

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
 Data File : BF086496.D
 Acq On : 29 Apr 2016 17:07
 Operator : UM/SJ
 Sample : H2784-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP1(1A-1B-1C-1D)

Manual Integrations
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 4/30/2016 11:23:11 AM

Quant Time: Apr 30 01:18:53 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	167590	20.00	ng	-0.03
21) Naphthalene-d8	8.06	136	730094	20.00	ng	-0.03
38) Acenaphthene-d10	9.81	164	315629	20.00	ng	-0.03
63) Phenanthrene-d10	11.30	188	534874	20.00	ng	-0.02
75) Chrysene-d12	13.93	240	360509	20.00	ng	-0.03
86) Perylene-d12	15.32	264	335493	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	1079680	111.12	ng	-0.01
7) Phenol-d6	6.42	99	1435425	105.85	ng	-0.02
23) Nitrobenzene-d5	7.34	82	947999	69.99	ng	-0.03
41) 2,4,6-Tribromophenol	10.60	330	274757	82.55	ng	-0.03
44) 2-Fluorobiphenyl	9.14	172	1276682	67.47	ng	-0.03
78) Terphenyl-d14	12.88	244	915962	55.98	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.54	163	133481	5.62	ng	99
70) Phenanthrene	11.32	178	89099	3.17	ng	99
74) Fluoranthene	12.50	202	170128	6.00	ng	97
77) Pyrene	12.73	202	151281	5.82	ng	99
80) Benzo(a)anthracene	13.92	228	63118	3.28	ng	94
82) Chrysene	13.95	228	72429m	3.47	ng	
87) Benzo(b)fluoranthene	14.93	252	96866m	4.91	ng	
89) Benzo(a)pyrene	15.27	252	67766	3.64	ng	# 95
91) Benzo(g,h,i)perylene	17.06	276	51892	3.40	ng	96

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

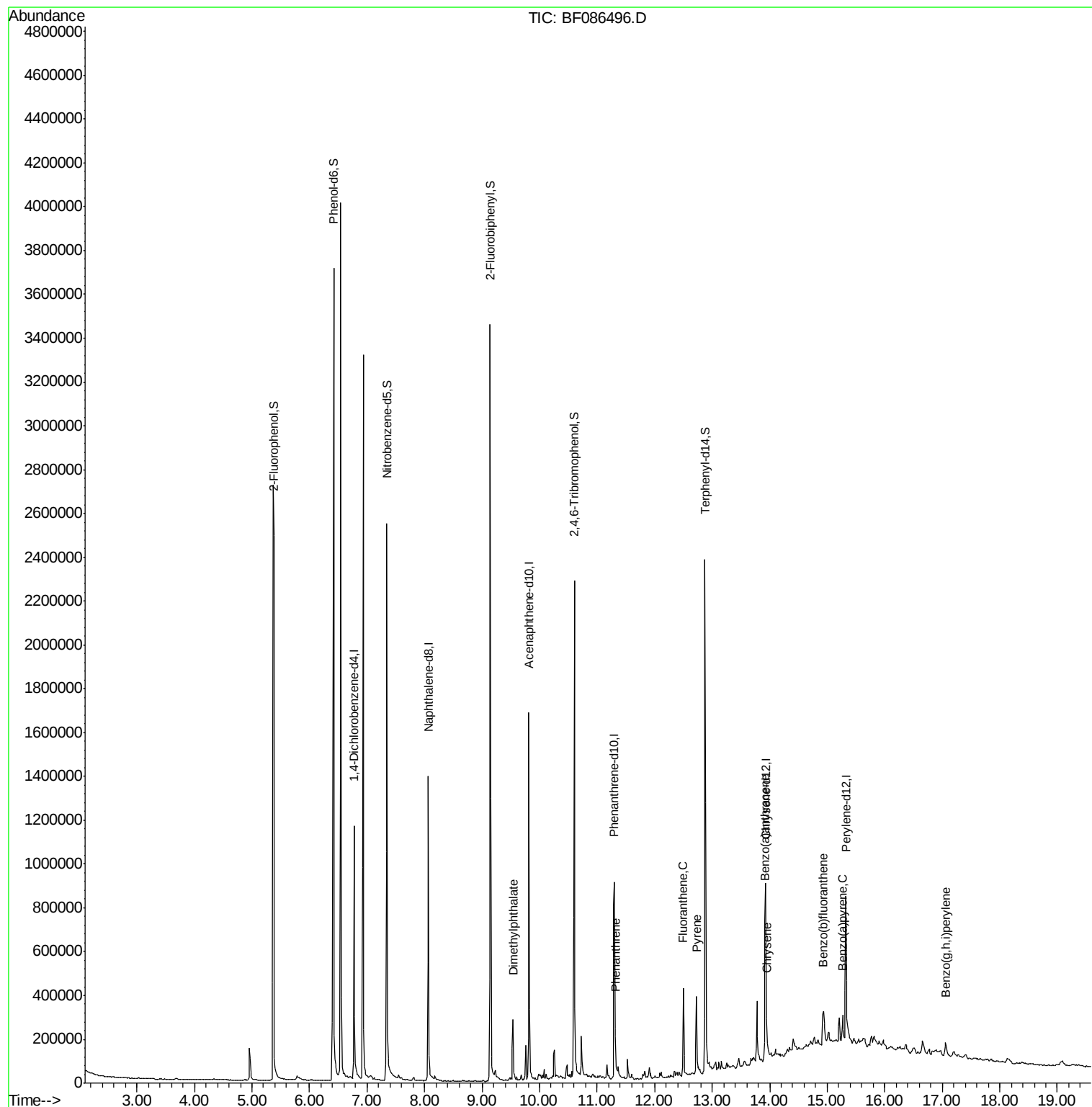
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086496.D
Acq On : 29 Apr 2016 17:07
Operator : UM/SJ
Sample : H2784-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

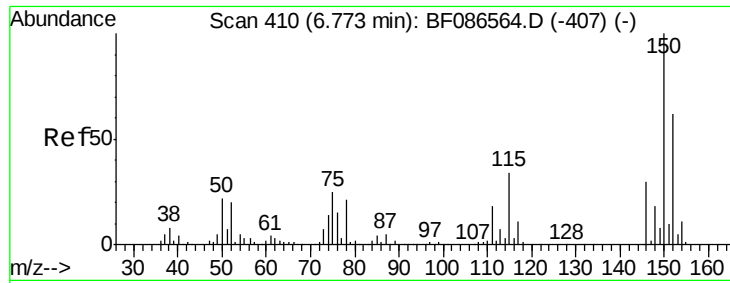
Instrument :
BNA_F
ClientSampleId :
COMP1(1A-1B-1C-1D)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

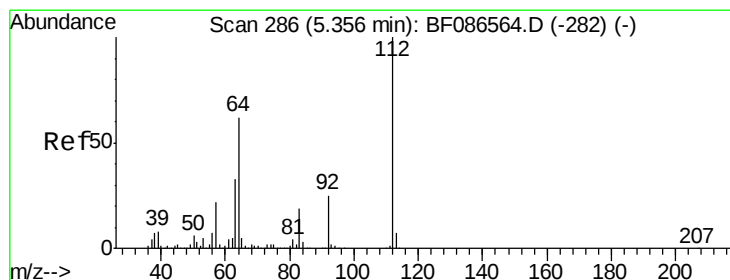
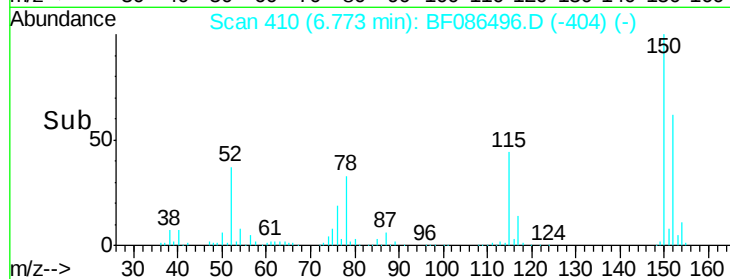
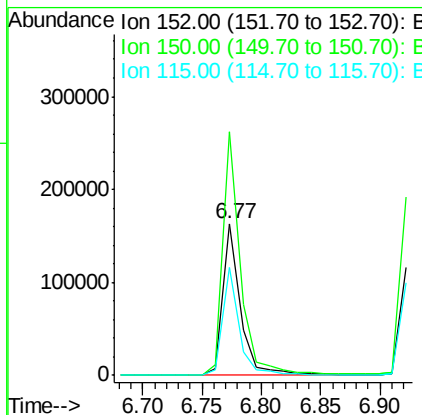
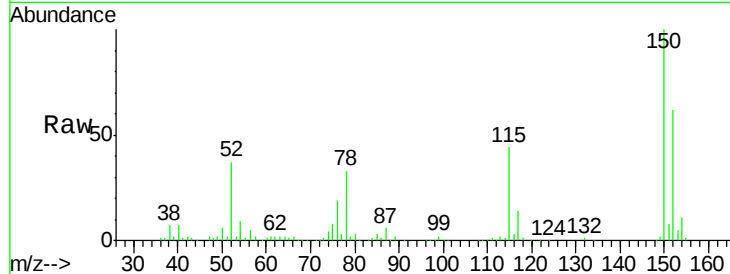
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 410
Delta R.T. -0.03 min
Lab File: BF086496.D
Acq: 29 Apr 2016 17:07

Instrument :
BNA_F
ClientSampleId :
COMP1(1A-1B-1C-1D)

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	125.8	188.6
115	70.9	51.5	77.3

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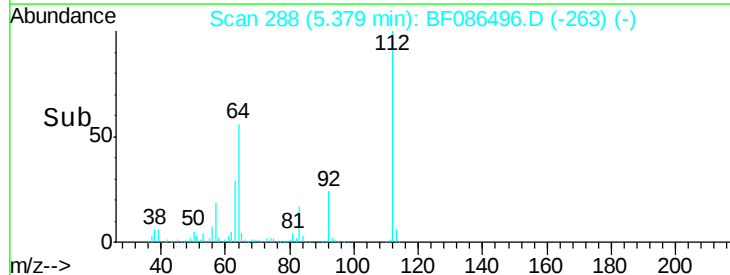
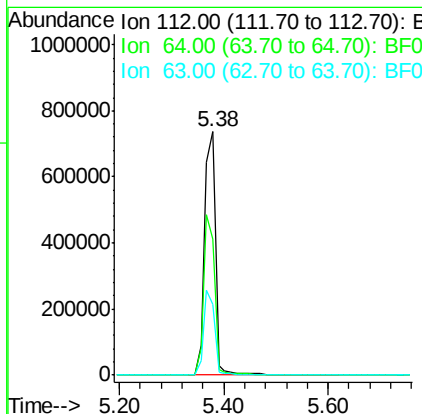
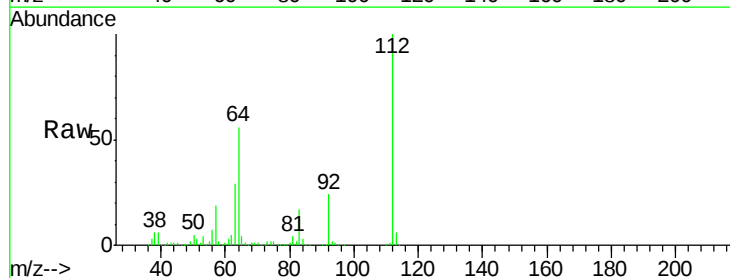
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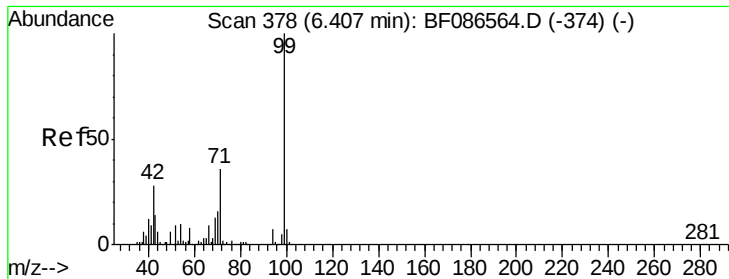


#5

2-Fluorophenol
Concen: 111.12 ng
RT: 5.38 min Scan# 288
Delta R.T. -0.01 min
Lab File: BF086496.D
Acq: 29 Apr 2016 17:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	52.1	78.1
63	29.2	25.7	38.5





#7

Phenol-d6

Concen: 105.85 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.02 min

Lab File: BF086496.D

Acq: 29 Apr 2016 17:07

Instrument :

BNA_F

ClientSampleId :

COMP1(1A-1B-1C-1D)

Tot Ion: 99 Resp: 1435425

Ion Ratio Lower Upper

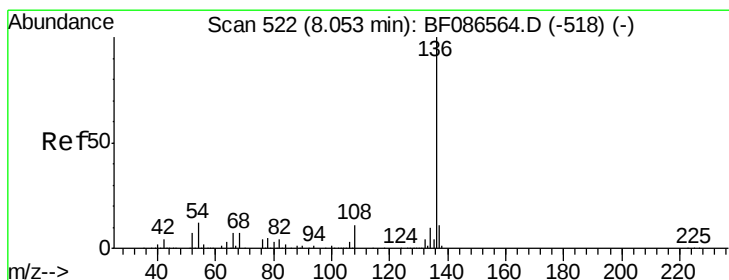
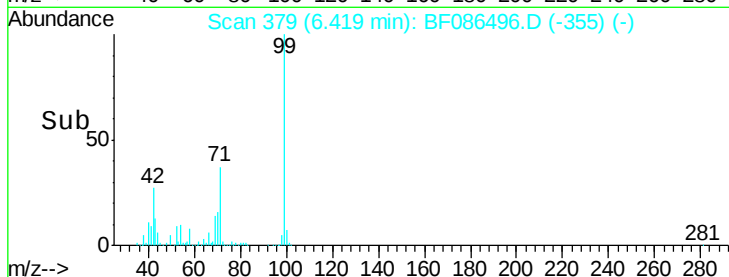
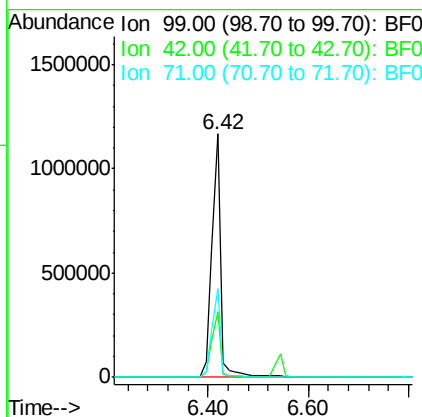
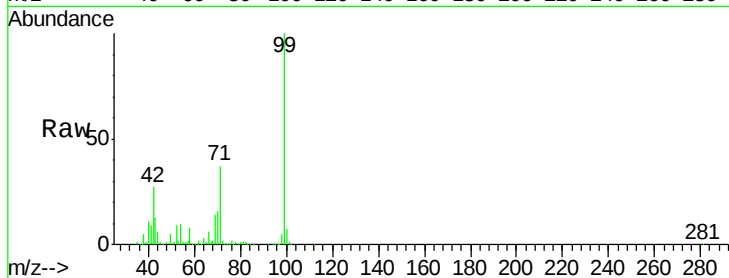
99 100

42 26.8 13.6 20.4#

71 36.6 24.6 36.8

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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: BF086496.D

Acq: 29 Apr 2016 17:07

Tgt Ion: 136 Resp: 730094

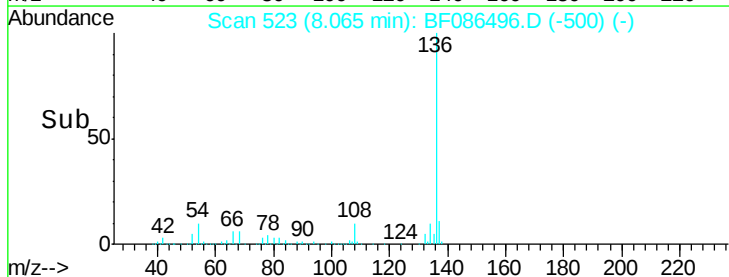
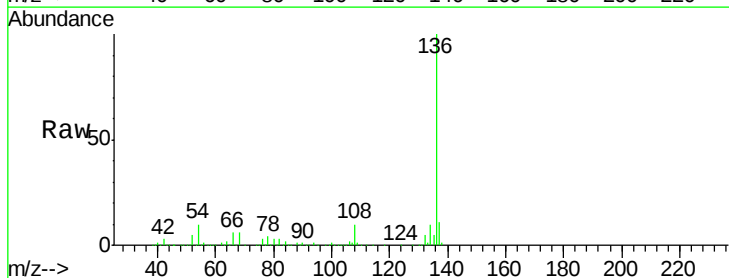
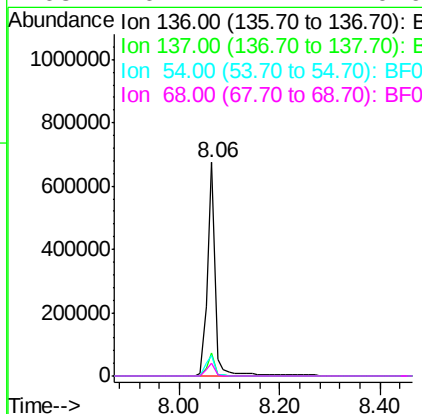
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 9.9 5.0 7.4#

68 6.1 4.4 6.6





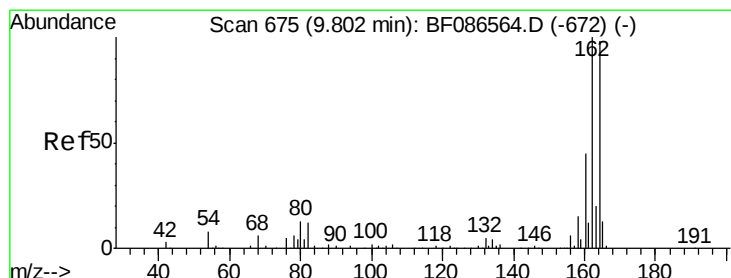
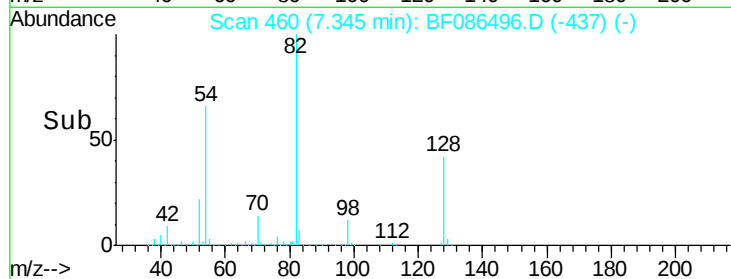
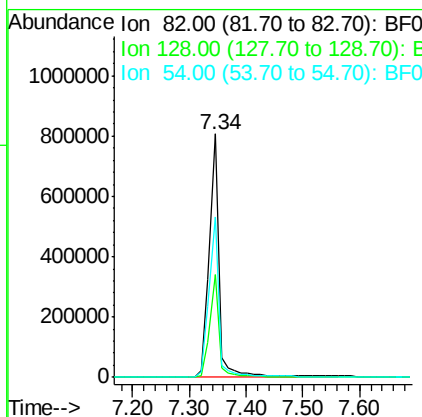
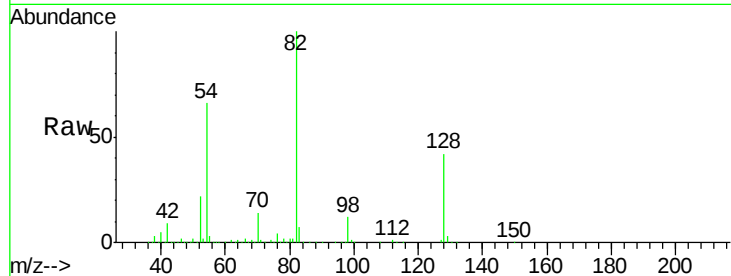
#23
 Nitrobenzene-d5
 Concen: 69.99 ng
 RT: 7.34 min Scan# 460
 Delta R.T. -0.03 min
 Lab File: BF086496.D
 Acq: 29 Apr 2016 17:07

Instrument :
 BNA_F
 ClientSampleId :
 COMP1(1A-1B-1C-1D)

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.3	40.6	61.0
54	65.8	38.1	57.1

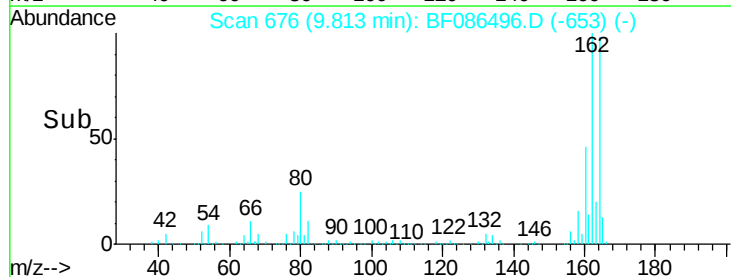
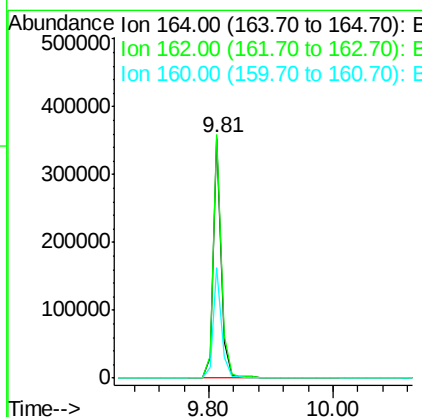
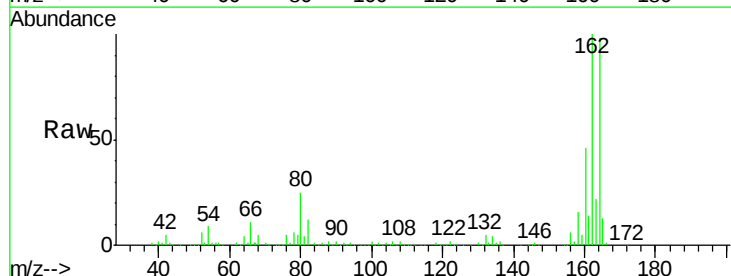
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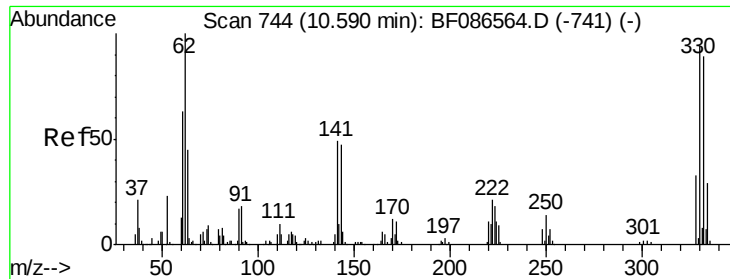
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 676
 Delta R.T. -0.03 min
 Lab File: BF086496.D
 Acq: 29 Apr 2016 17:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	82.8	124.2
160	46.2	36.9	55.3





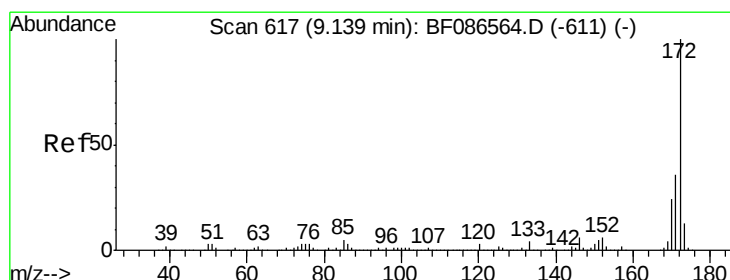
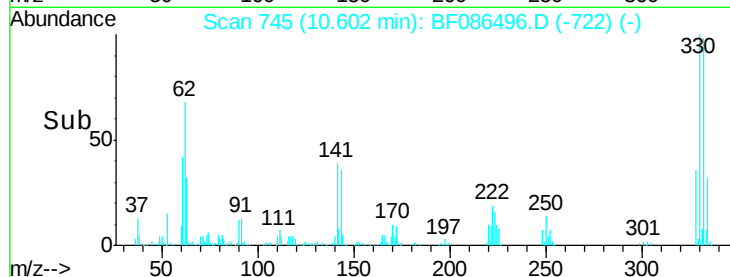
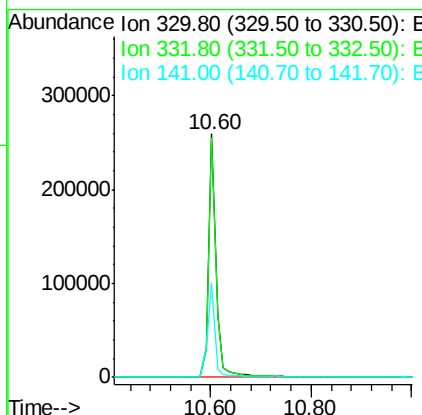
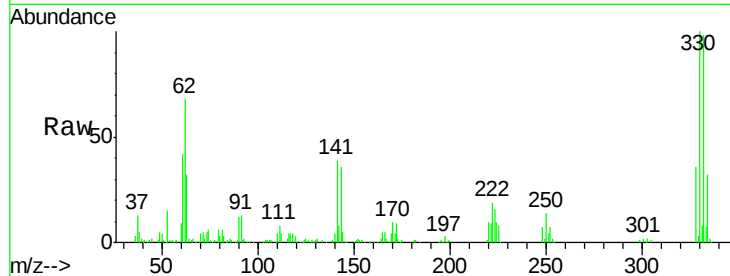
#41
 2,4,6-Tribromophenol
 Concen: 82.55 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.03 min
 Lab File: BF086496.D
 Acq: 29 Apr 2016 17:07

Instrument :
 BNA_F
 ClientSampleId :
 COMP1(1A-1B-1C-1D)

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	79.0	118.4
141	38.6	31.2	46.8

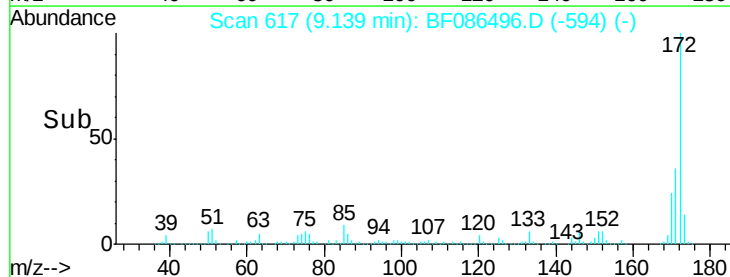
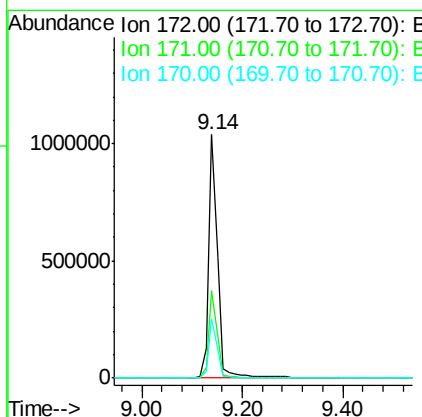
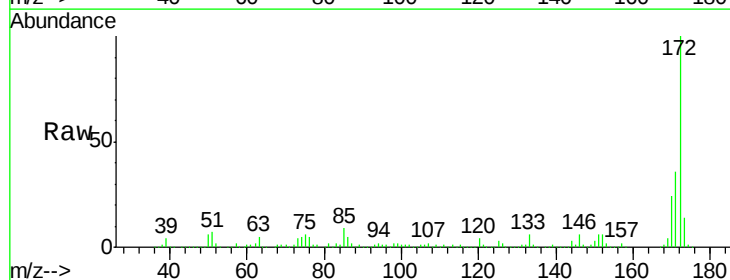
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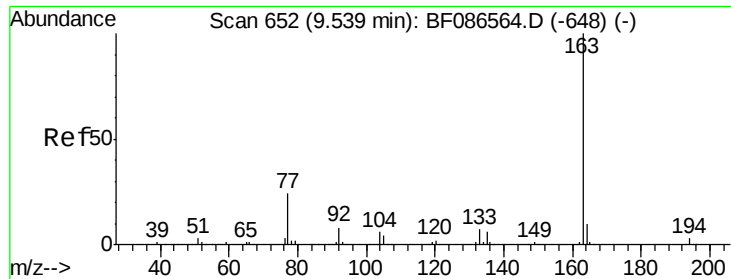
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#44
 2-Fluorobiphenyl
 Concen: 67.47 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.03 min
 Lab File: BF086496.D
 Acq: 29 Apr 2016 17:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.6
170	24.4	19.8	29.8





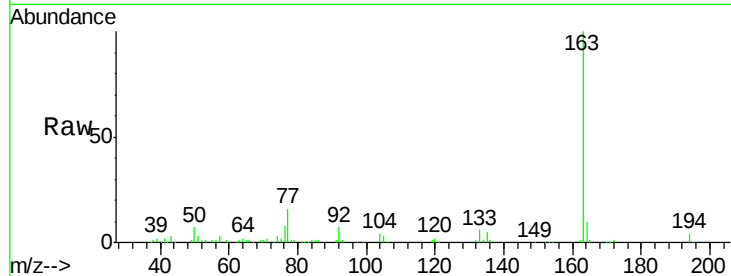
#49
Dimethylphthalate
Concen: 5.62 ng
RT: 9.54 min Scan# 652
Delta R.T. -0.03 min
Lab File: BF086496.D
Acq: 29 Apr 2016 17:07

Instrument :
BNA_F
ClientSampleId :
COMP1(1A-1B-1C-1D)

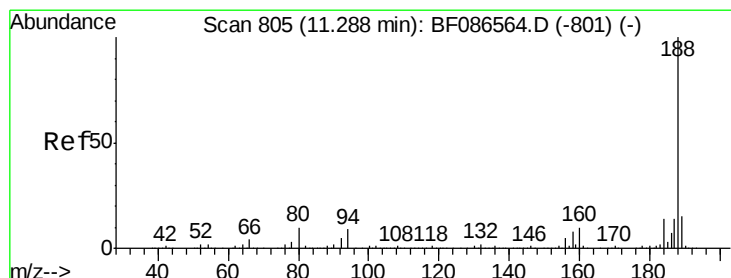
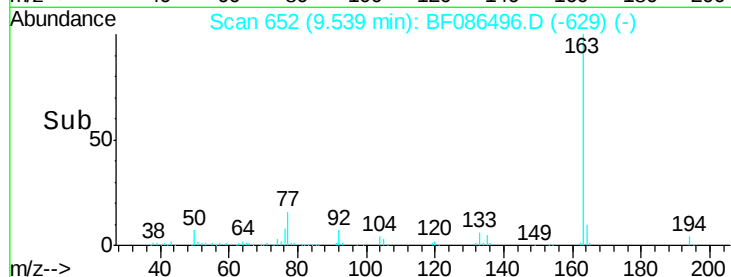
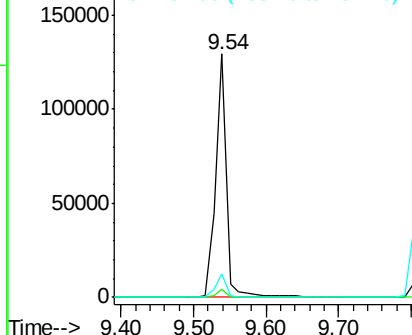
Tot Ion	Ratio	Resp	Lower	Upper
163	100	133481		
194	3.5	2.6	4.0	
164	9.8	8.2	12.4	

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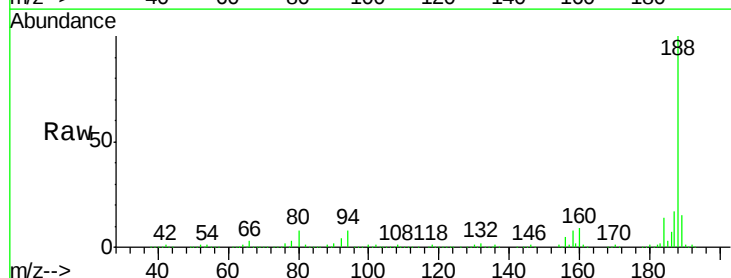


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

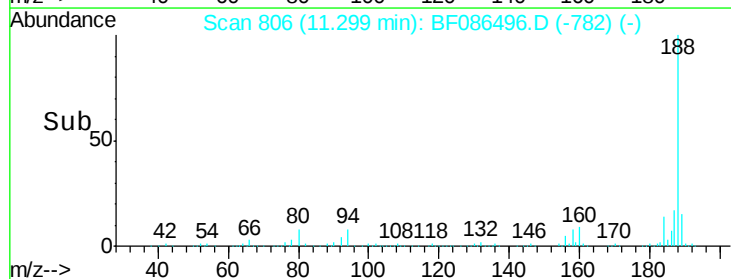
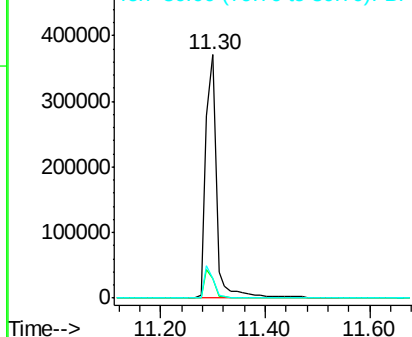


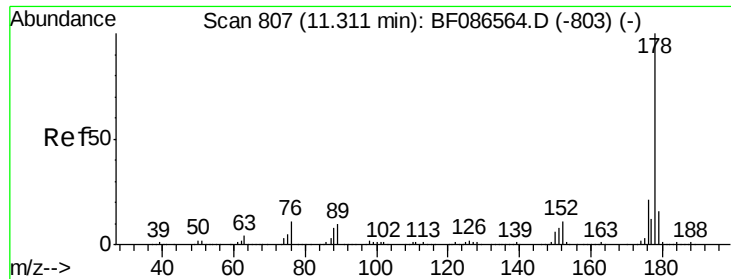
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.02 min
Lab File: BF086496.D
Acq: 29 Apr 2016 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	534874		
94	8.0	6.8	10.2	
80	8.0	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





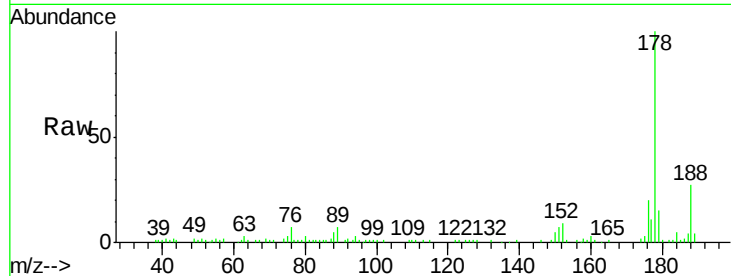
#70
Phenanthrene
Concen: 3.17 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.03 min
Lab File: BF086496.D
Acq: 29 Apr 2016 17:07

Instrument :
BNA_F
ClientSampleId :
COMP1(1A-1B-1C-1D)

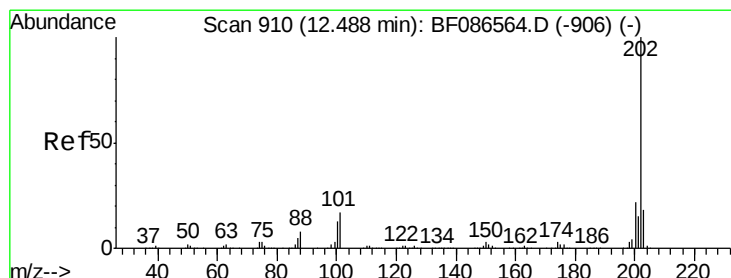
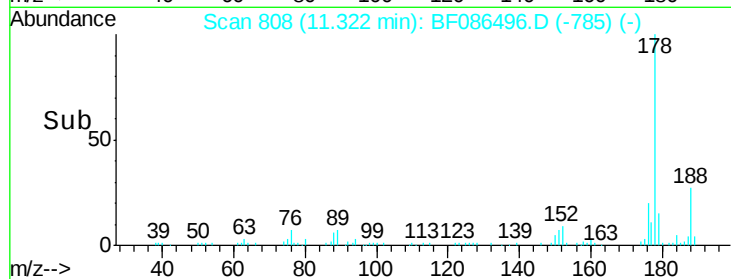
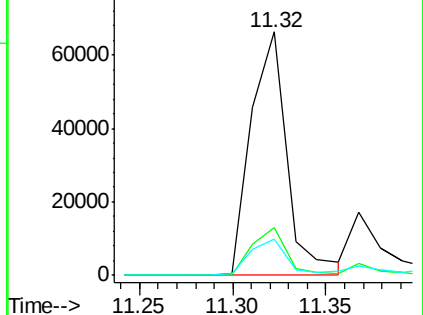
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.0	24.0
179	14.9	12.6	18.8

Manual Integrations
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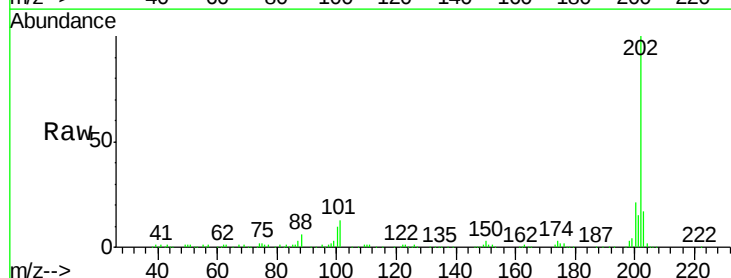


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

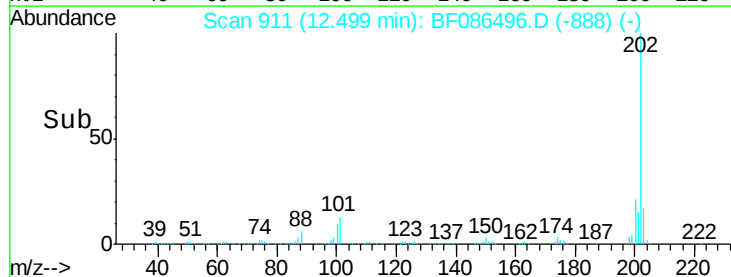
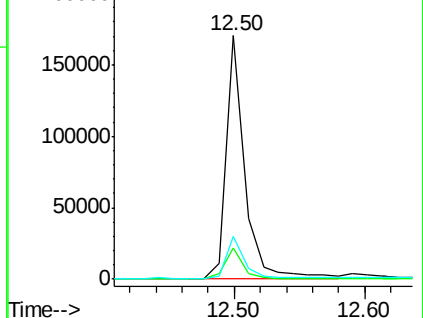


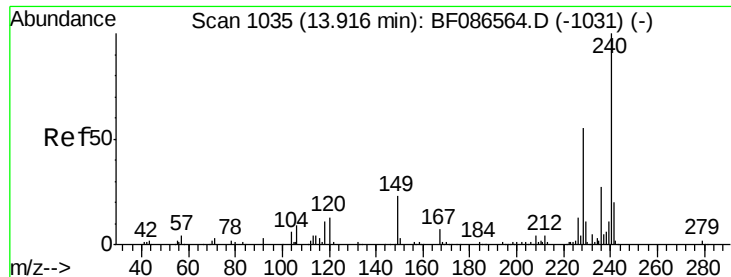
#74
Fluoranthene
Concen: 6.00 ng
RT: 12.50 min Scan# 911
Delta R.T. -0.03 min
Lab File: BF086496.D
Acq: 29 Apr 2016 17:07

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	35.4
203	17.5	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.03 min

Lab File: BF086496.D

Acq: 29 Apr 2016 17:07

Instrument :

BNA_F

ClientSampleId :

COMP1(1A-1B-1C-1D)

Tot Ion:240 Resp: 360509

Ion Ratio Lower Upper

240 100

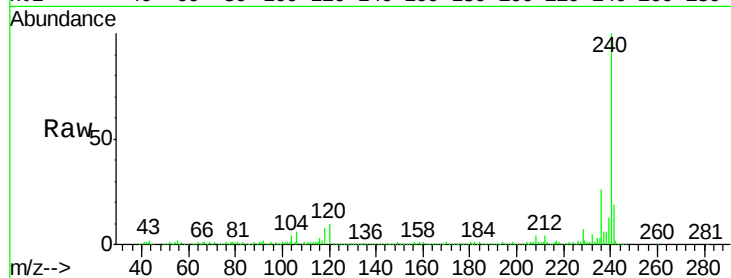
120 10.0 11.2 16.8#

236 25.9 21.2 31.8

Manual Integrations
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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

300000

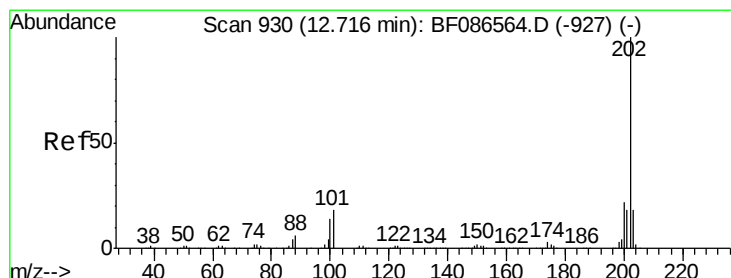
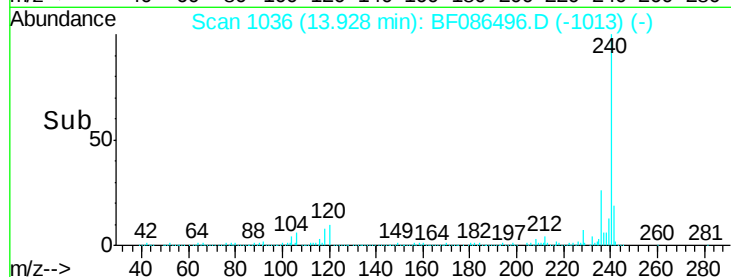
13.93

200000

100000

0

Time--> 13.80 14.00



#77

Pyrene

Concen: 5.82 ng

RT: 12.73 min Scan# 931

Delta R.T. -0.03 min

Lab File: BF086496.D

Acq: 29 Apr 2016 17:07

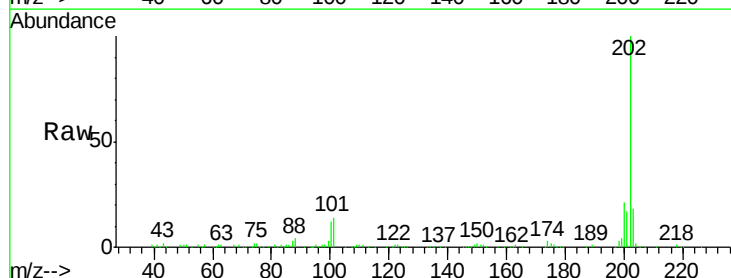
Tgt Ion:202 Resp: 151281

Ion Ratio Lower Upper

202 100

200 21.2 17.7 26.5

203 17.6 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

200000

12.73

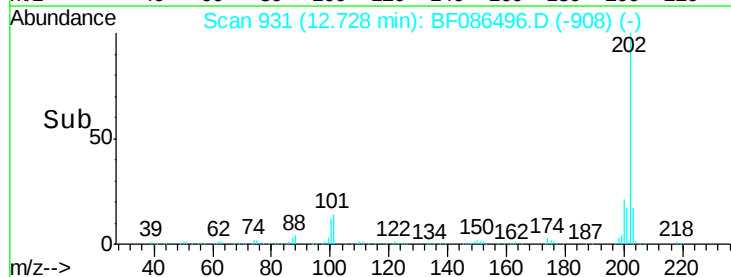
150000

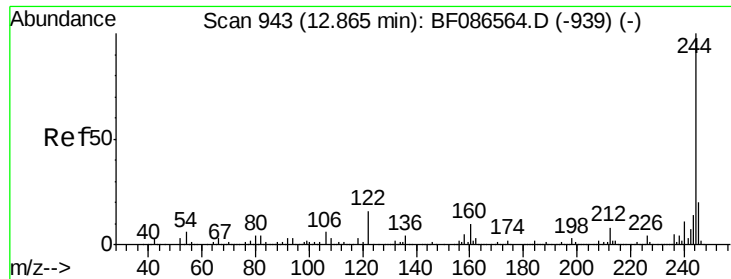
100000

50000

0

Time--> 12.70 12.80 12.90





#78

Terphenyl-d14

Concen: 55.98 ng

RT: 12.88 min Scan# 944

Delta R.T. -0.03 min

Lab File: BF086496.D

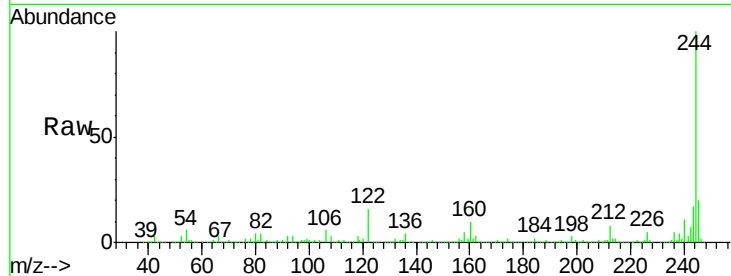
Acq: 29 Apr 2016 17:07

Instrument :

BNA_F

ClientSampleId :

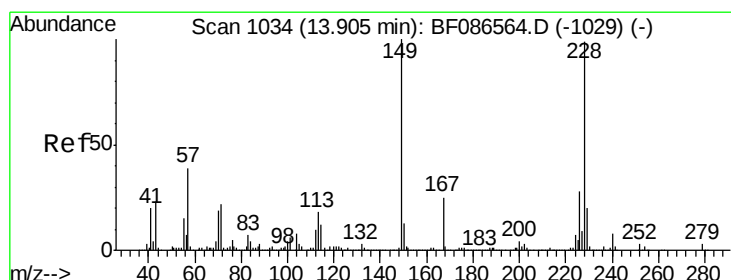
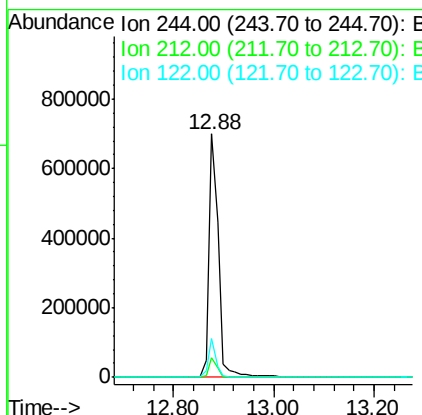
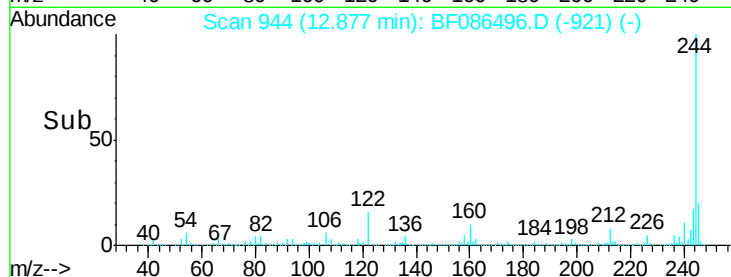
COMP1(1A-1B-1C-1D)



Tot Ion:	244	Resp:	915962
Ion Ratio	Lower	Upper	
244	100		
212	7.8	6.2	9.2
122	16.1	12.0	18.0

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#80

Benzo(a)anthracene

Concen: 3.28 ng

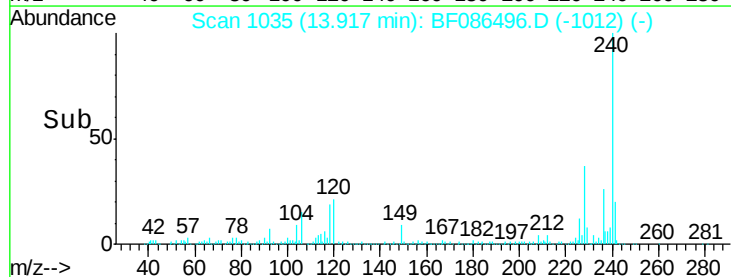
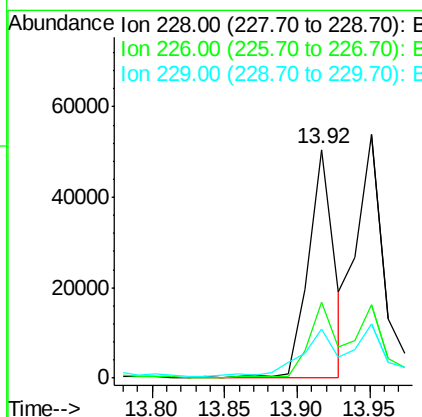
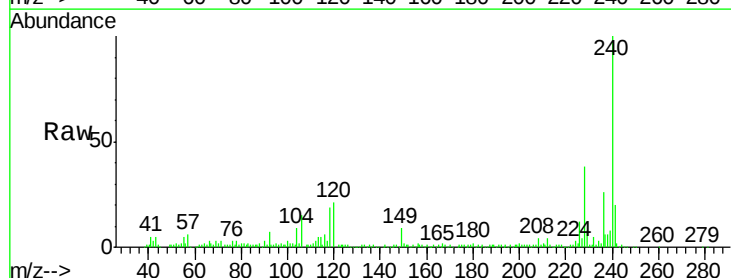
RT: 13.92 min Scan# 1035

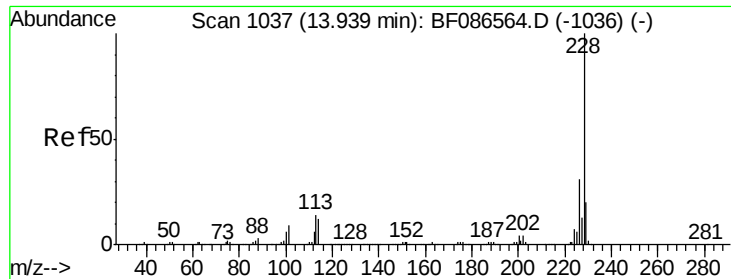
Delta R.T. -0.03 min

Lab File: BF086496.D

Acq: 29 Apr 2016 17:07

Tgt Ion:	228	Resp:	63118
Ion Ratio	Lower	Upper	
228	100		
226	33.1	22.5	33.7
229	21.4	16.6	25.0





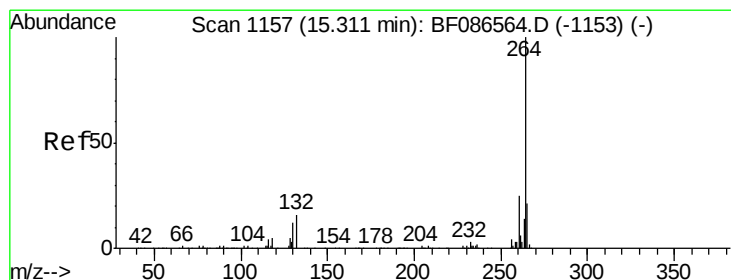
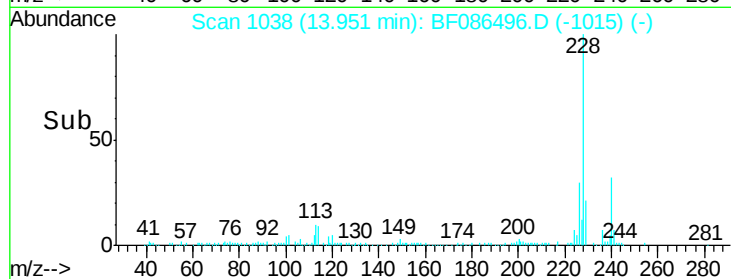
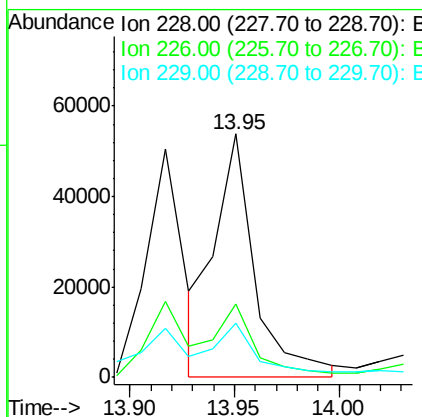
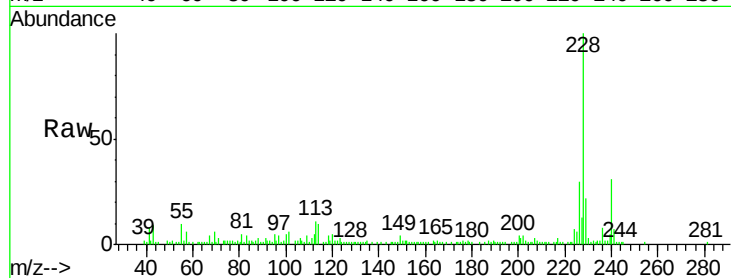
#82
Chrysene
Concen: 3.47 ng/ml
RT: 13.95 min Scan# 1038
Delta R.T. -0.03 min
Lab File: BF086496.D
Acq: 29 Apr 2016 17:07

Instrument :
BNA_F
ClientSampleId :
COMP1(1A-1B-1C-1D)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		72429		
226	30.1		24.4	36.6	
229	22.2		15.8	23.8	

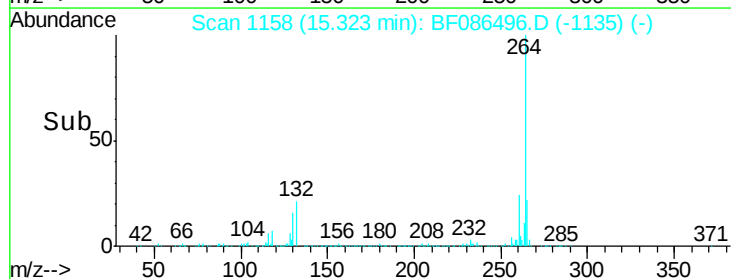
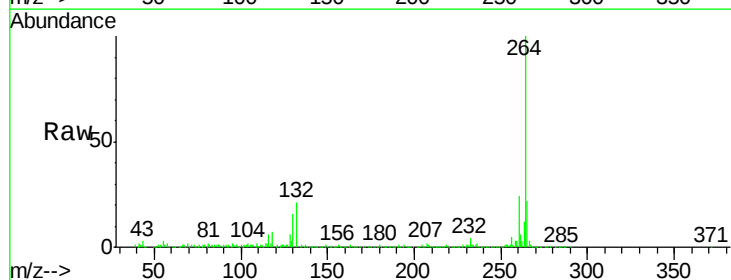
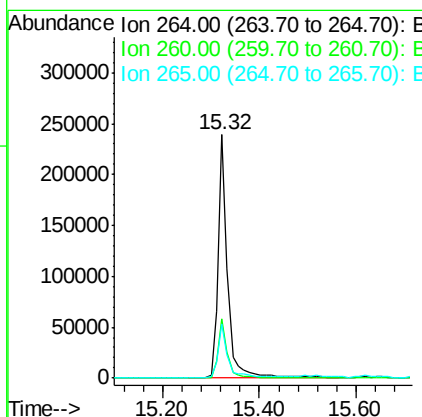
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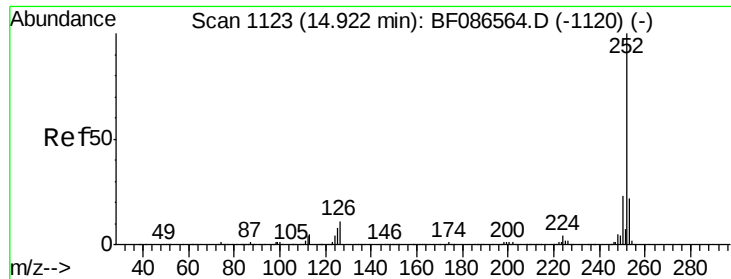
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 1158
Delta R.T. -0.03 min
Lab File: BF086496.D
Acq: 29 Apr 2016 17:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
264	100		335493		
260	24.3		19.5	29.3	
265	22.4		17.3	25.9	





#87

Benzo(b)fluoranthene

Concen: 4.91 ng

RT: 14.93 min Scan# 1124

Delta R.T. -0.03 min

Lab File: BF086496.D

Acq: 29 Apr 2016 17:07

Instrument :

BNA_F

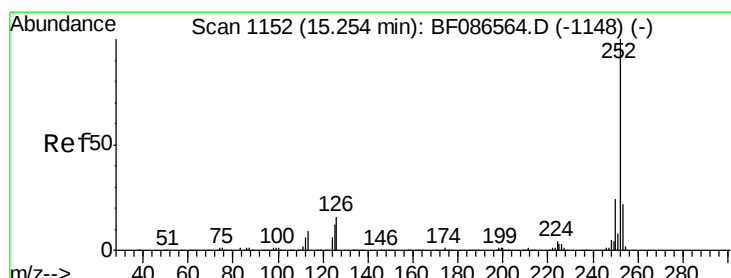
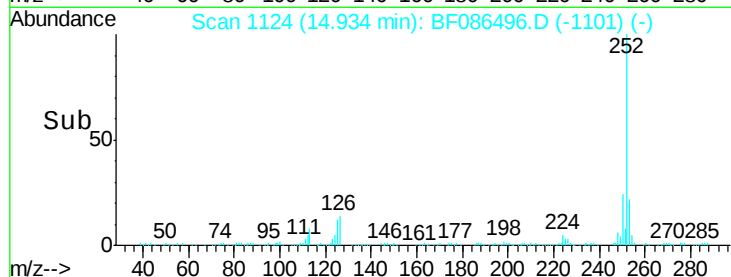
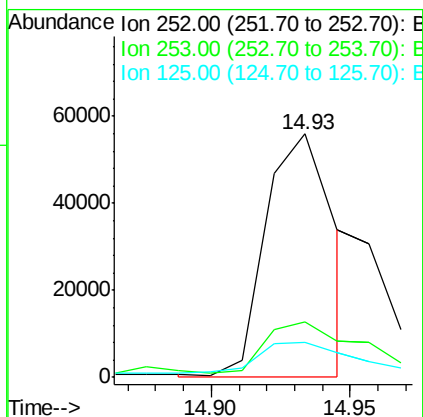
ClientSampleId :

COMP1(1A-1B-1C-1D)

Tot Ion:	252	Resp:	96866
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.8	26.6
125	14.1	11.4	17.0

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#89

Benzo(a)pyrene

Concen: 3.64 ng

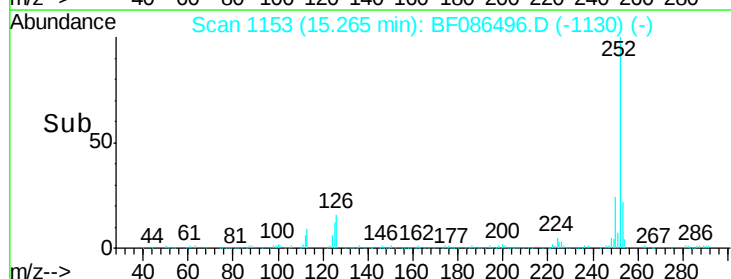
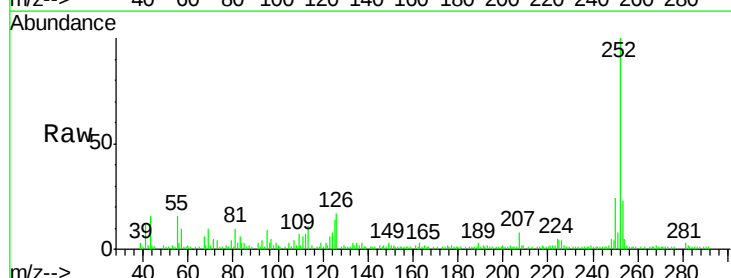
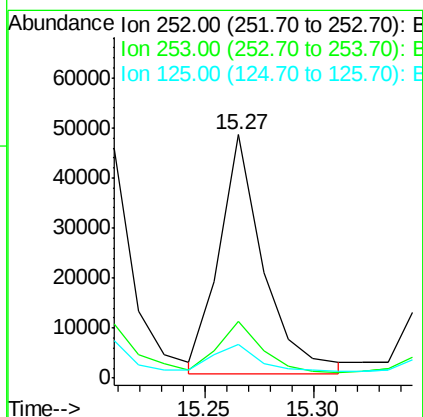
RT: 15.27 min Scan# 1153

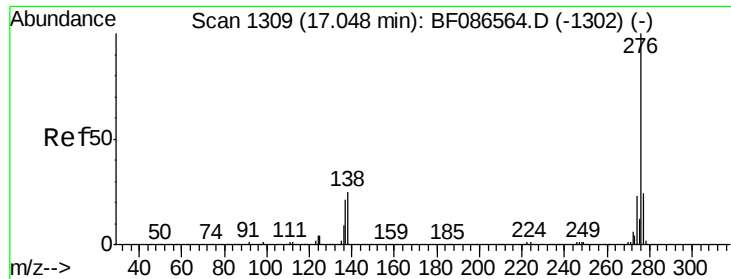
Delta R.T. -0.03 min

Lab File: BF086496.D

Acq: 29 Apr 2016 17:07

Tgt Ion:	252	Resp:	67766
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.2	25.8
125	13.7	9.0	13.6#





#91
 Benzo(a,h,i)perylene
 Concen: 3.40 ng
 RT: 17.06 min Scan# 1310
 Delta R.T. -0.07 min
 Lab File: BF086496.D
 Acq: 29 Apr 2016 17:07

Instrument :
 BNA_F
 ClientSampleId :
 COMP1(1A-1B-1C-1D)

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.6	29.4
138	25.7	23.6	35.4

Manual Integrations
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