

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
 Data File : BF086813.D
 Acq On : 8 May 2016 10:05
 Operator : UM/SJ
 Sample : H2762-08DL 20X
 Misc :
 ALS Vial : 81 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B4COMPDL

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Quant Time: May 09 18:35:37 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 15:12:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	181780	40.00	ng	-0.03
21) Naphthalene-d8	8.00	136	707659	40.00	ng	-0.03
38) Acenaphthene-d10	9.73	164	292531	40.00	ng	-0.05
63) Phenanthrene-d10	11.22	188	488256	40.00	ng	-0.03
75) Chrysene-d12	13.85	240	352889	40.00	ng	-0.03
86) Perylene-d12	15.22	264	310917	40.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	74426	6.78	ng	-0.01
7) Phenol-d6	6.36	99	108243	7.32	ng	-0.01
23) Nitrobenzene-d5	7.28	82	60202	4.37	ng	-0.03
41) 2,4,6-Tribromophenol	10.53	330	17197	6.01	ng	-0.03
44) 2-Fluorobiphenyl	9.07	172	105577	5.92	ng	-0.03
78) Terphenyl-d14	12.80	244	72161	4.13	ng	-0.05
Target Compounds						Qvalue
31) Naphthalene	8.02	128	1656215	45.81	ng	100
37) 2-Methylnaphthalene	8.70	142	525377	24.63	ng	99
45) 1,1'-Biphenyl	9.16	154	100529	4.20	ng	95
48) Acenaphthylene	9.60	152	284878	10.40	ng	97
51) Acenaphthene	9.77	154	117511	6.50	ng	97
57) Fluorene	10.28	166	281740	15.52	ng	99
70) Phenanthrene	11.24	178	900193	34.32	ng	99
71) Anthracene	11.29	178	269511	9.81		

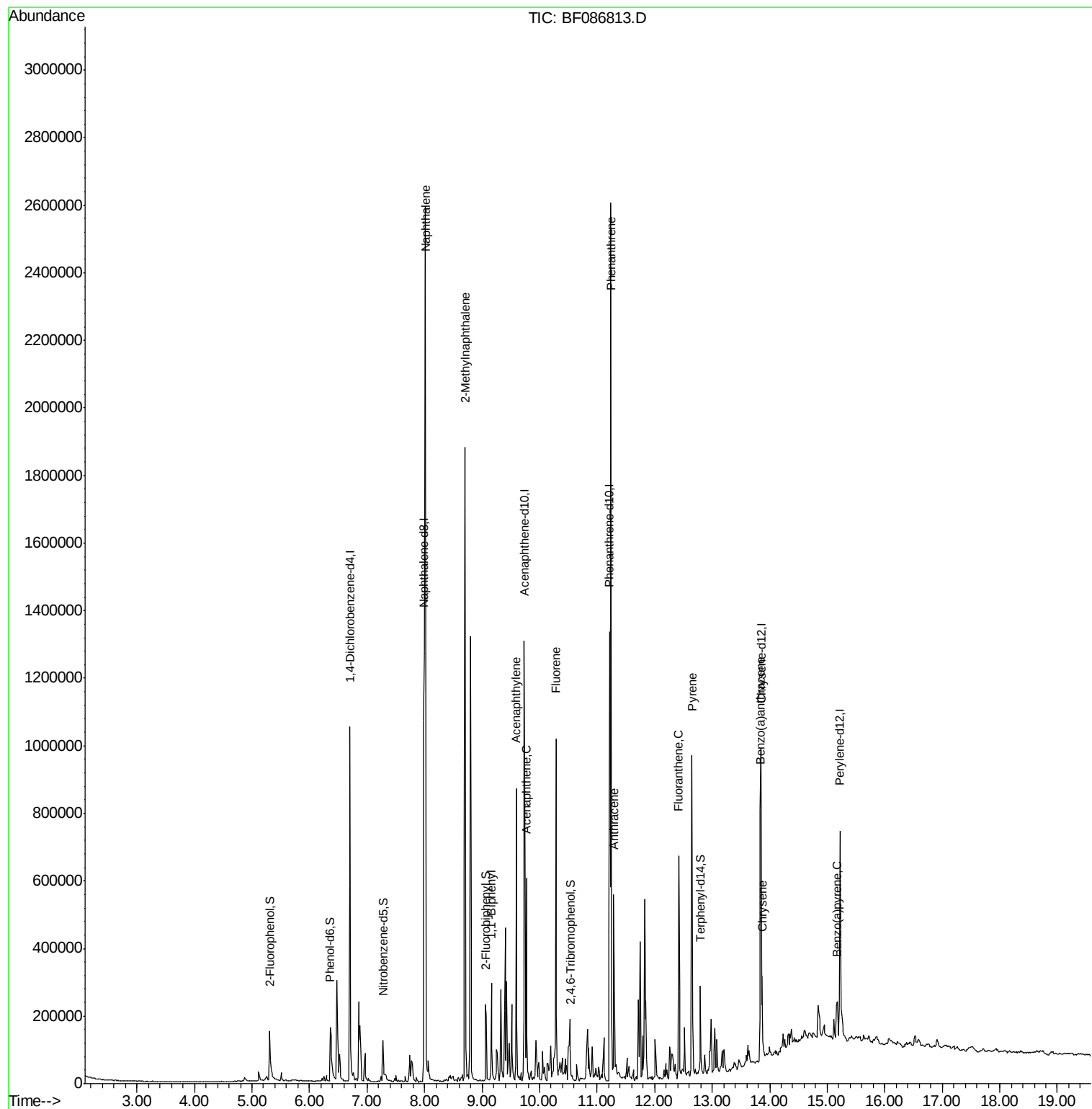
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
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Misc :
ALS Vial : 81 Sample Multiplier: 1

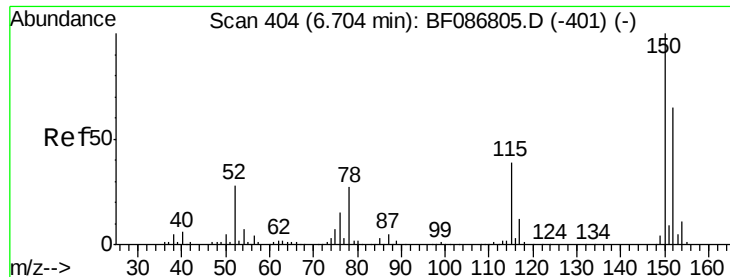
Instrument :
BNA_F
ClientSampleId :
TEC-B4COMPDL

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#1

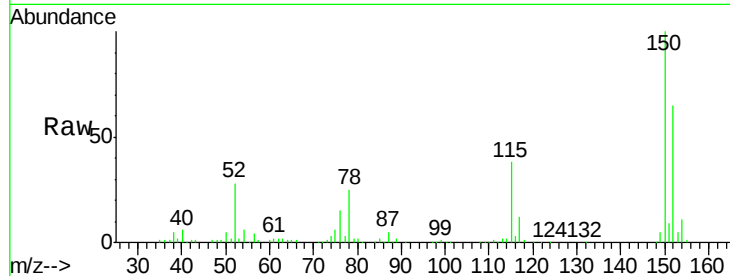
1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.70 min Scan# 404
Delta R.T. -0.03 min
Lab File: BF086813.D
Acq: 8 May 2016 10:05

Instrument :
BNA_F
ClientSampleId :
TEC-B4COMPDL

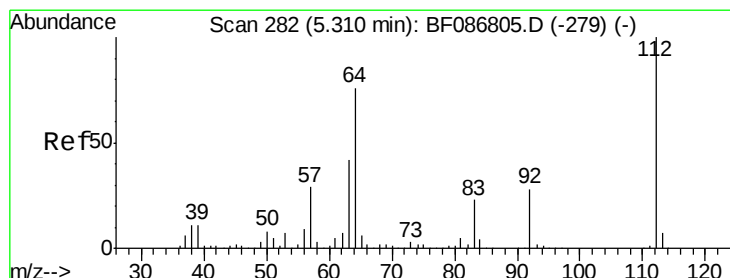
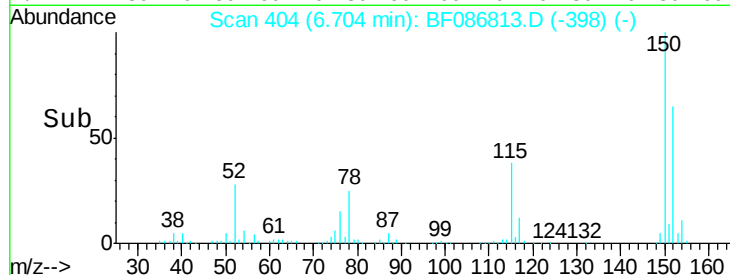
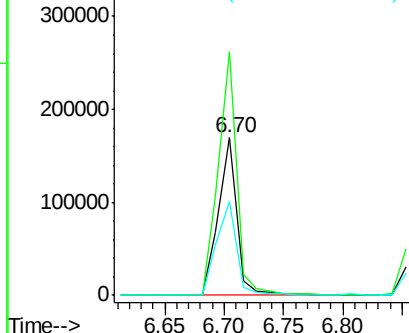
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	181780		
150	154.5	125.8	188.6	
115	59.3	51.5	77.3	

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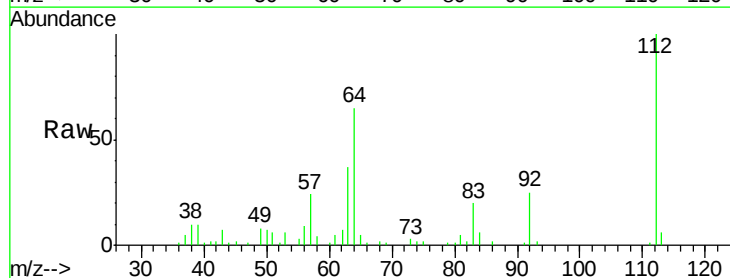
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



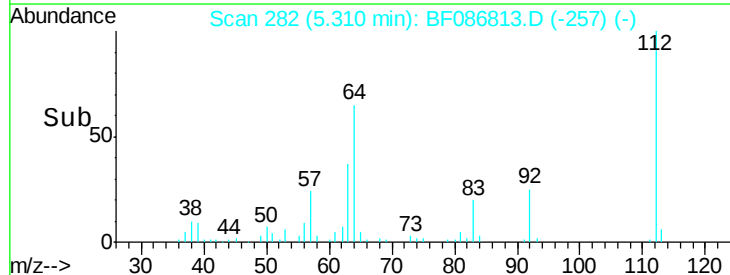
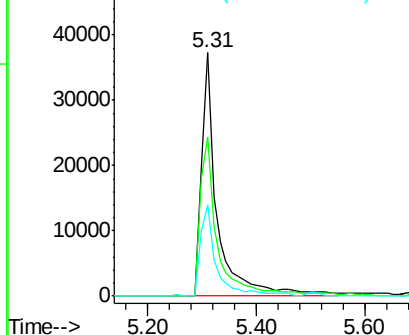
#5

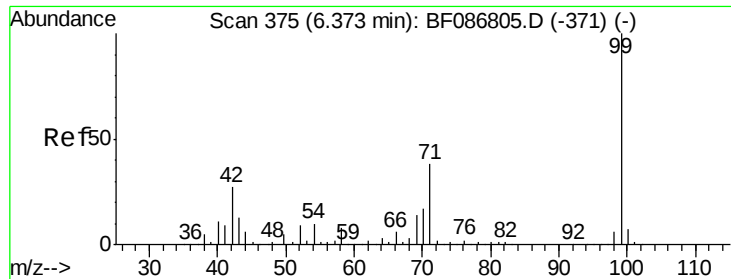
2-Fluorophenol
Concen: 6.78 ng
RT: 5.31 min Scan# 282
Delta R.T. -0.01 min
Lab File: BF086813.D
Acq: 8 May 2016 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	74426		
64	65.3	52.1	78.1	
63	37.4	25.7	38.5	



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 7.32 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF086813.D

Acq: 8 May 2016 10:05

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 99 Resp: 108243
Ion Ratio Lower Upper

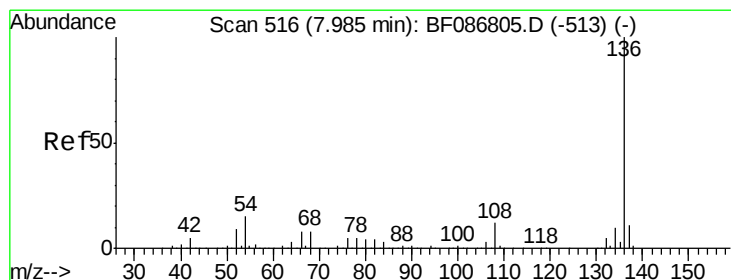
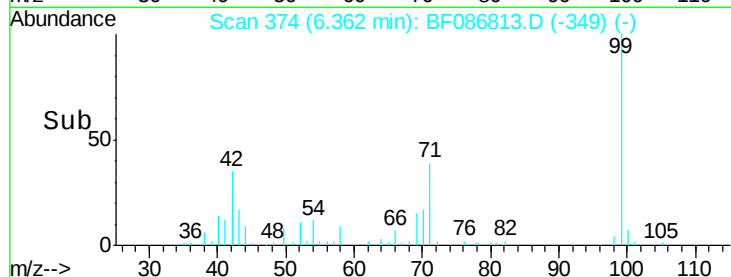
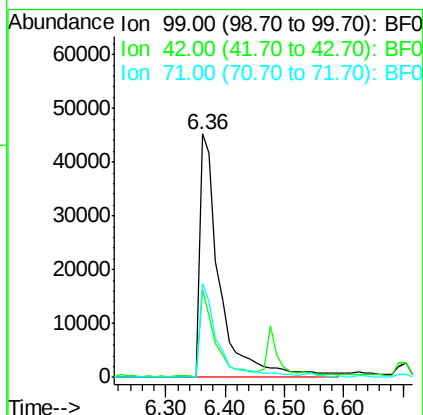
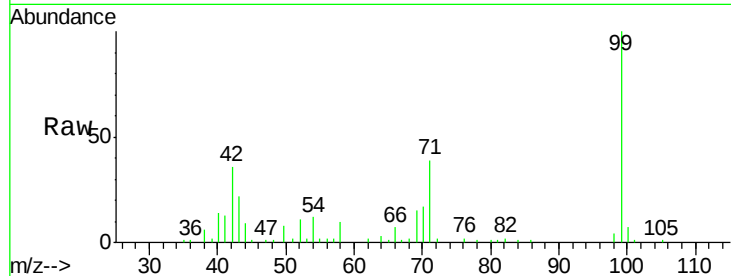
99 100

42 36.0 13.6 20.4#

71 38.8 24.6 36.8#

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#21

Naphthalene-d8

Concen: 40.00 ng

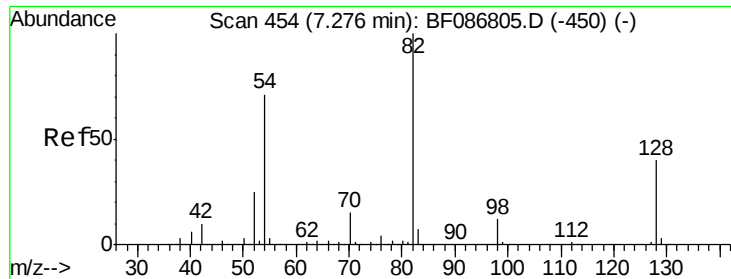
RT: 8.00 min Scan# 517

Delta R.T. -0.03 min

Lab File: BF086813.D

Acq: 8 May 2016 10:05

Tgt Ion: 136 Resp: 707659
Ion Ratio Lower Upper



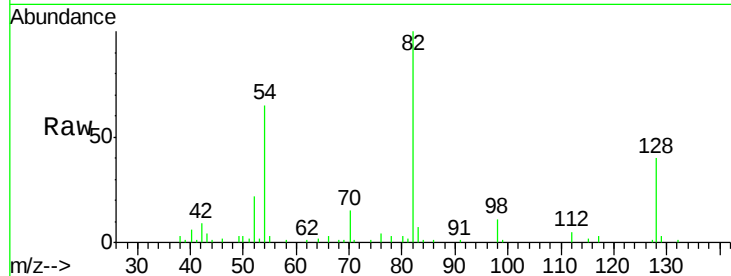
#23
 Nitrobenzene-d5
 Concen: 4.37 ng
 RT: 7.28 min Scan# 454
 Delta R.T. -0.03 min
 Lab File: BF086813.D
 Acq: 8 May 2016 10:05

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B4COMPDL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.7	40.6	61.0#
54	64.6	38.1	57.1#

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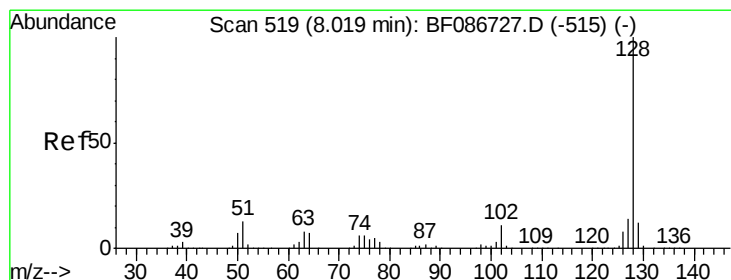
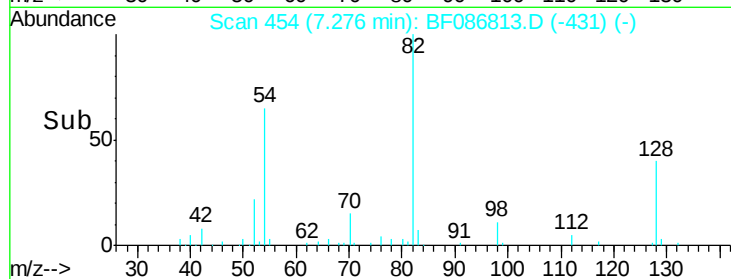
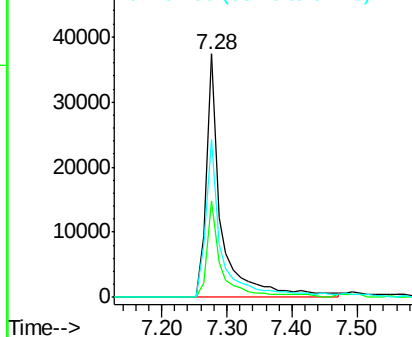


Abundance

Ion 82.00 (81.70 to 82.70): BF0

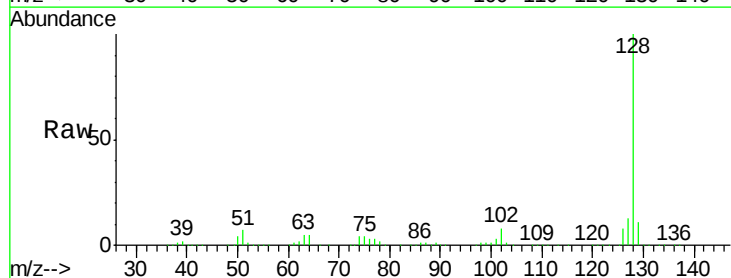
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#31
 Naphthalene
 Concen: 45.81 ng
 RT: 8.02 min Scan# 519
 Delta R.T. -0.02 min
 Lab File: BF086813.D
 Acq: 8 May 2016 10:05

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	13.4	10.8	16.2

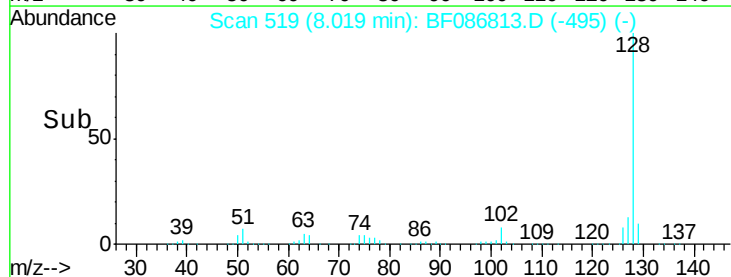
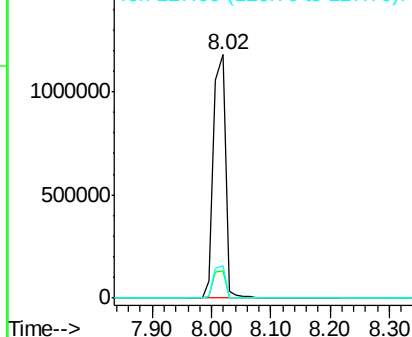


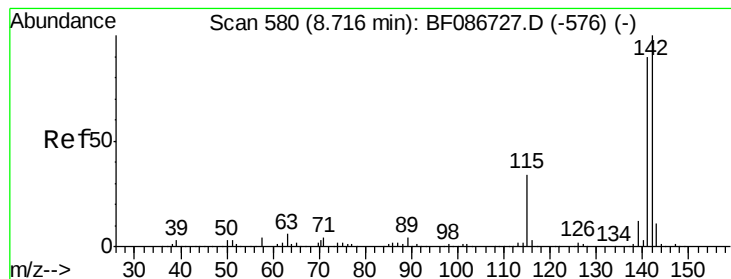
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#37

2-Methylnaphthalene

Concen: 24.63 ng

RT: 8.70 min Scan# 579

Delta R.T. -0.03 min

Lab File: BF086813.D

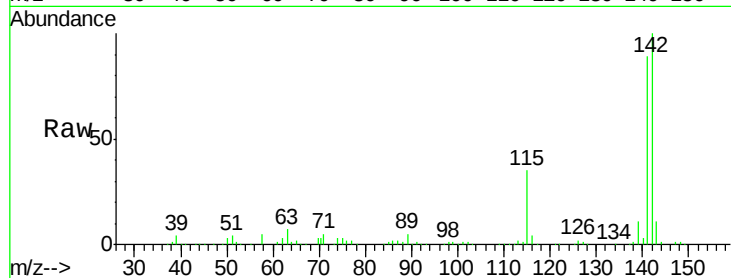
Acq: 8 May 2016 10:05

Instrument :

BNA_F

ClientSampleId :

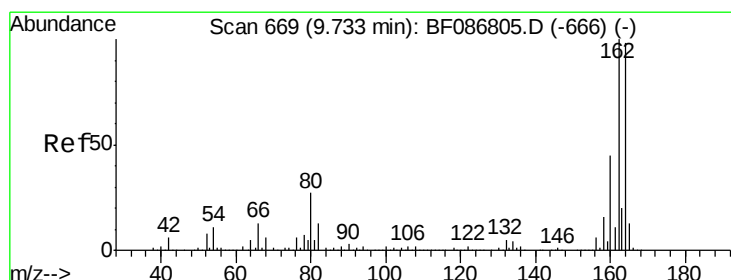
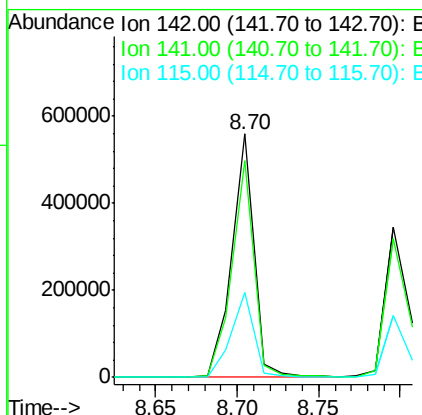
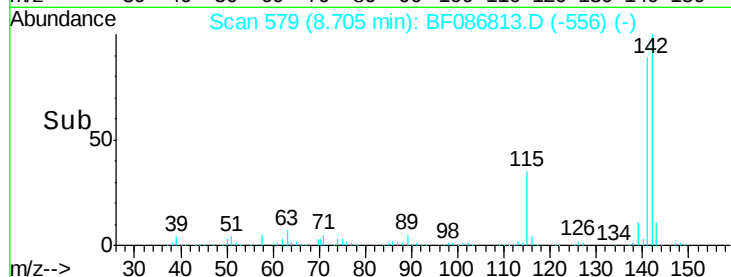
TEC-B4COMPDL



Tgt Ion:	142	Resp:	525377
Ion Ratio	Lower	Upper	
142	100		
141	89.3	71.0	106.6
115	34.6	26.6	39.8

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#38

Acenaphthene-d10

Concen: 40.00 ng

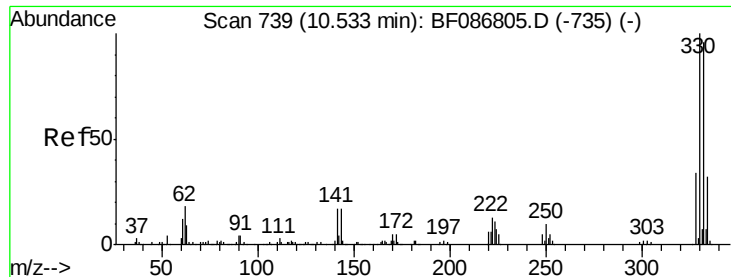
RT: 9.73 min Scan# 669

Delta R.T. -0.05 min

Lab File: BF086813.D

Acq: 8 May 2016 10:05

Tgt Ion:	164	Resp:	292531



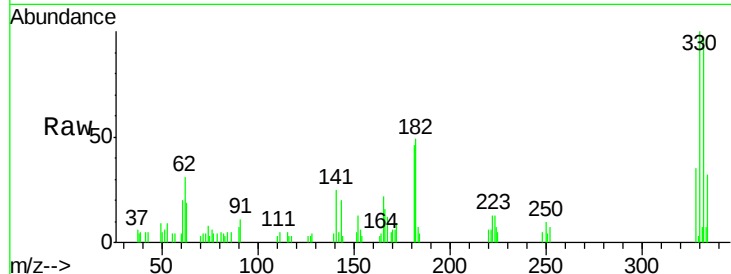
#41
 2,4,6-Tribromophenol
 Concen: 6.01 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.03 min
 Lab File: BF086813.D
 Acq: 8 May 2016 10:05

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B4COMPDL

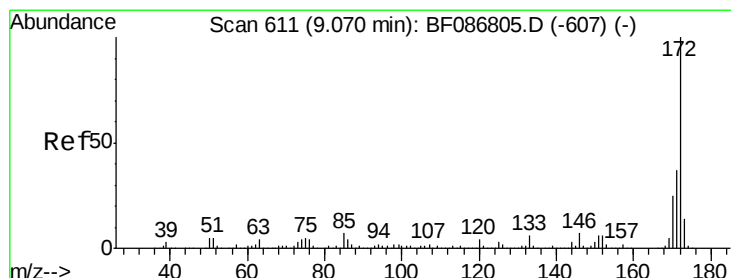
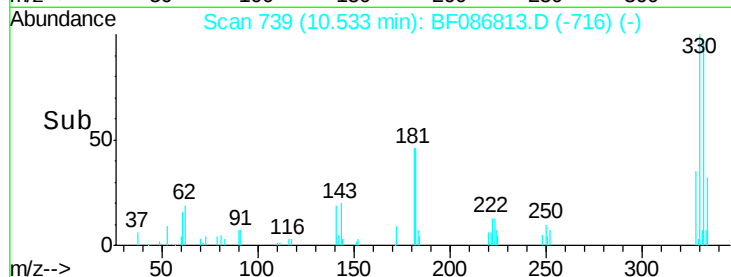
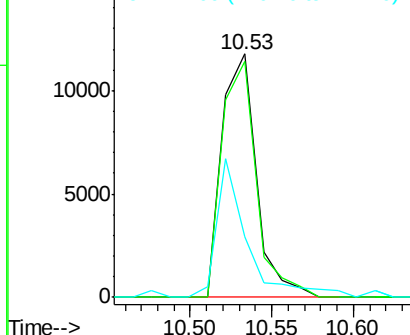
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	17197		
332	97.2	79.0	118.4	
141	51.7	31.2	46.8#	

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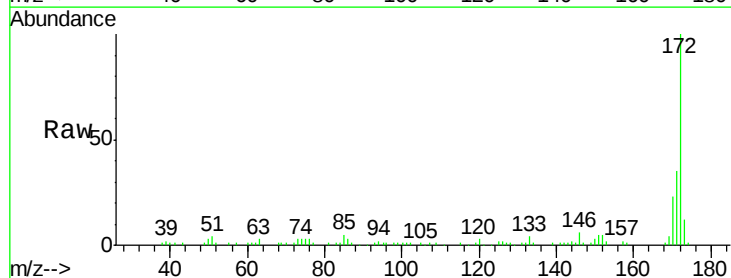
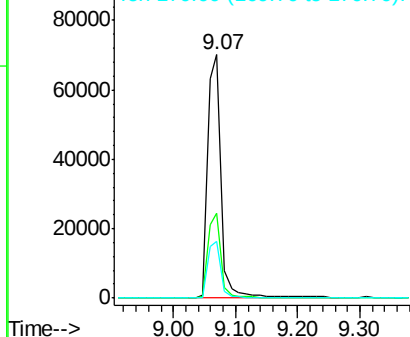
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

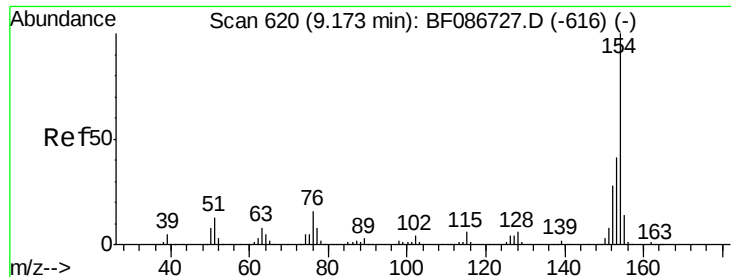


#44
 2-Fluorobiphenyl
 Concen: 5.92 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: BF086813.D
 Acq: 8 May 2016 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	105577		
171	35.1	29.0	43.6	
170	23.1	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





#45

1,1'-Biphenyl

Concen: 4.20 ng

RT: 9.16 min Scan# 619

Delta R.T. -0.05 min

Lab File: BF086813.D

Acq: 8 May 2016 10:05

Instrument :

BNA_F

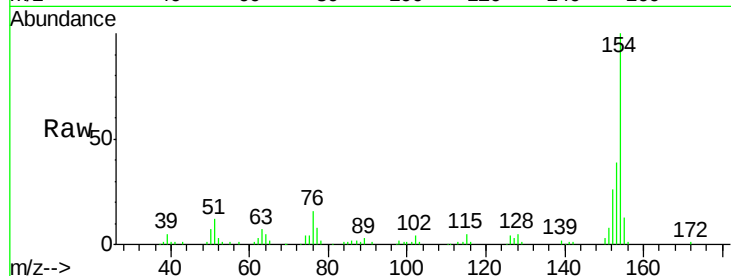
ClientSampleId :

TEC-B4COMPDL

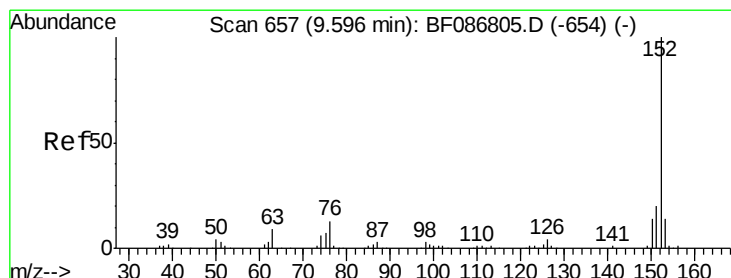
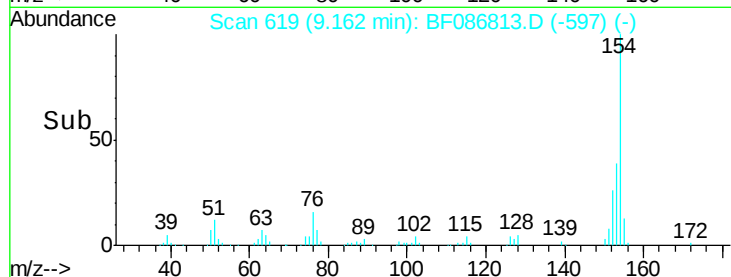
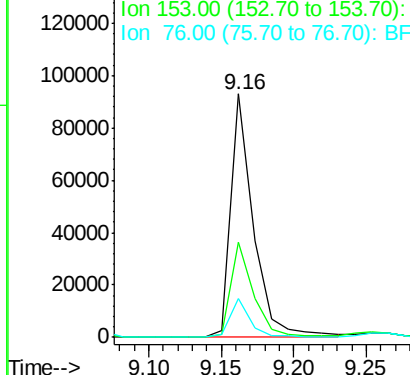
Tgt Ion:	154	Resp:	100529
Ion Ratio		Lower	Upper
154	100		
153	38.9	20.3	60.3
76	16.1	0.0	30.2

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BFO



#48

Acenaphthylene

Concen: 10.40 ng

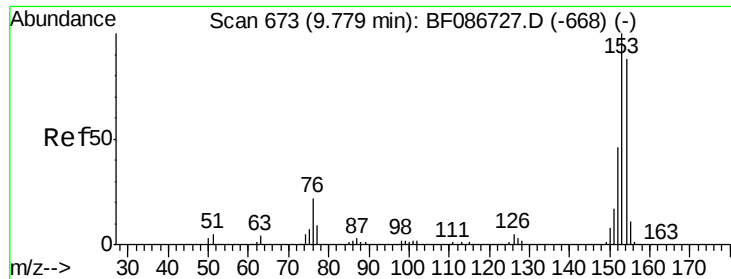
RT: 9.60 min Scan# 657

Delta R.T. -0.05 min

Lab File: BF086813.D

Acq: 8 May 2016 10:05

Tgt Ion:</



#51

Acenaphthene

Concen: 6.50 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.05 min

Lab File: BF086813.D

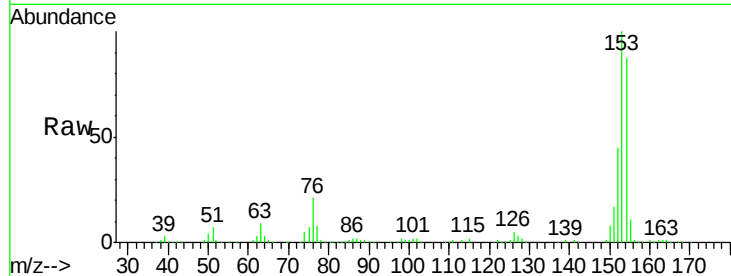
Acq: 8 May 2016 10:05

Instrument :

BNA_F

ClientSampleId :

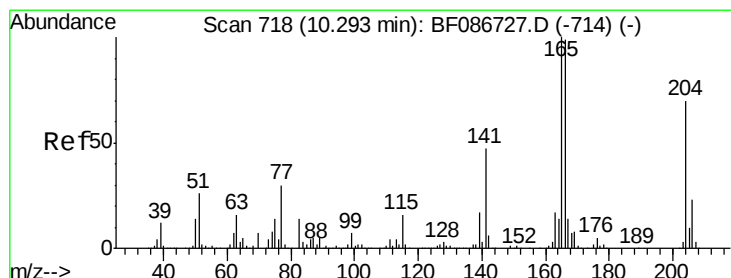
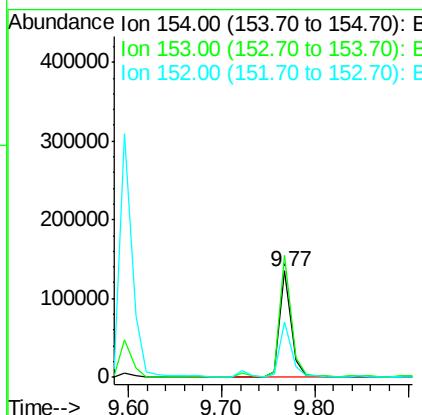
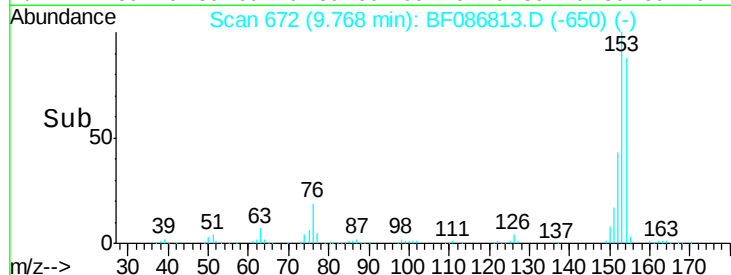
TEC-B4COMPDL



Tgt Ion:	154	Resp:	117511
Ion Ratio	Lower	Upper	
154	100		
153	115.2	89.8	134.6
152	51.9	43.4	65.0

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#57

Fluorene

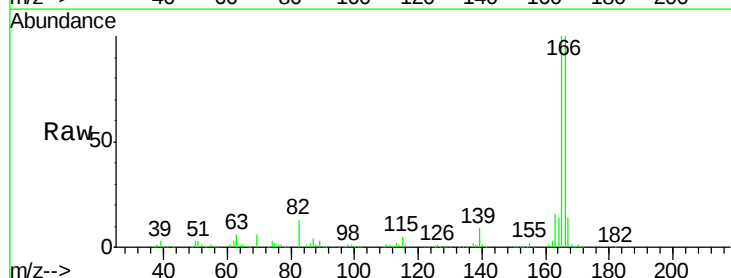
Concen: 15.52 ng

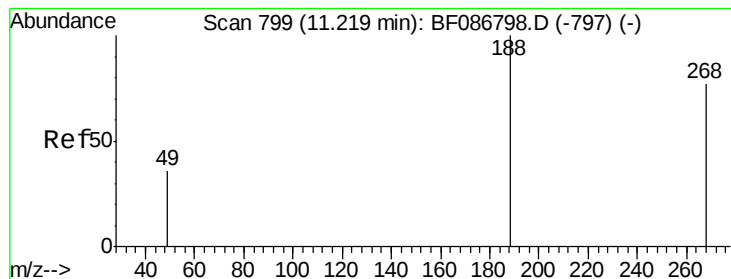
RT: 10.28 min Scan# 717

Delta R.T. -0.05 min

Lab File: BF086813.D

Acq: 8 May 2016 10:05





#63

Phenanthrene-d10

Concen: 40.00 ng

RT: 11.22 min Scan# 799

Delta R.T. -0.03 min

Lab File: BF086813.D

Acq: 8 May 2016 10:05

Instrument :

BNA_F

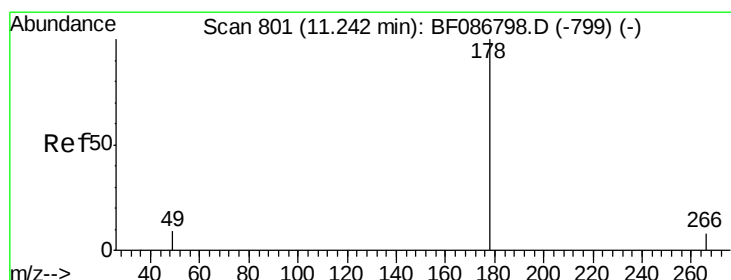
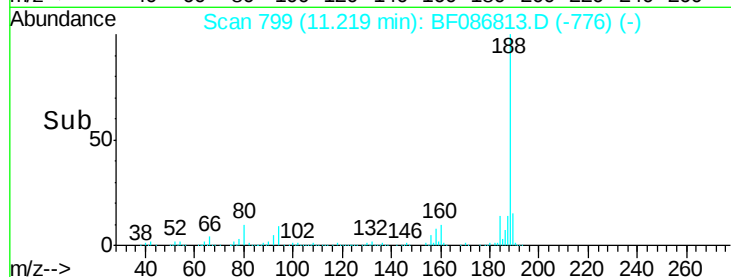
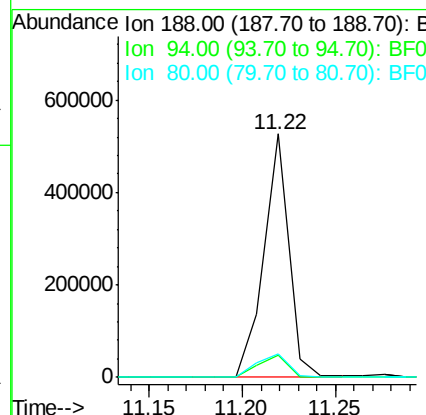
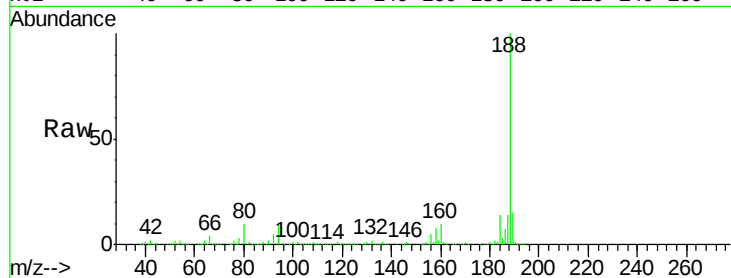
ClientSampleId :

TEC-B4COMPDL

Tgt Ion:	188	Resp:	488256
Ion Ratio	Lower	Upper	
188	100		
94	9.3	6.8	10.2
80	9.7	7.1	10.7

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#70

Phenanthrene

Concen: 34.32 ng

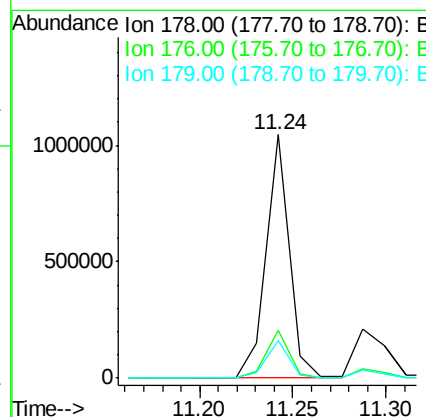
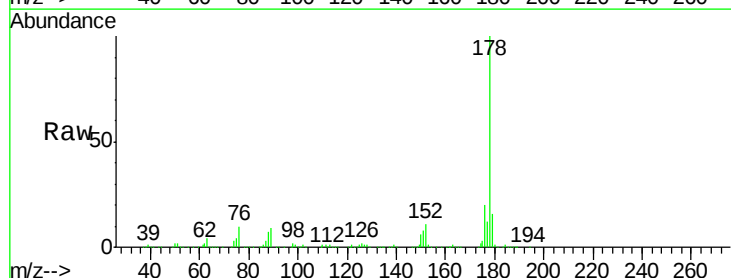
RT: 11.24 min Scan# 801

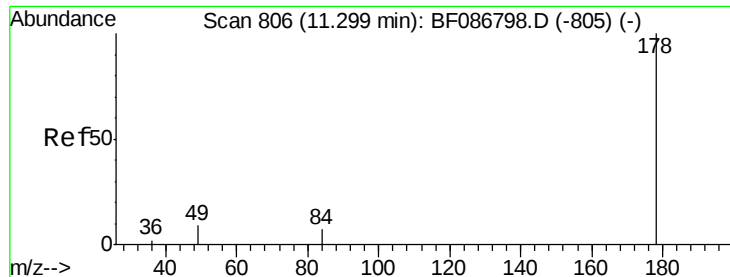
Delta R.T. -0.03 min

Lab File: BF086813.D

Acq: 8 May 2016 10:05

Tgt Ion:	178	Resp:	900193
Ion Ratio	Lower	Upper	
178	100		
176	19.6	16.0	24.0
179	15.6	12.6	18.8





#71

Anthracene

Concen: 9.81 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.05 min

Lab File: BF086813.D

Acq: 8 May 2016 10:05

Instrument :

BNA_F

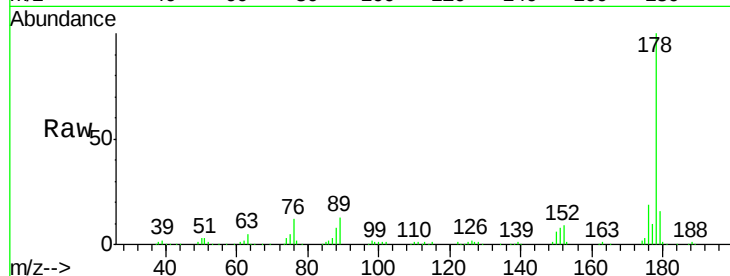
ClientSampleId :

TEC-B4COMPDL

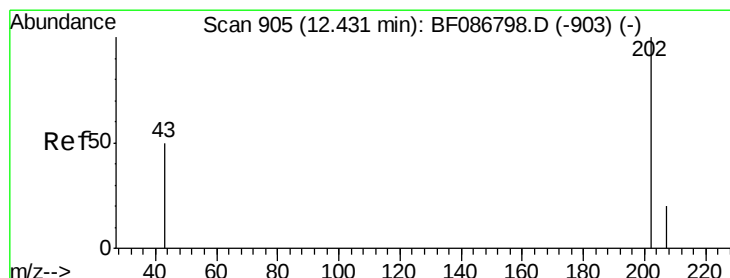
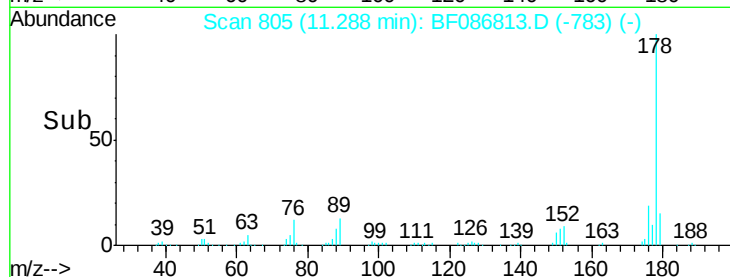
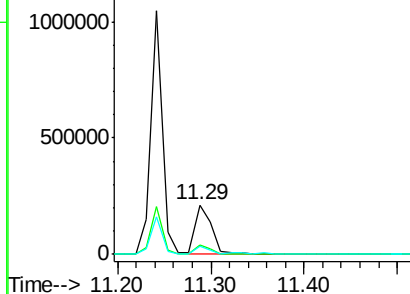
Tgt	Ion	178	Resp:	269511
Ion	Ratio	Lower	Upper	
178	100			
176	18.8	15.6	23.4	
179	15.7	12.7	19.1	

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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: 10.38 ng

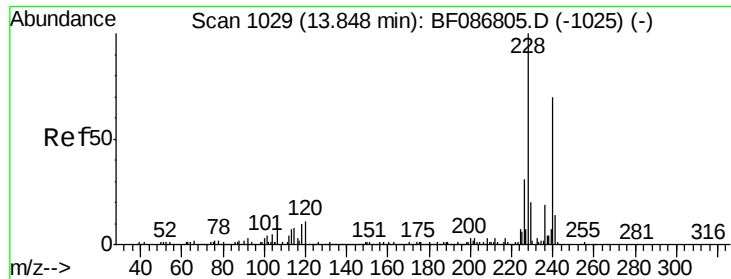
RT: 12.42 min Scan# 904

Delta R.T. -0.05 min

Lab File: BF086813.D

Acq: 8 May 2016 10:05

Tgt	Ion	202	Resp:	272939
Ion	Ratio	Lower	Upper	
202	100			
101	15			



#75

Chrysene-d12

Concen: 40.00 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.03 min

Lab File: BF086813.D

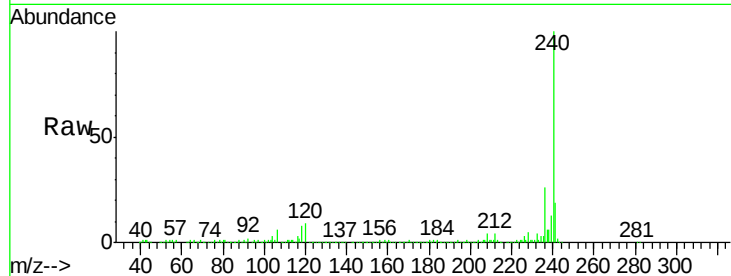
Acq: 8 May 2016 10:05

Instrument :

BNA_F

ClientSampleId :

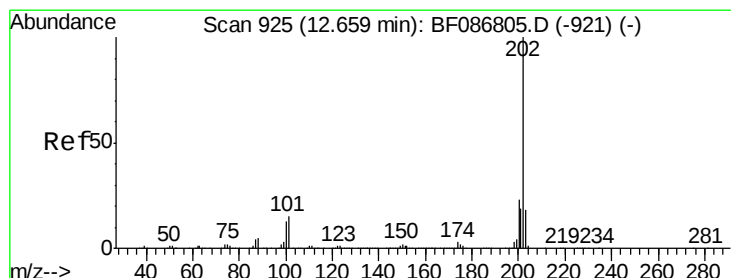
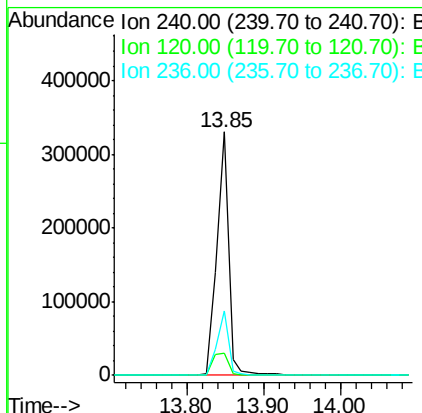
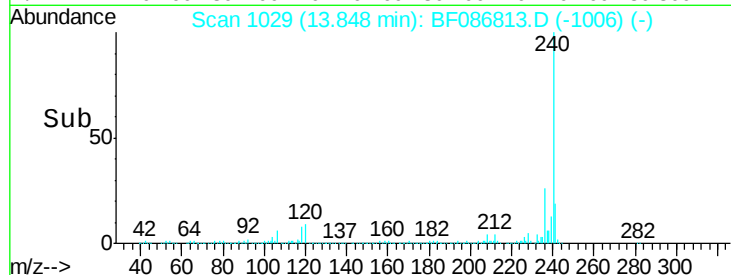
TEC-B4COMPDL



Tgt Ion:	240	Resp:	352889
Ion Ratio	Lower	Upper	
240	100		
120	9.0	11.2	16.8#
236	26.3	21.2	31.8

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#77

Pyrene

Concen: 12.64 ng

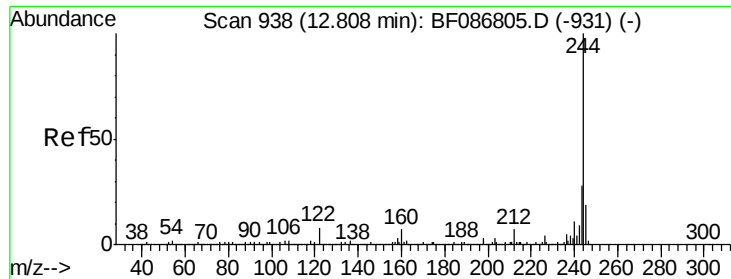
RT: 12.65 min Scan# 924

Delta R.T. -0.05 min

Lab File: BF086813.D

Acq: 8 May 2016 10:05

Tgt Ion:	202	Resp:	355522
Ion Ratio	Lower	Upper	



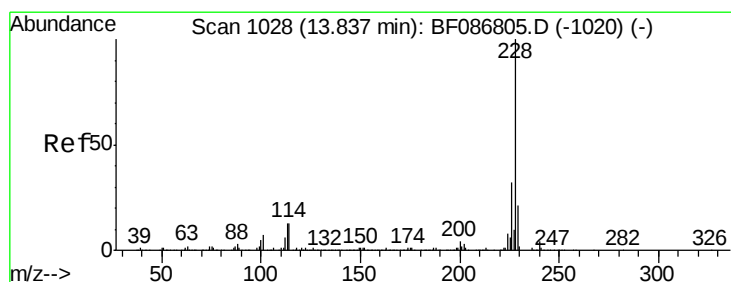
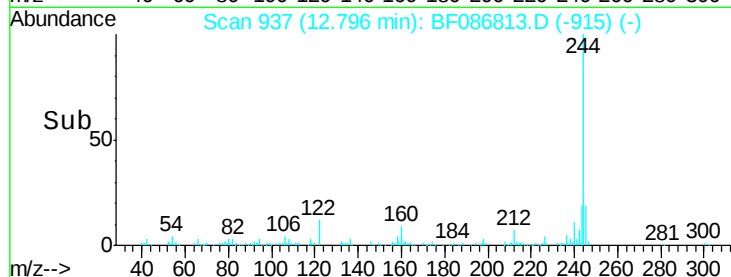
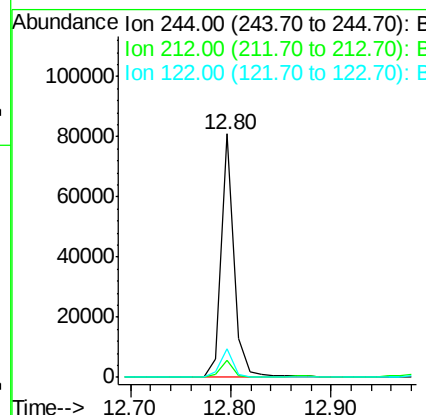
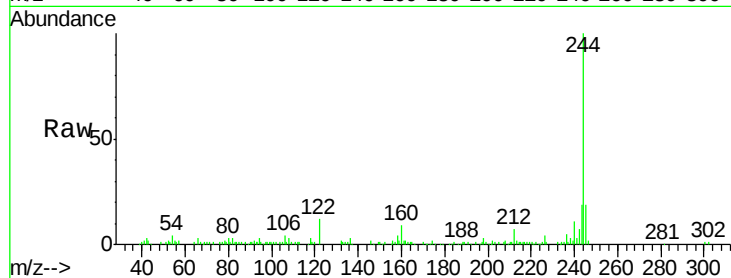
#78
 Terphenyl-d14
 Concen: 4.13 ng
 RT: 12.80 min Scan# 937
 Delta R.T. -0.05 min
 Lab File: BF086813.D
 Acq: 8 May 2016 10:05

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B4COMPDL

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.2	9.2
122	11.7	12.0	18.0#

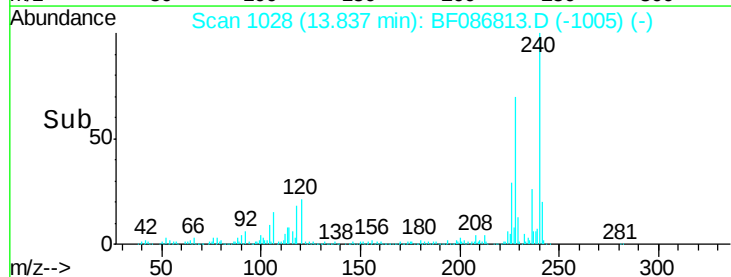
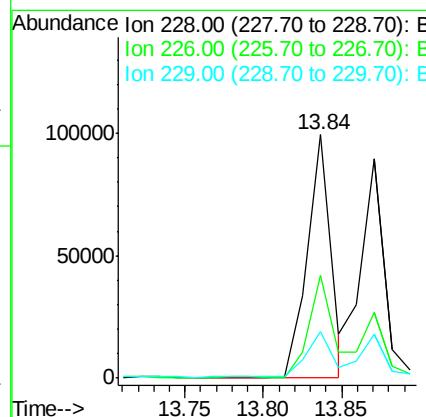
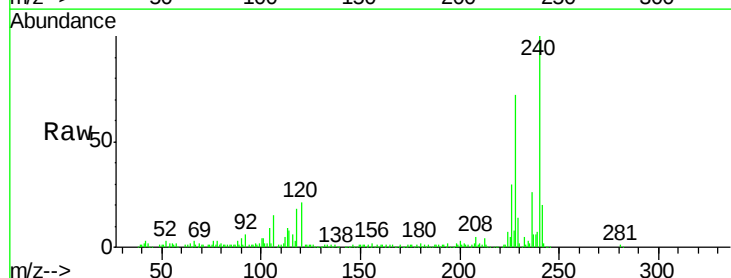
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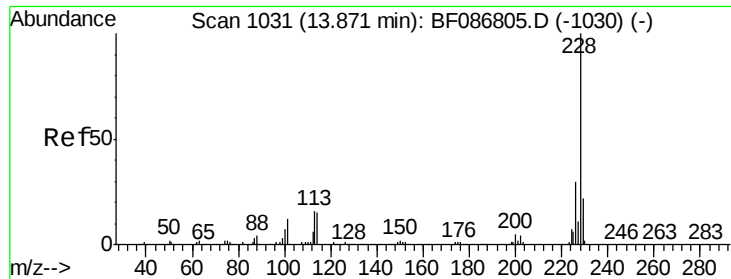
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#80
 Benzo(a)anthracene
 Concen: 5.27 ng m
 RT: 13.84 min Scan# 1028
 Delta R.T. -0.03 min
 Lab File: BF086813.D
 Acq: 8 May 2016 10:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	42.3	22.5	33.7#
229	19.2	16.6	25.0





#82

Chrysene

Concen: 4.49 ng m

RT: 13.87 min Scan# 1031

Delta R.T. -0.05 min

Lab File: BF086813.D

Acq: 8 May 2016 10:05

Instrument :

BNA_F

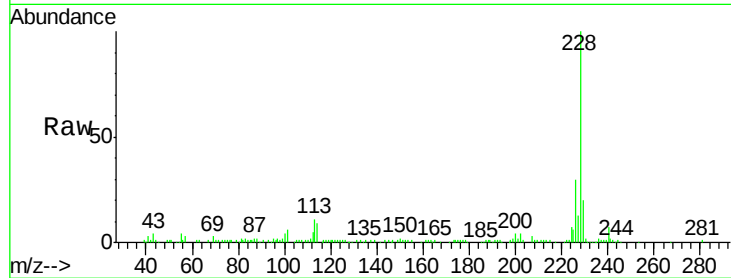
ClientSampleId :

TEC-B4COMPDL

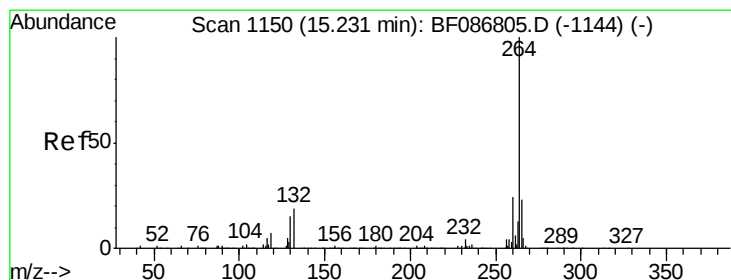
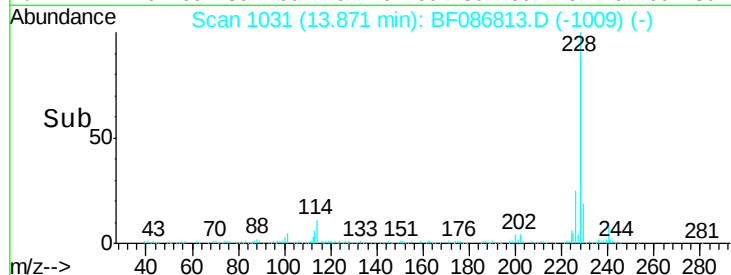
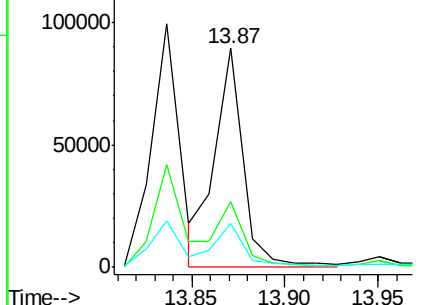
Tgt Ion:	228	Resp:	95679
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.4	36.6
229	20.1	15.8	23.8

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



#86

Perylene-d12

Concen: 40.00 ng

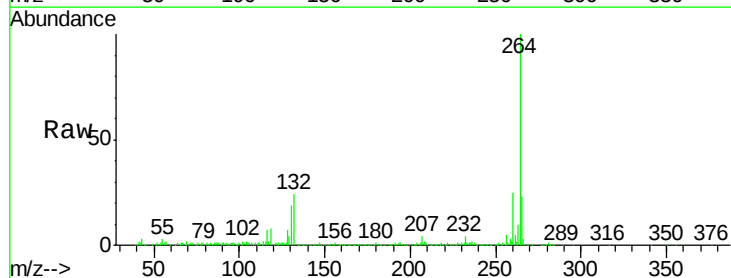
RT: 15.22 min Scan# 1149

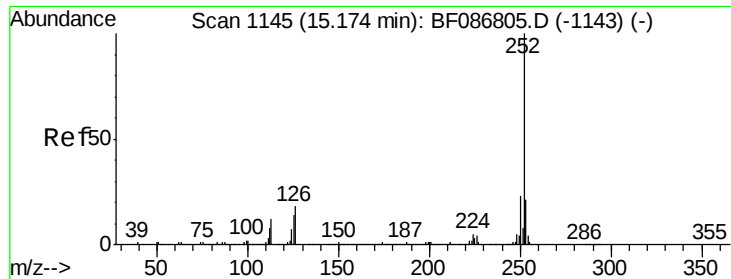
Delta R.T. -0.05 min

Lab File: BF086813.D

Acq: 8 May 2016 10:05

Tgt Ion:	264	Resp:	310917
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.5	29.3
265	22.6	17.3	25.9





#89

Benzo(a)pyrene

Concen: 3.61 ng

RT: 15.17 min Scan# 1145

Delta R.T. -0.05 min

Lab File: BF086813.D

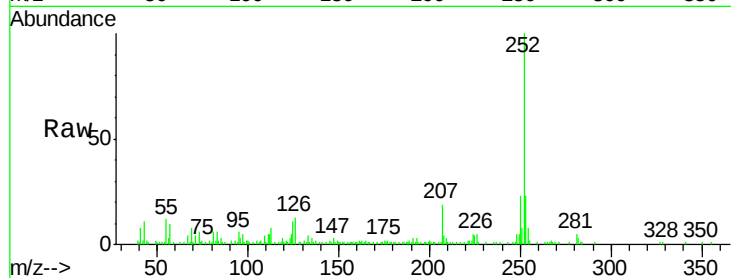
Acq: 8 May 2016 10:05

Instrument :

BNA_F

ClientSampleId :

TEC-B4COMPDL



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	10.7	9.0	13.6

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