

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
 Data File : BF086295.D
 Acq On : 18 Apr 2016 21:32
 Operator : UM/SJ
 Sample : H2413-12 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-B(0-2)

Manual Integrations
 APPROVED

Sohil
 4/19/2016 6:24:42 PM

Quant Time: Apr 19 13:35:14 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 15 15:56:31 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	282152	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1038099	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	405786	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	665384	20.00	ng	0.00
75) Chrysene-d12	14.04	240	519440	20.00	ng	-0.01
86) Perylene-d12	15.48	264	416406	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1010455	58.68	ng	0.00
7) Phenol-d6	6.51	99	1179677	54.77	ng	-0.01
23) Nitrobenzene-d5	7.45	82	713008	39.62	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	176766	54.25	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	1023834	46.56	ng	-0.01
78) Terphenyl-d14	12.99	244	684850	33.15	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.64	163	137859	4.67	ng	99
70) Phenanthrene	11.44	178	129155	4.06	ng	97
74) Fluoranthene	12.61	202	233847	3.34	ng	96
77) Pyrene	12.84	202	250542	6.29	ng	97
80) Benzo(a)anthracene	14.03	228	154043	5.40	ng	94
82) Chrysene	14.07	228	106184	3.49	ng	95
85) Indeno(1,2,3-cd)pyrene	16.89	276	76616	3.07	ng	96
87) Benzo(b)fluoranthene	15.06	252	171556m	6.68	ng	
89) Benzo(a)pyrene	15.41	252	124928	5.61	ng	# 96
91) Benzo(g,h,i)perylene	17.31	276	90441	4.33	ng	97

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

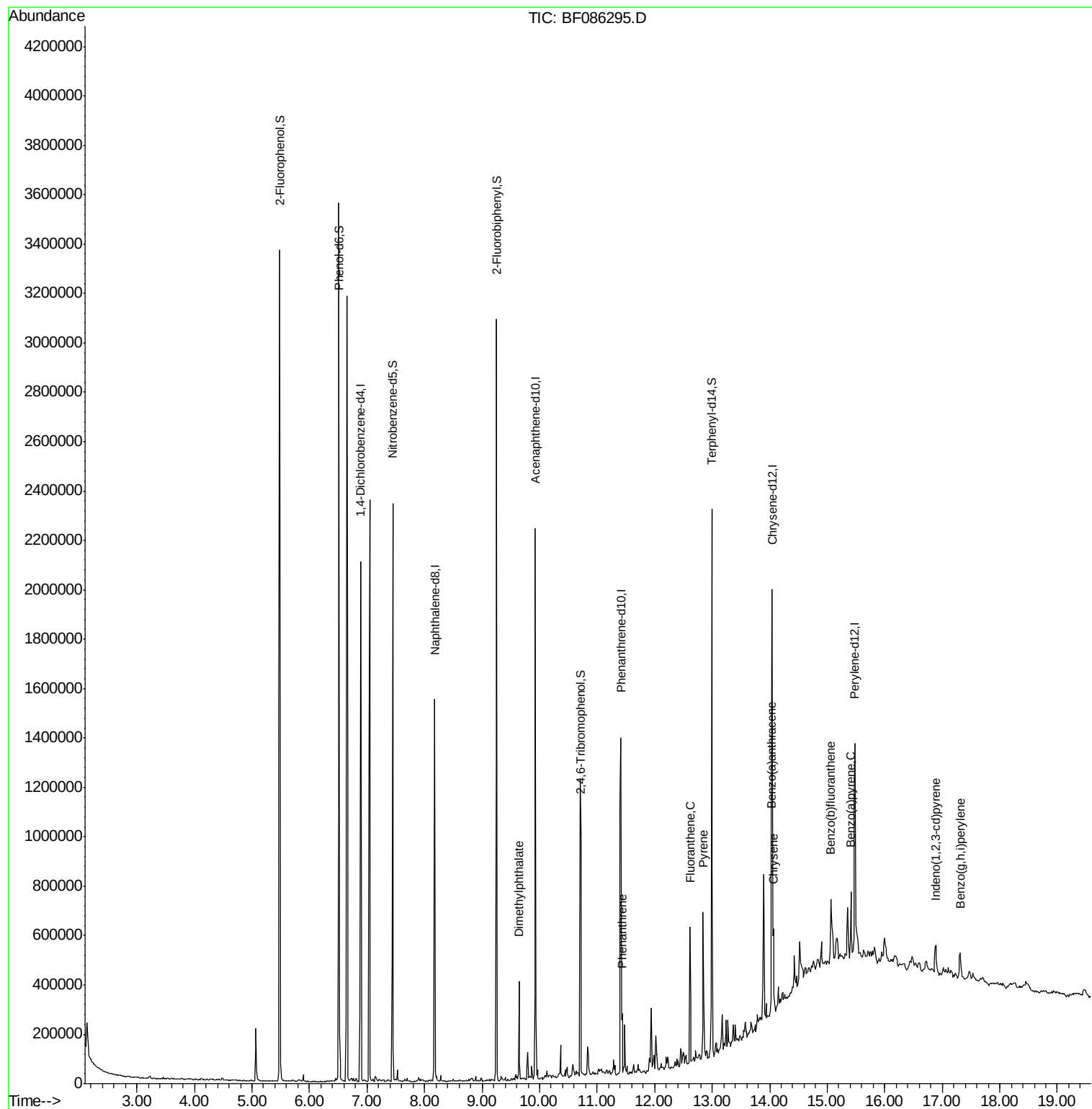
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
Data File : BF086295.D
Acq On : 18 Apr 2016 21:32
Operator : UM/SJ
Sample : H2413-12 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

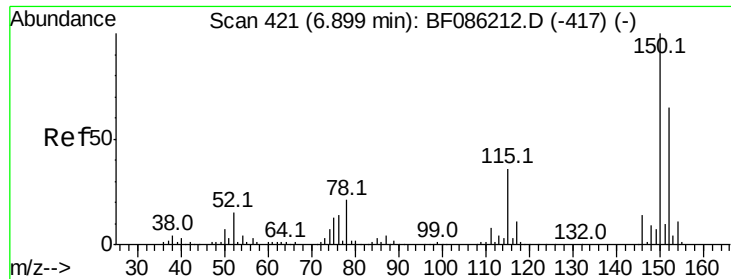
Instrument :
BNA_F
ClientSampleId :
SP-1-B(0-2)

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Response via : Initial Calibration





#1

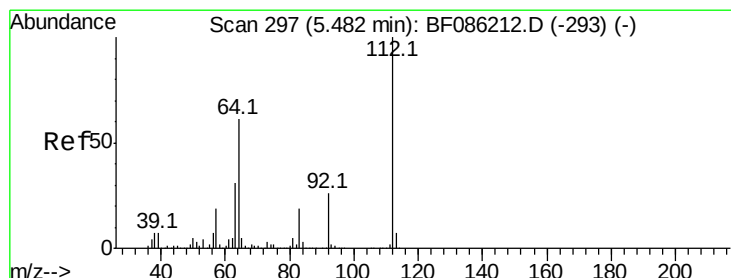
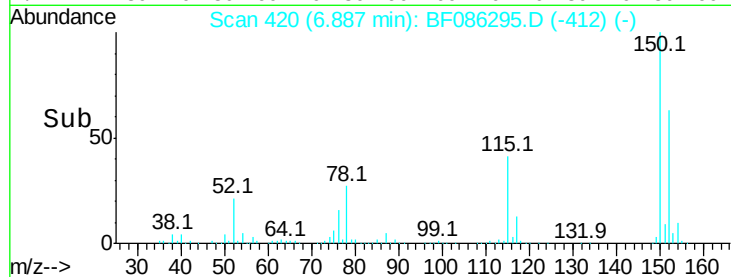
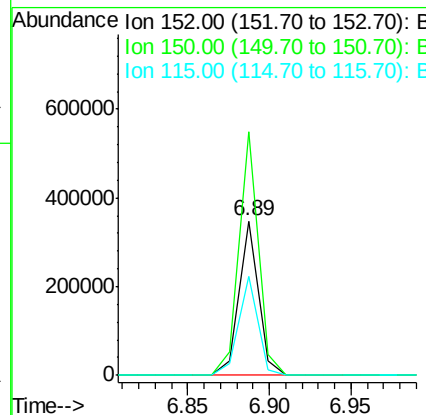
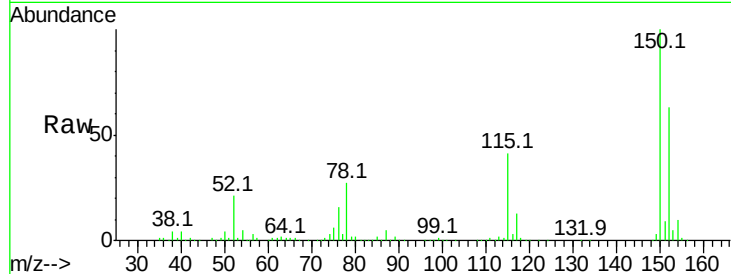
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 420
Delta R.T. -0.01 min
Lab File: BF086295.D
Acq: 18 Apr 2016 21:32

Instrument :
BNA_F
ClientSampleId :
SP-1-B(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
152	100	282152		
150	158.0	124.1	186.1	
115	64.4	43.9	65.9	

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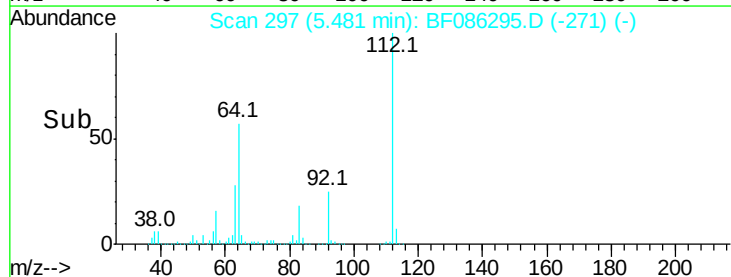
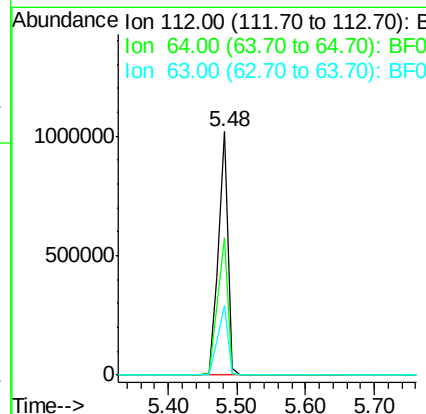
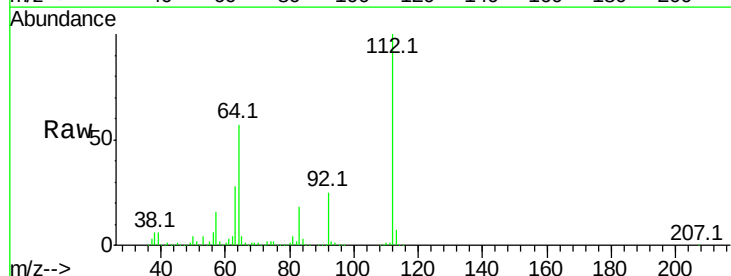
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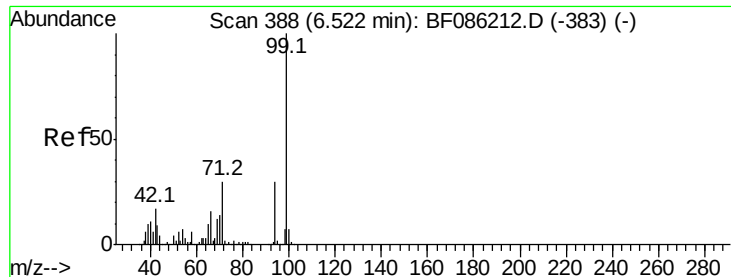


#5

2-Fluorophenol
Concen: 58.68 ng
RT: 5.48 min Scan# 297
Delta R.T. 0.00 min
Lab File: BF086295.D
Acq: 18 Apr 2016 21:32

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1010455		
64	56.6	48.1	72.1	
63	28.5	25.5	38.3	





#7

Phenol-d6

Concen: 54.77 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF086295.D

Acq: 18 Apr 2016 21:32

Instrument :

BNA_F

ClientSampleId :

SP-1-B(0-2)

Tot Ion: 99 Resp: 1179677

Ion Ratio Lower Upper

99 100

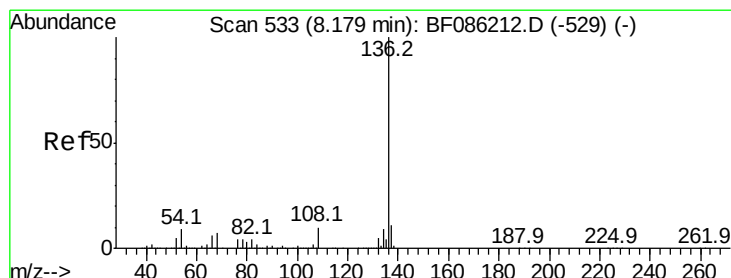
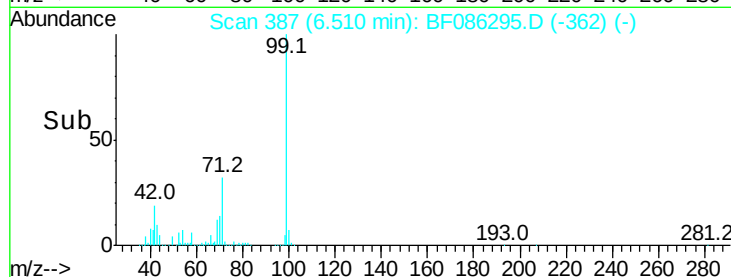
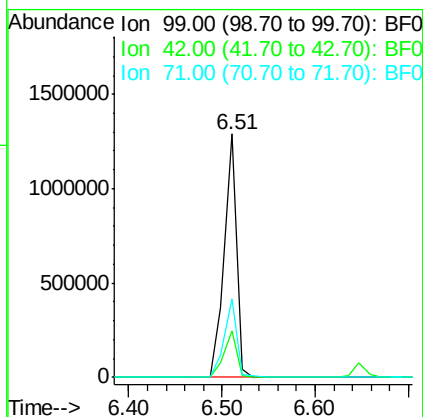
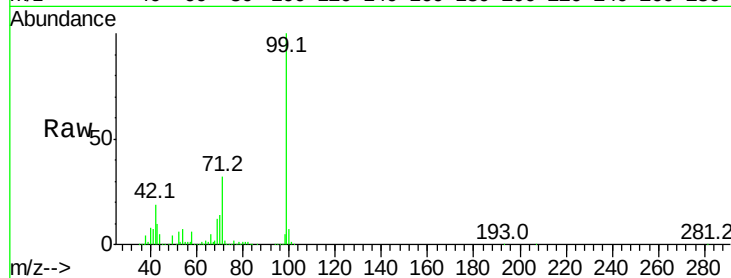
42 19.3 15.4 23.2

71 32.1 25.6 38.4

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.00 min

Lab File: BF086295.D

Acq: 18 Apr 2016 21:32

Tgt Ion: 136 Resp: 1038099

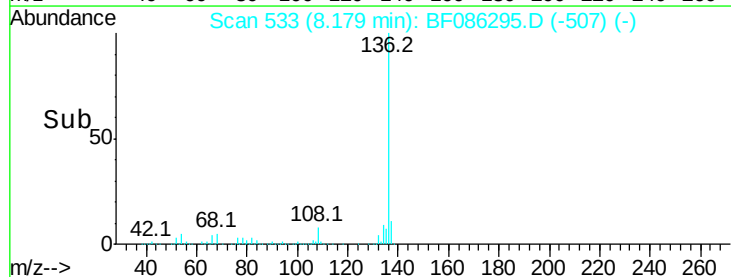
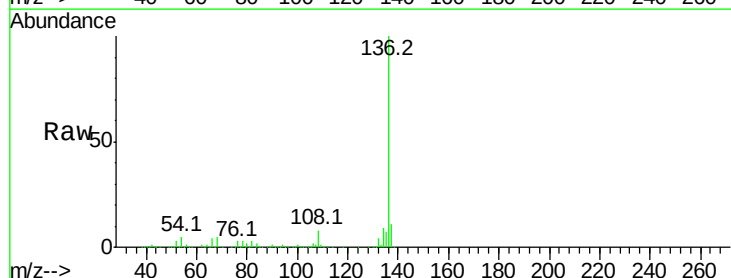
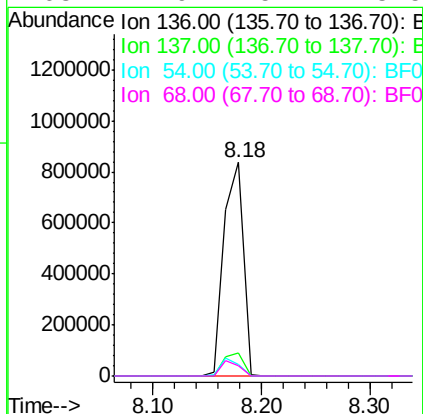
Ion Ratio Lower Upper

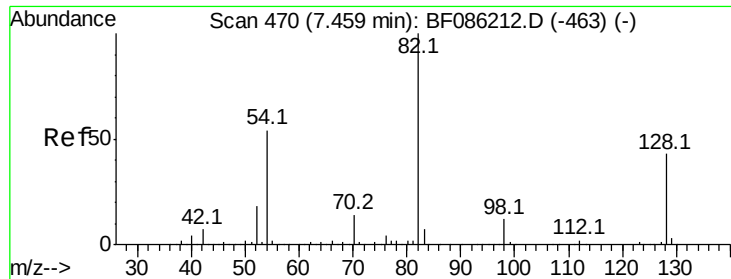
136 100

137 10.6 9.1 13.7

54 5.5 7.3 10.9#

68 4.9 5.7 8.5#





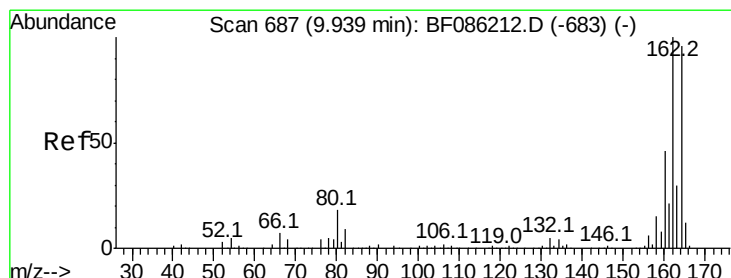
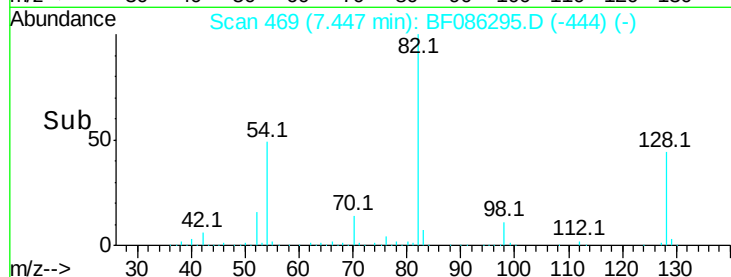
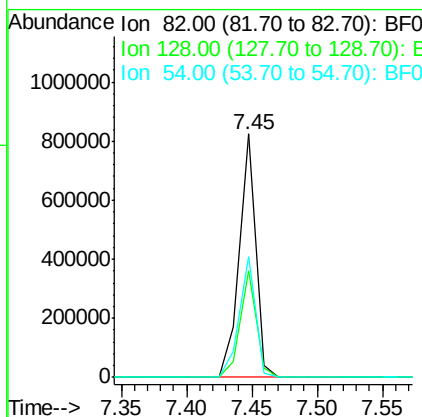
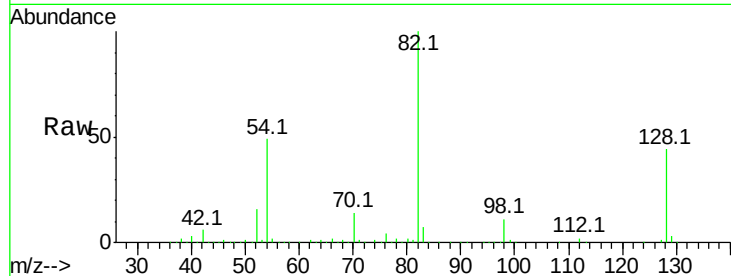
#23
 Nitrobenzene-d5
 Concen: 39.62 ng
 RT: 7.45 min Scan# 469
 Delta R.T. -0.01 min
 Lab File: BF086295.D
 Acq: 18 Apr 2016 21:32

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-B(0-2)

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.7	35.4	53.2
54	49.4	43.4	65.0

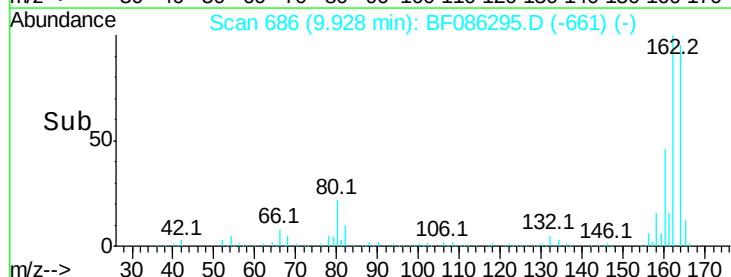
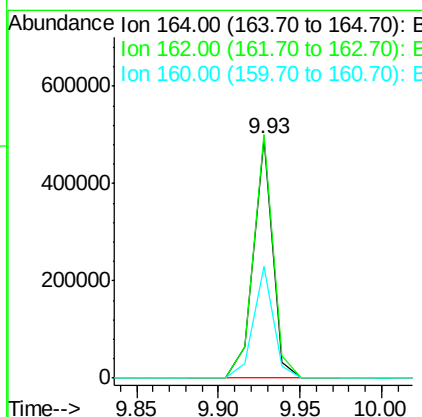
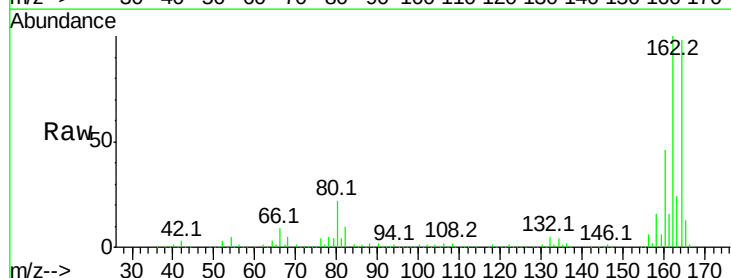
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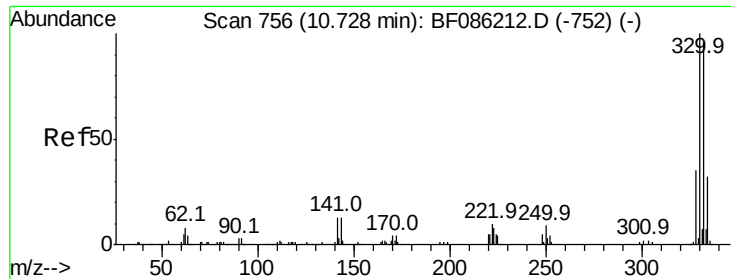
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.93 min Scan# 686
 Delta R.T. -0.01 min
 Lab File: BF086295.D
 Acq: 18 Apr 2016 21:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	82.8	124.2
160	46.5	38.9	58.3





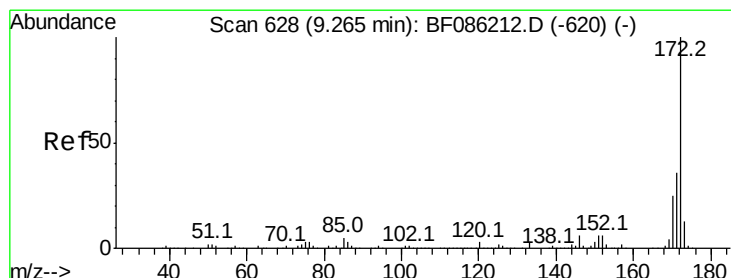
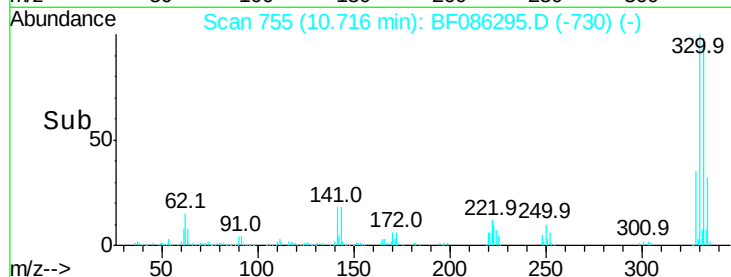
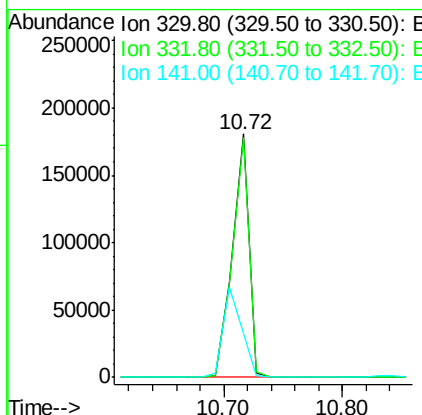
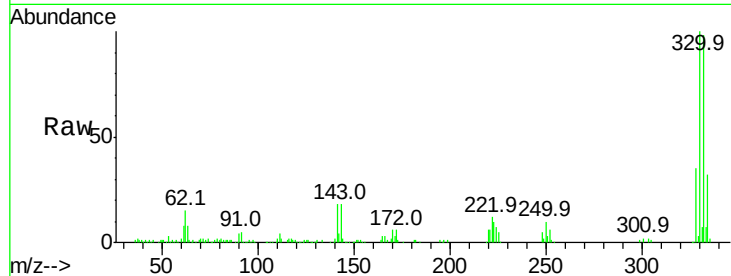
#41
 2,4,6-Tribromophenol
 Concen: 54.25 ng
 RT: 10.72 min Scan# 755
 Delta R.T. -0.01 min
 Lab File: BF086295.D
 Acq: 18 Apr 2016 21:32

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-B(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	176766		
332	98.5	78.7	118.1	
141	41.6	28.6	42.8	

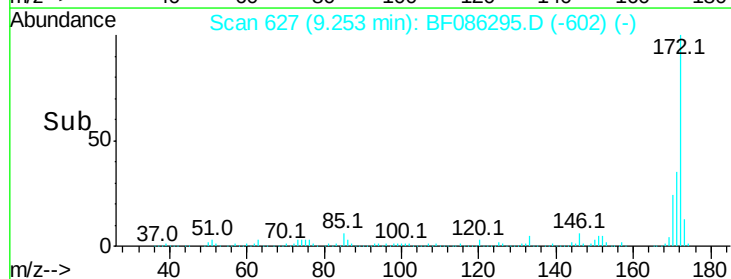
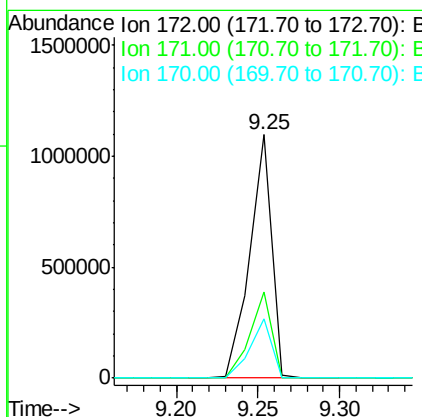
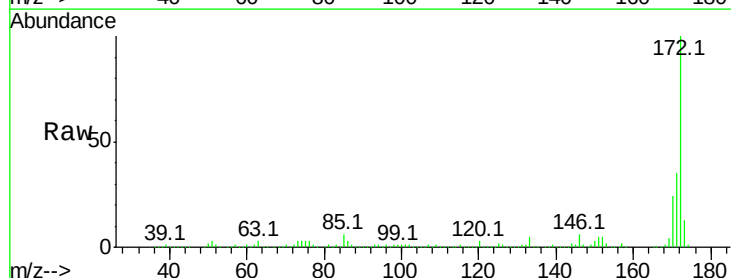
Manual Integrations
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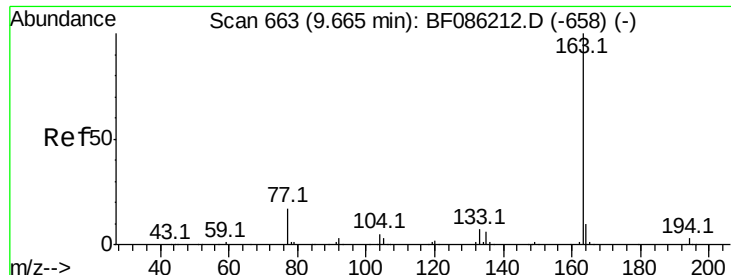
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#44
 2-Fluorobiphenyl
 Concen: 46.56 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF086295.D
 Acq: 18 Apr 2016 21:32

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1023834		
171	35.5	29.1	43.7	
170	24.3	19.9	29.9	





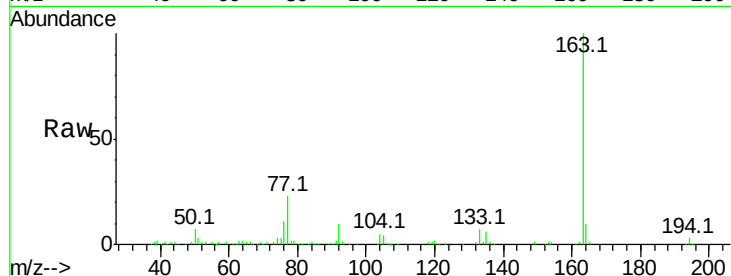
#49
Dimethylphthalate
Concen: 4.67 ng
RT: 9.64 min Scan# 661
Delta R.T. -0.02 min
Lab File: BF086295.D
Acq: 18 Apr 2016 21:32

Instrument :
BNA_F
ClientSampleId :
SP-1-B(0-2)

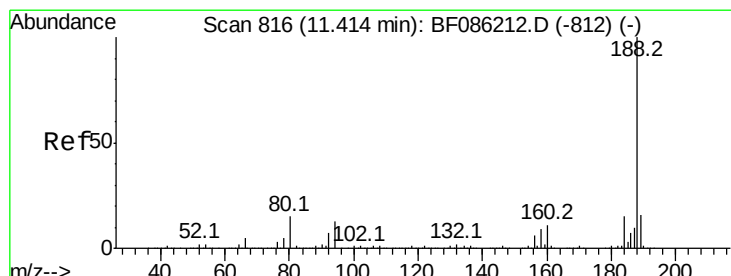
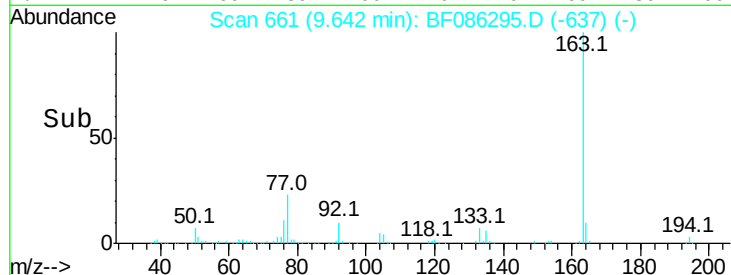
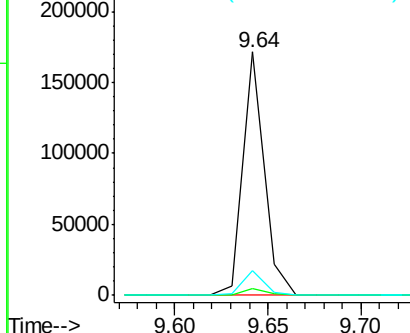
Tot Ion	Ratio	Resp	Lower	Upper
163	100	137859		
194	2.8		2.8	4.2
164	10.0		8.4	12.6

Manual Integrations
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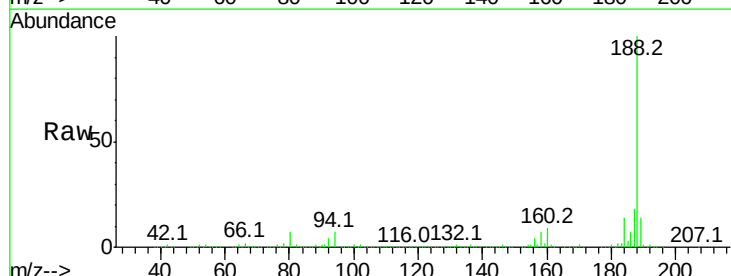


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

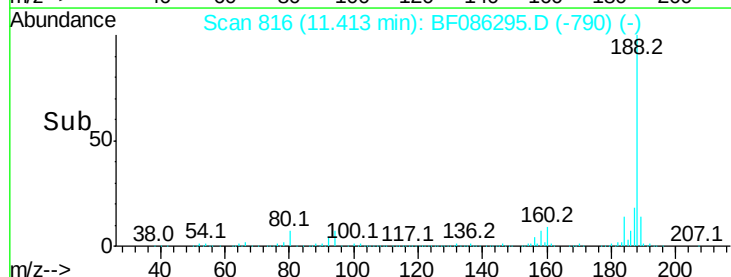
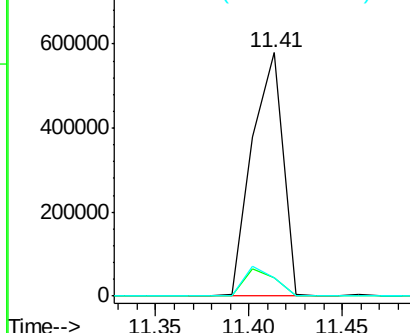


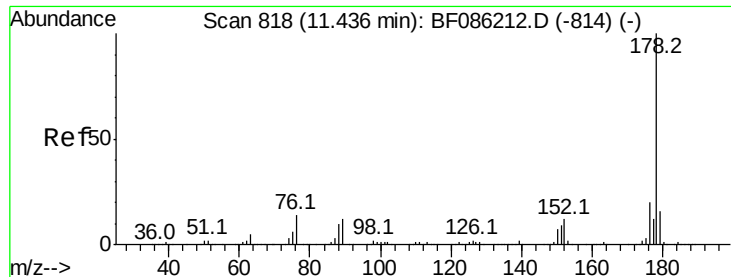
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF086295.D
Acq: 18 Apr 2016 21:32

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	665384		
94	7.4		9.8	14.8#
80	7.5		10.5	15.7#



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





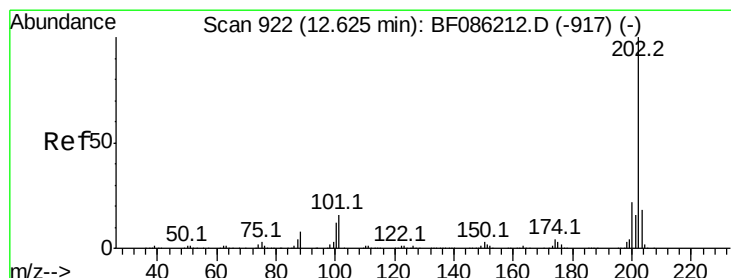
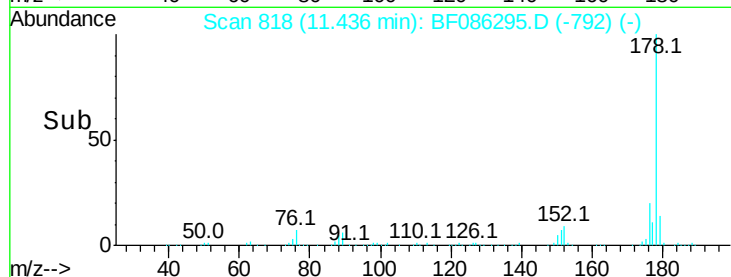
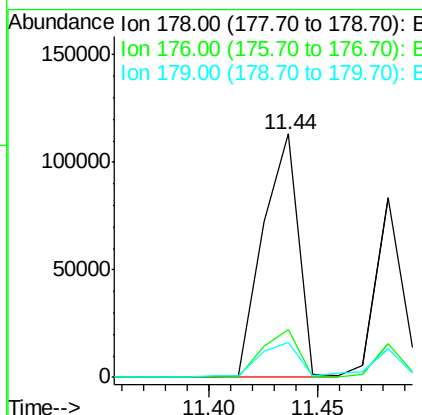
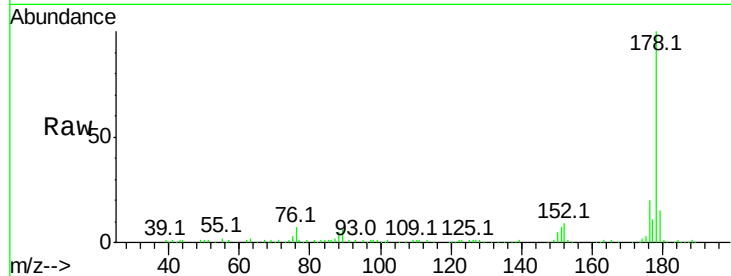
#70
 Phenanthrene
 Concen: 4.06 ng
 RT: 11.44 min Scan# 818
 Delta R.T. 0.00 min
 Lab File: BF086295.D
 Acq: 18 Apr 2016 21:32

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-B(0-2)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.3	24.5
179	14.6	13.0	19.6

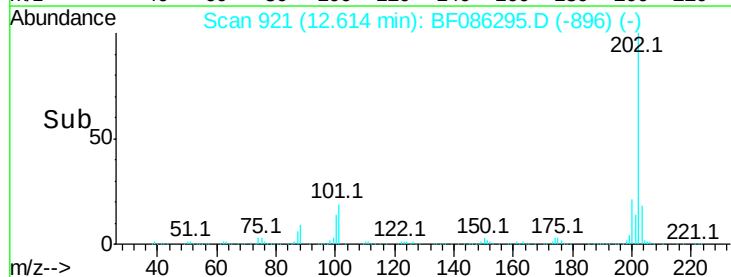
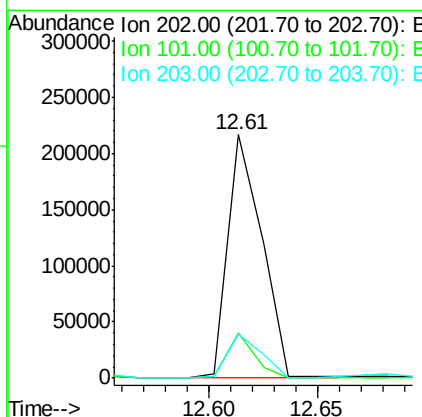
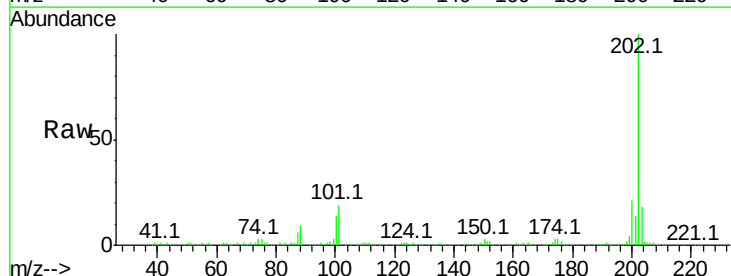
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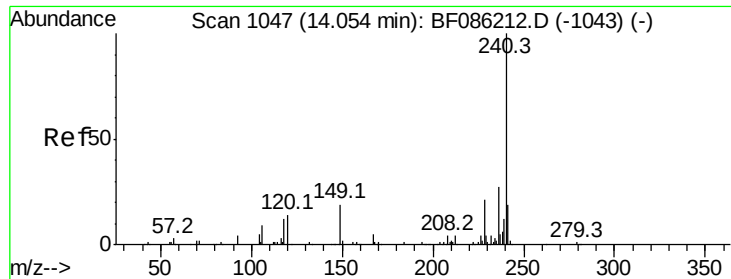
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#74
 Fluoranthene
 Concen: 3.34 ng
 RT: 12.61 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: BF086295.D
 Acq: 18 Apr 2016 21:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.8	0.0	35.2
203	18.1	0.0	38.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF086295.D

Acq: 18 Apr 2016 21:32

Instrument :

BNA_F

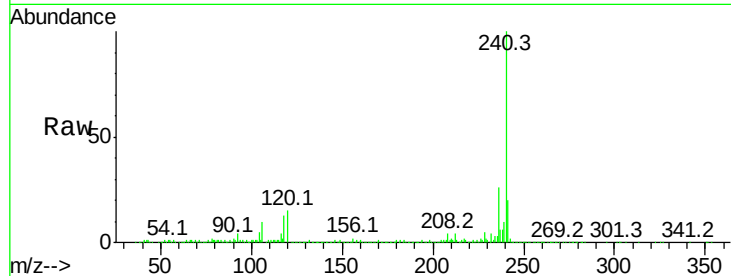
ClientSampleId :

SP-1-B(0-2)

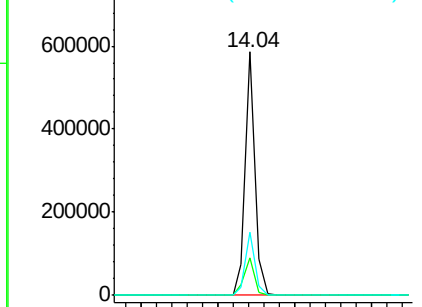
Tot Ion:	240	Resp:	519440
Ion Ratio	Lower	Upper	
240	100		
120	15.3	9.3	13.9#
236	26.1	21.1	31.7

Manual Integrations
APPROVED

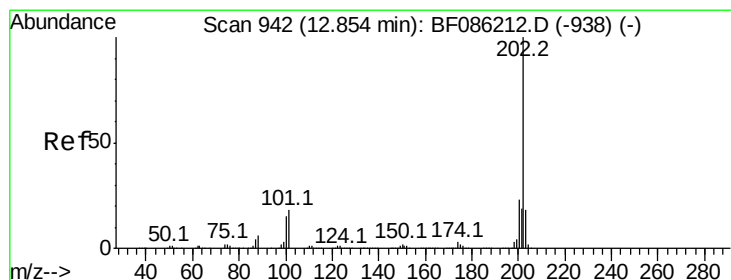
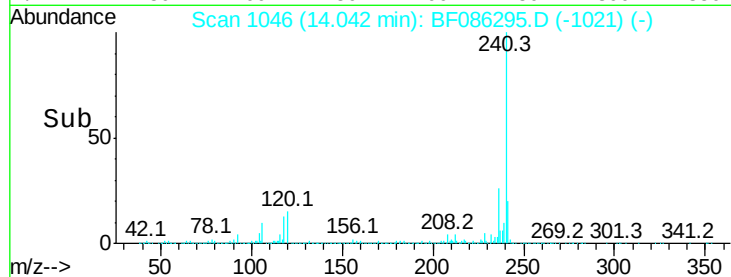
Sohil
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Abundance Ion 240.00 (239.70 to 240.70): E
800000
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Pyrene

Concen: 6.29 ng

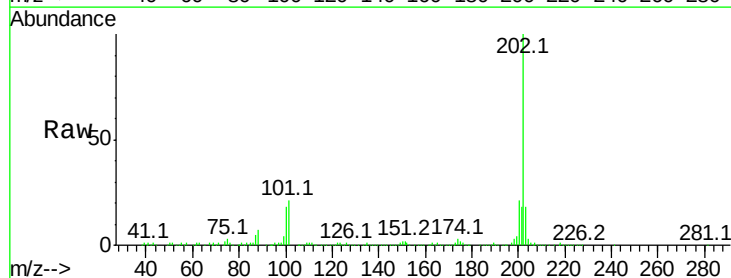
RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

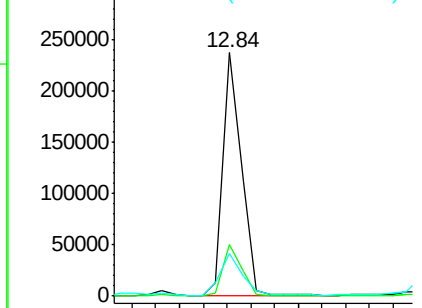
Lab File: BF086295.D

Acq: 18 Apr 2016 21:32

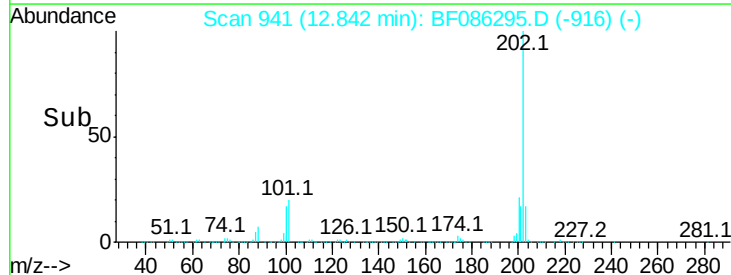
Tgt Ion:	202	Resp:	250542
Ion Ratio	Lower	Upper	
202	100		
200	21.1	18.3	27.5
203	17.8	14.9	22.3

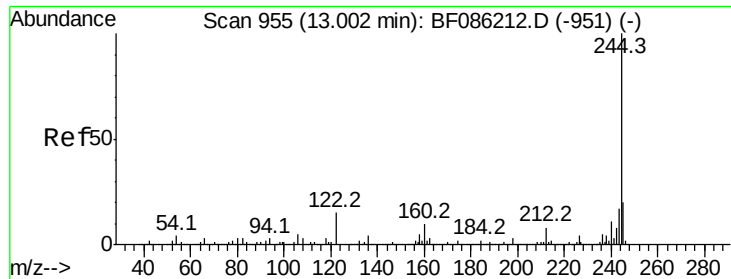


Abundance Ion 202.00 (201.70 to 202.70): E
300000
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->





#78

Terphenyl-d14

Concen: 33.15 ng

RT: 12.99 min Scan# 954

Delta R.T. -0.01 min

Lab File: BF086295.D

Acq: 18 Apr 2016 21:32

Instrument :

BNA_F

ClientSampled :

SP-1-B(0-2)

Tot Ion:244 Resp: 684850

Ion Ratio Lower Upper

244 100

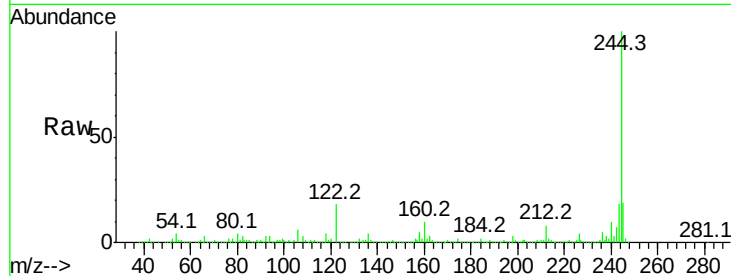
212 7.7 6.4 9.6

122 17.6 11.7 17.5#

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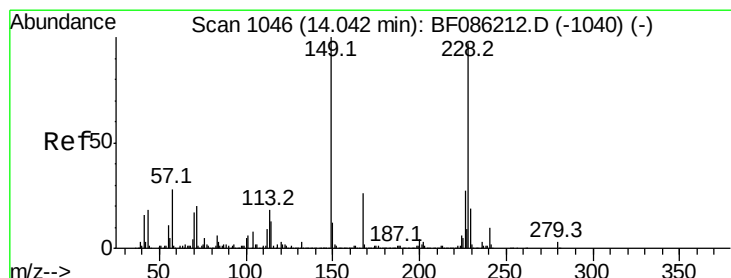
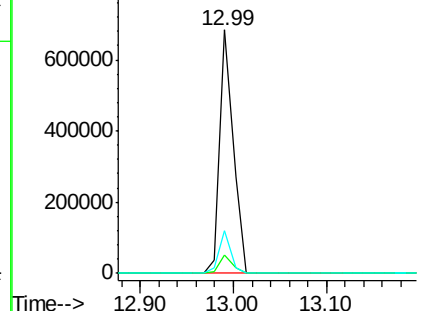
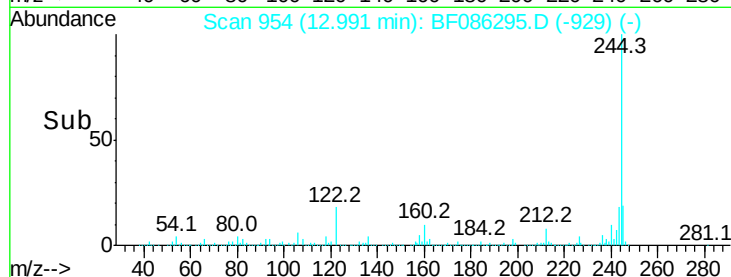
4/19/2016 6:24:42 PM



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: 5.40 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BF086295.D

Acq: 18 Apr 2016 21:32

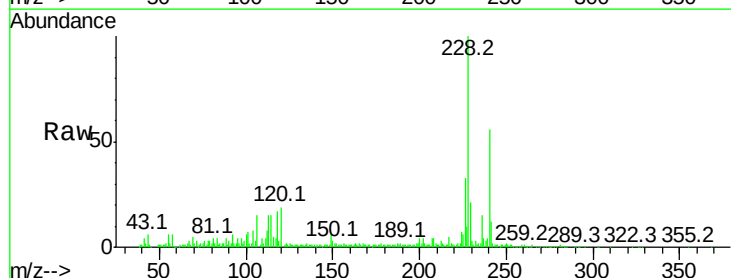
Tgt Ion:228 Resp: 154043

Ion Ratio Lower Upper

228 100

226 33.5 22.5 33.7

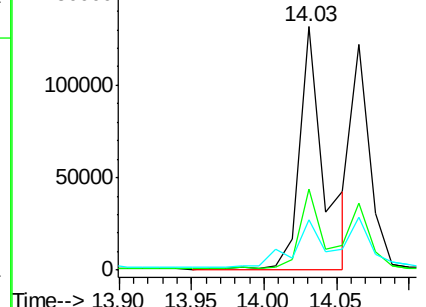
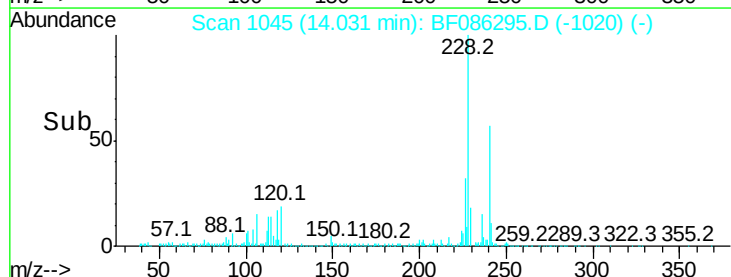
229 20.8 16.2 24.2

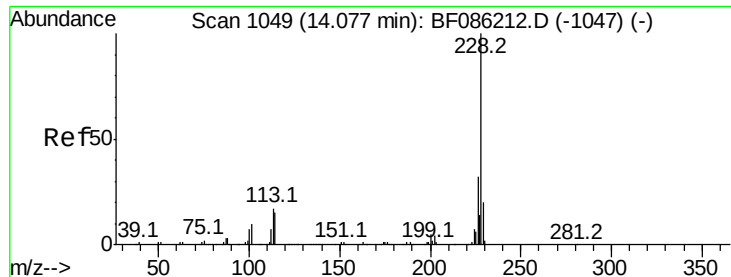


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.49 ng

RT: 14.07 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF086295.D

Acq: 18 Apr 2016 21:32

Instrument :

BNA_F

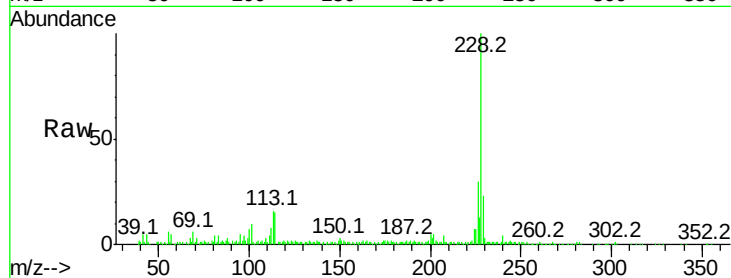
ClientSampleId :

SP-1-B(0-2)

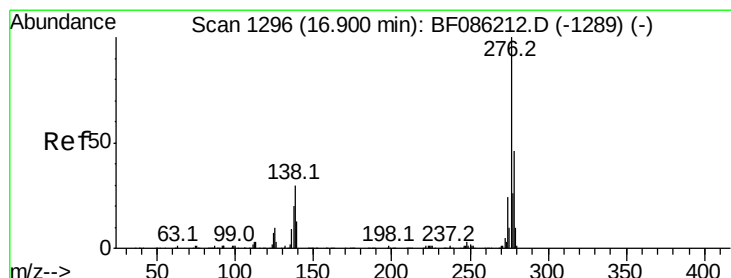
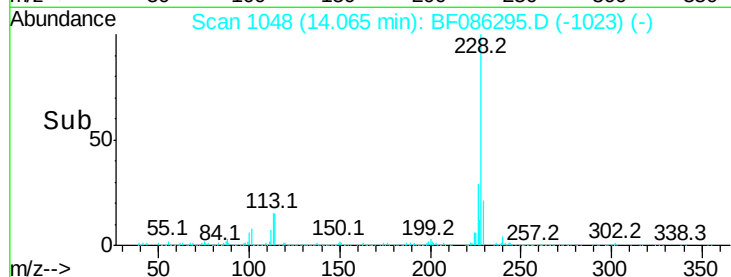
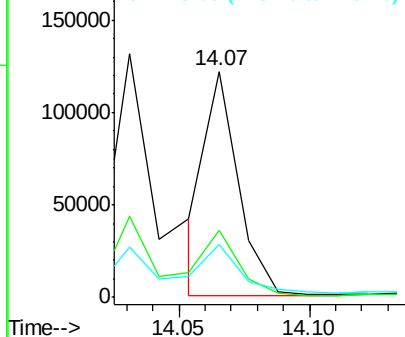
Tot Ion:	228	Resp:	106184
Ion Ratio	Lower	Upper	
228	100		
226	29.5	25.4	38.2
229	23.4	16.5	24.7

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.07 ng

RT: 16.89 min Scan# 1295

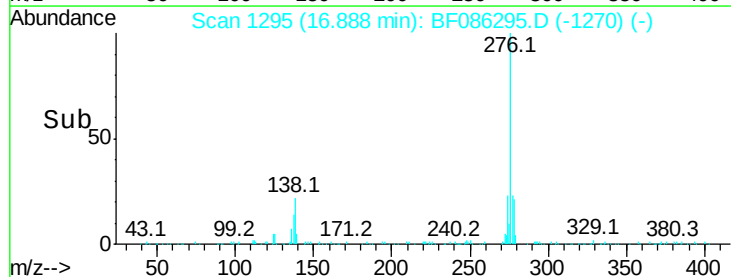
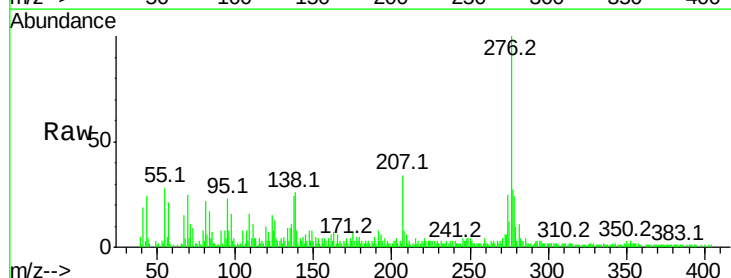
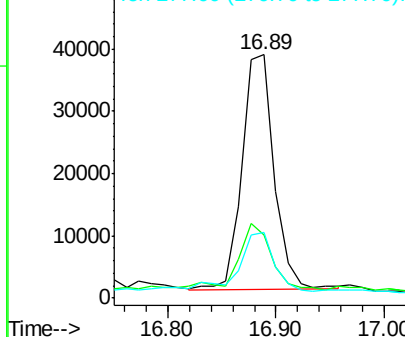
Delta R.T. -0.01 min

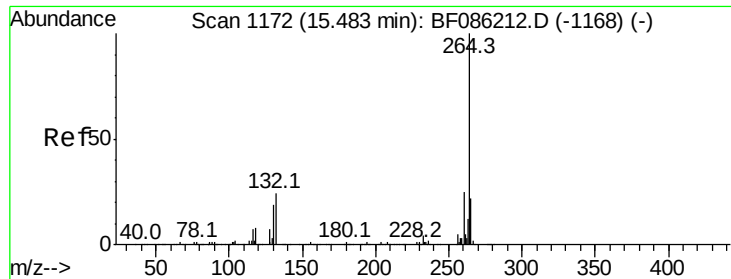
Lab File: BF086295.D

Acq: 18 Apr 2016 21:32

Tgt Ion:	276	Resp:	76616
Ion Ratio	Lower	Upper	
276	100		
138	31.2	23.8	35.6
277	28.1	20.2	30.2

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





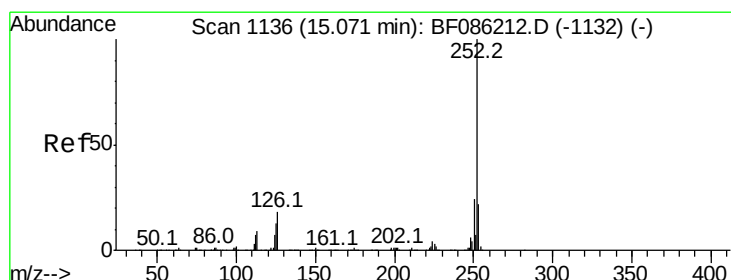
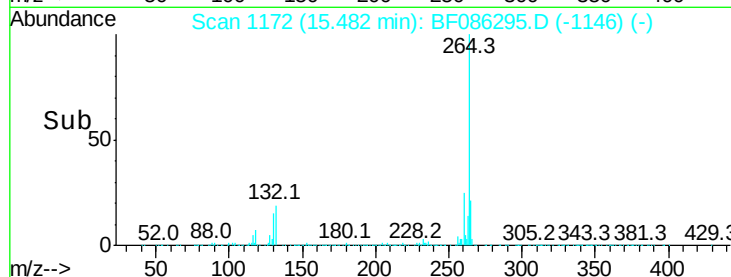
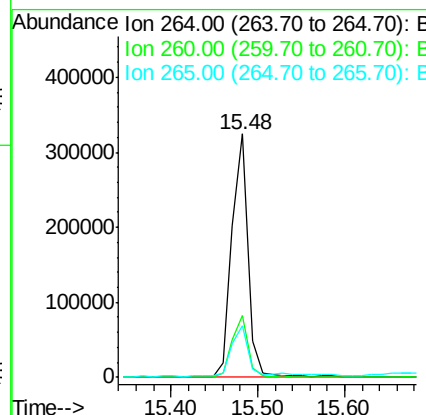
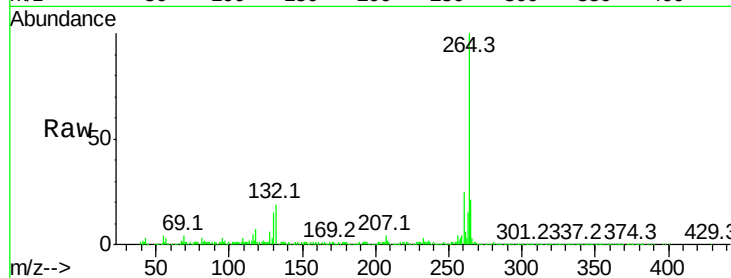
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1172
Delta R.T. -0.00 min
Lab File: BF086295.D
Acq: 18 Apr 2016 21:32

Instrument :
BNA_F
ClientSampleId :
SP-1-B(0-2)

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.0	30.0
265	21.2	17.4	26.0

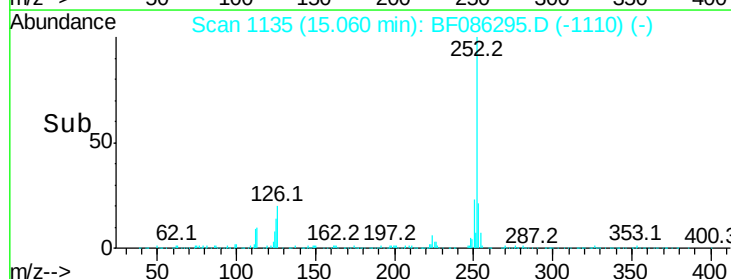
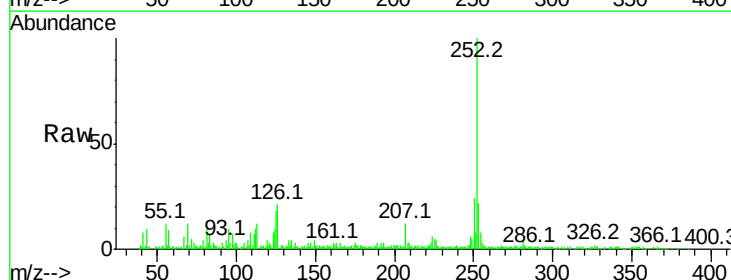
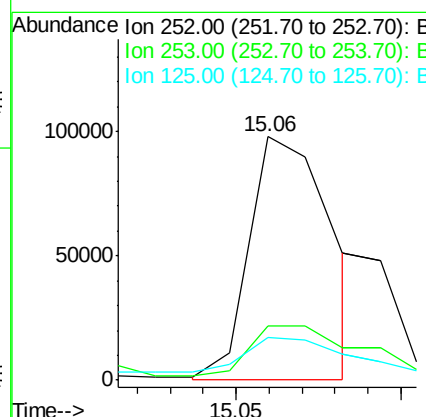
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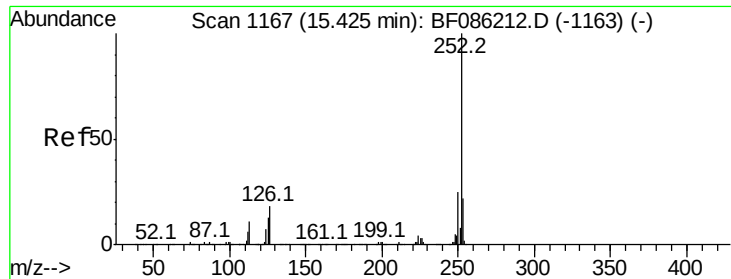
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#87
Benzo(b)fluoranthene
Concen: 6.68 ng m
RT: 15.06 min Scan# 1135
Delta R.T. -0.01 min
Lab File: BF086295.D
Acq: 18 Apr 2016 21:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	17.6	10.3	15.5#





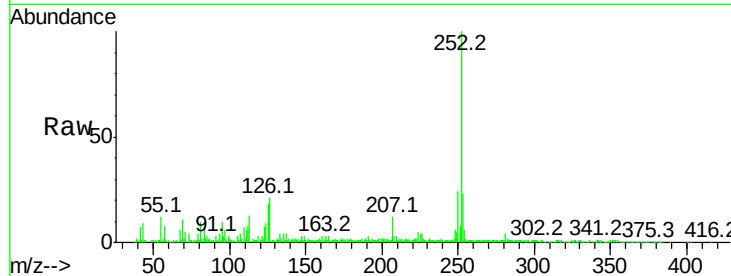
#89
Benzo(a)pyrene
Concen: 5.61 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BF086295.D
Acq: 18 Apr 2016 21:32

Instrument :
BNA_F
ClientSampled :
SP-1-B(0-2)

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.9	17.8	26.8
125	17.8	11.2	16.8

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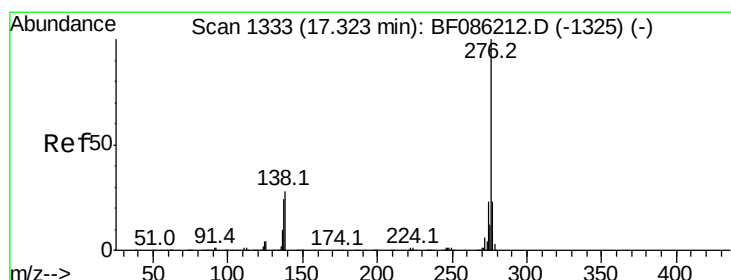
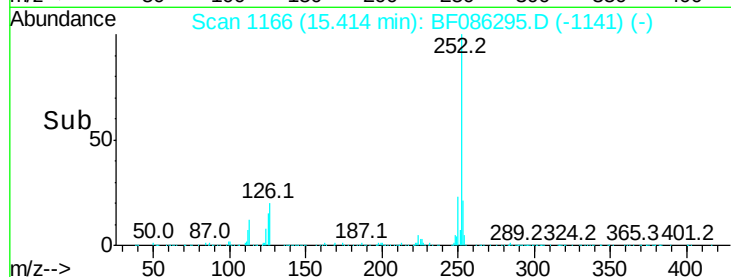
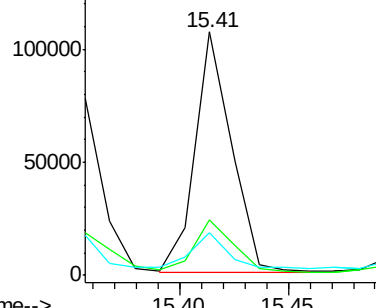


Abundance

Ion 252.00 (251.70 to 252.70): E

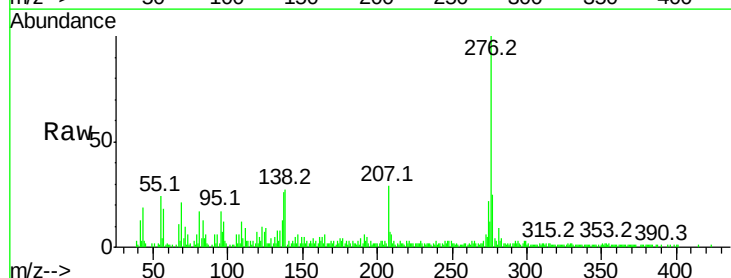
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 4.33 ng
RT: 17.31 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF086295.D
Acq: 18 Apr 2016 21:32

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	24.9	19.0	28.6
138	26.5	19.6	29.4



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

