

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
 Data File : BF086498.D
 Acq On : 29 Apr 2016 18:03
 Operator : UM/SJ
 Sample : H2784-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP3(3A-3B-3C-3D)

Manual Integrations
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 4/30/2016 11:22:47 AM

Quant Time: Apr 30 01:24:10 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	162190	20.00	ng	-0.03
21) Naphthalene-d8	8.06	136	683770	20.00	ng	-0.03
38) Acenaphthene-d10	9.81	164	284287	20.00	ng	-0.03
63) Phenanthrene-d10	11.30	188	458542	20.00	ng	-0.02
75) Chrysene-d12	13.93	240	318575	20.00	ng	-0.03
86) Perylene-d12	15.33	264	263600	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	1138140	121.04	ng	-0.01
7) Phenol-d6	6.42	99	1752409	133.53	ng	-0.02
23) Nitrobenzene-d5	7.34	82	1056289	83.27	ng	-0.03
41) 2,4,6-Tribromophenol	10.60	330	308901	103.04	ng	-0.03
44) 2-Fluorobiphenyl	9.14	172	1568757	100.23	ng	-0.03
78) Terphenyl-d14	12.89	244	1047423	72.43	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.54	163	142779	6.67	ng	99
70) Phenanthrene	11.32	178	117748	4.89	ng	98
74) Fluoranthene	12.50	202	213935	8.81	ng	98
77) Pyrene	12.73	202	211885	9.23	ng	99
80) Benzo(a)anthracene	13.92	228	109697	6.46	ng	95
82) Chrysene	13.95	228	92515m	5.01	ng	
85) Indeno(1,2,3-cd)pyrene	16.67	276	64143	4.69	ng	# 92
87) Benzo(b)fluoranthene	14.93	252	119769m	7.72	ng	
88) Benzo(k)fluoranthene	14.95	252	67167m	4.15	ng	
89) Benzo(a)pyrene	15.28	252	92056	6.29	ng	# 84
91) Benzo(g,h,i)perylene	17.07	276	73627	6.13	ng	98

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

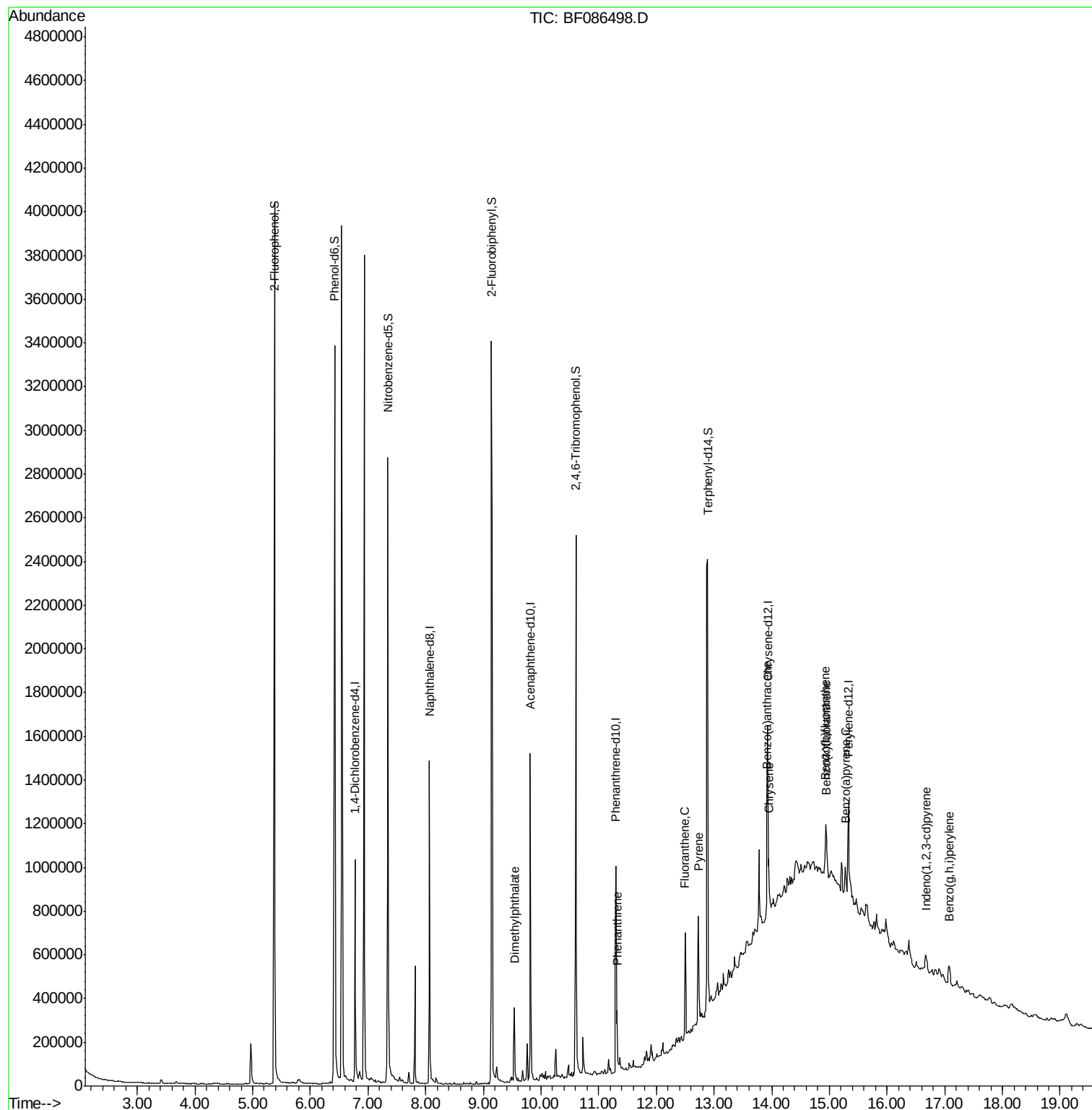
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086498.D
Acq On : 29 Apr 2016 18:03
Operator : UM/SJ
Sample : H2784-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

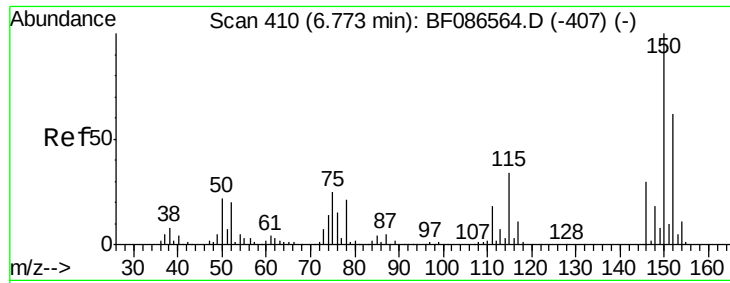
Instrument :
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#1

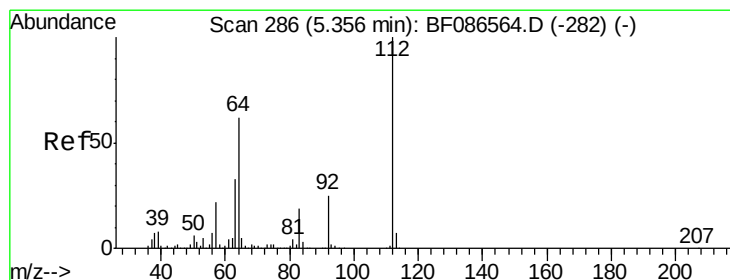
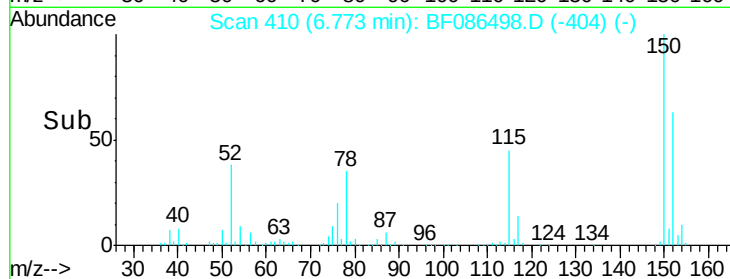
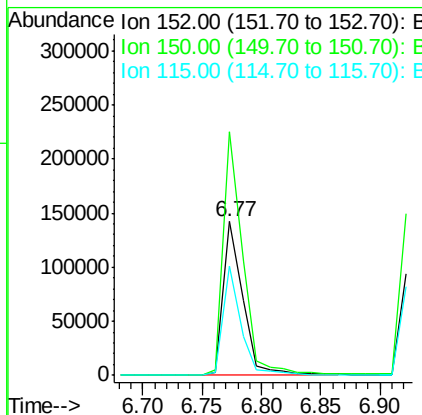
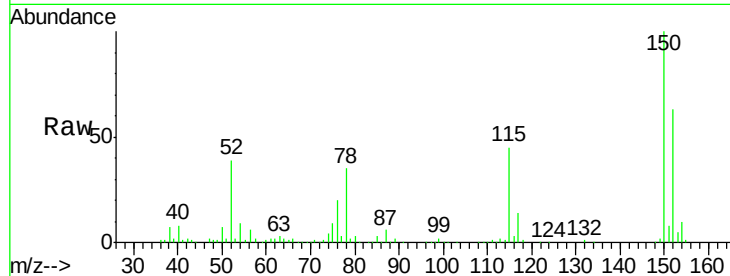
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 410
Delta R.T. -0.03 min
Lab File: BF086498.D
Acq: 29 Apr 2016 18:03

Instrument :
BNA_F
ClientSampleId :
COMP3(3A-3B-3C-3D)

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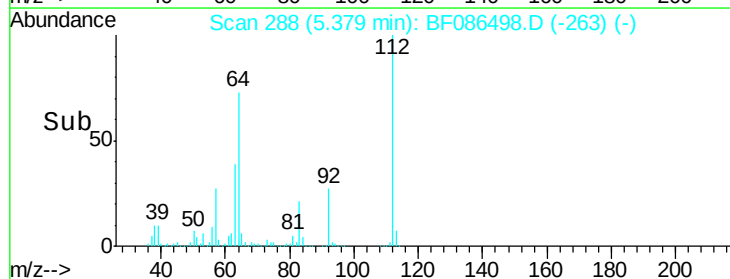
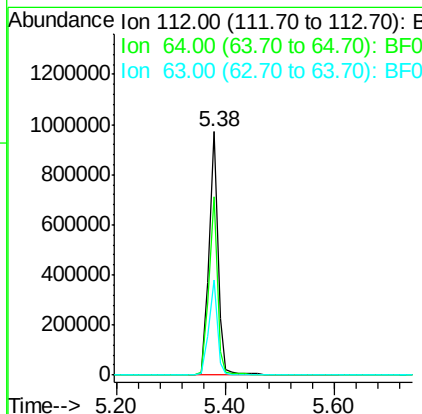
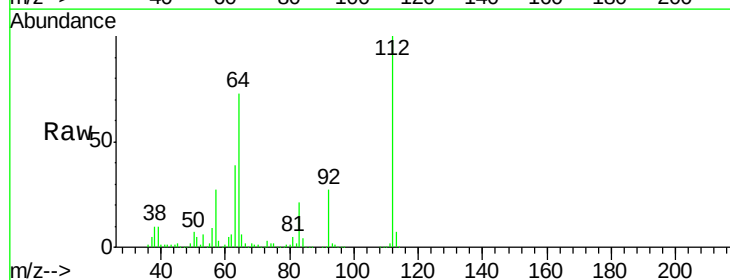
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	125.8	188.6
115	71.0	51.5	77.3

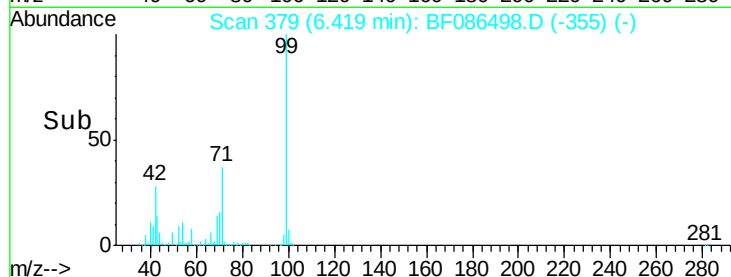
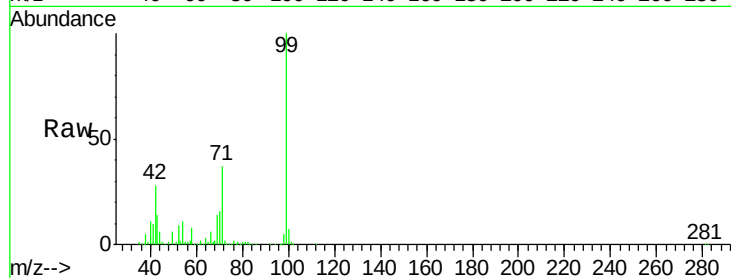
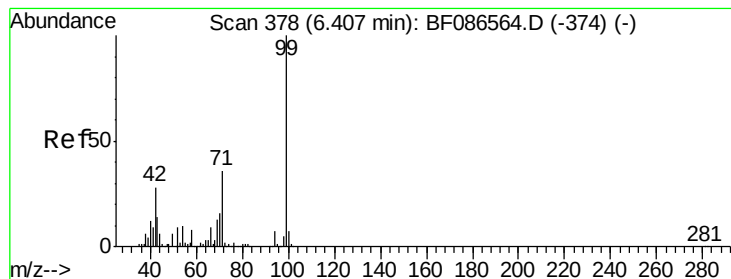


#5

2-Fluorophenol
Concen: 121.04 ng
RT: 5.38 min Scan# 288
Delta R.T. -0.01 min
Lab File: BF086498.D
Acq: 29 Apr 2016 18:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.2	52.1	78.1
63	39.3	25.7	38.5





#7

Phenol-d6

Concen: 133.53 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.02 min

Lab File: BF086498.D

Acq: 29 Apr 2016 18:03

Tot Ion: 99 Resp: 1752409

Ion Ratio Lower Upper

99 100

42 28.1 13.6 20.4#

71 36.8 24.6 36.8

Instrument :

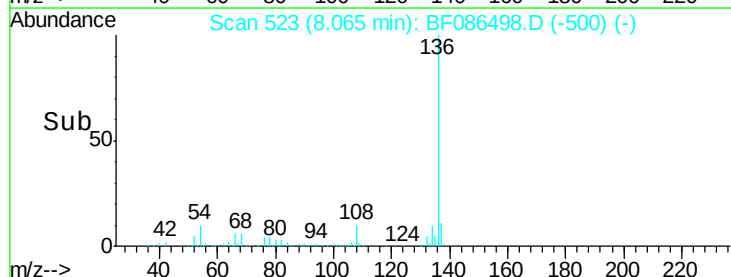
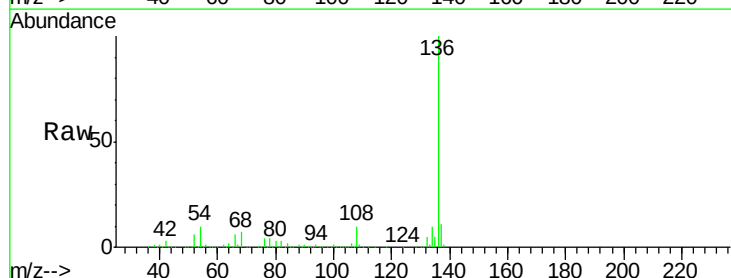
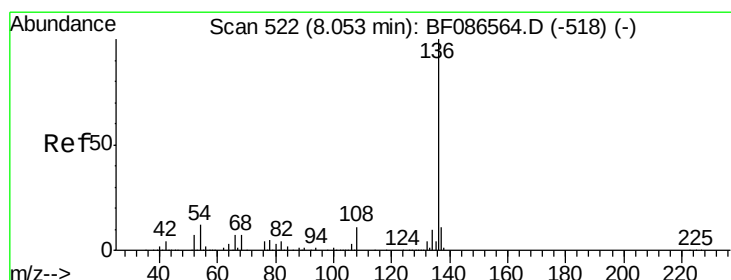
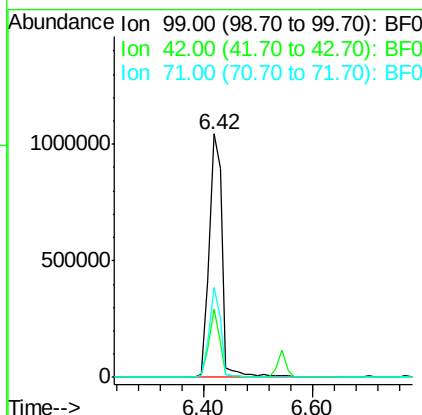
BNA_F

ClientSampleId :

COMP3(3A-3B-3C-3D)

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.03 min

Lab File: BF086498.D

Acq: 29 Apr 2016 18:03

Tgt Ion: 136 Resp: 683770

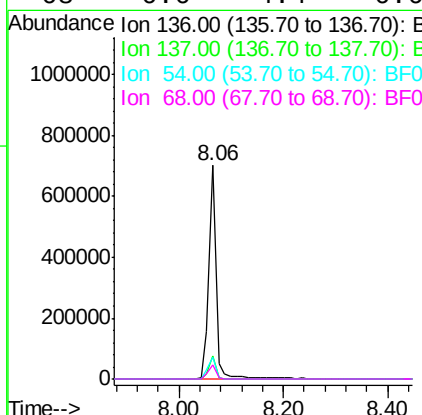
Ion Ratio Lower Upper

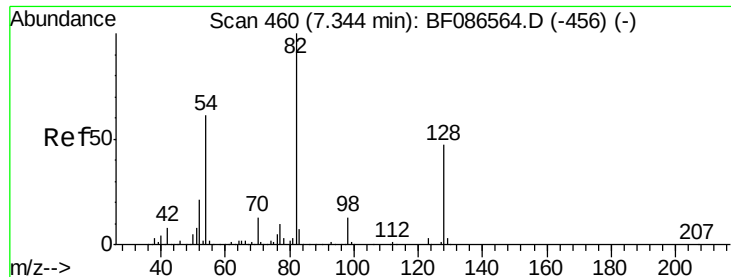
136 100

137 10.8 8.8 13.2

54 10.5 5.0 7.4#

68 6.6 4.4 6.6





#23

Nitrobenzene-d5

Concen: 83.27 ng

RT: 7.34 min Scan# 460

Delta R.T. -0.03 min

Lab File: BF086498.D

Acq: 29 Apr 2016 18:03

Instrument :

BNA_F

ClientSampleId :

COMP3(3A-3B-3C-3D)

Tot Ion: 82 Resp: 1056289

Ion Ratio Lower Upper

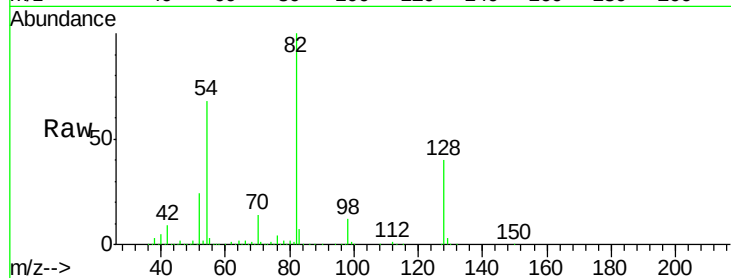
82 100

128 40.0 40.6 61.0#

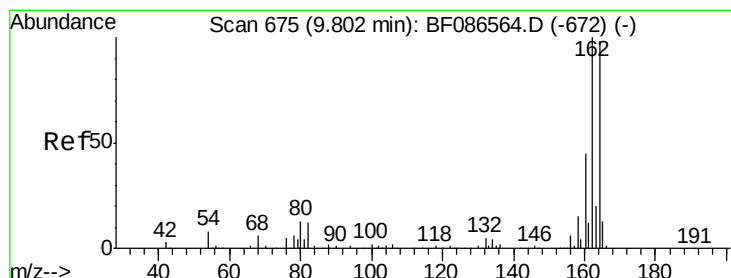
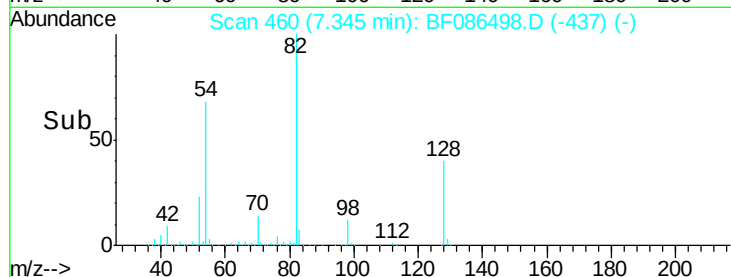
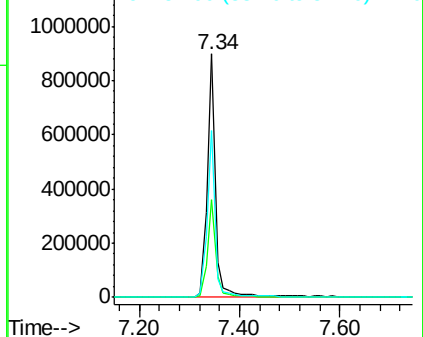
54 68.3 38.1 57.1#

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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: 9.81 min Scan# 676

Delta R.T. -0.03 min

Lab File: BF086498.D

Acq: 29 Apr 2016 18:03

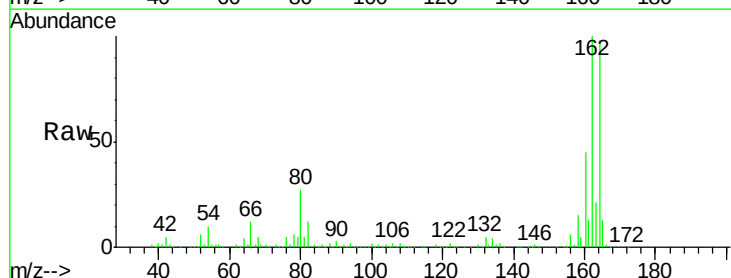
Tgt Ion:164 Resp: 284287

Ion Ratio Lower Upper

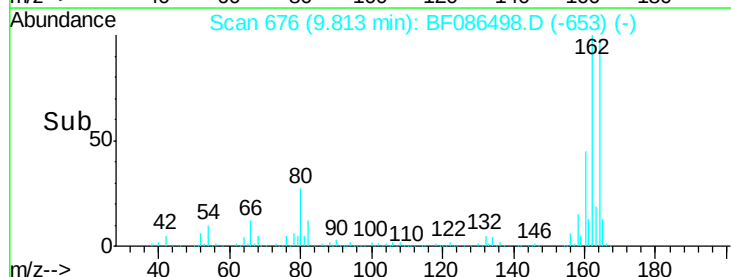
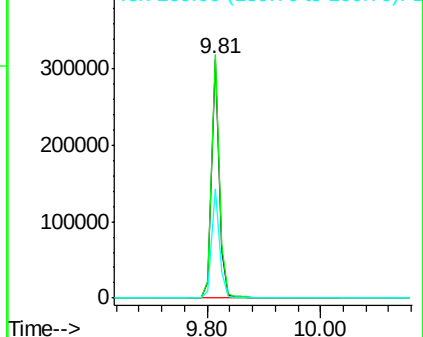
164 100

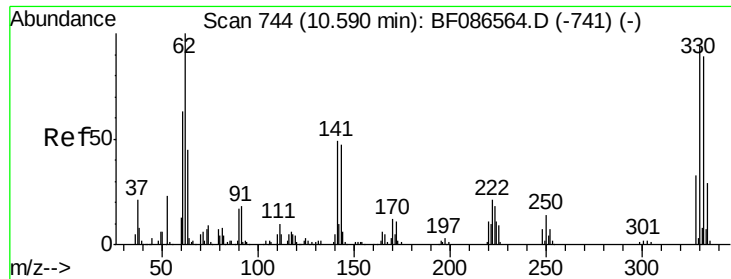
162 101.9 82.8 124.2

160 45.9 36.9 55.3



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





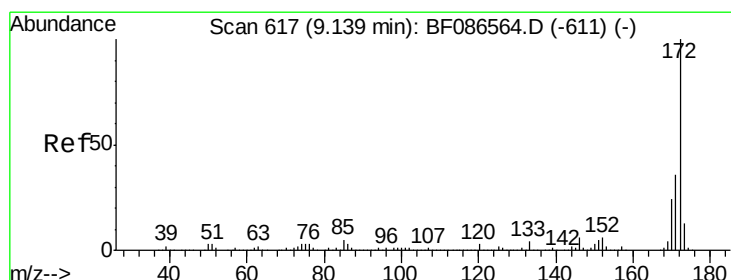
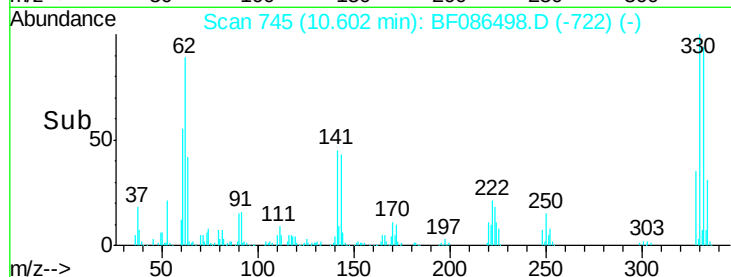
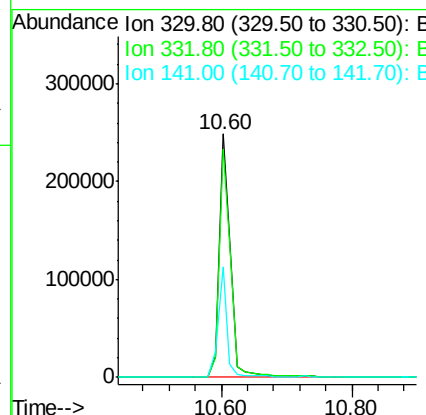
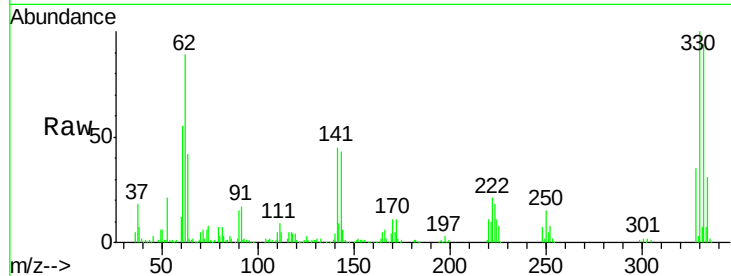
#41
 2,4,6-Tribromophenol
 Concen: 103.04 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.03 min
 Lab File: BF086498.D
 Acq: 29 Apr 2016 18:03

Instrument :
 BNA_F
 ClientSampleId :
 COMP3(3A-3B-3C-3D)

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.7	79.0	118.4	
141	36.5	31.2	46.8	

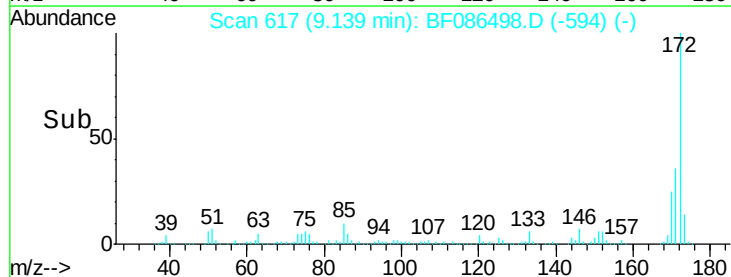
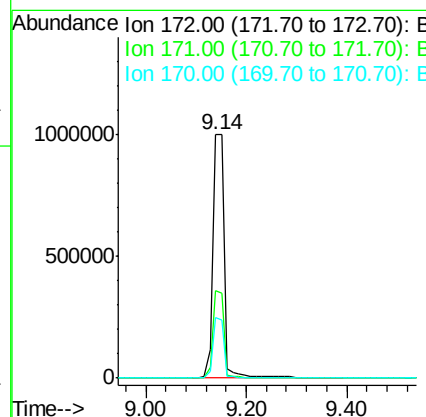
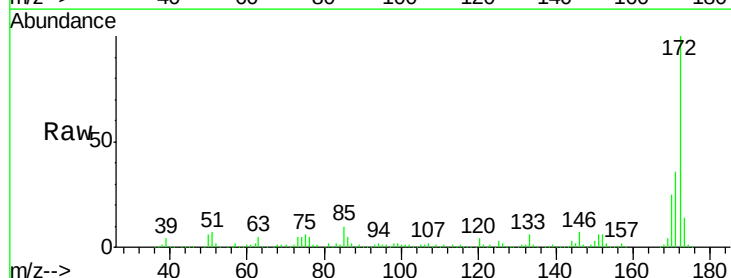
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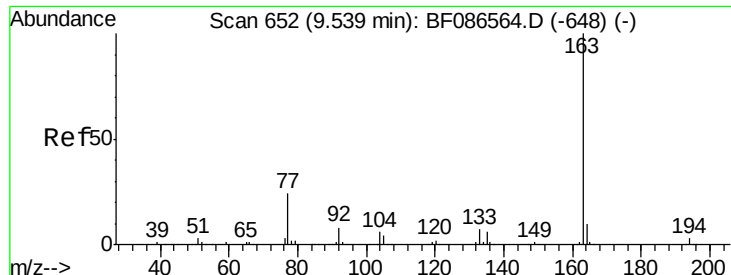
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#44
 2-Fluorobiphenyl
 Concen: 100.23 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.03 min
 Lab File: BF086498.D
 Acq: 29 Apr 2016 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.8	29.0	43.6	
170	24.7	19.8	29.8	





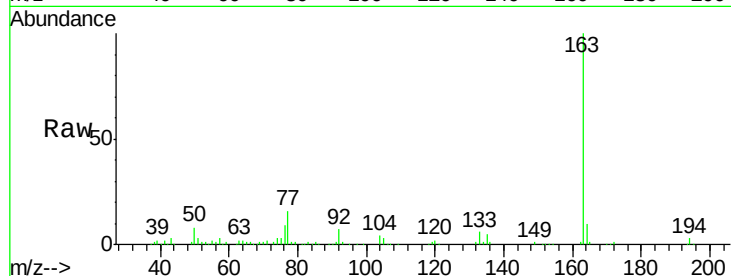
#49
Dimethylphthalate
Concen: 6.67 ng
RT: 9.54 min Scan# 652
Delta R.T. -0.03 min
Lab File: BF086498.D
Acq: 29 Apr 2016 18:03

Instrument :
BNA_F
ClientSampleId :
COMP3(3A-3B-3C-3D)

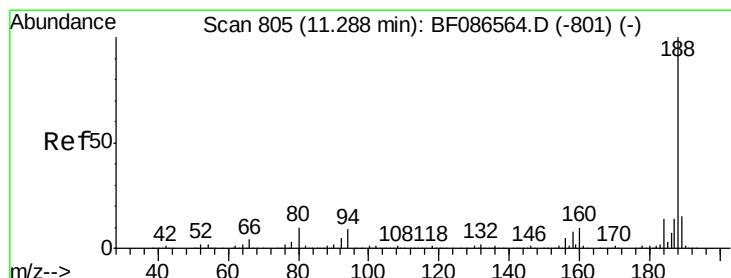
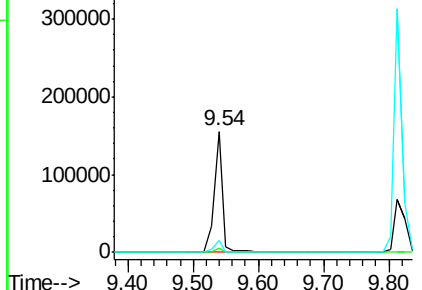
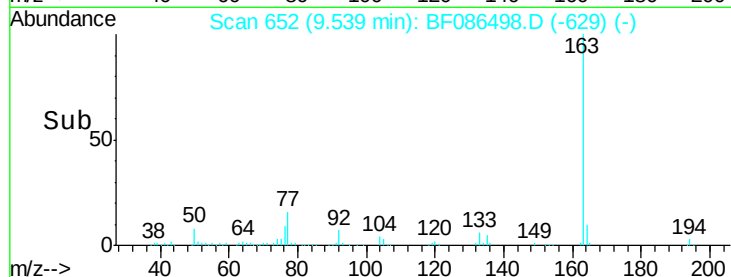
Tot Ion	Ratio	Resp	Lower	Upper
163	100	142779		
194	3.4		2.6	4.0
164	9.8		8.2	12.4

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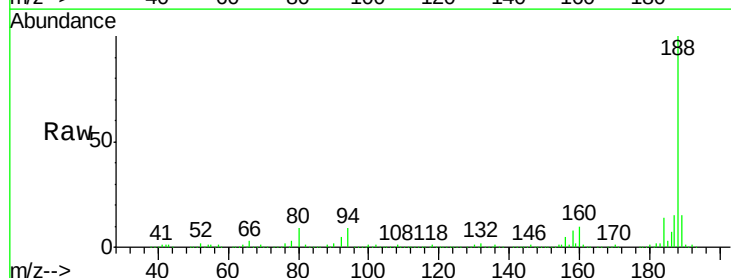


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

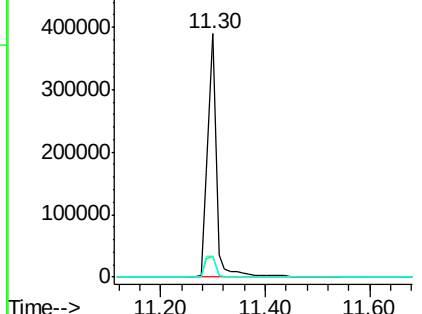
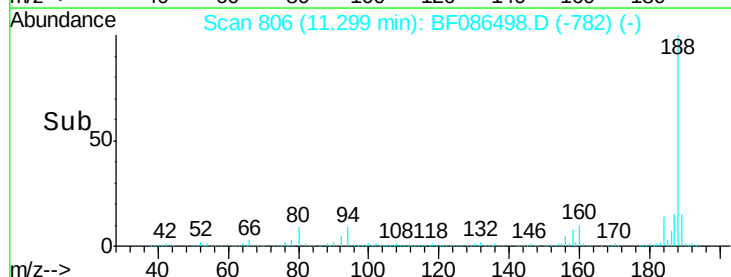


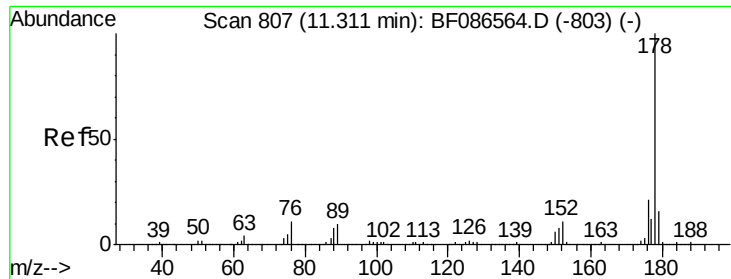
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.02 min
Lab File: BF086498.D
Acq: 29 Apr 2016 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	458542		
94	8.6		6.8	10.2
80	8.8		7.1	10.7



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: 4.89 ng

RT: 11.32 min Scan# 808

Delta R.T. -0.03 min

Lab File: BF086498.D

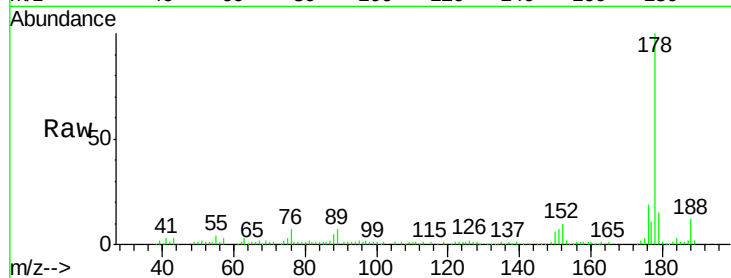
Acq: 29 Apr 2016 18:03

Instrument :

BNA_F

ClientSampleId :

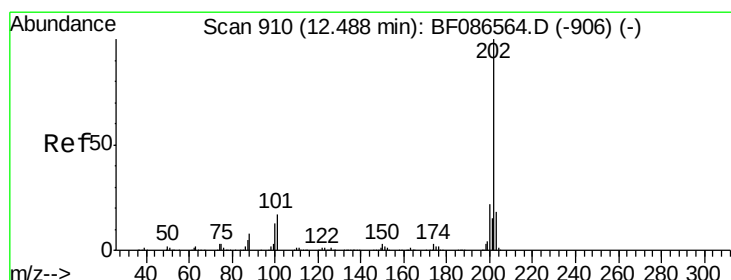
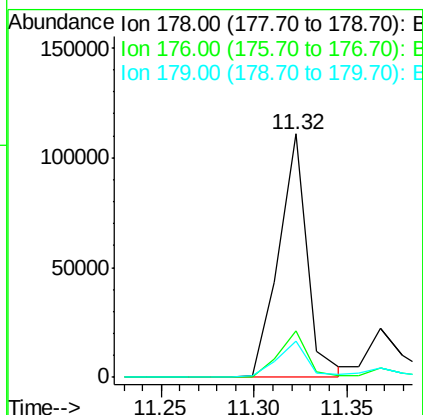
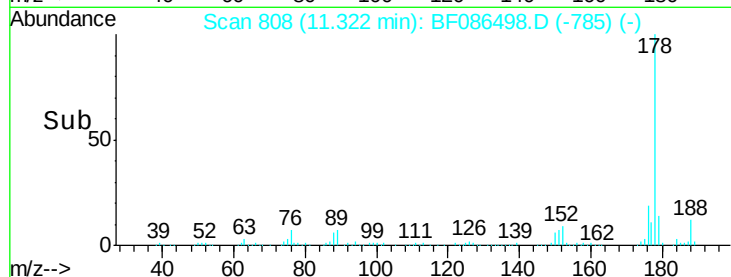
COMP3(3A-3B-3C-3D)



Tot Ion	Ion	Ratio	Resp	Lower	Upper
178	100				
176	19.2	16.0	24.0		
179	14.7	12.6	18.8		

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#74

Fluoranthene

Concen: 8.81 ng

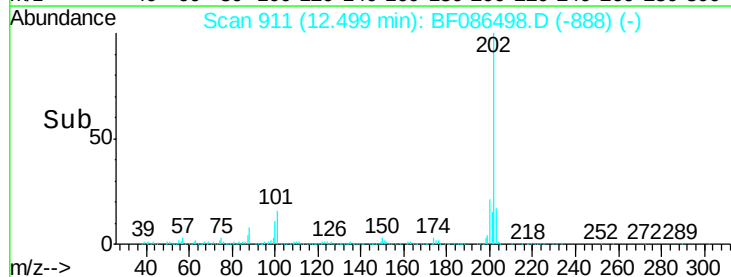
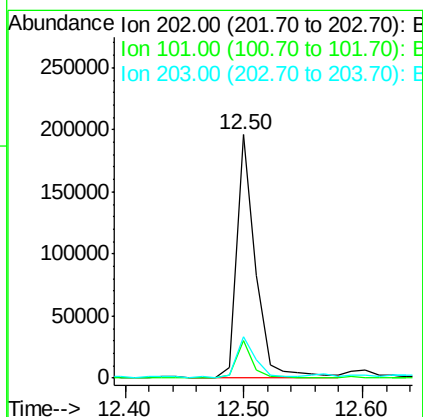
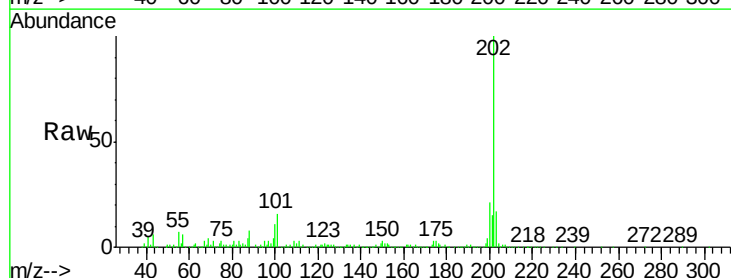
RT: 12.50 min Scan# 911

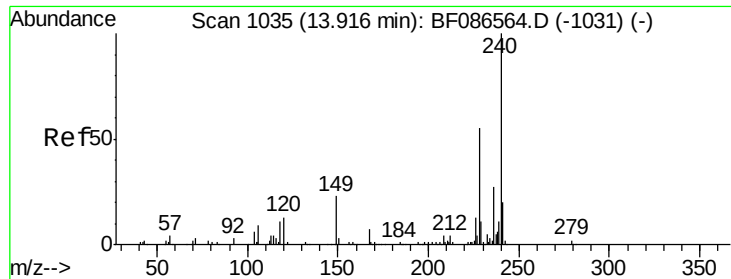
Delta R.T. -0.03 min

Lab File: BF086498.D

Acq: 29 Apr 2016 18:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	15.7	0.0	35.4		
203	17.1	0.0	38.1		





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.03 min

Lab File: BF086498.D

Acq: 29 Apr 2016 18:03

Instrument :

BNA_F

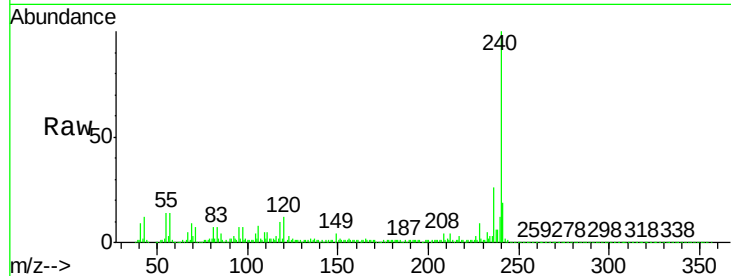
ClientSampleId :

COMP3(3A-3B-3C-3D)

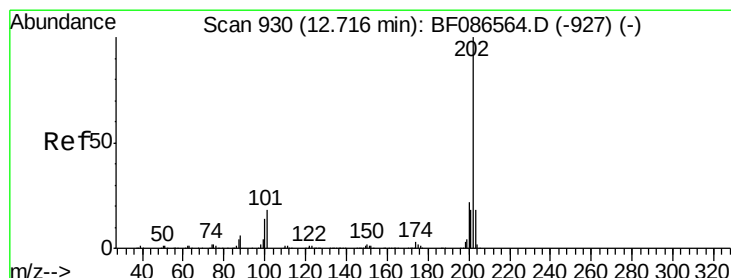
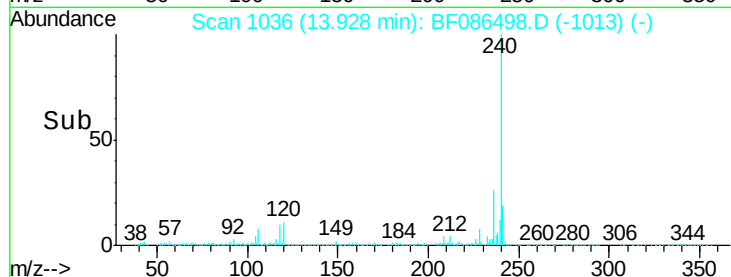
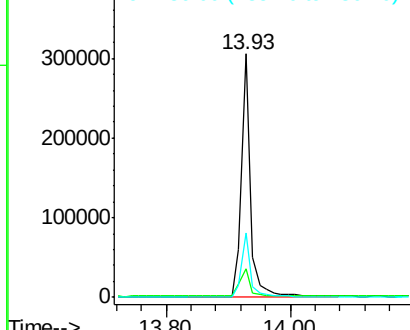
Tot Ion:	240	Resp:	318575
Ion Ratio	Lower	Upper	
240	100		
120	11.6	11.2	16.8
236	26.3	21.2	31.8

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



#77

Pyrene

Concen: 9.23 ng

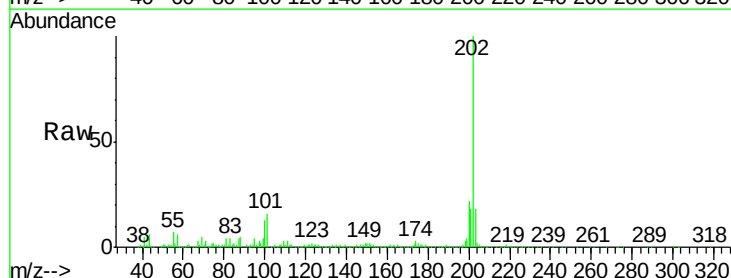
RT: 12.73 min Scan# 931

Delta R.T. -0.03 min

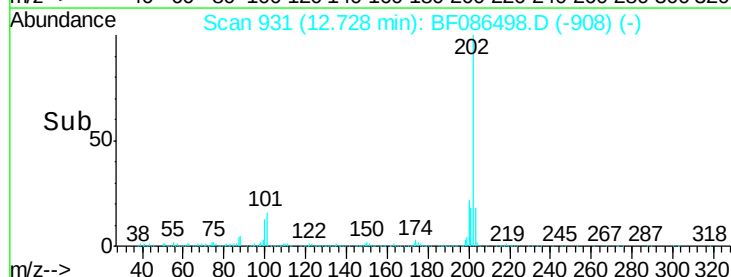
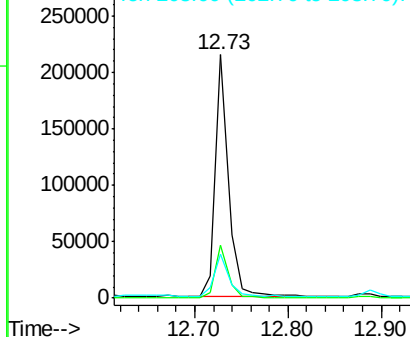
Lab File: BF086498.D

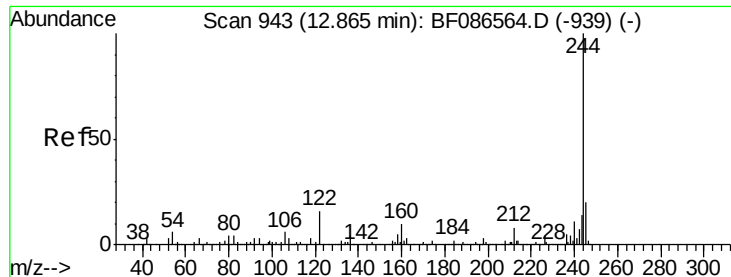
Acq: 29 Apr 2016 18:03

Tgt Ion:	202	Resp:	211885
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.7	26.5
203	18.3	14.2	21.4



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





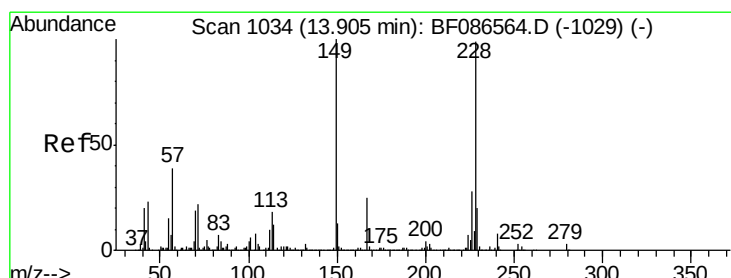
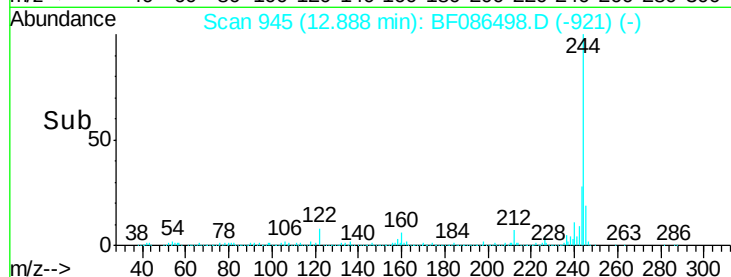
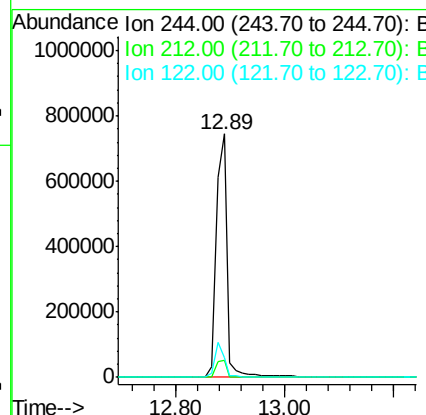
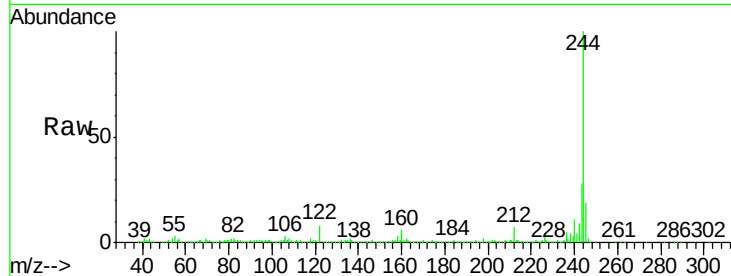
#78
 Terphenyl-d14
 Concen: 72.43 ng
 RT: 12.89 min Scan# 945
 Delta R.T. -0.02 min
 Lab File: BF086498.D
 Acq: 29 Apr 2016 18:03

Instrument :
 BNA_F
 ClientSampleId :
 COMP3(3A-3B-3C-3D)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.2	9.2
122	8.1	12.0	18.0

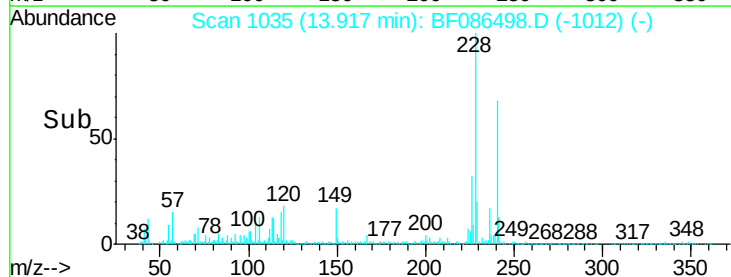
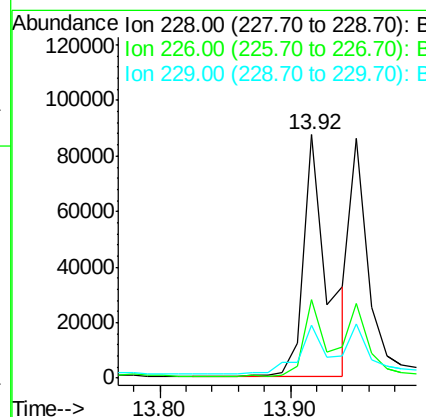
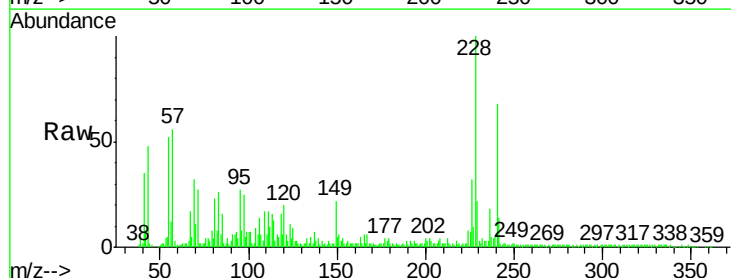
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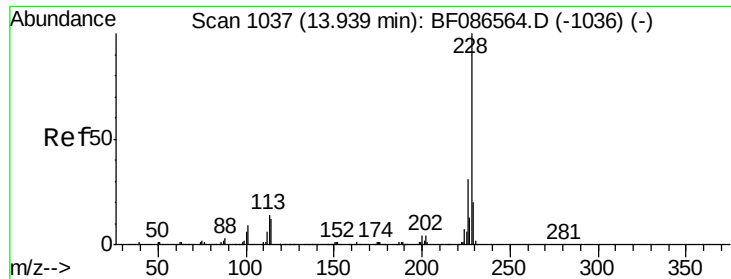
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#80
 Benzo(a)anthracene
 Concen: 6.46 ng
 RT: 13.92 min Scan# 1035
 Delta R.T. -0.03 min
 Lab File: BF086498.D
 Acq: 29 Apr 2016 18:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.2	22.5	33.7
229	21.6	16.6	25.0





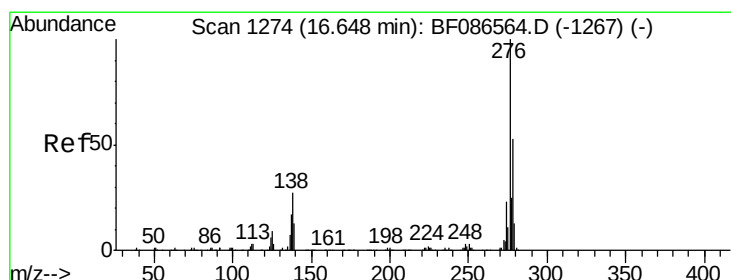
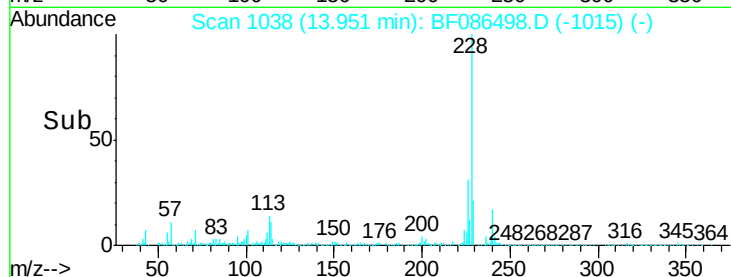
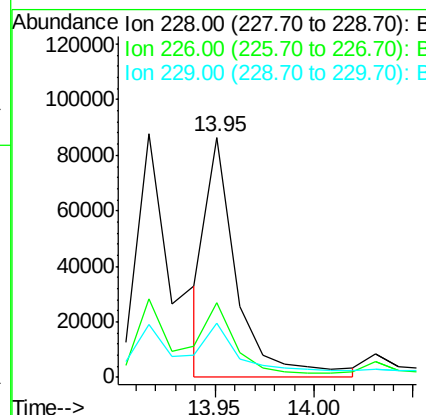
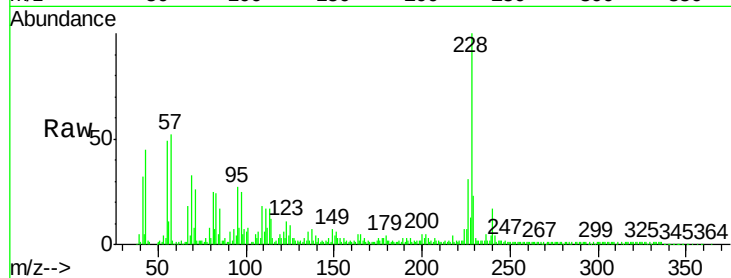
#82
Chrysene
Concen: 5.01 ng/ml
RT: 13.95 min Scan# 1038
Delta R.T. -0.03 min
Lab File: BF086498.D
Acq: 29 Apr 2016 18:03

Instrument :
BNA_F
ClientSampleId :
COMP3(3A-3B-3C-3D)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	31.3		24.4	36.6	
229	22.7		15.8	23.8	

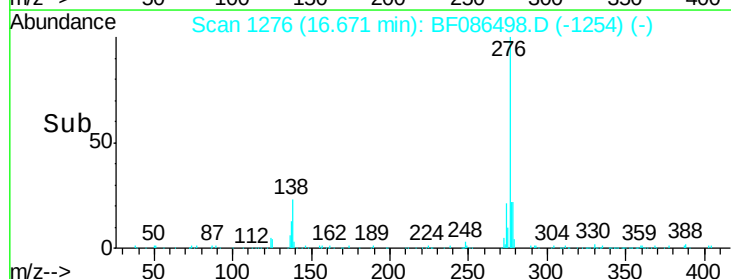
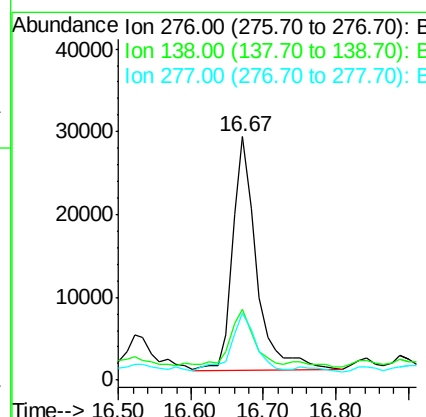
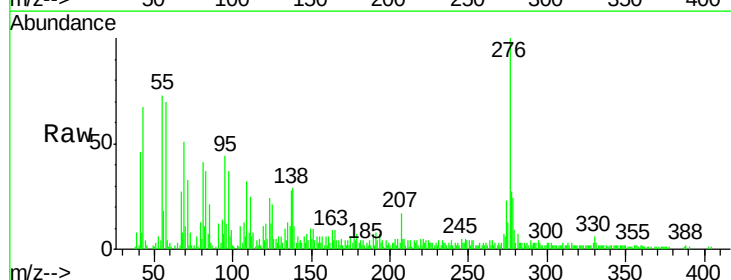
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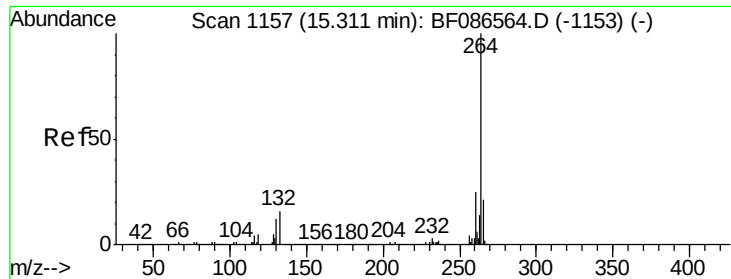
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.69 ng/ml
RT: 16.67 min Scan# 1276
Delta R.T. -0.05 min
Lab File: BF086498.D
Acq: 29 Apr 2016 18:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
138	25.4		25.6	38.4	#
277	23.9		20.5	30.7	





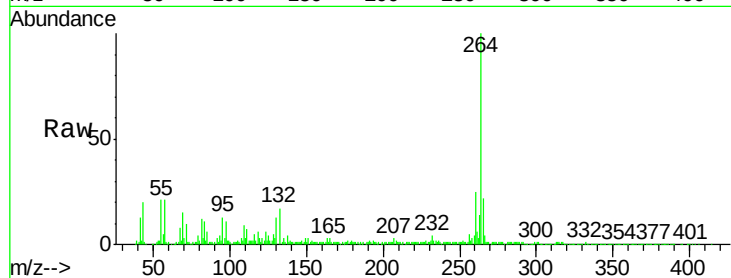
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 1159
Delta R.T. -0.02 min
Lab File: BF086498.D
Acq: 29 Apr 2016 18:03

Instrument :
BNA_F
ClientSampleId :
COMP3(3A-3B-3C-3D)

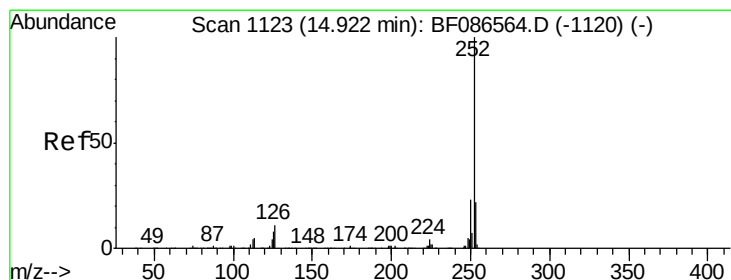
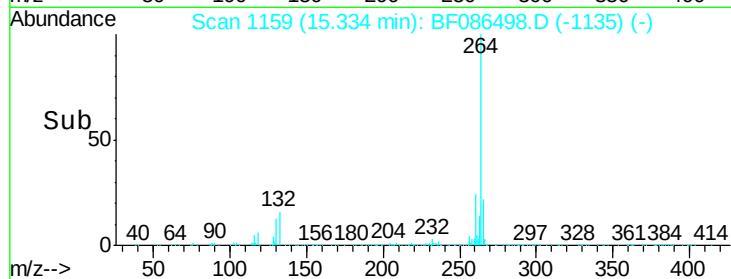
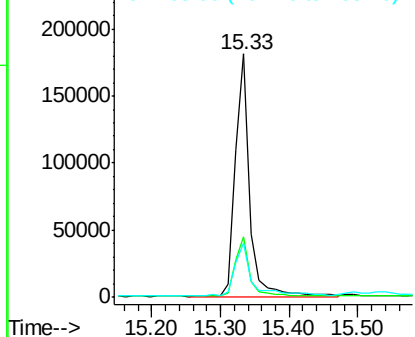
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	22.4	17.3	25.9

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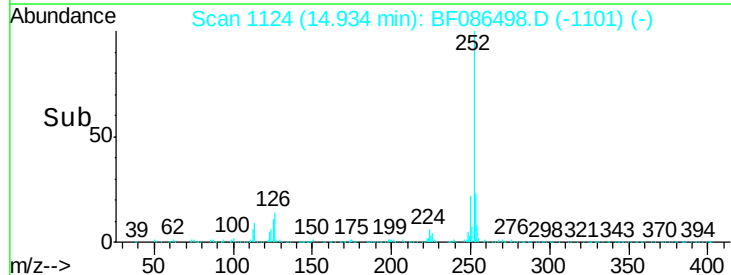
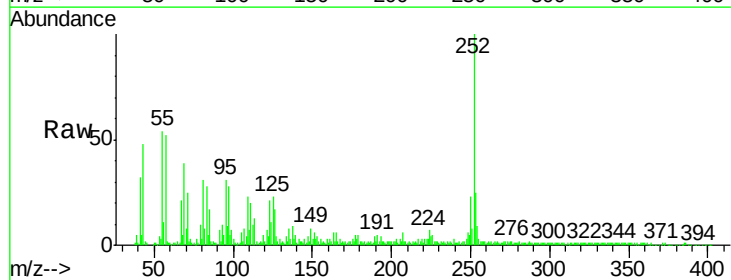
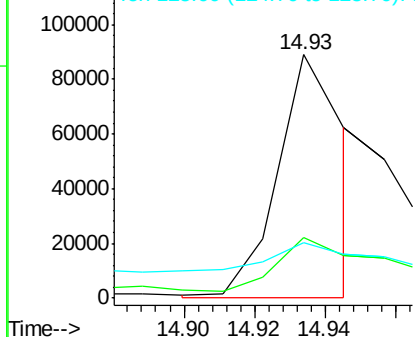
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

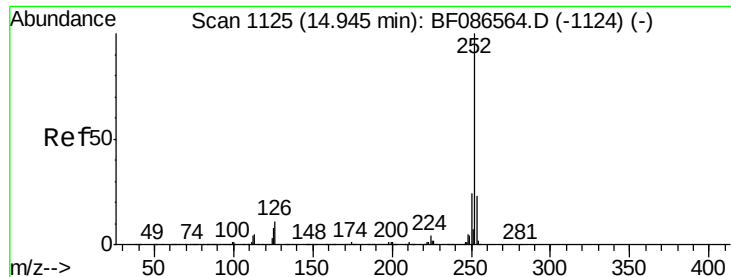


#87
Benzo(b)fluoranthene
Concen: 7.72 ng m
RT: 14.93 min Scan# 1124
Delta R.T. -0.03 min
Lab File: BF086498.D
Acq: 29 Apr 2016 18:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.6
125	22.6	11.4	17.0

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





#88

Benzo(k)fluoranthene

Concen: 4.15 ng/mL

RT: 14.95 min Scan# 1125

Delta R.T. -0.05 min

Lab File: BF086498.D

Acq: 29 Apr 2016 18:03

Instrument :

BNA_F

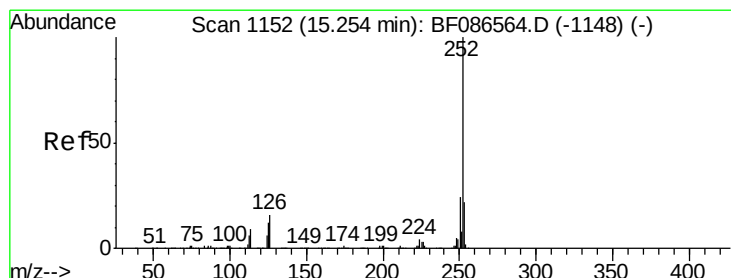
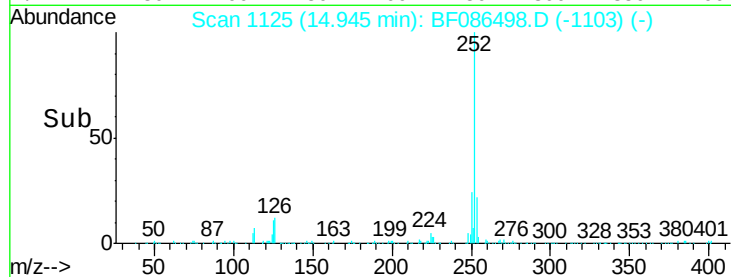
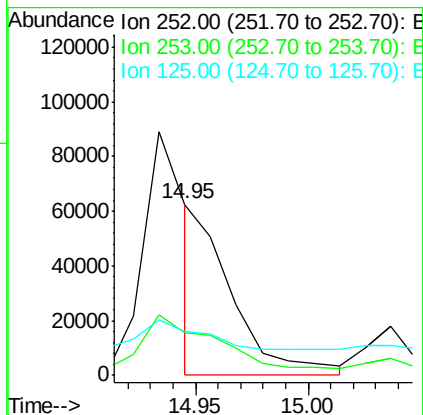
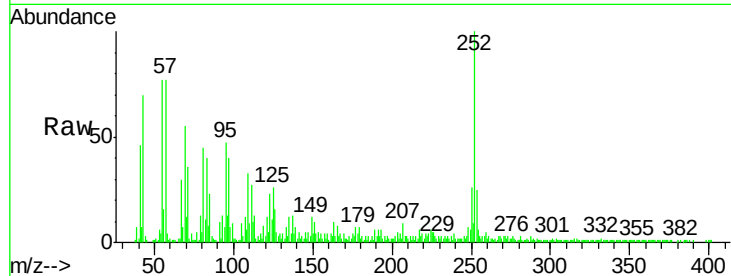
ClientSampleId :

COMP3(3A-3B-3C-3D)

Tot Ion:	252	Resp:	67167
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.8	26.6
125	26.0	9.1	13.7#

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#89

Benzo(a)pyrene

Concen: 6.29 ng/mL

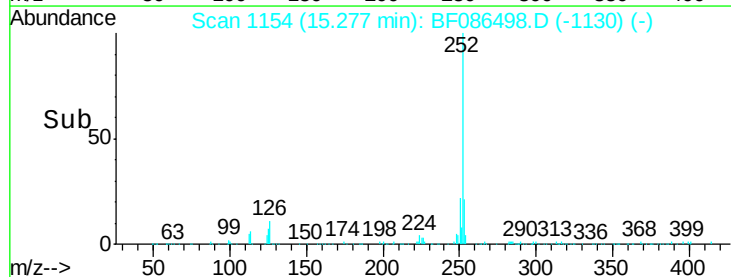
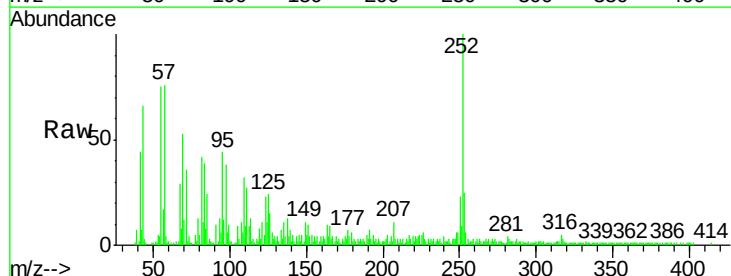
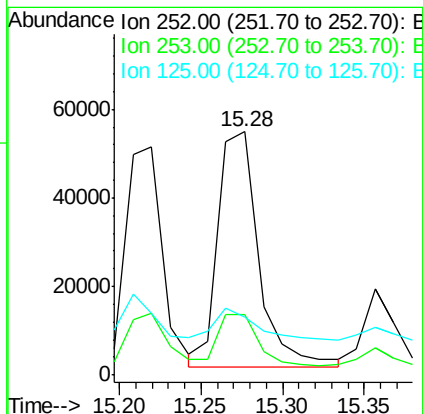
RT: 15.28 min Scan# 1154

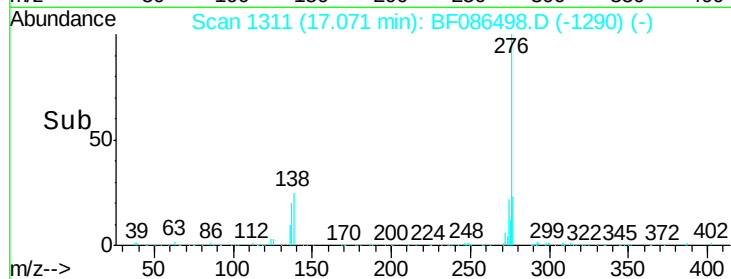
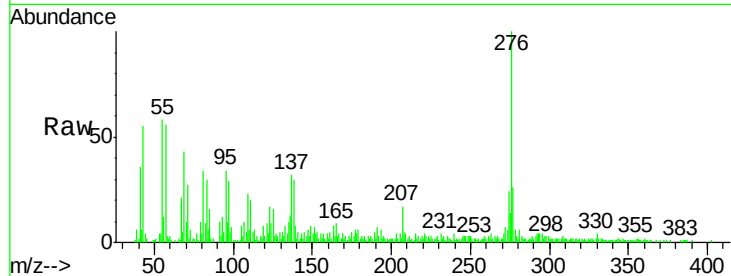
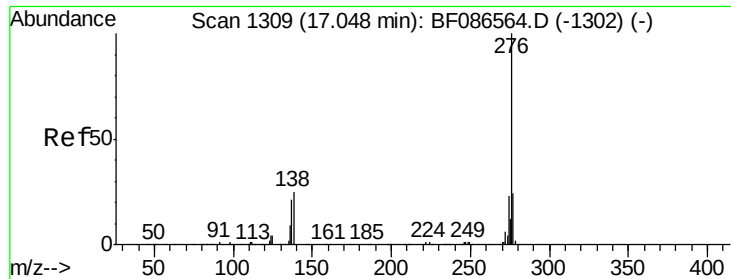
Delta R.T. -0.02 min

Lab File: BF086498.D

Acq: 29 Apr 2016 18:03

Tgt Ion:	252	Resp:	92056
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.2	25.8
125	23.8	9.0	13.6#





#91
 Benzo(a,h,i)perylene
 Concen: 6.13 ng
 RT: 17.07 min Scan# 1311
 Delta R.T. -0.06 min
 Lab File: BF086498.D
 Acq: 29 Apr 2016 18:03

Instrument :
 BNA_F
 ClientSampleId :
 COMP3(3A-3B-3C-3D)

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.6	29.4
138	30.1	23.6	35.4

Manual Integrations
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