

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100215\
 Data File : BF082036.D
 Acq On : 3 Oct 2015 22:25
 Operator : UM/IZ
 Sample : G3846-16
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 016-TB-13(4-8)

Manual Integrations
 APPROVED

MMDADODA
 10/5/2015 6:27:20 PM

Quant Time: Oct 05 17:46:46 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 18:10:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	65521	20.00	ng	-0.03
21) Naphthalene-d8	8.22	136	141173	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	28564	20.00	ng	0.02
63) Phenanthrene-d10	11.58	188	100914m	20.00	ng	0.11
75) Chrysene-d12	14.20	240	215959	20.00	ng	0.08
86) Perylene-d12	15.60	264	204001	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	532387	147.50	ng	-0.04
7) Phenol-d6	6.51	99	638968	140.69	ng	-0.05
23) Nitrobenzene-d5	7.47	82	281585	132.96	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	35888	124.06	ng	0.03
44) 2-Fluorobiphenyl	9.33	172	412192m	-20.00	ng	0.02
78) Terphenyl-d14	13.18	244	542253	79.71	ng	0.13
Target Compounds						
31) Naphthalene	8.31	128	3088141m	493.67	ng	Qvalue # 91
37) 2-Methylnaphthalene	9.04	142	7676393m	1797.77	ng	
45) 1,1'-Biphenyl	9.42	154	565199	256.48	ng	
70) Phenanthrene	11.50	178	487864	102.59	ng	
71) Anthracene	11.61	178	2555828m	498.29	ng	

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

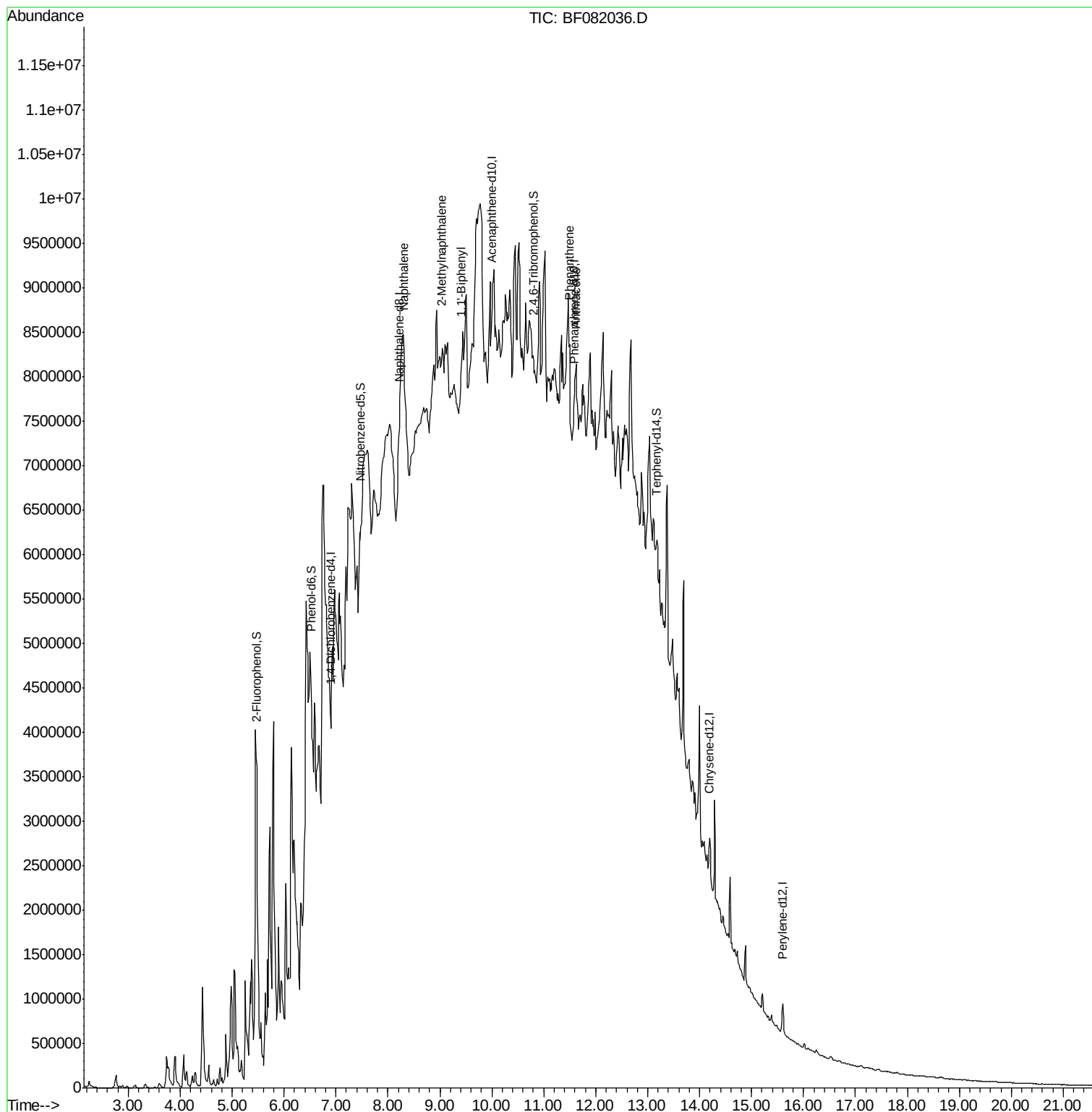
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100215\
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Misc :
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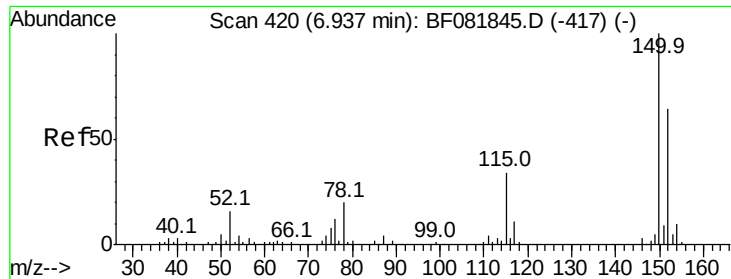
Instrument :
BNA_F
ClientSampleId :
016-TB-13(4-8)

Manual Integrations
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Quant Time: Oct 05 17:46:46 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
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QLast Update : Mon Sep 28 18:10:42 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 417

Delta R.T. -0.03 min

Lab File: BF082036.D

Acq: 3 Oct 2015 22:25

Instrument :

BNA_F

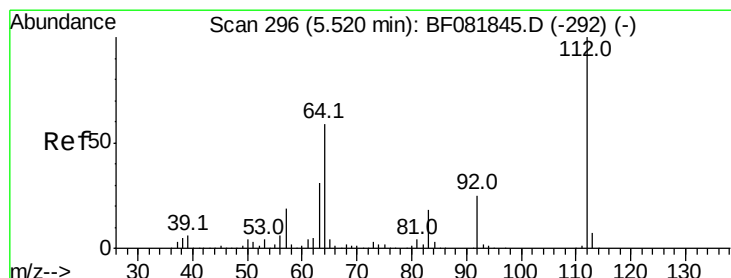
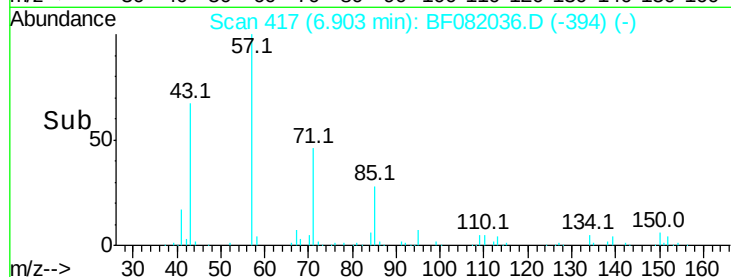
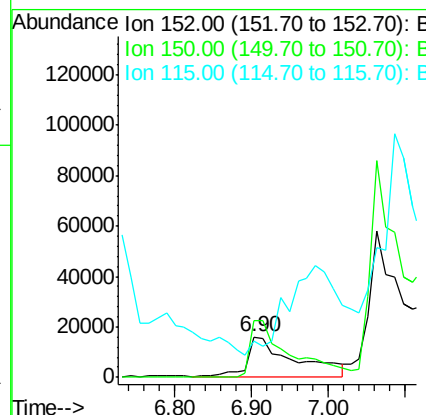
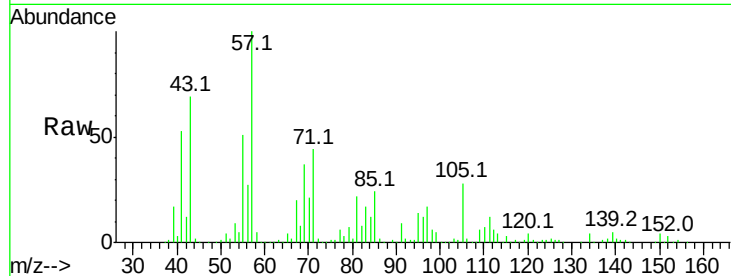
ClientSampleId :

016-TB-13(4-8)

Tot Ion	Ratio	Lower	Upper
152	100		
150	141.6	124.7	187.1
115	89.4	39.0	58.4

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#5

2-Fluorophenol

Concen: 147.50 ng

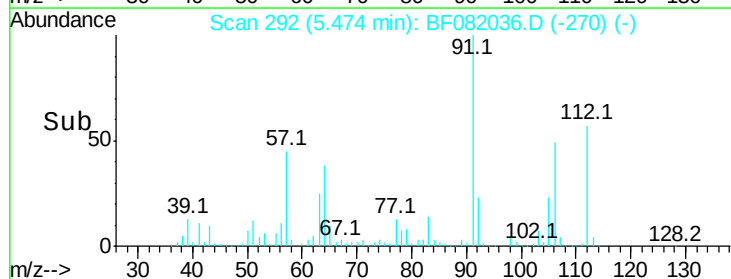
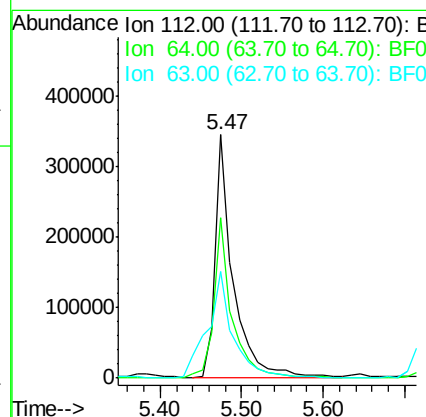
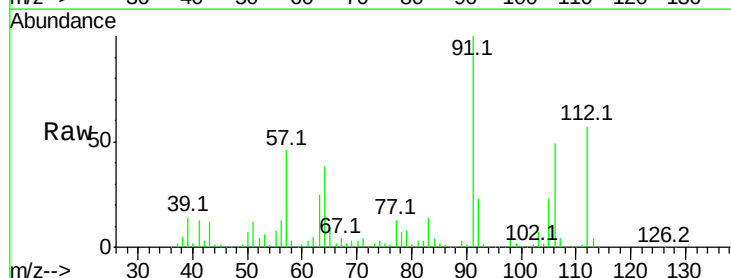
RT: 5.47 min Scan# 292

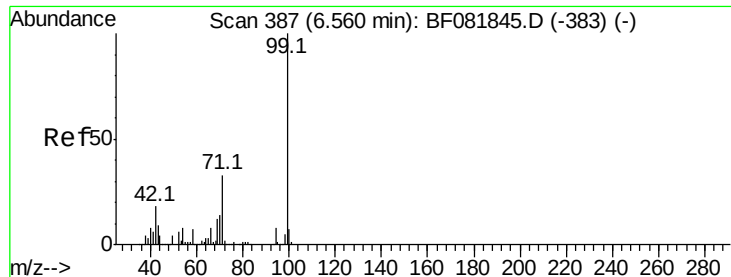
Delta R.T. -0.04 min

Lab File: BF082036.D

Acq: 3 Oct 2015 22:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	39.7	59.5
63	43.9	17.4	26.0





#7

Phenol-d6

Concen: 140.69 ng

RT: 6.51 min Scan# 383

Delta R.T. -0.05 min

Lab File: BF082036.D

Acq: 3 Oct 2015 22:25

Instrument :

BNA_F

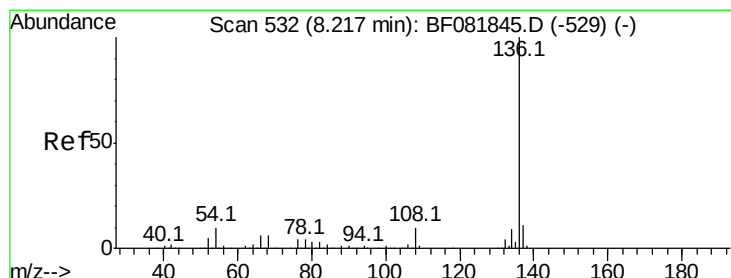
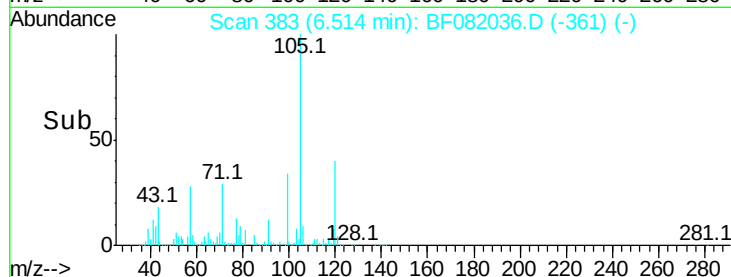
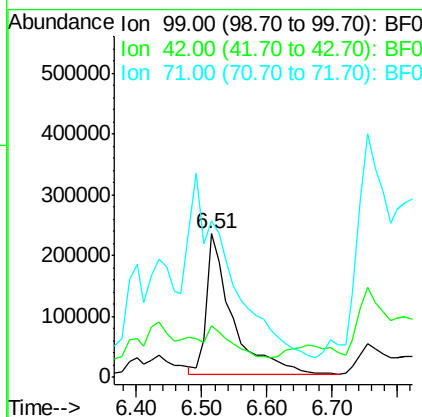
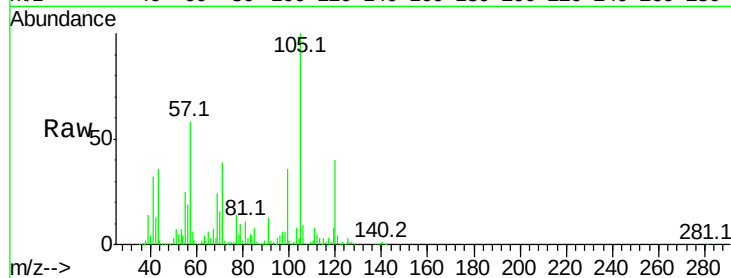
ClientSampleId :

016-TB-13(4-8)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		638968		
42	35.8	13.7	20.5#		
71	109.3	14.2	21.2#		

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#21

Naphthalene-d8

Concen: 20.00 ng

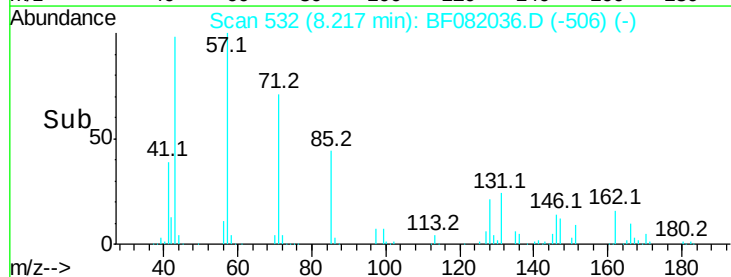
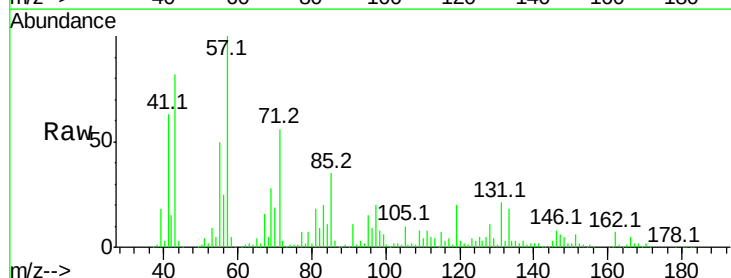
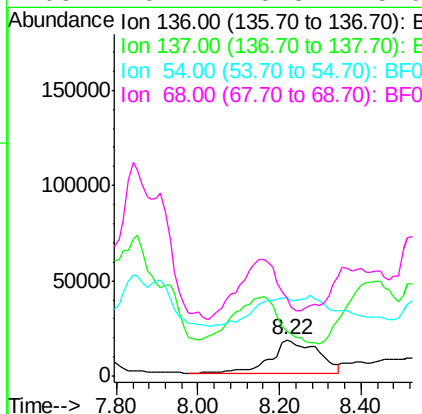
RT: 8.22 min Scan# 532

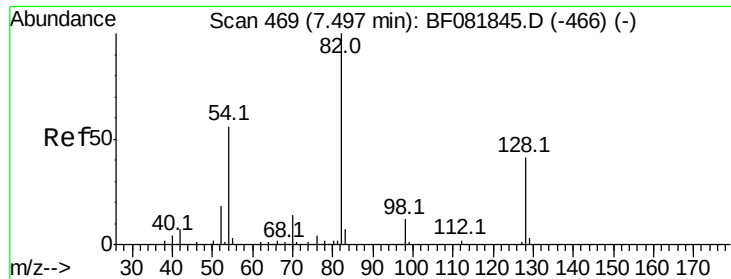
Delta R.T. 0.00 min

Lab File: BF082036.D

Acq: 3 Oct 2015 22:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		141173		
137	125.8	9.0	13.6#		
54	218.7	8.2	12.2#		
68	216.1	5.8	8.6#		





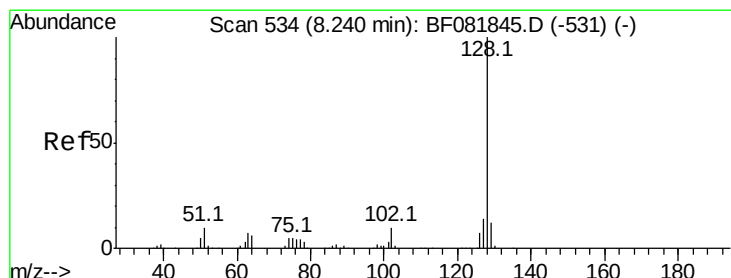
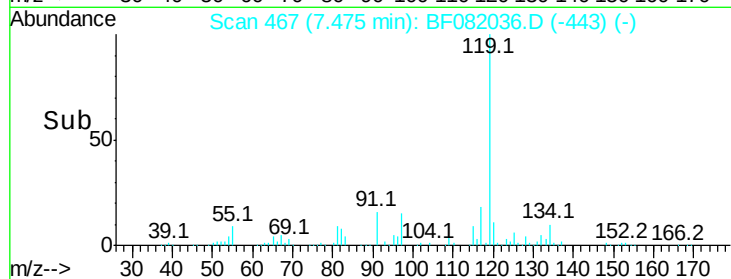
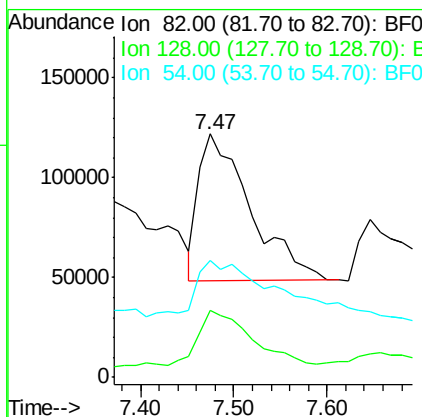
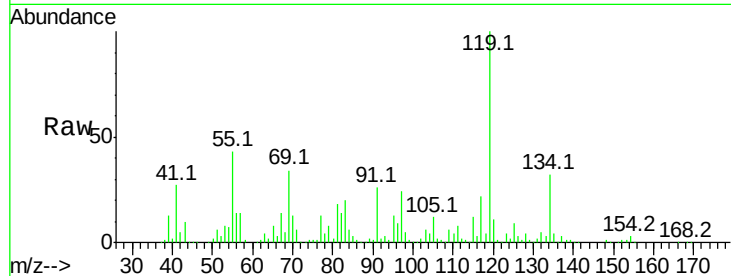
#23
 Nitrobenzene-d5
 Concen: 132.96 ng
 RT: 7.47 min Scan# 467
 Delta R.T. -0.02 min
 Lab File: BF082036.D
 Acq: 3 Oct 2015 22:25

Instrument :
 BNA_F
 ClientSampleId :
 016-TB-13(4-8)

Tot Ion	82	Resp	281585
Ion Ratio	100	Lower	Upper
128	27.6	51.0	76.6#
54	48.2	47.5	71.3

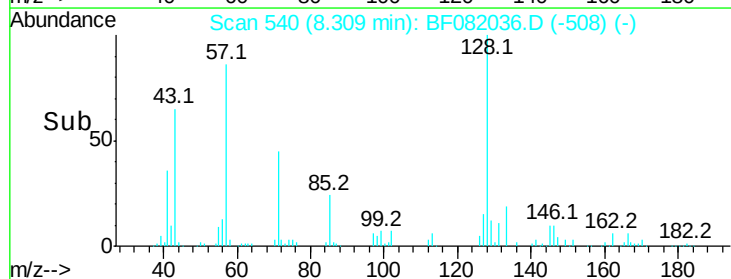
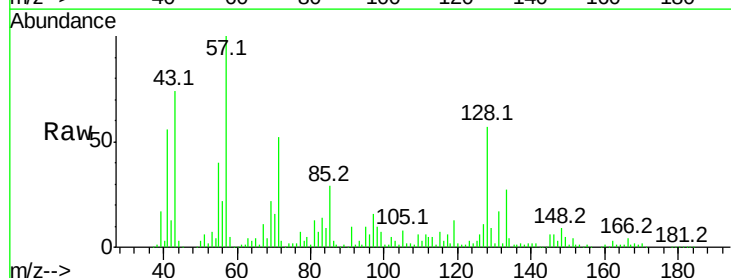
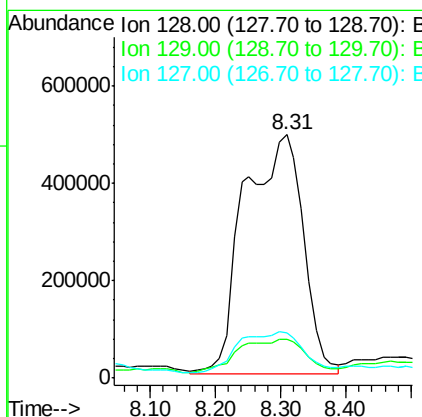
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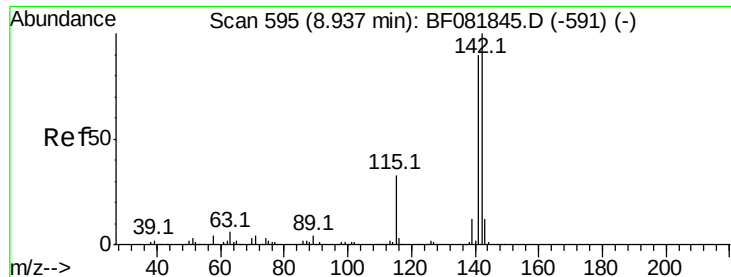
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#31
 Naphthalene
 Concen: 493.67 ng m
 RT: 8.31 min Scan# 540
 Delta R.T. 0.07 min
 Lab File: BF082036.D
 Acq: 3 Oct 2015 22:25

Tgt Ion	128	Resp	3088141
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
129	16.0	8.4	12.6#
127	18.7	9.9	14.9#





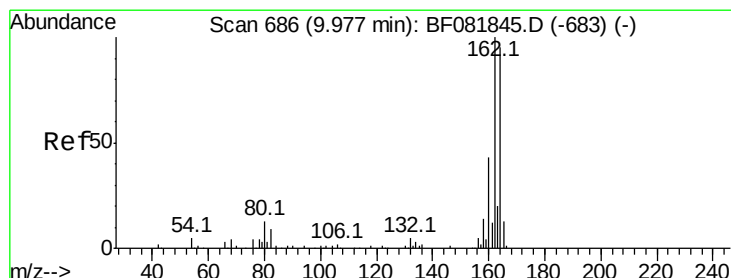
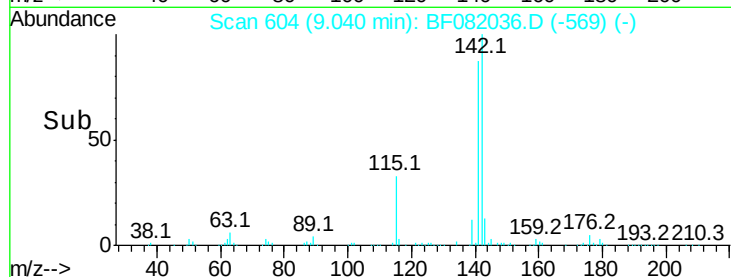
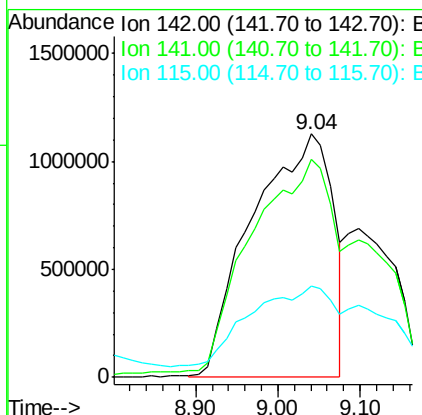
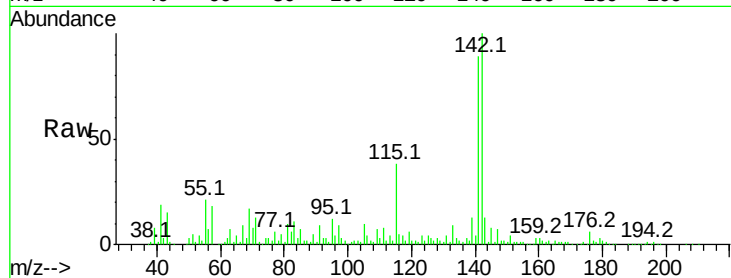
#37
2-Methylnaphthalene
Concen: 1797.77 ng/mL
RT: 9.04 min Scan# 604
Delta R.T. 0.10 min
Lab File: BF082036.D
Acq: 3 Oct 2015 22:25

Instrument :
BNA_F
ClientSampleId :
016-TB-13(4-8)

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	67.5	101.3
115	37.6	18.2	27.2

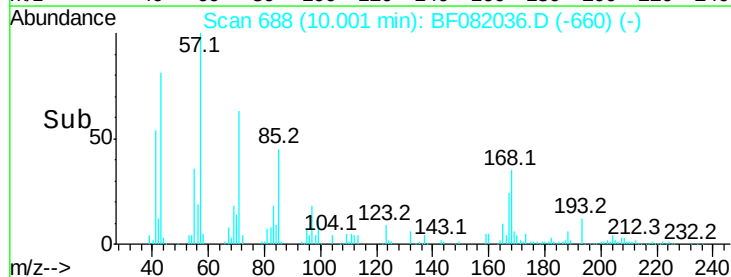
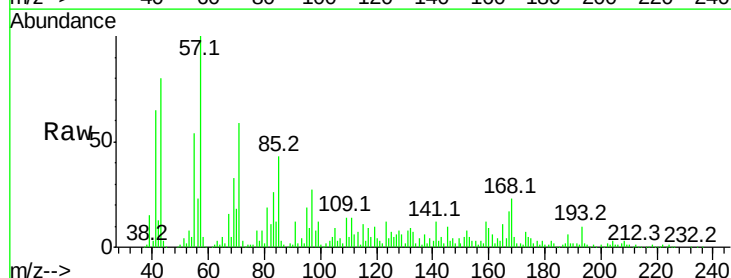
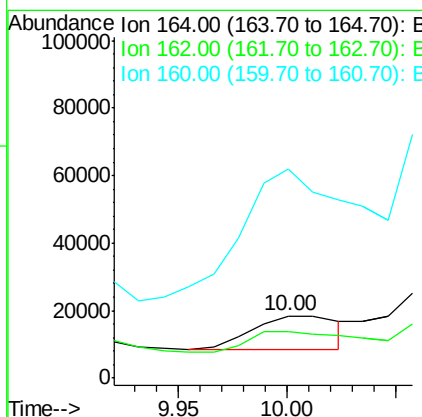
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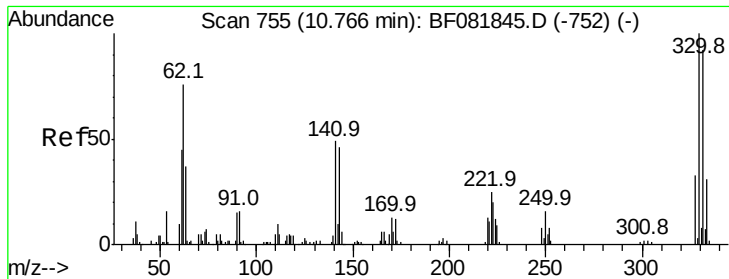
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#38
Acenaphthene-d10
Concen: 20.00 ng/mL
RT: 10.00 min Scan# 688
Delta R.T. 0.02 min
Lab File: BF082036.D
Acq: 3 Oct 2015 22:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	74.2	75.2	112.8
160	335.6	31.5	47.3





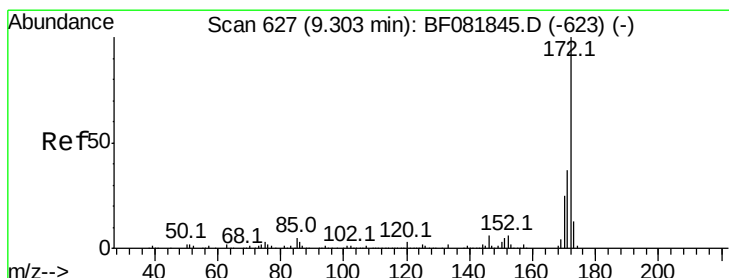
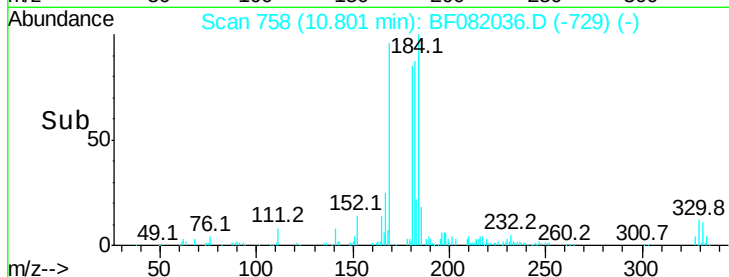
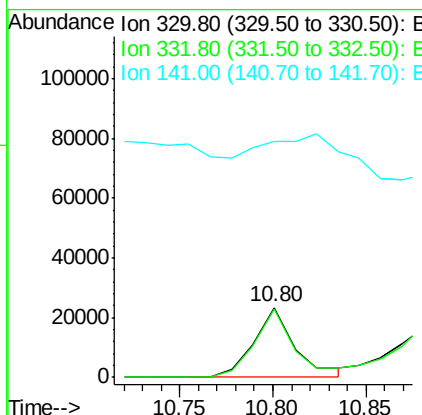
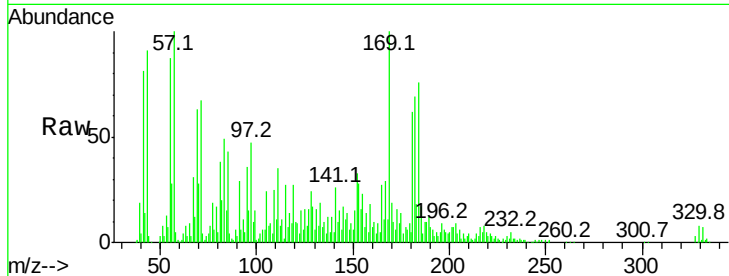
#41
 2,4,6-Tribromophenol
 Concen: 124.06 ng
 RT: 10.80 min Scan# 758
 Delta R.T. 0.03 min
 Lab File: BF082036.D
 Acq: 3 Oct 2015 22:25

Instrument :
 BNA_F
 ClientSampled :
 016-TB-13(4-8)

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.2	76.6	114.8	
141	0.0	29.7	44.5	

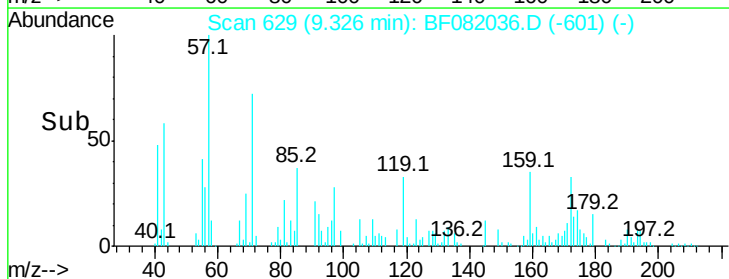
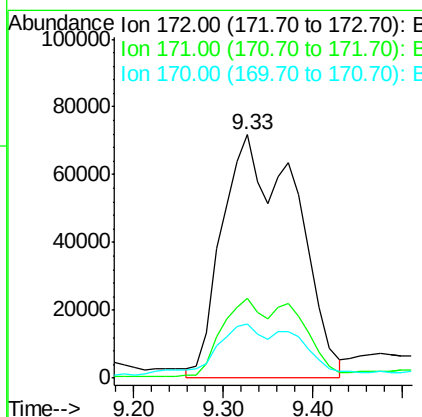
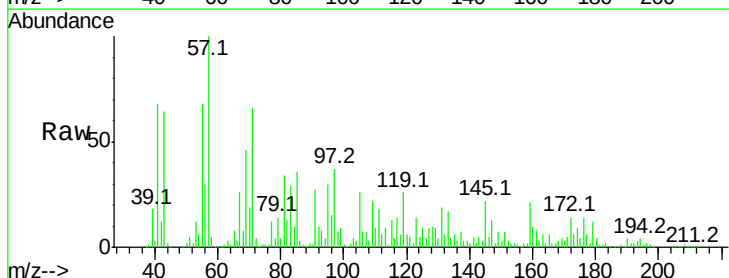
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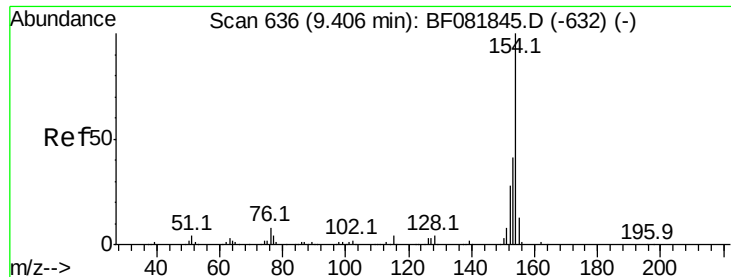
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#44
 2-Fluorobiphenyl
 Concen: -20.00 ng m
 RT: 9.33 min Scan# 629
 Delta R.T. 0.02 min
 Lab File: BF082036.D
 Acq: 3 Oct 2015 22:25

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	32.9	26.1	39.1	
170	22.5	17.4	26.2	





#45

1,1'-Biphenyl

Concen: 256.48 ng

RT: 9.42 min Scan# 637

Delta R.T. 0.01 min

Lab File: BF082036.D

Acq: 3 Oct 2015 22:25

Instrument :

BNA_F

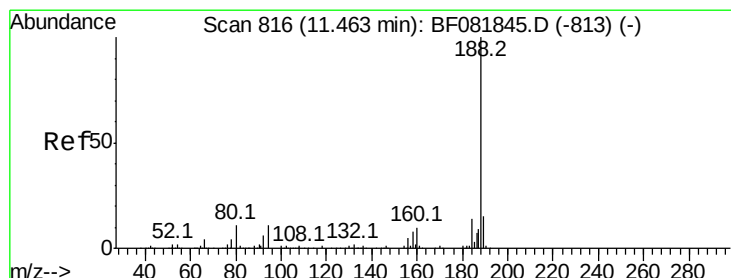
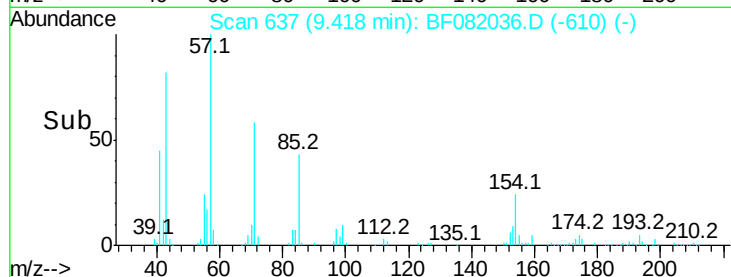
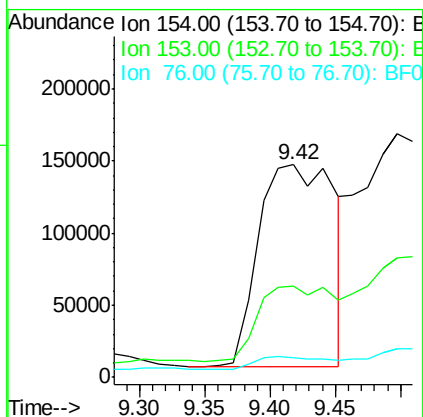
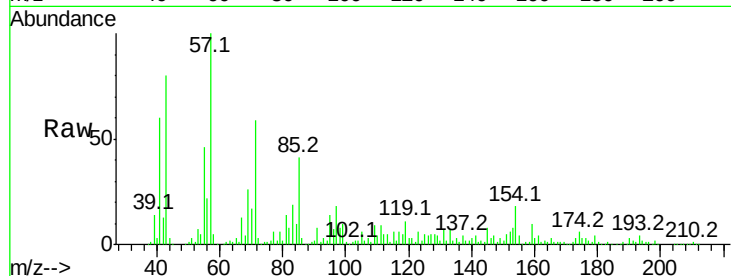
ClientSampleId :

016-TB-13(4-8)

Tot Ion:	154	Resp:	565199
Ion Ratio	Lower	Upper	
154	100		
153	42.8	17.1	57.1
76	9.1	0.0	31.6

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng m

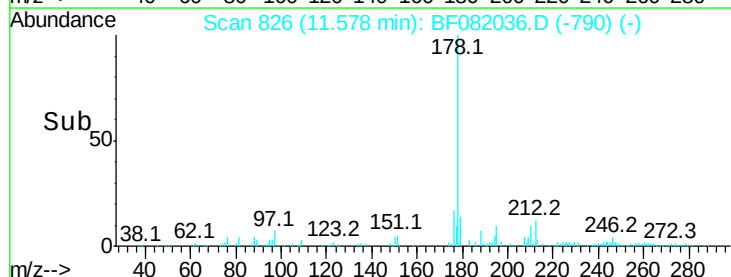
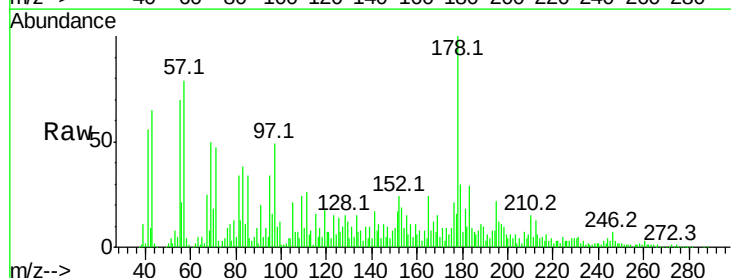
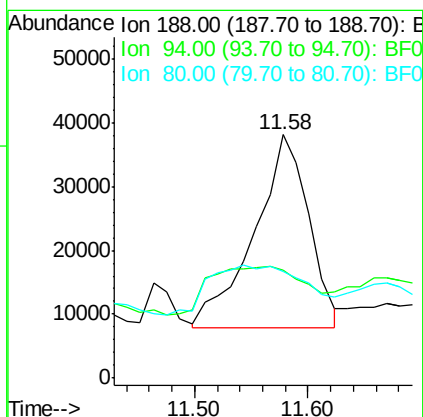
RT: 11.58 min Scan# 826

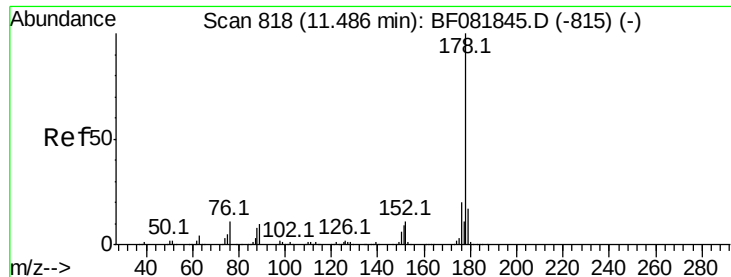
Delta R.T. 0.11 min

Lab File: BF082036.D

Acq: 3 Oct 2015 22:25

Tgt Ion:	188	Resp:	100914
Ion Ratio	Lower	Upper	
188	100		
94	44.1	11.1	16.7#
80	43.6	11.0	16.4#





#70

Phenanthrene

Concen: 102.59 ng

RT: 11.50 min Scan# 819

Delta R.T. 0.01 min

Lab File: BF082036.D

Acq: 3 Oct 2015 22:25

Instrument :

BNA_F

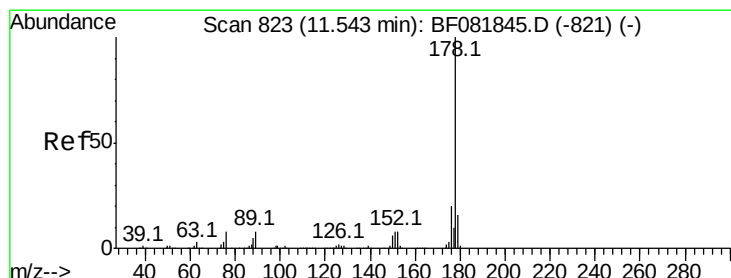
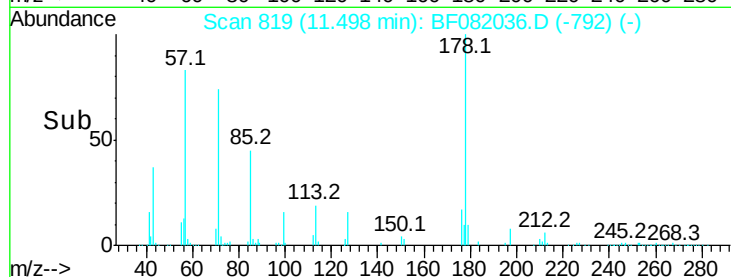
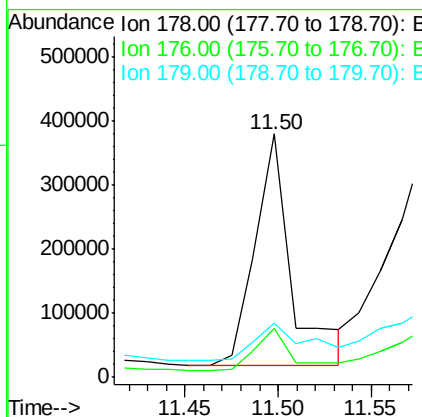
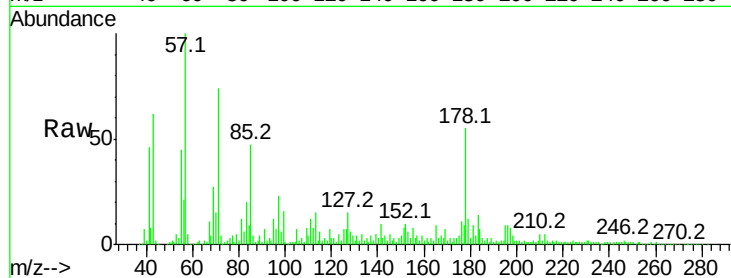
ClientSampleId :

016-TB-13(4-8)

Tot Ion:	178	Resp:	487864
Ion Ratio	Lower	Upper	
178	100		
176	20.1	13.8	20.8
179	22.0	12.2	18.2#

Manual Integrations
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#71

Anthracene

Concen: 498.29 ng m

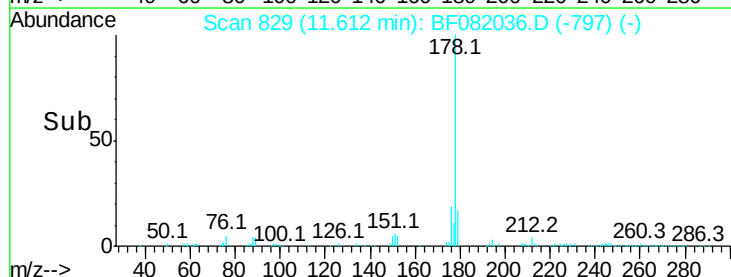
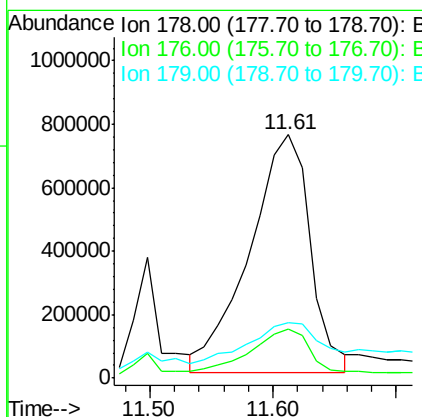
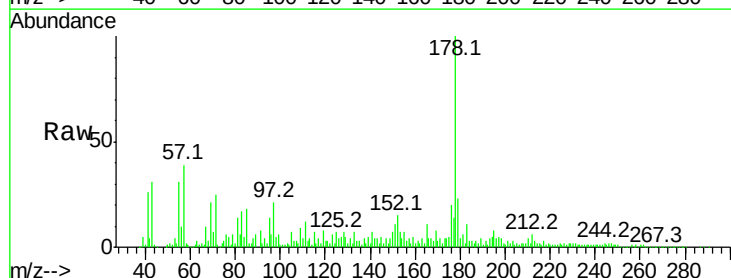
RT: 11.61 min Scan# 829

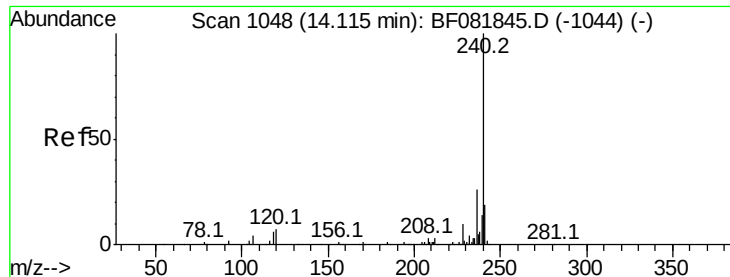
Delta R.T. 0.07 min

Lab File: BF082036.D

Acq: 3 Oct 2015 22:25

Tgt Ion:	178	Resp:	2555828
Ion Ratio	Lower	Upper	
178	100		
176	20.3	14.1	21.1
179	22.5	12.2	18.2#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.20 min Scan# 1055

Delta R.T. 0.08 min

Lab File: BF082036.D

Acq: 3 Oct 2015 22:25

Instrument :

BNA_F

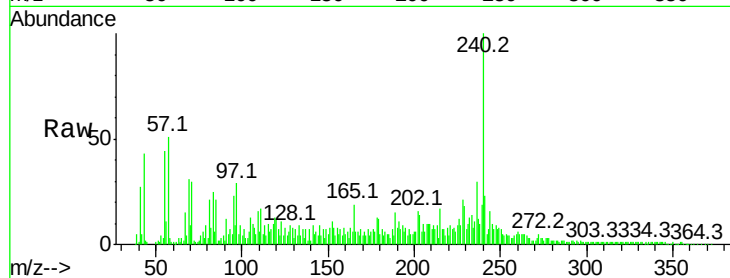
ClientSampleId :

016-TB-13(4-8)

Tot Ion:	240	Resp:	215959
Ion Ratio	Lower	Upper	
240	100		
120	12.2	16.2	24.2#
236	29.8	18.4	27.6#

Manual Integrations
APPROVED

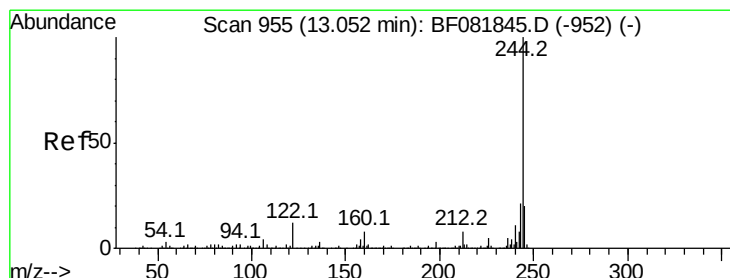
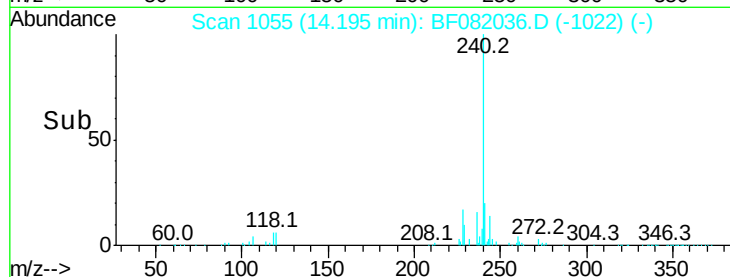
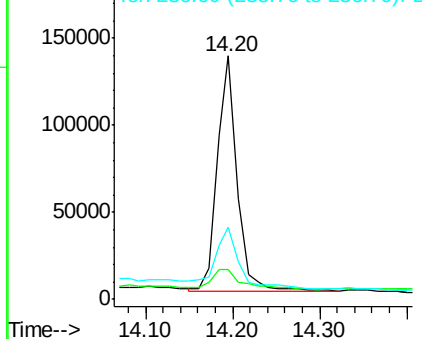
MMDADODA
10/5/2015 6:27:20 PM



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



#78

Terphenyl-d14

Concen: 79.71 ng

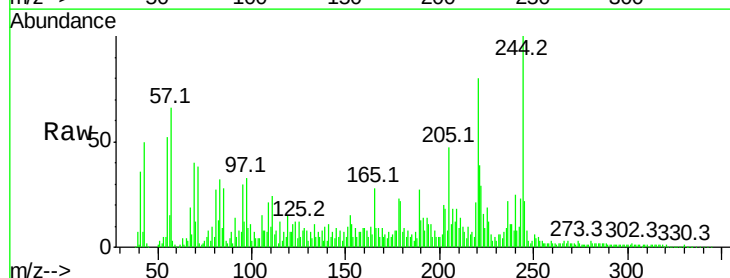
RT: 13.18 min Scan# 966

Delta R.T. 0.13 min

Lab File: BF082036.D

Acq: 3 Oct 2015 22:25

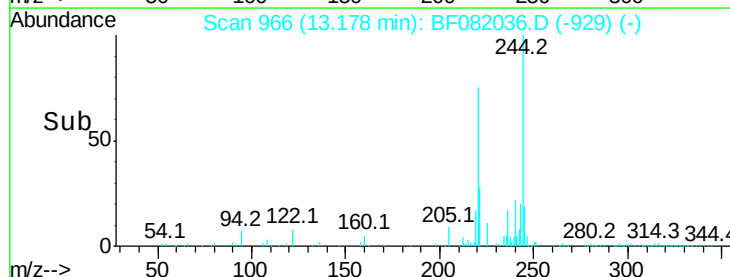
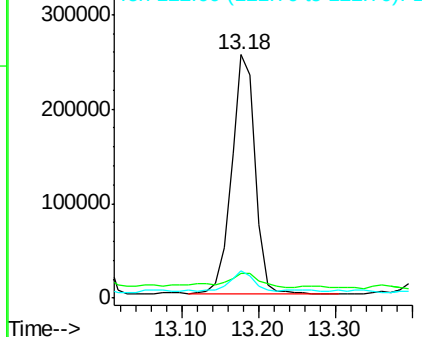
Tgt Ion:	244	Resp:	542253
Ion Ratio	Lower	Upper	
244	100		
212	10.4	4.3	6.5#
122	11.3	17.4	26.2#

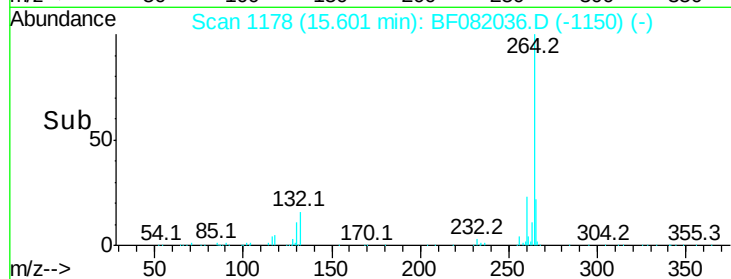
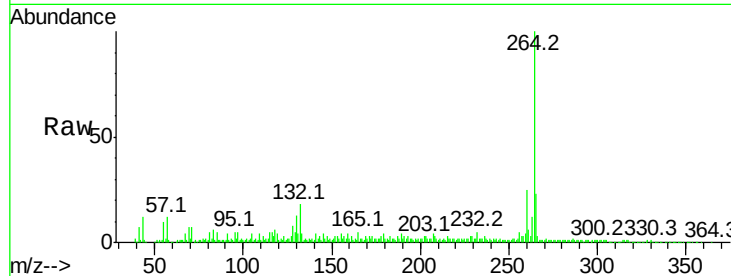
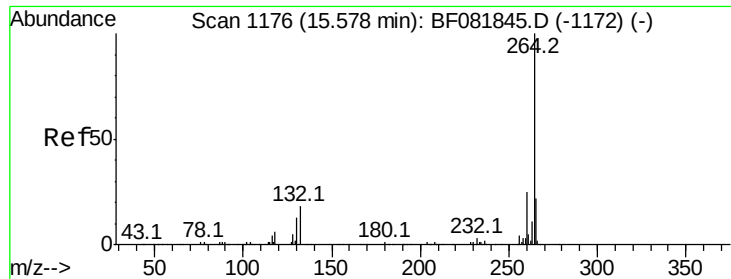


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.60 min Scan# 1178
Delta R.T. 0.02 min
Lab File: BF082036.D
Acq: 3 Oct 2015 22:25

Instrument :
BNA_F
ClientSampleId :
016-TB-13(4-8)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	16.7	25.1
265	22.8	17.2	25.8

Manual Integrations
APPROVED

MMDADODA
10/5/2015 6:27:20 PM

