

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
 Data File : BF086941.D
 Acq On : 12 May 2016 20:22
 Operator : UM/SJ
 Sample : H2968-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-03

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Quant Time: May 13 01:45:03 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	168716	20.00	ng	-0.01
21) Naphthalene-d8	7.91	136	713861	20.00	ng	-0.01
38) Acenaphthene-d10	9.66	164	323285	20.00	ng	-0.01
63) Phenanthrene-d10	11.13	188	526786	20.00	ng	-0.01
75) Chrysene-d12	13.76	240	354213	20.00	ng	-0.01
86) Perylene-d12	15.12	264	368626	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1105790	111.00	ng	0.01
7) Phenol-d6	6.30	99	1485030	111.53	ng	0.00
23) Nitrobenzene-d5	7.20	82	1021279	71.84	ng	-0.01
41) 2,4,6-Tribromophenol	10.44	330	270161	78.94	ng	-0.01
44) 2-Fluorobiphenyl	8.99	172	1423667	74.01	ng	0.00
78) Terphenyl-d14	12.72	244	854876	51.21	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.39	163	142214	5.77	ng	98
70) Phenanthrene	11.15	178	128530	4.57	ng	99
74) Fluoranthene	12.34	202	229788	7.95	ng	90
77) Pyrene	12.56	202	194565	7.17	ng	98
80) Benzo(a)anthracene	13.75	228	108036	5.43	ng	97
82) Chrysene	13.78	228	75656	3.74	ng	98
85) Indeno(1,2,3-cd)pyrene	16.37	276	59359	3.53	ng	# 91
87) Benzo(b)fluoranthene	14.75	252	132387m	5.53	ng	
88) Benzo(k)fluoranthene	14.77	252	40985m	2.09	ng	
89) Benzo(a)pyrene	15.06	252	92180	4.46	ng	96
91) Benzo(g,h,i)perylene	16.74	276	55560	3.14	ng	# 93

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

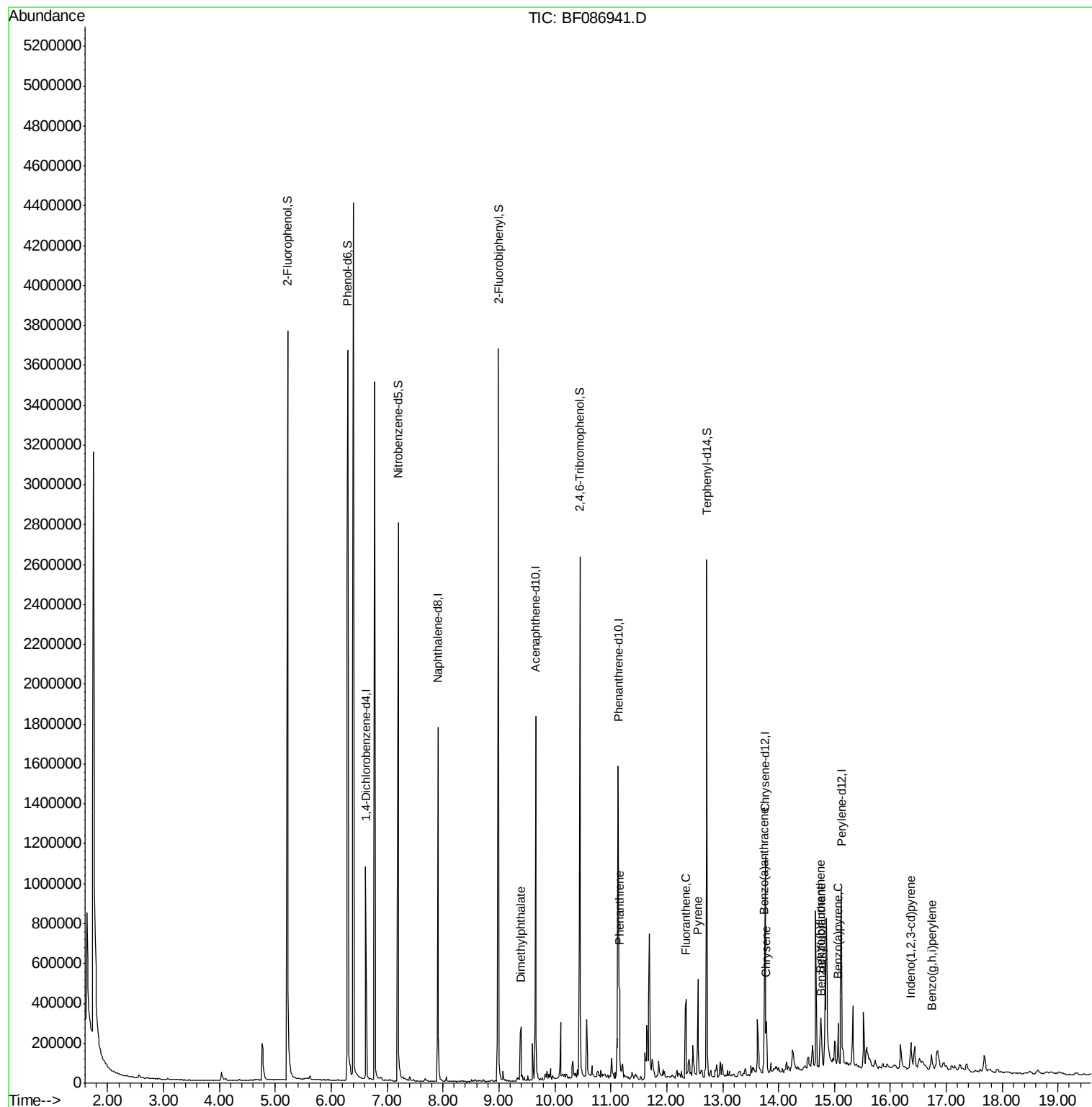
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086941.D
Acq On : 12 May 2016 20:22
Operator : UM/SJ
Sample : H2968-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

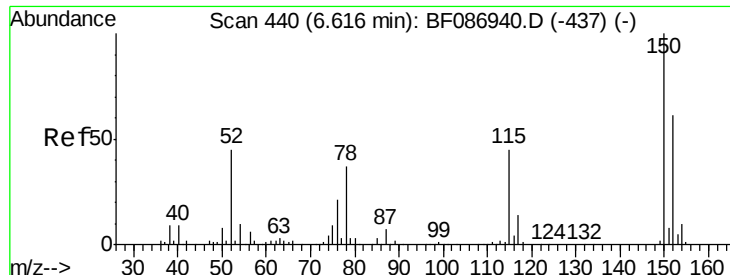
Instrument :
BNA_F
ClientSampleId :
SS-03

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Quant Time: May 13 01:45:03 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





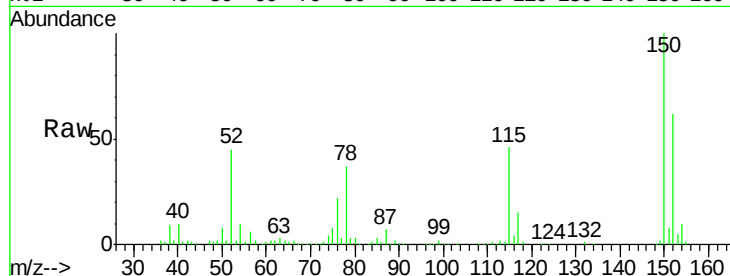
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.62 min Scan# 440
 Delta R.T. -0.01 min
 Lab File: BF086941.D
 Acq: 12 May 2016 20:22

Instrument :
 BNA_F
 ClientSampled :
 SS-03

Tgt Ion	Ratio	Lower	Upper
152	100		
150	161.5	125.8	188.6
115	74.0	51.5	77.3

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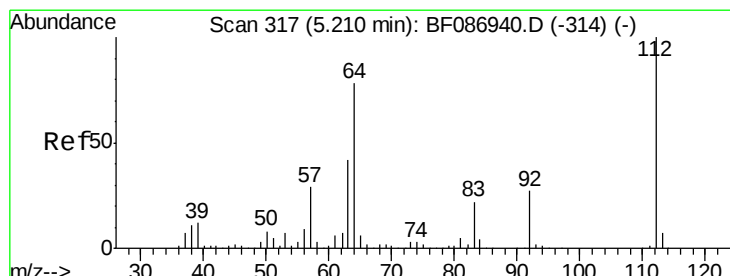
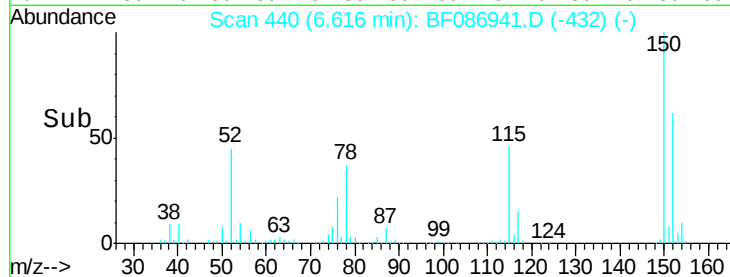
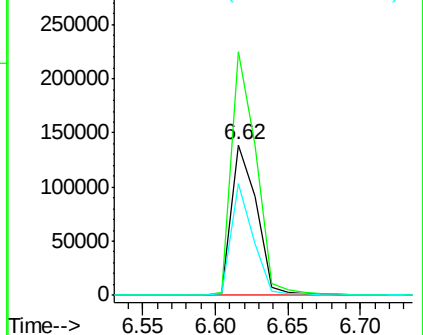


Abundance

Ion 152.00 (151.70 to 152.70): E

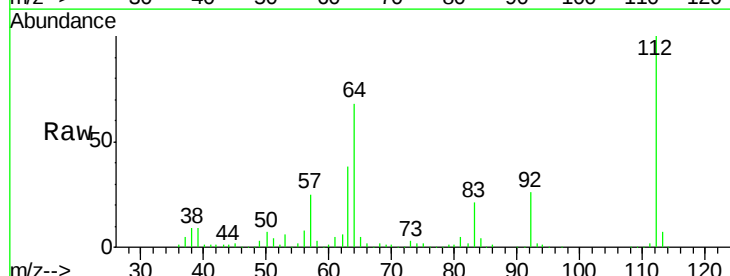
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 111.00 ng
 RT: 5.22 min Scan# 318
 Delta R.T. 0.01 min
 Lab File: BF086941.D
 Acq: 12 May 2016 20:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.3	52.1	78.1
63	37.7	25.7	38.5

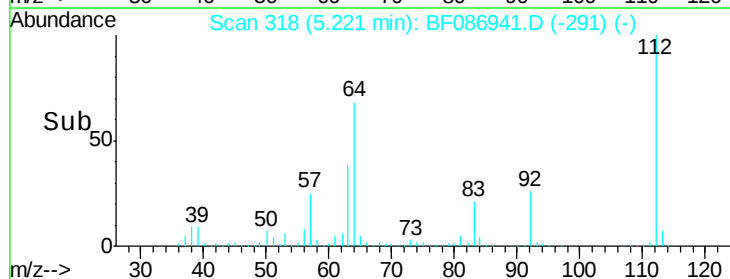
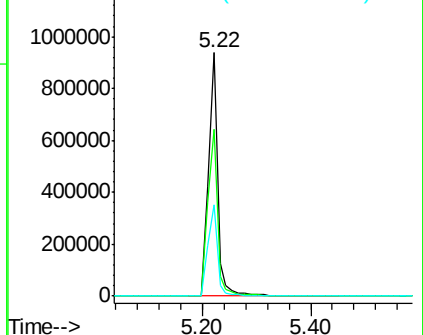


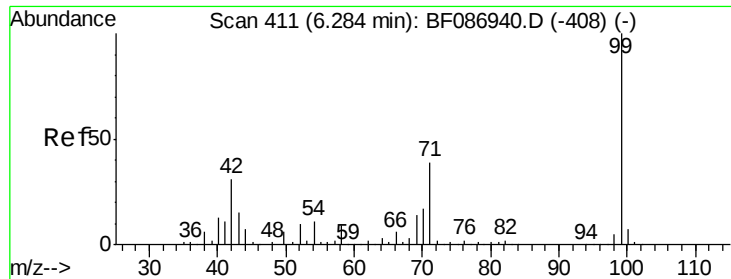
Abundance

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: 111.53 ng

RT: 6.30 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF086941.D

Acq: 12 May 2016 20:22

Instrument :

BNA_F

ClientSampleId :

SS-03

Tgt Ion: 99 Resp: 1485030

Ion Ratio Lower Upper

99 100

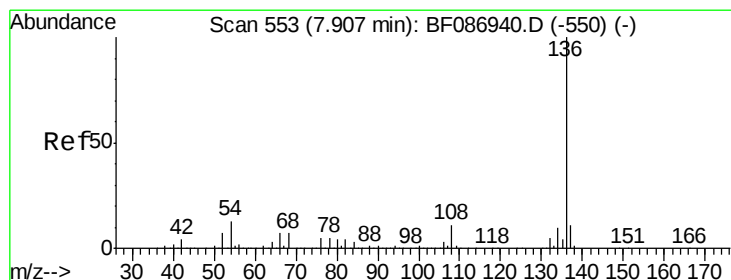
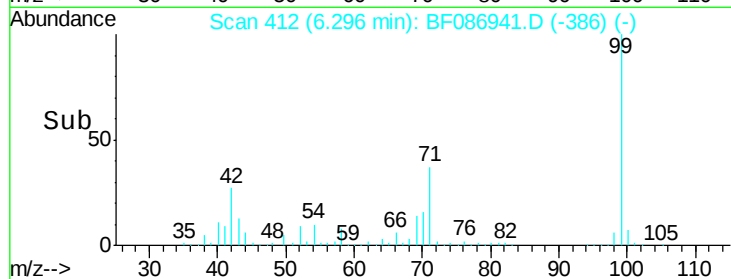
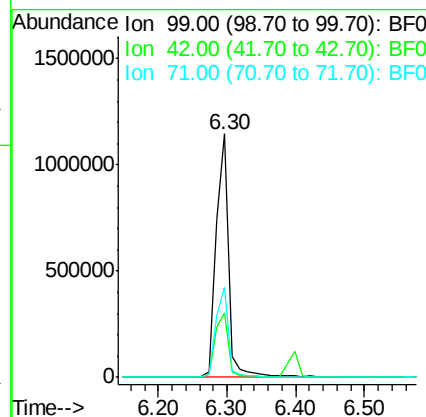
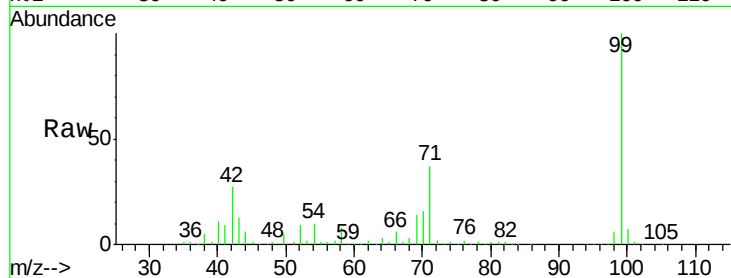
42 26.7 13.6 20.4#

71 36.9 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: BF086941.D

Acq: 12 May 2016 20:22

Tgt Ion: 136 Resp: 713861

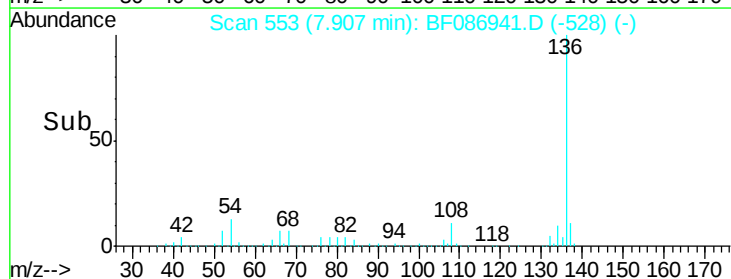
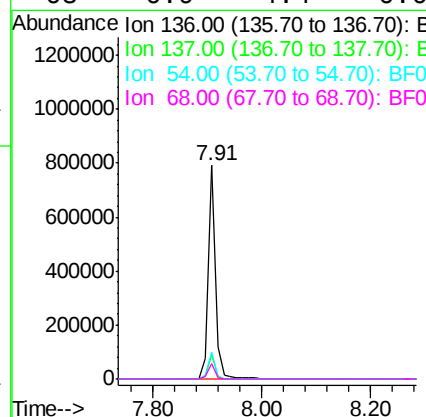
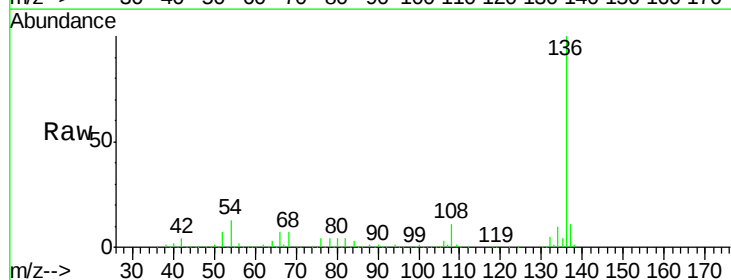
Ion Ratio Lower Upper

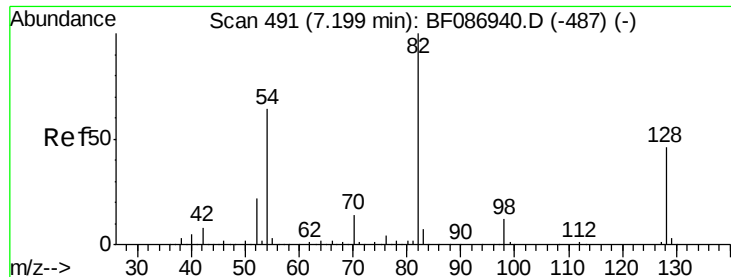
136 100

137 11.4 8.8 13.2

54 12.8 5.0 7.4#

68 6.9 4.4 6.6#





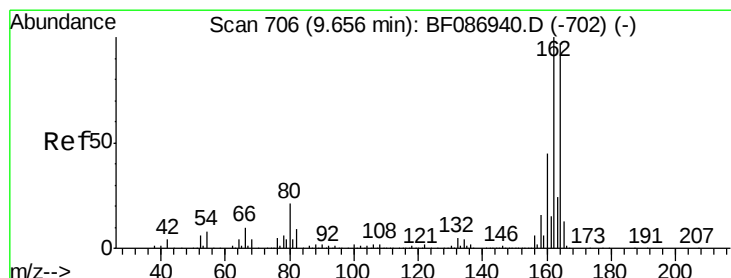
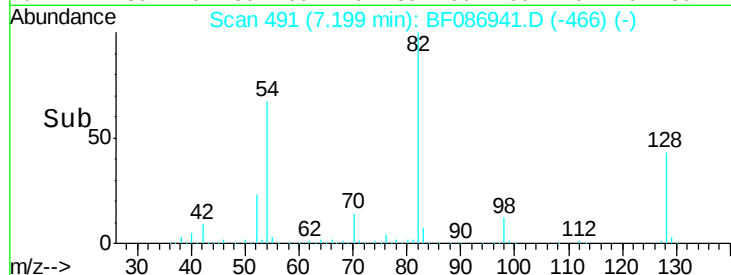
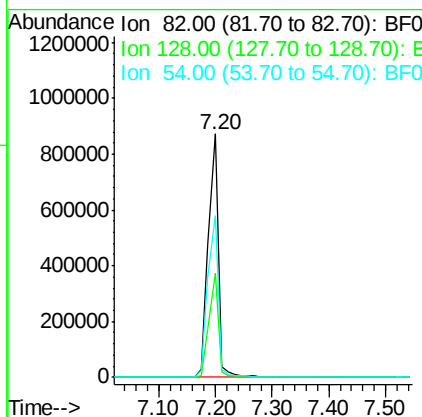
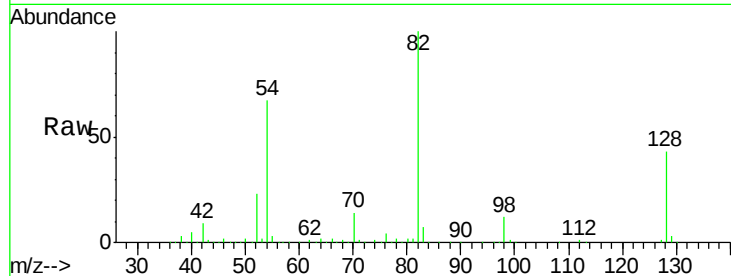
#23
 Nitrobenzene-d5
 Concen: 71.84 ng
 RT: 7.20 min Scan# 491
 Delta R.T. -0.01 min
 Lab File: BF086941.D
 Acq: 12 May 2016 20:22

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion: 82 Resp: 1021279
 Ion Ratio Lower Upper
 82 100
 128 42.6 40.6 61.0
 54 66.6 38.1 57.1#

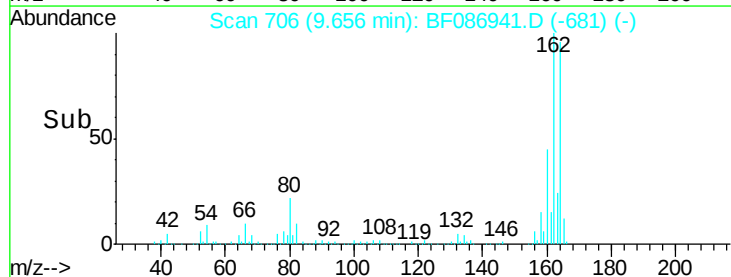
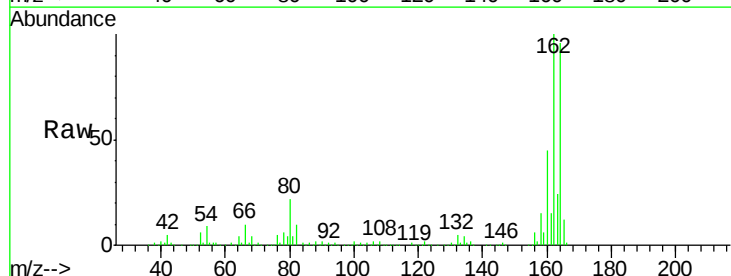
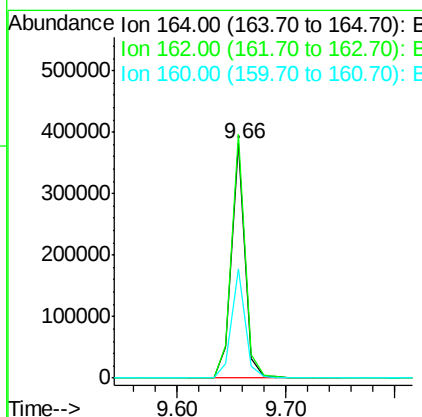
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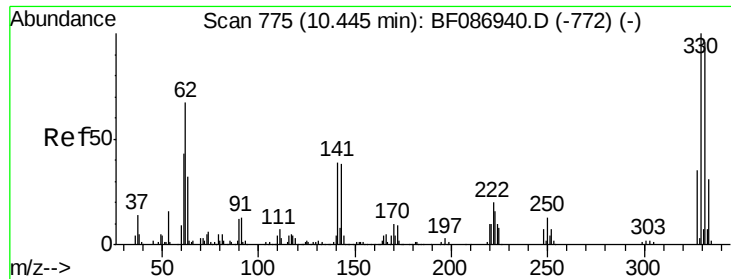
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: BF086941.D
 Acq: 12 May 2016 20:22

Tgt Ion: 164 Resp: 323285
 Ion Ratio Lower Upper
 164 100
 162 104.0 82.8 124.2
 160 46.5 36.9 55.3





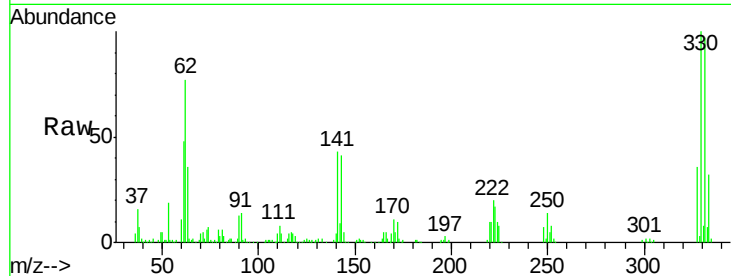
#41
 2,4,6-Tribromophenol
 Concen: 78.94 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: BF086941.D
 Acq: 12 May 2016 20:22

Instrument :
 BNA_F
 ClientSampled :
 SS-03

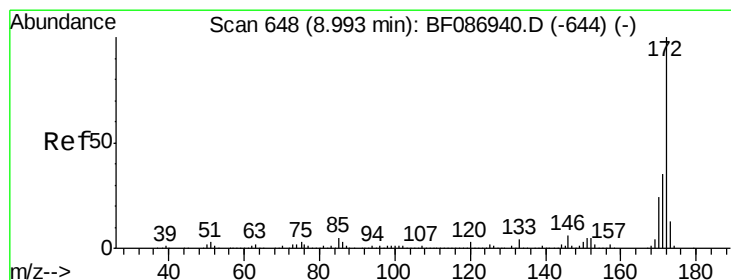
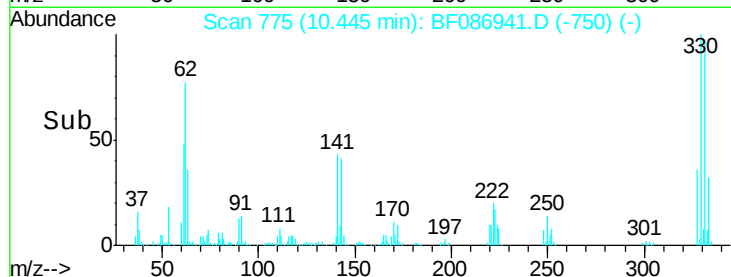
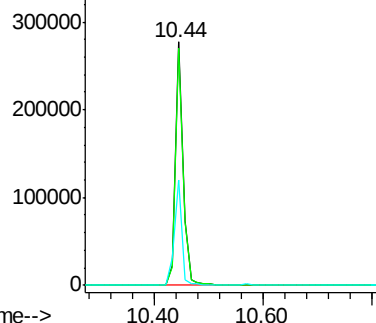
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	270161		
332	97.0	79.0	118.4	
141	41.7	31.2	46.8	

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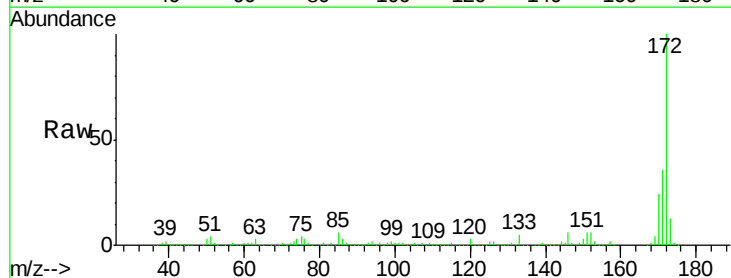


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

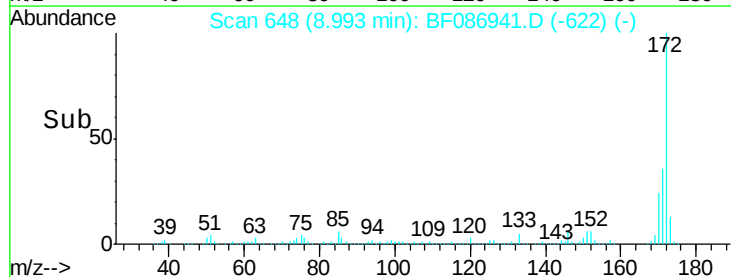
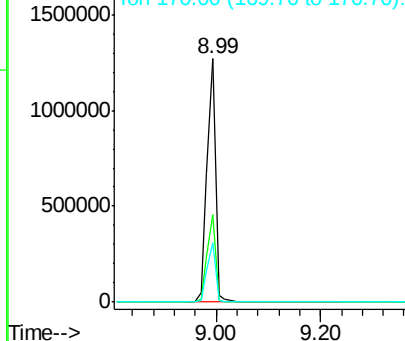


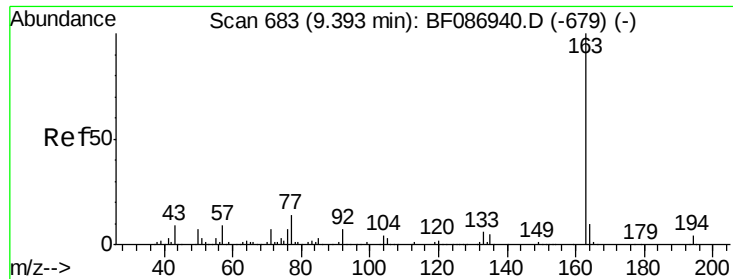
#44
 2-Fluorobiphenyl
 Concen: 74.01 ng
 RT: 8.99 min Scan# 648
 Delta R.T. 0.00 min
 Lab File: BF086941.D
 Acq: 12 May 2016 20:22

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1423667		
171	36.1	29.0	43.6	
170	24.3	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





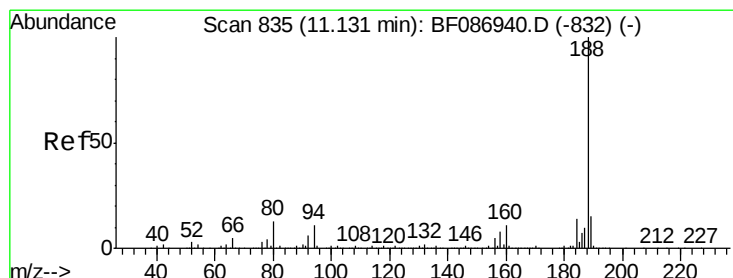
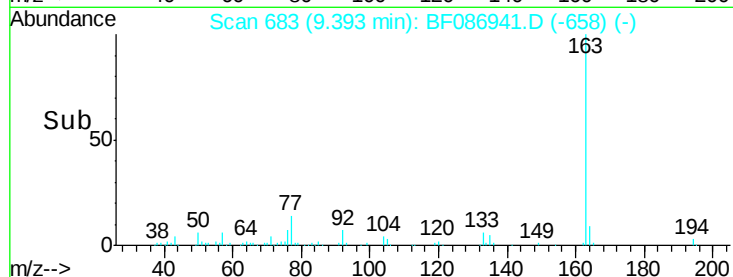
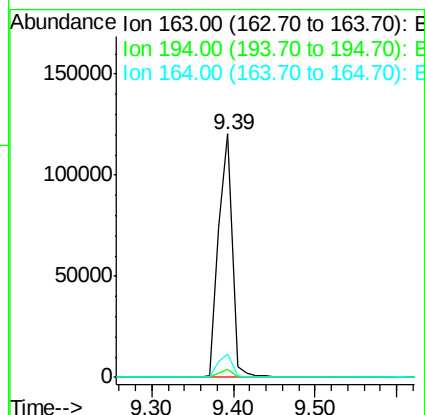
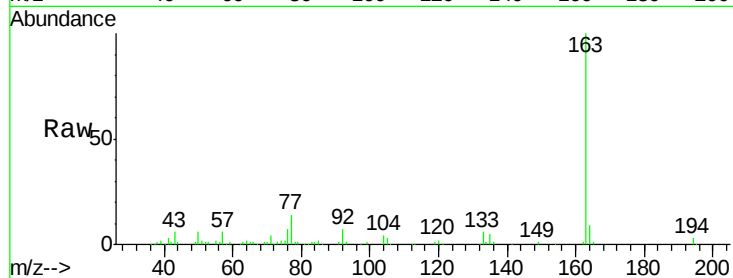
#49
Dimethylphthalate
Concen: 5.77 ng
RT: 9.39 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF086941.D
Acq: 12 May 2016 20:22

Instrument :
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ClientSampleId :
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Tgt Ion:	163	Resp:	142214
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.6	4.0
164	9.4	8.2	12.4

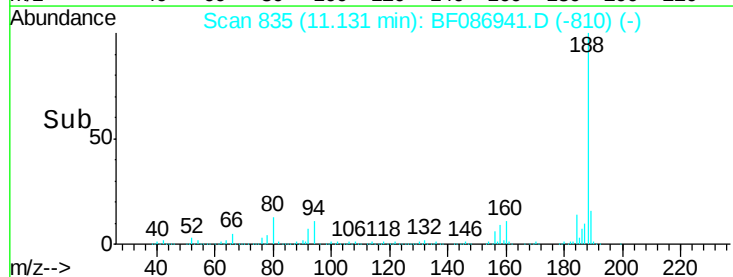
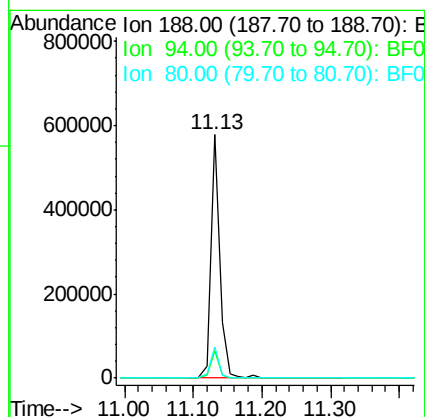
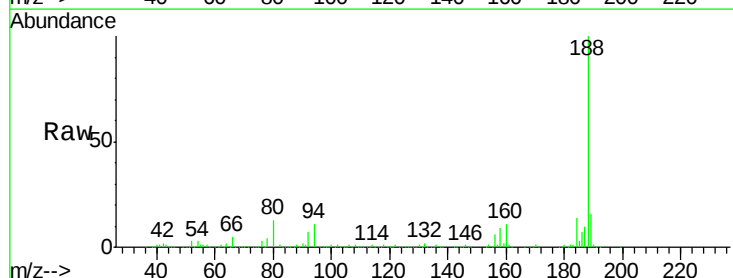
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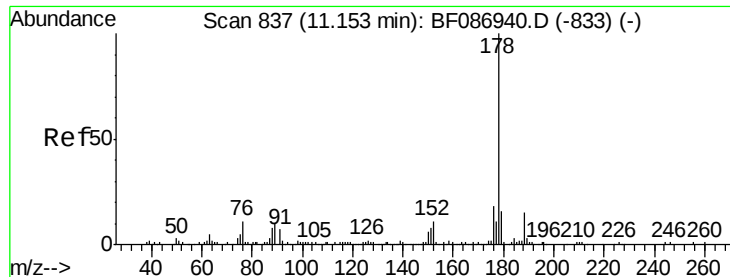
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.01 min
Lab File: BF086941.D
Acq: 12 May 2016 20:22

Tgt Ion:	188	Resp:	526786
Ion Ratio	Lower	Upper	
188	100		
94	11.4	6.8	10.2#
80	12.8	7.1	10.7#





#70

Phenanthrene

Concen: 4.57 ng

RT: 11.15 min Scan# 837

Delta R.T. -0.01 min

Lab File: BF086941.D

Acq: 12 May 2016 20:22

Instrument :

BNA_F

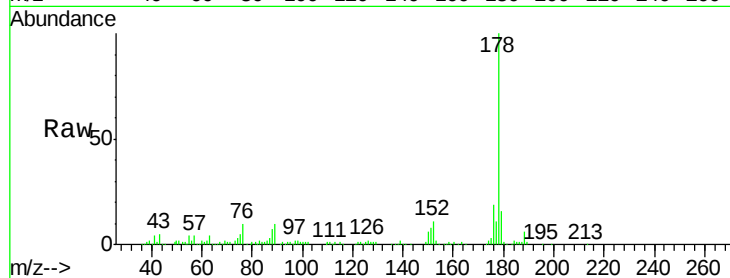
ClientSampleId :

SS-03

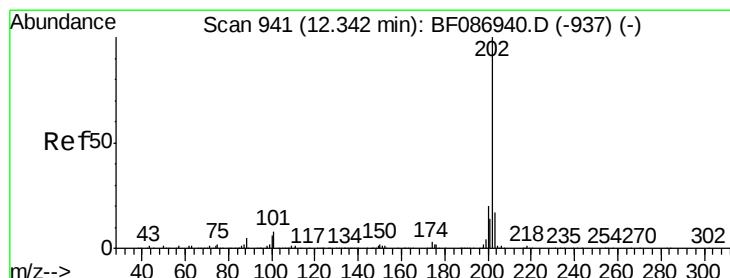
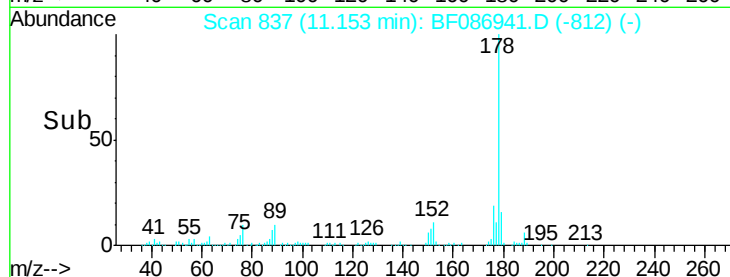
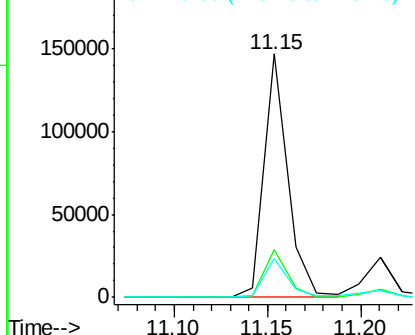
Tgt Ion:	178	Resp:	128530
Ion Ratio		Lower	Upper
178	100		
176	19.4	16.0	24.0
179	15.9	12.6	18.8

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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: 7.95 ng

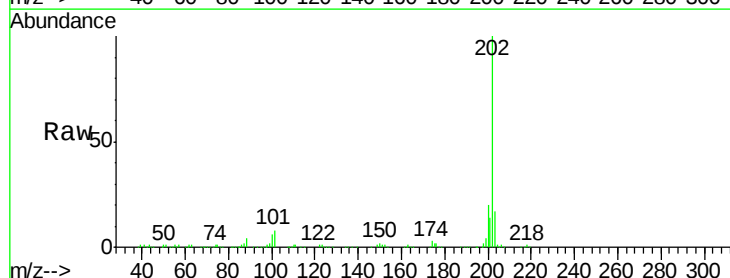
RT: 12.34 min Scan# 941

Delta R.T. 0.00 min

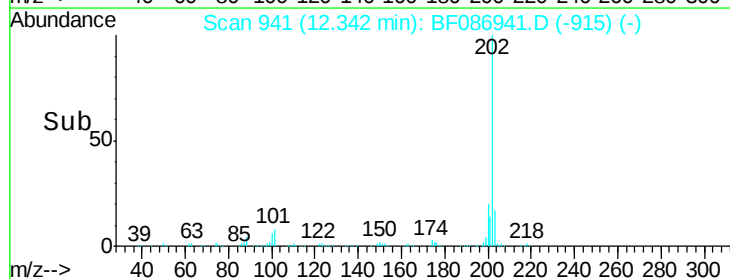
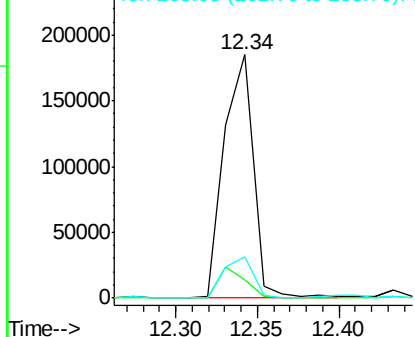
Lab File: BF086941.D

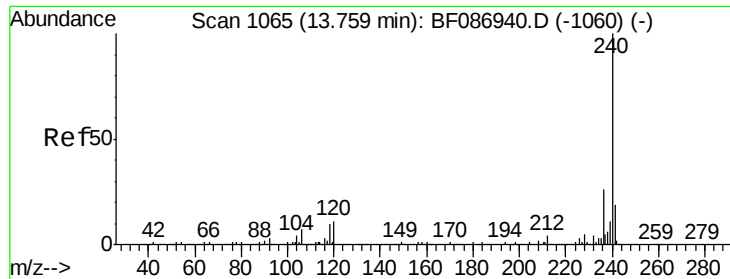
Acq: 12 May 2016 20:22

Tgt Ion:	202	Resp:	229788
Ion Ratio		Lower	Upper
202	100		
101	7.7	0.0	35.4
203	17.1	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.01 min

Lab File: BF086941.D

Acq: 12 May 2016 20:22

Instrument :

BNA_F

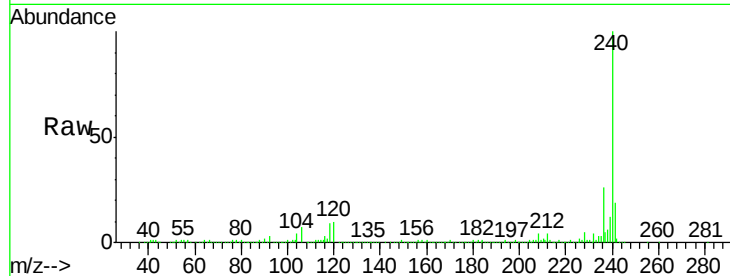
ClientSampled :

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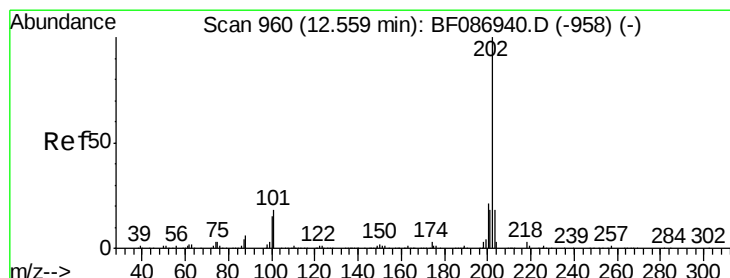
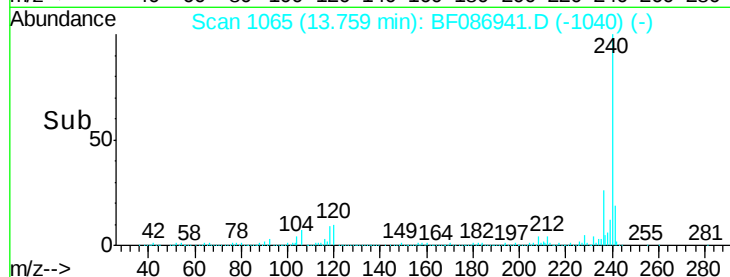
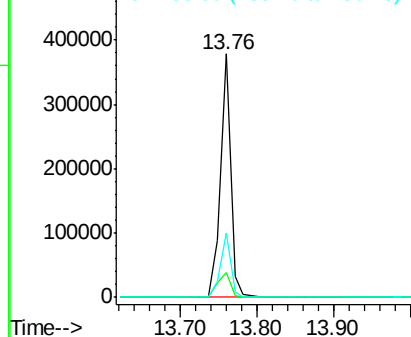
Tgt Ion:	240	Resp:	354213
Ion Ratio	Lower	Upper	
240	100		
120	10.3	11.2	16.8#
236	26.3	21.2	31.8

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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



#77

Pyrene

Concen: 7.17 ng

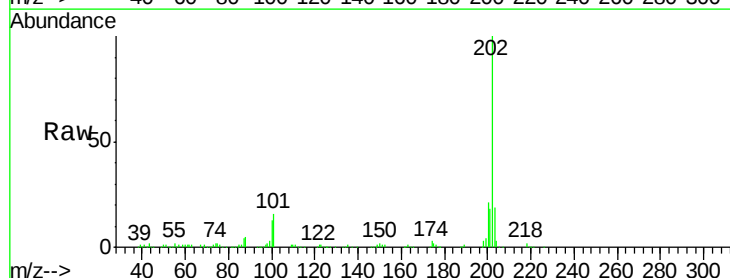
RT: 12.56 min Scan# 960

Delta R.T. -0.01 min

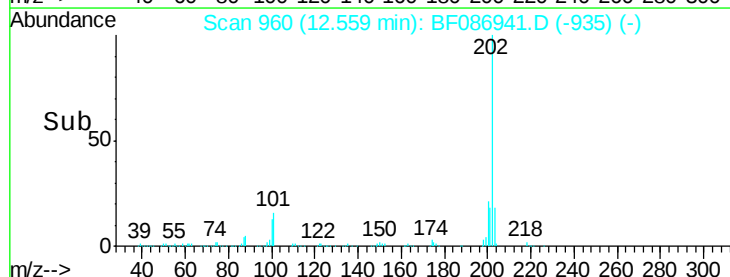
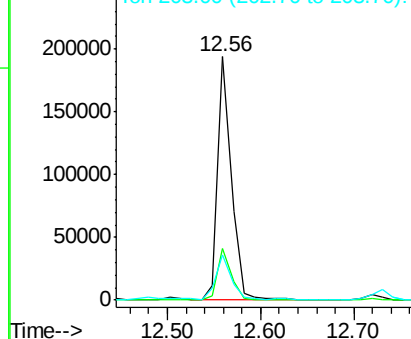
Lab File: BF086941.D

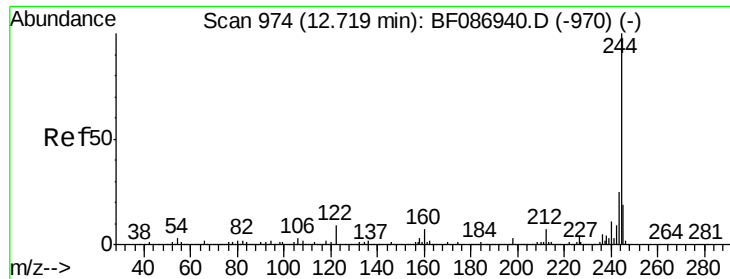
Acq: 12 May 2016 20:22

Tgt Ion:	202	Resp:	194565
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.7	26.5
203	18.5	14.2	21.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 51.21 ng

RT: 12.72 min Scan# 974

Delta R.T. 0.00 min

Lab File: BF086941.D

Acq: 12 May 2016 20:22

Instrument :

BNA_F

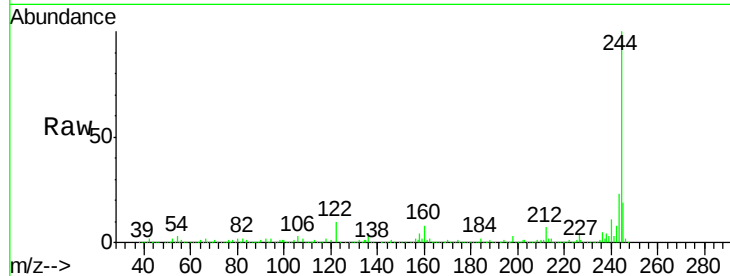
ClientSampled :

SS-03

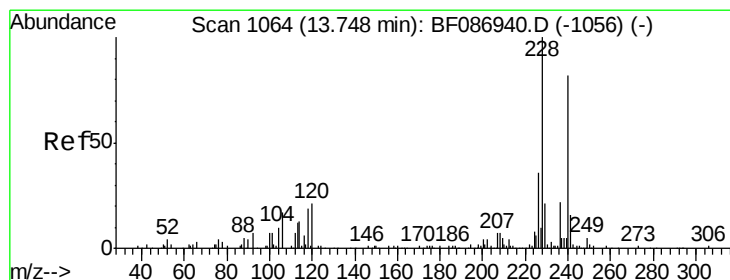
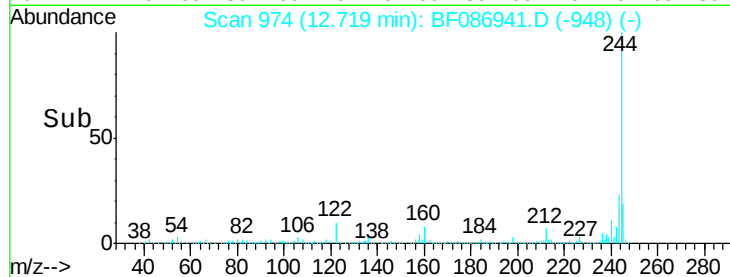
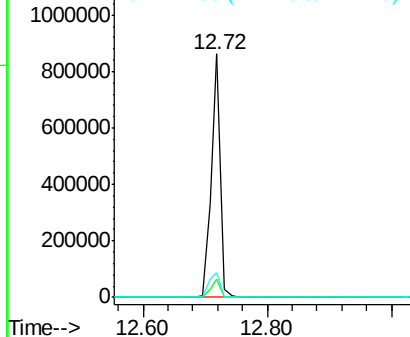
Tgt Ion:	244	Resp:	854876
Ion Ratio	Lower	Upper	
244	100		
212	7.5	6.2	9.2
122	10.4	12.0	18.0#

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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



#80

Benzo(a)anthracene

Concen: 5.43 ng

RT: 13.75 min Scan# 1064

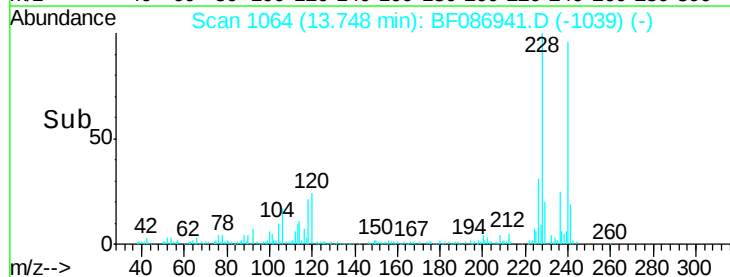
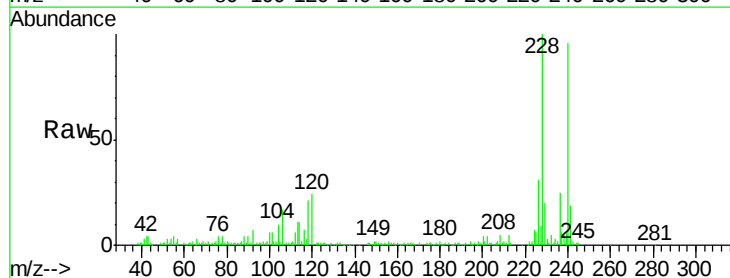
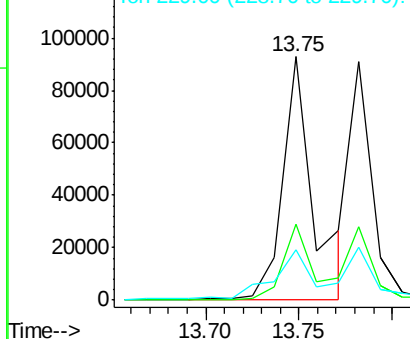
Delta R.T. -0.01 min

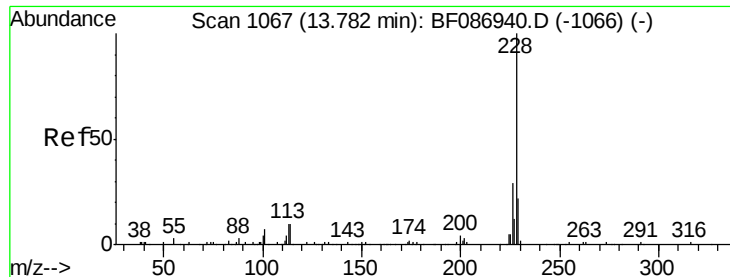
Lab File: BF086941.D

Acq: 12 May 2016 20:22

Tgt Ion:	228	Resp:	108036
Ion Ratio	Lower	Upper	
228	100		
226	30.9	22.5	33.7
229	20.4	16.6	25.0

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





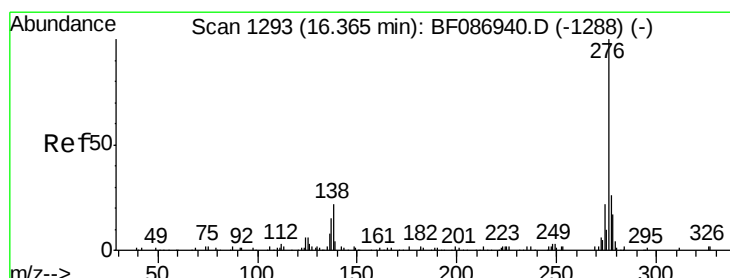
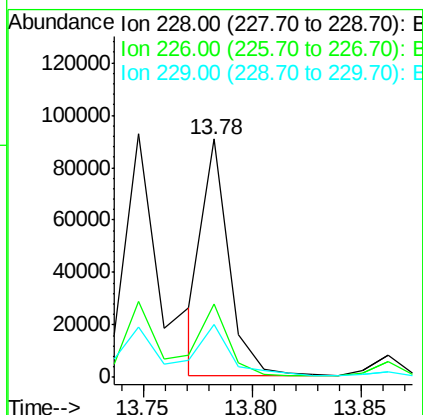
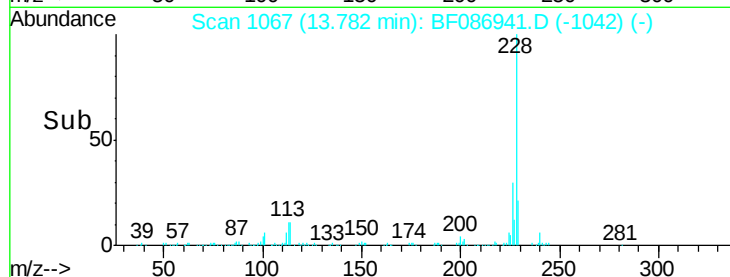
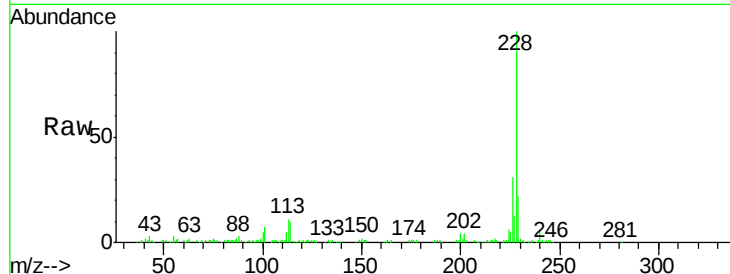
#82
Chrysene
Concen: 3.74 ng
RT: 13.78 min Scan# 1067
Delta R.T. -0.01 min
Lab File: BF086941.D
Acq: 12 May 2016 20:22

Instrument :
BNA_F
ClientSampleId :
SS-03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.4	36.6
229	22.0	15.8	23.8

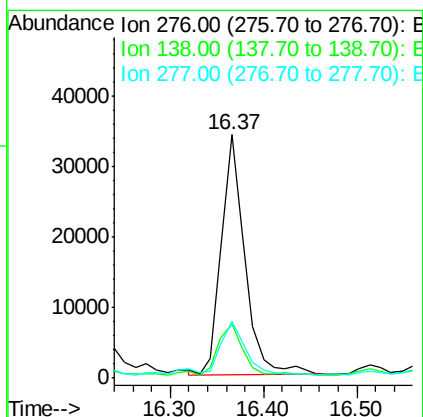
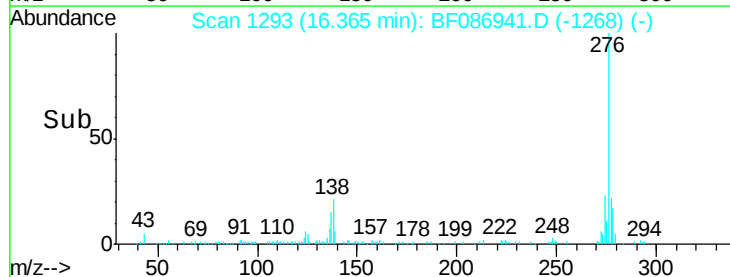
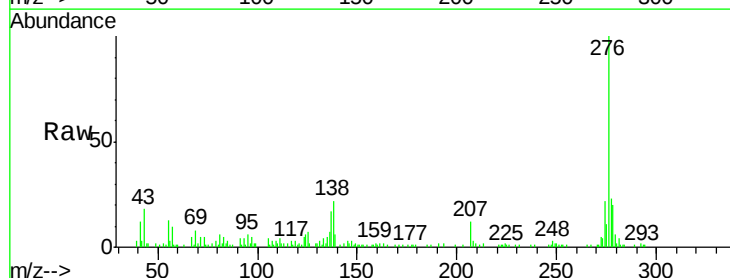
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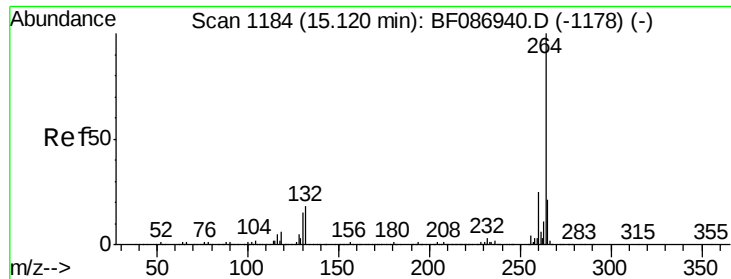
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.53 ng
RT: 16.37 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF086941.D
Acq: 12 May 2016 20:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.2	25.6	38.4#
277	25.5	20.5	30.7





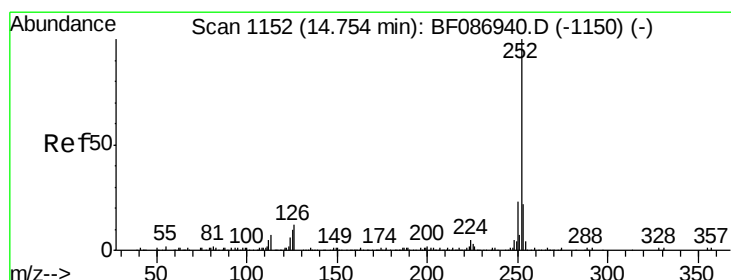
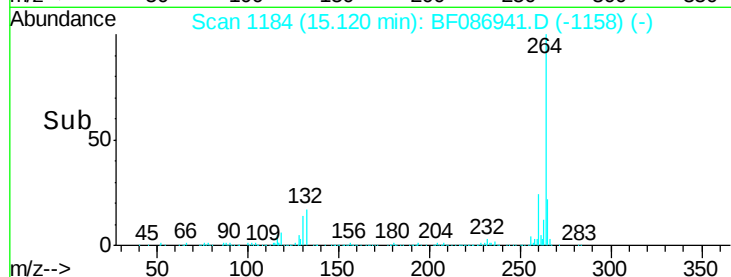
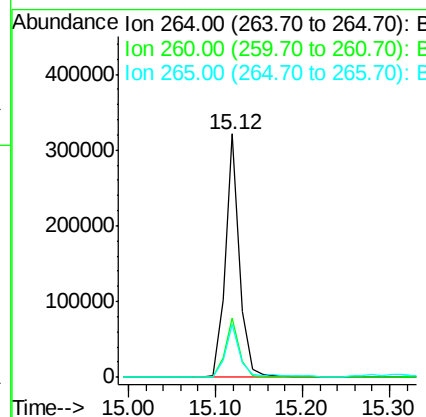
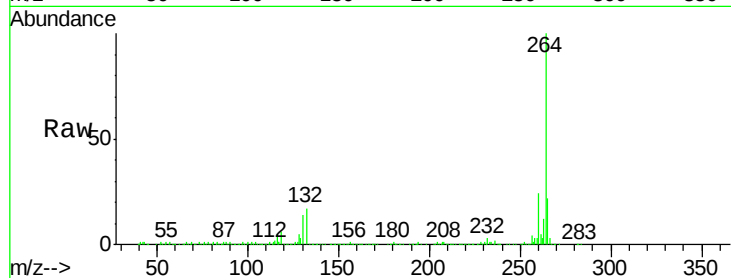
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.12 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF086941.D
Acq: 12 May 2016 20:22

Instrument :
BNA_F
ClientSampleId :
SS-03

Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.2	19.5	29.3	
265	21.7	17.3	25.9	

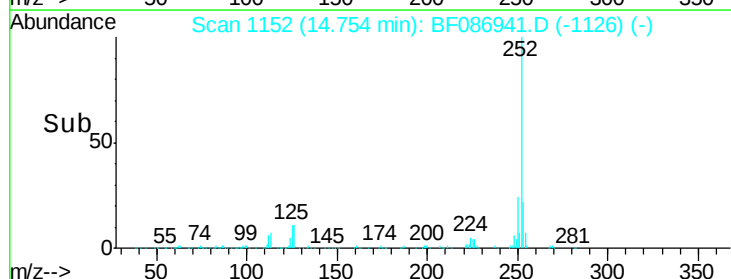
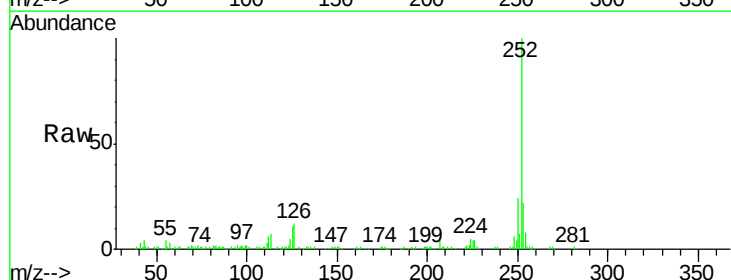
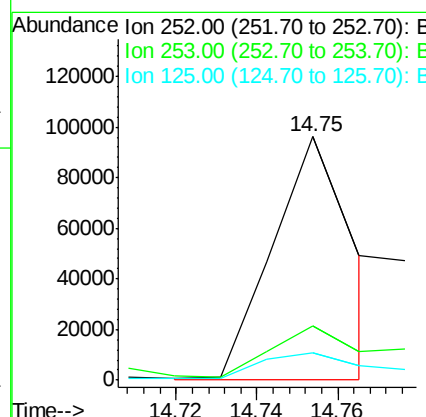
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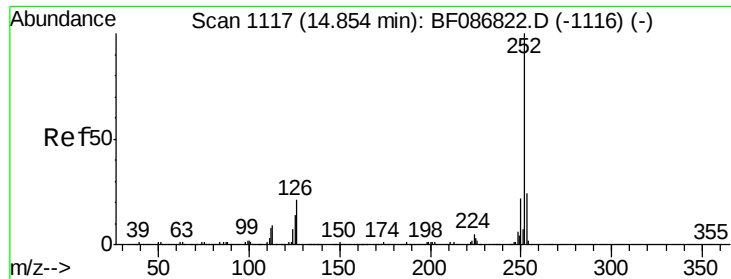
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#87
Benzo(b)fluoranthene
Concen: 5.53 ng m
RT: 14.75 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BF086941.D
Acq: 12 May 2016 20:22

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.1	17.8	26.6	
125	11.1	11.4	17.0	





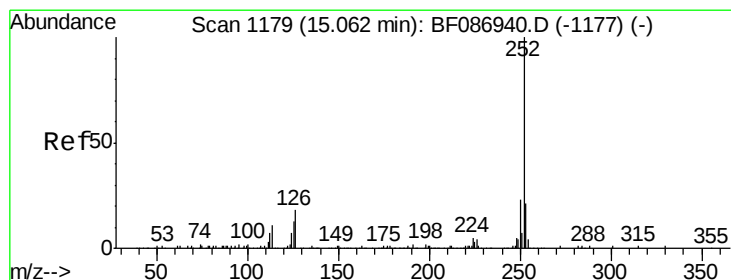
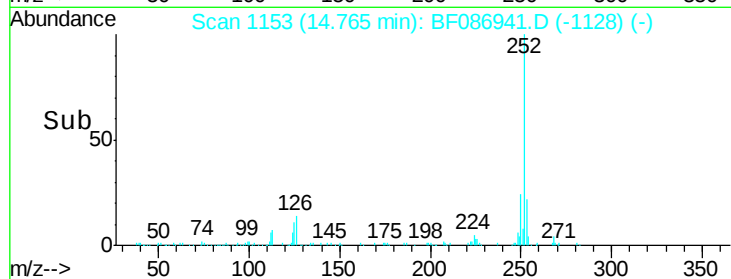
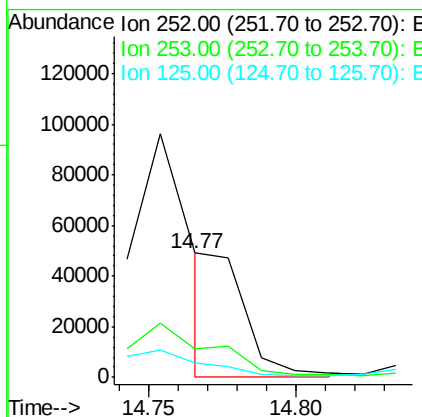
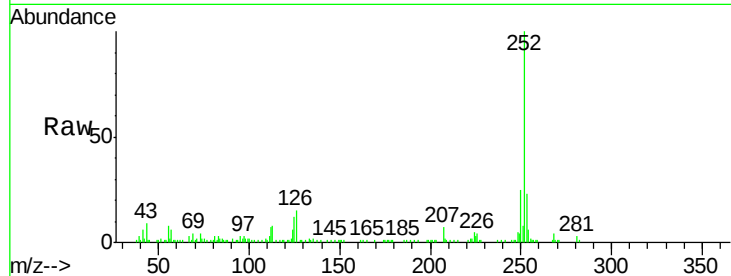
#88
Benzo(k)fluoranthene
Concen: 2.09 ng m
RT: 14.77 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF086941.D
Acq: 12 May 2016 20:22

Instrument :
BNA_F
ClientSampleId :
SS-03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	11.8	9.1	13.7

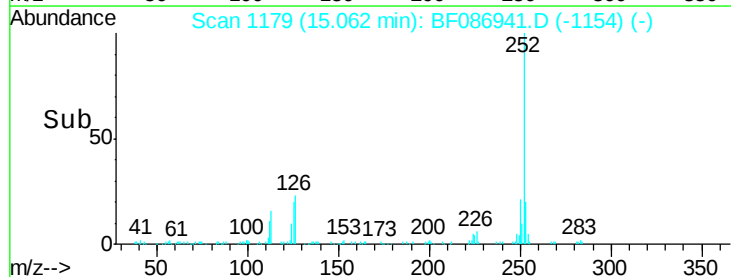
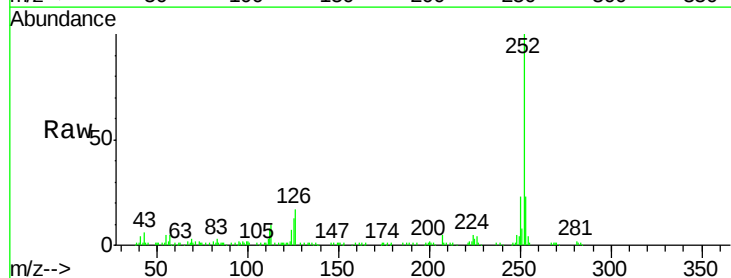
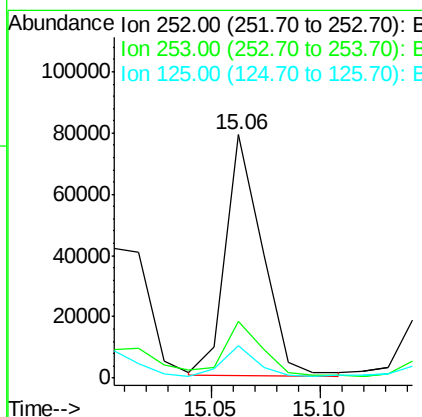
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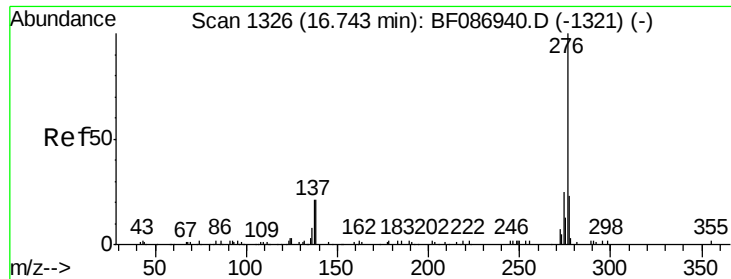
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#89
Benzo(a)pyrene
Concen: 4.46 ng
RT: 15.06 min Scan# 1179
Delta R.T. -0.01 min
Lab File: BF086941.D
Acq: 12 May 2016 20:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	13.5	9.0	13.6





#91
 Benzo(g,h,i)perylene
 Concen: 3.14 ng
 RT: 16.74 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: BF086941.D
 Acq: 12 May 2016 20:22

Instrument :
 BNA_F
 ClientSampleId :
 SS-03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.6	29.4
138	22.7	23.6	35.4

Manual Integrations
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