	13.0	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





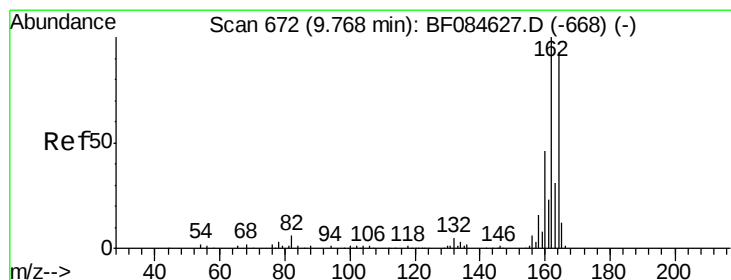
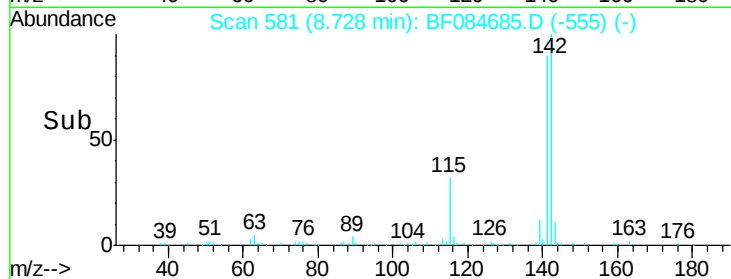
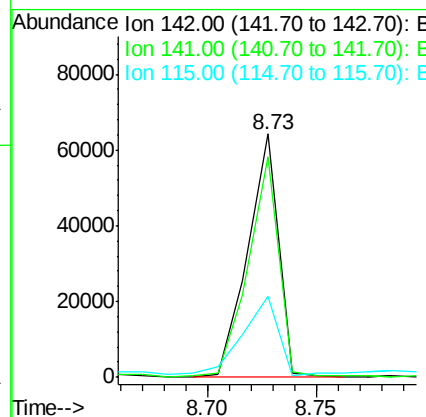
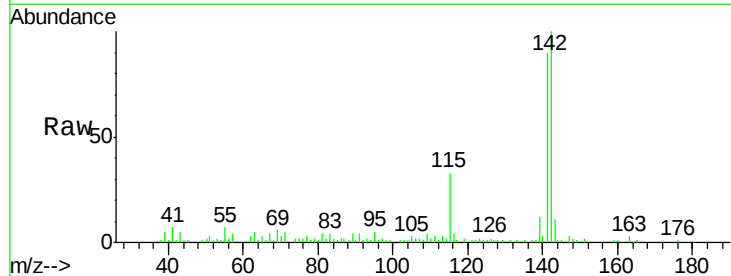
#37
2-Methylnaphthalene
Concen: 2.99 ng
RT: 8.73 min Scan# 581
Delta R.T. -0.00 min
Lab File: BF084685.D
Acq: 30 Jan 2016 14:50

Instrument :
BNA_F
ClientSampleId :
SUP-B029(6-6.5)

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.3	72.4	108.6
115	33.3	27.9	41.9

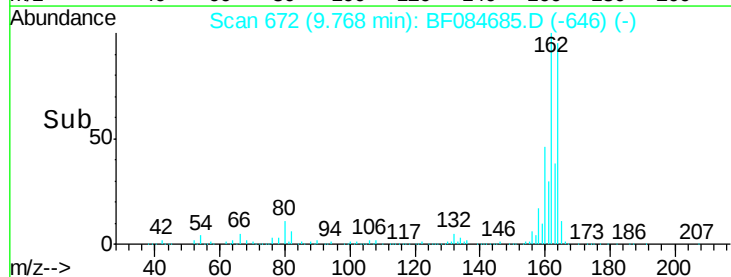
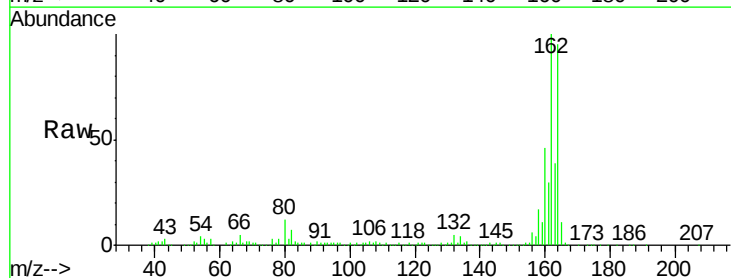
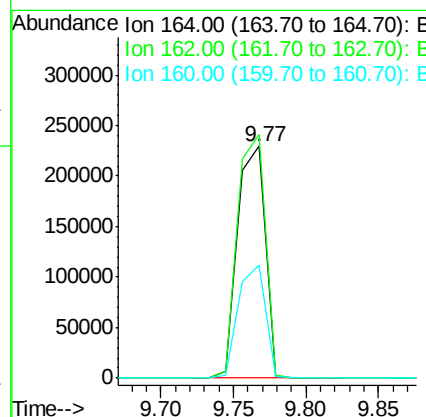
Manual Integrations
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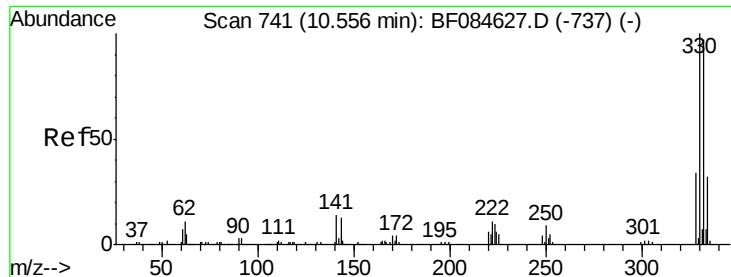
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.00 min
Lab File: BF084685.D
Acq: 30 Jan 2016 14:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.1	85.1	127.7
160	48.6	37.5	56.3





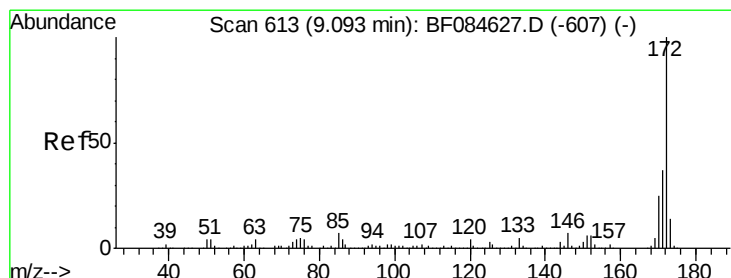
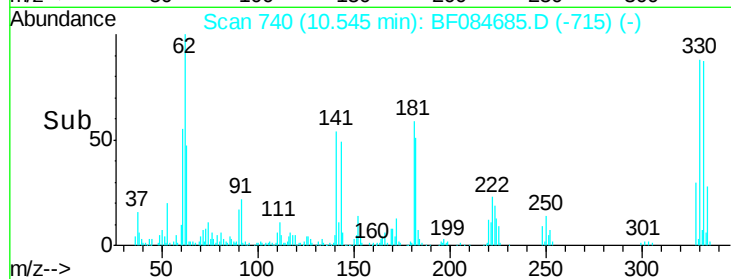
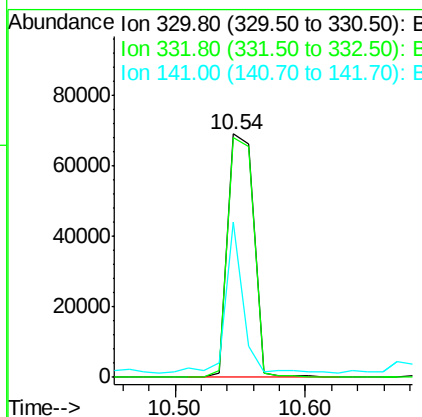
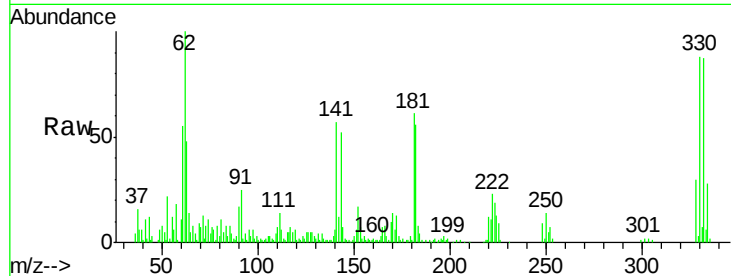
#41
 2,4,6-Tribromophenol
 Concen: 29.74 ng
 RT: 10.54 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF084685.D
 Acq: 30 Jan 2016 14:50

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B029(6-6.5)

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.1	76.6	114.8
141	41.4	27.8	41.6

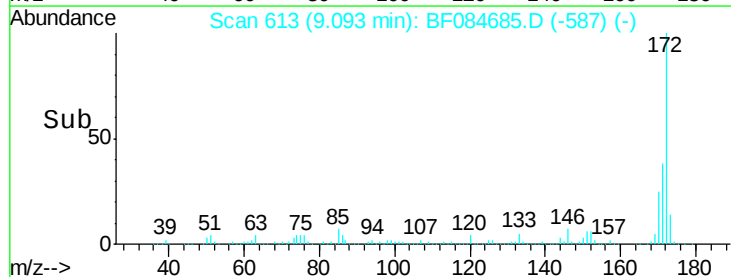
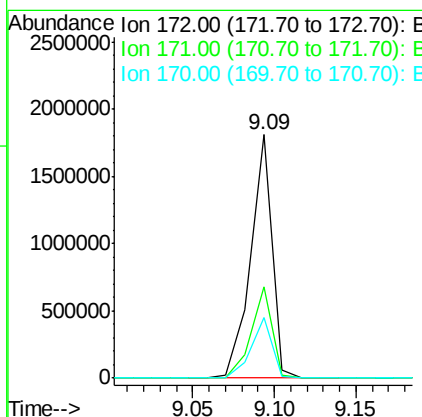
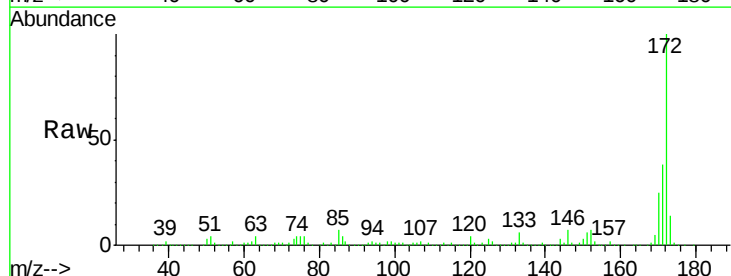
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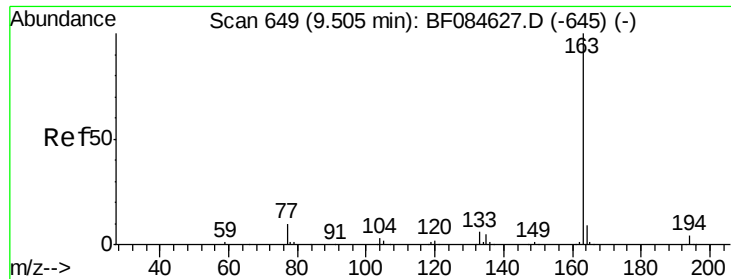
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#44
 2-Fluorobiphenyl
 Concen: 80.20 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF084685.D
 Acq: 30 Jan 2016 14:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	28.9	43.3
170	25.1	18.6	27.8





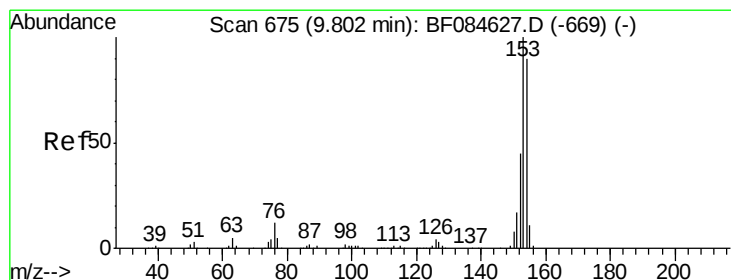
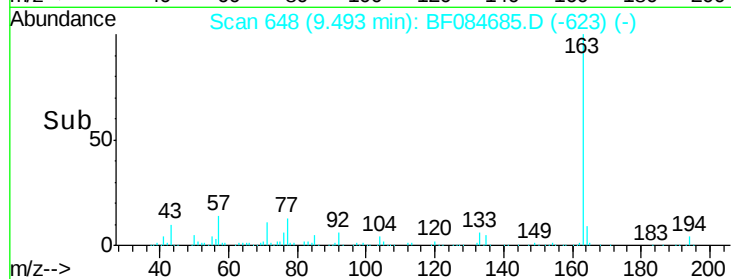
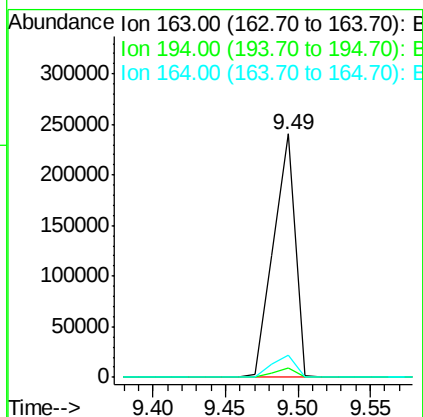
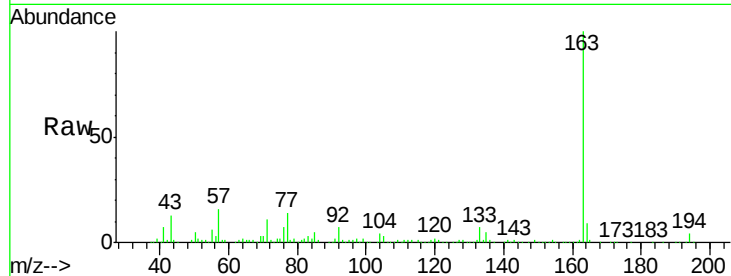
#49
Dimethylphthalate
Concen: 10.93 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.01 min
Lab File: BF084685.D
Acq: 30 Jan 2016 14:50

Instrument :
BNA_F
ClientSampleId :
SUP-B029(6-6.5)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	250059		
194	3.7		8.0	12.0#
164	9.2		8.0	12.0

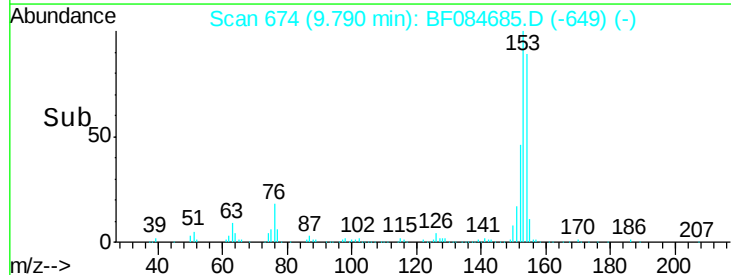
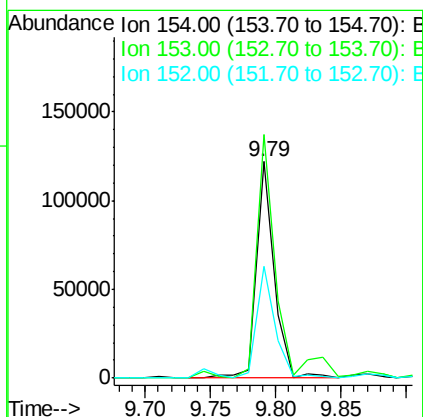
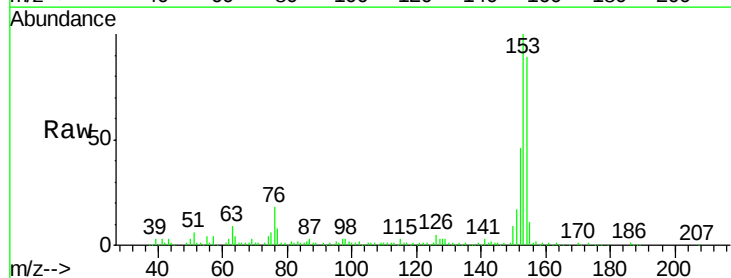
Manual Integrations
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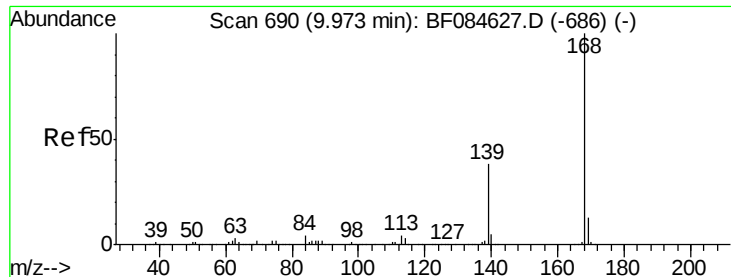
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#51
Acenaphthene
Concen: 5.63 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF084685.D
Acq: 30 Jan 2016 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	116369		
153	112.5		91.5	137.3
152	51.6		43.0	64.6





#54

Dibenzofuran

Concen: 5.05 ng

RT: 9.96 min Scan# 689

Delta R.T. -0.01 min

Lab File: BF084685.D

Acq: 30 Jan 2016 14:50

Instrument :

BNA_F

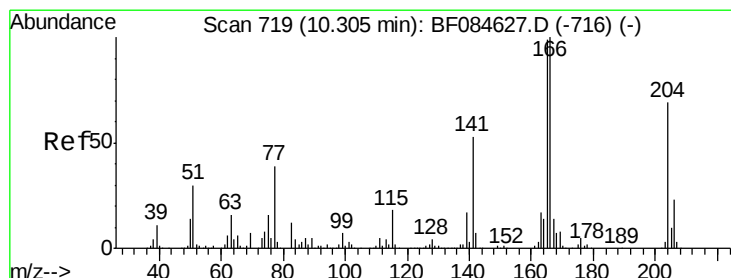
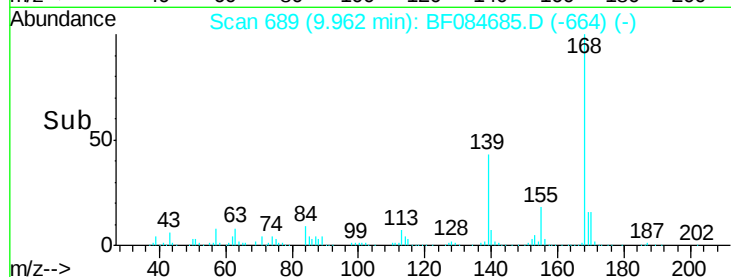
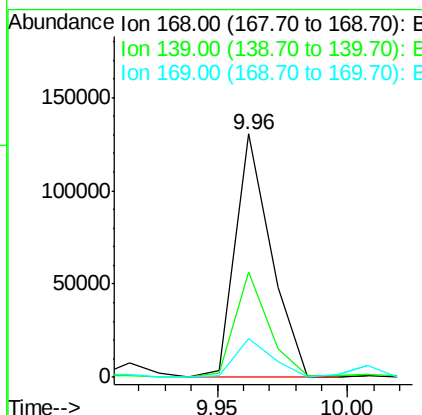
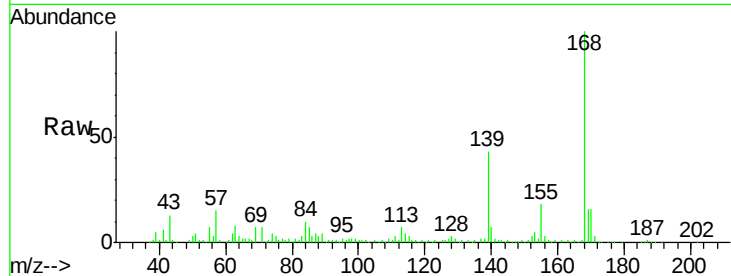
ClientSampleId :

SUP-B029(6-6.5)

Tot Ion:	168	Resp:	124616
Ion Ratio		Lower	Upper
168	100		
139	43.5	30.5	45.7
169	15.8	10.4	15.6

Manual Integrations
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#57

Fluorene

Concen: 7.66 ng

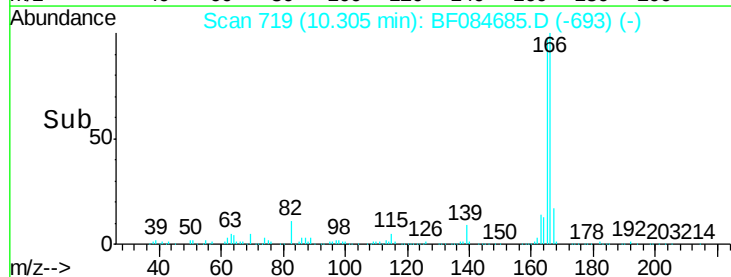
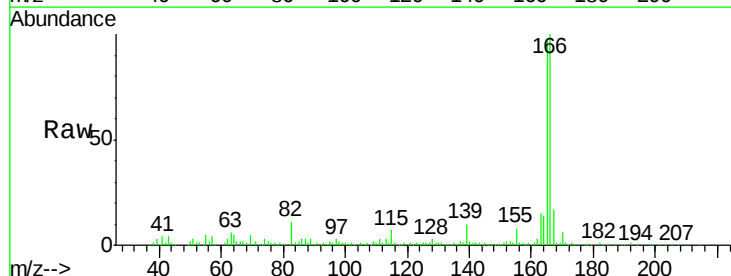
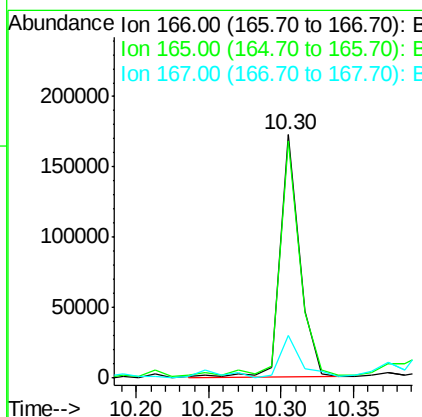
RT: 10.30 min Scan# 719

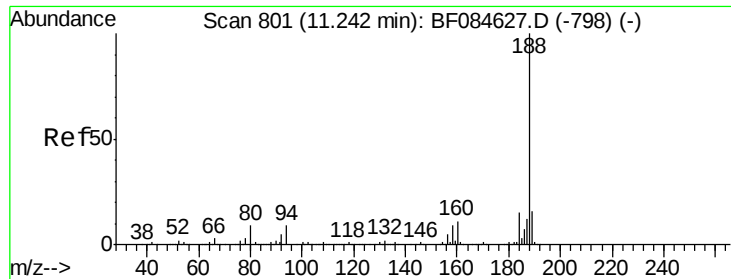
Delta R.T. -0.00 min

Lab File: BF084685.D

Acq: 30 Jan 2016 14:50

Tgt Ion:	166	Resp:	160246
Ion Ratio		Lower	Upper
166	100		
165	97.5	79.1	118.7
167	17.4	10.4	15.6





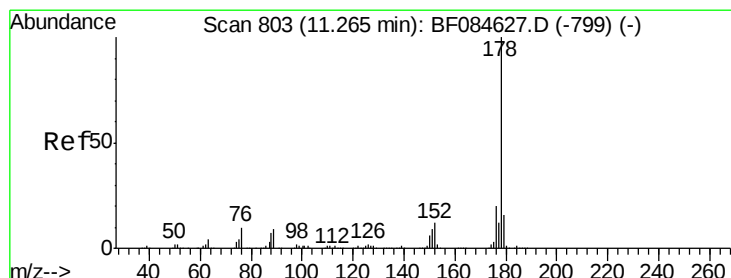
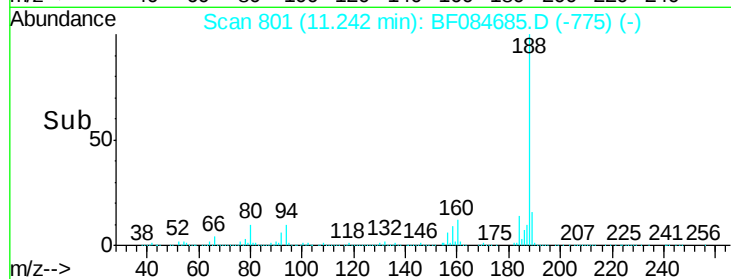
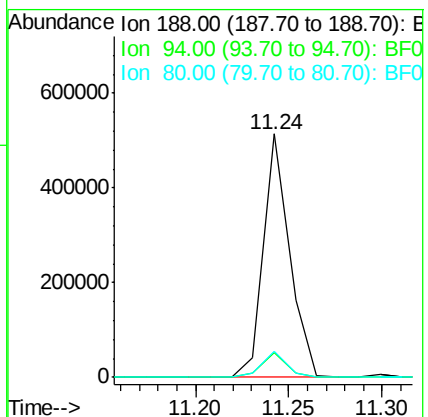
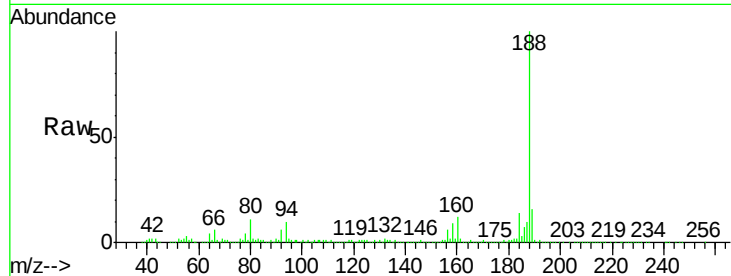
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF084685.D
Acq: 30 Jan 2016 14:50

Instrument :
BNA_F
ClientSampleId :
SUP-B029(6-6.5)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	495620		
94	10.3	9.0	13.4	
80	10.5	9.6	14.4	

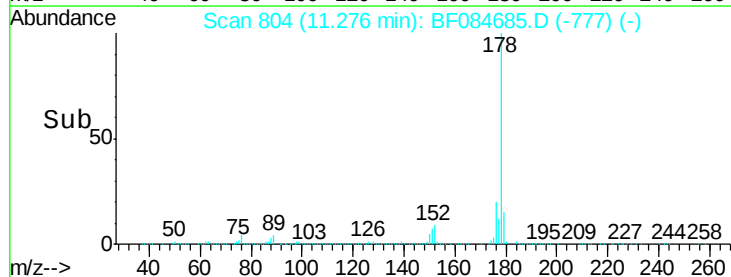
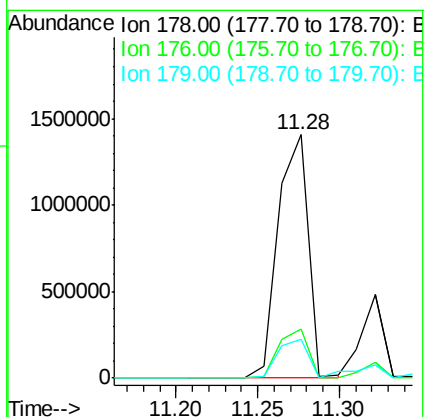
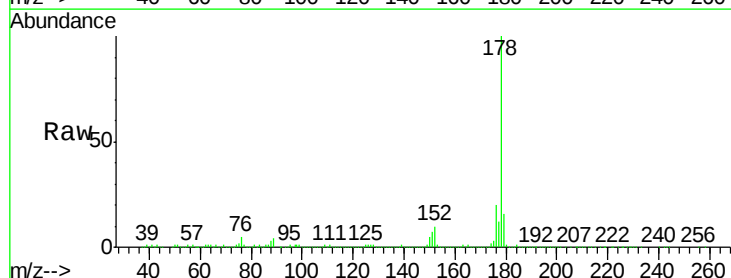
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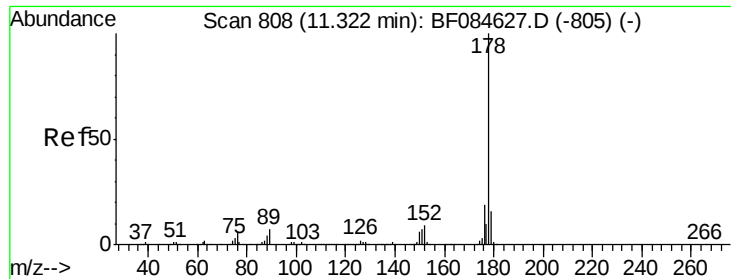
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#70
Phenanthrene
Concen: 65.67 ng
RT: 11.28 min Scan# 804
Delta R.T. 0.01 min
Lab File: BF084685.D
Acq: 30 Jan 2016 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1799789		
176	19.9	15.3	22.9	
179	15.7	12.0	18.0	





#71

Anthracene

Concen: 15.70 ng

RT: 11.32 min Scan# 808

Delta R.T. -0.00 min

Lab File: BF084685.D

Acq: 30 Jan 2016 14:50

Instrument :

BNA_F

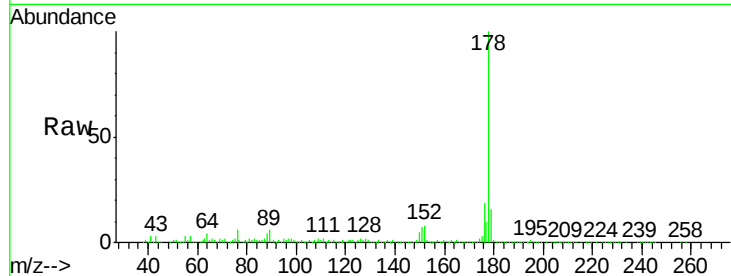
ClientSampled :

SUP-B029(6-6.5)

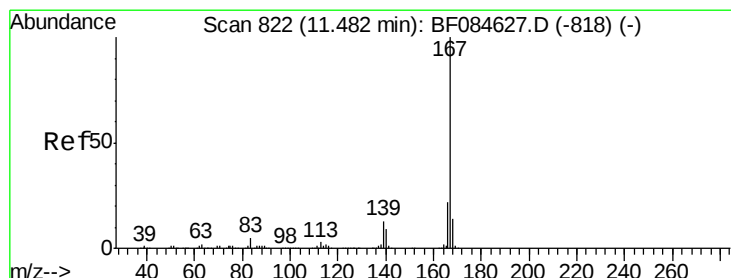
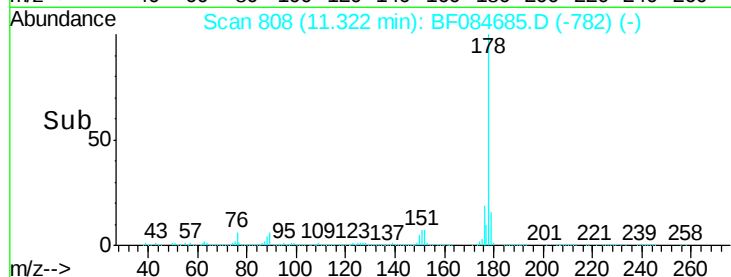
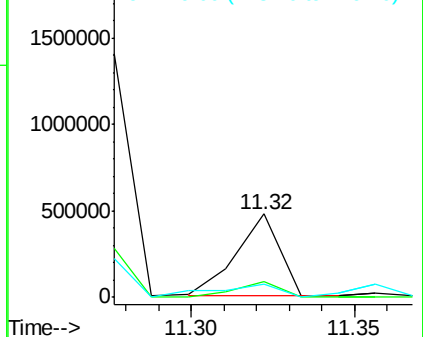
Tot Ion:	178	Resp:	437541
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.4	23.0
179	15.8	12.5	18.7

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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: 7.29 ng

RT: 11.48 min Scan# 822

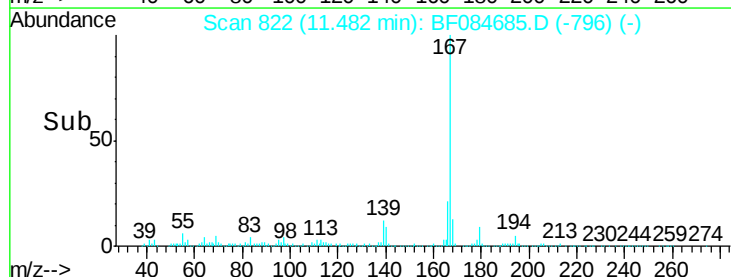
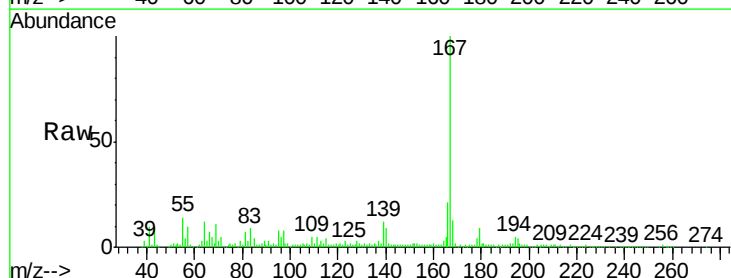
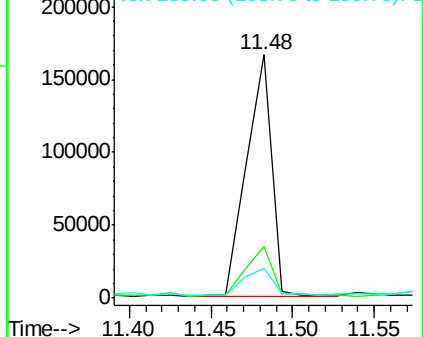
Delta R.T. -0.00 min

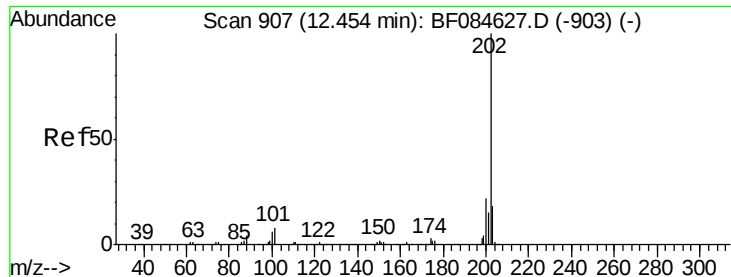
Lab File: BF084685.D

Acq: 30 Jan 2016 14:50

Tgt Ion:	167	Resp:	175093
Ion Ratio	Lower	Upper	
167	100		
166	21.5	17.6	26.4
139	12.4	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: 71.64 ng

RT: 12.47 min Scan# 908

Delta R.T. 0.01 min

Lab File: BF084685.D

Acq: 30 Jan 2016 14:50

Instrument :

BNA_F

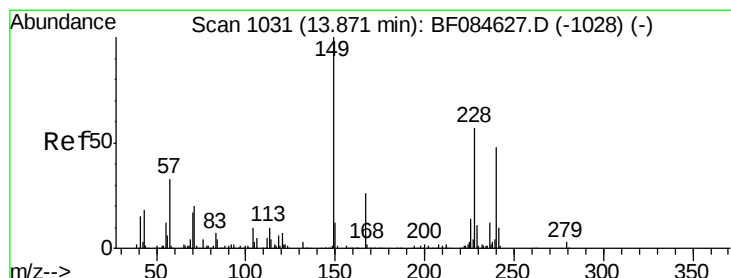
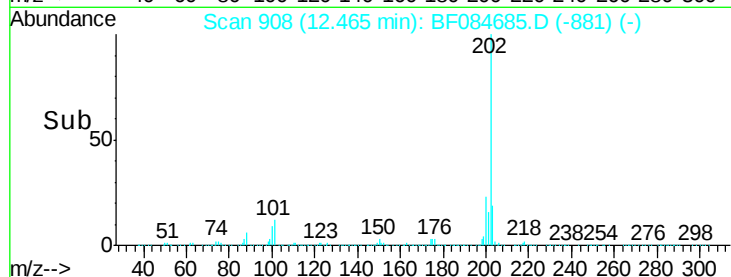
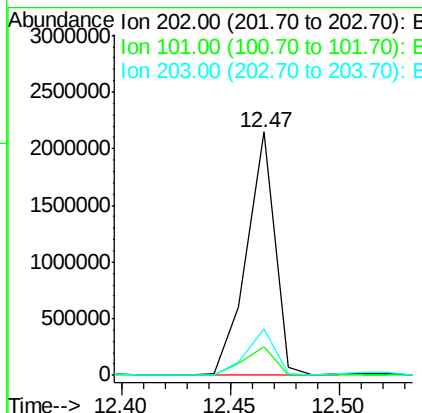
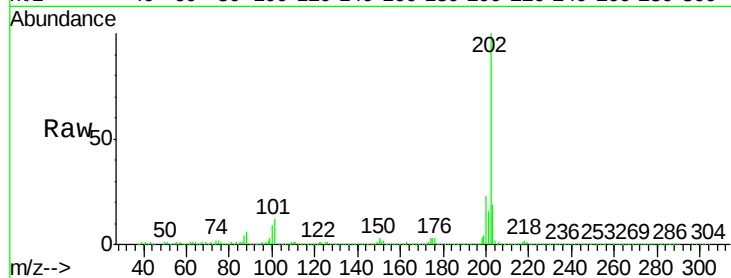
ClientSampleId :

SUP-B029(6-6.5)

Tot Ion:	202	Resp:	1941039
Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	32.8
203	19.3	0.0	37.9

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#75

Chrysene-d12

Concen: 20.00 ng

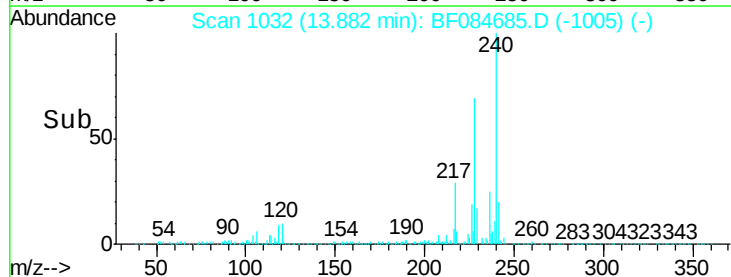
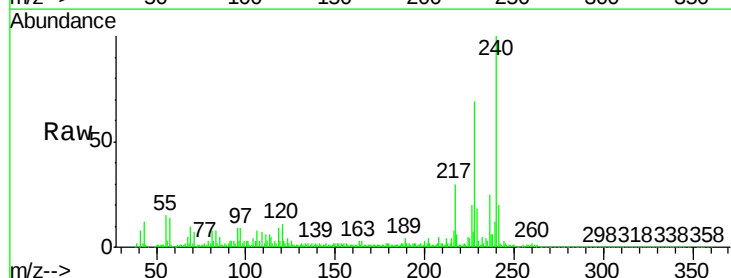
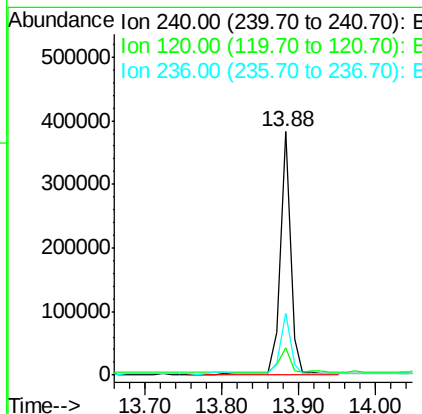
RT: 13.88 min Scan# 1032

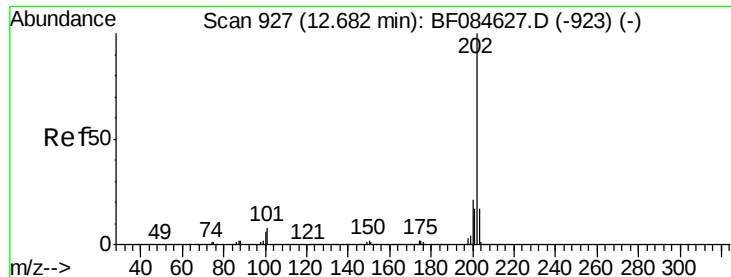
Delta R.T. 0.01 min

Lab File: BF084685.D

Acq: 30 Jan 2016 14:50

Tgt Ion:	240	Resp:	353734
Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.5	14.3
236	25.3	20.6	31.0





#77

Pvrene

Concen: 70.12 ng

RT: 12.69 min Scan# 928

Delta R.T. 0.01 min

Lab File: BF084685.D

Acq: 30 Jan 2016 14:50

Instrument :

BNA_F

ClientSampleId :

SUP-B029(6-6.5)

Tot Ion:202 Resp: 1870694

Ion Ratio Lower Upper

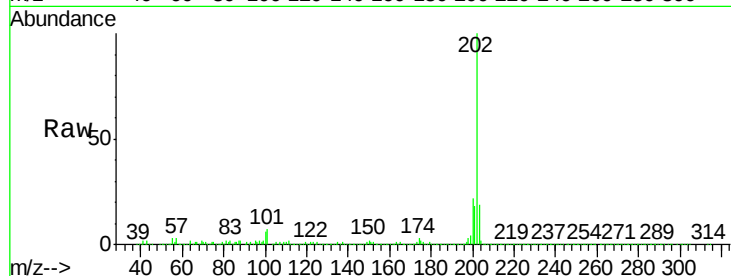
202 100

200 21.7 17.2 25.8

203 18.7 14.3 21.5

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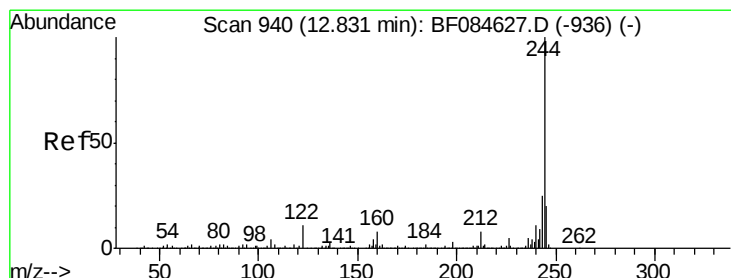
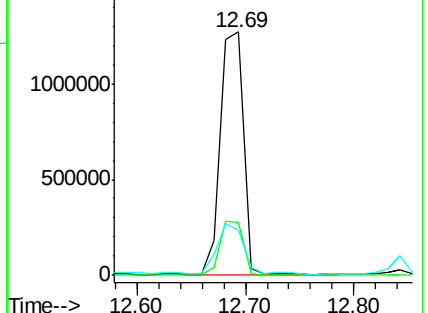
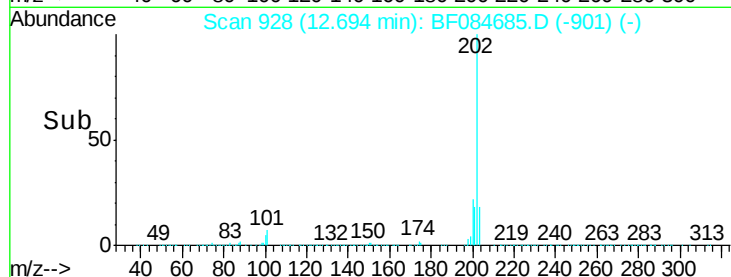
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 63.22 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.00 min

Lab File: BF084685.D

Acq: 30 Jan 2016 14:50

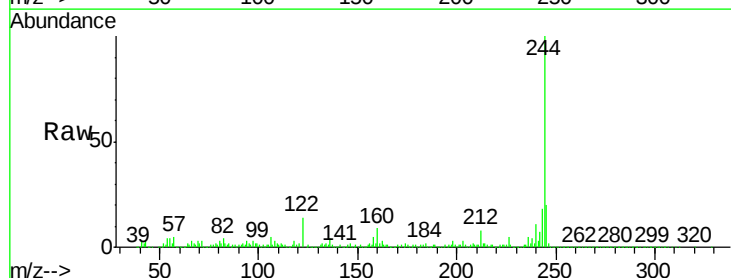
Tgt Ion:244 Resp: 990213

Ion Ratio Lower Upper

244 100

212 7.8 5.7 8.5

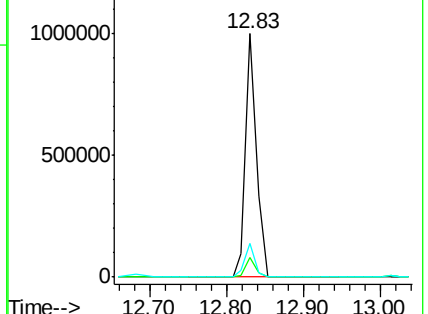
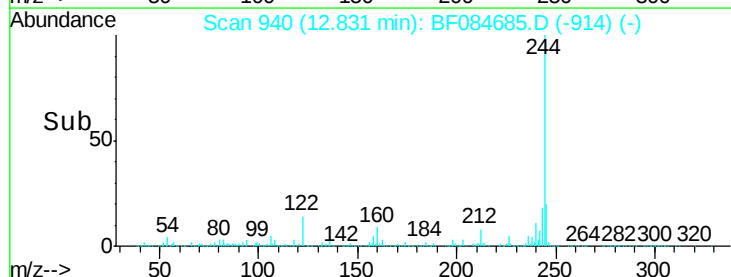
122 13.9 7.4 11.0#

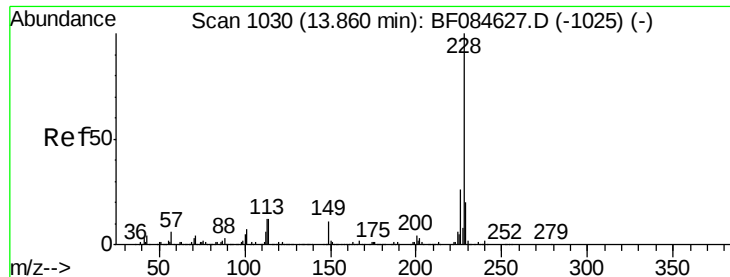


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





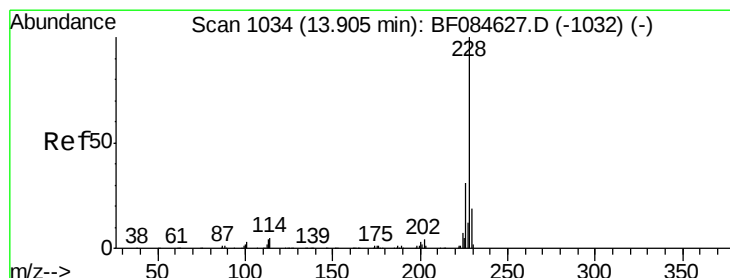
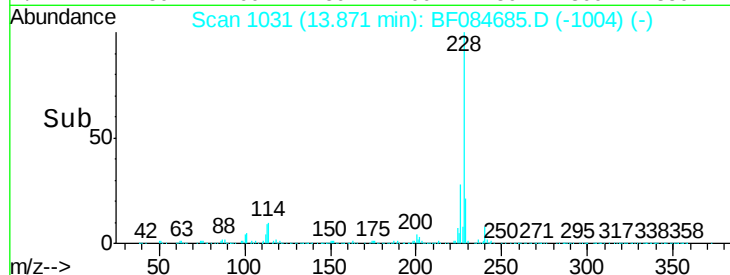
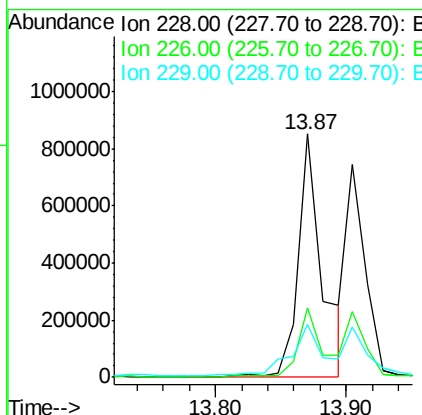
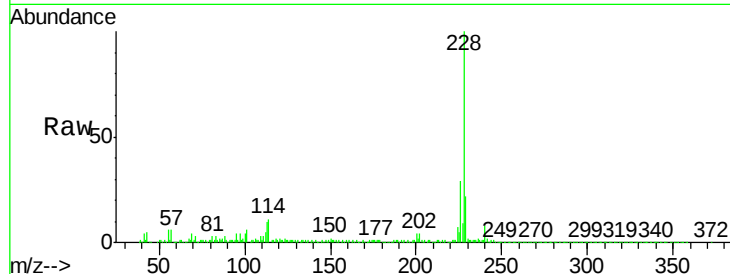
#80
Benzo(a)anthracene
Concen: 48.93 ng
RT: 13.87 min Scan# 1031
Delta R.T. 0.01 min
Lab File: BF084685.D
Acq: 30 Jan 2016 14:50

Instrument :
BNA_F
ClientSampleId :
SUP-B029(6-6.5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	21.8	32.6
229	21.6	15.8	23.8

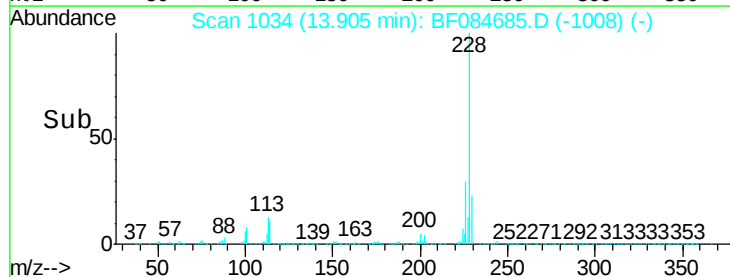
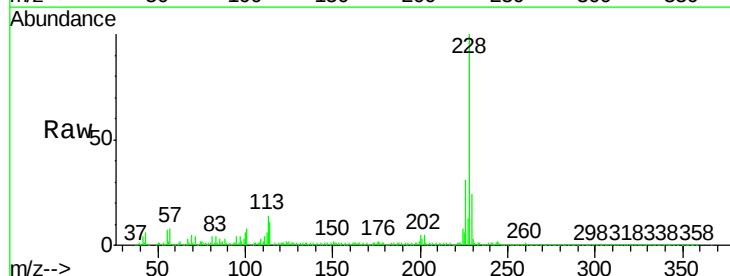
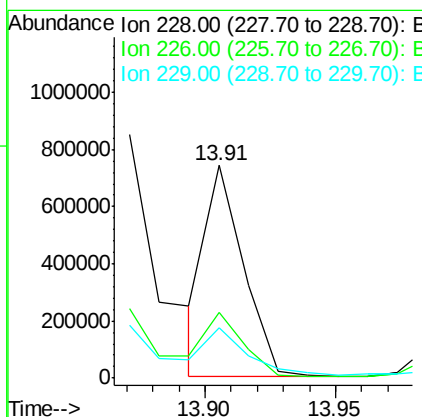
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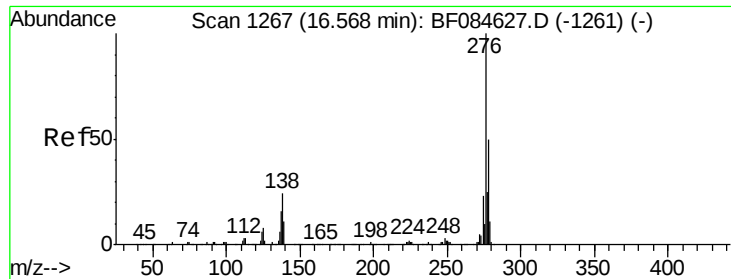
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#82
Chrysene
Concen: 34.18 ng
RT: 13.91 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BF084685.D
Acq: 30 Jan 2016 14:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.3	36.5
229	23.9	16.1	24.1





#85

Indeno(1,2,3-cd)pyrene

Concen: 34.36 ng

RT: 16.59 min Scan# 1269

Delta R.T. 0.02 min

Lab File: BF084685.D

Acq: 30 Jan 2016 14:50

Instrument :

BNA_F

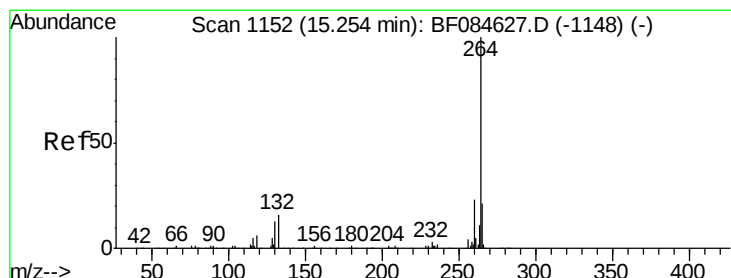
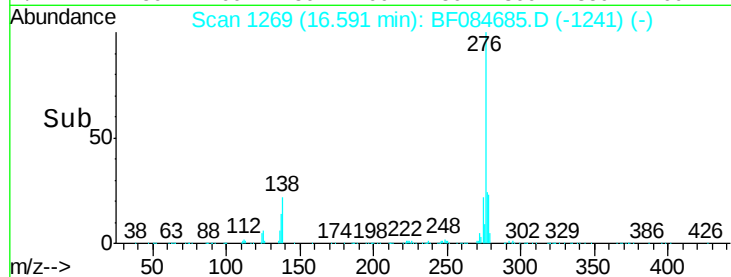
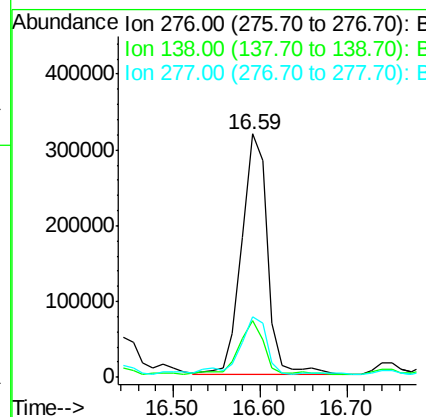
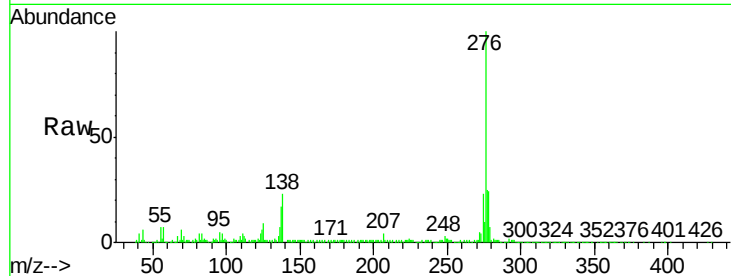
ClientSampleId :

SUP-B029(6-6.5)

Tot Ion	Ratio	Resp	Lower	Upper
276	100	660275		
138	21.0		20.6	30.8
277	25.4		20.1	30.1

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#86

Perylene-d12

Concen: 20.00 ng

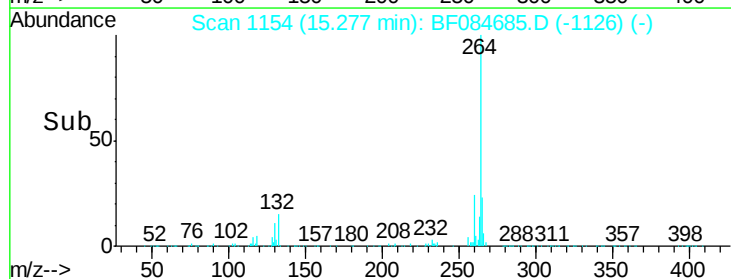
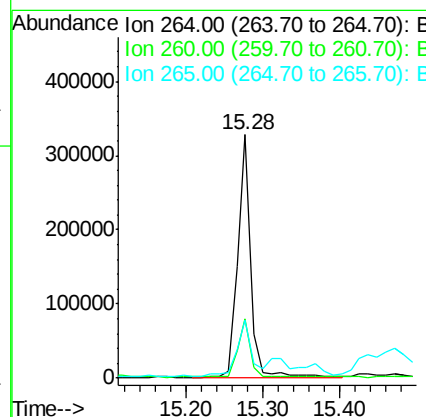
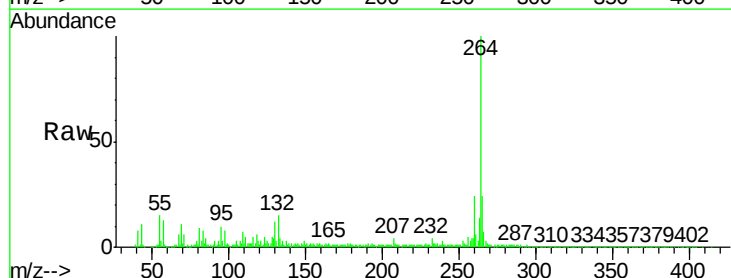
RT: 15.28 min Scan# 1154

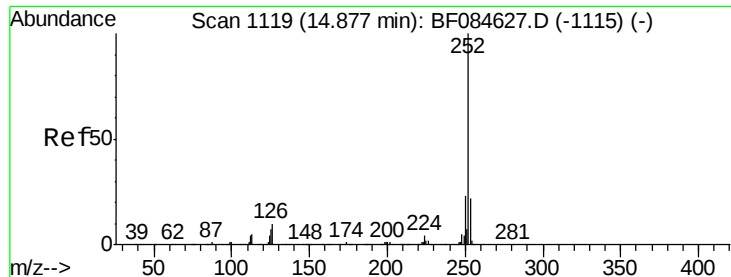
Delta R.T. 0.02 min

Lab File: BF084685.D

Acq: 30 Jan 2016 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	398220		
260	24.5		19.4	29.2
265	23.8		17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 44.40 ng m

RT: 14.89 min Scan# 1120

Delta R.T. 0.01 min

Lab File: BF084685.D

Acq: 30 Jan 2016 14:50

Instrument :

BNA_F

ClientSampleId :

SUP-B029(6-6.5)

Tot Ion:252 Resp: 1144816

Ion Ratio Lower Upper

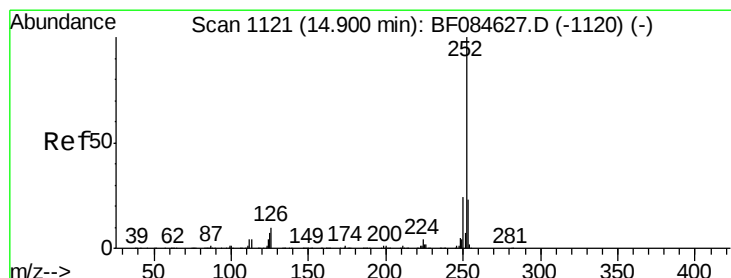
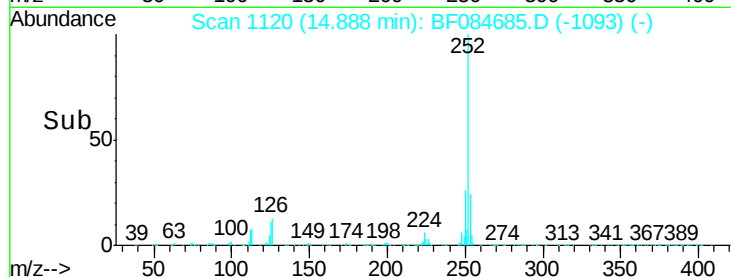
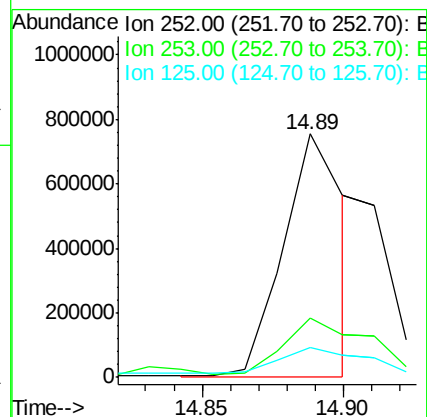
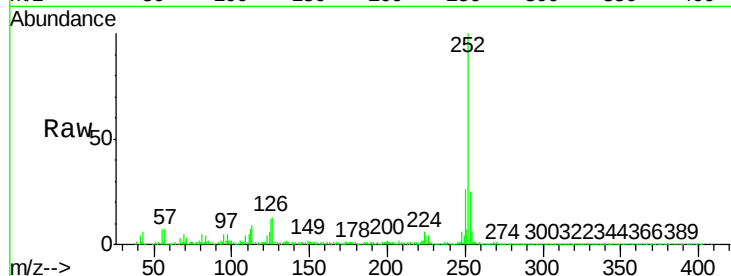
252 100

253 24.6 17.3 25.9

125 12.5 6.5 9.7#

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#88

Benzo(k)fluoranthene

Concen: 21.78 ng m

RT: 14.90 min Scan# 1121

Delta R.T. -0.00 min

Lab File: BF084685.D

Acq: 30 Jan 2016 14:50

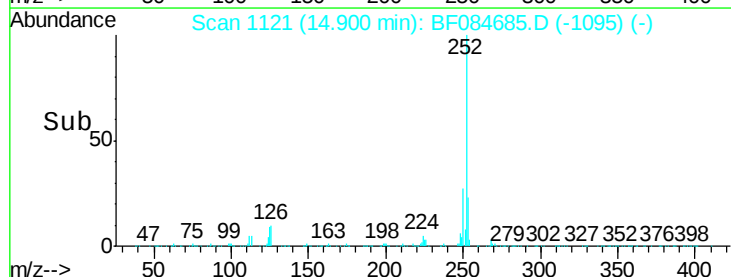
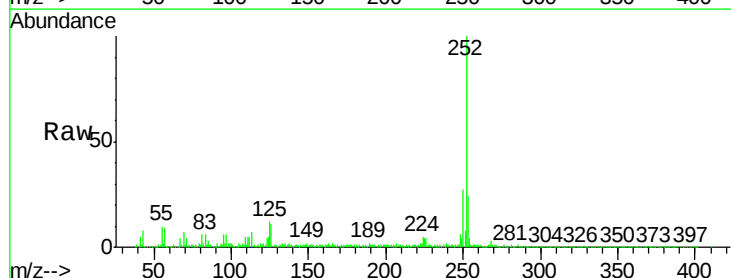
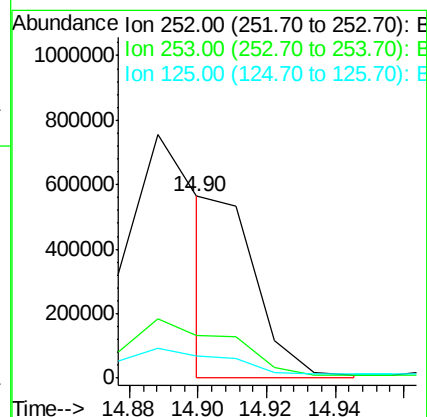
Tgt Ion:252 Resp: 463980

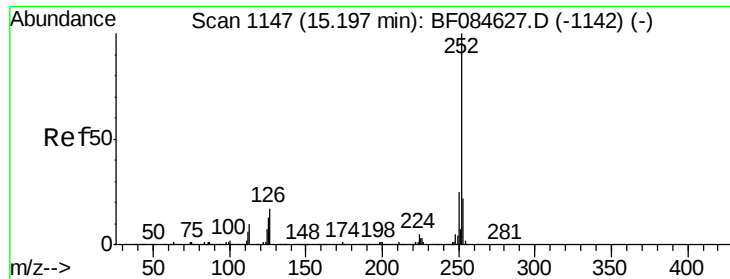
Ion Ratio Lower Upper

252 100

253 23.5 18.1 27.1

125 12.0 9.0 13.6





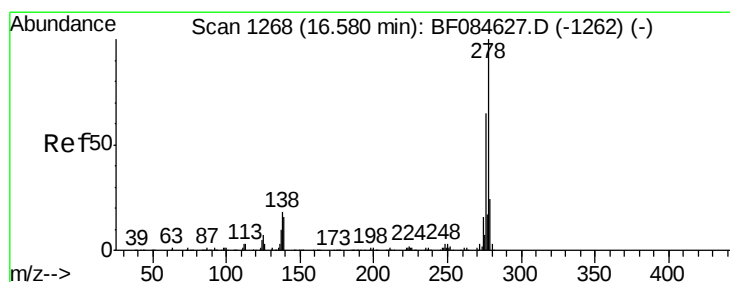
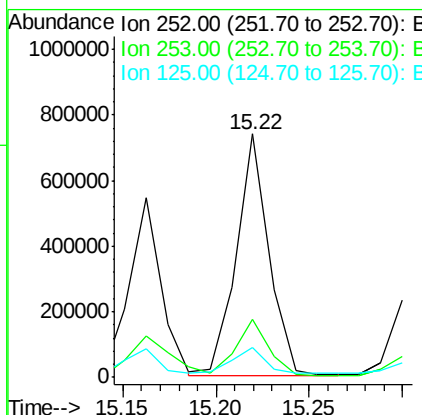
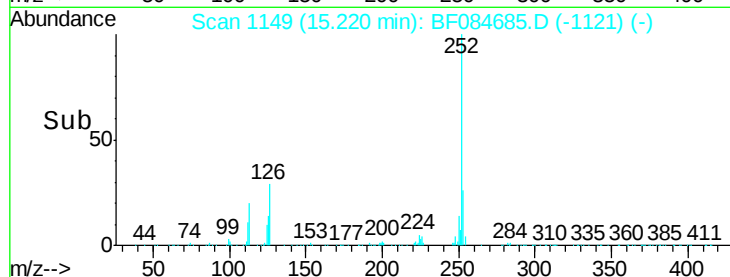
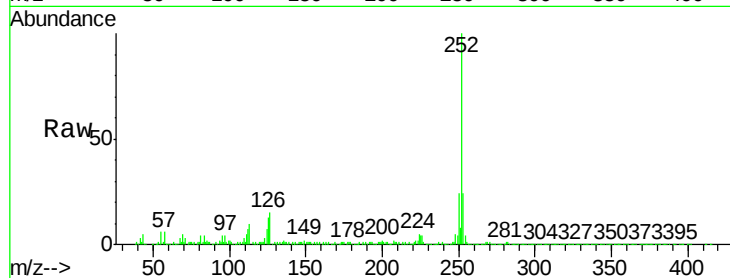
#89
Benzo(a)pyrene
Concen: 40.57 ng
RT: 15.22 min Scan# 1149
Delta R.T. 0.02 min
Lab File: BF084685.D
Acq: 30 Jan 2016 14:50

Instrument :
BNA_F
ClientSampleId :
SUP-B029(6-6.5)

Tot Ion	Ratio	Resp	Lower	Upper
252	100	904947		
253	24.0	17.3	25.9	
125	12.5	7.0	10.4	

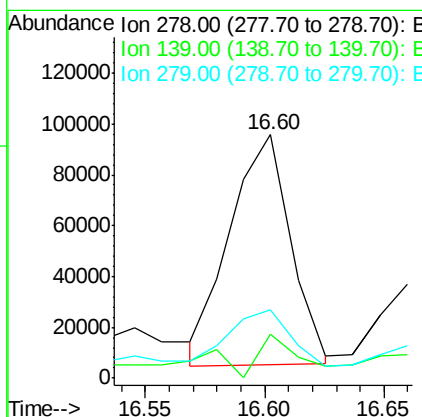
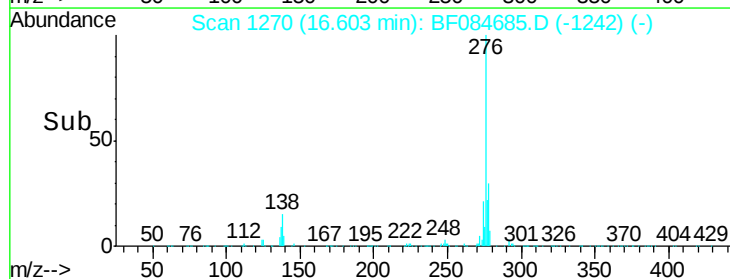
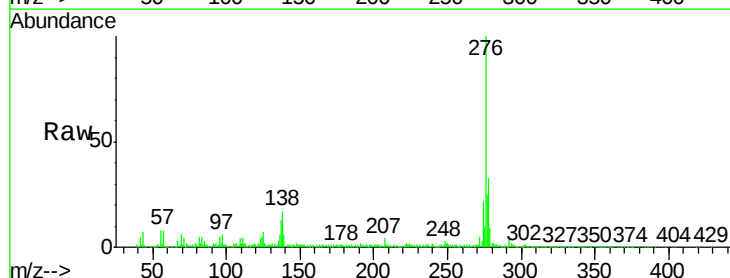
Manual Integrations
APPROVED

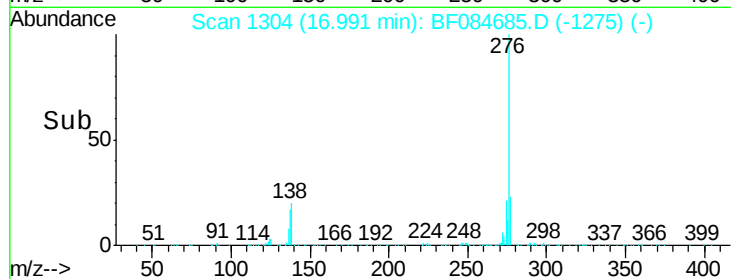
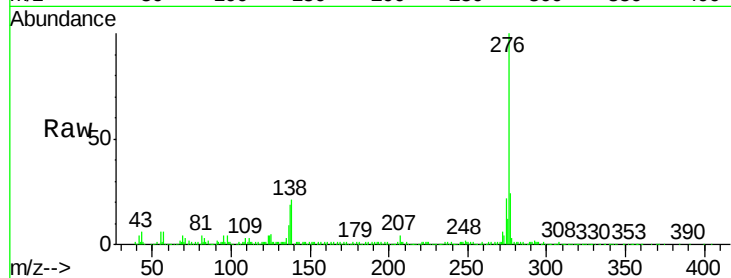
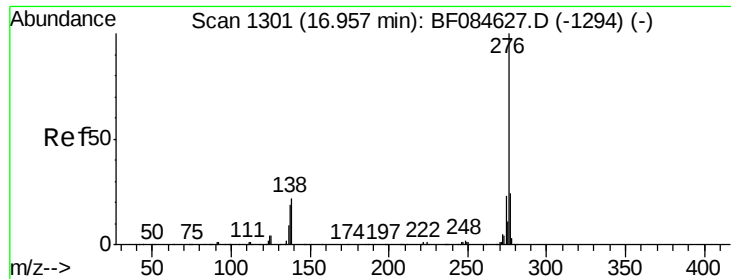
mohammad
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#90
Dibenzo(a,h)anthracene
Concen: 7.97 ng m
RT: 16.60 min Scan# 1270
Delta R.T. 0.02 min
Lab File: BF084685.D
Acq: 30 Jan 2016 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	160293		
139	18.2	15.0	22.4	
279	27.9	18.9	28.3	





#91

Benzo(a,h,i)perylene

Concen: 30.94 ng

RT: 16.99 min Scan# 1304

Delta R.T. 0.03 min

Lab File: BF084685.D

Acq: 30 Jan 2016 14:50

Instrument :

BNA_F

ClientSampleId :

SUP-B029(6-6.5)

Tot Ion: 276 Resp: 627878

Ion Ratio Lower Upper

276 100

277 23.9 18.8 28.2

138 21.5 17.8 26.6

Manual Integrations

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