

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
 Data File : BF086953.D
 Acq On : 13 May 2016 2:15
 Operator : UM/SJ
 Sample : H2968-06 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP42-4.5FT

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Quant Time: May 13 03:08:58 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 00:58:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	168641	20.00	ng	-0.01
21) Naphthalene-d8	7.91	136	681150	20.00	ng	-0.01
38) Acenaphthene-d10	9.66	164	282666	20.00	ng	-0.01
63) Phenanthrene-d10	11.13	188	421392	20.00	ng	-0.01
75) Chrysene-d12	13.76	240	432598	20.00	ng	-0.01
86) Perylene-d12	15.13	264	346615	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	163148	16.38	ng	0.00
7) Phenol-d6	6.28	99	220668	16.58	ng	-0.01
23) Nitrobenzene-d5	7.19	82	132846	9.79	ng	-0.02
41) 2,4,6-Tribromophenol	10.44	330	33167	11.08	ng	-0.01
44) 2-Fluorobiphenyl	8.98	172	189290	11.25	ng	-0.01
78) Terphenyl-d14	12.72	244	132852	6.52	ng	0.00
Target Compounds						
74) Fluoranthene	12.34	202	100805	4.36	ng	Qvalue 92
77) Pyrene	12.56	202	84195	2.54	ng	97
80) Benzo(a)anthracene	13.75	228	65124	2.68	ng	# 90
87) Benzo(b)fluoranthene	14.75	252	54813m	2.43	ng	

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

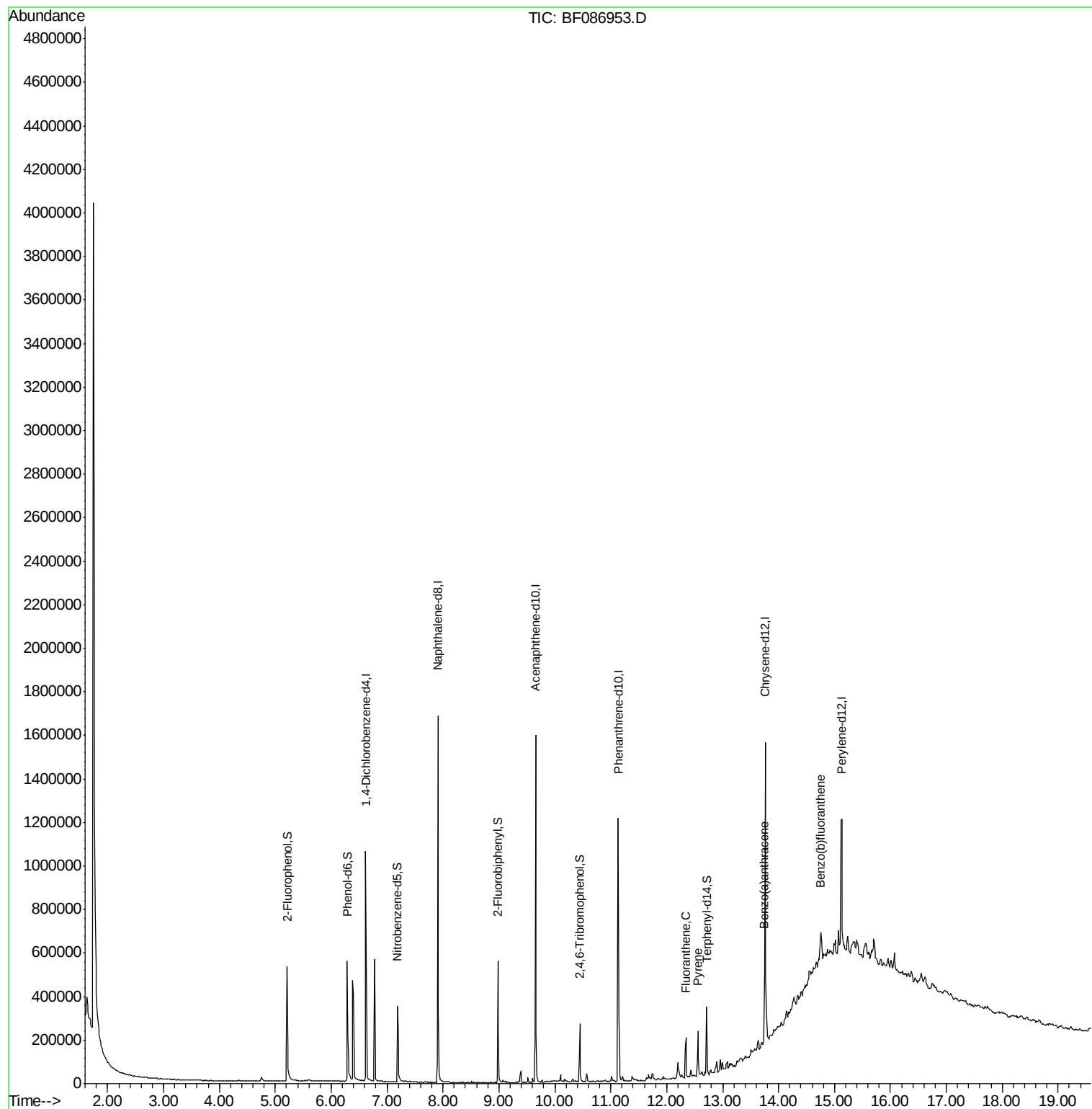
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086953.D
Acq On : 13 May 2016 2:15
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Sample : H2968-06 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

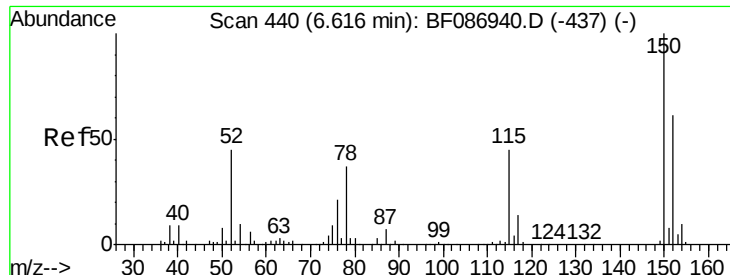
Instrument :
BNA_F
ClientSampleId :
TP42-4.5FT

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Quant Time: May 13 03:08:58 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 13 00:58:18 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.01 min

Lab File: BF086953.D

Acq: 13 May 2016 2:15

Instrument :

BNA_F

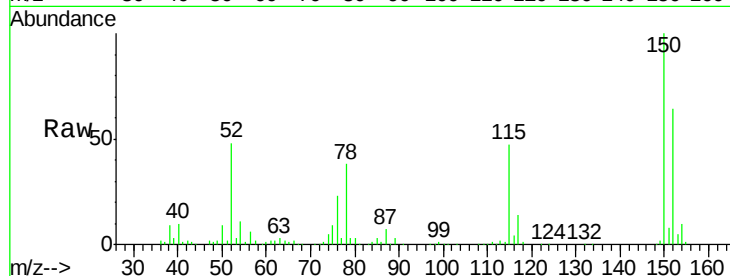
ClientSampleId :

TP42-4.5FT

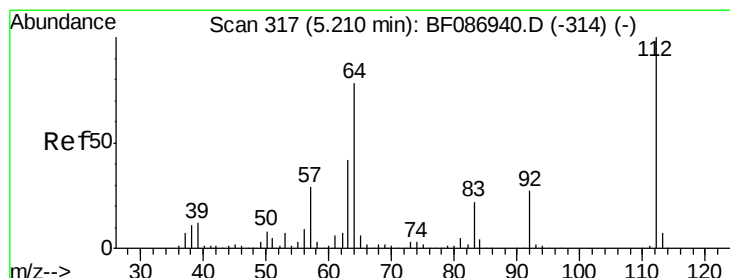
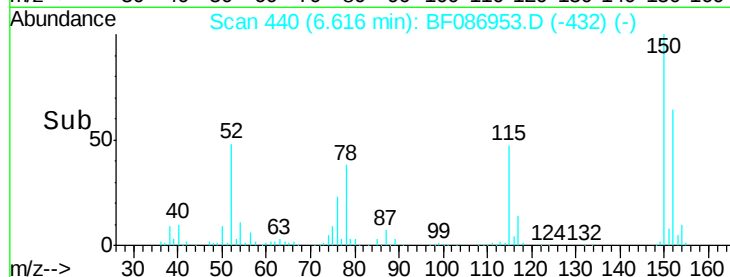
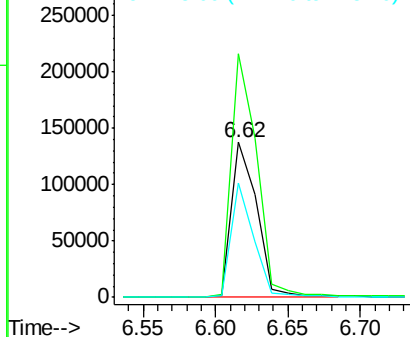
Tgt	Ion:152	Resp:	168641
Ion	Ratio	Lower	Upper
152	100		
150	157.4	125.8	188.6
115	74.1	51.5	77.3

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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: 16.38 ng

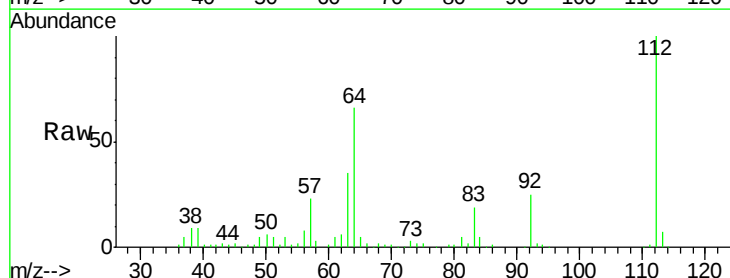
RT: 5.21 min Scan# 317

Delta R.T. 0.00 min

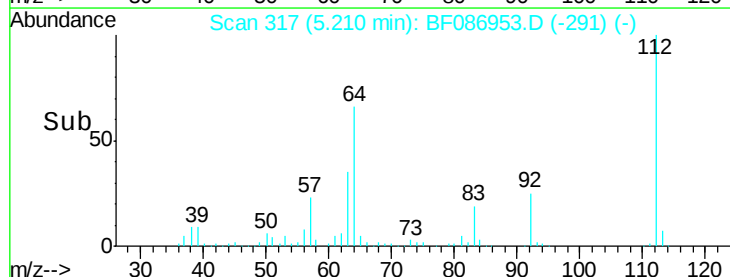
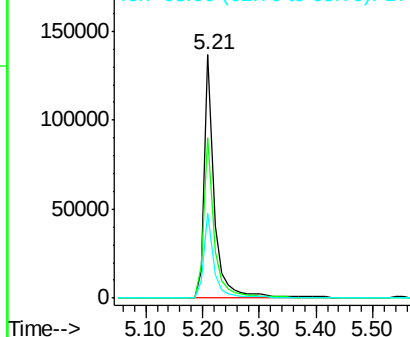
Lab File: BF086953.D

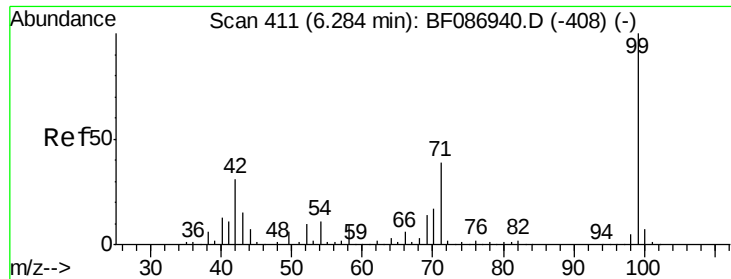
Acq: 13 May 2016 2:15

Tgt	Ion:112	Resp:	163148
Ion	Ratio	Lower	Upper
112	100		
64	66.1	52.1	78.1
63	34.8	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: 16.58 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF086953.D

Acq: 13 May 2016 2:15

Instrument :

BNA_F

ClientSampleId :

TP42-4.5FT

Tgt Ion: 99 Resp: 220668

Ion Ratio Lower Upper

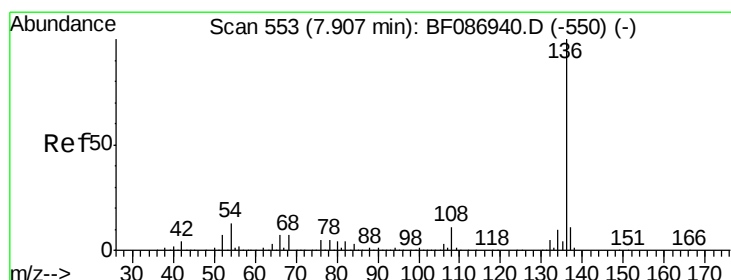
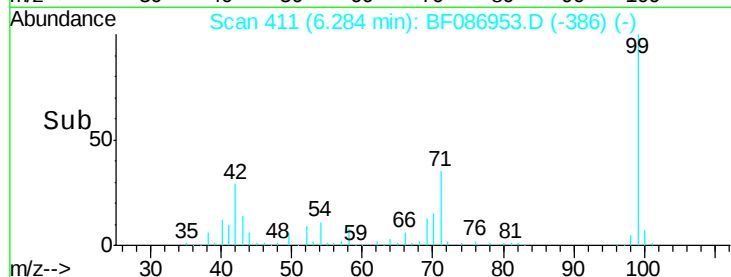
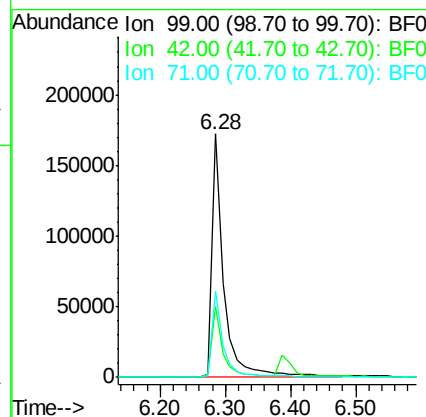
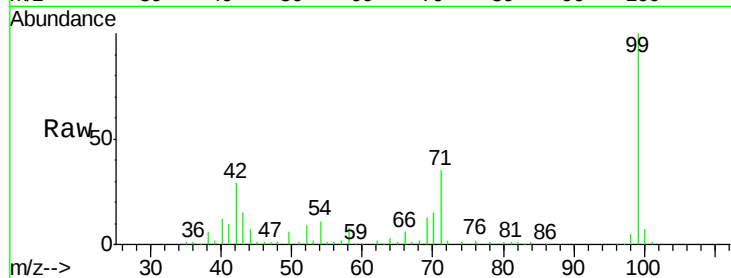
99 100

42 28.9 13.6 20.4#

71 35.3 24.6 36.8

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 553

Delta R.T. -0.01 min

Lab File: BF086953.D

Acq: 13 May 2016 2:15

Tgt Ion: 136 Resp: 681150

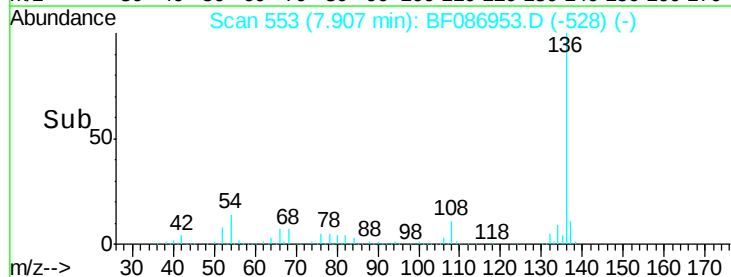
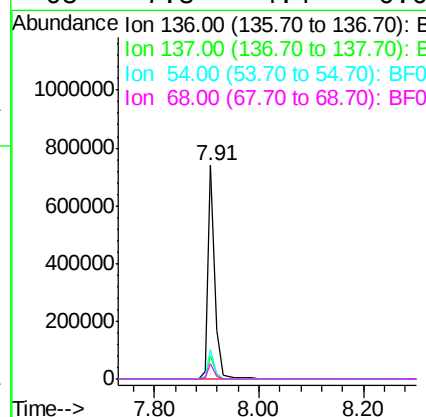
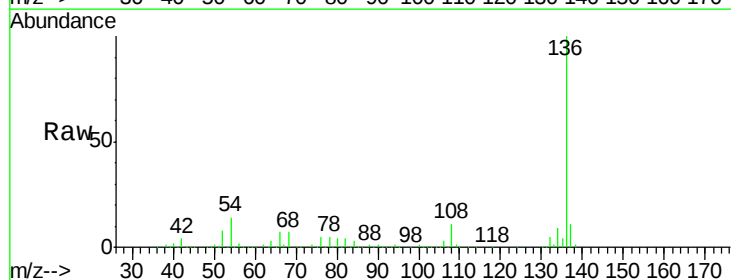
Ion Ratio Lower Upper

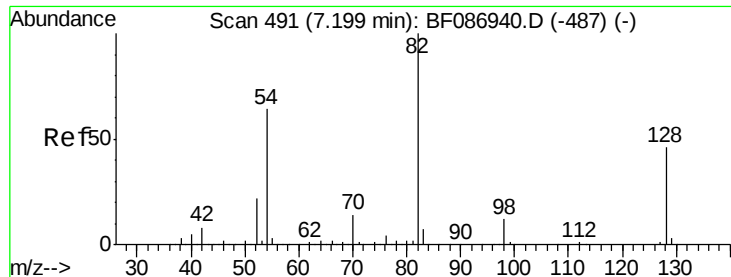
136 100

137 11.1 8.8 13.2

54 13.6 5.0 7.4#

68 7.3 4.4 6.6#





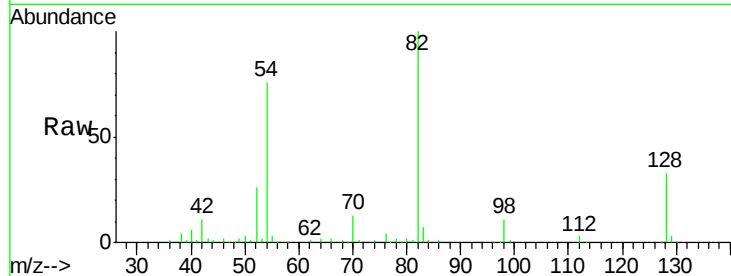
#23
 Nitrobenzene-d5
 Concen: 9.79 ng
 RT: 7.19 min Scan# 490
 Delta R.T. -0.02 min
 Lab File: BF086953.D
 Acq: 13 May 2016 2:15

Instrument :
 BNA_F
 ClientSampleId :
 TP42-4.5FT

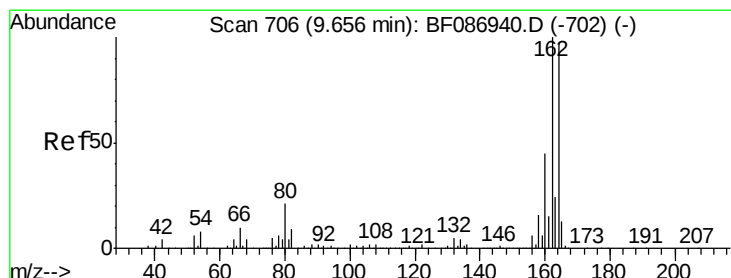
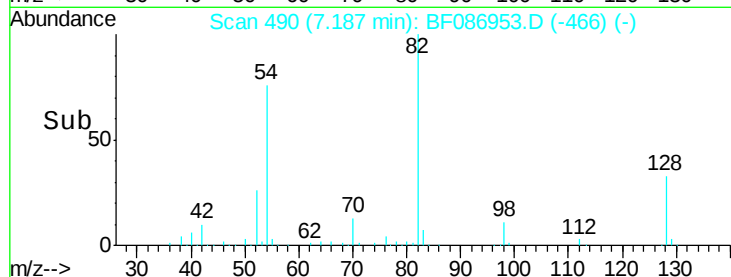
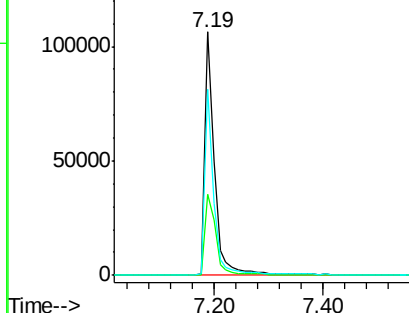
Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	33.2	40.6	61.0#
54	76.3	38.1	57.1#

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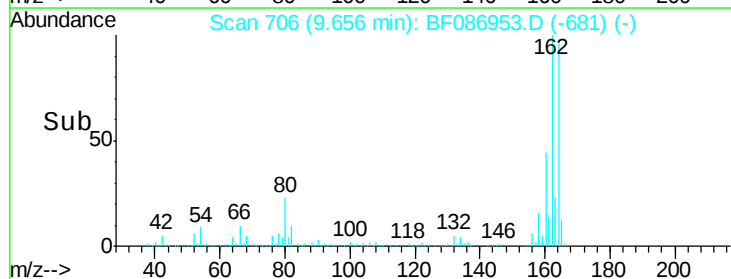
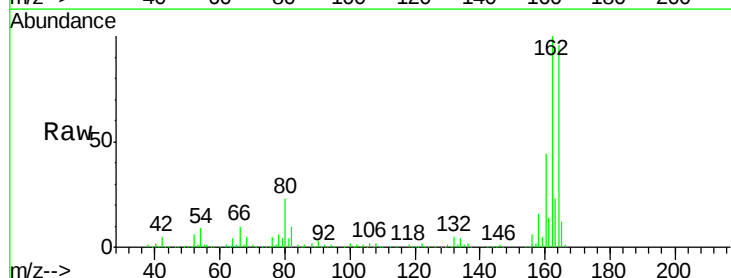
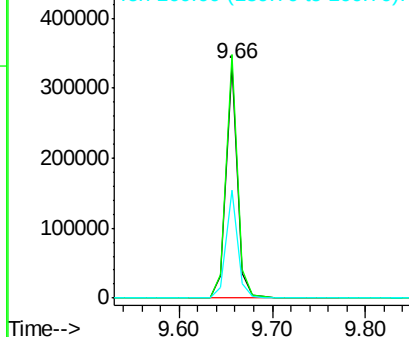
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

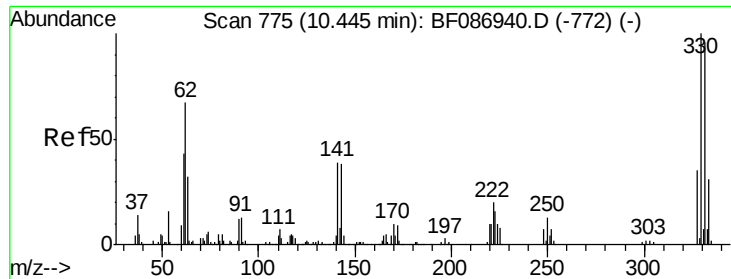


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: BF086953.D
 Acq: 13 May 2016 2:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
162	104.2	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





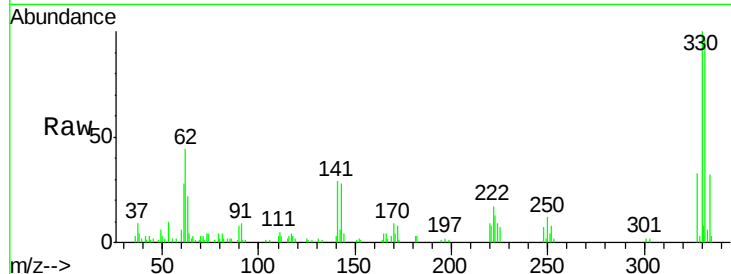
#41
 2,4,6-Tribromophenol
 Concen: 11.08 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: BF086953.D
 Acq: 13 May 2016 2:15

Instrument :
 BNA_F
 ClientSampleId :
 TP42-4.5FT

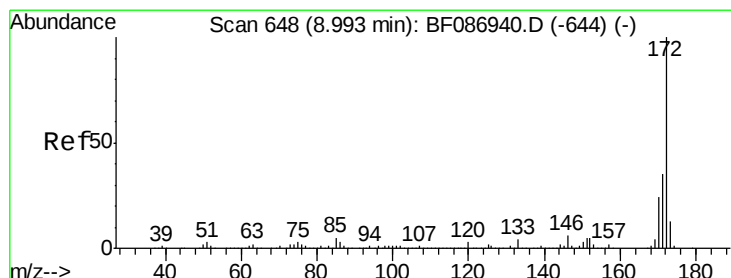
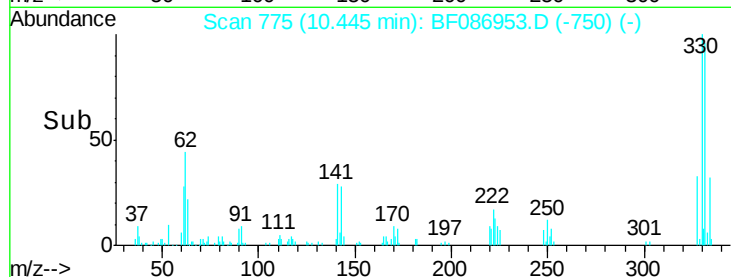
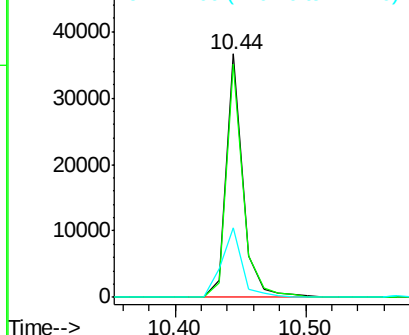
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	33167		
332	94.6	79.0	118.4	
141	35.0	31.2	46.8	

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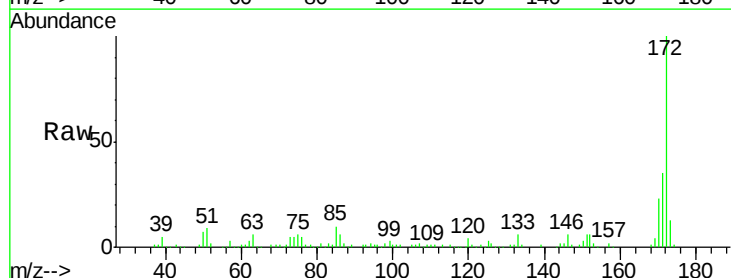


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

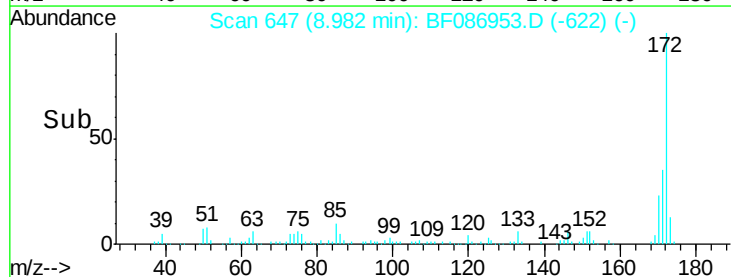
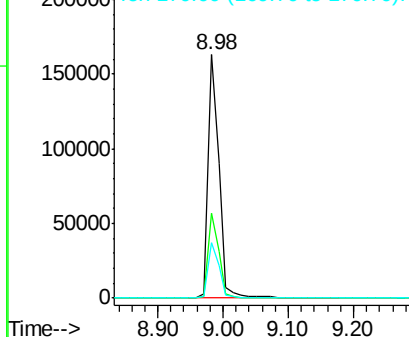


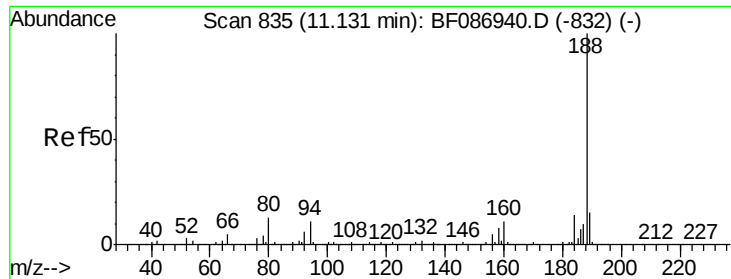
#44
 2-Fluorobiphenyl
 Concen: 11.25 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.01 min
 Lab File: BF086953.D
 Acq: 13 May 2016 2:15

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	189290		
171	34.8	29.0	43.6	
170	23.0	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





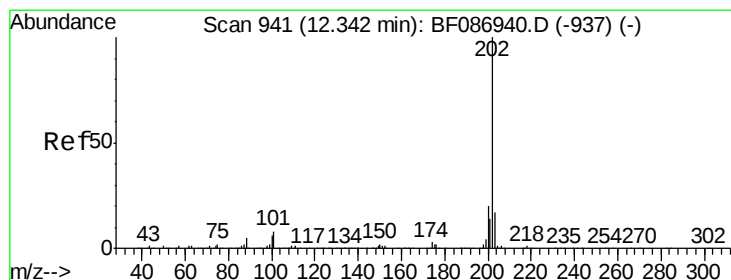
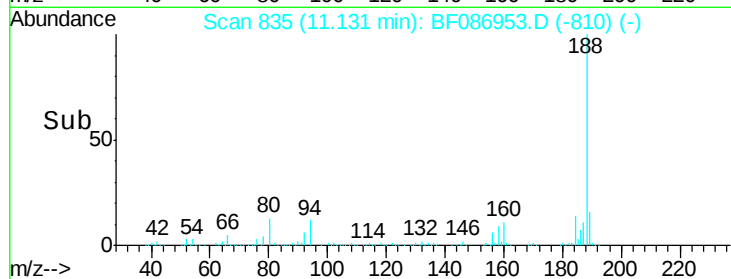
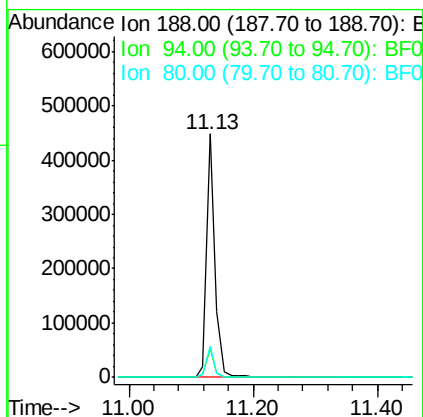
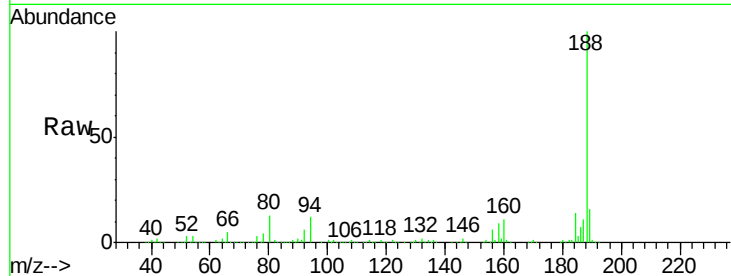
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.01 min
Lab File: BF086953.D
Acq: 13 May 2016 2:15

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Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.8	6.8	10.2#
80	12.9	7.1	10.7#

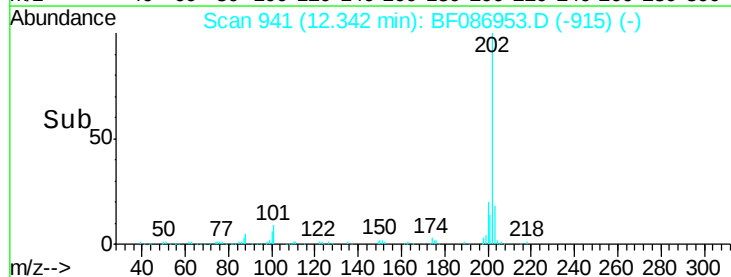
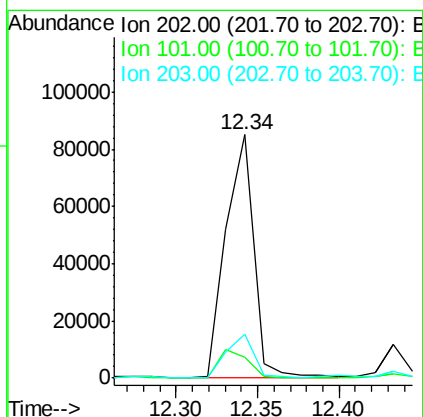
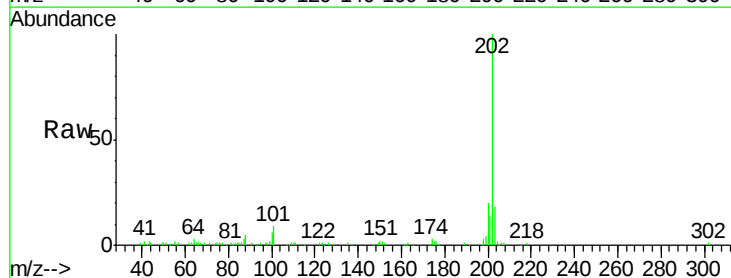
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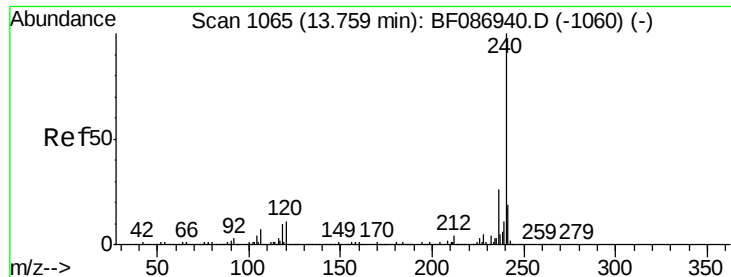
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#74
Fluoranthene
Concen: 4.36 ng
RT: 12.34 min Scan# 941
Delta R.T. 0.00 min
Lab File: BF086953.D
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Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	8.5	0.0	35.4
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.01 min

Lab File: BF086953.D

Acq: 13 May 2016 2:15

Instrument :

BNA_F

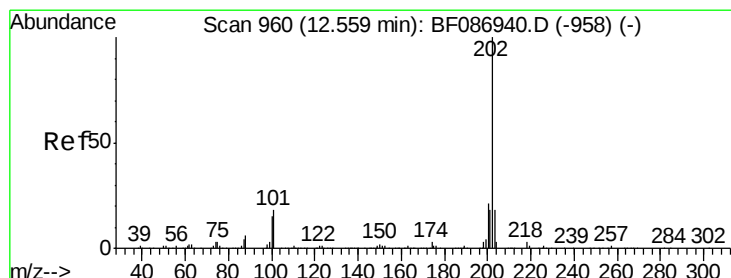
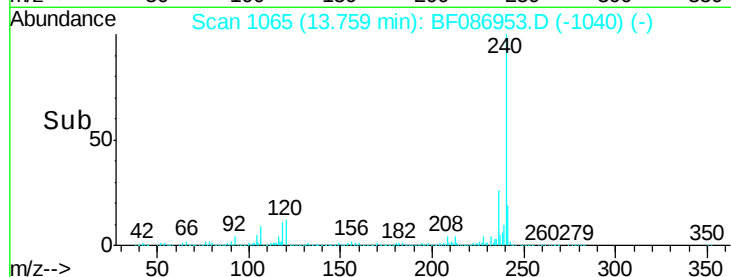
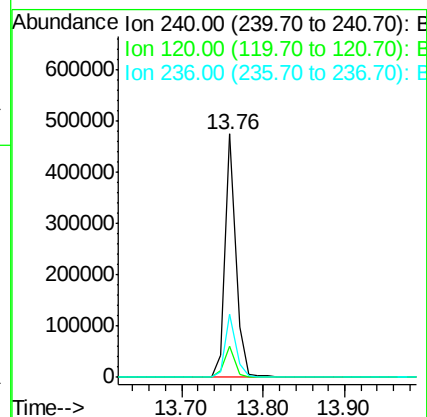
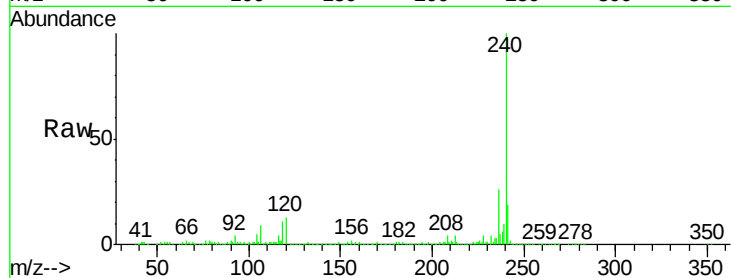
ClientSampleId :

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Tgt	Ion	240	Resp:	432598
Ion	Ratio	Lower	Upper	
240	100			
120	12.6	11.2	16.8	
236	25.8	21.2	31.8	

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#77

Pyrene

Concen: 2.54 ng

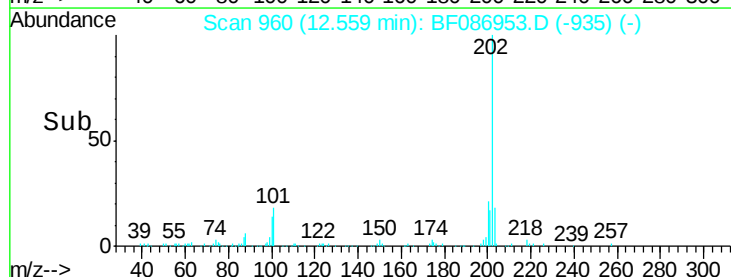
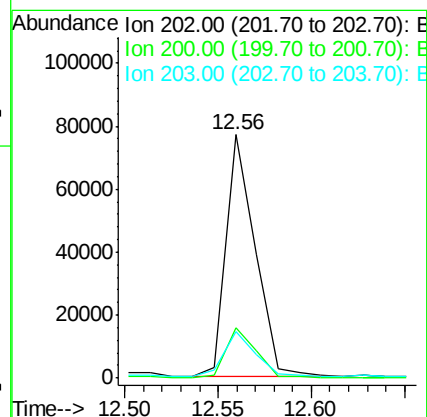
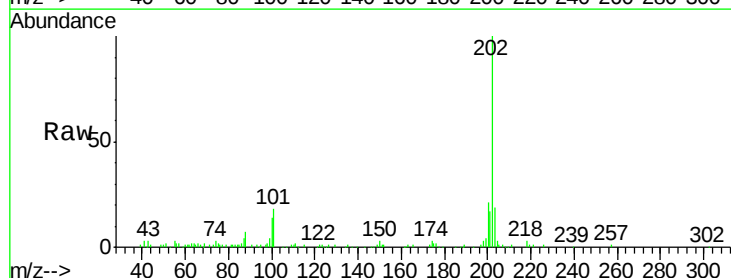
RT: 12.56 min Scan# 960

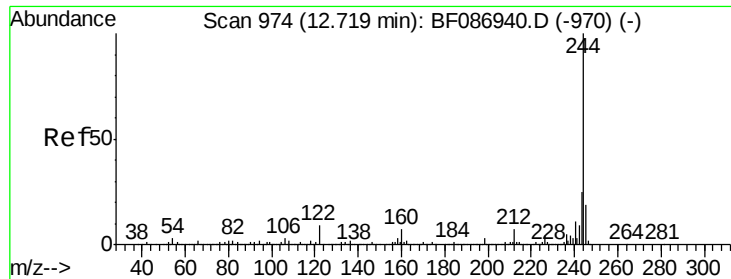
Delta R.T. -0.01 min

Lab File: BF086953.D

Acq: 13 May 2016 2:15

Tgt	Ion	202	Resp:	84195
Ion	Ratio	Lower	Upper	
202	100			
200	20.9	17.7	26.5	
203	18.9	14.2	21.4	





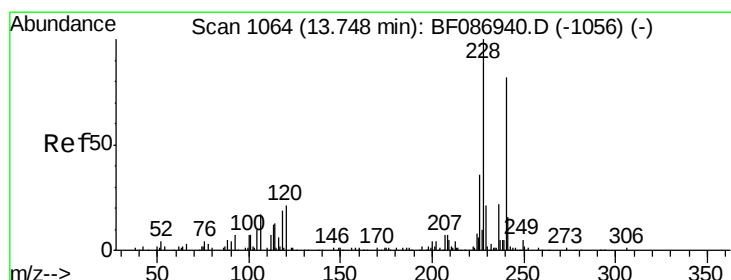
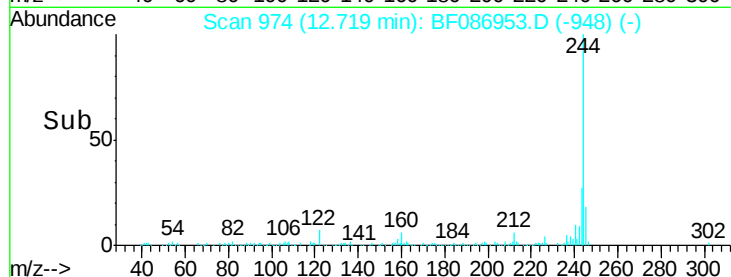
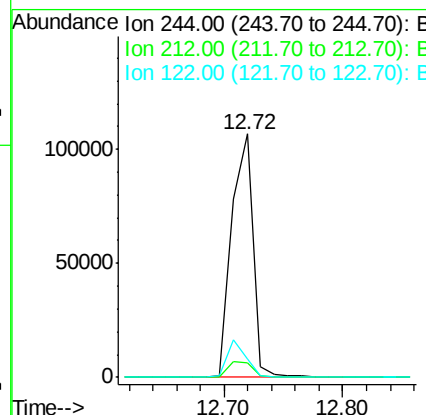
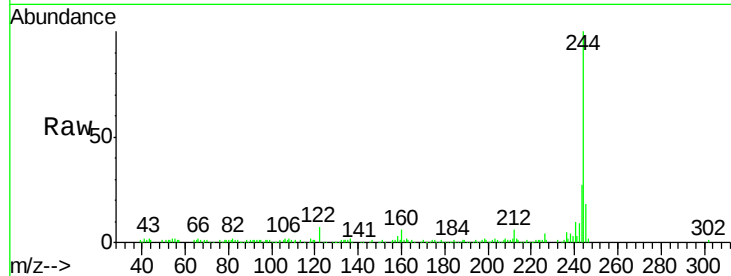
#78
 Terphenyl-d14
 Concen: 6.52 ng
 RT: 12.72 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: BF086953.D
 Acq: 13 May 2016 2:15

Instrument :
 BNA_F
 ClientSampleId :
 TP42-4.5FT

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.0	6.2	9.2#
122	7.5	12.0	18.0#

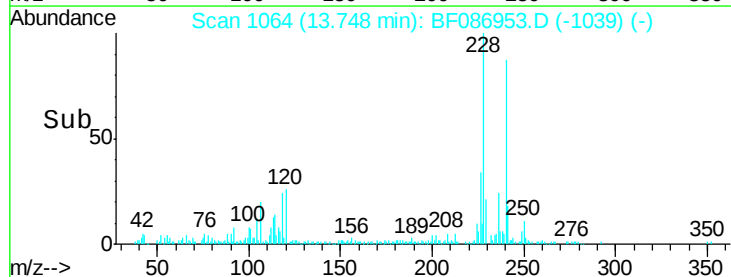
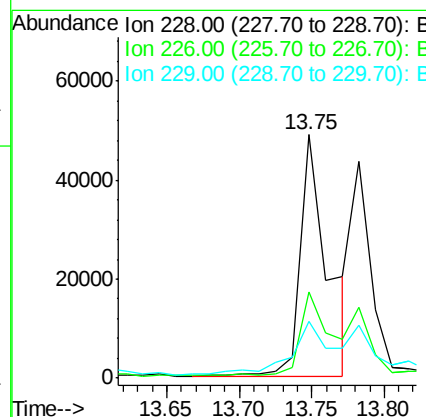
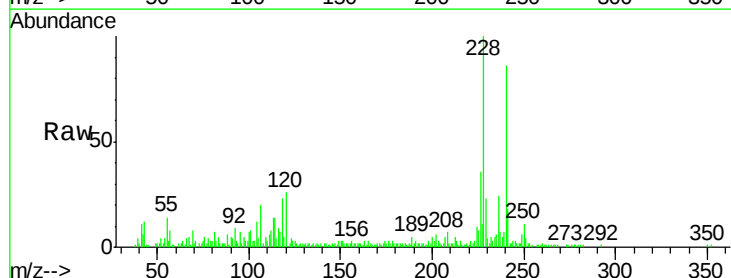
Manual Integrations
 APPROVED

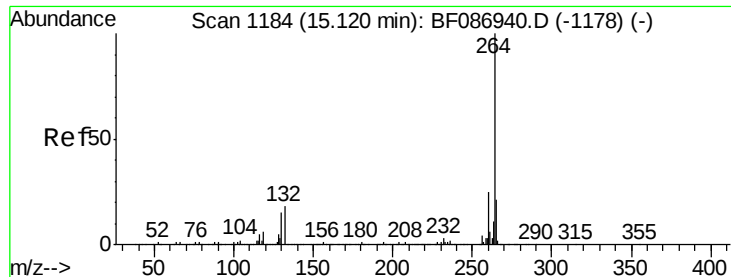
sohil
 5/13/2016 8:08:28 PM



#80
 Benzo(a)anthracene
 Concen: 2.68 ng
 RT: 13.75 min Scan# 1064
 Delta R.T. -0.01 min
 Lab File: BF086953.D
 Acq: 13 May 2016 2:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	35.5	22.5	33.7#
229	23.4	16.6	25.0





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.13 min Scan# 1185

Delta R.T. 0.01 min

Lab File: BF086953.D

Acq: 13 May 2016 2:15

Instrument :

BNA_F

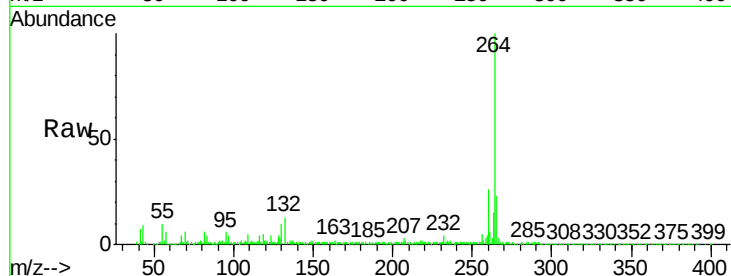
ClientSampleId :

TP42-4.5FT

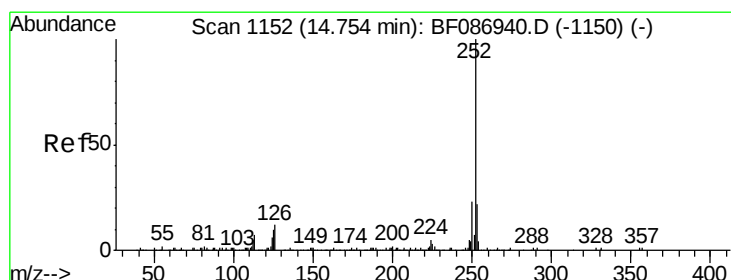
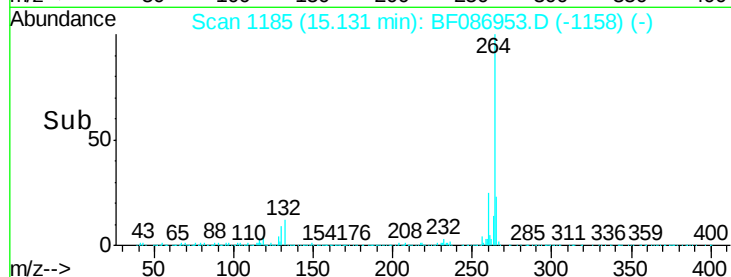
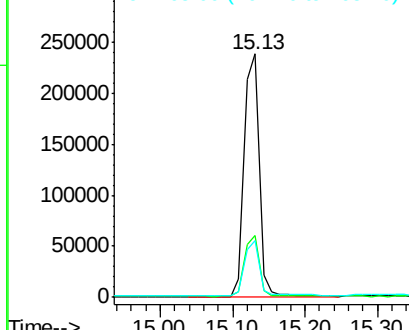
Tgt Ion:	264	Resp:	346615
Ion Ratio		Lower	Upper
264	100		
260	25.7	19.5	29.3
265	23.3	17.3	25.9

Manual Integrations
APPROVED

sohil
5/13/2016 8:08:28 PM



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 2.43 ng m

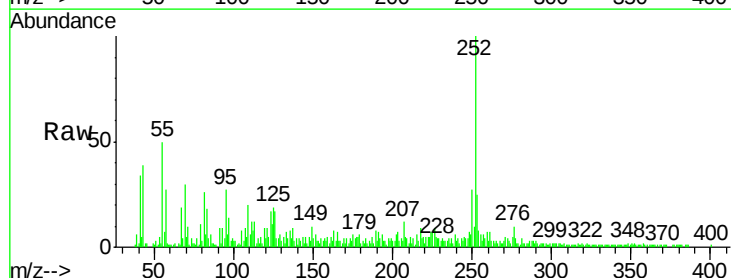
RT: 14.75 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BF086953.D

Acq: 13 May 2016 2:15

Tgt Ion:	252	Resp:	54813
Ion Ratio		Lower	Upper
252	100		
253	25.3	17.8	26.6
125	19.0	11.4	17.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

