

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
 Data File : BF086954.D
 Acq On : 13 May 2016 2:44
 Operator : UM/SJ
 Sample : H2968-07 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUPB

Manual Integrations
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Quant Time: May 13 04:26:52 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	159654	20.00	ng	-0.01
21) Naphthalene-d8	7.91	136	622811	20.00	ng	-0.01
38) Acenaphthene-d10	9.66	164	268151	20.00	ng	-0.01
63) Phenanthrene-d10	11.13	188	408938	20.00	ng	-0.01
75) Chrysene-d12	13.76	240	391339	20.00	ng	-0.01
86) Perylene-d12	15.13	264	303453	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	153859	16.32	ng	0.00
7) Phenol-d6	6.28	99	219952	17.46	ng	-0.01
23) Nitrobenzene-d5	7.19	82	125793	10.14	ng	-0.02
41) 2,4,6-Tribromophenol	10.44	330	31546	11.11	ng	-0.01
44) 2-Fluorobiphenyl	8.98	172	199635	12.51	ng	-0.01
78) Terphenyl-d14	12.72	244	142636	7.73	ng	0.00
Target Compounds						
74) Fluoranthene	12.34	202	162047	7.22	ng	Qvalue 93
77) Pyrene	12.56	202	132874	4.43	ng	96
80) Benzo(a)anthracene	13.75	228	92830	4.23	ng	93
82) Chrysene	13.78	228	61863m	2.77	ng	
87) Benzo(b)fluoranthene	14.75	252	77503m	3.93	ng	
88) Benzo(k)fluoranthene	14.77	252	33073m	2.05	ng	
89) Benzo(a)pyrene	15.07	252	50502	2.97	ng	# 92

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

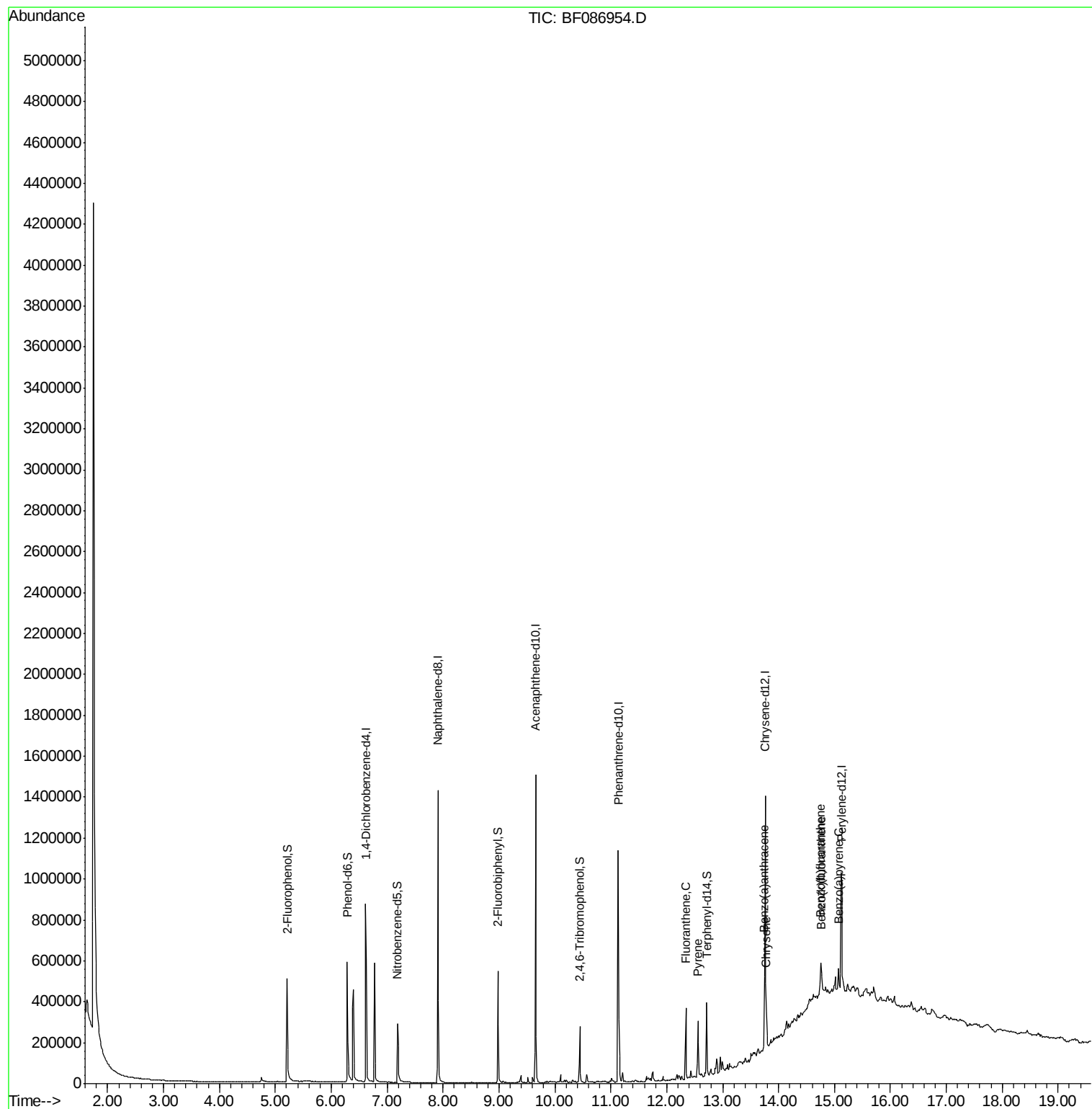
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086954.D
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Operator : UM/SJ
Sample : H2968-07 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

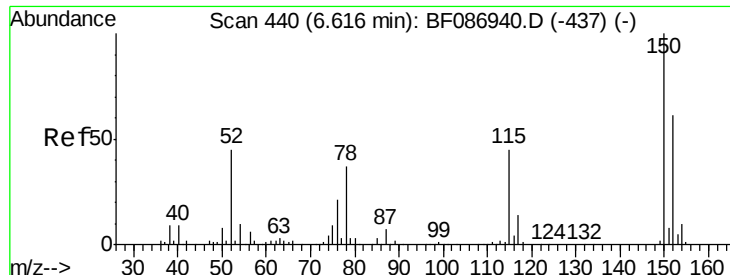
Instrument :
BNA_F
ClientSampleId :
DUPB

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Quant Time: May 13 04:26:52 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: BF086954.D

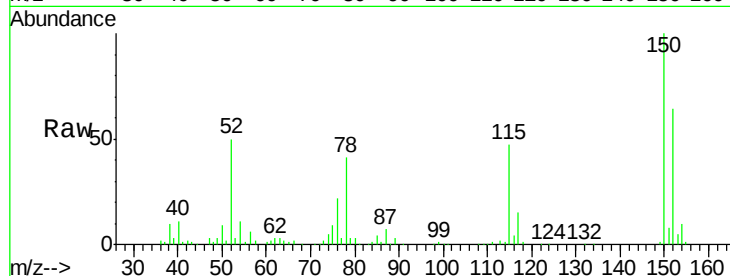
Acq: 13 May 2016 2:44

Instrument :

BNA_F

ClientSampled :

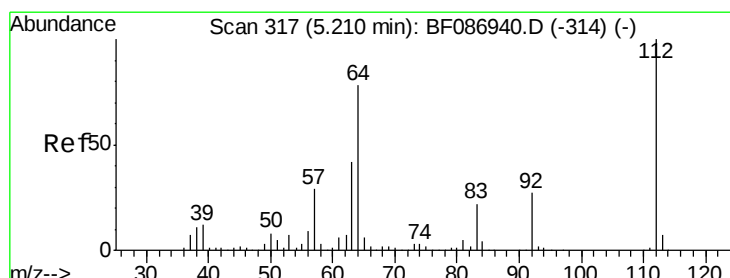
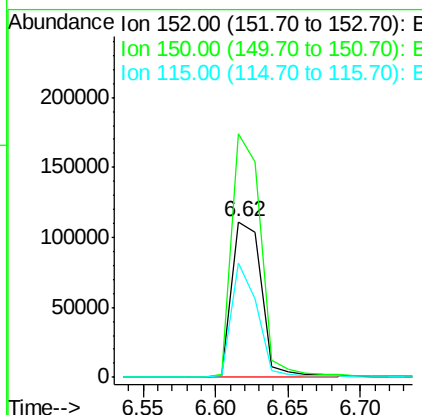
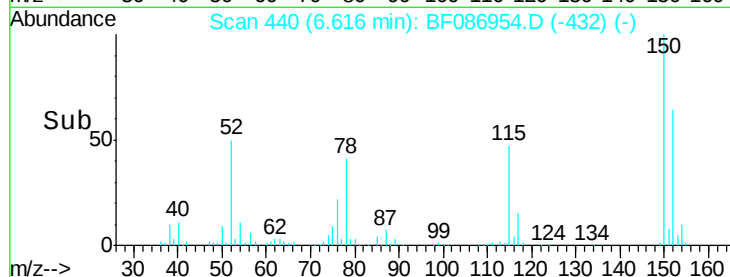
DUPB



Tgt Ion:	152	Resp:	159654
Ion Ratio	Lower	Upper	
152	100		
150	156.2	125.8	188.6
115	73.8	51.5	77.3

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#5

2-Fluorophenol

Concen: 16.32 ng

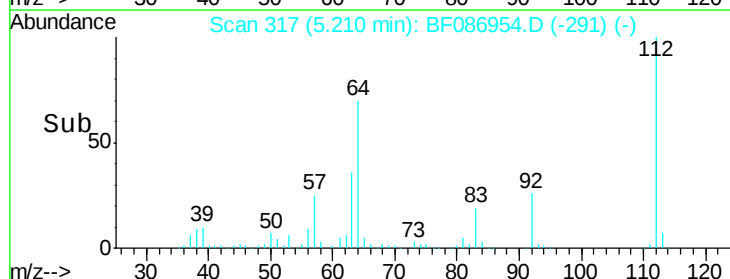
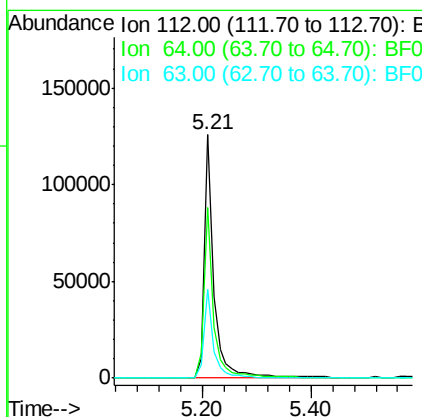
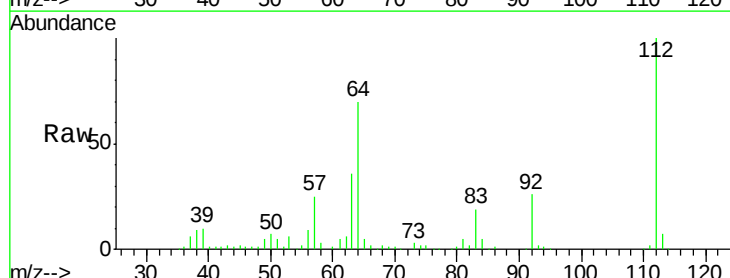
RT: 5.21 min Scan# 317

Delta R.T. 0.00 min

Lab File: BF086954.D

Acq: 13 May 2016 2:44

Tgt Ion:	112	Resp:	153859
Ion Ratio	Lower	Upper	
112	100		
64	69.9	52.1	78.1
63	36.4	25.7	38.5





#7

Phenol-d6

Concen: 17.46 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF086954.D

Acq: 13 May 2016 2:44

Instrument :

BNA_F

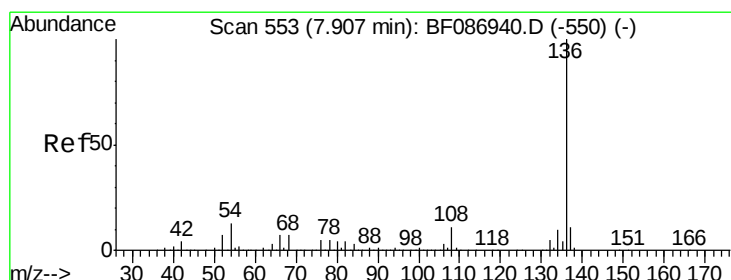
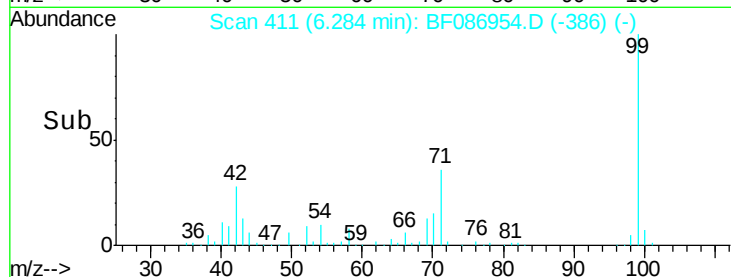
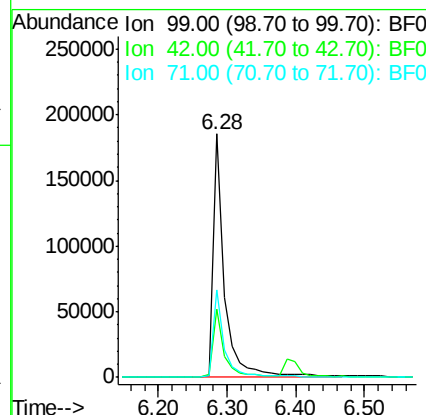
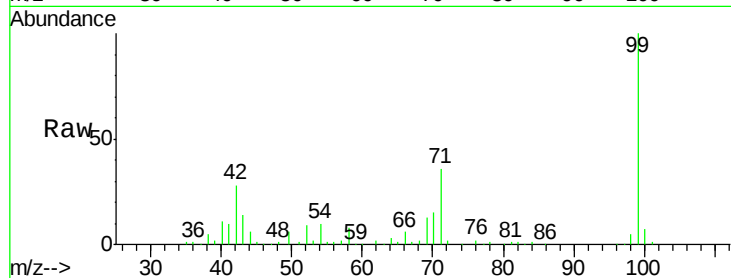
ClientSampled :

DUPB

Tgt Ion	Ratio	Lower	Upper
99	100		
42	28.1	13.6	20.4#
71	35.7	24.6	36.8

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#21

Naphthalene-d8

Concen: 20.00 ng

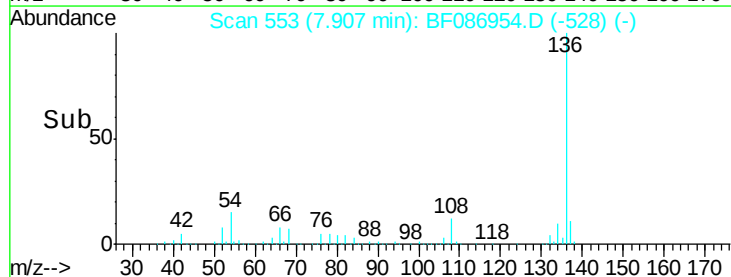
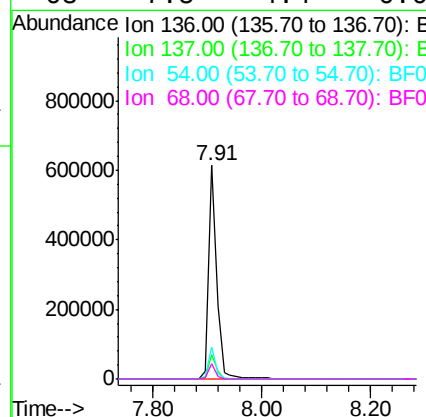
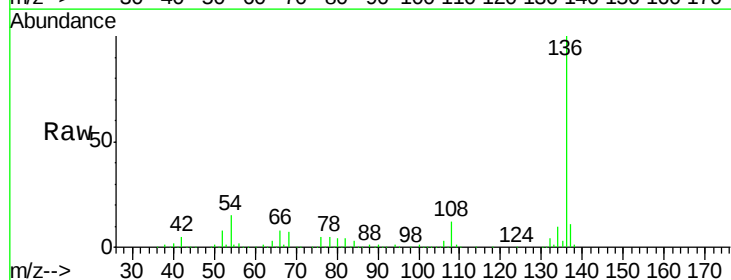
RT: 7.91 min Scan# 553

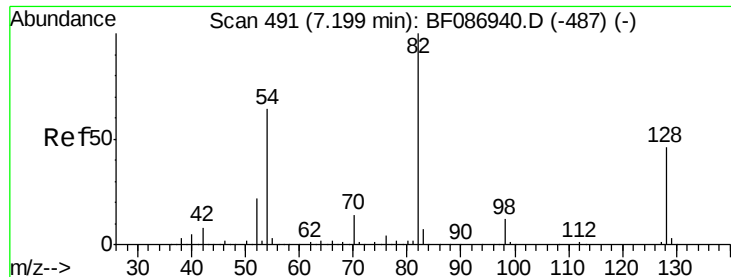
Delta R.T. -0.01 min

Lab File: BF086954.D

Acq: 13 May 2016 2:44

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	14.8	5.0	7.4#
68	7.5	4.4	6.6#





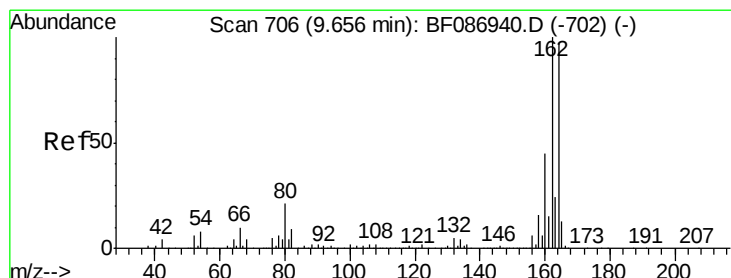
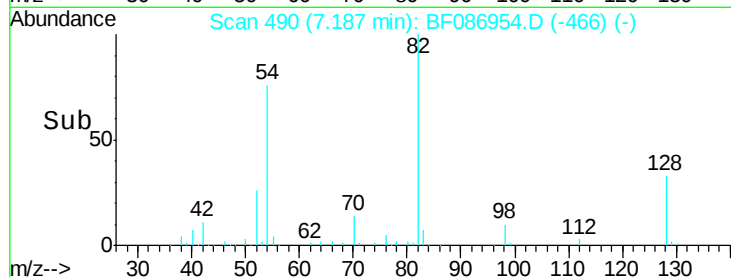
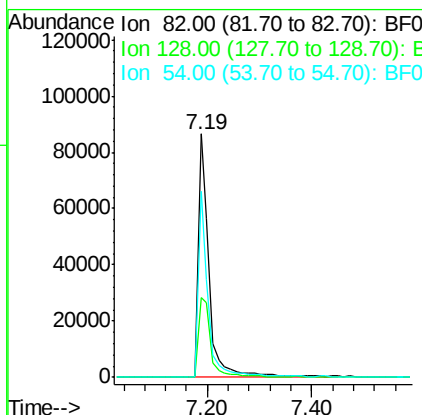
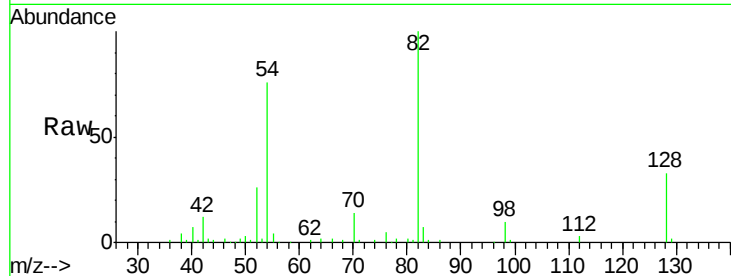
#23
 Nitrobenzene-d5
 Concen: 10.14 ng
 RT: 7.19 min Scan# 490
 Delta R.T. -0.02 min
 Lab File: BF086954.D
 Acq: 13 May 2016 2:44

Instrument :
 BNA_F
 ClientSampled :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	32.6	40.6	61.0#
54	76.2	38.1	57.1#

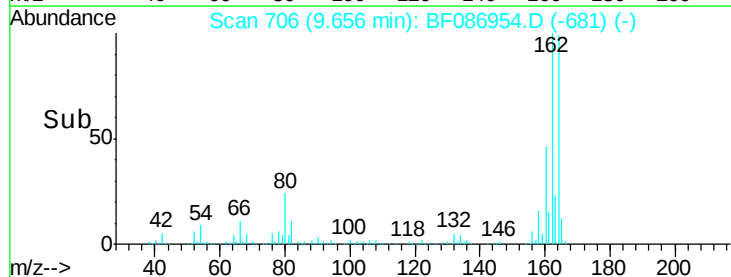
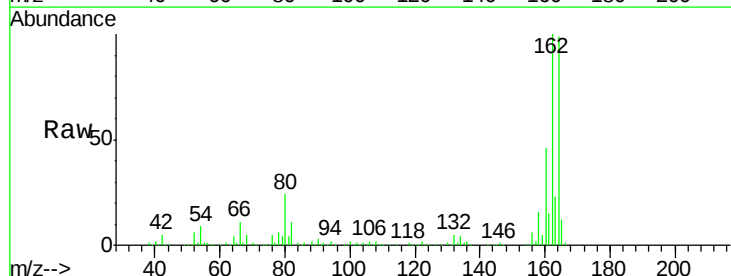
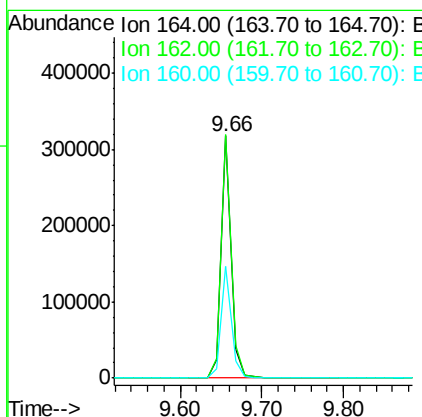
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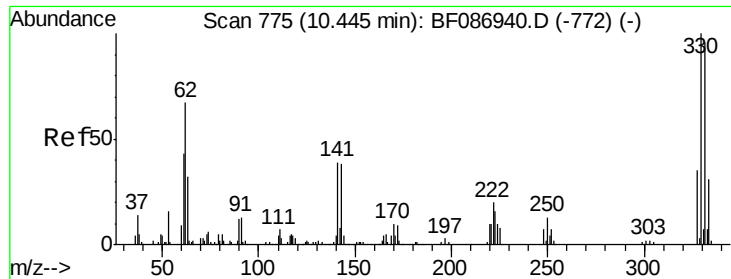
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: BF086954.D
 Acq: 13 May 2016 2:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
162	100.5	82.8	124.2
160	46.1	36.9	55.3





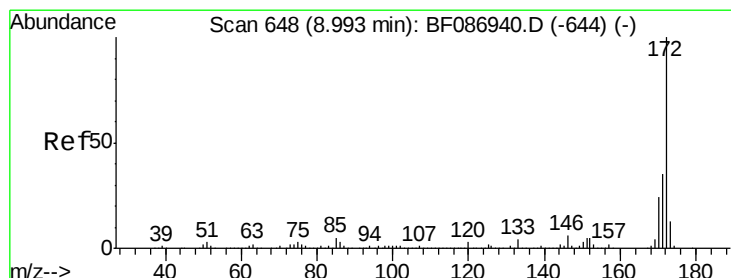
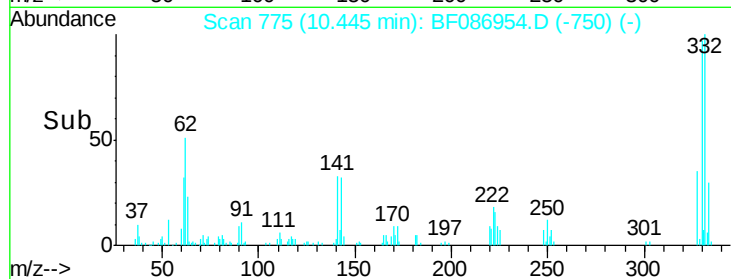
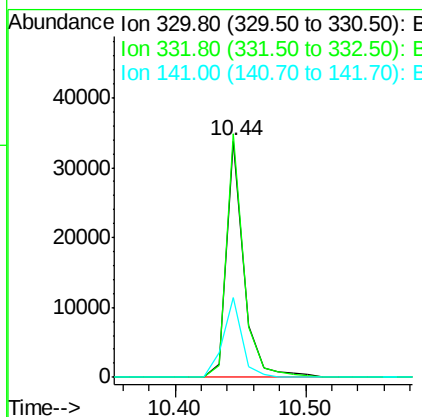
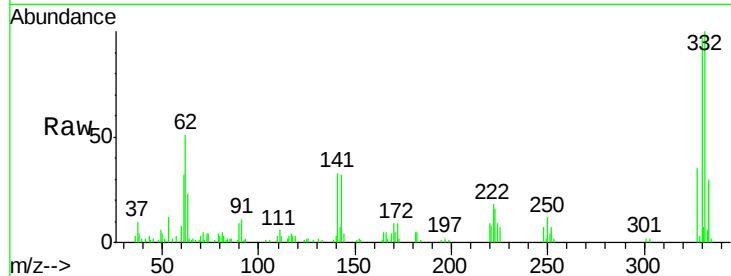
#41
 2,4,6-Tribromophenol
 Concen: 11.11 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: BF086954.D
 Acq: 13 May 2016 2:44

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
330	100	31546		
332	101.6	79.0	118.4	
141	36.7	31.2	46.8	

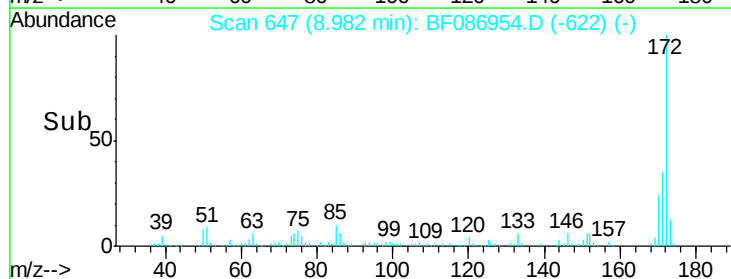
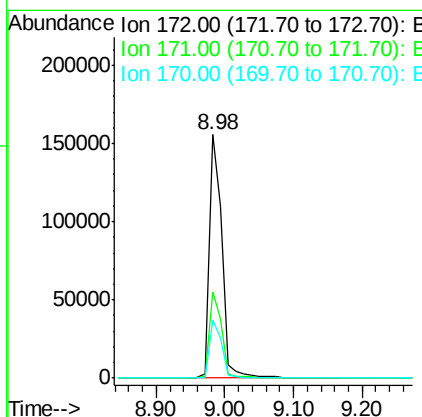
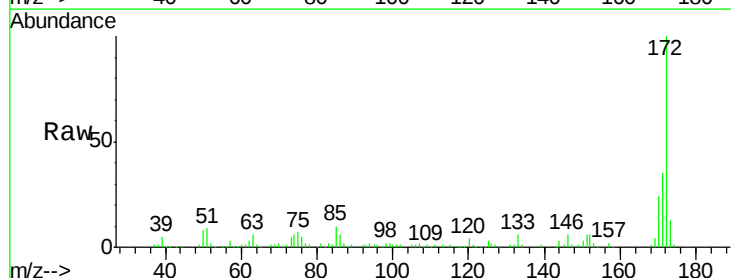
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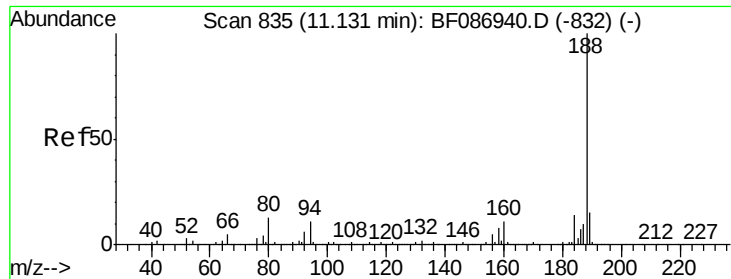
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#44
 2-Fluorobiphenyl
 Concen: 12.51 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.01 min
 Lab File: BF086954.D
 Acq: 13 May 2016 2:44

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	199635		
171	35.4	29.0	43.6	
170	23.6	19.8	29.8	





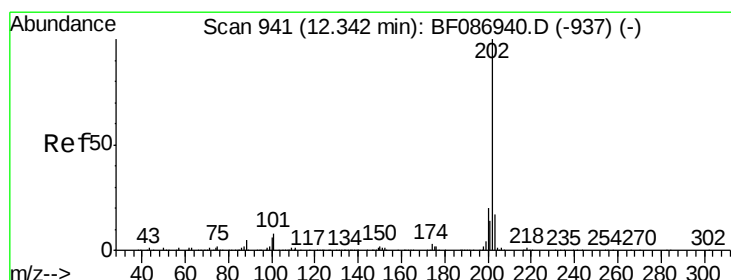
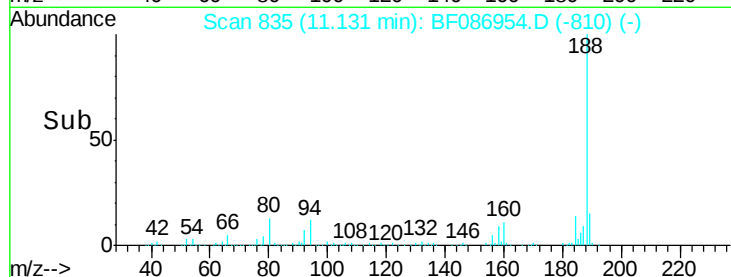
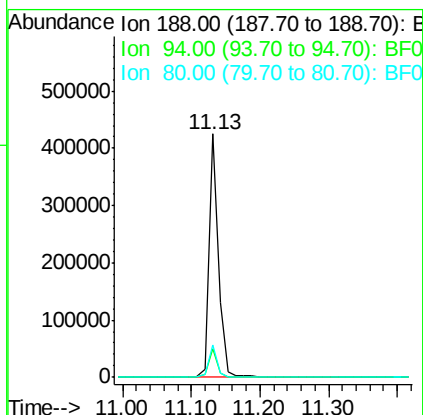
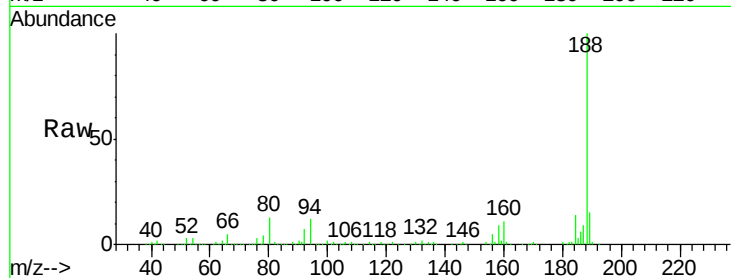
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.01 min
Lab File: BF086954.D
Acq: 13 May 2016 2:44

Instrument :
BNA_F
ClientSampleId :
DUPB

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.8	6.8	10.2#
80	13.2	7.1	10.7#

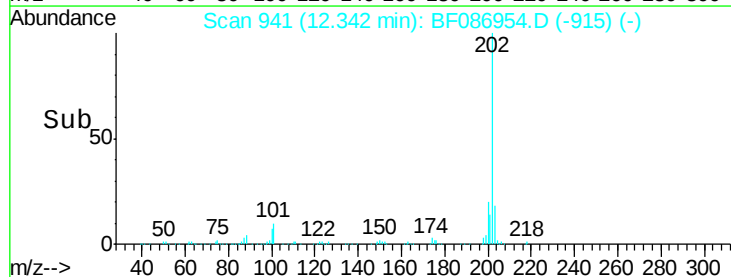
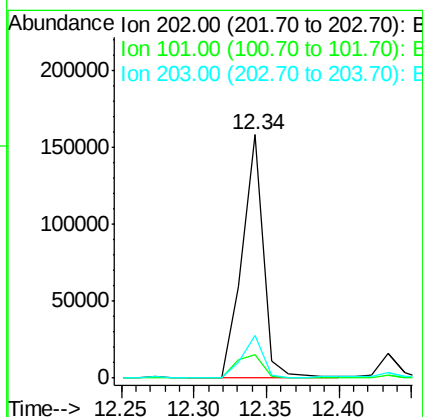
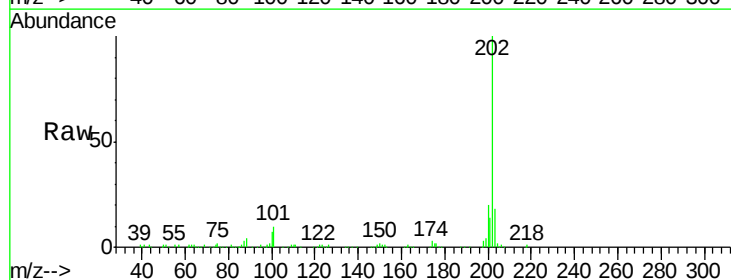
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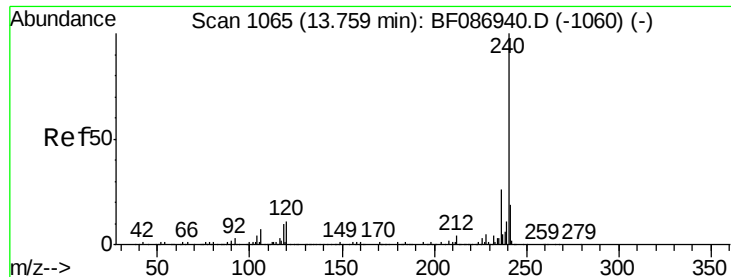
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#74
Fluoranthene
Concen: 7.22 ng
RT: 12.34 min Scan# 941
Delta R.T. 0.00 min
Lab File: BF086954.D
Acq: 13 May 2016 2:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.5	0.0	35.4
203	17.5	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: BF086954.D

Acq: 13 May 2016 2:44

Instrument :

BNA_F

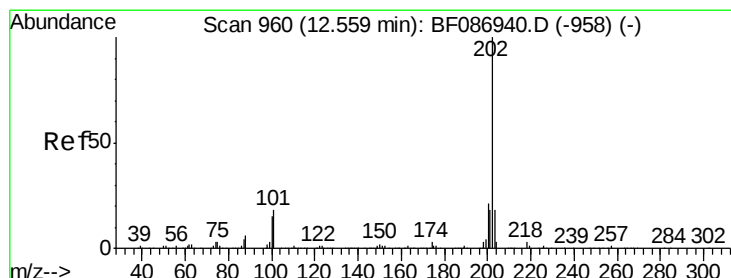
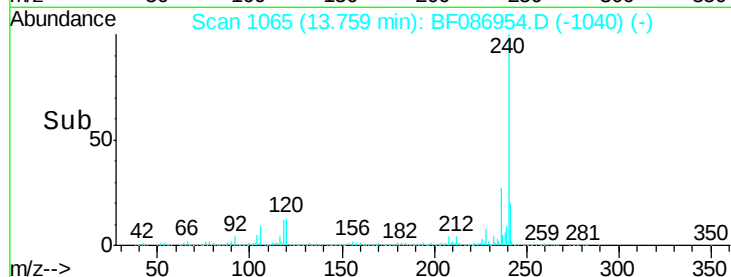
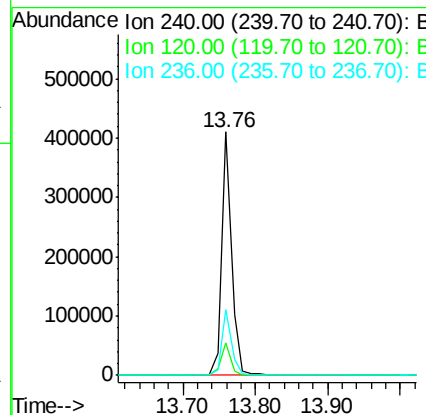
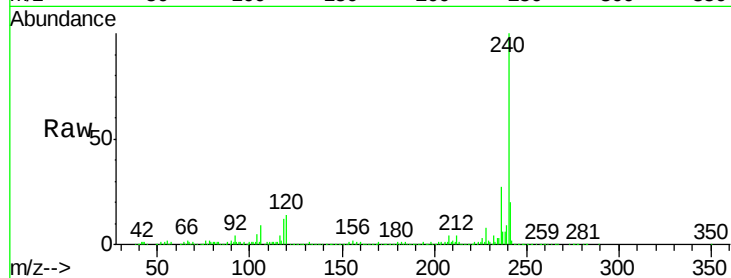
ClientSampleId :

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Tgt	Ion	240	Resp:	391339
Ion	Ratio	Lower	Upper	
240	100			
120	13.5	11.2	16.8	
236	26.9	21.2	31.8	

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#77

Pyrene

Concen: 4.43 ng

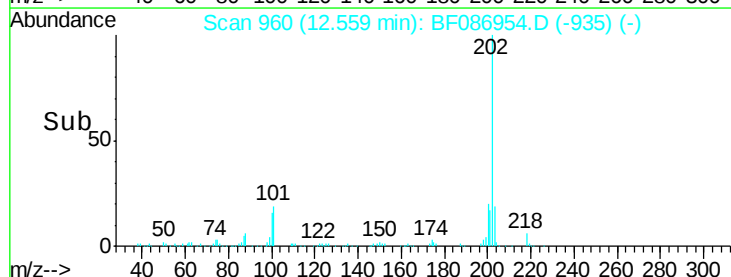
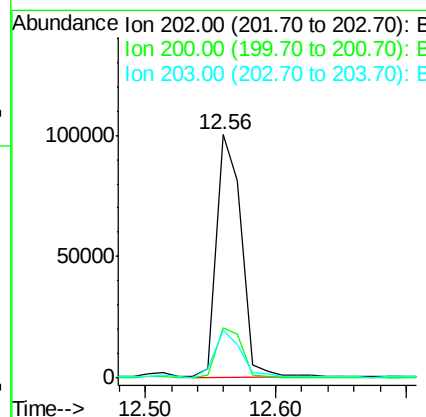
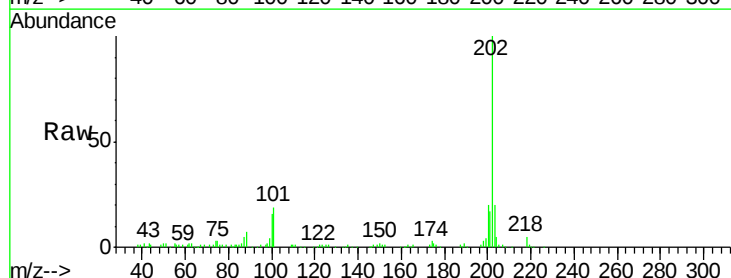
RT: 12.56 min Scan# 960

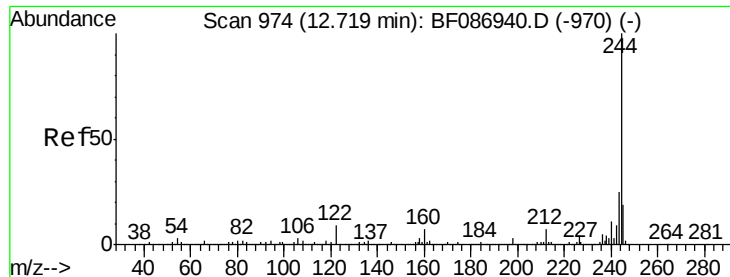
Delta R.T. -0.01 min

Lab File: BF086954.D

Acq: 13 May 2016 2:44

Tgt	Ion	202	Resp:	132874
Ion	Ratio	Lower	Upper	
202	100			
200	20.5	17.7	26.5	
203	19.7	14.2	21.4	





#78

Terphenyl-d14

Concen: 7.73 ng

RT: 12.72 min Scan# 974

Delta R.T. 0.00 min

Lab File: BF086954.D

Acq: 13 May 2016 2:44

Instrument :

BNA_F

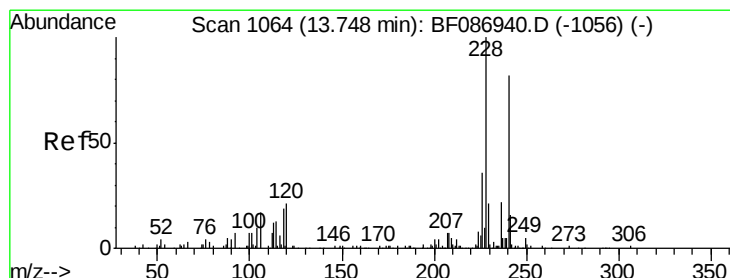
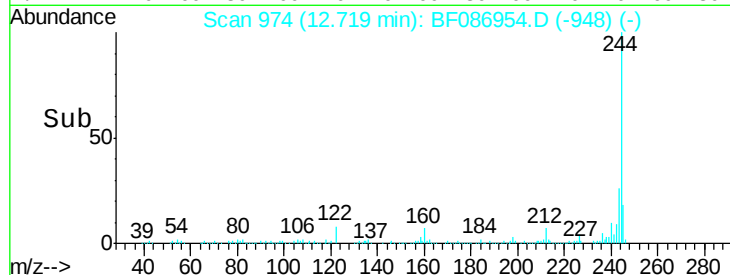
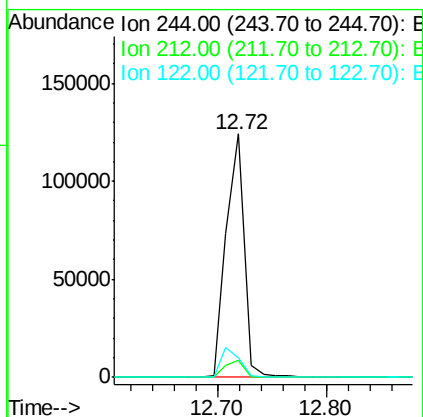
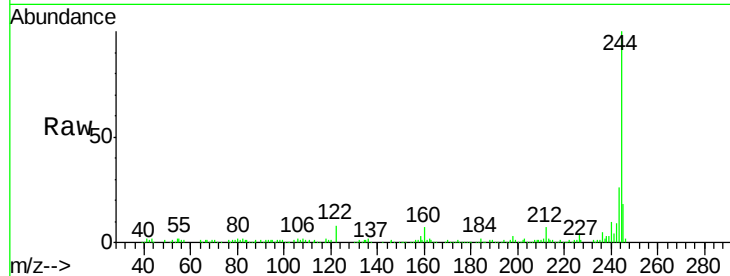
ClientSampleId :

DUPB

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	142636		
212	6.9	6.2	9.2	
122	8.0	12.0	18.0	

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#80

Benzo(a)anthracene

Concen: 4.23 ng

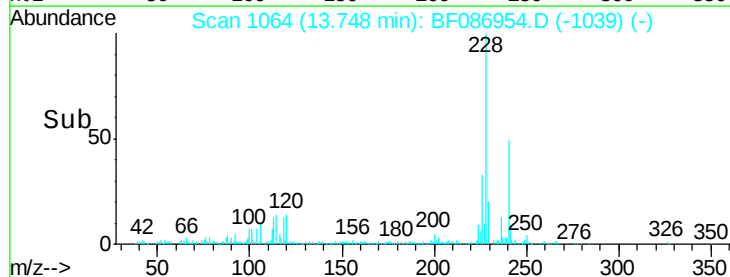
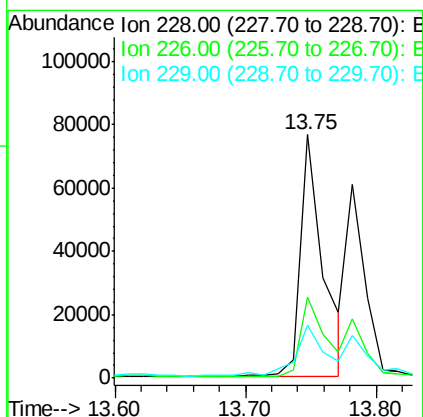
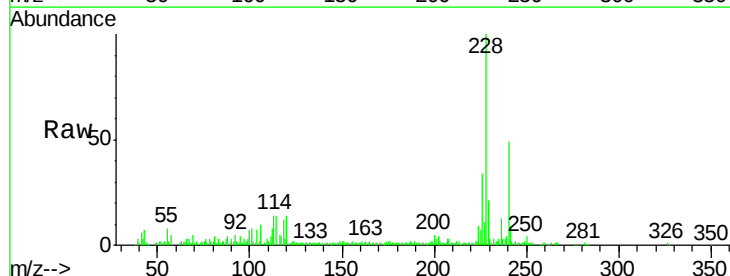
RT: 13.75 min Scan# 1064

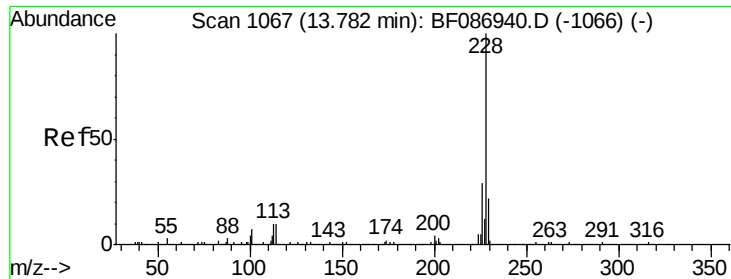
Delta R.T. -0.01 min

Lab File: BF086954.D

Acq: 13 May 2016 2:44

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	92830		
226	33.5	22.5	33.7	
229	21.5	16.6	25.0	





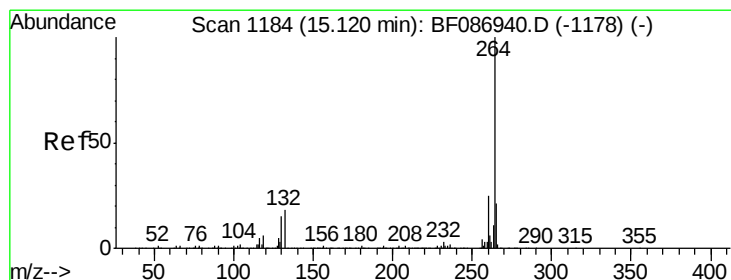
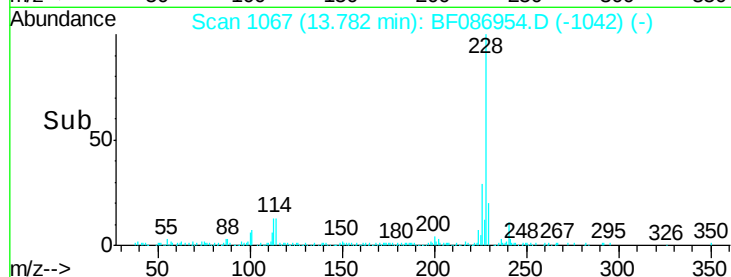
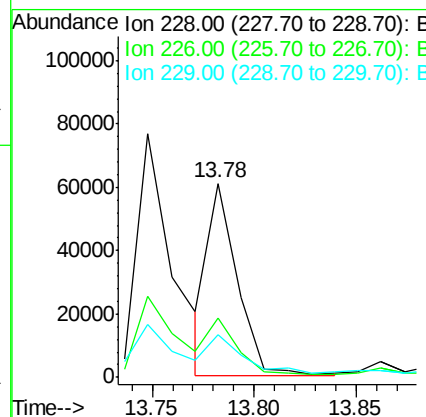
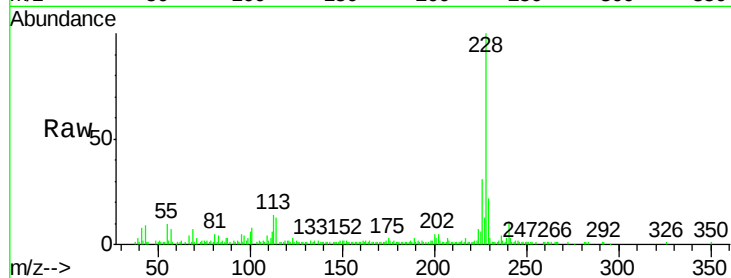
#82
Chrysene
Concen: 2.77 ng m
RT: 13.78 min Scan# 1067
Delta R.T. -0.01 min
Lab File: BF086954.D
Acq: 13 May 2016 2:44

Instrument :
BNA_F
ClientSampled :
DUPB

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	30.6	24.4	36.6
229	21.9	15.8	23.8

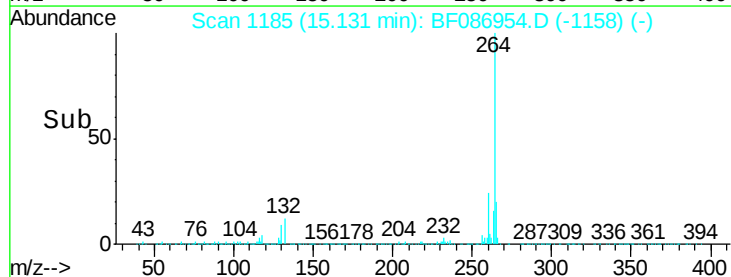
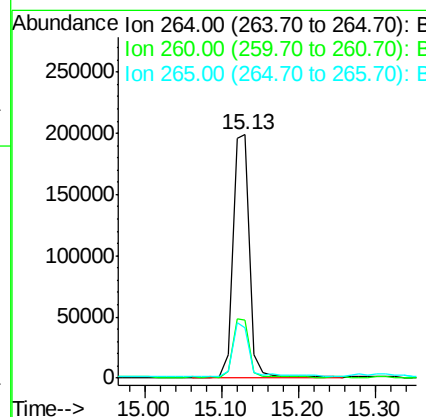
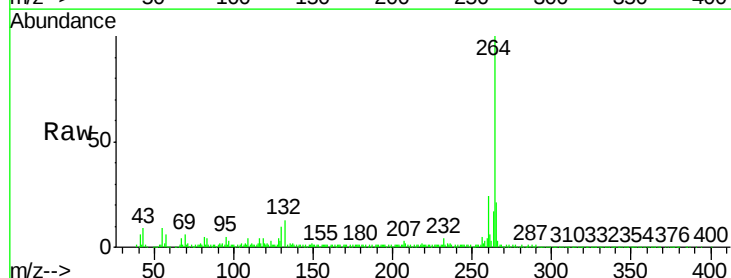
Manual Integrations
APPROVED

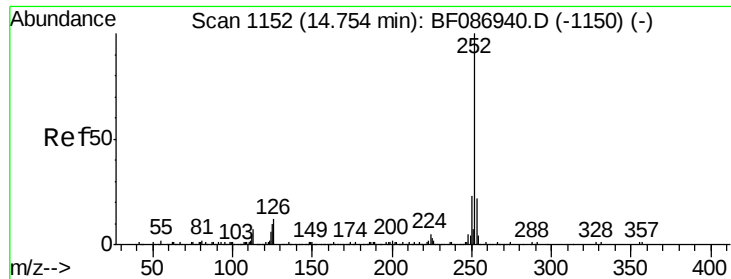
sohil
5/13/2016 8:08:20 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.13 min Scan# 1185
Delta R.T. 0.01 min
Lab File: BF086954.D
Acq: 13 May 2016 2:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.0	19.5	29.3
265	20.7	17.3	25.9





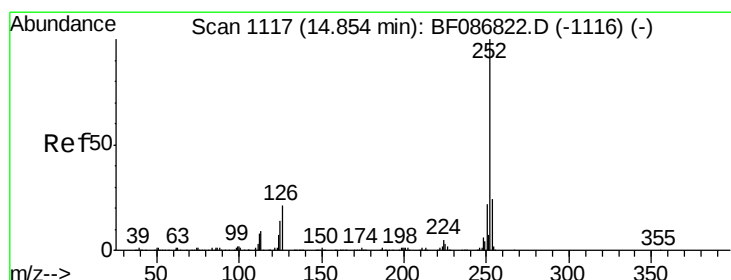
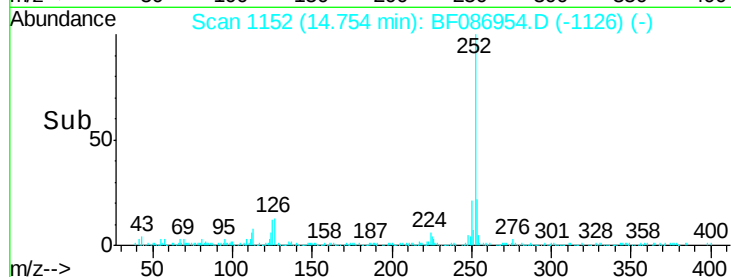
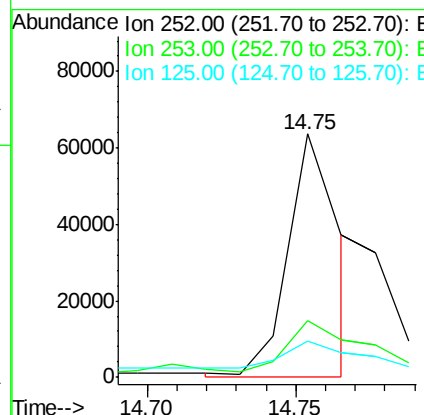
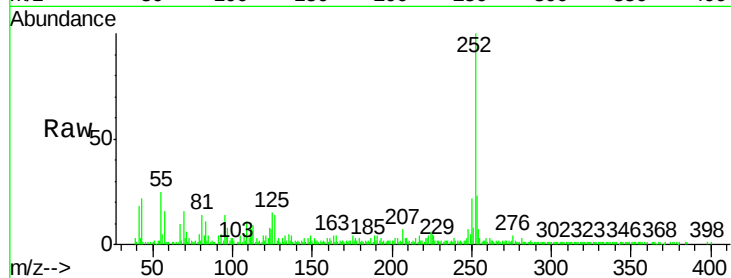
#87
Benzo(b)fluoranthene
Concen: 3.93 ng m
RT: 14.75 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BF086954.D
Acq: 13 May 2016 2:44

Instrument :
BNA_F
ClientSampleId :
DUPB

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	15.1	11.4	17.0

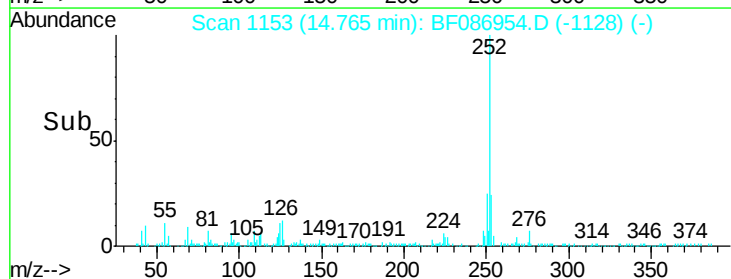
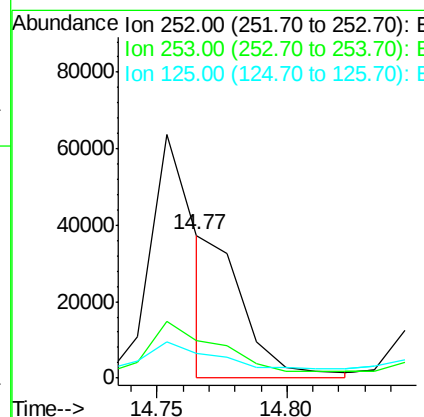
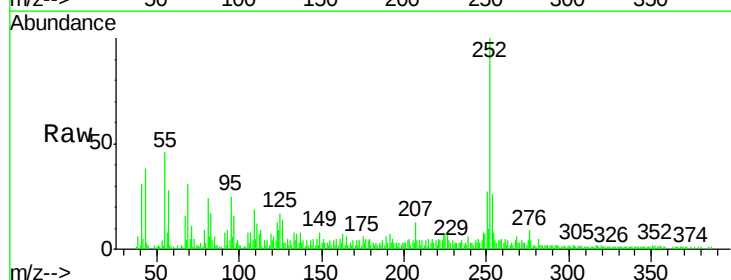
Manual Integrations
APPROVED

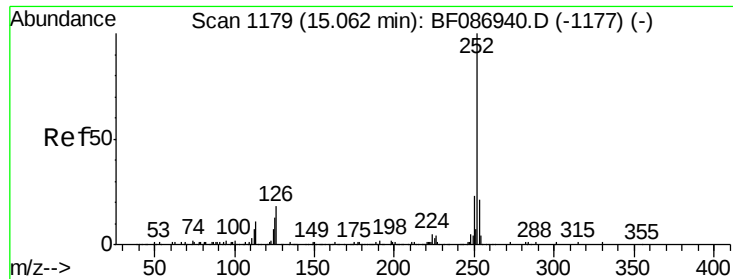
sohil
5/13/2016 8:08:20 PM



#88
Benzo(k)fluoranthene
Concen: 2.05 ng m
RT: 14.77 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF086954.D
Acq: 13 May 2016 2:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.8	26.6
125	17.3	9.1	13.7#





#89

Benzo(a)pyrene

Concen: 2.97 ng

RT: 15.07 min Scan# 1180

Delta R.T. 0.00 min

Lab File: BF086954.D

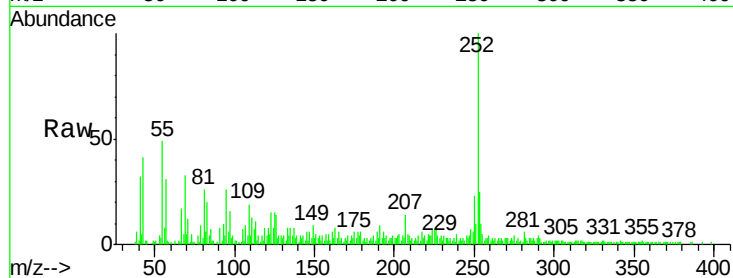
Acq: 13 May 2016 2:44

Instrument :

BNA_F

ClientSampleId :

DUPB



Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.2	25.8
125	14.9	9.0	13.6

Manual Integrations
APPROVED

sohil
5/13/2016 8:08:20 PM

