

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050916\
 Data File : BF086841.D
 Acq On : 10 May 2016 00:57
 Operator : UM/SJ
 Sample : H2895-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP7-9FT

Manual Integrations
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Quant Time: May 10 03:43:34 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	156394	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	657201	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	323075	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	620290	20.00	ng	0.00
75) Chrysene-d12	13.83	240	476047	20.00	ng	-0.01
86) Perylene-d12	15.21	264	374677	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	1457292	157.80	ng	0.01
7) Phenol-d6	6.35	99	1763534	142.89	ng	-0.01
23) Nitrobenzene-d5	7.26	82	1311629	100.21	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	553550	161.84	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	1838453	95.64	ng	0.00
78) Terphenyl-d14	12.78	244	1571037	70.02	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	9.46	163	246618	10.01	ng	98
70) Phenanthrene	11.23	178	75177	2.27	ng	98
74) Fluoranthene	12.41	202	220121	6.47	ng	94
77) Pyrene	12.64	202	198739	5.45	ng	98
80) Benzo(a)anthracene	13.81	228	112427	4.21	ng	99
82) Chrysene	13.86	228	89670m	3.30	ng	
87) Benzo(b)fluoranthene	14.83	252	110822m	4.55	ng	
89) Benzo(a)pyrene	15.15	252	67376	3.21	ng	98
91) Benzo(g,h,i)perylene	16.88	276	38199	2.12	ng	# 93

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

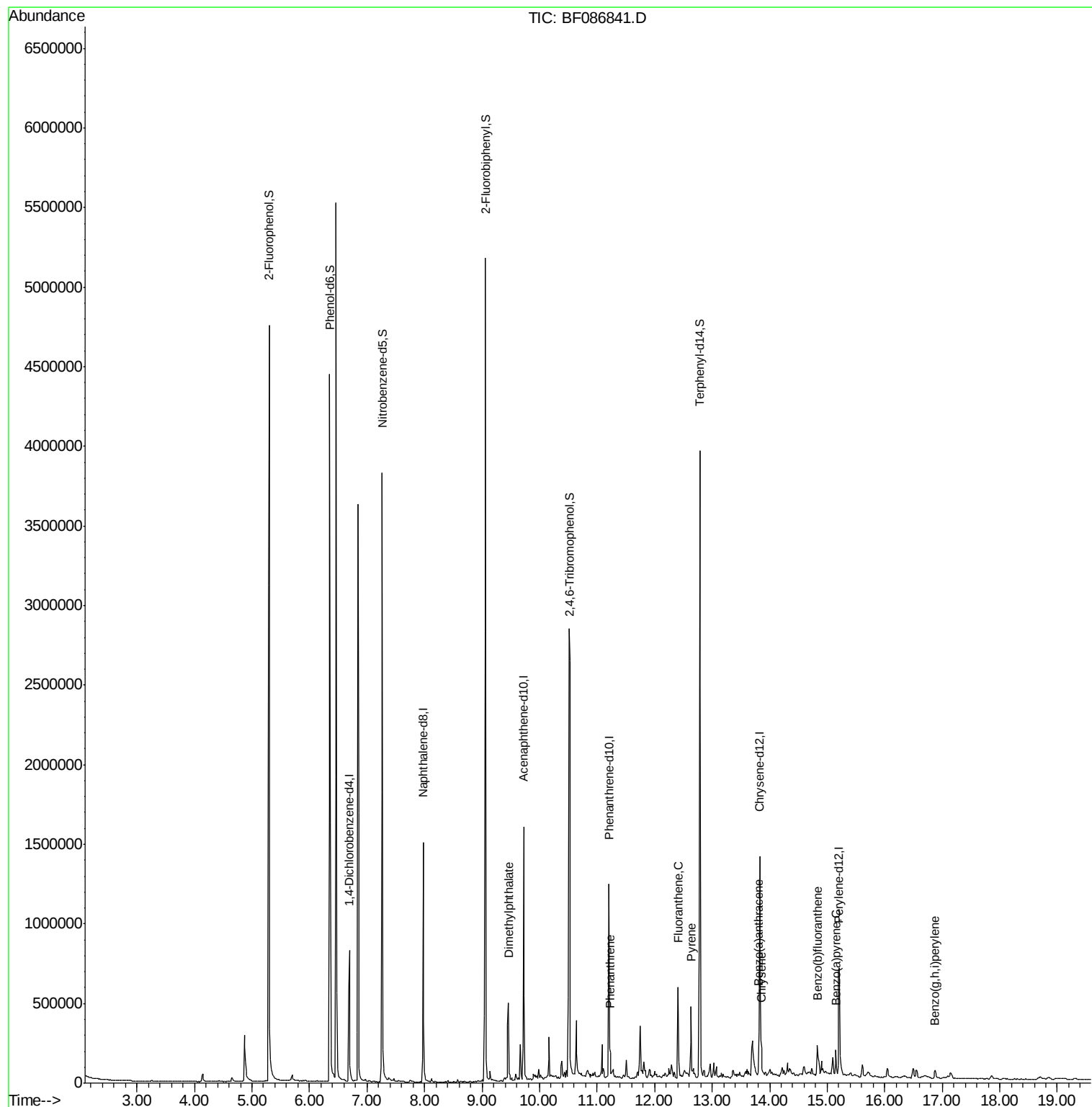
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050916\
Data File : BF086841.D
Acq On : 10 May 2016 00:57
Operator : UM/SJ
Sample : H2895-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

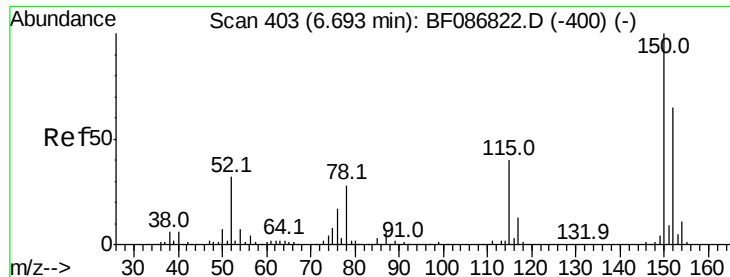
Instrument :
BNA_F
ClientSampleId :
TP7-9FT

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Response via : Initial Calibration





#1

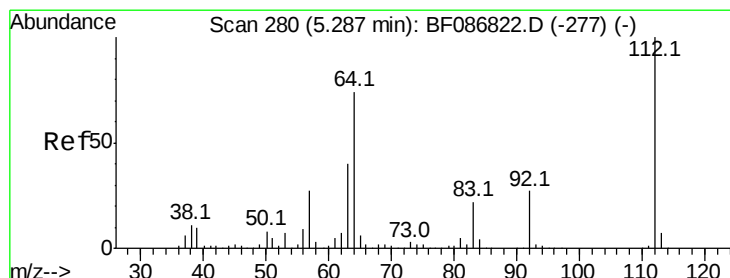
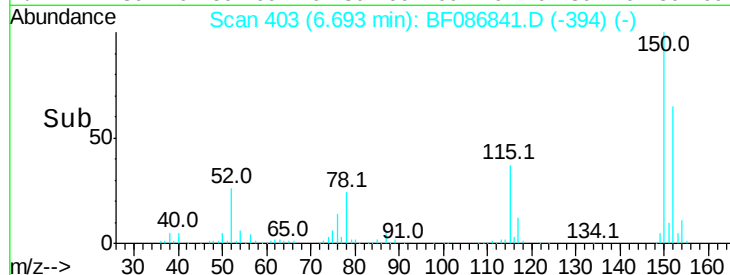
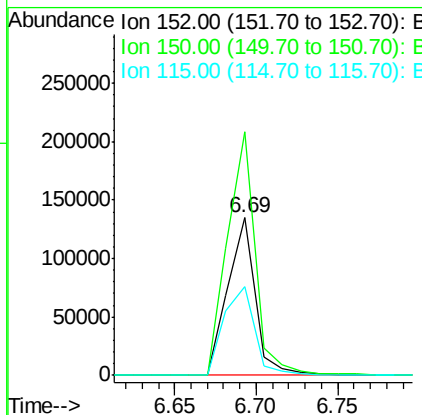
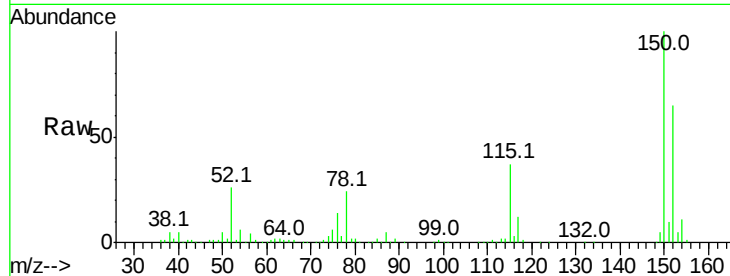
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.69 min Scan# 403
Delta R.T. -0.00 min
Lab File: BF086841.D
Acq: 10 May 2016 00:57

Instrument :
BNA_F
ClientSampleId :
TP7-9FT

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	125.8	188.6
115	56.8	51.5	77.3

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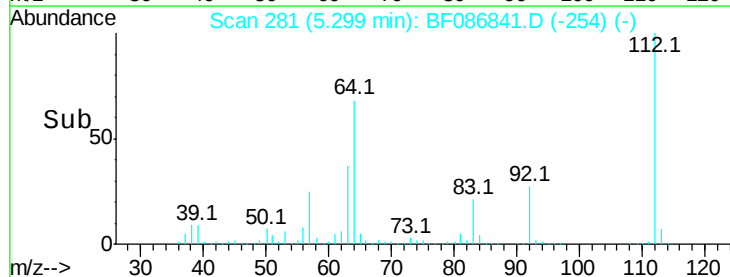
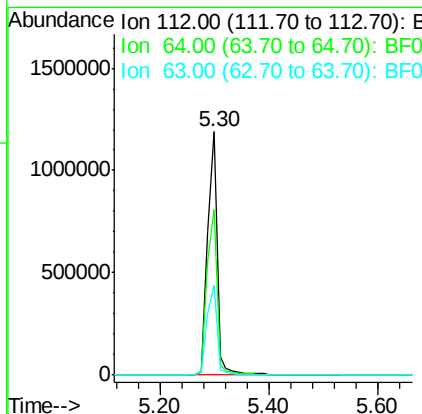
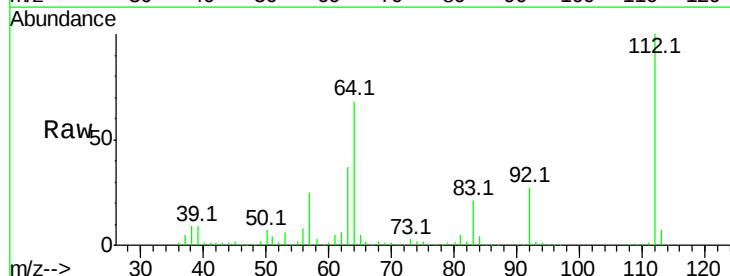
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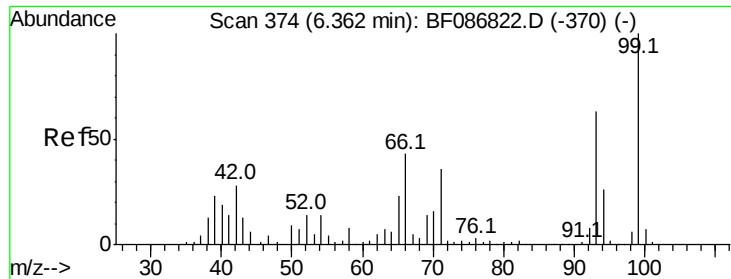


#5

2-Fluorophenol
Concen: 157.80 ng
RT: 5.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: BF086841.D
Acq: 10 May 2016 00:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.2	52.1	78.1
63	37.1	25.7	38.5





#7

Phenol-d6

Concen: 142.89 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.01 min

Lab File: BF086841.D

Acq: 10 May 2016 00:57

Instrument :

BNA_F

ClientSampleId :

TP7-9FT

Tot Ion: 99 Resp: 1763534

Ion Ratio Lower Upper

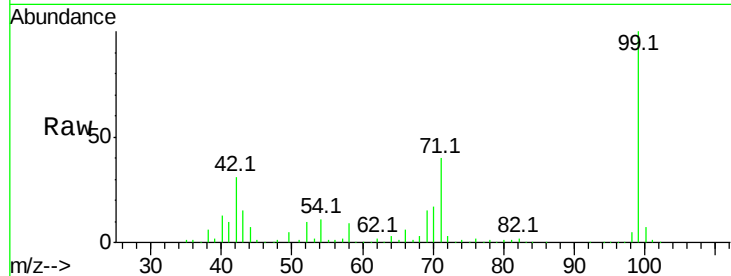
99 100

42 30.6 13.6 20.4#

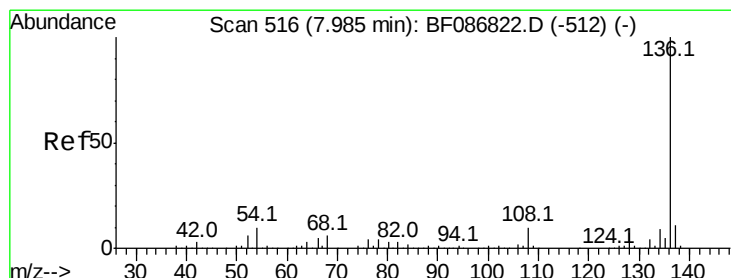
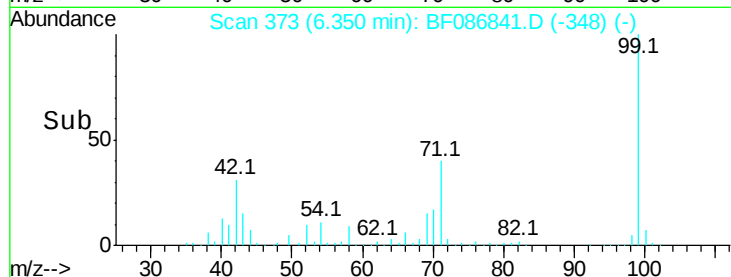
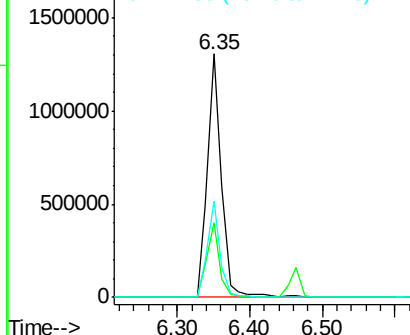
71 39.6 24.6 36.8#

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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: BF086841.D

Acq: 10 May 2016 00:57

Tgt Ion: 136 Resp: 657201

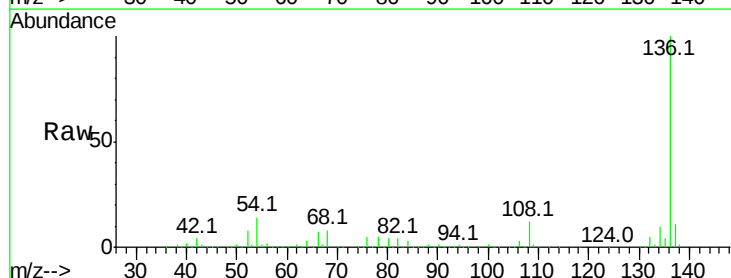
Ion Ratio Lower Upper

136 100

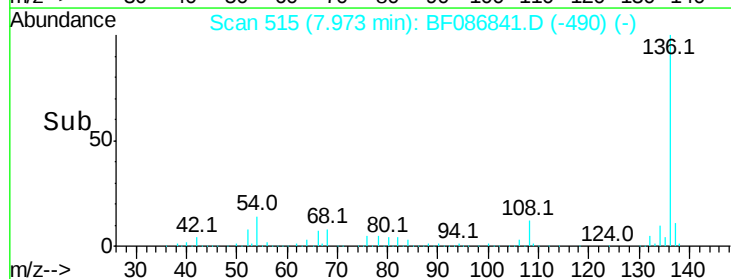
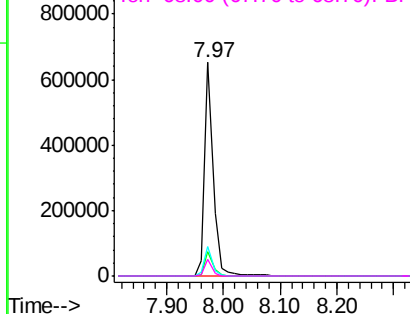
137 11.3 8.8 13.2

54 14.0 5.0 7.4#

68 7.7 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: 100.21 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.00 min

Lab File: BF086841.D

Acq: 10 May 2016 00:57

Instrument :

BNA_F

ClientSampleId :

TP7-9FT

Tot Ion: 82 Resp: 1311629

Ion Ratio Lower Upper

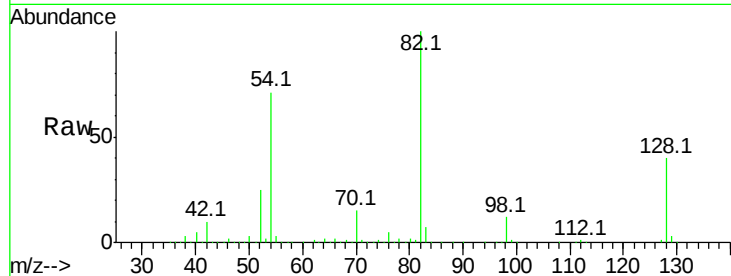
82 100

128 40.0 40.6 61.0#

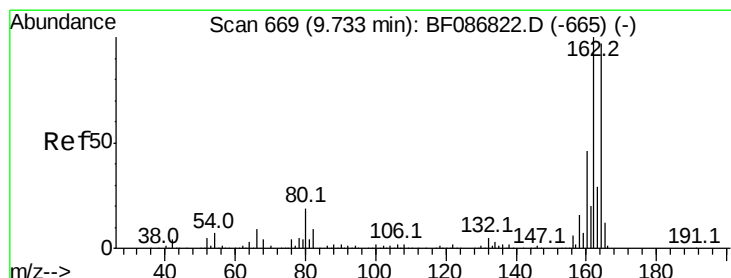
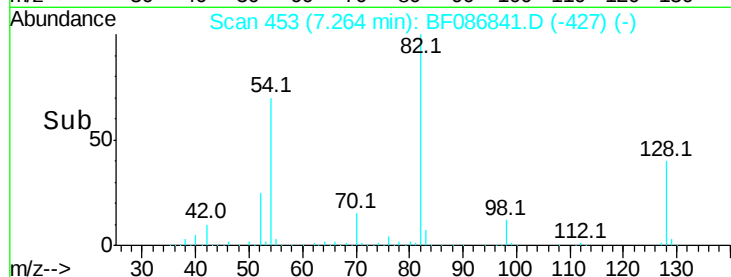
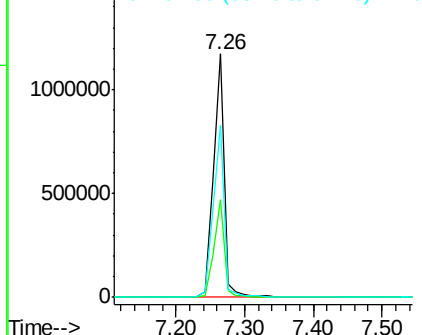
54 70.5 38.1 57.1#

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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: 9.72 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF086841.D

Acq: 10 May 2016 00:57

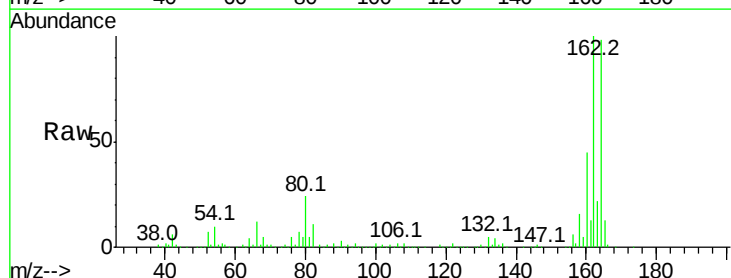
Tgt Ion:164 Resp: 323075

Ion Ratio Lower Upper

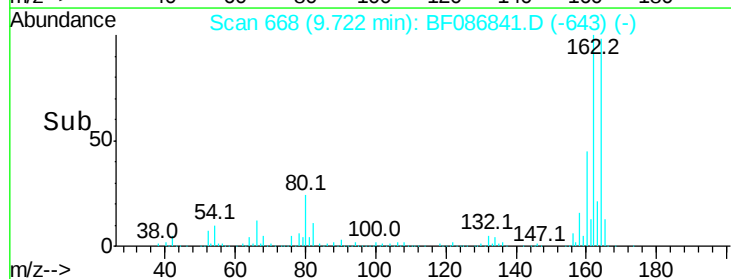
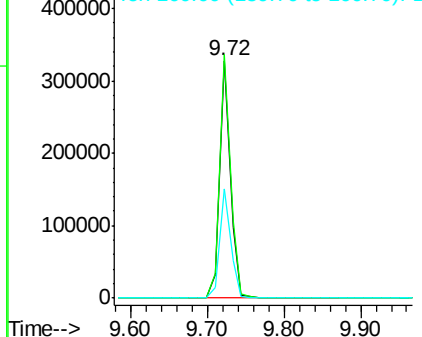
164 100

162 102.5 82.8 124.2

160 46.2 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





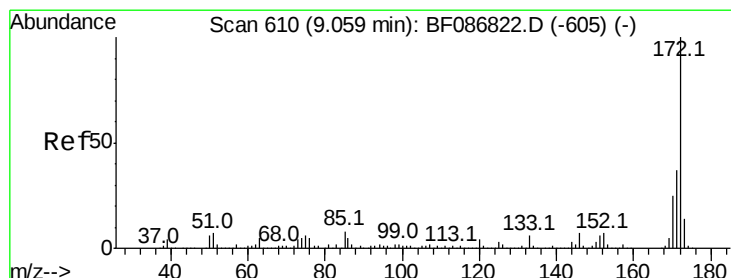
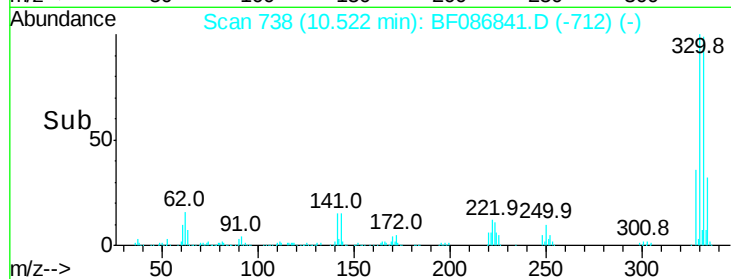
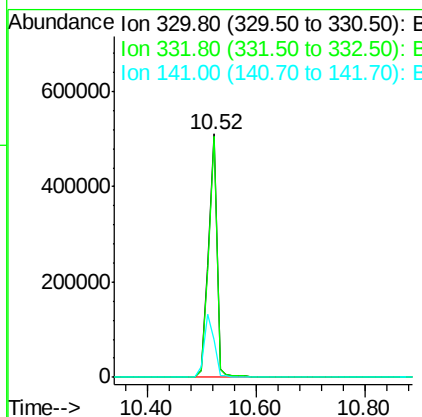
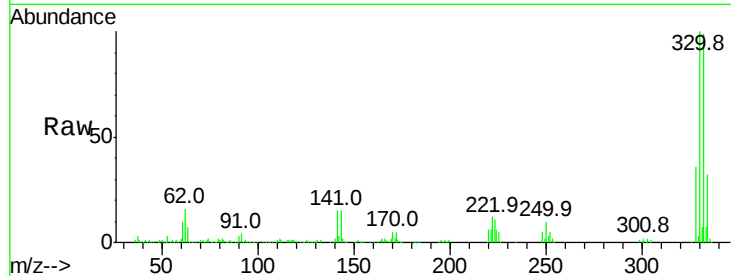
#41
 2,4,6-Tribromophenol
 Concen: 161.84 ng
 RT: 10.52 min Scan# 738
 Delta R.T. -0.00 min
 Lab File: BF086841.D
 Acq: 10 May 2016 00:57

Instrument :
 BNA_F
 ClientSampleId :
 TP7-9FT

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.0	79.0	118.4	
141	30.6	31.2	46.8	

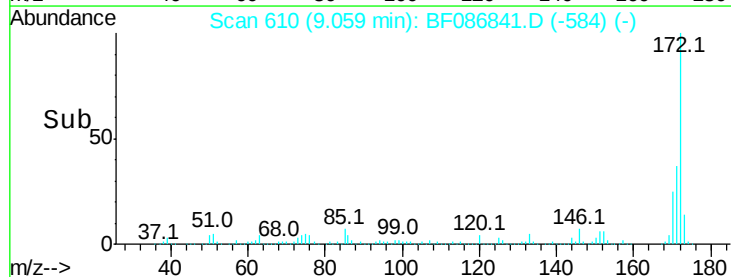
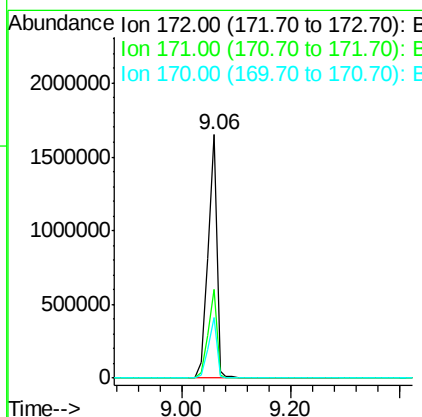
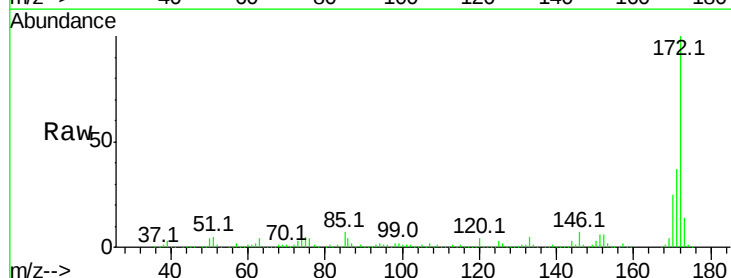
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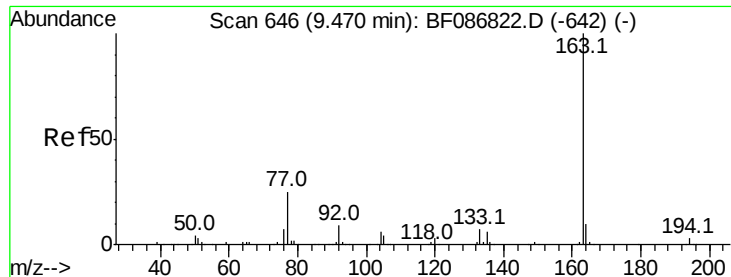
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#44
 2-Fluorobiphenyl
 Concen: 95.64 ng
 RT: 9.06 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: BF086841.D
 Acq: 10 May 2016 00:57

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.6	29.0	43.6	
170	25.0	19.8	29.8	





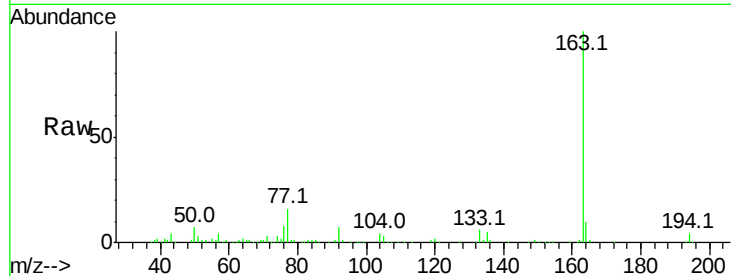
#49
Dimethylphthalate
Concen: 10.01 ng
RT: 9.46 min Scan# 645
Delta R.T. -0.01 min
Lab File: BF086841.D
Acq: 10 May 2016 00:57

Instrument :
BNA_F
ClientSampleId :
TP7-9FT

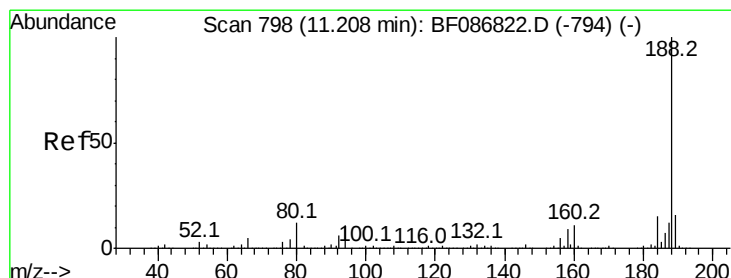
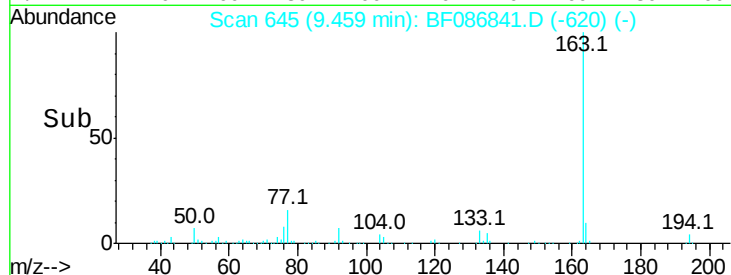
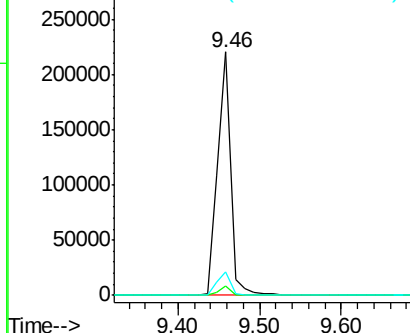
Tot Ion	Ratio	Resp	Lower	Upper
163	100	246618		
194	3.7	2.6	4.0	
164	9.7	8.2	12.4	

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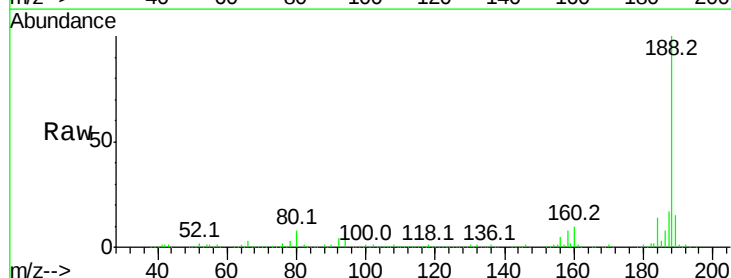


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

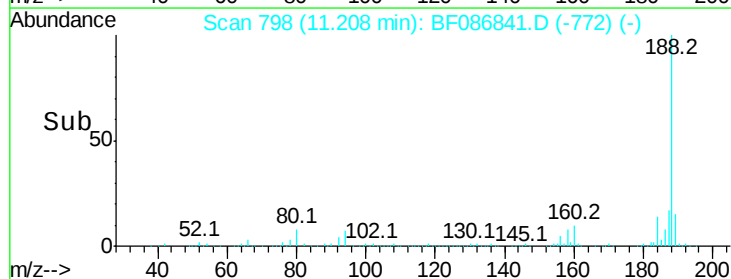
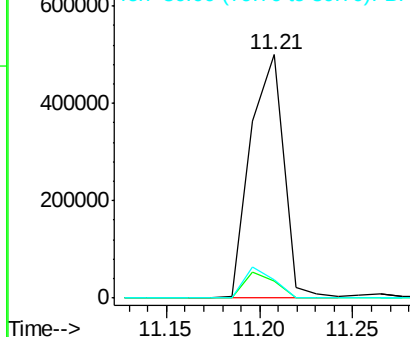


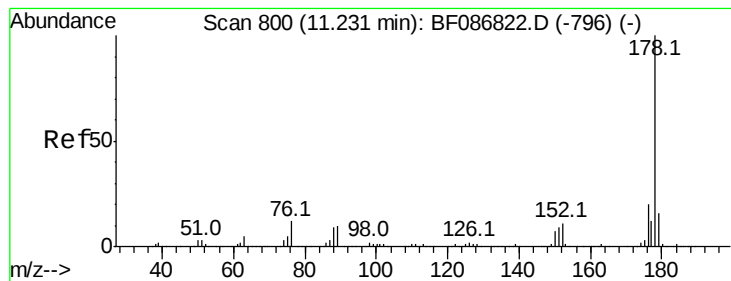
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 798
Delta R.T. -0.00 min
Lab File: BF086841.D
Acq: 10 May 2016 00:57

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	620290		
94	7.1	6.8	10.2	
80	7.6	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: 2.27 ng

RT: 11.23 min Scan# 800

Delta R.T. -0.00 min

Lab File: BF086841.D

Acq: 10 May 2016 00:57

Instrument :

BNA_F

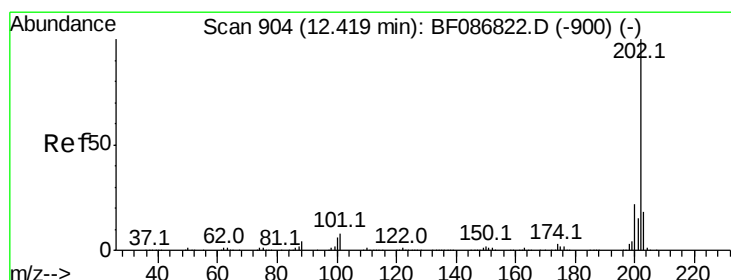
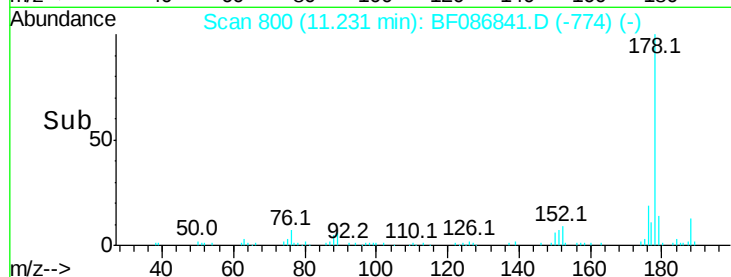
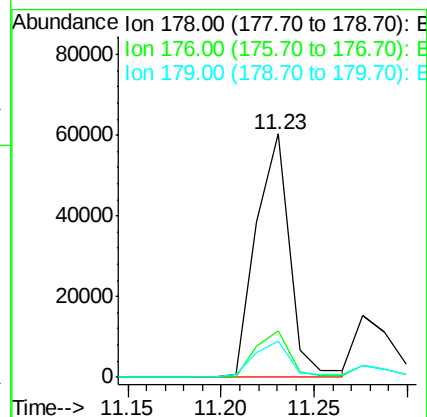
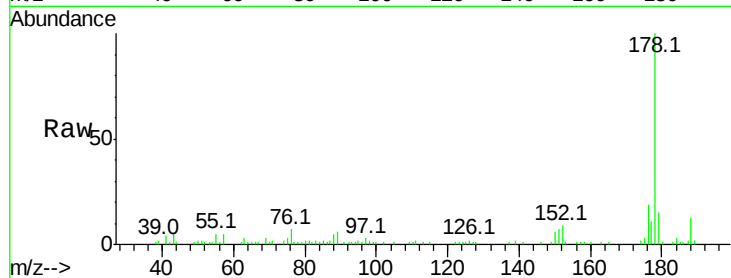
ClientSampleId :

TP7-9FT

Tot Ion:178	Resp:	75177
Ion Ratio	Lower	Upper
178	100	
176	19.0	16.0 24.0
179	15.0	12.6 18.8

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#74

Fluoranthene

Concen: 6.47 ng

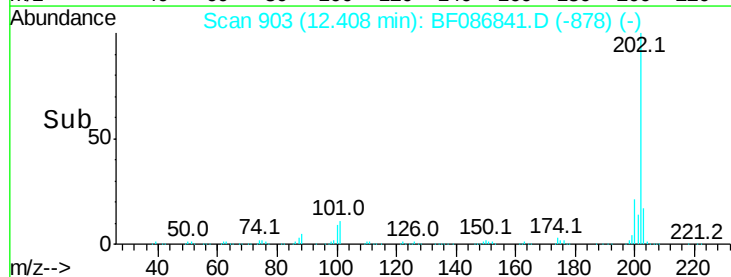
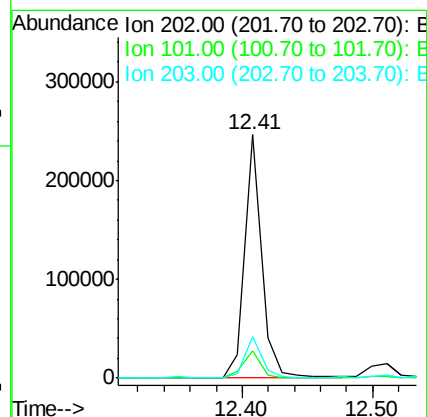
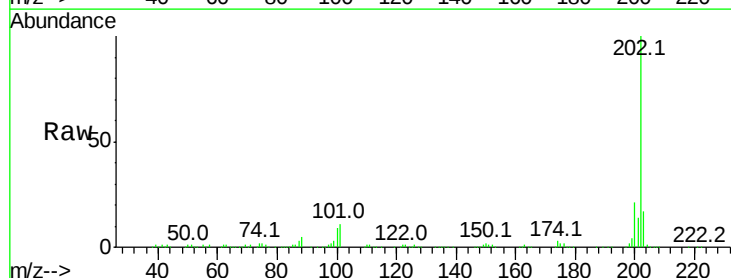
RT: 12.41 min Scan# 903

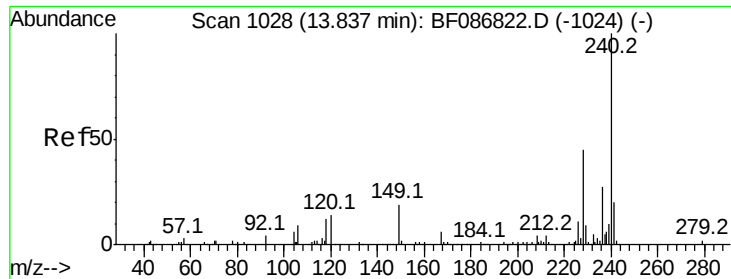
Delta R.T. -0.01 min

Lab File: BF086841.D

Acq: 10 May 2016 00:57

Tgt Ion:202	Resp:	220121
Ion Ratio	Lower	Upper
202	100	
101	11.2	0.0 35.4
203	16.9	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: BF086841.D

Acq: 10 May 2016 00:57

Instrument :

BNA_F

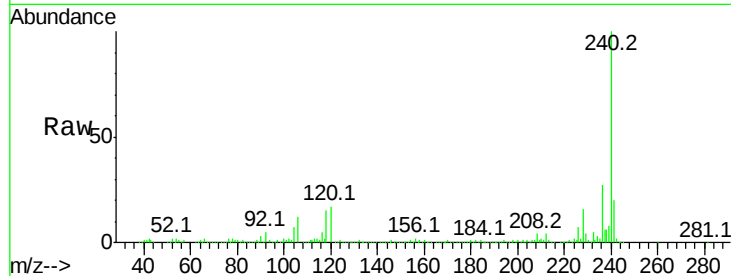
ClientSampled :

TP7-9FT

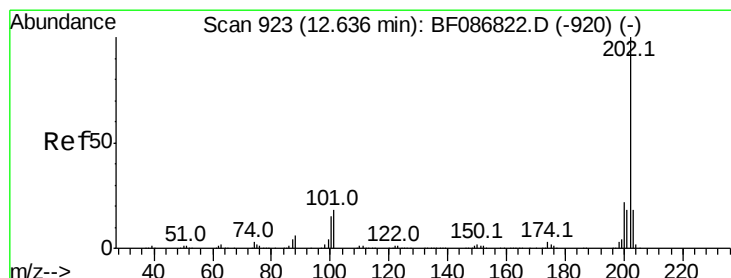
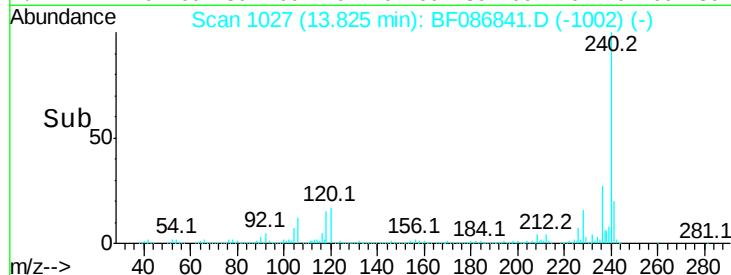
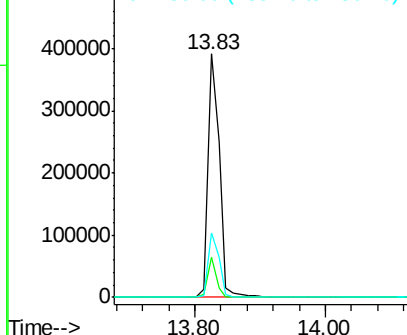
Tot Ion:	240	Resp:	476047
Ion Ratio	Lower	Upper	
240	100		
120	16.6	11.2	16.8
236	26.5	21.2	31.8

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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: 5.45 ng

RT: 12.64 min Scan# 923

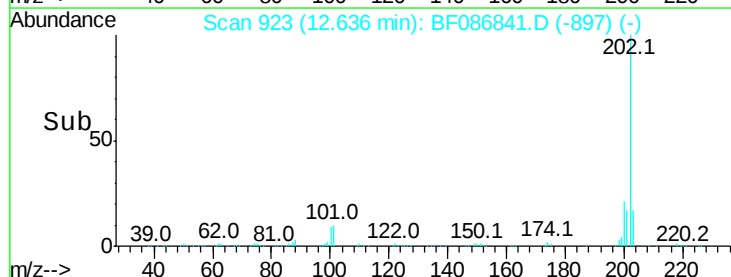
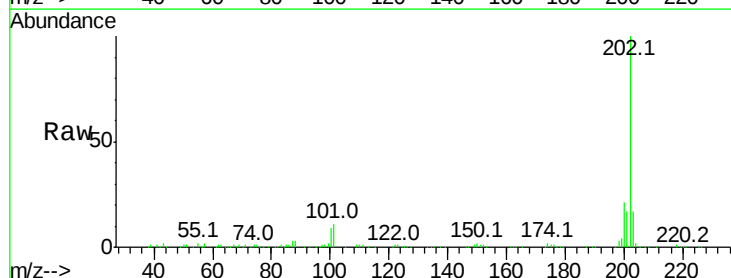
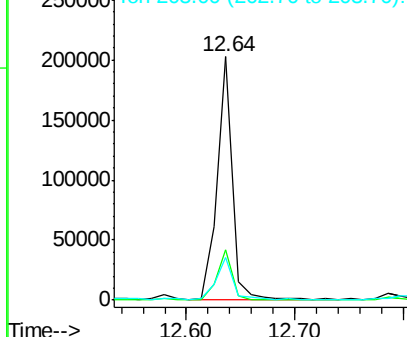
Delta R.T. -0.00 min

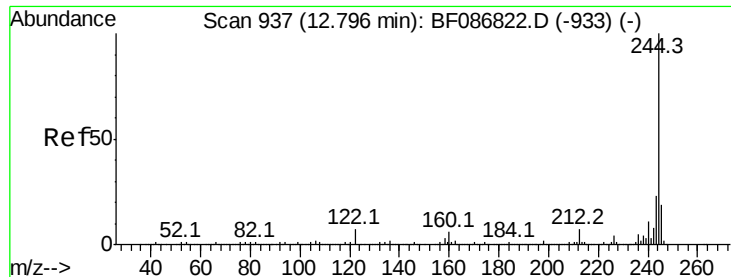
Lab File: BF086841.D

Acq: 10 May 2016 00:57

Tgt Ion:	202	Resp:	198739
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.7	26.5
203	17.3	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: 70.02 ng

RT: 12.78 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF086841.D

Acq: 10 May 2016 00:57

Instrument :

BNA_F

ClientSampleId :

TP7-9FT

Tot Ion:244 Resp: 1571037

Ion Ratio Lower Upper

244 100

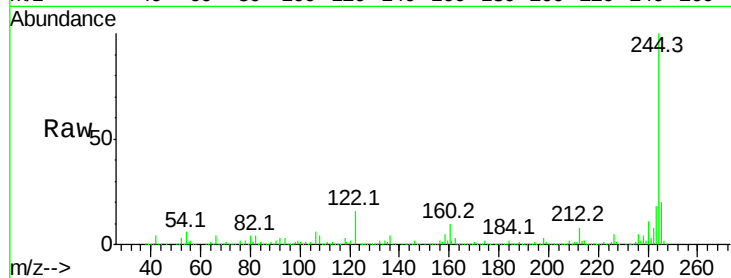
212 8.4 6.2 9.2

122 15.7 12.0 18.0

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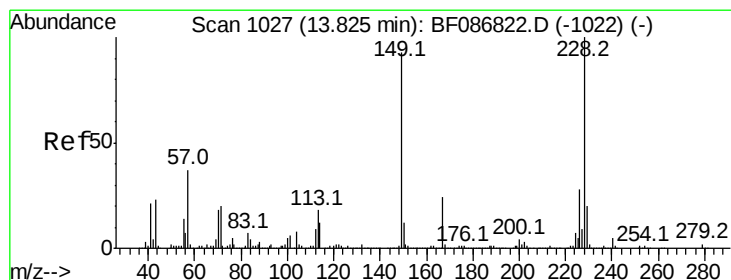
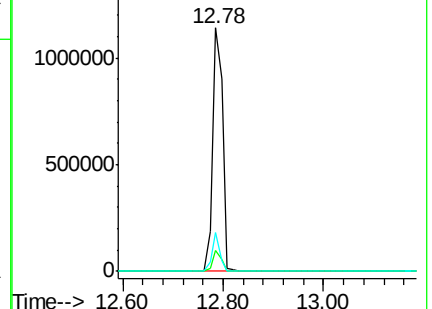
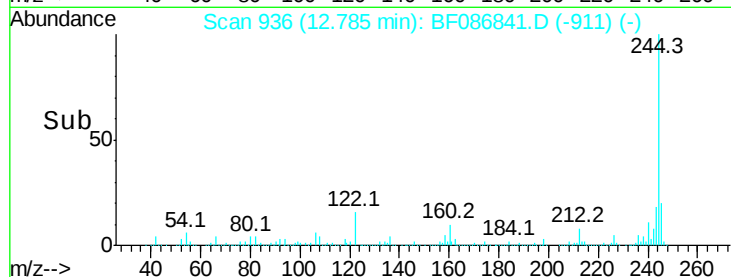
5/10/2016 11:05:55 AM



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: 4.21 ng

RT: 13.81 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF086841.D

Acq: 10 May 2016 00:57

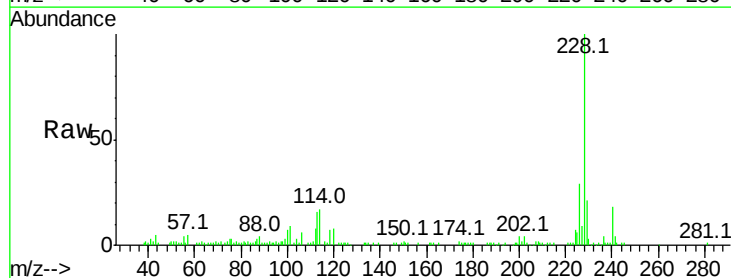
Tgt Ion:228 Resp: 112427

Ion Ratio Lower Upper

228 100

226 28.9 22.5 33.7

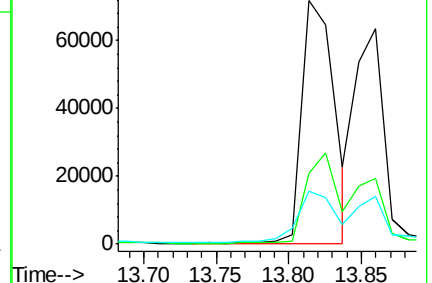
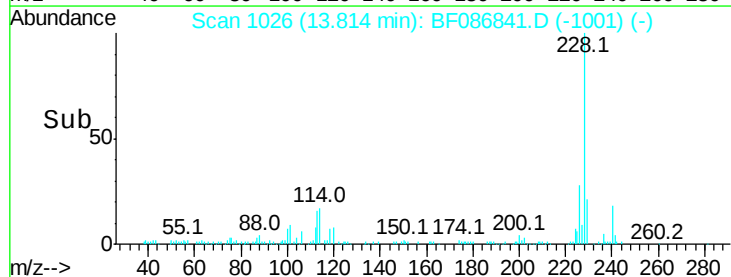
229 21.5 16.6 25.0

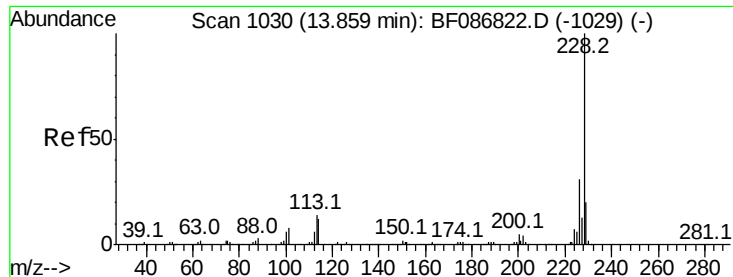


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





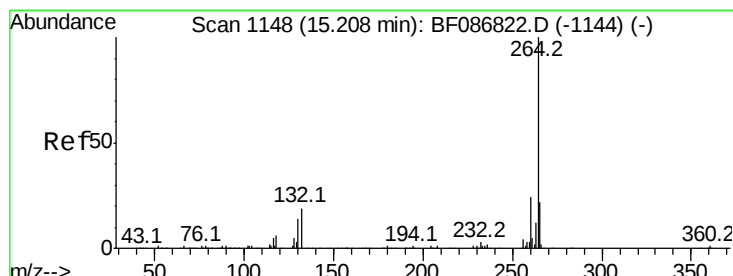
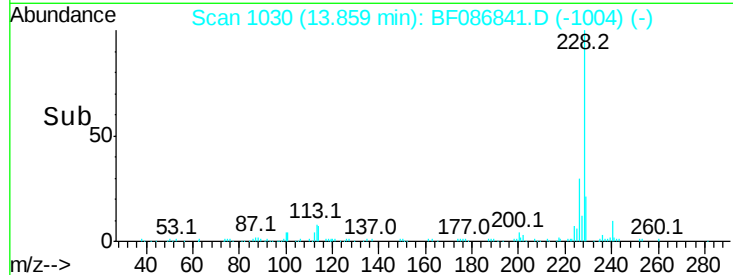
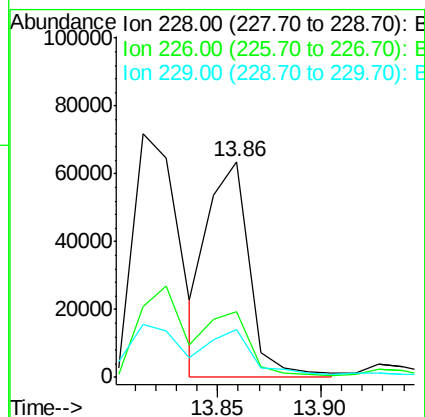
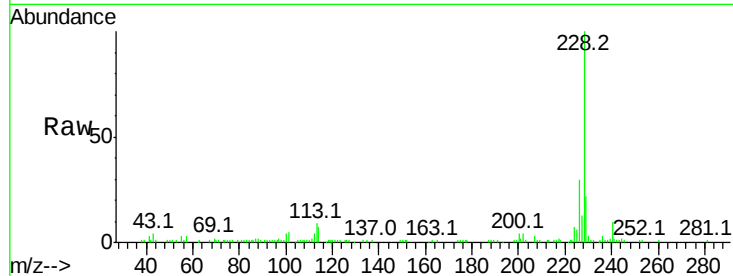
#82
Chrysene
Concen: 3.30 ng/ml
RT: 13.86 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BF086841.D
Acq: 10 May 2016 00:57

Instrument :
BNA_F
ClientSampleID :
TP7-9FT

Tot Ion:	228	Resp:	89670
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.4	36.6
229	22.1	15.8	23.8

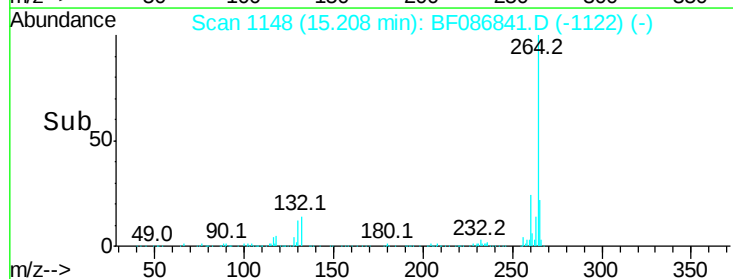
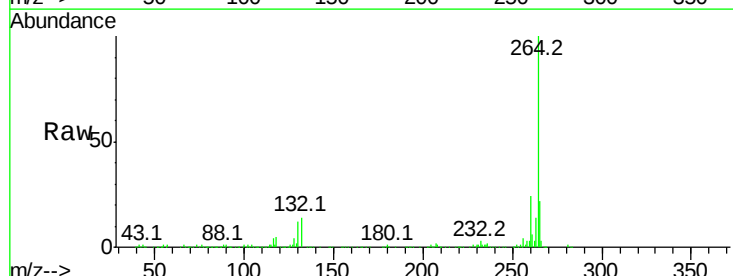
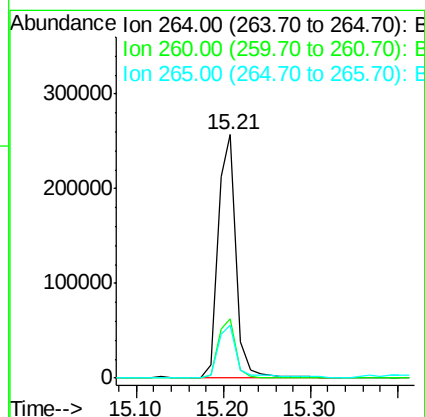
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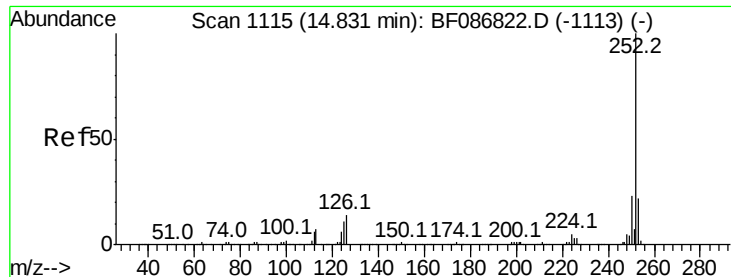
sohil
5/10/2016 11:05:55 AM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.21 min Scan# 1148
Delta R.T. -0.00 min
Lab File: BF086841.D
Acq: 10 May 2016 00:57

Tgt Ion:	264	Resp:	374677
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.5	29.3
265	21.7	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 4.55 ng m

RT: 14.83 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BF086841.D

Acq: 10 May 2016 00:57

Instrument :

BNA_F

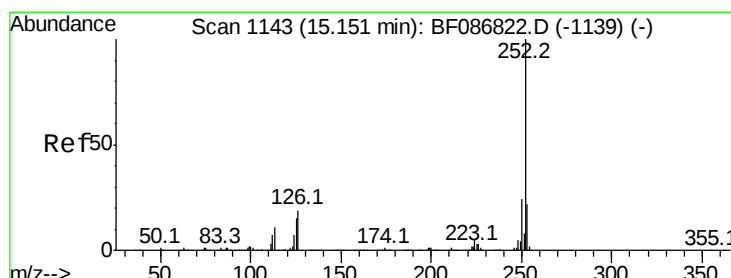
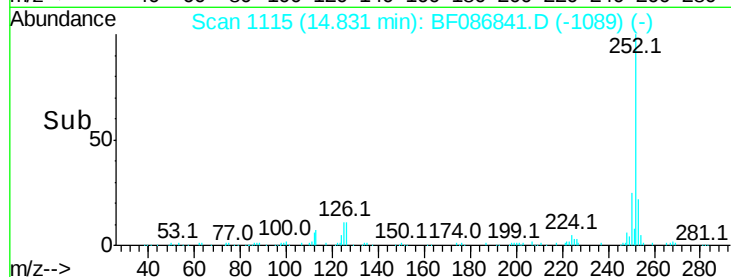
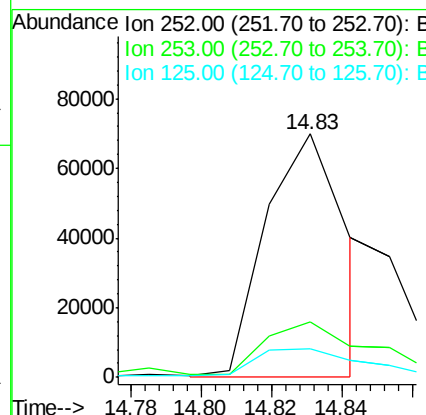
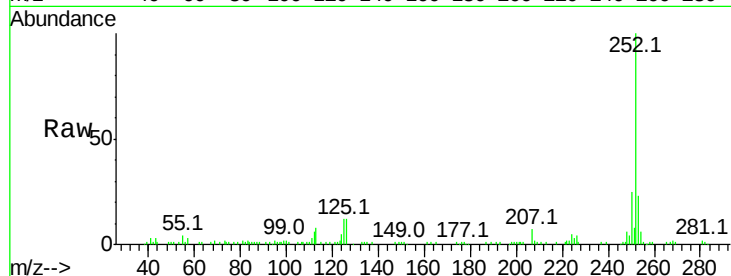
ClientSampleId :

TP7-9FT

Tot Ion:	252	Resp:	110822
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.8	26.6
125	11.5	11.4	17.0

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#89

Benzo(a)pyrene

Concen: 3.21 ng

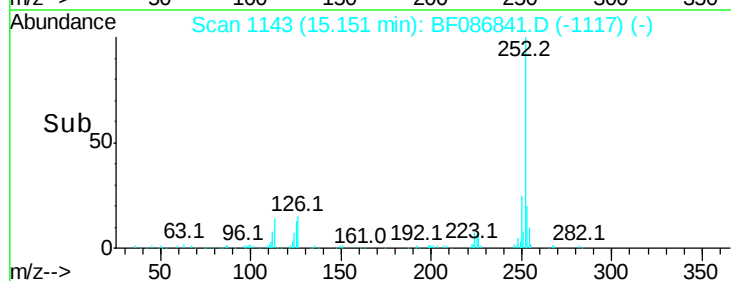
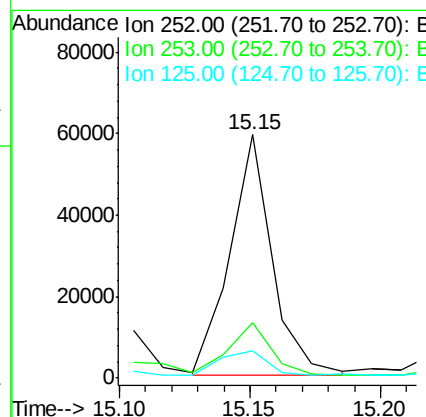
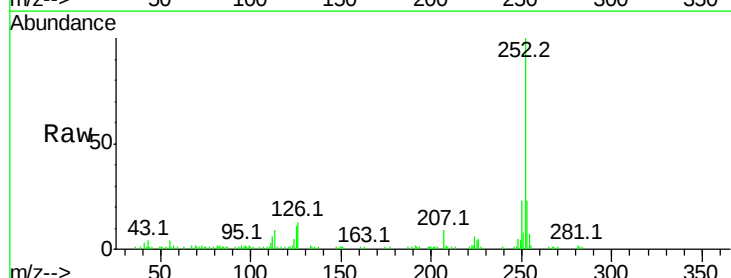
RT: 15.15 min Scan# 1143

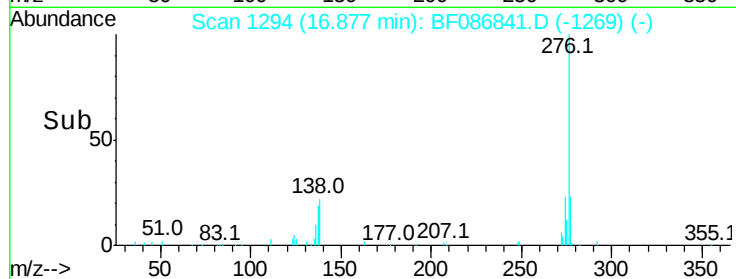
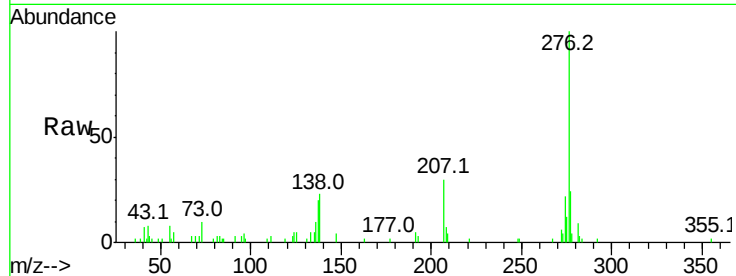
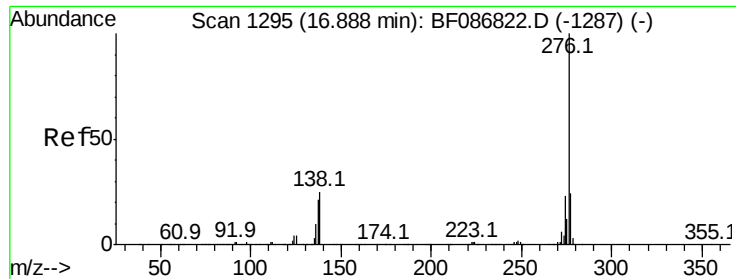
Delta R.T. -0.00 min

Lab File: BF086841.D

Acq: 10 May 2016 00:57

Tgt Ion:	252	Resp:	67376
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.2	25.8
125	11.1	9.0	13.6





#91

Benzo(a,h,i)perylene

Concen: 2.12 ng

RT: 16.88 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF086841.D

Acq: 10 May 2016 00:57

Instrument :

BNA_F

ClientSampled :

TP7-9FT

Tot Ion:	276	Resp:	38199
Ion Ratio		Lower	Upper
276	100		
277	23.9	19.6	29.4
138	23.2	23.6	35.4#

Manual Integrations
APPROVED

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5/10/2016 11:05:55 AM

