

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040816\
 Data File : BF086189.D
 Acq On : 9 Apr 2016 1:05
 Operator : UM/SJ
 Sample : H2334-03
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-3-04062016

Manual Integrations
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 4/11/2016 5:45:24 PM

Quant Time: Apr 11 16:09:41 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	85947	20.00	ng	-0.02
21) Naphthalene-d8	8.05	136	114317	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	83327	20.00	ng	0.01
63) Phenanthrene-d10	11.30	188	147702	20.00	ng	0.00
75) Chrysene-d12	13.89	240	203532	20.00	ng	-0.03
86) Perylene-d12	15.28	264	202452	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	275315	54.75	ng	-0.05
7) Phenol-d6	6.38	99	173157	27.11	ng	-0.03
23) Nitrobenzene-d5	7.31	82	359880	185.65	ng	-0.03
41) 2,4,6-Tribromophenol	10.61	330	82701	105.74	ng	0.01
44) 2-Fluorobiphenyl	9.14	172	493359	98.44	ng	0.00
78) Terphenyl-d14	12.84	244	517700	59.79	ng	-0.03
Target Compounds						
31) Naphthalene	8.10	128	696559m	121.14	ng	Qvalue
37) 2-Methylnaphthalene	8.80	142	917428	244.23	ng	# 94
45) 1,1'-Biphenyl	9.24	154	147912	20.59	ng	93
70) Phenanthrene	11.32	178	117501	14.58	ng	# 66
77) Pyrene	12.71	202	121399	8.46	ng	# 93

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

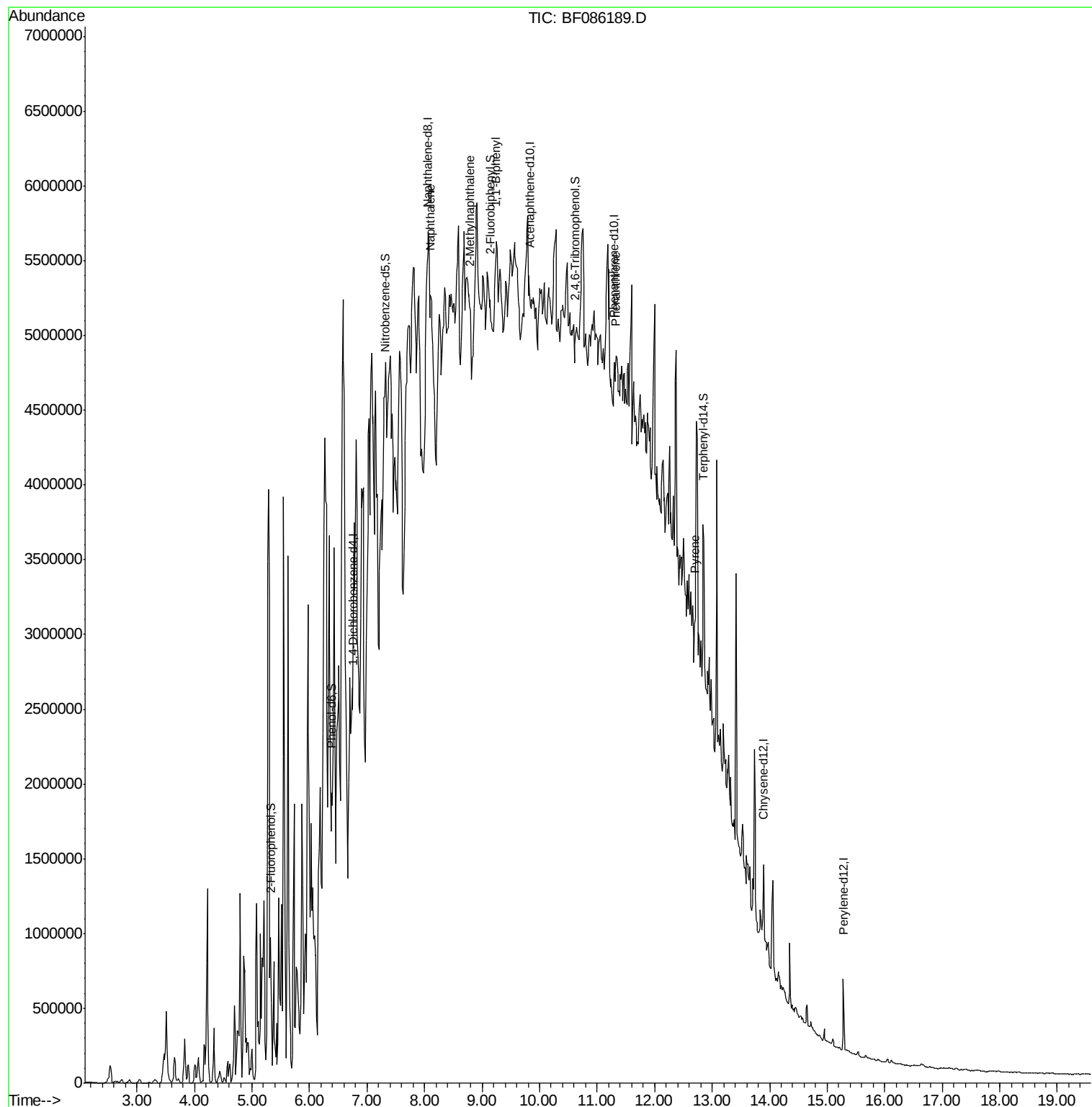
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040816\
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ALS Vial : 28 Sample Multiplier: 1

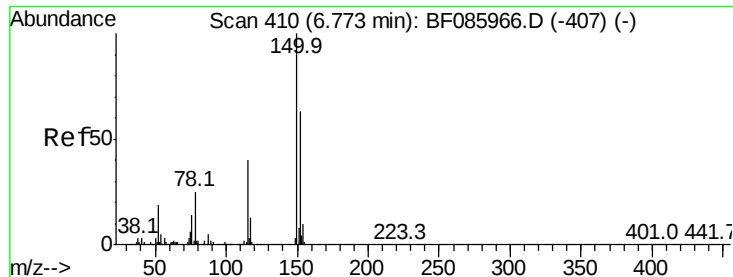
Instrument :
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TW-3-04062016

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.02 min

Lab File: BF086189.D

Acq: 9 Apr 2016 1:05

Instrument :

BNA_F

ClientSampleId :

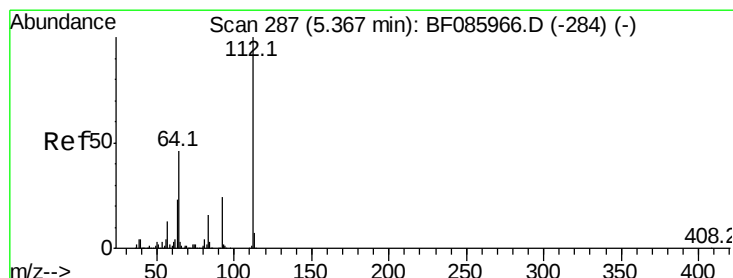
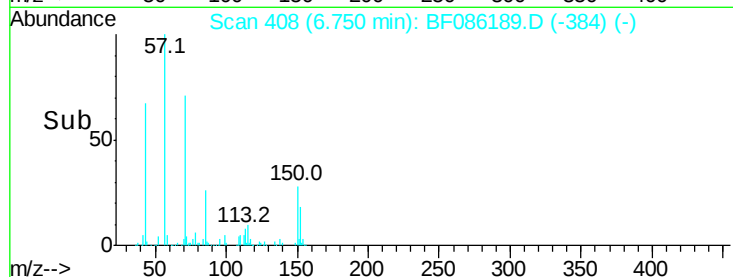
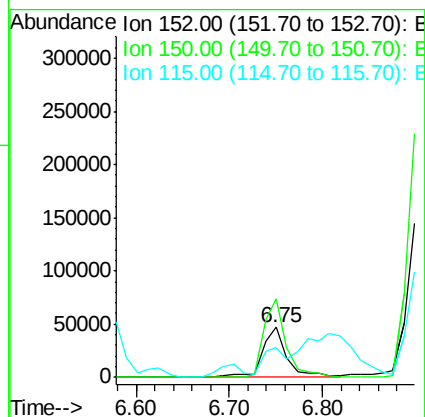
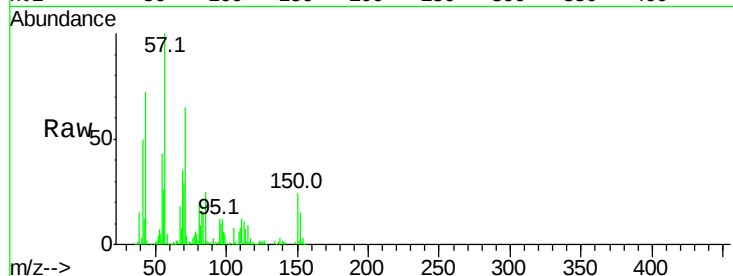
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Tot Ion:	152	Resp:	85947
Ion Ratio	Lower	Upper	
152	100		
150	156.3	124.2	186.2
115	60.9	47.0	70.6



#5

2-Fluorophenol

Concen: 54.75 ng

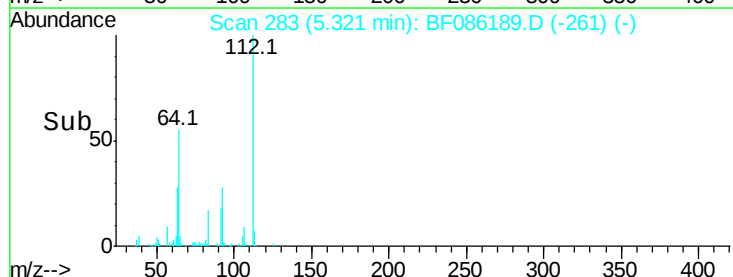
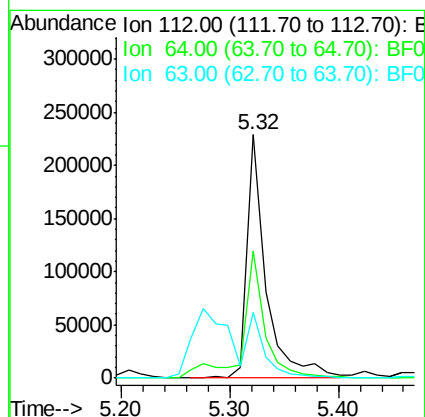
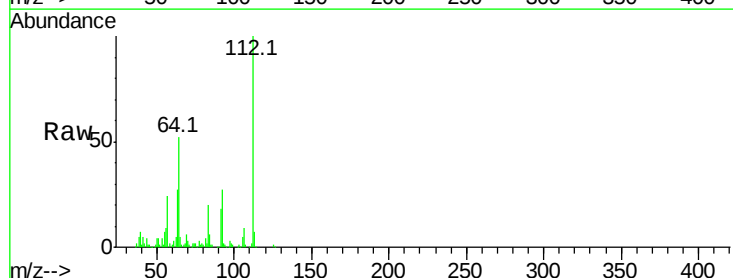
RT: 5.32 min Scan# 283

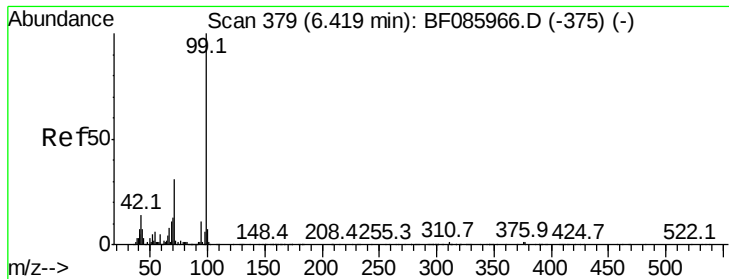
Delta R.T. -0.05 min

Lab File: BF086189.D

Acq: 9 Apr 2016 1:05

Tgt Ion:	112	Resp:	275315
Ion Ratio	Lower	Upper	
112	100		
64	52.3	39.9	59.9
63	27.1	20.2	30.2





#7

Phenol-d6

Concen: 27.11 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.03 min

Lab File: BF086189.D

Acq: 9 Apr 2016 1:05

Instrument :

BNA_F

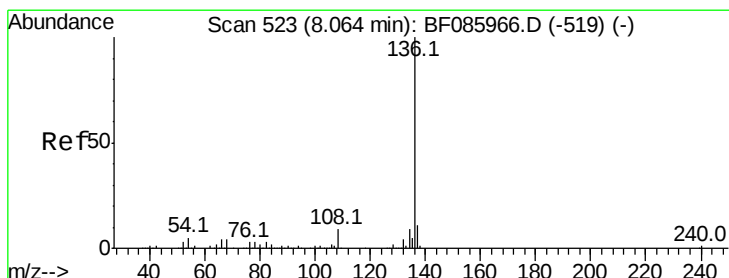
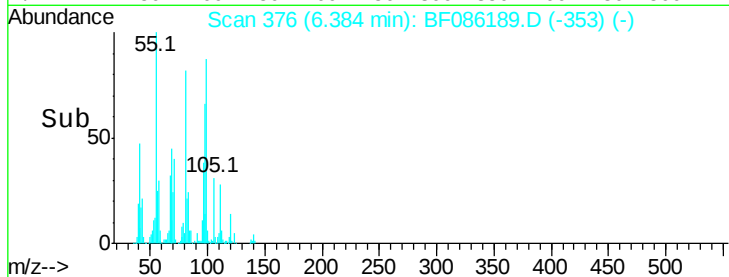
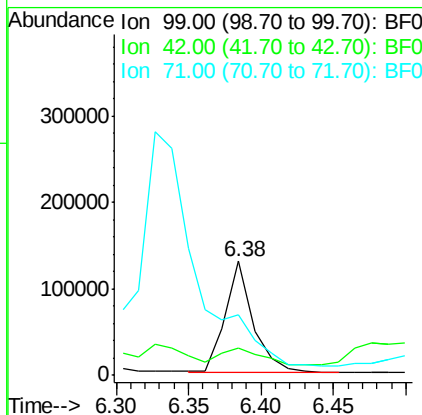
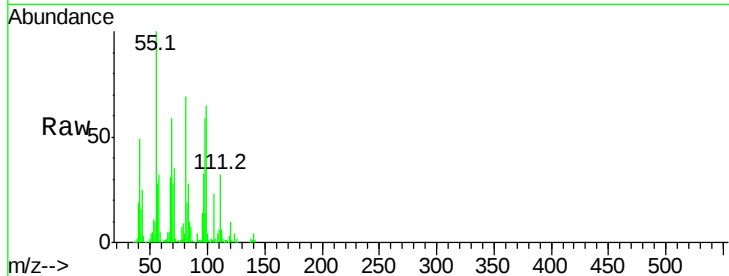
ClientSampleId :

TW-3-04062016

Tot Ion:	99	Resp:	173157
Ion Ratio	Lower	Upper	
99	100		
42	24.2	11.1	16.7#
71	52.8	24.9	37.3#

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#21

Naphthalene-d8

Concen: 20.00 ng

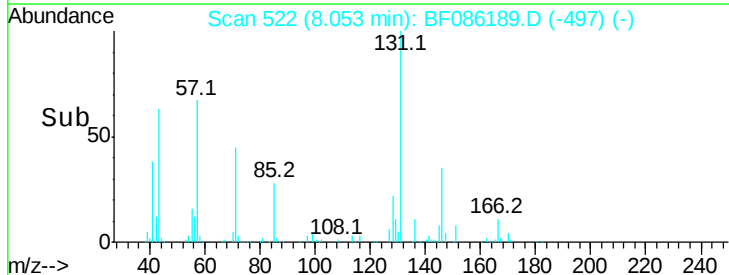
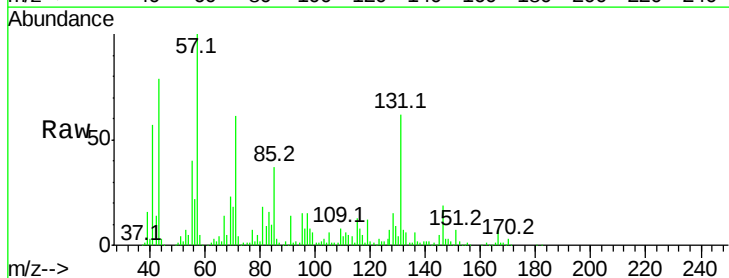
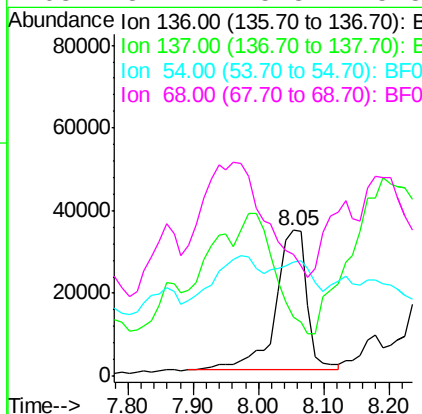
RT: 8.05 min Scan# 522

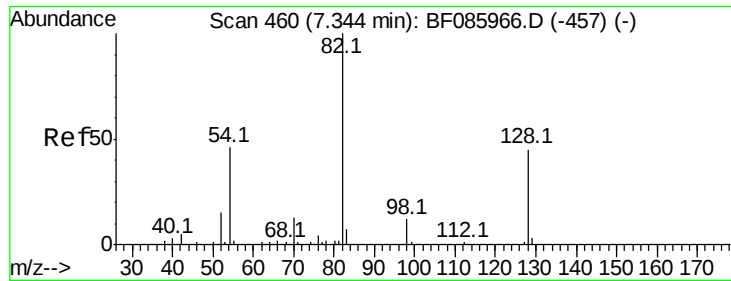
Delta R.T. -0.01 min

Lab File: BF086189.D

Acq: 9 Apr 2016 1:05

Tgt Ion:	136	Resp:	114317
Ion Ratio	Lower	Upper	
136	100		
137	40.9	9.1	13.7#
54	78.0	7.4	11.0#
68	84.1	5.8	8.8#





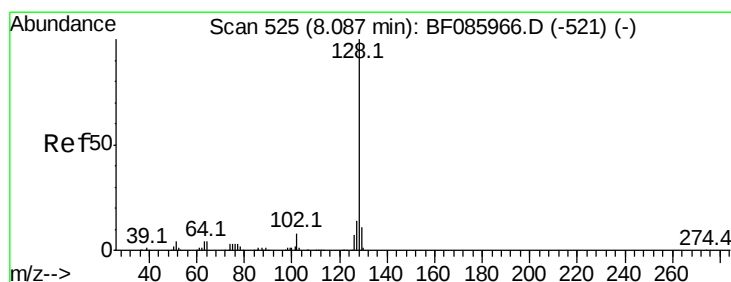
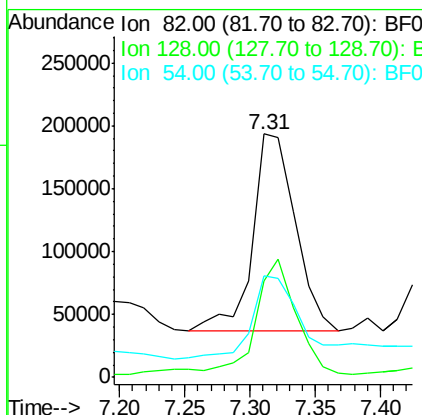
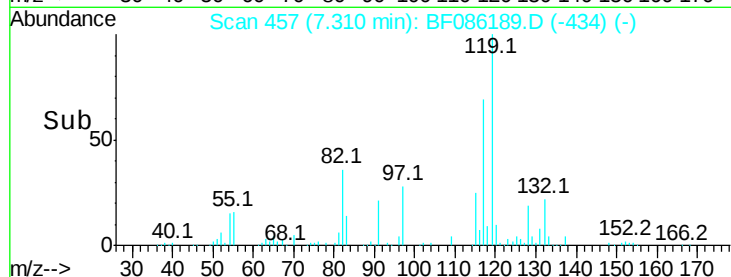
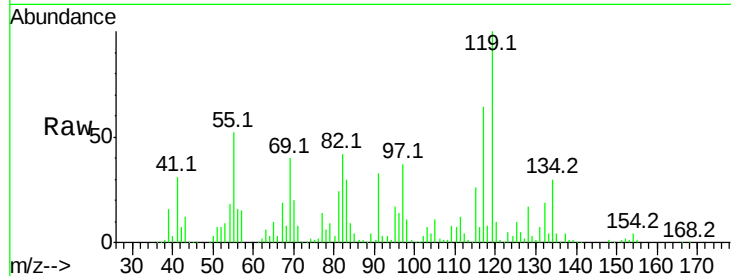
#23
 Nitrobenzene-d5
 Concen: 185.65 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.03 min
 Lab File: BF086189.D
 Acq: 9 Apr 2016 1:05

Instrument :
 BNA_F
 ClientSampleId :
 TW-3-04062016

Tot Ion:	82	Resp:	359880
Ion Ratio	Lower	Upper	
82	100		
128	39.7	41.8	62.8#
54	41.9	33.4	50.0

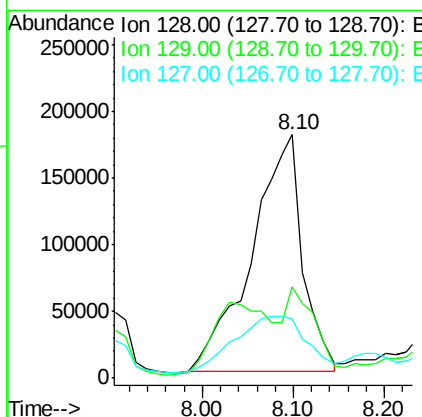
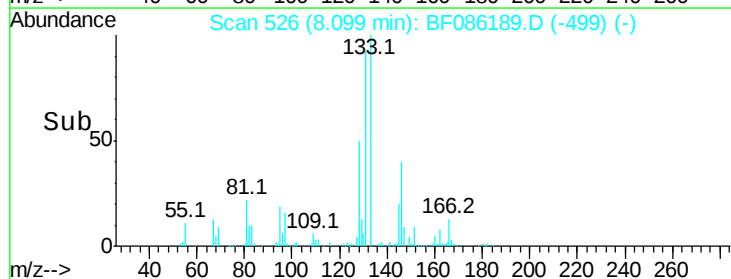
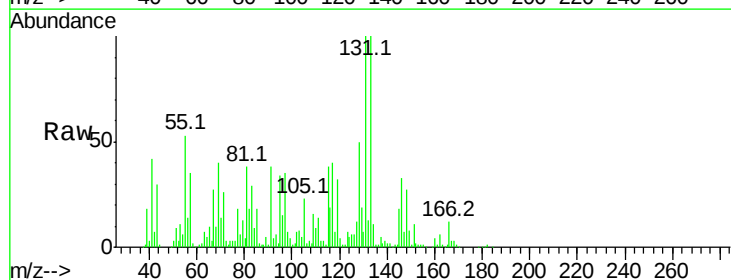
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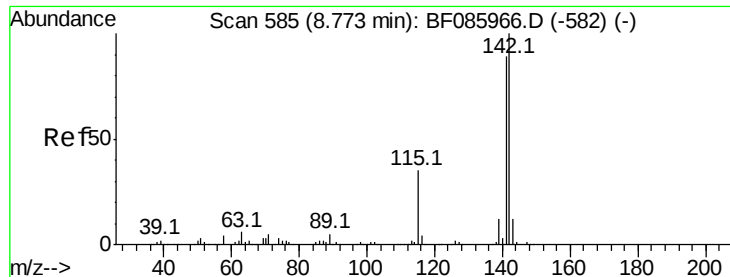
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#31
 Naphthalene
 Concen: 121.14 ng m
 RT: 8.10 min Scan# 526
 Delta R.T. 0.01 min
 Lab File: BF086189.D
 Acq: 9 Apr 2016 1:05

Tgt Ion:	128	Resp:	696559
Ion Ratio	Lower	Upper	
128	100		
129	37.6	9.4	14.0#
127	24.1	11.0	16.6#





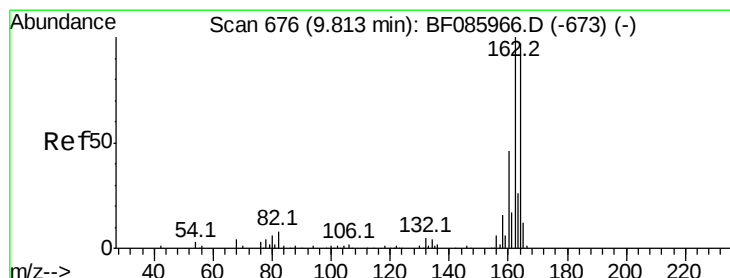
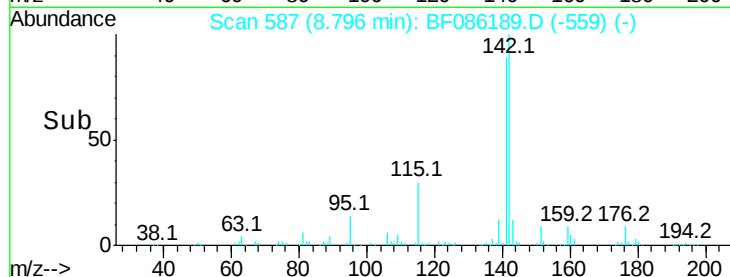
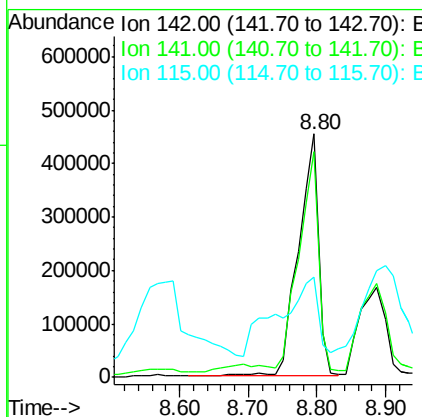
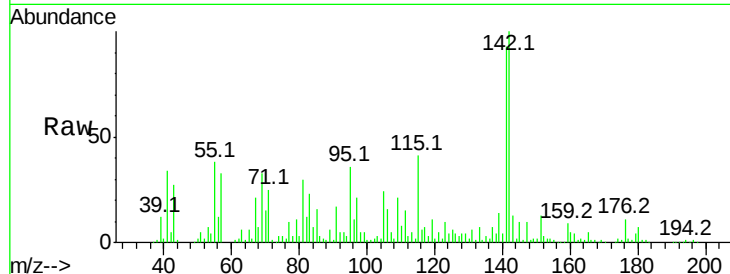
#37
2-Methylnaphthalene
Concen: 244.23 ng
RT: 8.80 min Scan# 587
Delta R.T. 0.02 min
Lab File: BF086189.D
Acq: 9 Apr 2016 1:05

Instrument :
BNA_F
ClientSampleId :
TW-3-04062016

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.7	71.6	107.4
115	41.2	26.8	40.2

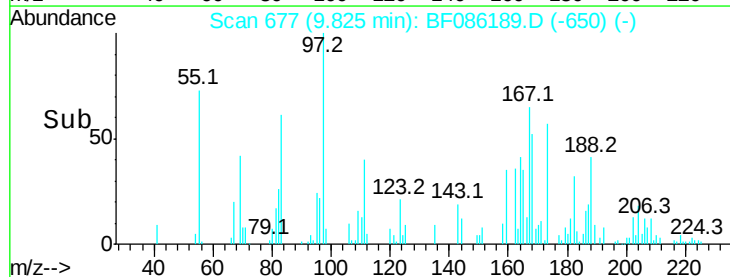
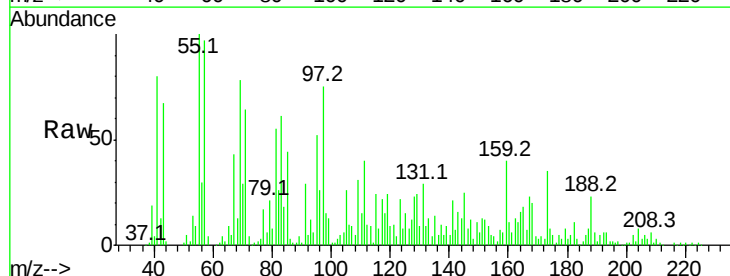
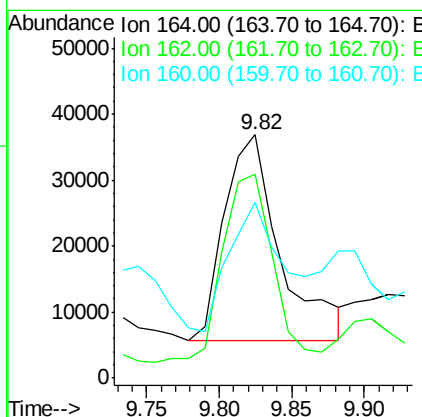
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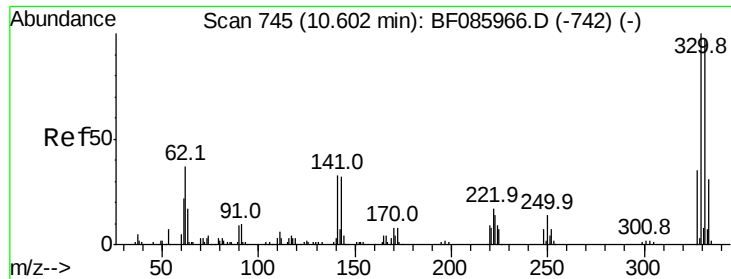
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 677
Delta R.T. 0.01 min
Lab File: BF086189.D
Acq: 9 Apr 2016 1:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	83.8	82.1	123.1
160	72.2	37.4	56.2





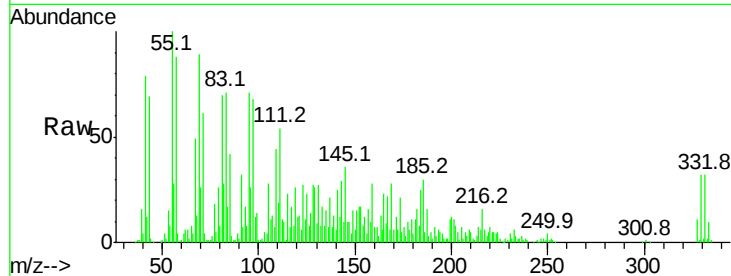
#41
 2,4,6-Tribromophenol
 Concen: 105.74 ng
 RT: 10.61 min Scan# 746
 Delta R.T. 0.01 min
 Lab File: BF086189.D
 Acq: 9 Apr 2016 1:05

Instrument :
 BNA_F
 ClientSampleId :
 TW-3-04062016

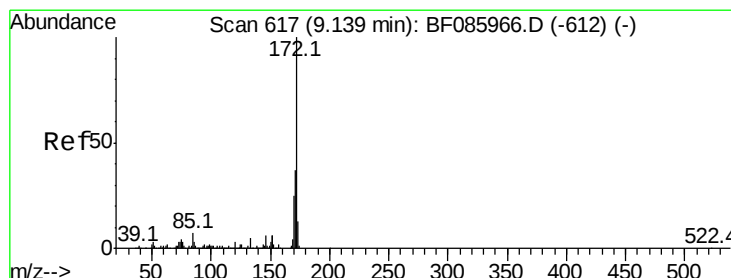
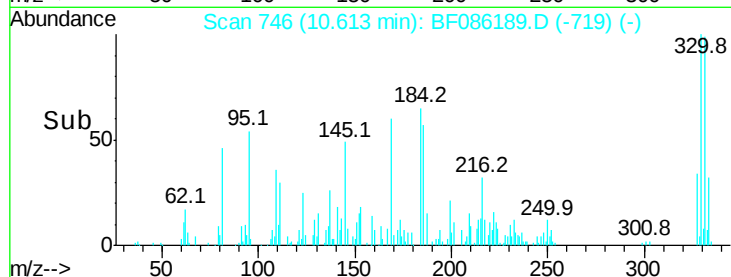
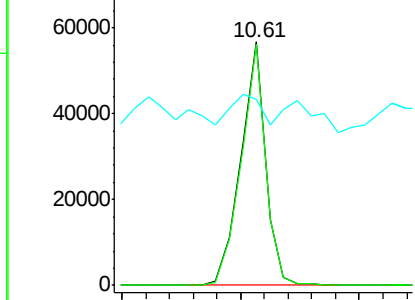
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.2	78.2	117.2
141	16.9	31.5	47.3

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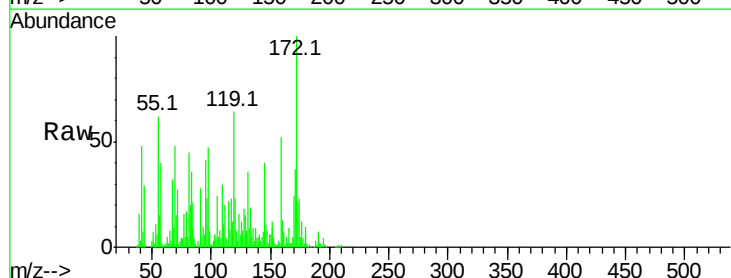


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

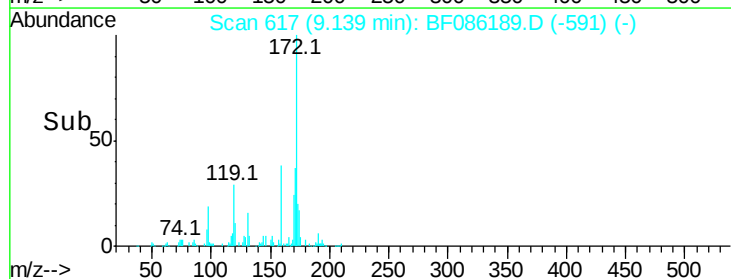
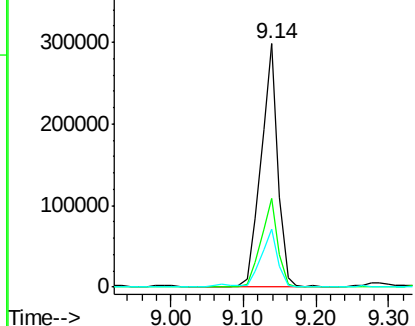


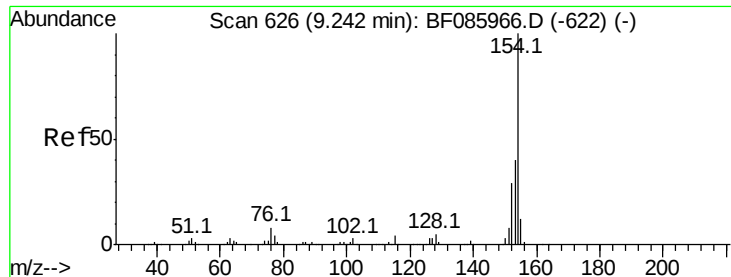
#44
 2-Fluorobiphenyl
 Concen: 98.44 ng
 RT: 9.14 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: BF086189.D
 Acq: 9 Apr 2016 1:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.4	44.2
170	23.9	19.8	29.6



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: 20.59 ng

RT: 9.24 min Scan# 626

Delta R.T. 0.00 min

Lab File: BF086189.D

Acq: 9 Apr 2016 1:05

Instrument :

BNA_F

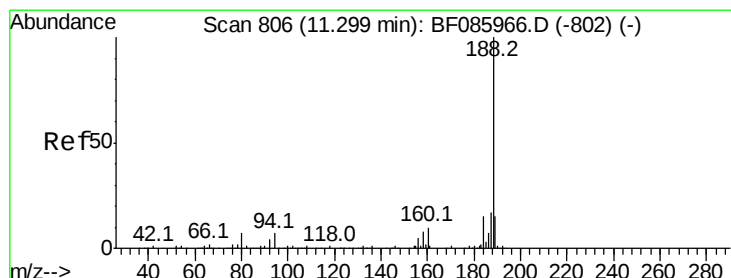
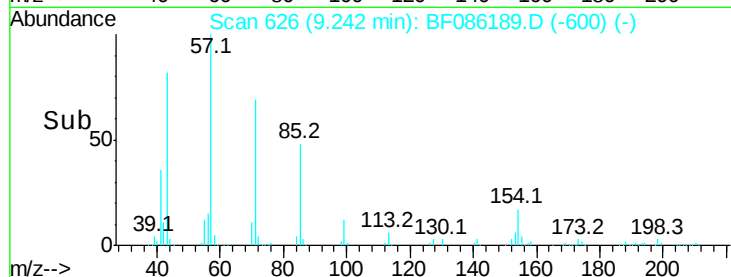
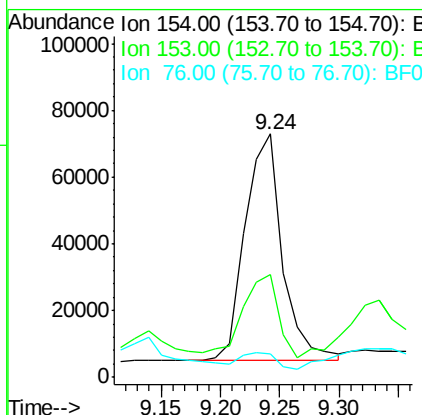
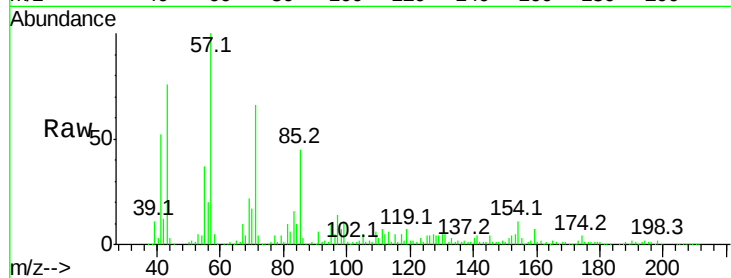
ClientSampleId :

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Tot Ion:	154	Resp:	147912
Ion Ratio	Lower	Upper	
154	100		
153	42.4	20.8	60.8
76	9.5	0.0	36.7

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#63

Phenanthrene-d10

Concen: 20.00 ng

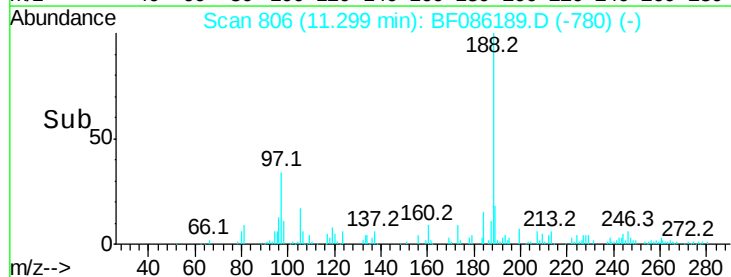
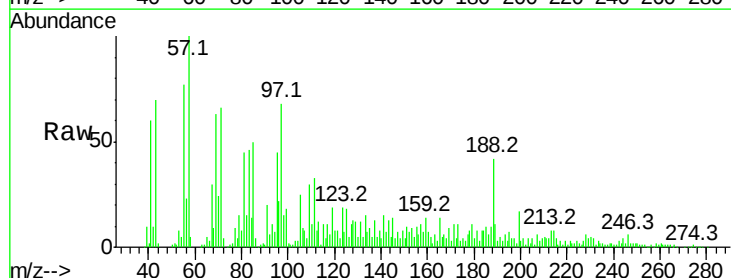
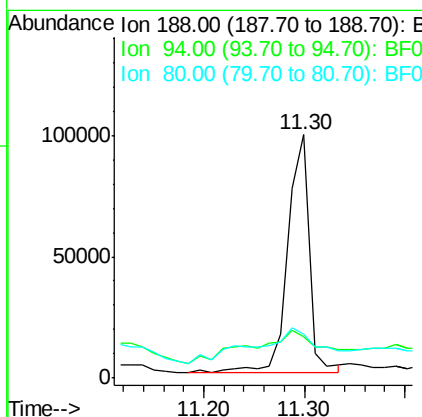
RT: 11.30 min Scan# 806

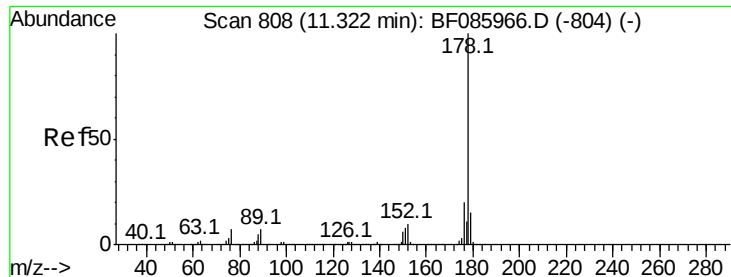
Delta R.T. 0.00 min

Lab File: BF086189.D

Acq: 9 Apr 2016 1:05

Tgt Ion:	188	Resp:	147702
Ion Ratio	Lower	Upper	
188	100		
94	17.2	5.4	8.0#
80	18.1	5.5	8.3#





#70

Phenanthrene

Concen: 14.58 ng

RT: 11.32 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF086189.D

Acq: 9 Apr 2016 1:05

Instrument :

BNA_F

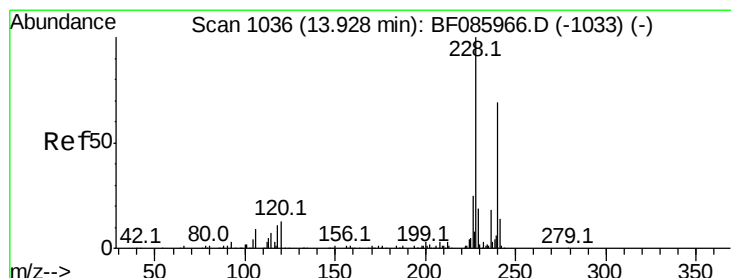
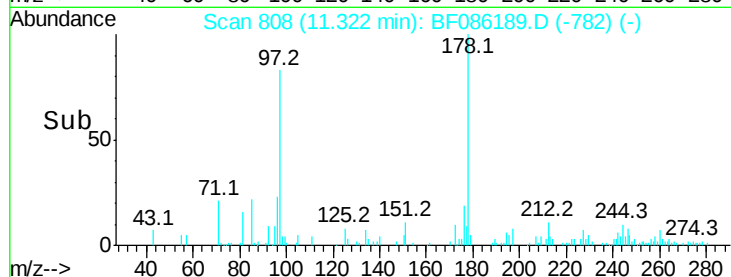
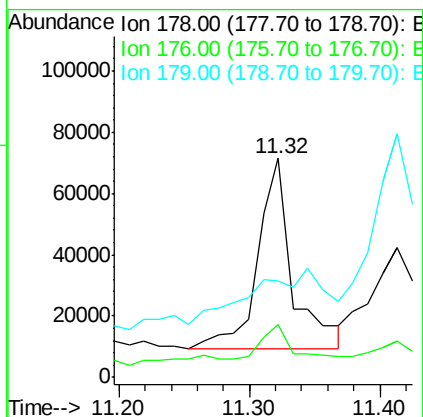
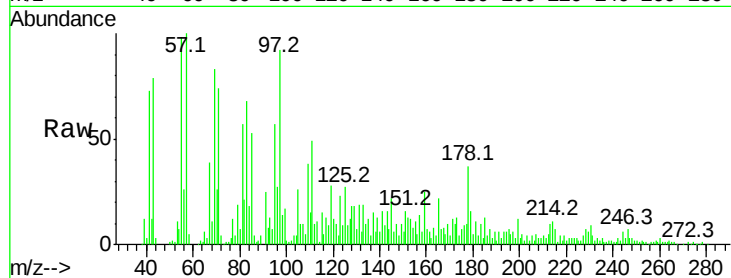
ClientSampleId :

TW-3-04062016

Tot Ion	Ratio	Lower	Upper
178	100		
176	24.0	16.3	24.5
179	44.2	12.6	18.8

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#75

Chrysene-d12

Concen: 20.00 ng

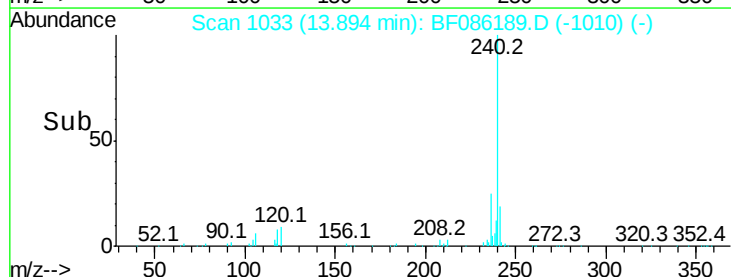
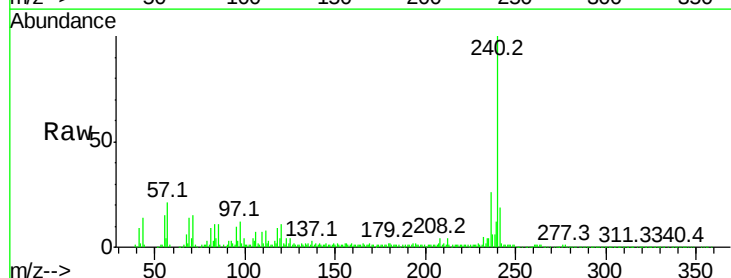
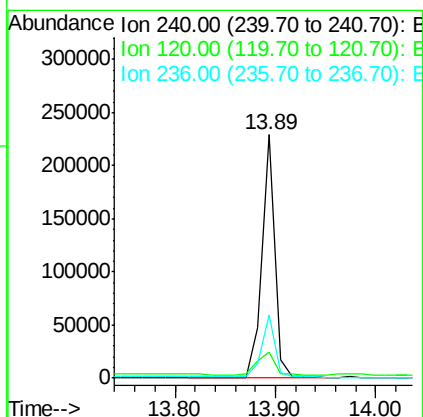
RT: 13.89 min Scan# 1033

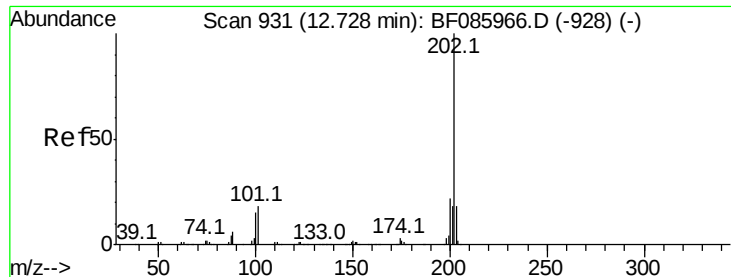
Delta R.T. -0.03 min

Lab File: BF086189.D

Acq: 9 Apr 2016 1:05

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.9	13.8	20.8
236	25.9	20.6	30.8





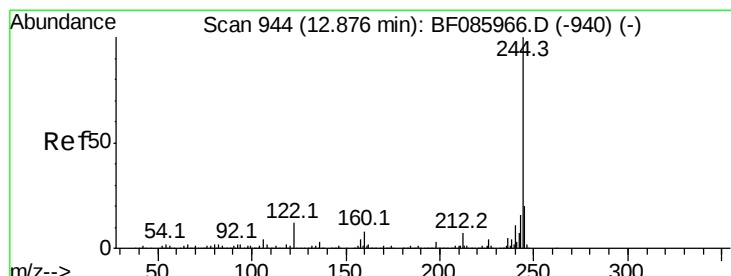
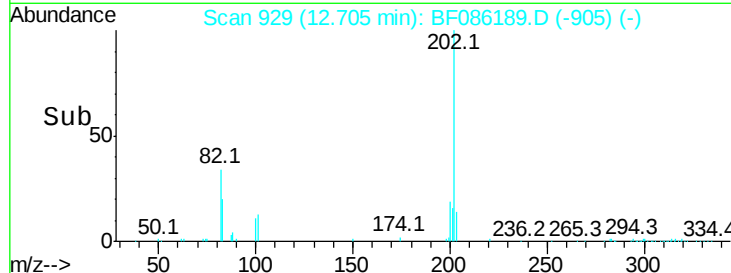
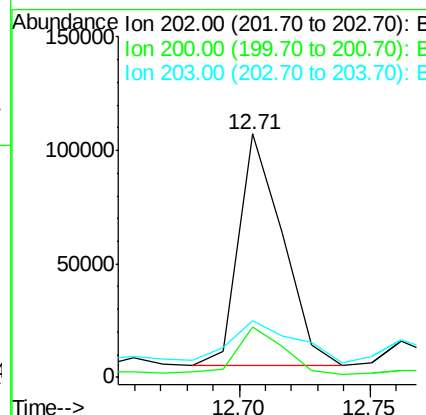
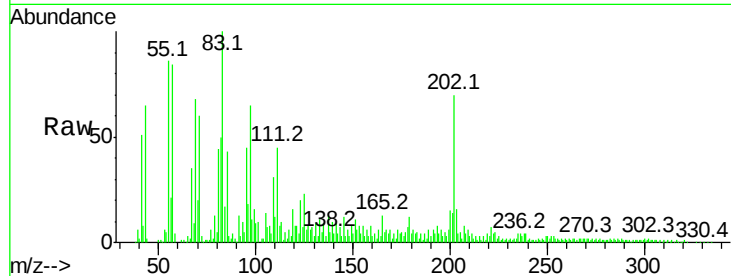
#77
Pvrene
Concen: 8.46 ng
RT: 12.71 min Scan# 929
Delta R.T. -0.02 min
Lab File: BF086189.D
Acq: 9 Apr 2016 1:05

Instrument :
BNA_F
ClientSampleId :
TW-3-04062016

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.9	17.6	26.4
203	23.4	14.0	21.0

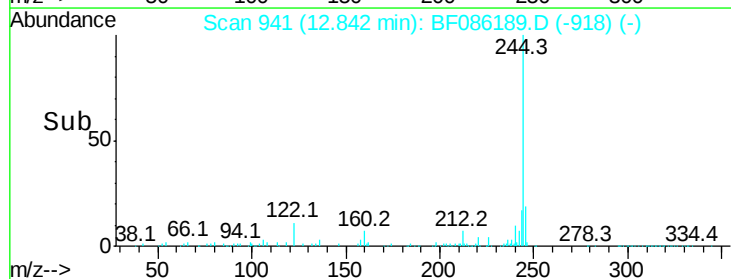
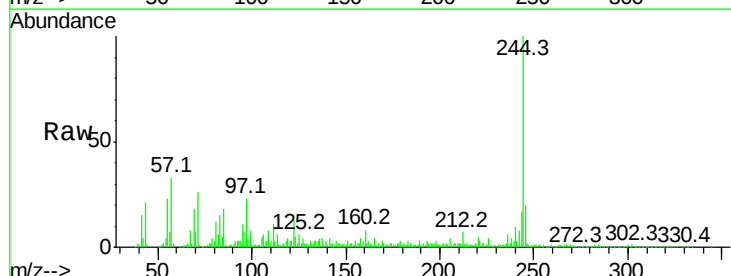
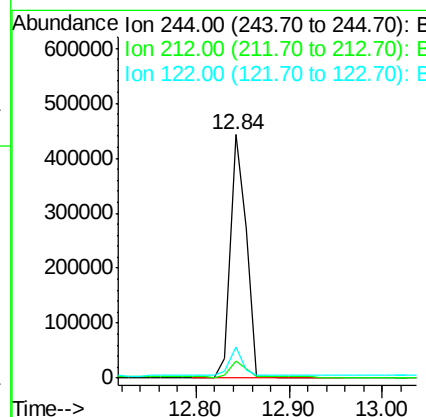
Manual Integrations
APPROVED

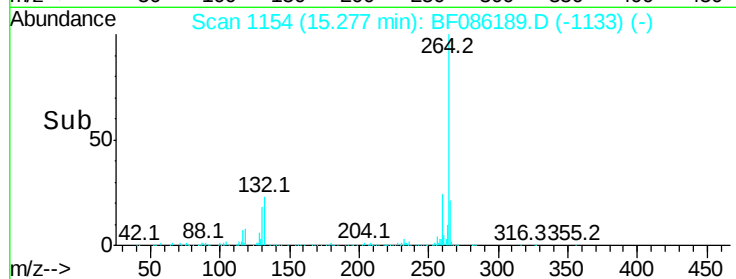
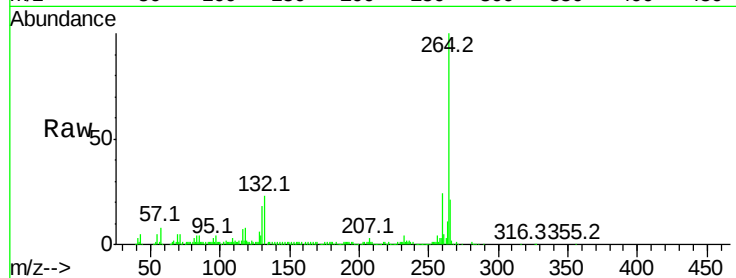
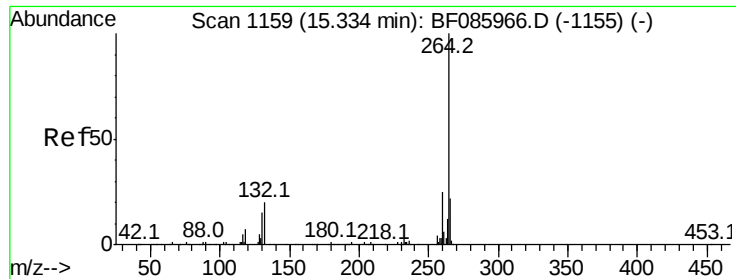
Sohil
4/11/2016 5:45:24 PM



#78
Terphenyl-d14
Concen: 59.79 ng
RT: 12.84 min Scan# 941
Delta R.T. -0.03 min
Lab File: BF086189.D
Acq: 9 Apr 2016 1:05

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.1	6.1	9.1
122	12.8	10.2	15.4





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 1154
Delta R.T. -0.06 min
Lab File: BF086189.D
Acq: 9 Apr 2016 1:05

Instrument :
BNA_F
ClientSampleId :
TW-3-04062016

Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	24.2	19.4	29.2
265	21.4	17.2	25.8

Manual Integrations
APPROVED

Sohil
4/11/2016 5:45:24 PM

