

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013016\
 Data File : BF084682.D
 Acq On : 30 Jan 2016 13:27
 Operator : SJ/IZ
 Sample : H1272-08
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B013(15-16)

Manual Integrations
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Quant Time: Feb 01 02:25:22 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	176544	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	684875	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	287020	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	491886	20.00	ng	0.00
75) Chrysene-d12	13.87	240	326909	20.00	ng	0.00
86) Perylene-d12	15.27	264	353611	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1221159	104.41	ng	0.01
7) Phenol-d6	6.37	99	1452275	103.60	ng	0.00
23) Nitrobenzene-d5	7.29	82	980807	80.03	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	282048	93.76	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	1655355	85.73	ng	0.00
78) Terphenyl-d14	12.83	244	1070675	73.97	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.48	163	236722	10.99	ng	# 90
70) Phenanthrene	11.26	178	632292	23.25	ng	98
71) Anthracene	11.31	178	108191	3.91	ng	98
74) Fluoranthene	12.45	202	569155	21.17	ng	92
77) Pyrene	12.67	202	543303	22.03	ng	98
79) Butylbenzylphthalate	13.31	149	30707	2.92	ng	# 90
80) Benzo(a)anthracene	13.86	228	303379	14.89	ng	97
82) Chrysene	13.89	228	223404	11.12	ng	98
83) Bis(2-ethylhexyl)phthalate	13.87	149	41009	3.00	ng	# 94
85) Indeno(1,2,3-cd)pyrene	16.57	276	151416	8.53	ng	98
87) Benzo(b)fluoranthene	14.88	252	310831m	13.58	ng	
88) Benzo(k)fluoranthene	14.89	252	97452m	5.15	ng	
89) Benzo(a)pyrene	15.20	252	226607	11.44	ng	# 92
90) Dibenzo(a,h)anthracene	16.57	278	38733m	2.17	ng	
91) Benzo(a,h,i)perylene	16.96	276	152729	8.47	ng	99

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

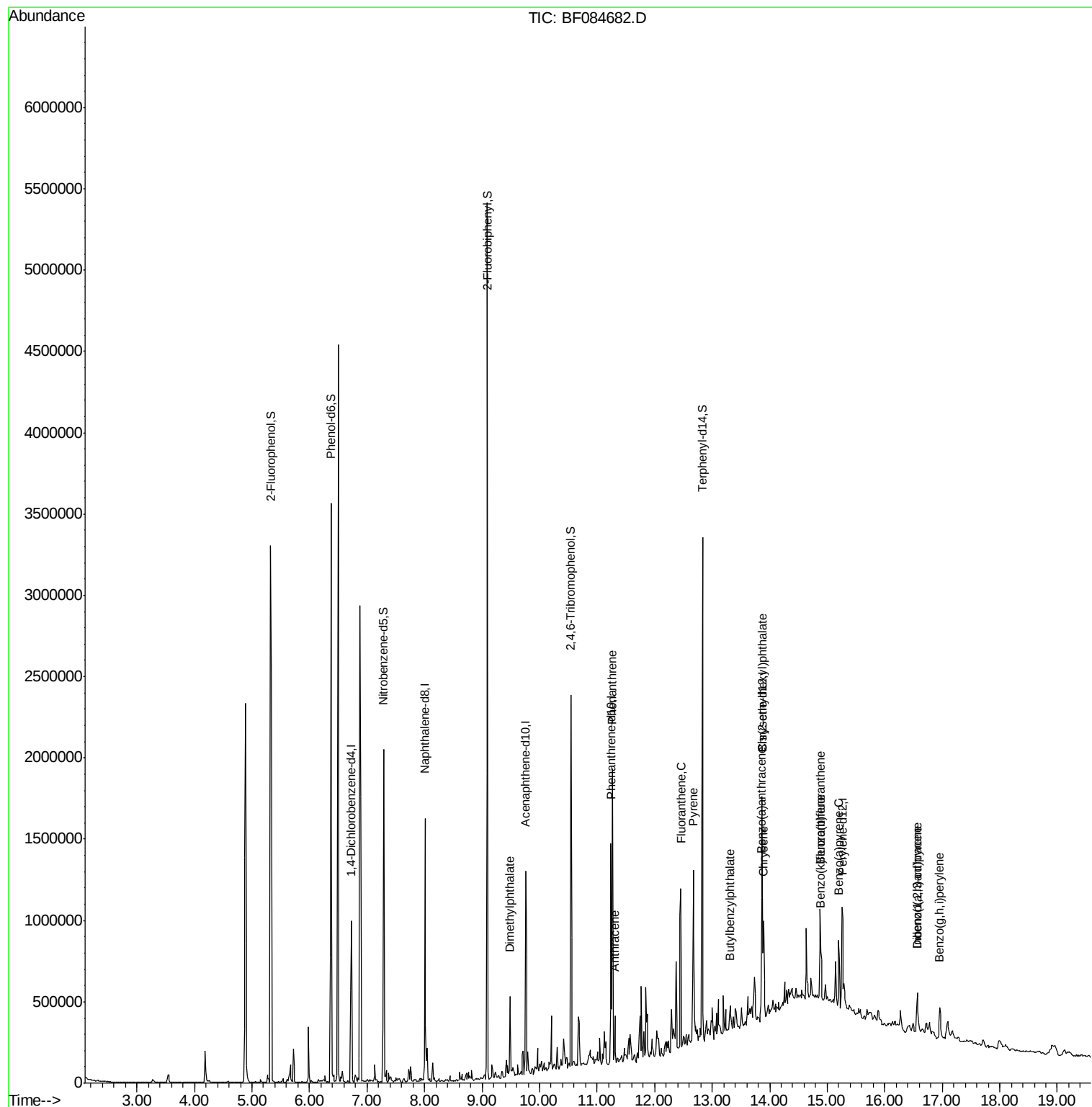
Data Path : Z:\HPCHEM1\BNA F\DATA\BF013016\
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ALS Vial : 43 Sample Multiplier: 1

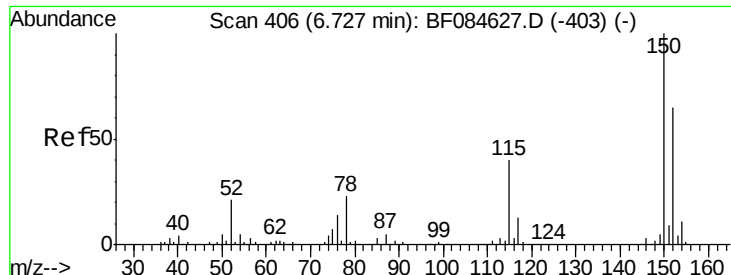
Instrument :
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SUP-B013(15-16)

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Quant Time: Feb 01 02:25:22 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

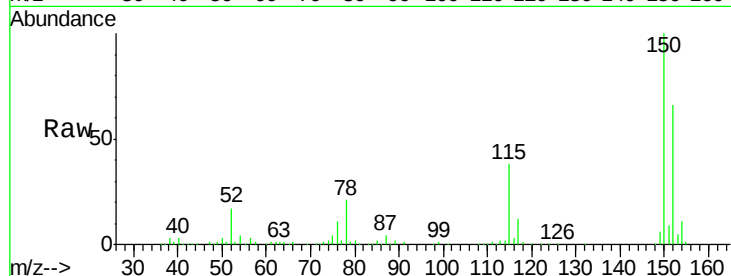
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 406
Delta R.T. -0.00 min
Lab File: BF084682.D
Acq: 30 Jan 2016 13:27

Instrument :
BNA_F
ClientSampleId :
SUP-B013(15-16)

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.0	123.0	184.4
115	57.5	51.4	77.2

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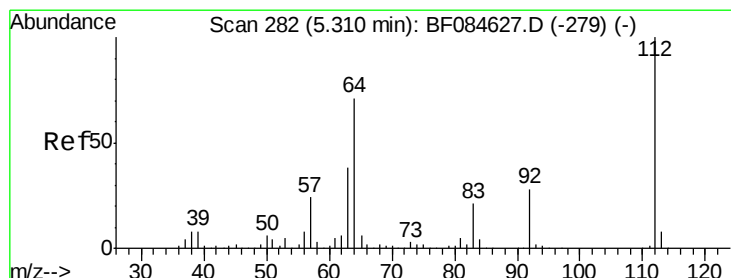
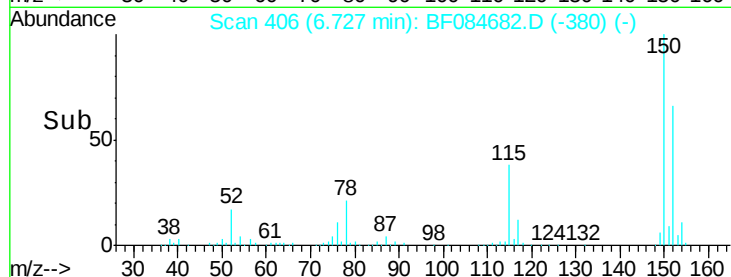
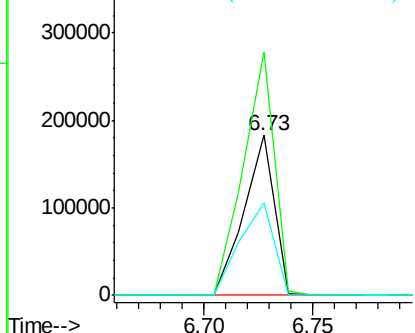


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

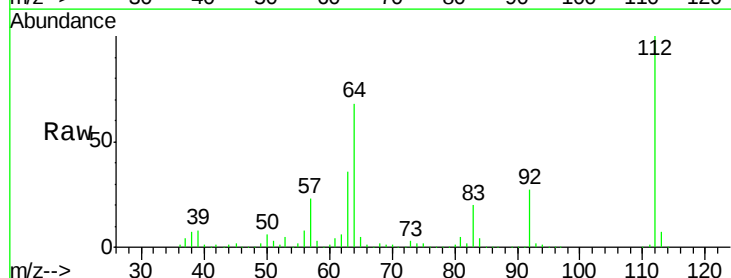
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 104.41 ng
RT: 5.32 min Scan# 283
Delta R.T. 0.01 min
Lab File: BF084682.D
Acq: 30 Jan 2016 13:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.8	36.6	55.0#
63	35.7	19.4	29.0#

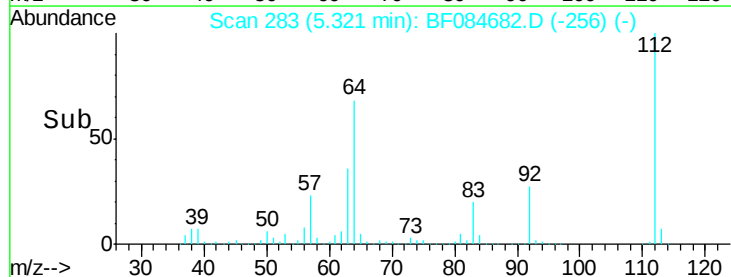
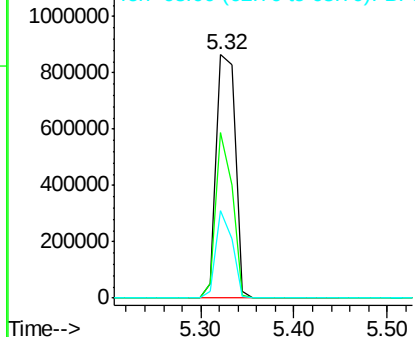


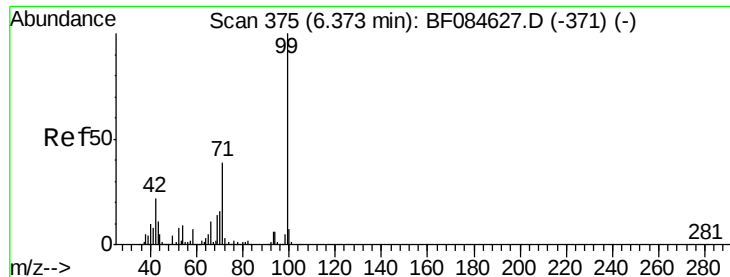
Abundance

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: 103.60 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF084682.D

Acq: 30 Jan 2016 13:27

Instrument :

BNA_F

ClientSampleId :

SUP-B013(15-16)

Tot Ion: 99 Resp: 1452275

Ion Ratio Lower Upper

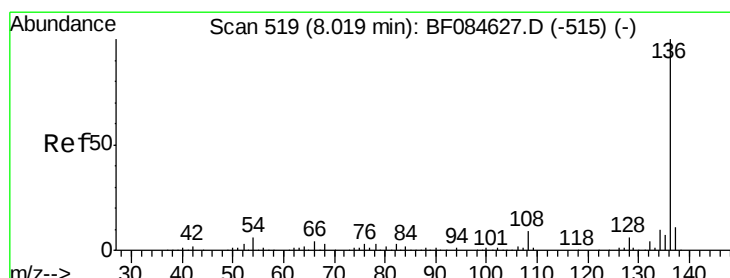
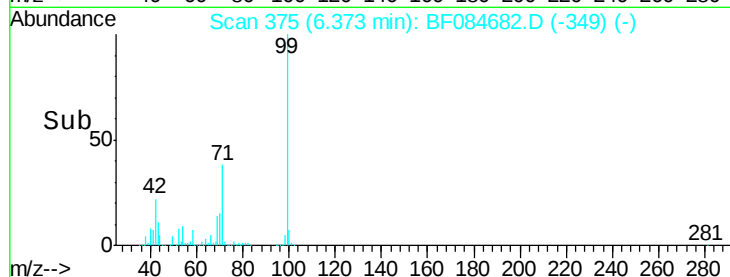
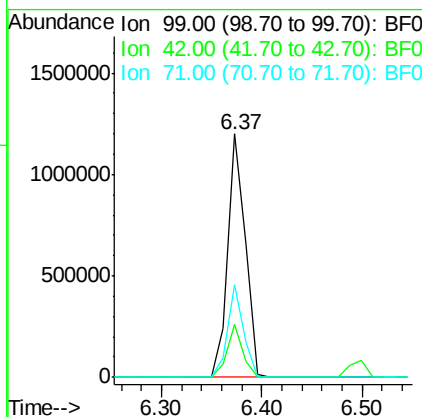
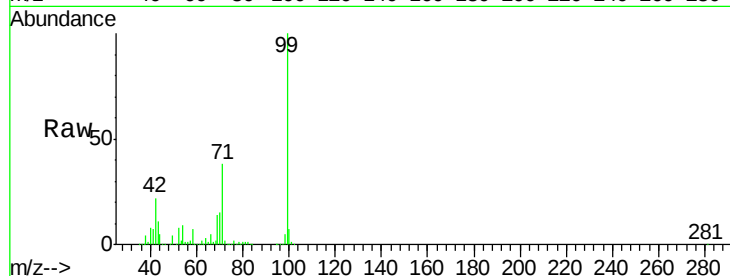
99 100

42 21.9 12.8 19.2#

71 38.2 30.9 46.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.01 min

Lab File: BF084682.D

Acq: 30 Jan 2016 13:27

Tgt Ion: 136 Resp: 684875

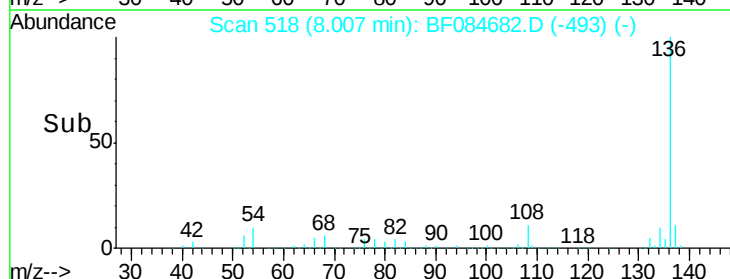
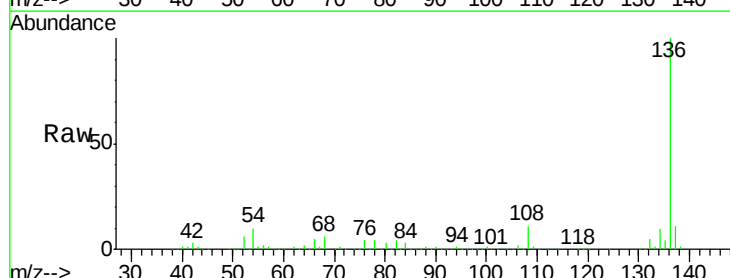
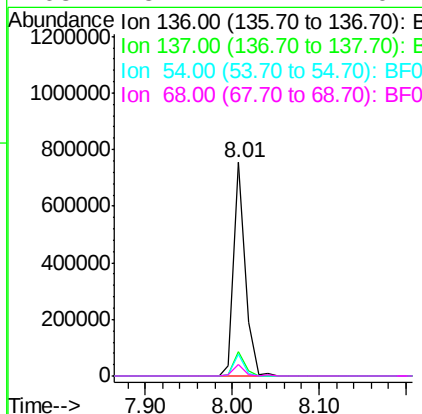
Ion Ratio Lower Upper

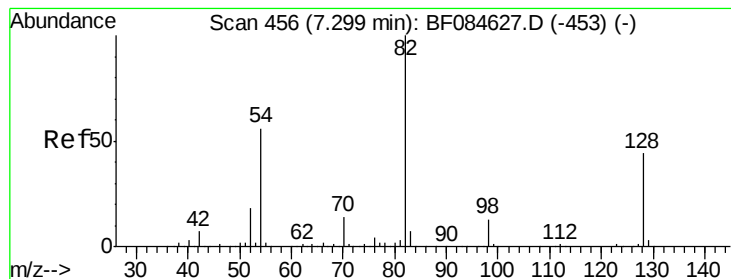
136 100

137 11.2 8.7 13.1

54 10.3 5.8 8.8#

68 5.7 4.2 6.2





#23

Nitrobenzene-d5

Concen: 80.03 ng

RT: 7.29 min Scan# 455

Delta R.T. -0.01 min

Lab File: BF084682.D

Acq: 30 Jan 2016 13:27

Instrument :

BNA_F

ClientSampleId :

SUP-B013(15-16)

Tot Ion: 82 Resp: 980807

Ion Ratio Lower Upper

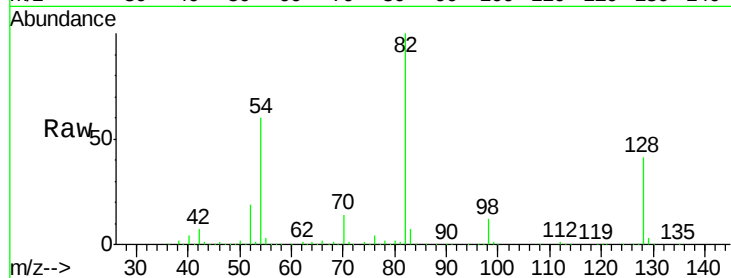
82 100

128 40.8 34.6 51.8

54 60.3 38.4 57.6#

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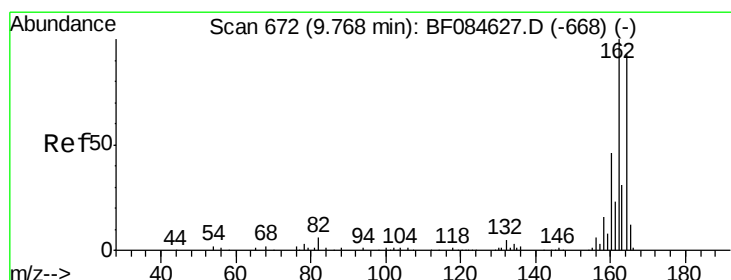
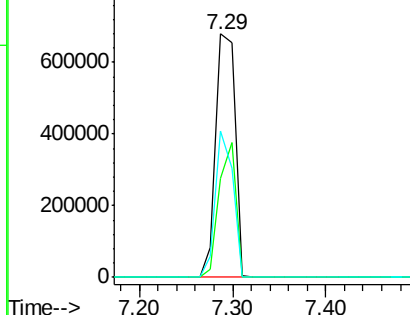
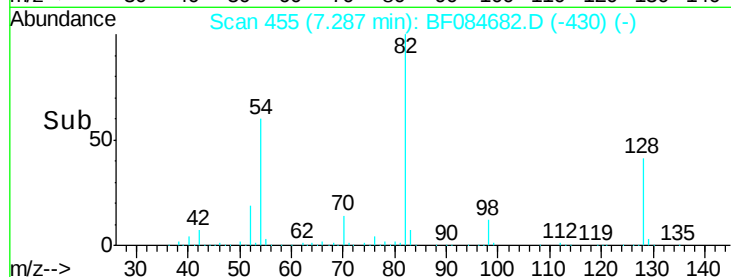
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Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.01 min

Lab File: BF084682.D

Acq: 30 Jan 2016 13:27

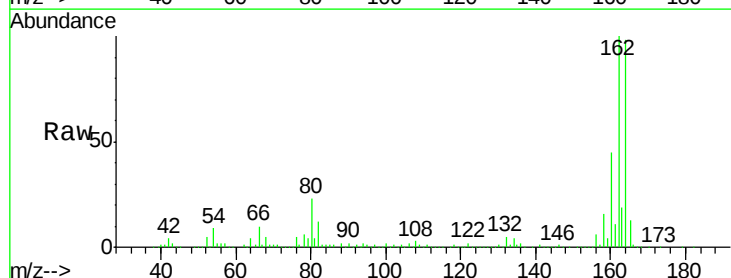
Tgt Ion:164 Resp: 287020

Ion Ratio Lower Upper

164 100

162 102.5 85.1 127.7

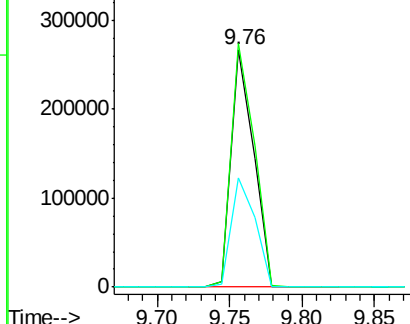
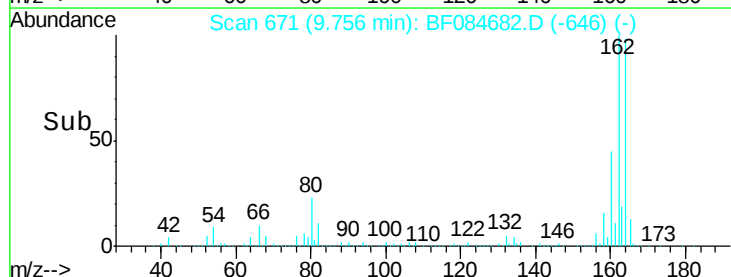
160 46.0 37.5 56.3

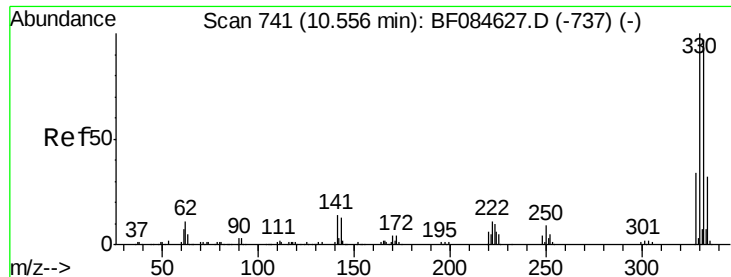


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





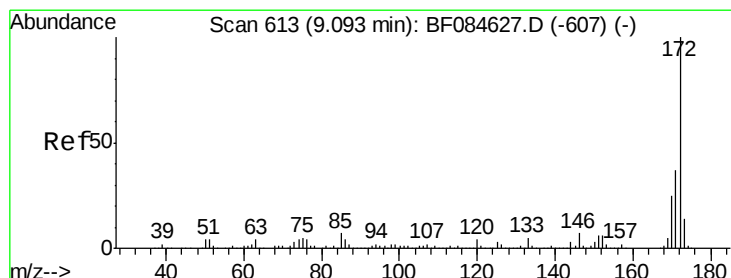
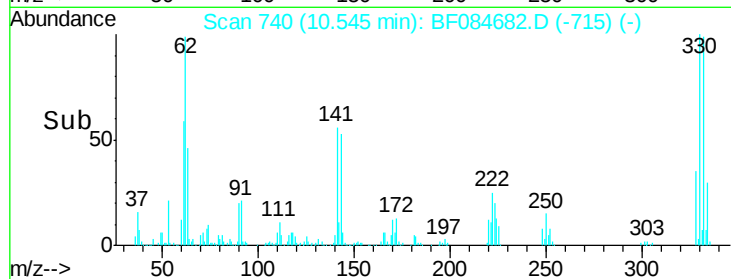
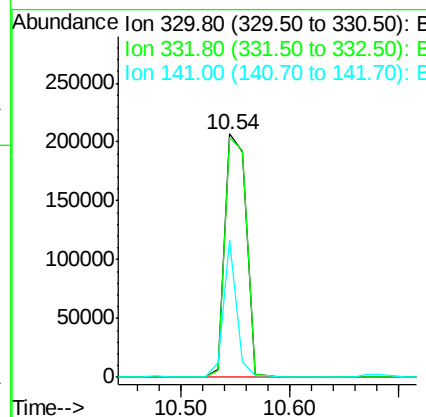
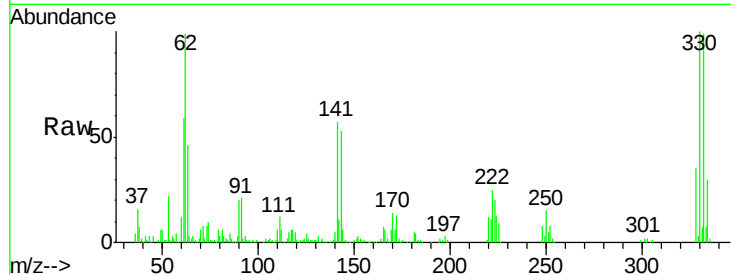
#41
 2,4,6-Tribromophenol
 Concen: 93.76 ng
 RT: 10.54 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF084682.D
 Acq: 30 Jan 2016 13:27

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B013(15-16)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	282048		
332	99.7	76.6	114.8	
141	35.3	27.8	41.6	

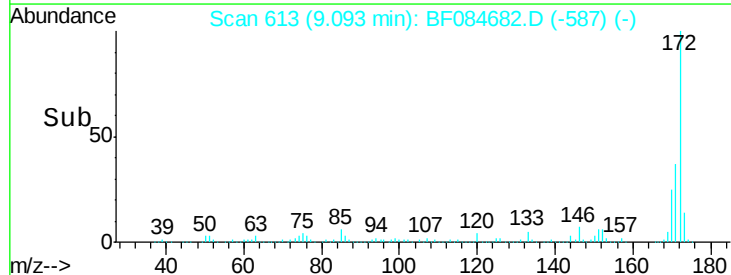
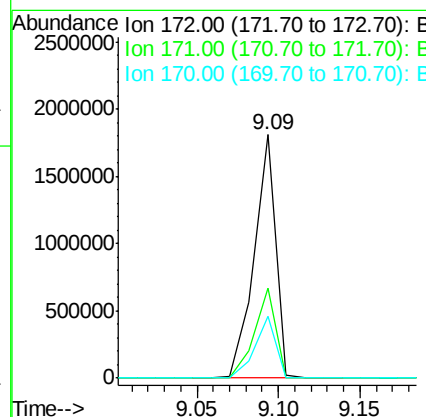
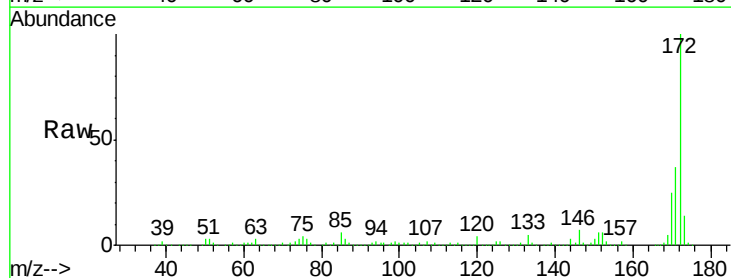
Manual Integrations
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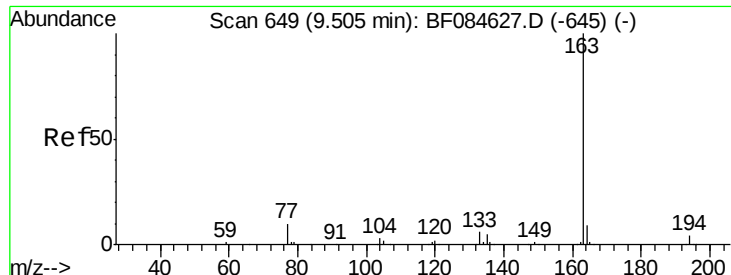
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#44
 2-Fluorobiphenyl
 Concen: 85.73 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF084682.D
 Acq: 30 Jan 2016 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1655355		
171	37.2	28.9	43.3	
170	25.5	18.6	27.8	





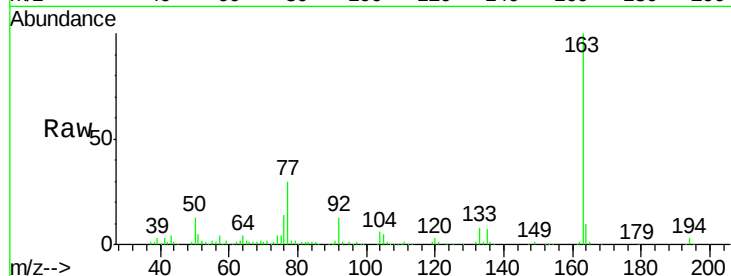
#49
Dimethylphthalate
Concen: 10.99 ng
RT: 9.48 min Scan# 647
Delta R.T. -0.02 min
Lab File: BF084682.D
Acq: 30 Jan 2016 13:27

Instrument :
BNA_F
ClientSampleId :
SUP-B013(15-16)

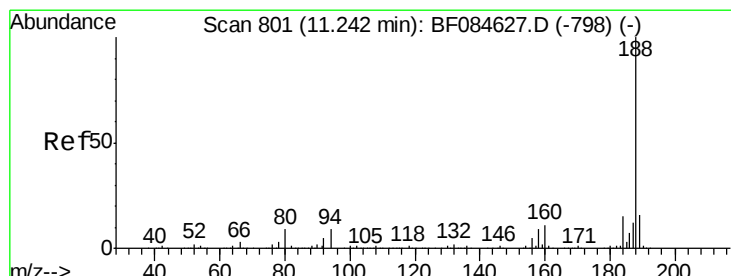
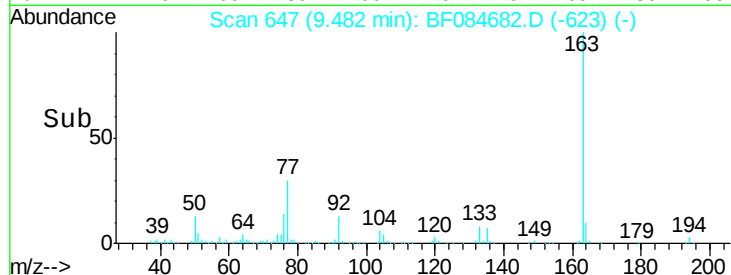
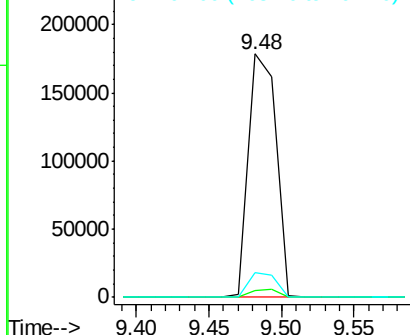
Tot Ion	Ratio	Resp	Lower	Upper
163	100	236722		
194	2.7	8.0	12.0#	
164	10.1	8.0	12.0	

Manual Integrations
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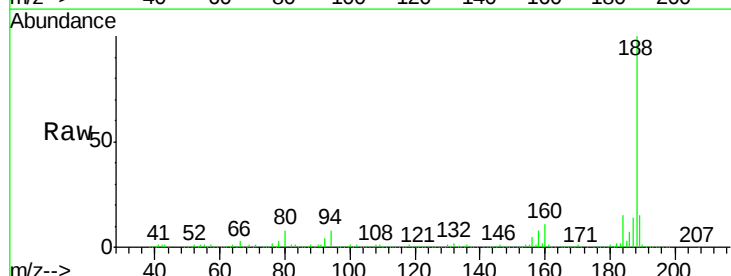


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

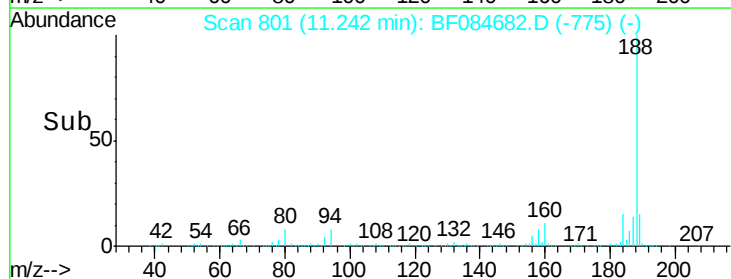
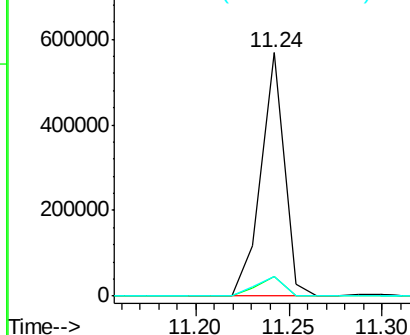


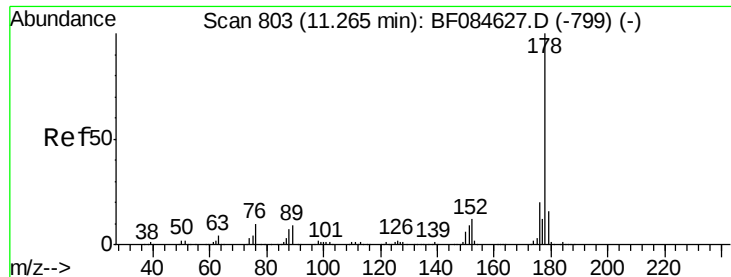
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF084682.D
Acq: 30 Jan 2016 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	491886		
94	7.9	9.0	13.4#	
80	8.1	9.6	14.4#	



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





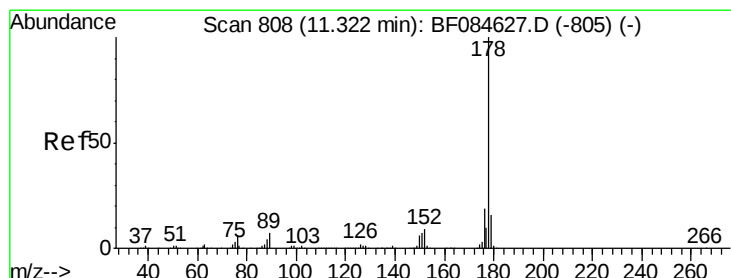
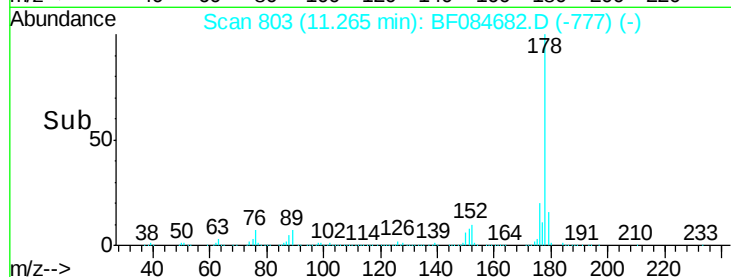
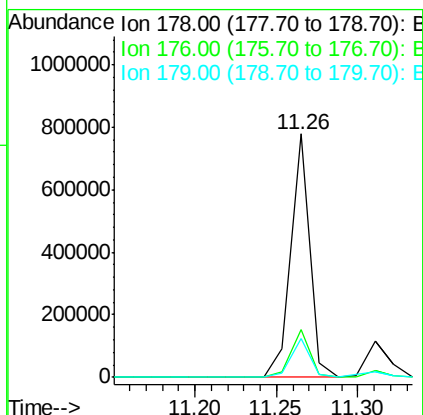
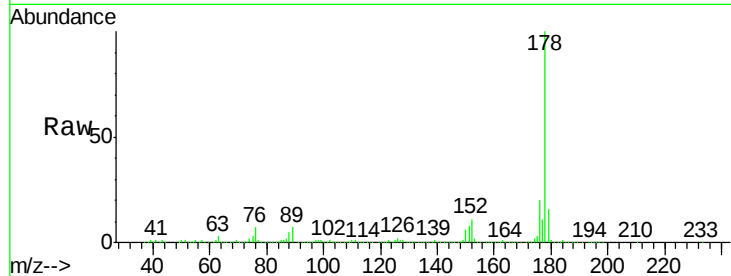
#70
Phenanthrene
Concen: 23.25 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF084682.D
Acq: 30 Jan 2016 13:27

Instrument :
BNA_F
ClientSampleId :
SUP-B013(15-16)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.3	22.9
179	16.0	12.0	18.0

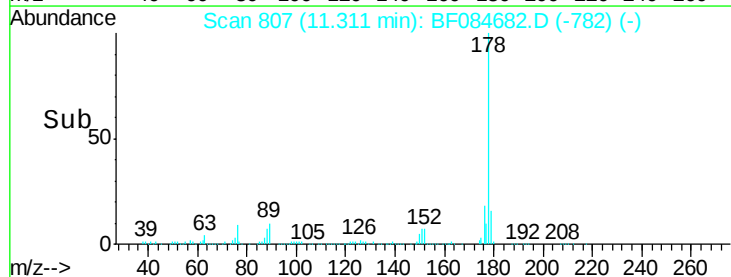
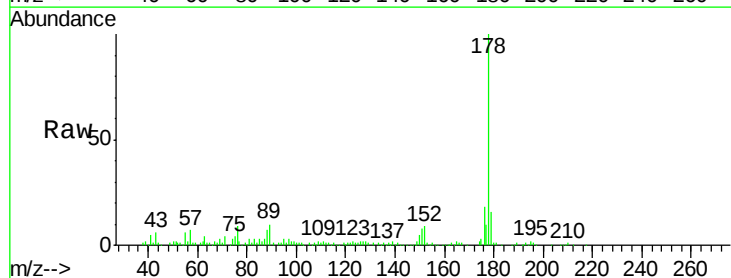
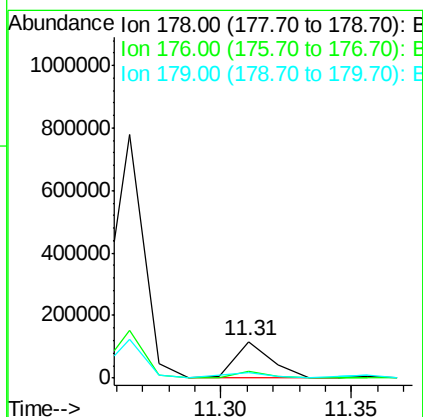
Manual Integrations
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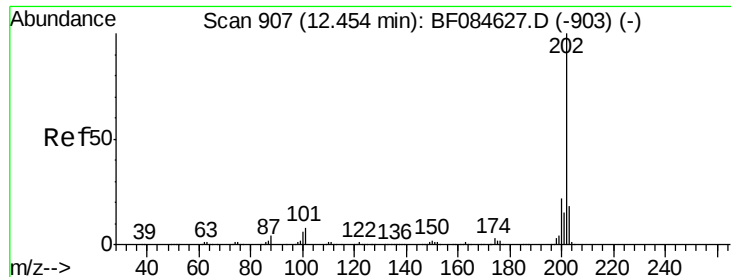
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#71
Anthracene
Concen: 3.91 ng
RT: 11.31 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF084682.D
Acq: 30 Jan 2016 13:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.0
179	16.3	12.5	18.7





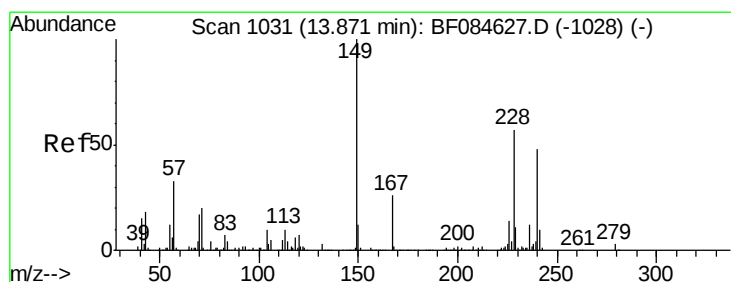
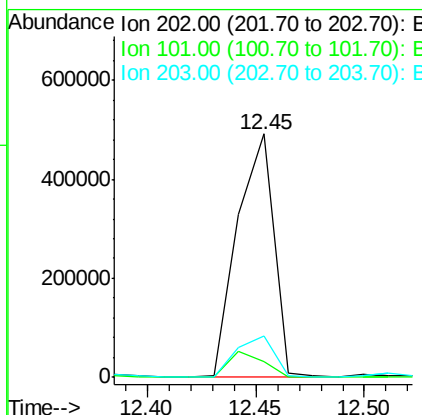
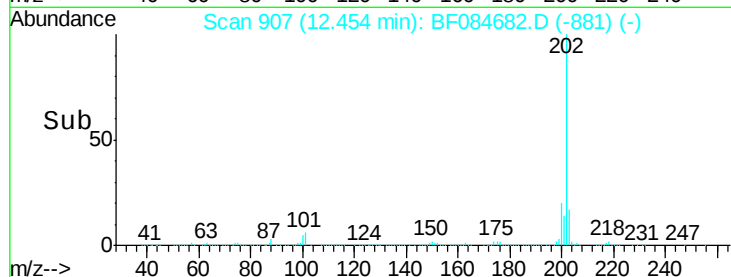
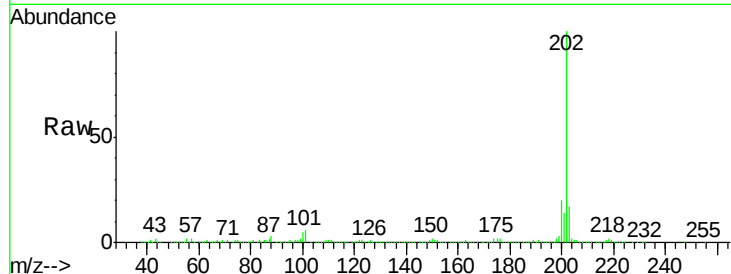
#74
 Fluoranthene
 Concen: 21.17 ng
 RT: 12.45 min Scan# 907
 Delta R.T. -0.00 min
 Lab File: BF084682.D
 Acq: 30 Jan 2016 13:27

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B013(15-16)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	6.3	0.0	32.8
203	17.2	0.0	37.9

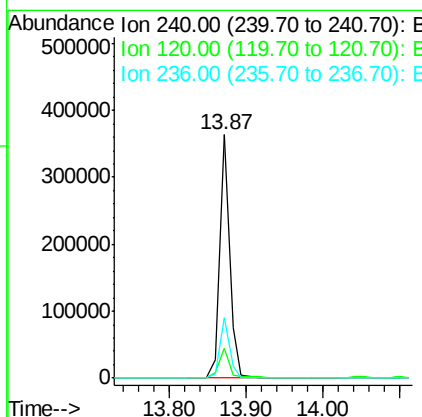
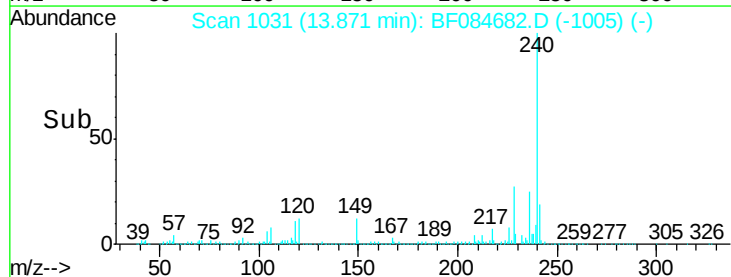
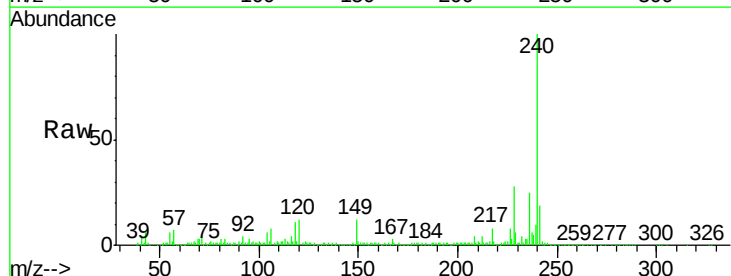
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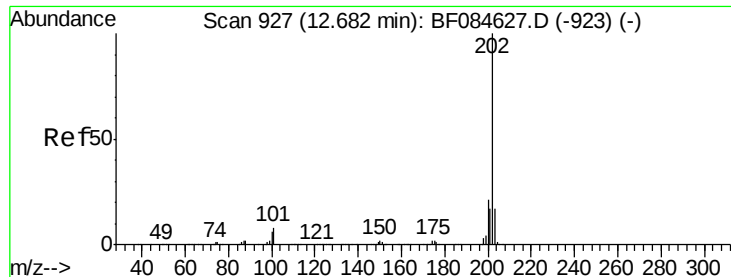
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: BF084682.D
 Acq: 30 Jan 2016 13:27

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.1	9.5	14.3
236	25.1	20.6	31.0





#77

Pvrene

Concen: 22.03 ng

RT: 12.67 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF084682.D

Acq: 30 Jan 2016 13:27

Instrument :

BNA_F

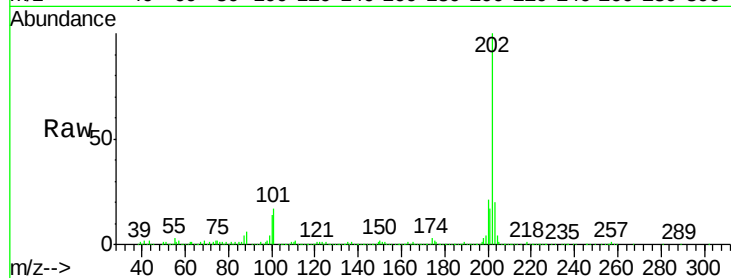
ClientSampleId :

SUP-B013(15-16)

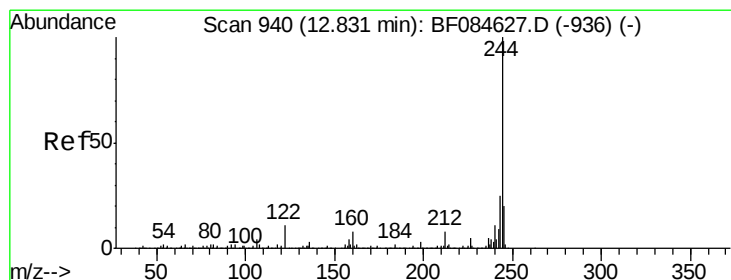
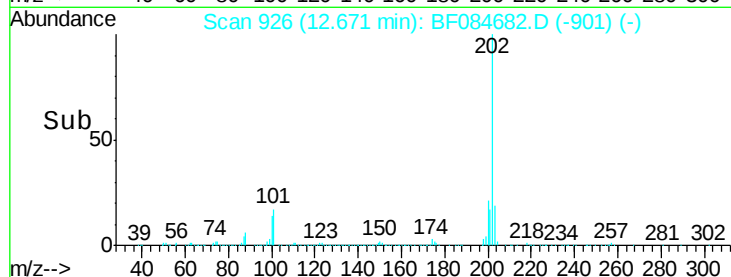
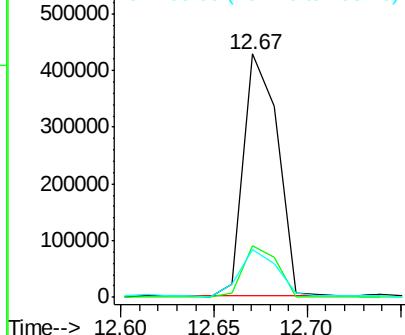
Tot Ion:	202	Resp:	543303
Ion Ratio		Lower	Upper
202	100		
200	21.4	17.2	25.8
203	19.8	14.3	21.5

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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: 73.97 ng

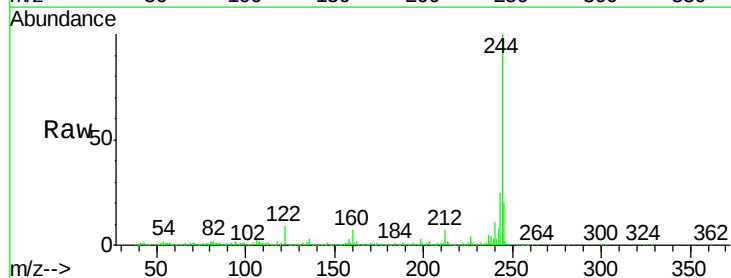
RT: 12.83 min Scan# 940

Delta R.T. -0.00 min

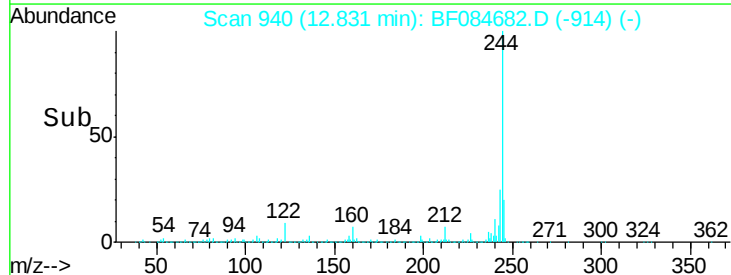
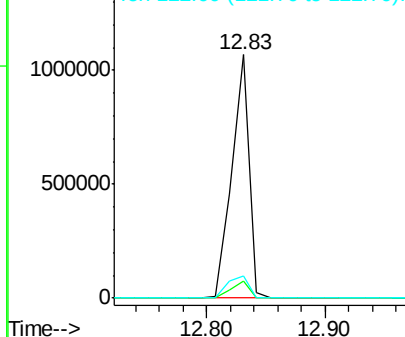
Lab File: BF084682.D

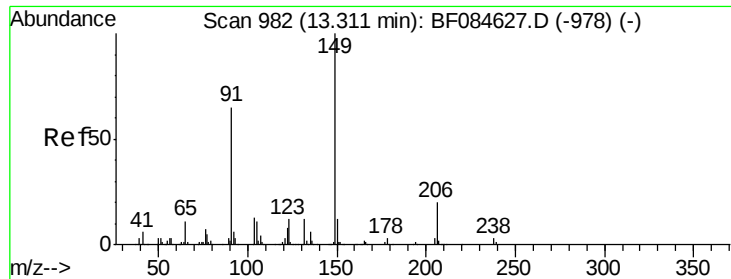
Acq: 30 Jan 2016 13:27

Tgt Ion:	244	Resp:	1070675
Ion Ratio		Lower	Upper
244	100		
212	7.0	5.7	8.5
122	9.3	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





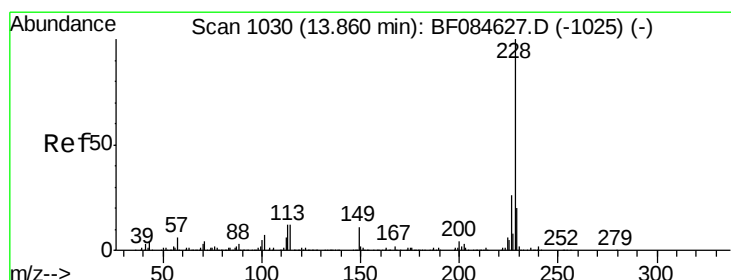
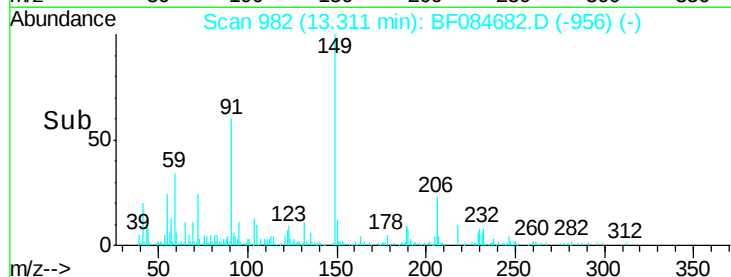
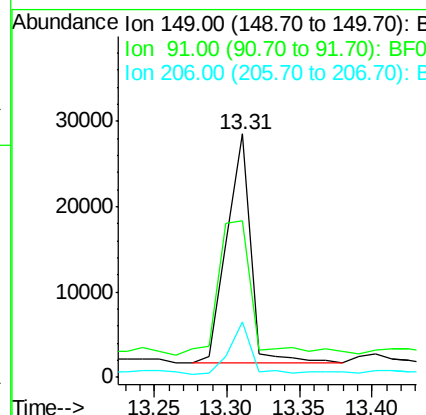
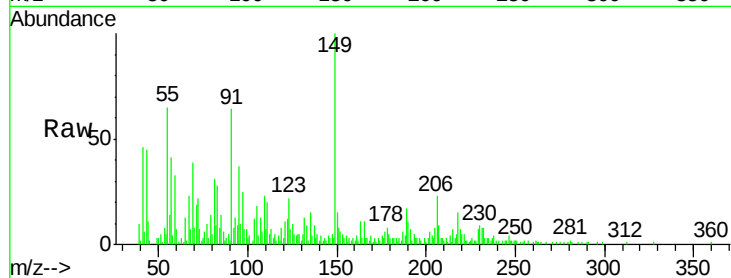
#79
Butylbenzylphthalate
Concen: 2.92 ng
RT: 13.31 min Scan# 982
Delta R.T. -0.00 min
Lab File: BF084682.D
Acq: 30 Jan 2016 13:27

Instrument :
BNA_F
ClientSampleId :
SUP-B013(15-16)

Tot Ion	Ratio	Lower	Upper
149	100		
91	64.4	57.6	86.4
206	22.8	13.2	19.8

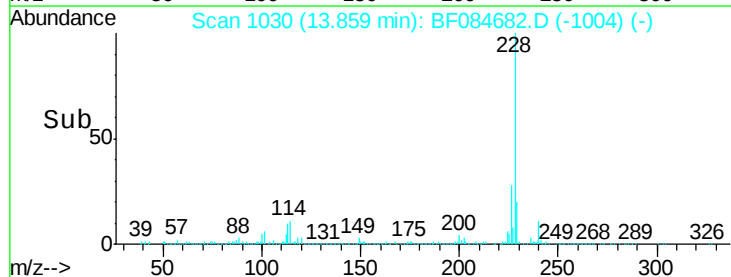
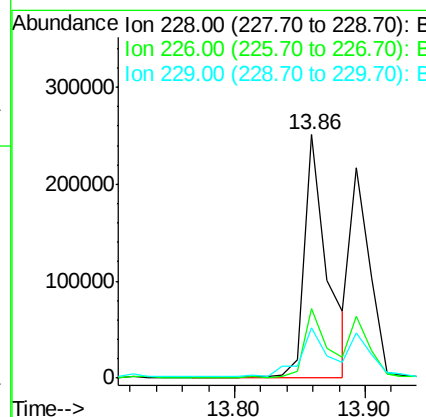
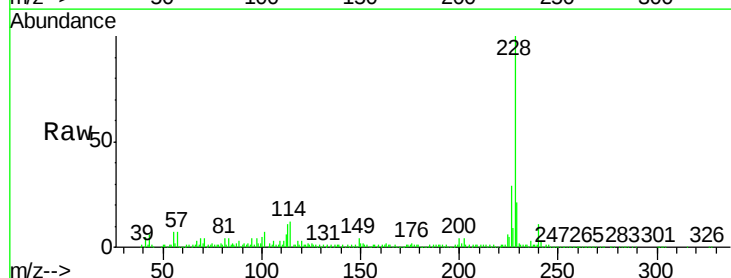
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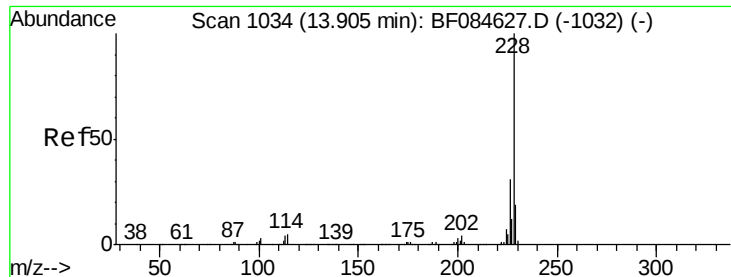
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#80
Benzo(a)anthracene
Concen: 14.89 ng
RT: 13.86 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BF084682.D
Acq: 30 Jan 2016 13:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	21.8	32.6
229	20.9	15.8	23.8





#82

Chrysene

Concen: 11.12 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF084682.D

Acq: 30 Jan 2016 13:27

Instrument :

BNA_F

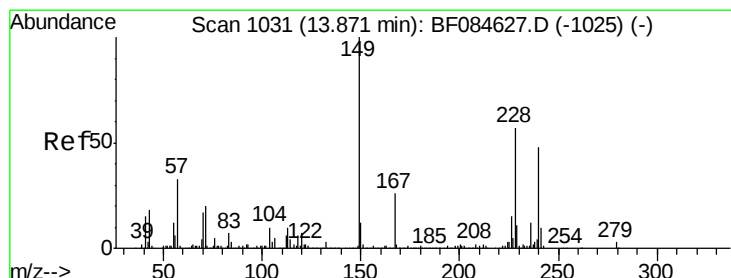
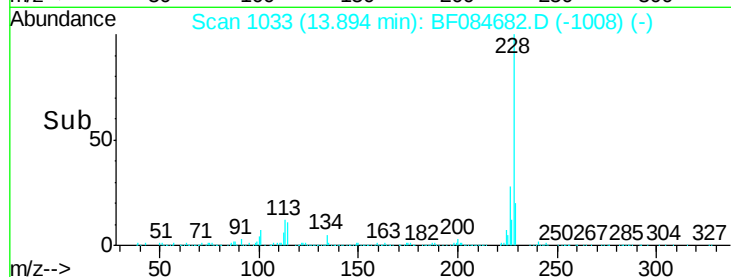
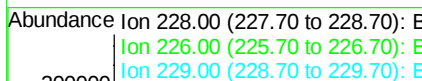
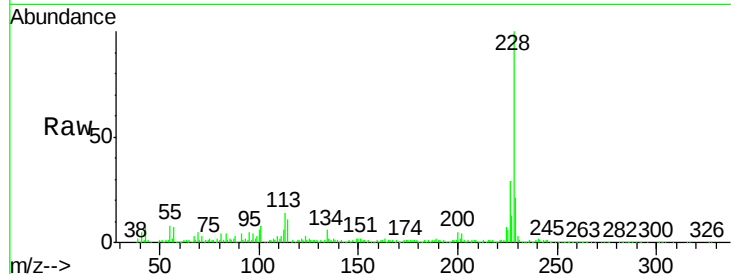
ClientSampleId :

SUP-B013(15-16)

Tot Ion:	228	Resp:	223404
Ion Ratio	Lower	Upper	
228	100		
226	29.2	24.3	36.5
229	21.2	16.1	24.1

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#83

Bis(2-ethylhexyl)phthalate

Concen: 3.00 ng

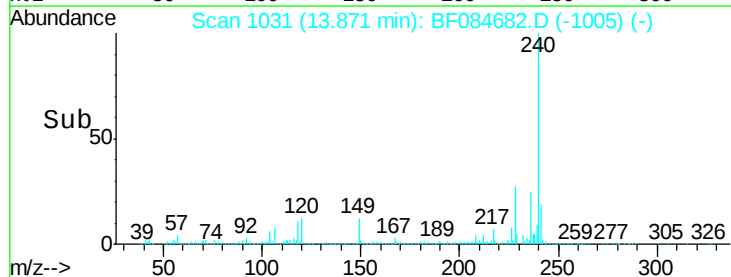
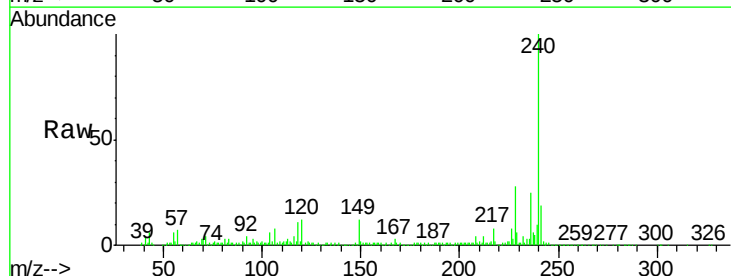
RT: 13.87 min Scan# 1031

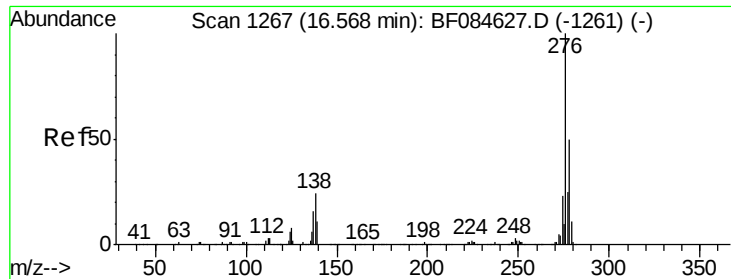
Delta R.T. -0.00 min

Lab File: BF084682.D

Acq: 30 Jan 2016 13:27

Tgt Ion:	149	Resp:	41009
Ion Ratio	Lower	Upper	
149	100		
167	27.8	19.7	29.5
279	3.7	1.8	2.6#





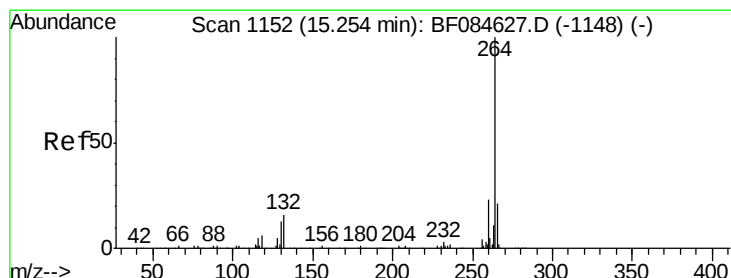
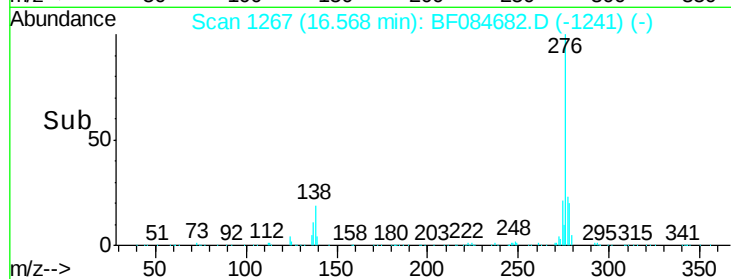
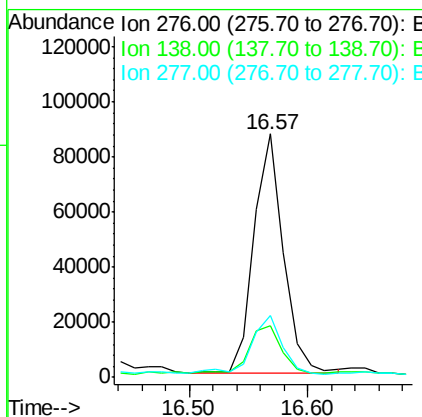
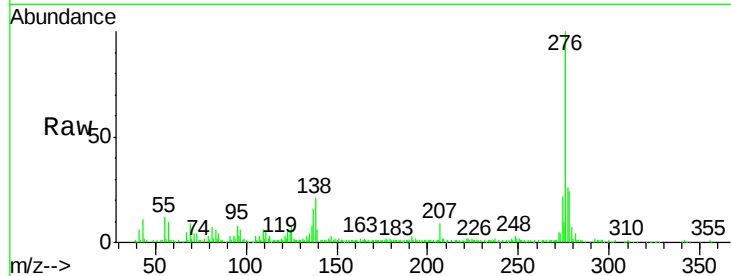
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.53 ng
RT: 16.57 min Scan# 1267
Delta R.T. -0.00 min
Lab File: BF084682.D
Acq: 30 Jan 2016 13:27

Instrument :
BNA_F
ClientSampleId :
SUP-B013(15-16)

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.8	20.6	30.8
277	25.8	20.1	30.1

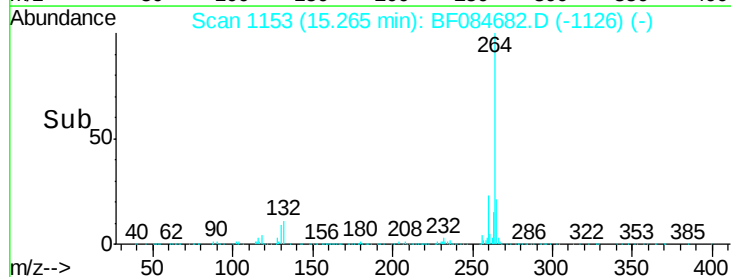
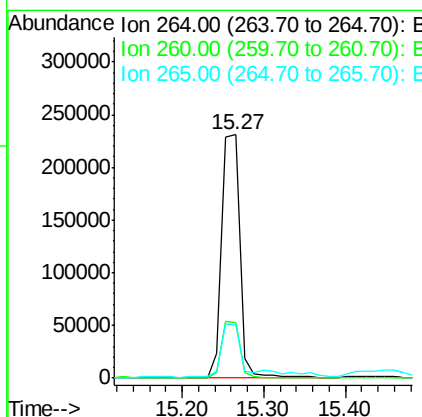
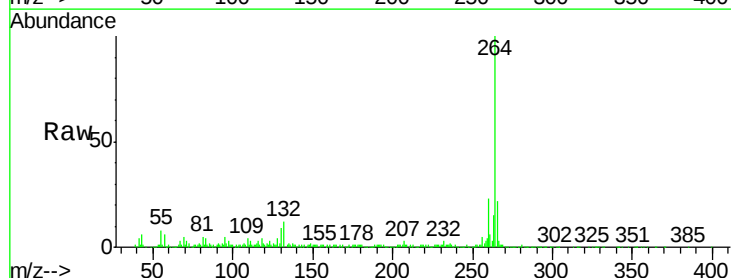
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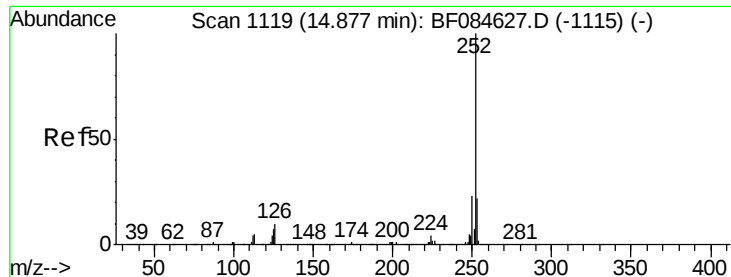
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 1153
Delta R.T. 0.01 min
Lab File: BF084682.D
Acq: 30 Jan 2016 13:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.4	29.2
265	21.7	17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 13.58 ng m

RT: 14.88 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BF084682.D

Acq: 30 Jan 2016 13:27

Instrument :

BNA_F

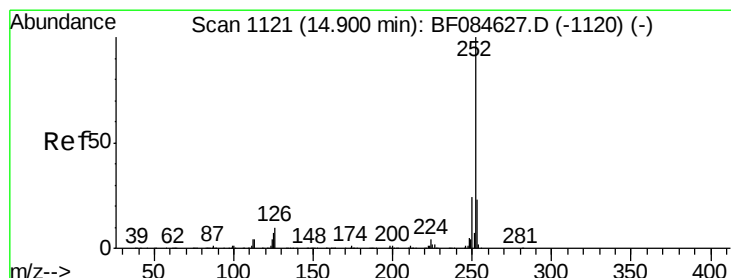
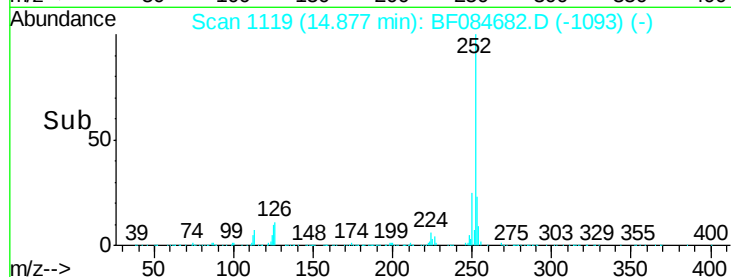
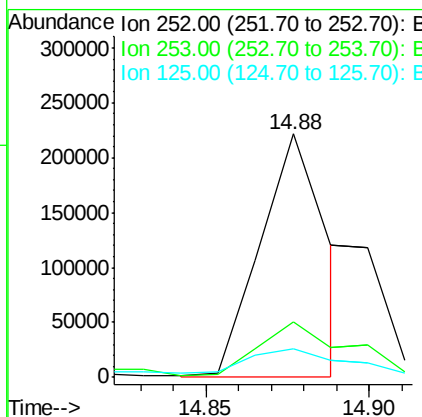
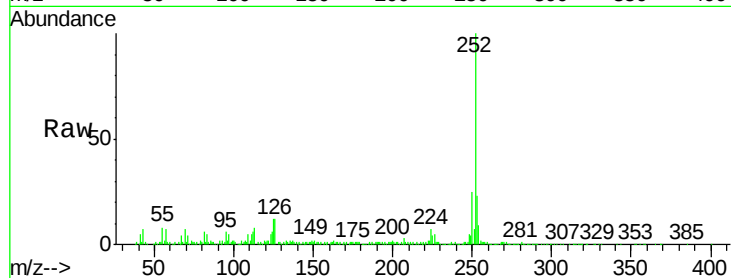
ClientSampleId :

SUP-B013(15-16)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.3	25.9
125	11.6	6.5	9.7#

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#88

Benzo(k)fluoranthene

Concen: 5.15 ng m

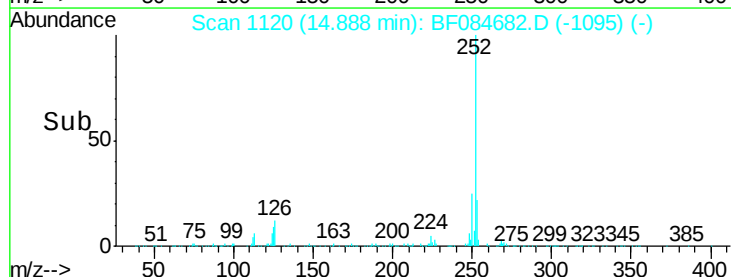
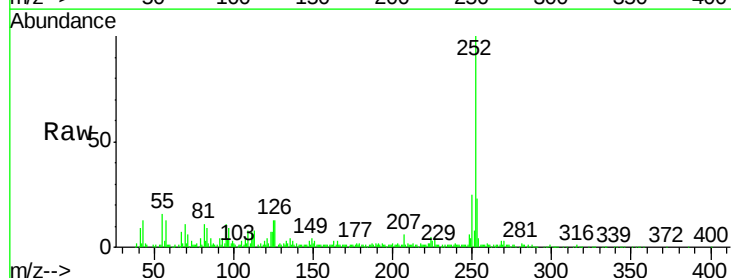
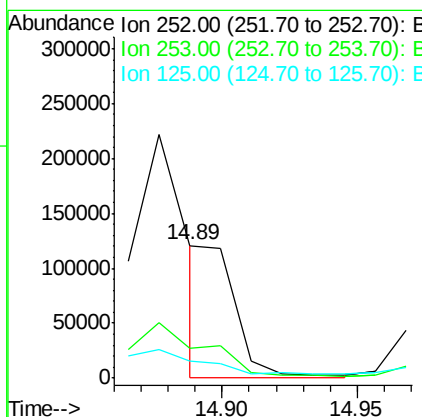
RT: 14.89 min Scan# 1120

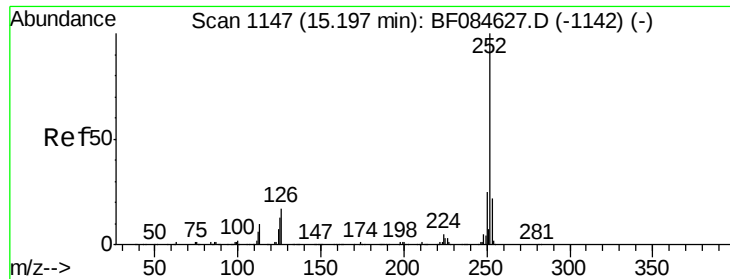
Delta R.T. -0.01 min

Lab File: BF084682.D

Acq: 30 Jan 2016 13:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	13.0	9.0	13.6





#89

Benzo(a)pyrene

Concen: 11.44 ng

RT: 15.20 min Scan# 1147

Delta R.T. -0.00 min

Lab File: BF084682.D

Acq: 30 Jan 2016 13:27

Instrument :

BNA_F

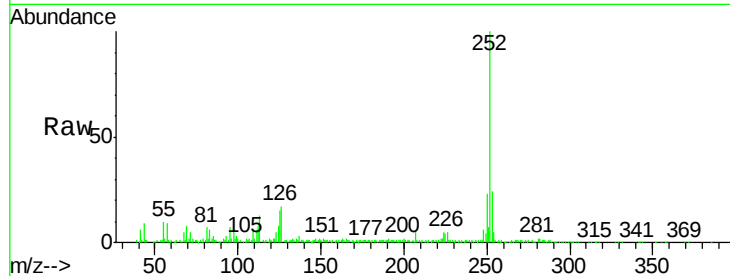
ClientSampleId :

SUP-B013(15-16)

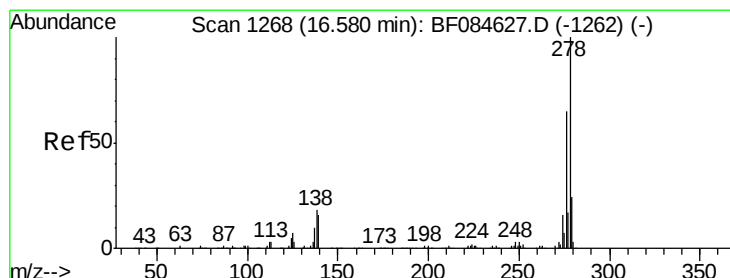
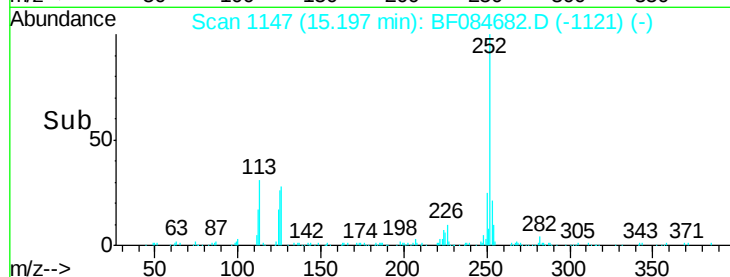
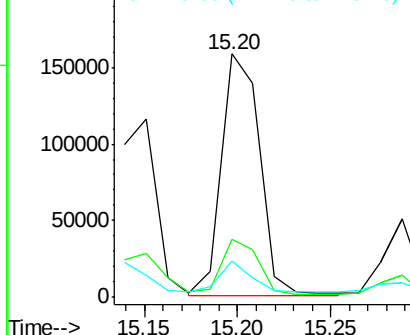
Tot Ion:	252	Resp:	226607
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.3	25.9
125	15.0	7.0	10.4#

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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



#90

Dibenzo(a,h)anthracene

Concen: 2.17 ng m

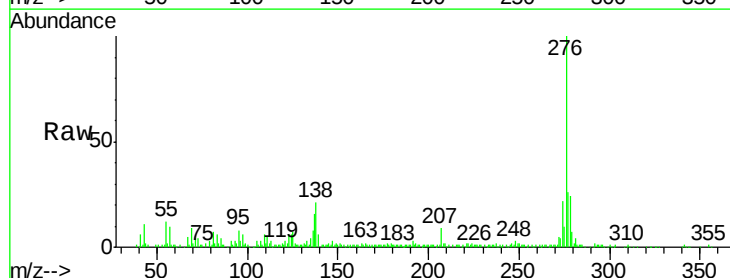
RT: 16.57 min Scan# 1267

Delta R.T. -0.01 min

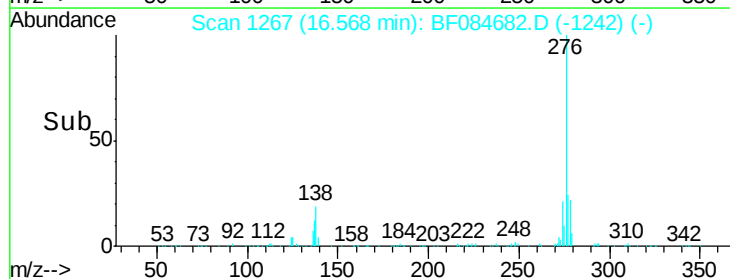
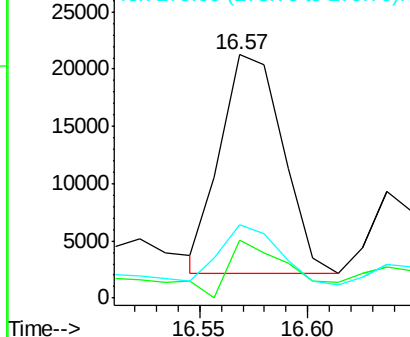
Lab File: BF084682.D

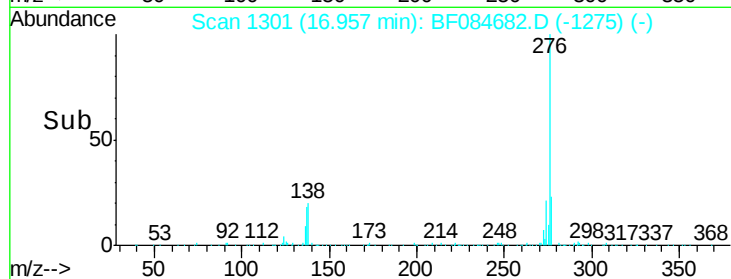
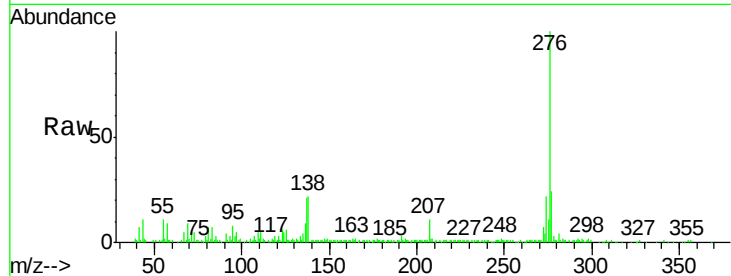
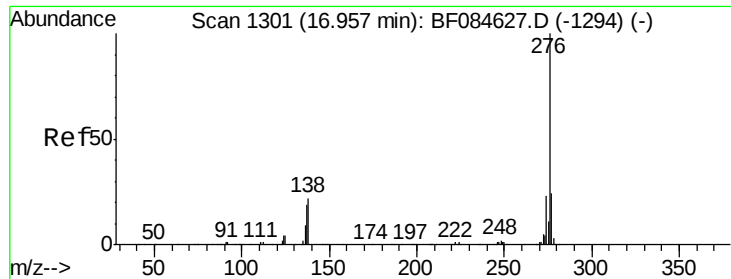
Acq: 30 Jan 2016 13:27

Tgt Ion:	278	Resp:	38733
Ion Ratio	Lower	Upper	
278	100		
139	23.8	15.0	22.4#
279	30.0	18.9	28.3#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 8.47 ng

RT: 16.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: BF084682.D

Acq: 30 Jan 2016 13:27

Instrument :

BNA_F

ClientSampleId :

SUP-B013(15-16)

Tot Ion:	276	Resp:	152729
Ion Ratio	Lower	Upper	
276	100		
277	24.5	18.8	28.2
138	22.0	17.8	26.6

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