

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050916\
 Data File : BF086836.D
 Acq On : 9 May 2016 22:34
 Operator : UM/SJ
 Sample : H2895-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP2-3-6FT

Manual Integrations
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Quant Time: May 10 03:31:03 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 16:04:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	152072	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	651822	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	319543	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	635558	20.00	ng	0.00
75) Chrysene-d12	13.83	240	476009	20.00	ng	-0.01
86) Perylene-d12	15.21	264	362748	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	492082	54.80	ng	0.00
7) Phenol-d6	6.35	99	729089	60.75	ng	-0.01
23) Nitrobenzene-d5	7.25	82	511166	39.38	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	305711	90.37	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	1260645	66.30	ng	0.00
78) Terphenyl-d14	12.79	244	1365768	60.88	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.46	163	195589	8.02	ng	98
70) Phenanthrene	11.23	178	239586	7.06	ng	97
74) Fluoranthene	12.41	202	268910	7.71	ng	95
77) Pyrene	12.64	202	232274	6.37	ng	98
80) Benzo(a)anthracene	13.81	228	125738	4.71	ng	99
82) Chrysene	13.85	228	89648m	3.30	ng	
87) Benzo(b)fluoranthene	14.83	252	114465m	4.86	ng	
91) Benzo(g,h,i)perylene	16.88	276	38346	2.20	ng	# 92

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

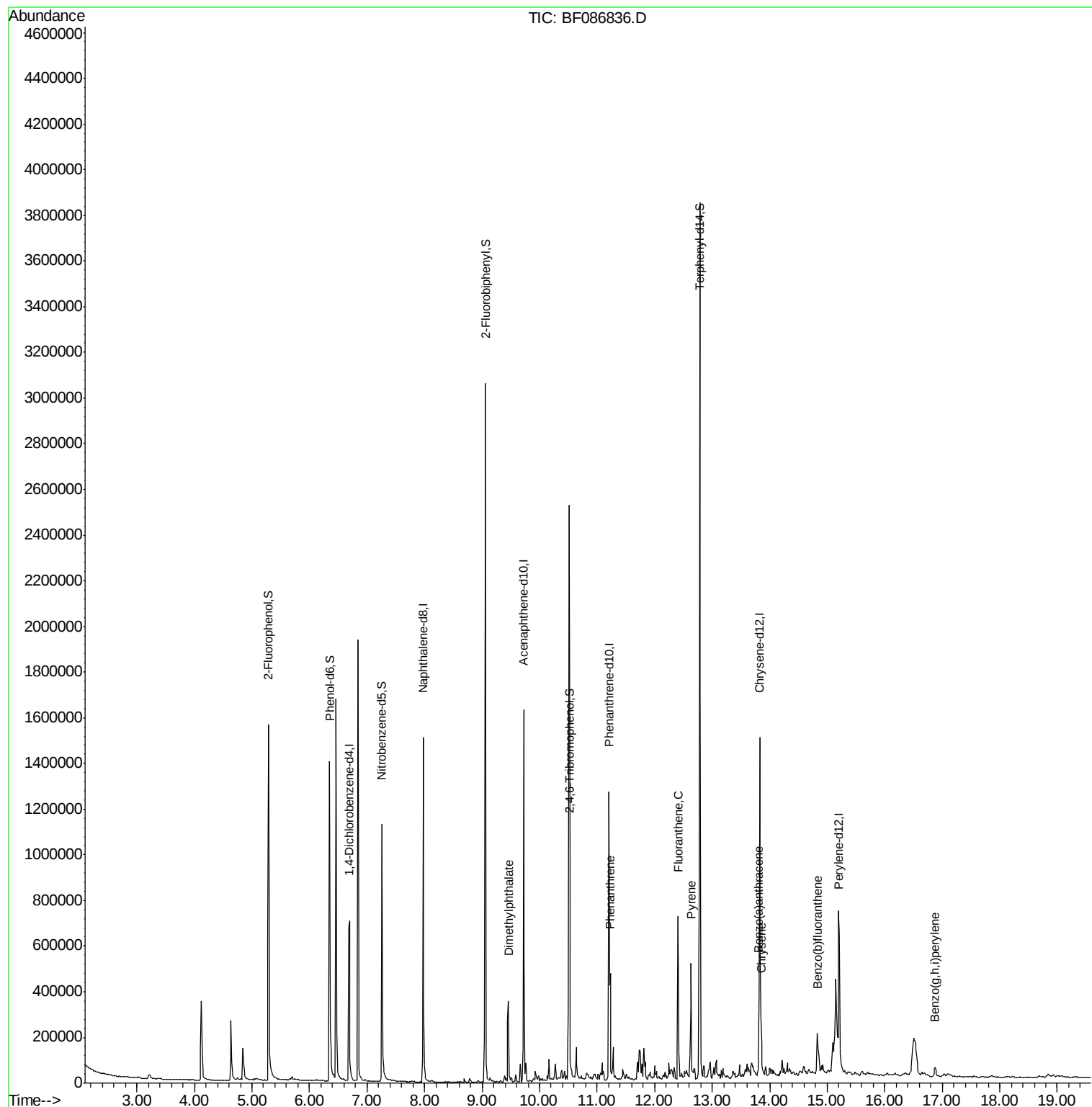
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050916\
Data File : BF086836.D
Acq On : 9 May 2016 22:34
Operator : UM/SJ
Sample : H2895-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

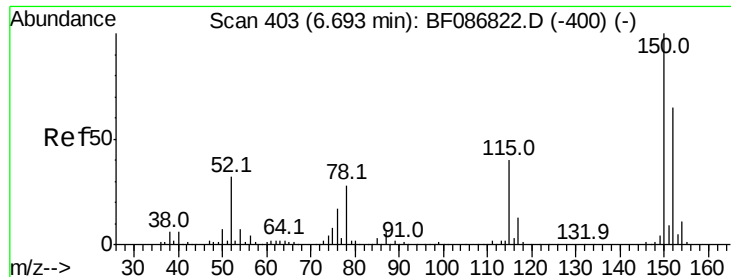
Instrument :
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ClientSampleId :
TP2-3-6FT

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Quant Time: May 10 03:31:03 2016
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#1

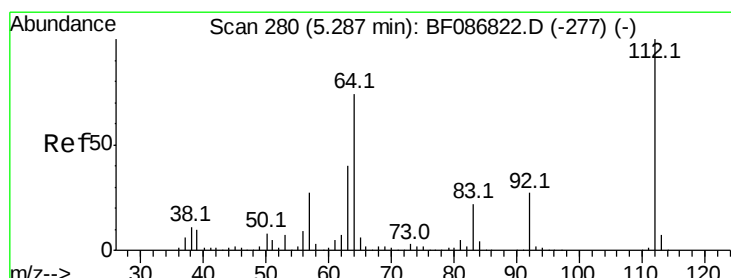
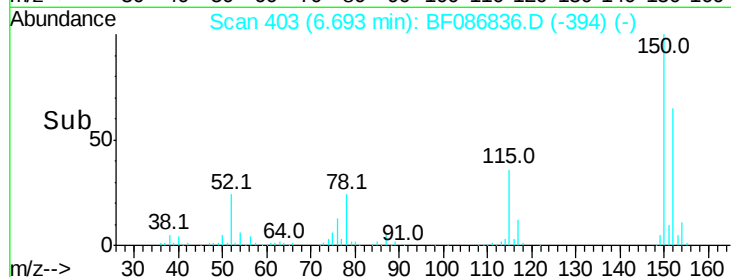
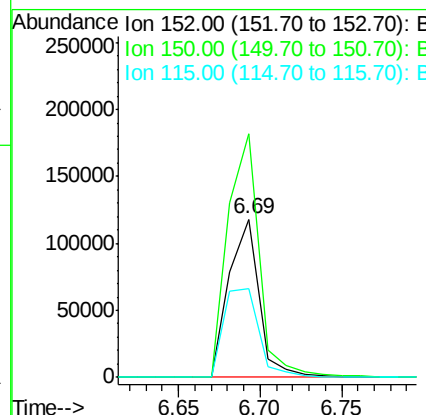
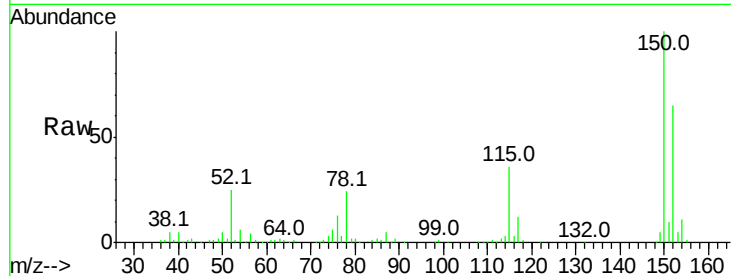
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.69 min Scan# 403
Delta R.T. 0.00 min
Lab File: BF086836.D
Acq: 9 May 2016 22:34

Instrument :
BNA_F
ClientSampleId :
TP2-3-6FT

Tot Ion	Ratio	Resp	Lower	Upper
152	100	152072		
150	153.9	125.8	188.6	
115	56.1	51.5	77.3	

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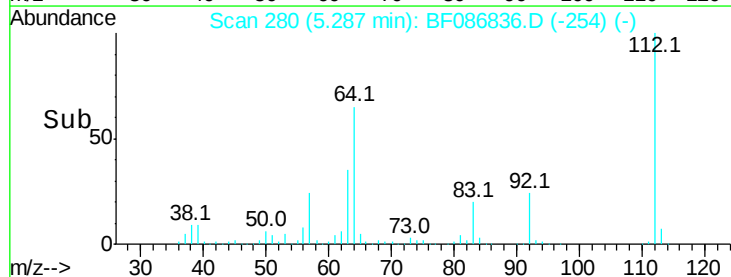
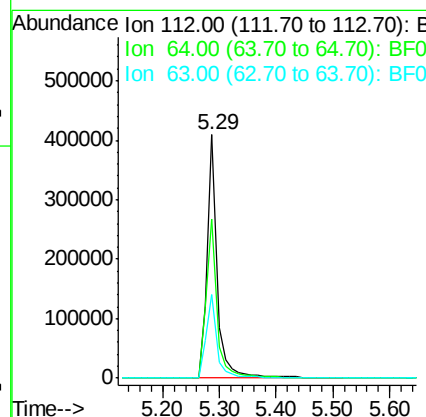
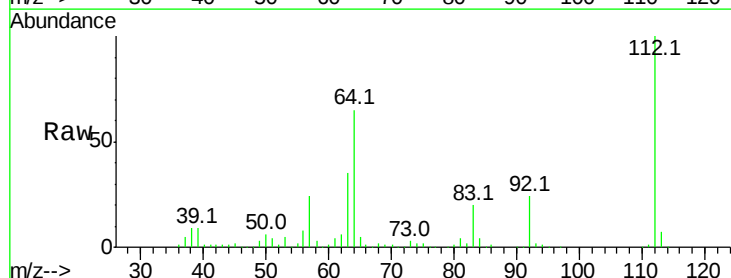
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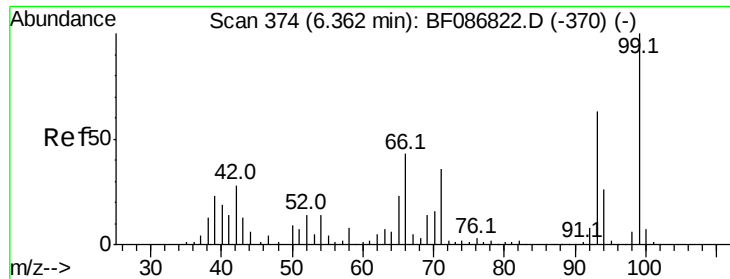


#5

2-Fluorophenol
Concen: 54.80 ng
RT: 5.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: BF086836.D
Acq: 9 May 2016 22:34

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	492082		
64	65.2	52.1	78.1	
63	34.6	25.7	38.5	





#7

Phenol-d6

Concen: 60.75 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.01 min

Lab File: BF086836.D

Acq: 9 May 2016 22:34

Instrument :

BNA_F

ClientSampleId :

TP2-3-6FT

Tot Ion: 99 Resp: 729089

Ion Ratio Lower Upper

99 100

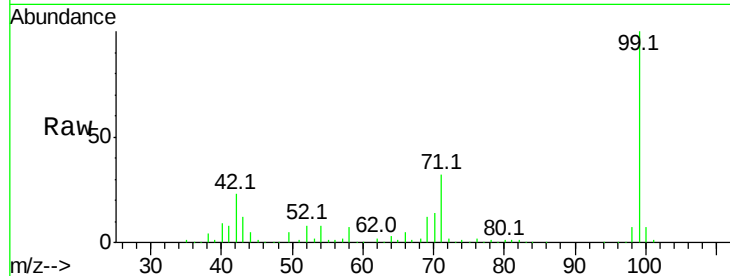
42 22.7 13.6 20.4#

71 32.4 24.6 36.8

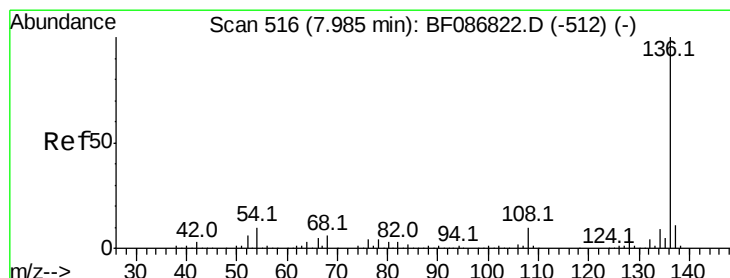
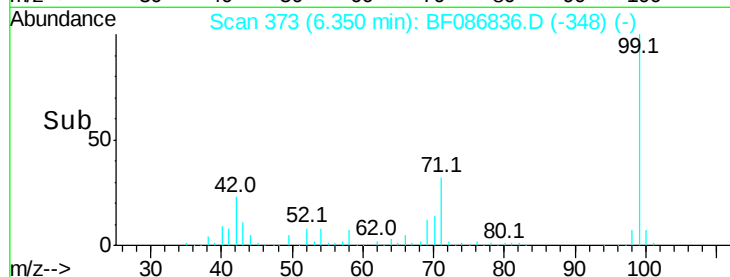
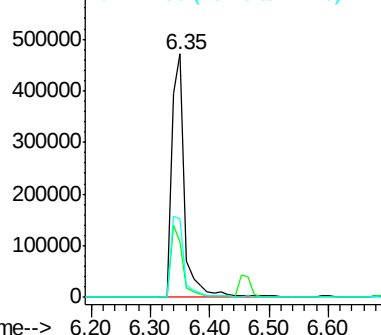
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.97 min Scan# 515

Delta R.T. -0.01 min

Lab File: BF086836.D

Acq: 9 May 2016 22:34

Tgt Ion: 136 Resp: 651822

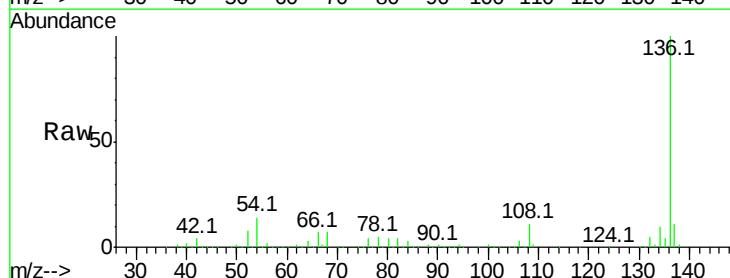
Ion Ratio Lower Upper

136 100

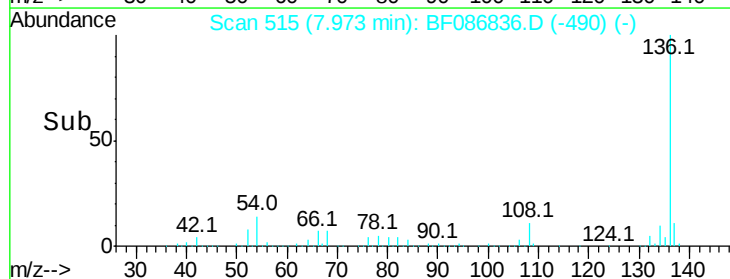
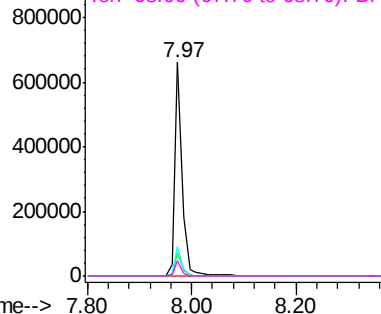
137 11.1 8.8 13.2

54 13.8 5.0 7.4#

68 7.4 4.4 6.6#



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





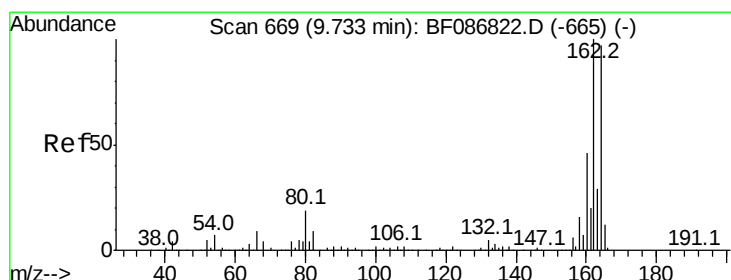
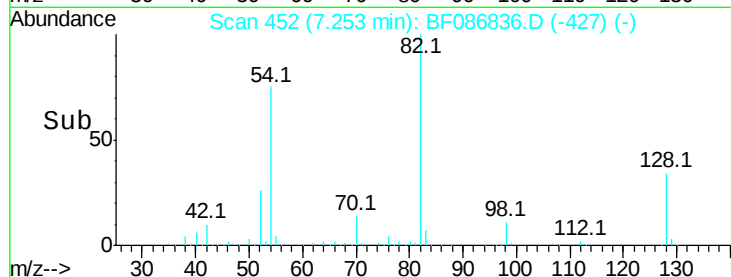
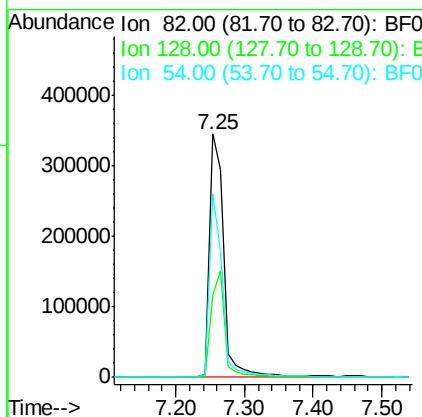
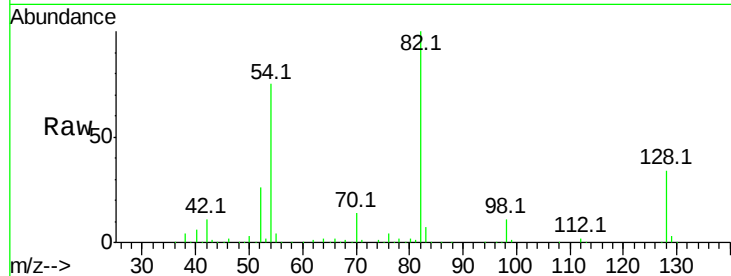
#23
 Nitrobenzene-d5
 Concen: 39.38 ng
 RT: 7.25 min Scan# 452
 Delta R.T. -0.01 min
 Lab File: BF086836.D
 Acq: 9 May 2016 22:34

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
82	100	511166		
128	34.0	40.6	61.0#	
54	75.2	38.1	57.1#	

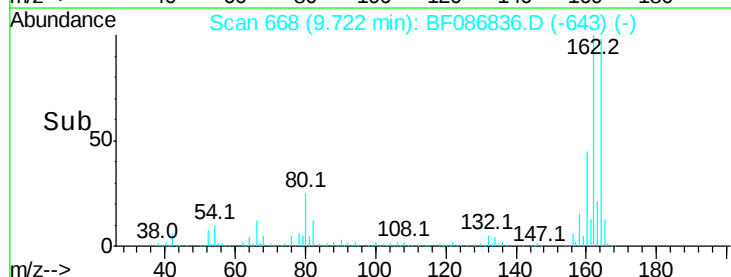
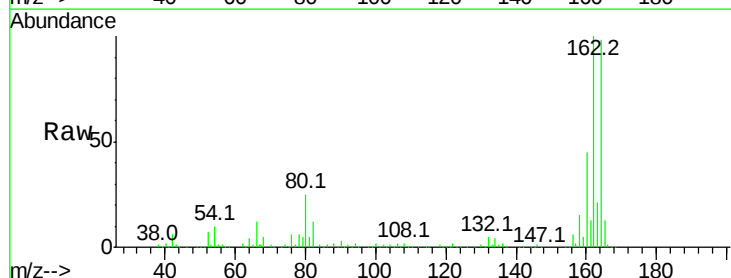
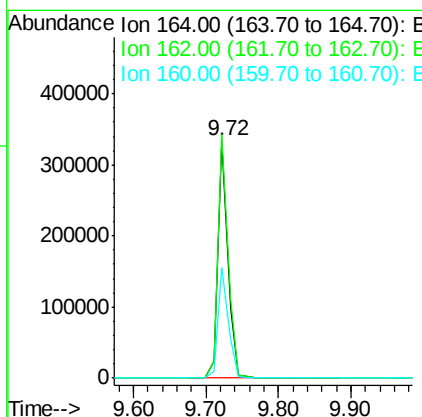
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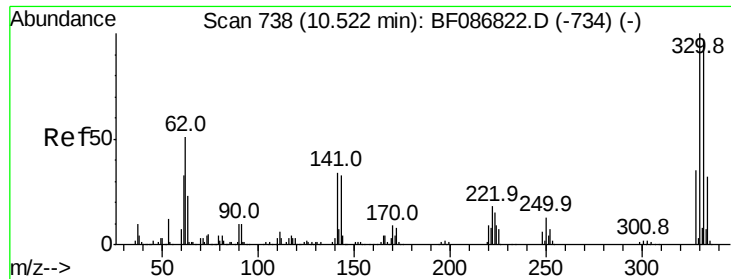
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.72 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: BF086836.D
 Acq: 9 May 2016 22:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	319543		
162	102.5	82.8	124.2	
160	46.3	36.9	55.3	





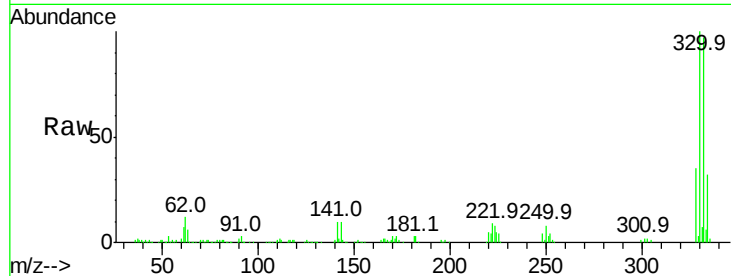
#41
 2,4,6-Tribromophenol
 Concen: 90.37 ng
 RT: 10.52 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: BF086836.D
 Acq: 9 May 2016 22:34

Instrument :
 BNA_F
 ClientSampled :
 TP2-3-6FT

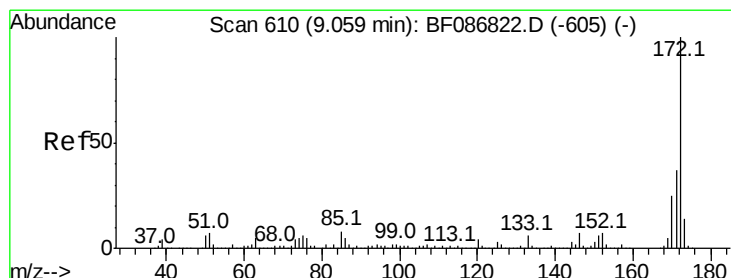
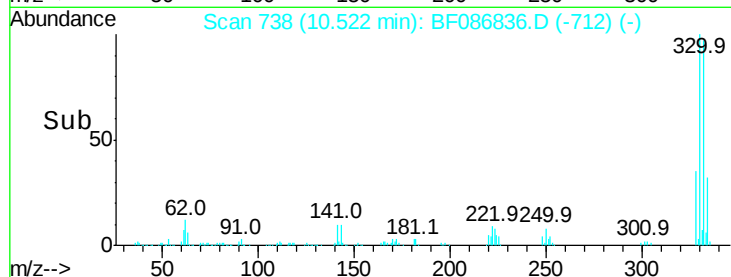
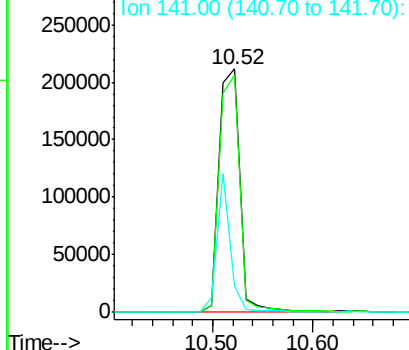
Tot Ion	Ratio	Resp	Lower	Upper
330	100	305711		
332	97.7	79.0	118.4	
141	37.0	31.2	46.8	

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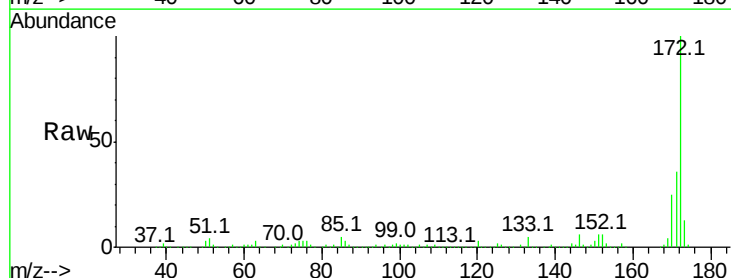


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

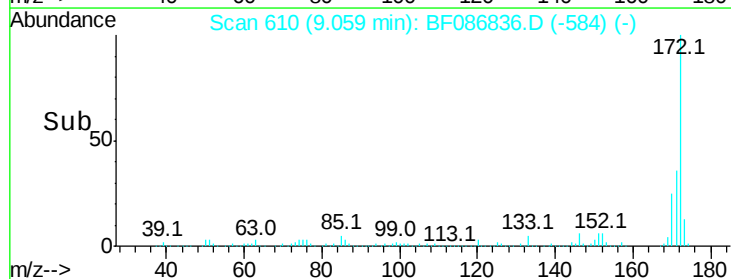
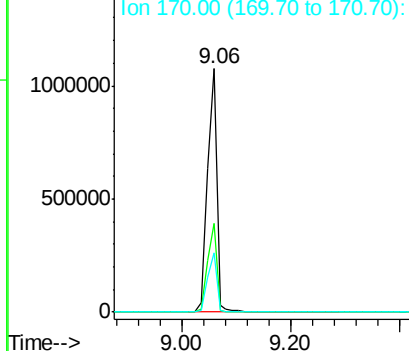


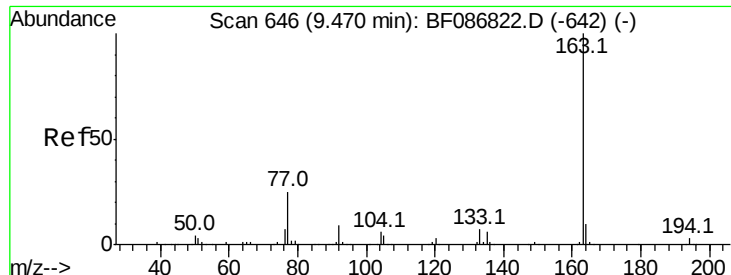
#44
 2-Fluorobiphenyl
 Concen: 66.30 ng
 RT: 9.06 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: BF086836.D
 Acq: 9 May 2016 22:34

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1260645		
171	36.2	29.0	43.6	
170	24.5	19.8	29.8	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 8.02 ng

RT: 9.46 min Scan# 645

Delta R.T. -0.01 min

Lab File: BF086836.D

Acq: 9 May 2016 22:34

Instrument :

BNA_F

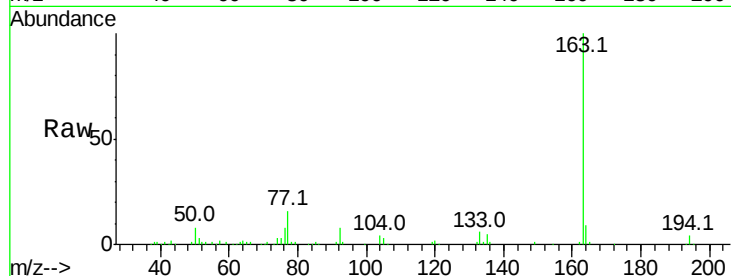
ClientSampled :

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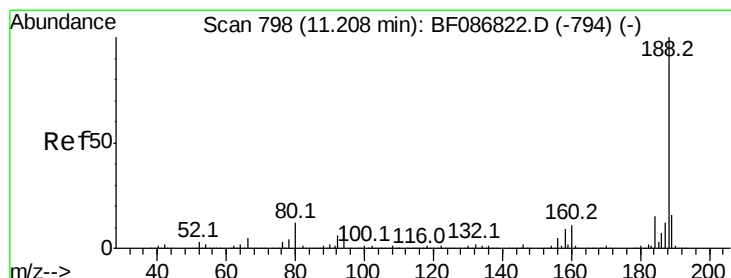
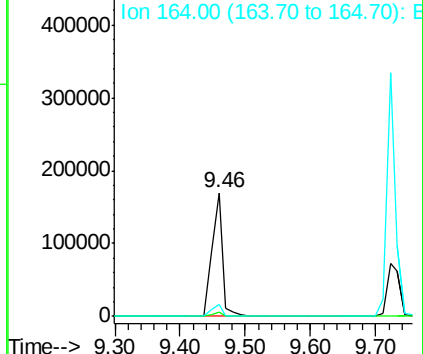
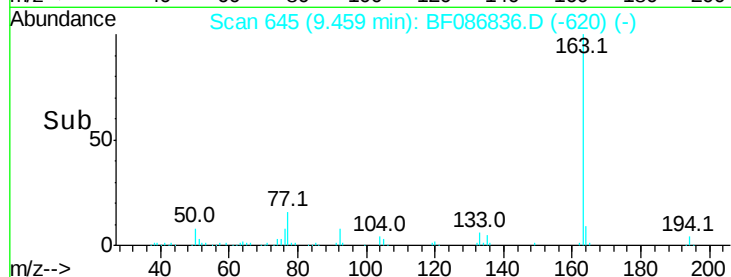
Tot Ion:	163	Resp:	195589
Ion Ratio	Lower	Upper	
163	100		
194	3.9	2.6	4.0
164	9.4	8.2	12.4

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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

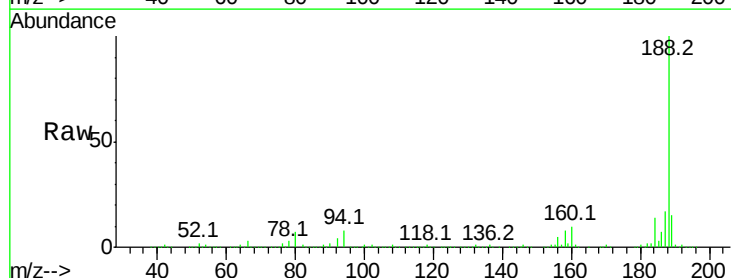
RT: 11.21 min Scan# 798

Delta R.T. 0.00 min

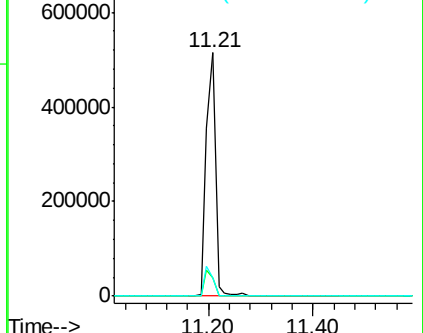
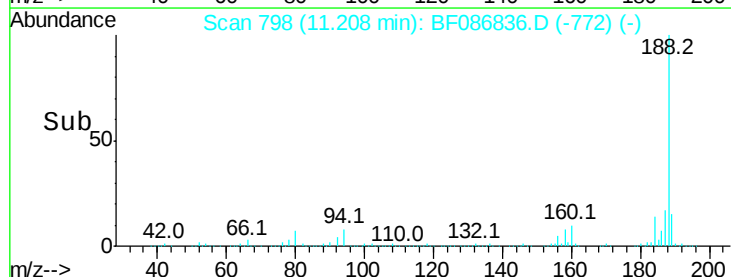
Lab File: BF086836.D

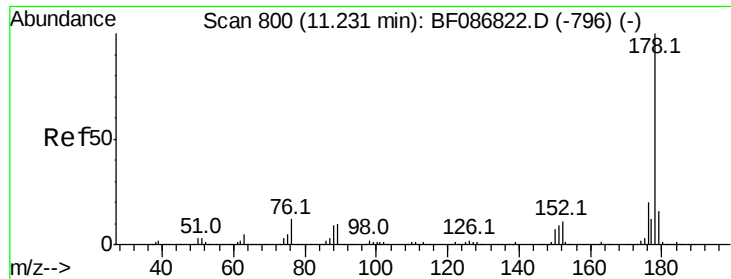
Acq: 9 May 2016 22:34

Tgt Ion:	188	Resp:	635558
Ion Ratio	Lower	Upper	
188	100		
94	7.6	6.8	10.2
80	7.4	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: 7.06 ng

RT: 11.23 min Scan# 800

Delta R.T. 0.00 min

Lab File: BF086836.D

Acq: 9 May 2016 22:34

Instrument :

BNA_F

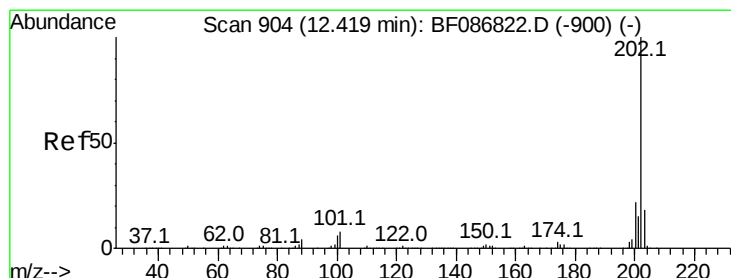
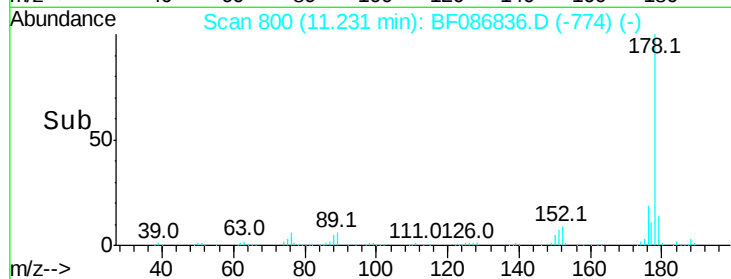
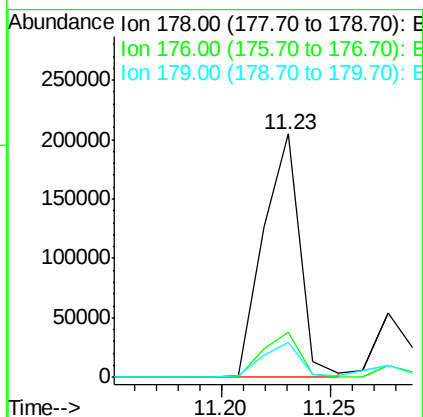
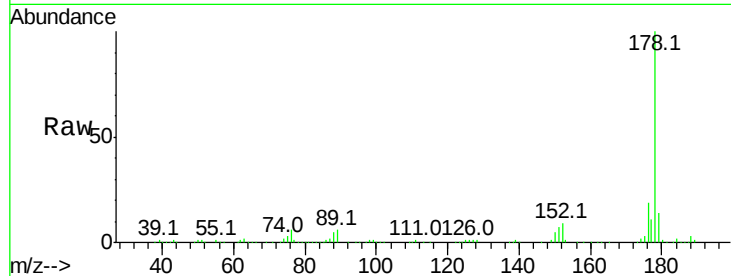
ClientSampled :

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Tot Ion:	178	Resp:	239586
Ion Ratio	Lower	Upper	
178	100		
176	18.8	16.0	24.0
179	14.4	12.6	18.8

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#74

Fluoranthene

Concen: 7.71 ng

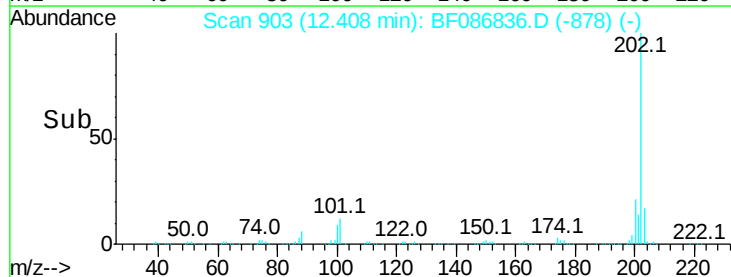
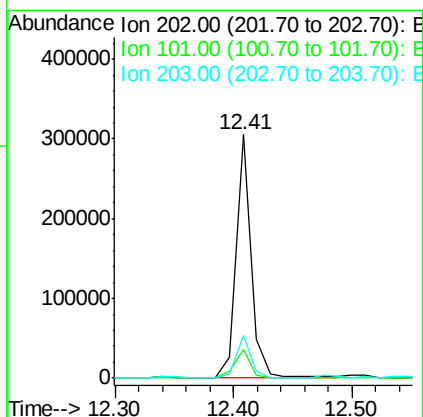
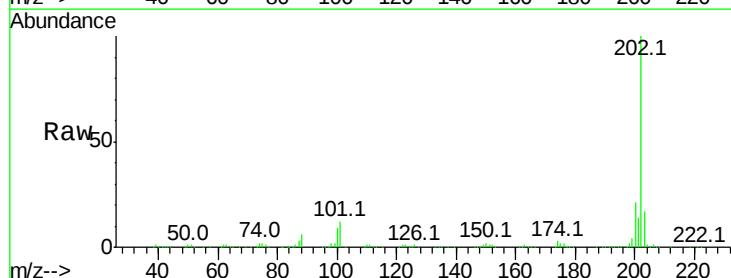
RT: 12.41 min Scan# 903

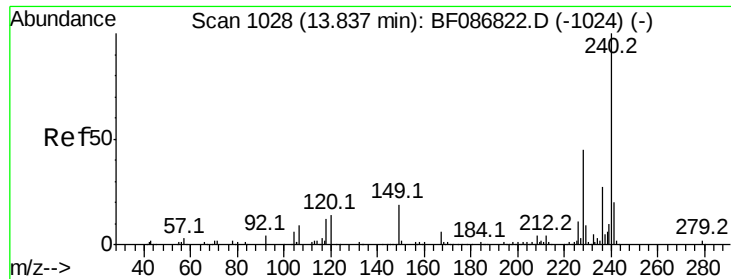
Delta R.T. -0.01 min

Lab File: BF086836.D

Acq: 9 May 2016 22:34

Tgt Ion:	202	Resp:	268910
Ion Ratio	Lower	Upper	
202	100		
101	11.9	0.0	35.4
203	17.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.83 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF086836.D

Acq: 9 May 2016 22:34

Instrument :

BNA_F

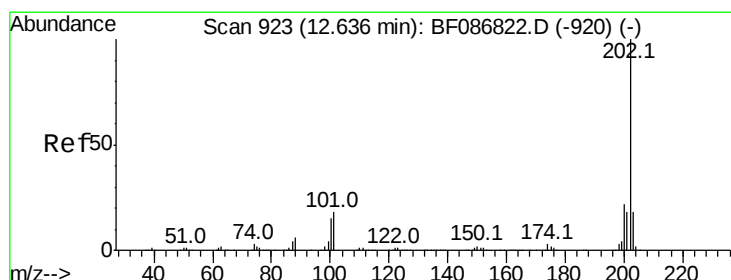
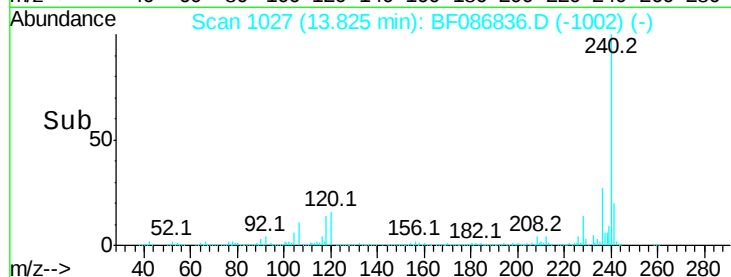
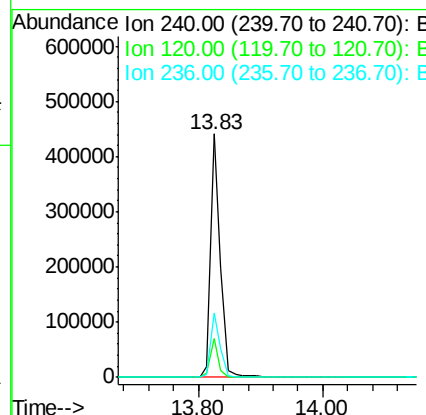
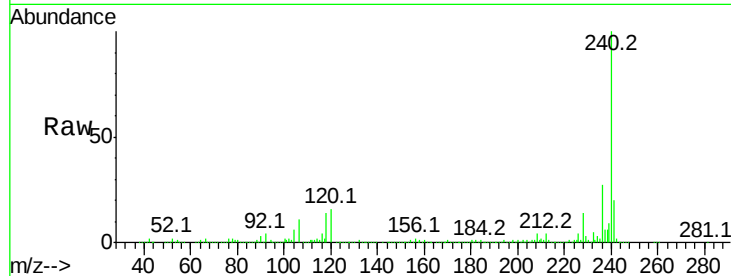
ClientSampleId :

TP2-3-6FT

Tot Ion:	240	Resp:	476009
Ion Ratio	Lower	Upper	
240	100		
120	15.8	11.2	16.8
236	26.6	21.2	31.8

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#77

Pyrene

Concen: 6.37 ng

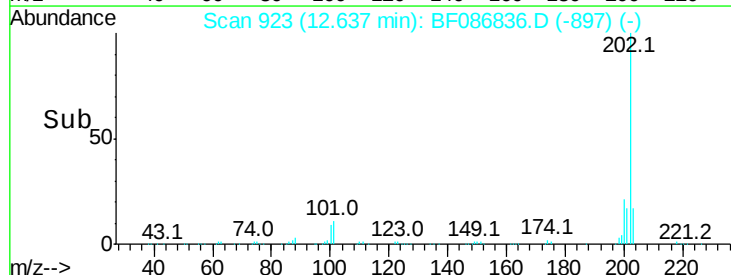
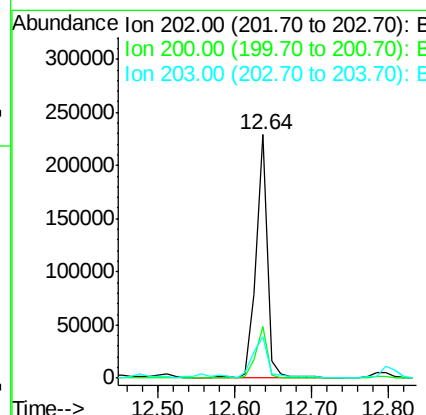
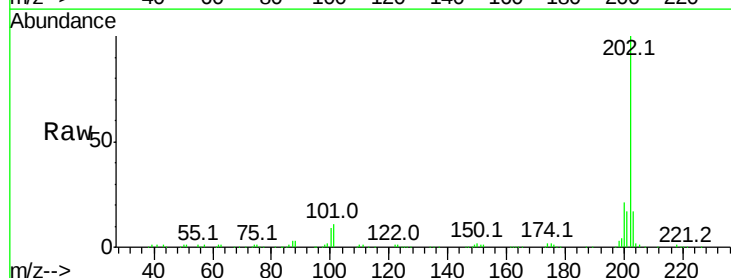
RT: 12.64 min Scan# 923

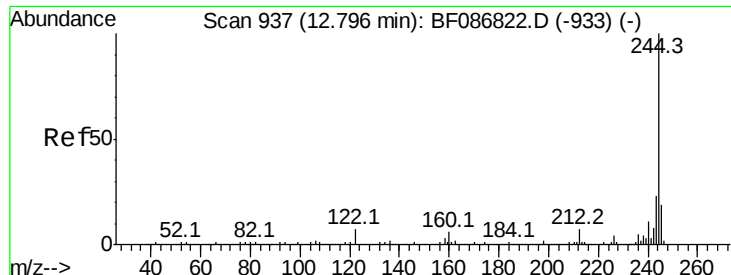
Delta R.T. 0.00 min

Lab File: BF086836.D

Acq: 9 May 2016 22:34

Tgt Ion:	202	Resp:	232274
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.7	26.5
203	17.1	14.2	21.4





#78

Terphenyl-d14

Concen: 60.88 ng

RT: 12.79 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF086836.D

Acq: 9 May 2016 22:34

Instrument :

BNA_F

ClientSampleId :

TP2-3-6FT

Tot Ion:244 Resp: 1365768

Ion Ratio Lower Upper

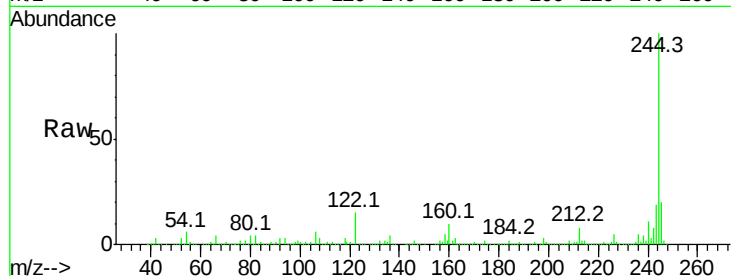
244 100

212 8.2 6.2 9.2

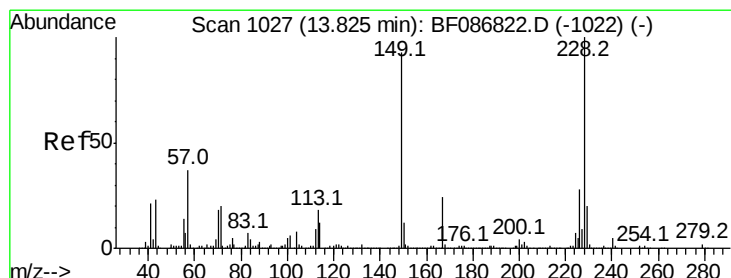
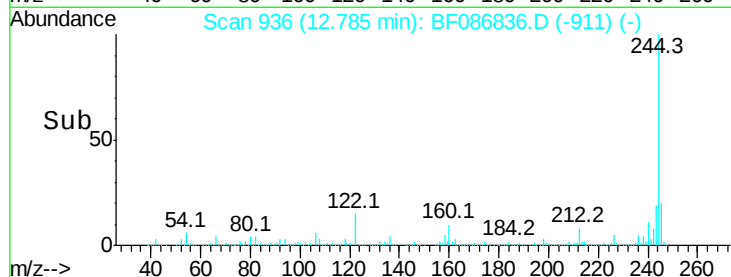
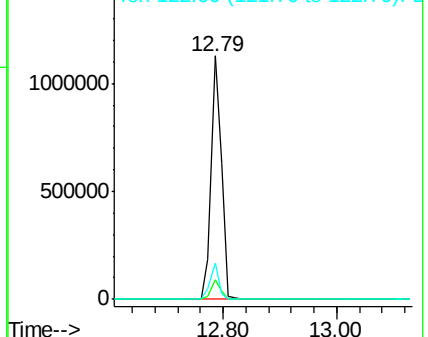
122 15.1 12.0 18.0

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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: 4.71 ng

RT: 13.81 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF086836.D

Acq: 9 May 2016 22:34

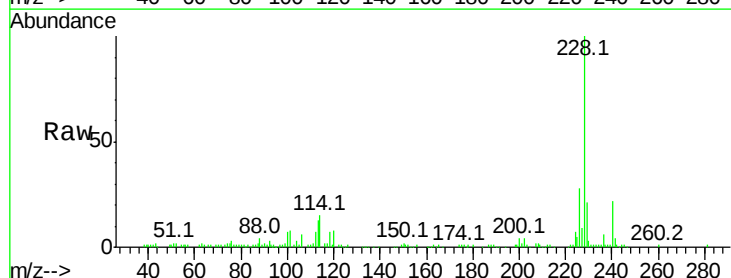
Tgt Ion:228 Resp: 125738

Ion Ratio Lower Upper

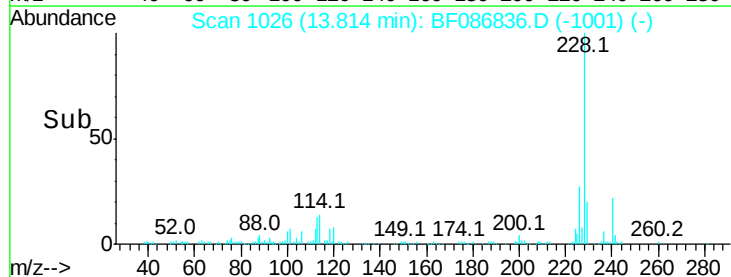
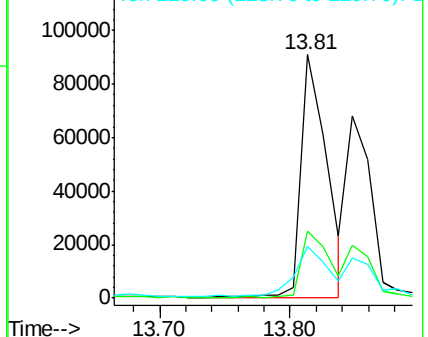
228 100

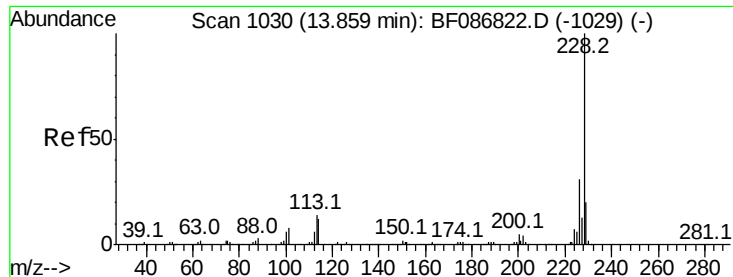
226 27.7 22.5 33.7

229 21.1 16.6 25.0



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





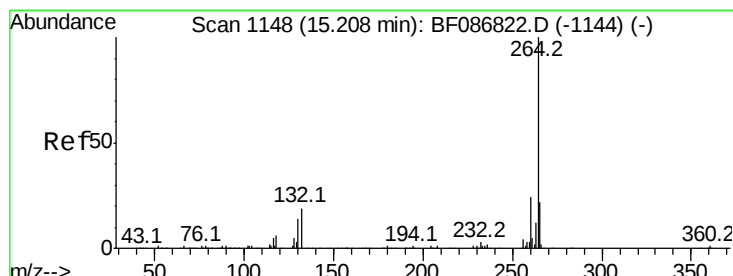
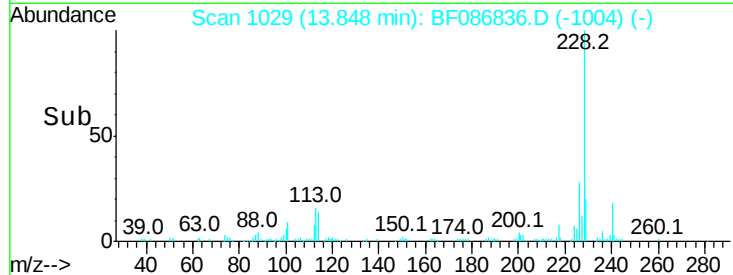
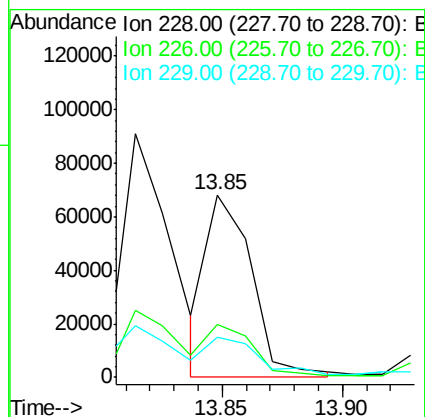
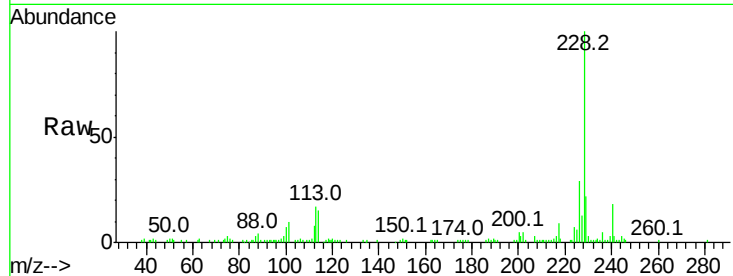
#82
Chrysene
Concen: 3.30 ng/ml
RT: 13.85 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF086836.D
Acq: 9 May 2016 22:34

Instrument :
BNA_F
ClientSampleId :
TP2-3-6FT

Tot Ion:	228	Resp:	89648
Ion Ratio	Lower	Upper	
228	100		
226	28.8	24.4	36.6
229	21.8	15.8	23.8

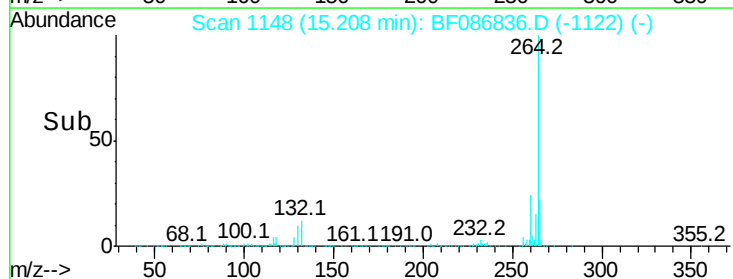
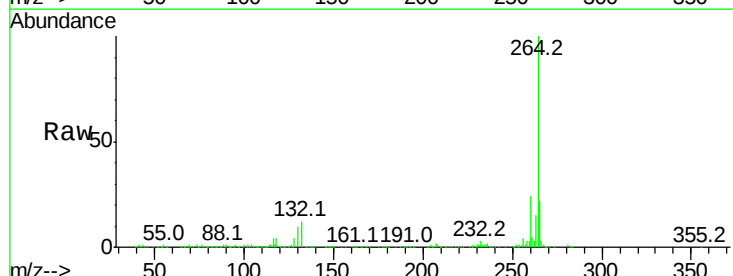
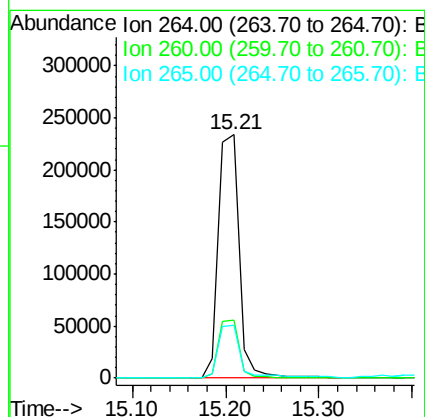
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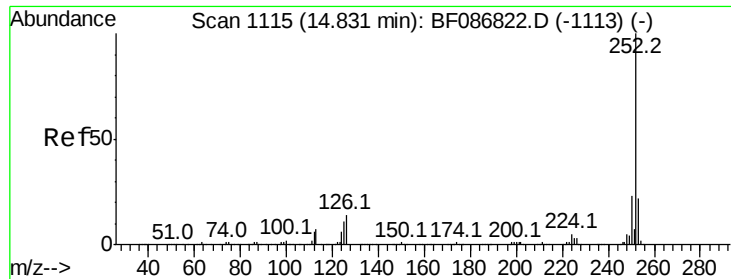
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.21 min Scan# 1148
Delta R.T. 0.00 min
Lab File: BF086836.D
Acq: 9 May 2016 22:34

Tgt Ion:	264	Resp:	362748
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.5	29.3
265	21.7	17.3	25.9





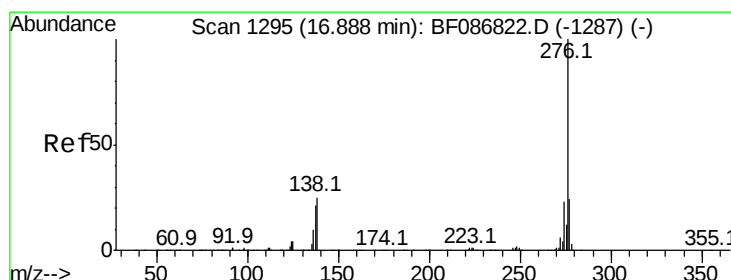
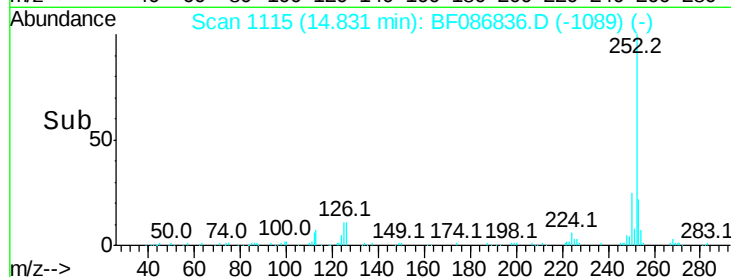
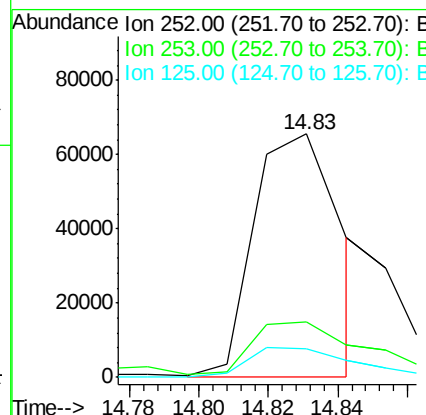
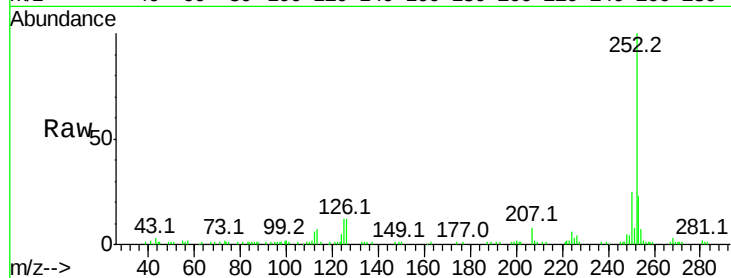
#87
Benzo(b)fluoranthene
Concen: 4.86 ng m
RT: 14.83 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BF086836.D
Acq: 9 May 2016 22:34

Instrument :
BNA_F
ClientSampleId :
TP2-3-6FT

Tot Ion	Ratio	Resp	Lower	Upper
252	100	114465		
253	22.6		17.8	26.6
125	11.5		11.4	17.0

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.20 ng
RT: 16.88 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF086836.D
Acq: 9 May 2016 22:34

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	38346		
277	24.2		19.6	29.4
138	22.3		23.6	35.4#

