

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050416\
 Data File : BF086688.D
 Acq On : 4 May 2016 20:39
 Operator : UM/SJ
 Sample : H2715-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-3-CS-3(0-12FTBGS)

Manual Integrations
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Quant Time: May 05 04:51:13 2016
 Quant Title :
 QLast Update : Wed May 04 15:12:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	157710	40.00	ng	0.00
21) Naphthalene-d8	8.02	136	559316	40.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	236151	40.00	ng	0.00
63) Phenanthrene-d10	11.25	188	339591m	40.00	ng	0.00
75) Chrysene-d12	13.88	240	299816	40.00	ng	0.00
86) Perylene-d12	15.28	264	272778	40.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1212288	127.25	ng	0.01
7) Phenol-d6	6.38	99	1520804	118.51	ng	0.01
23) Nitrobenzene-d5	7.31	82	1170377	107.53	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	305261	132.14	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1333691	92.58	ng	0.00
78) Terphenyl-d14	12.84	244	806180	54.34	ng	0.00
Target Compounds						Ovalue
49) Dimethylphthalate	9.49	163	203029	11.53	ng	100
70) Phenanthrene	11.28	178	359610	19.71	ng	100
71) Anthracene	11.33	178	89939	4.71	ng	99
72) Carbazole	11.49	167	36529	2.20	ng	96
74) Fluoranthene	12.46	202	481094	26.32	ng	95
77) Pyrene	12.69	202	422343	17.67	ng	99
80) Benzo(a)anthracene	13.88	228	206751	12.19	ng	99
82) Chrysene	13.92	228	179415m	9.92	ng	
85) Indeno(1,2,3-cd)pyrene	16.59	276	72597	4.68	ng	# 91
87) Benzo(b)fluoranthene	14.89	252	190319m	11.61	ng	
88) Benzo(k)fluoranthene	14.90	252	95641m	6.19	ng	
89) Benzo(a)pyrene	15.22	252	143998	9.54	ng	# 92
91) Benzo(a,h,i)perylene	16.99	276	63490	4.17	ng	97

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

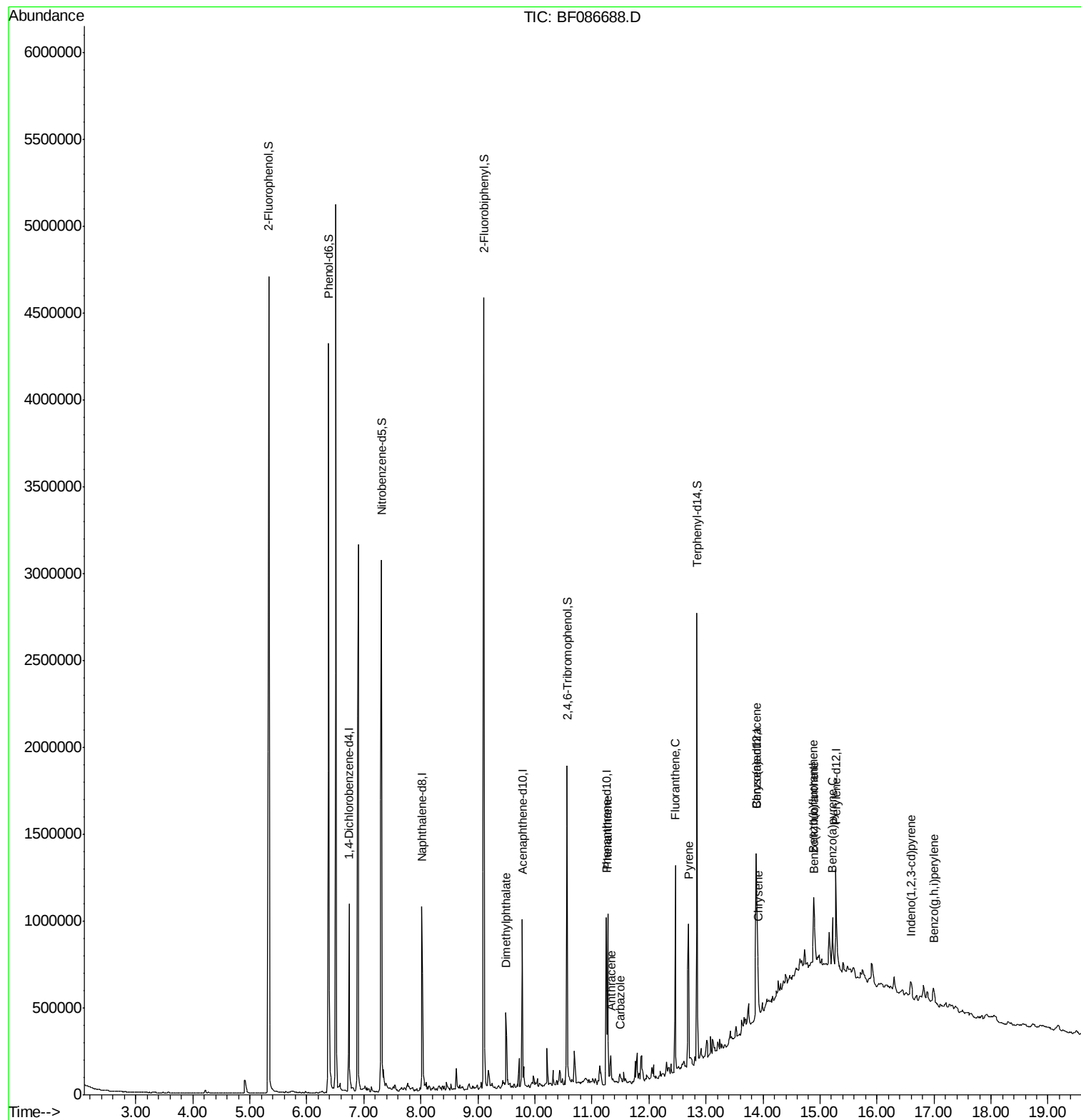
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050416\
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ALS Vial : 10 Sample Multiplier: 1

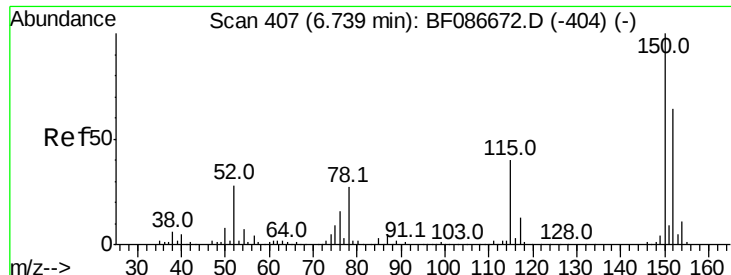
Instrument :
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Quant Time: May 05 04:51:13 2016
Quant Title :
QLast Update : Wed May 04 15:12:53 2016
Response via : Initial Calibration





#1

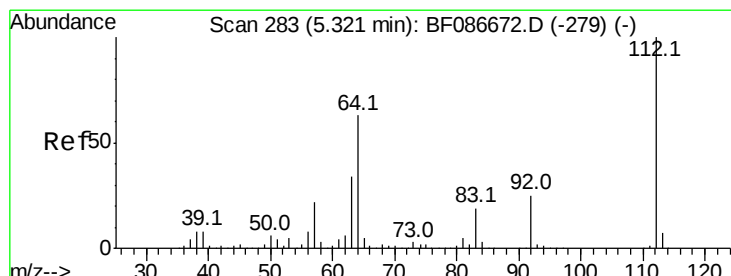
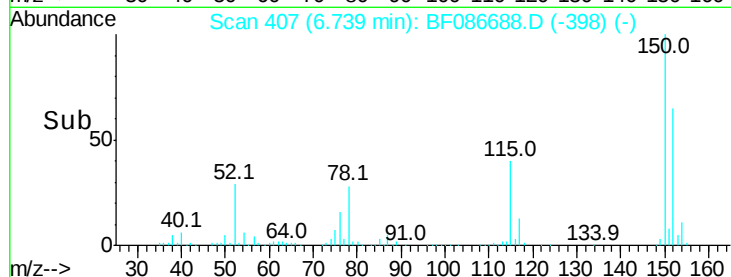
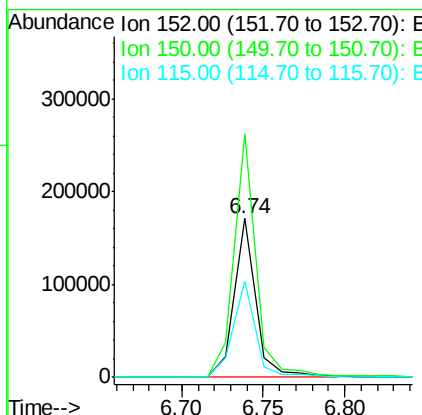
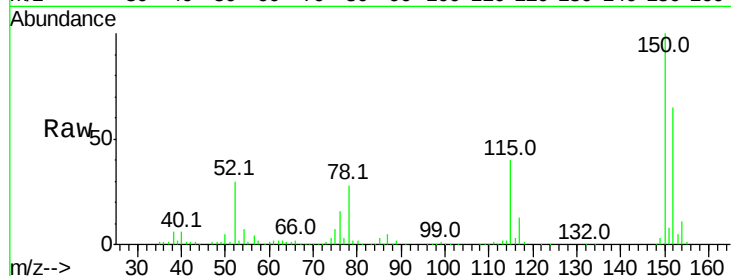
1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.74 min Scan# 407
Delta R.T. -0.00 min
Lab File: BF086688.D
Acq: 4 May 2016 20:39

Instrument :
BNA_F
ClientSampleId :
26WARD-3-CS-3(0-12FTBGS)

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	125.8	188.6
115	60.9	51.5	77.3

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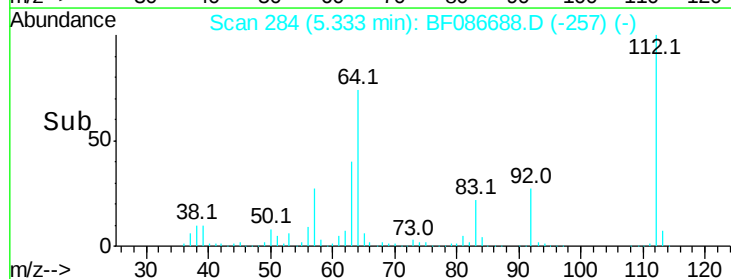
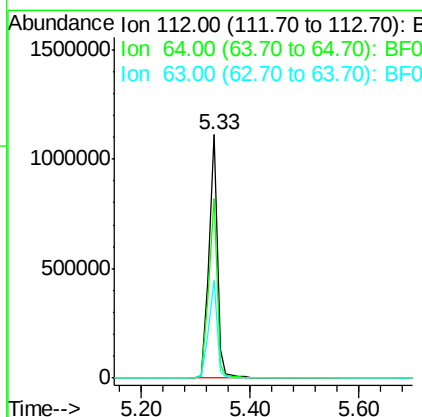
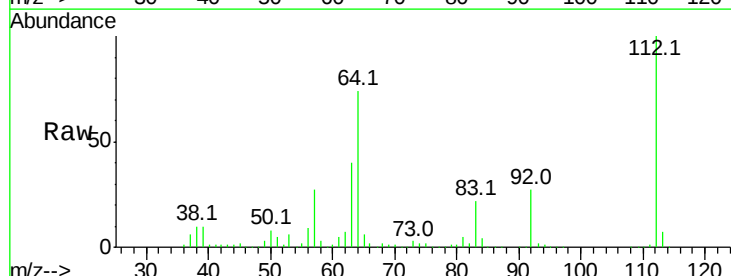
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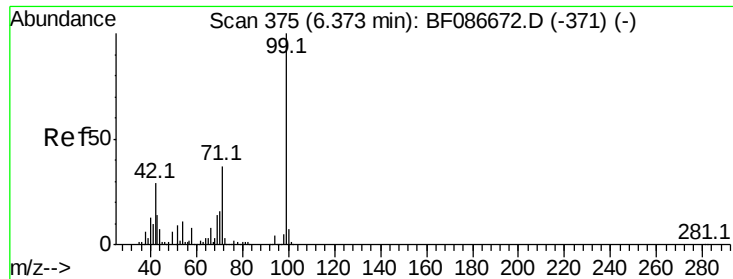


#5

2-Fluorophenol
Concen: 127.25 ng
RT: 5.33 min Scan# 284
Delta R.T. 0.01 min
Lab File: BF086688.D
Acq: 4 May 2016 20:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.6	52.1	78.1
63	40.2	25.7	38.5





#7

Phenol-d6

Concen: 118.51 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF086688.D

Acq: 4 May 2016 20:39

Instrument :

BNA_F

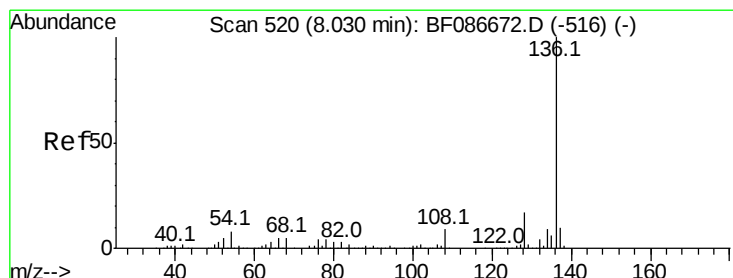
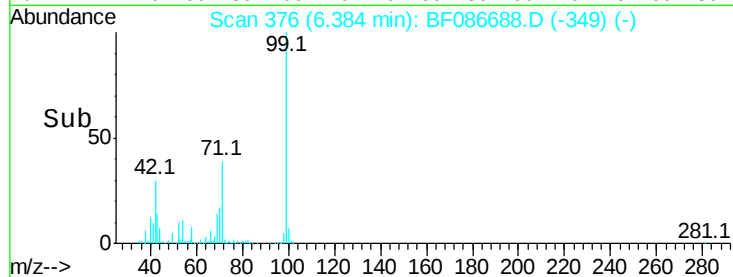
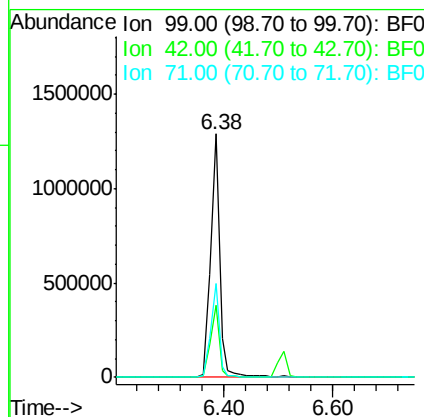
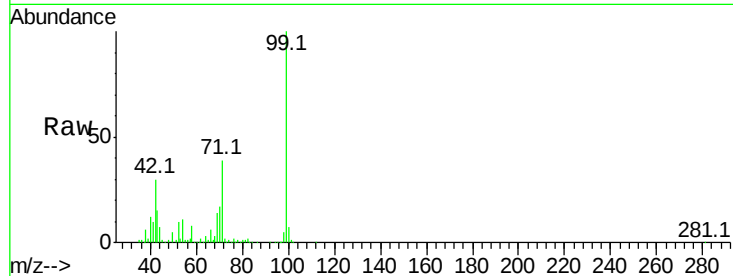
ClientSampleId :

26WARD-3-CS-3(0-12FTBGS)

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Tot Ion	99	Resp	1520804
Ion	Ratio	Lower	Upper
99	100		
42	29.7	13.6	20.4#
71	38.7	24.6	36.8#



#21

Naphthalene-d8

Concen: 40.00 ng

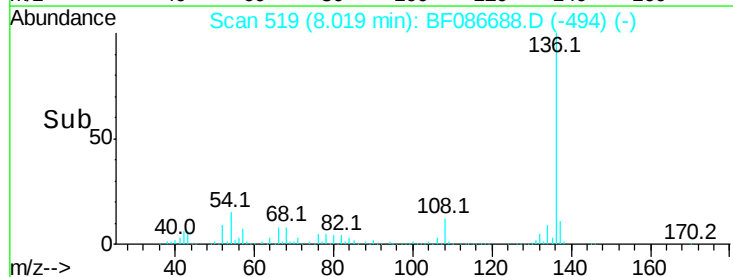
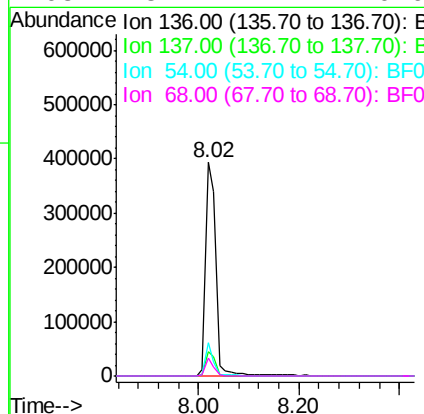
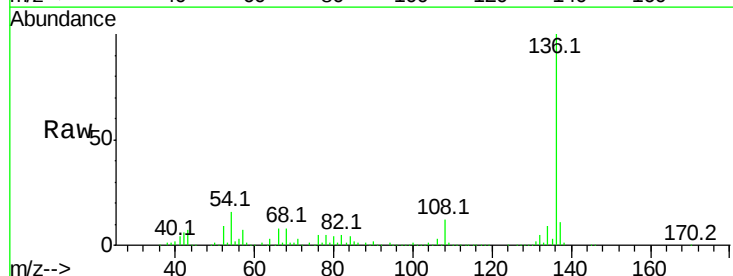
RT: 8.02 min Scan# 519

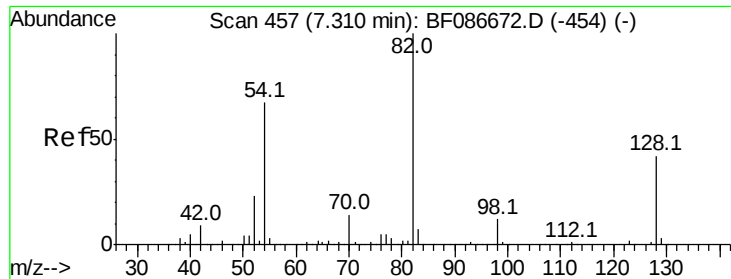
Delta R.T. -0.01 min

Lab File: BF086688.D

Acq: 4 May 2016 20:39

Tgt Ion	136	Resp	559316
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	15.5	5.0	7.4#
68	8.4	4.4	6.6#





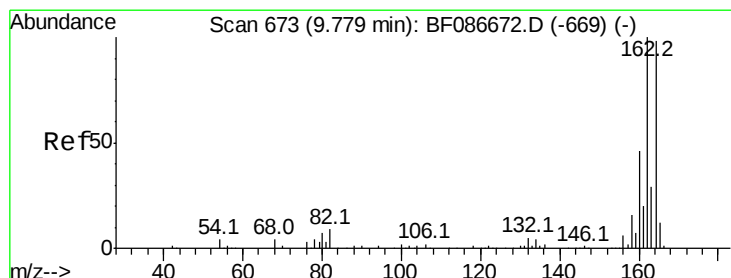
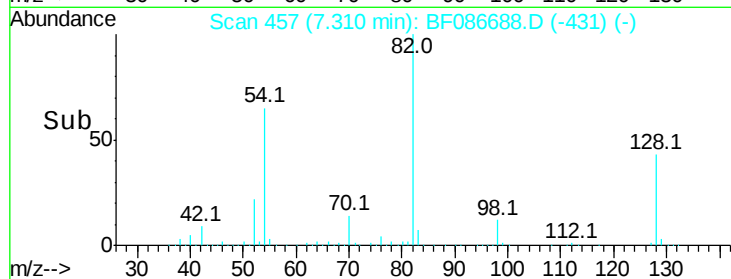
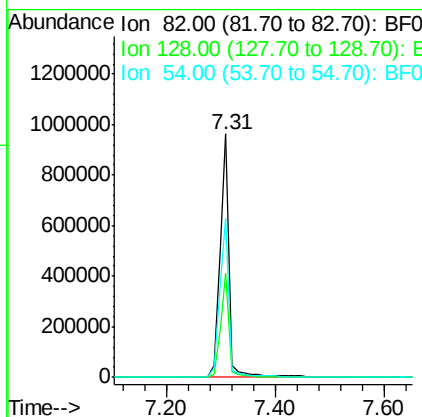
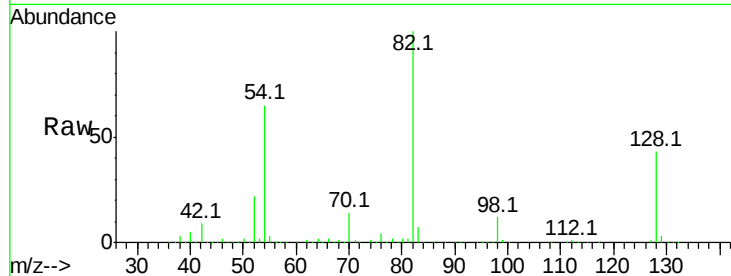
#23
 Nitrobenzene-d5
 Concen: 107.53 ng
 RT: 7.31 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: BF086688.D
 Acq: 4 May 2016 20:39

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-3-CS-3(0-12FTBGS)

Tot Ion: 82 Resp: 1170377
 Ion Ratio Lower Upper
 82 100
 128 42.7 40.6 61.0
 54 65.3 38.1 57.1#

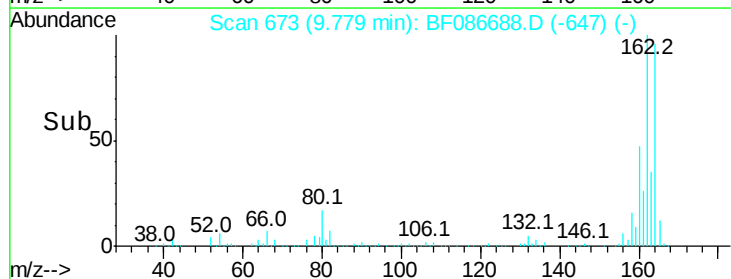
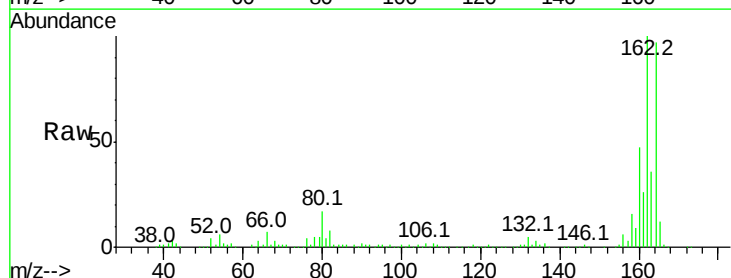
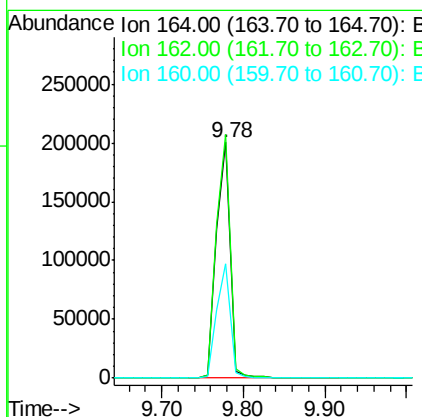
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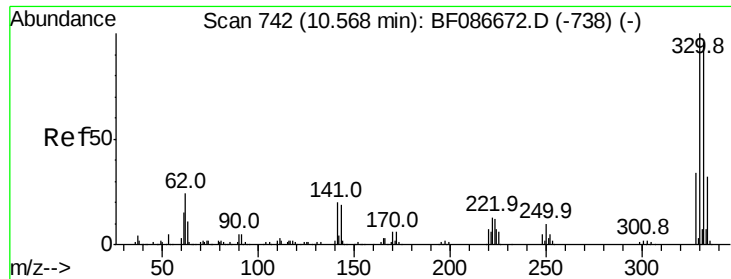
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#38
 Acenaphthene-d10
 Concen: 40.00 ng
 RT: 9.78 min Scan# 673
 Delta R.T. 0.00 min
 Lab File: BF086688.D
 Acq: 4 May 2016 20:39

Tgt Ion:164 Resp: 236151
 Ion Ratio Lower Upper
 164 100
 162 103.4 82.8 124.2
 160 48.8 36.9 55.3





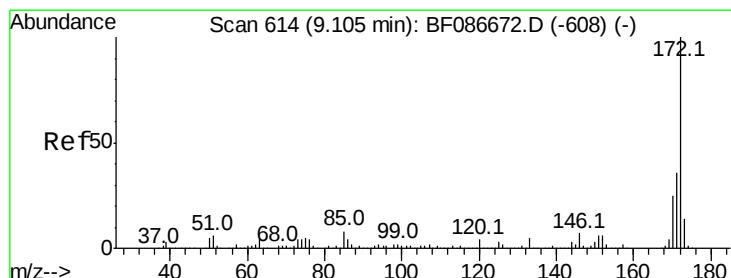
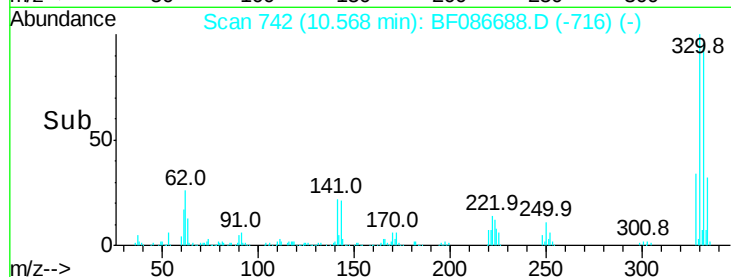
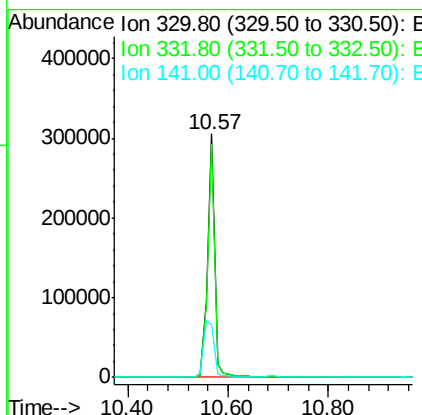
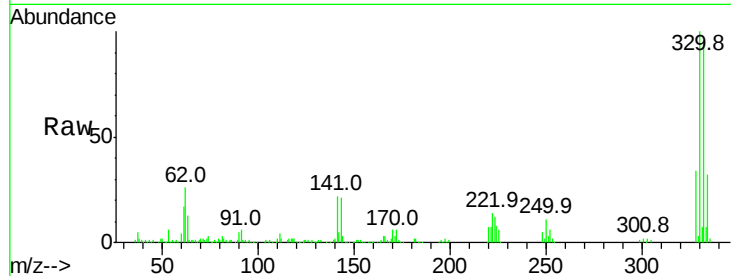
#41
 2,4,6-Tribromophenol
 Concen: 132.14 ng
 RT: 10.57 min Scan# 742
 Delta R.T. 0.00 min
 Lab File: BF086688.D
 Acq: 4 May 2016 20:39

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-3-CS-3(0-12FTBGS)

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.8	79.0	118.4	
141	35.0	31.2	46.8	

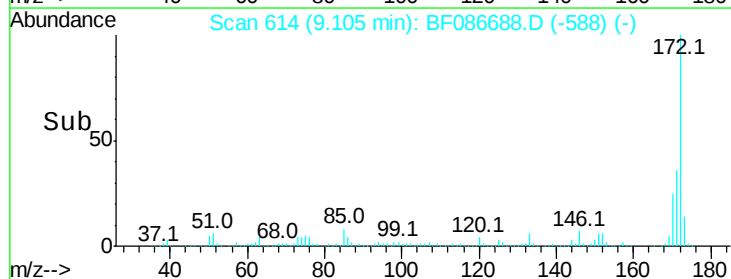
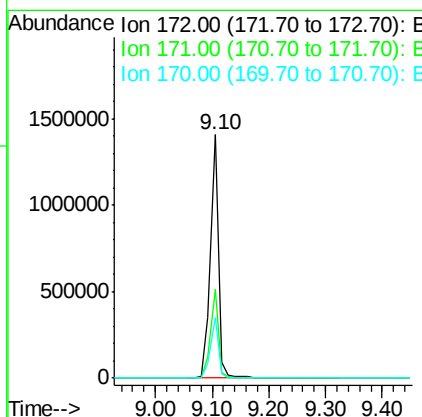
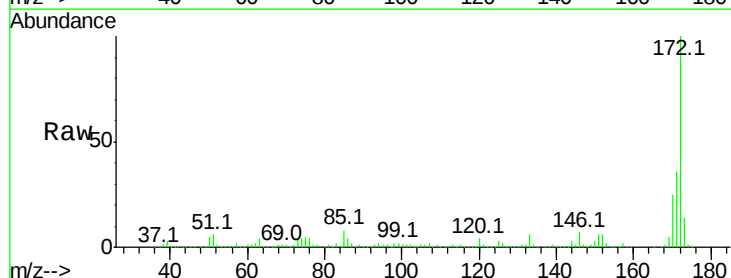
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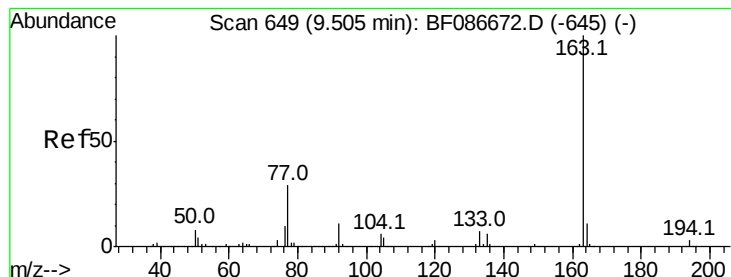
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#44
 2-Fluorobiphenyl
 Concen: 92.58 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.00 min
 Lab File: BF086688.D
 Acq: 4 May 2016 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.2	29.0	43.6	
170	24.7	19.8	29.8	





#49

Dimethylphthalate

Concen: 11.53 ng

RT: 9.49 min Scan# 648

Delta R.T. -0.01 min

Lab File: BF086688.D

Acq: 4 May 2016 20:39

Instrument :

BNA_F

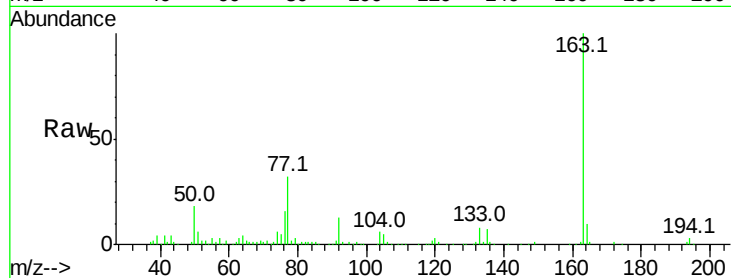
ClientSampleId :

26WARD-3-CS-3(0-12FTBGS)

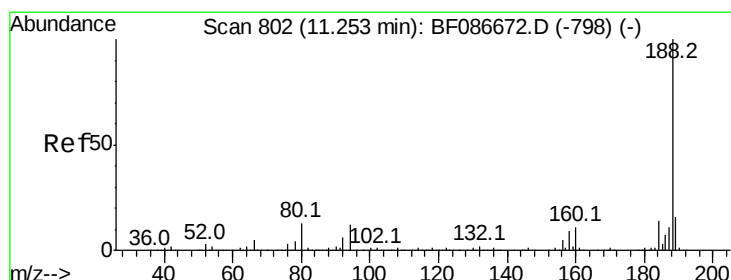
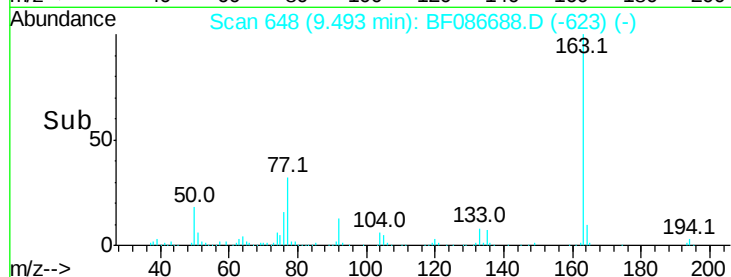
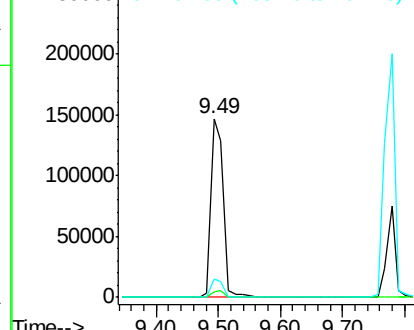
Tot Ion:	163	Resp:	203029
Ion Ratio	Lower	Upper	
163	100		
194	3.0	2.6	4.0
164	10.2	8.2	12.4

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 40.00 ng m

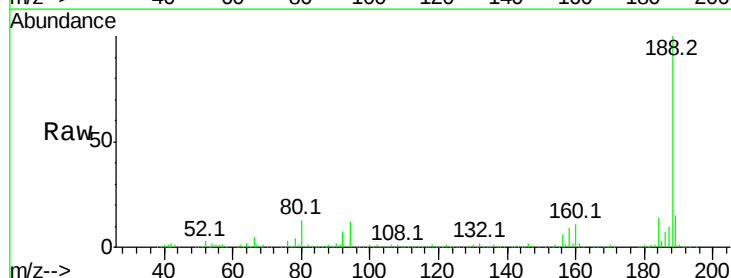
RT: 11.25 min Scan# 802

Delta R.T. -0.00 min

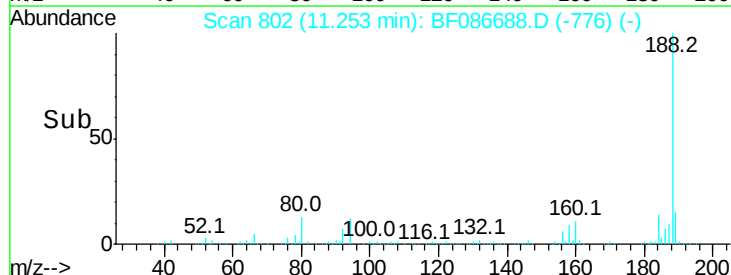
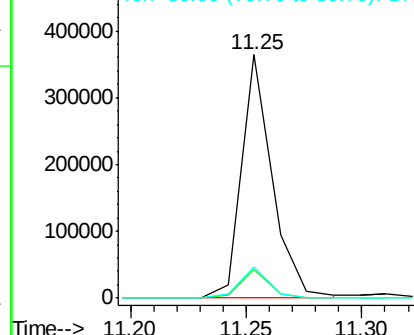
Lab File: BF086688.D

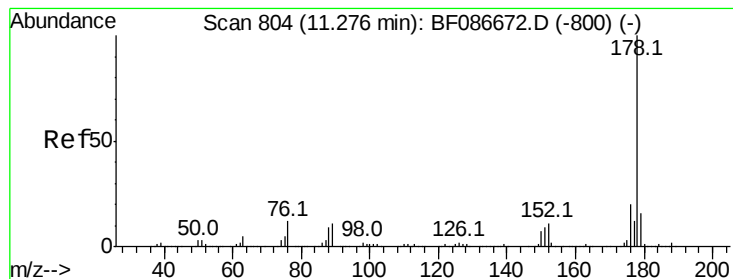
Acq: 4 May 2016 20:39

Tgt Ion:	188	Resp:	339591
Ion Ratio	Lower	Upper	
188	100		
94	11.7	6.8	10.2#
80	12.7	7.1	10.7#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 19.71 ng

RT: 11.28 min Scan# 804

Delta R.T. -0.00 min

Lab File: BF086688.D

Acq: 4 May 2016 20:39

Instrument :

BNA_F

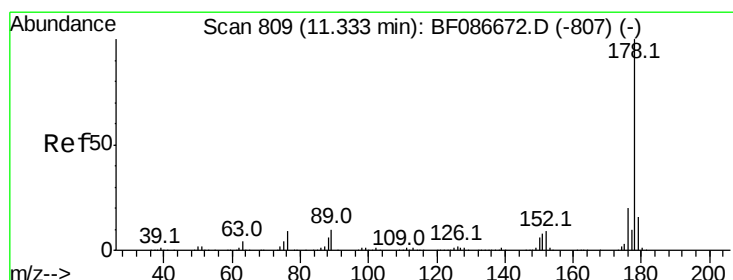
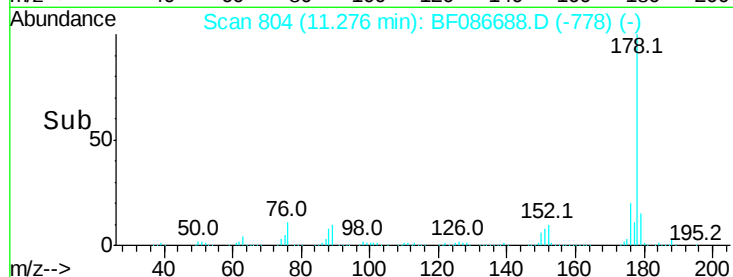
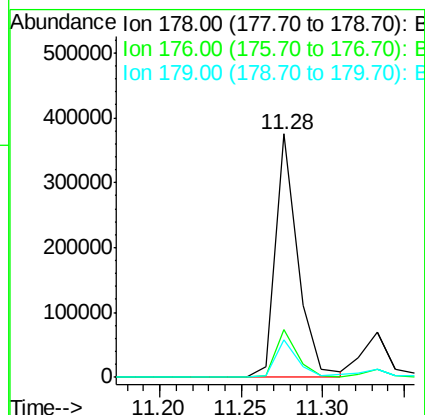
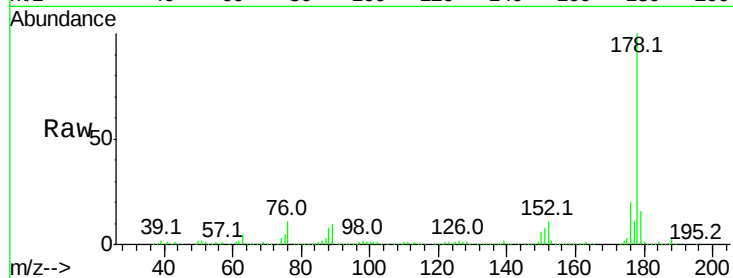
ClientSampleId :

26WARD-3-CS-3(0-12FTBGS)

Tot Ion:178	Resp:	359610
Ion Ratio	Lower	Upper
178	100	
176	19.8	16.0 24.0
179	15.6	12.6 18.8

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#71

Anthracene

Concen: 4.71 ng

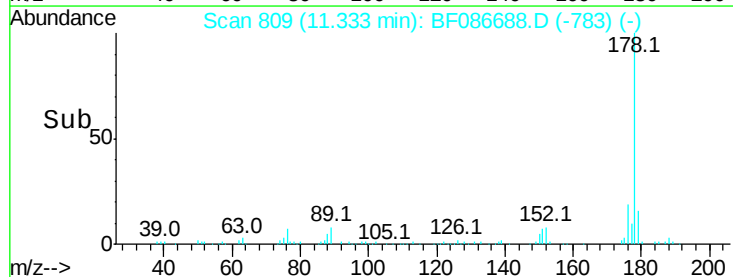
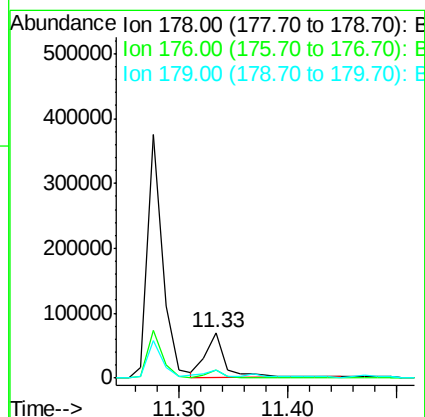
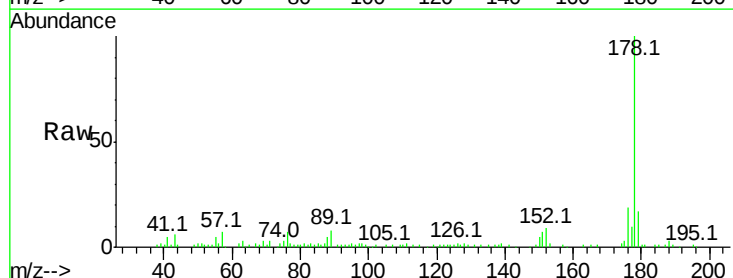
RT: 11.33 min Scan# 809

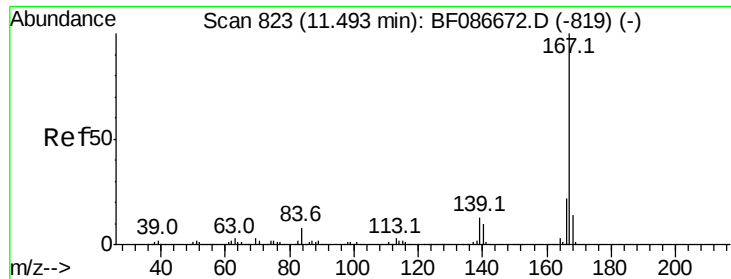
Delta R.T. -0.00 min

Lab File: BF086688.D

Acq: 4 May 2016 20:39

Tgt Ion:178	Resp:	89939
Ion Ratio	Lower	Upper
178	100	
176	18.9	15.6 23.4
179	16.6	12.7 19.1





#72

Carbazole

Concen: 2.20 ng

RT: 11.49 min Scan# 823

Delta R.T. -0.00 min

Lab File: BF086688.D

Acq: 4 May 2016 20:39

Instrument :

BNA_F

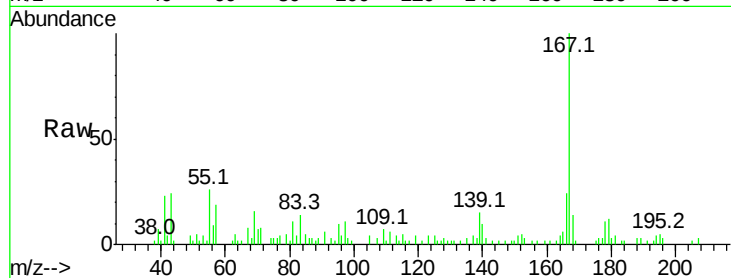
ClientSampleId :

26WARD-3-CS-3(0-12FTBGS)

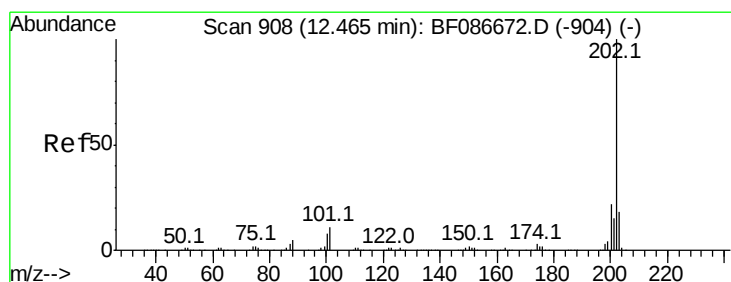
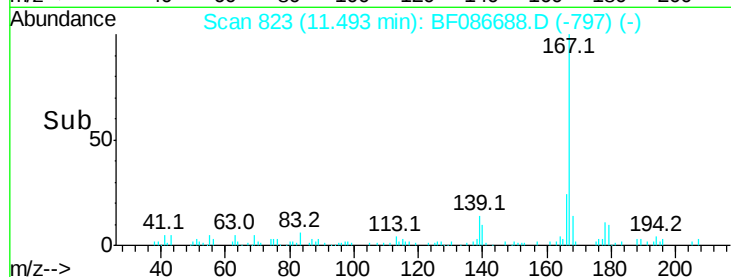
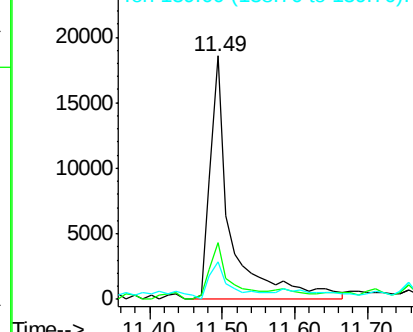
Tot Ion:	167	Resp:	36529
Ion Ratio	Lower	Upper	
167	100		
166	23.5	17.7	26.5
139	15.3	10.8	16.2

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 26.32 ng

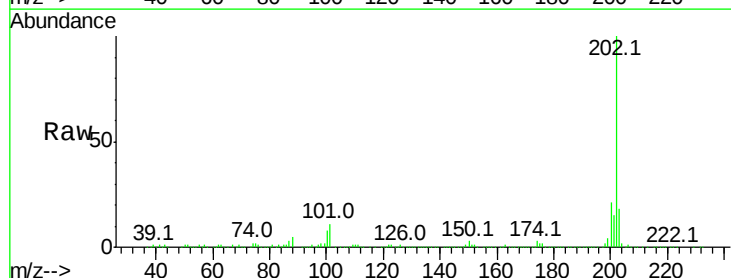
RT: 12.46 min Scan# 908

Delta R.T. -0.00 min

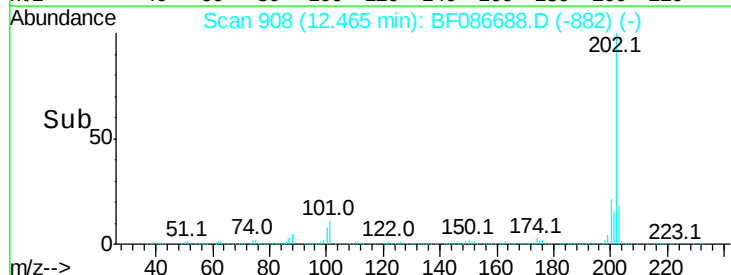
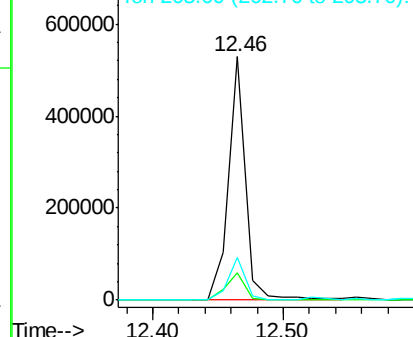
Lab File: BF086688.D

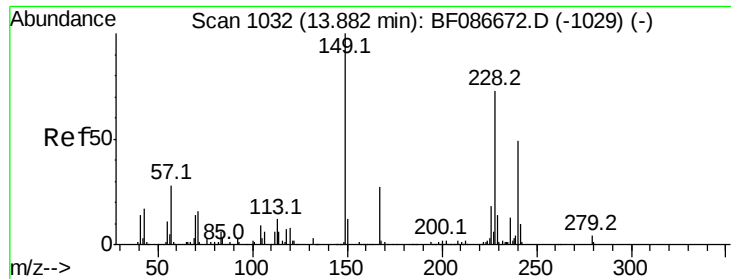
Acq: 4 May 2016 20:39

Tgt Ion:	202	Resp:	481094
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	35.4
203	17.7	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





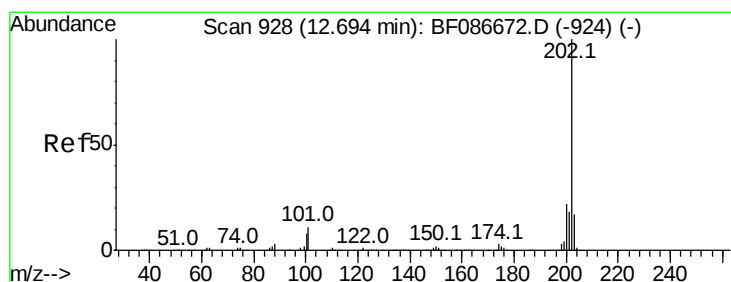
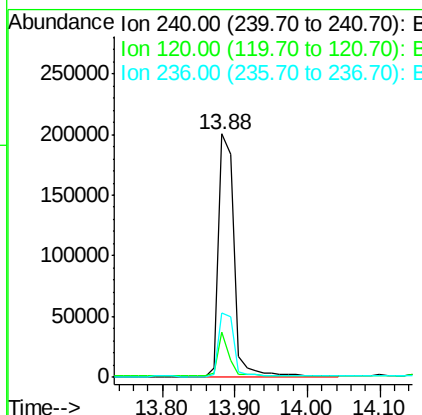
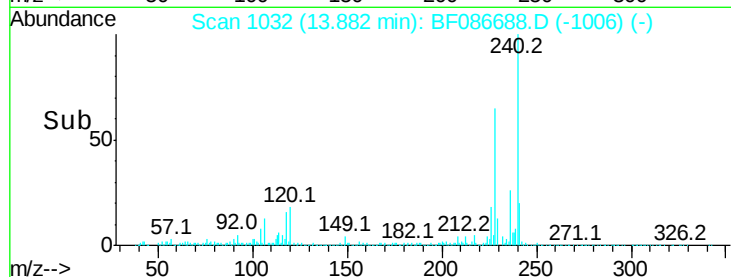
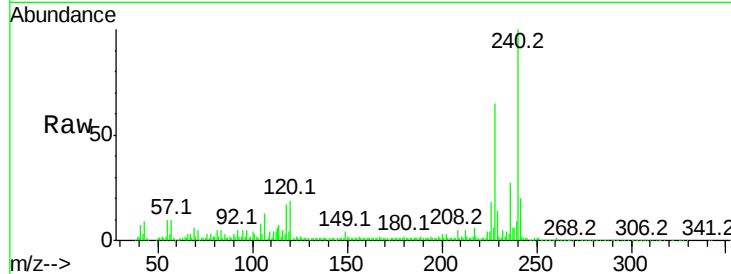
#75
 Chrysene-d12
 Concen: 40.00 ng
 RT: 13.88 min Scan# 1032
 Delta R.T. -0.00 min
 Lab File: BF086688.D
 Acq: 4 May 2016 20:39

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-3-CS-3(0-12FTBGS)

Tot Ion	Ratio	Resp	Lower	Upper
240	100	299816		
120	18.6	11.2	16.8#	
236	26.6	21.2	31.8	

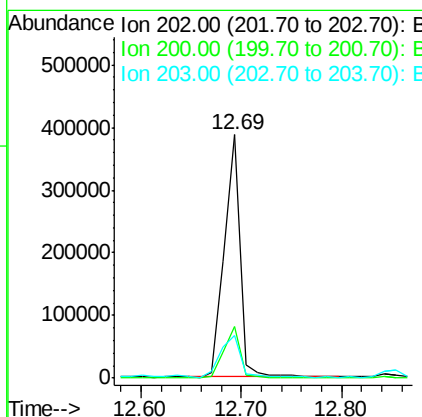
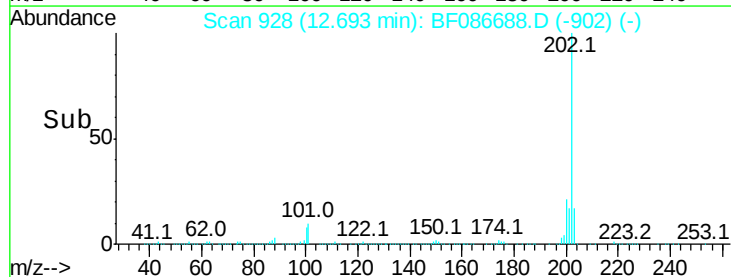
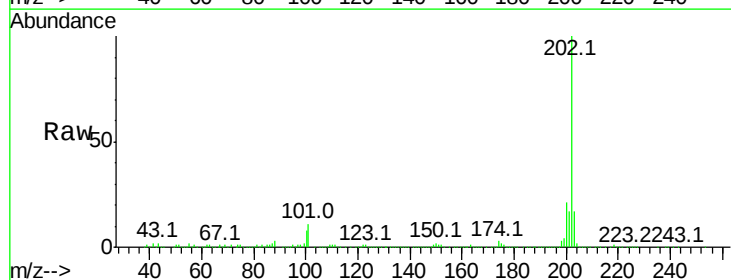
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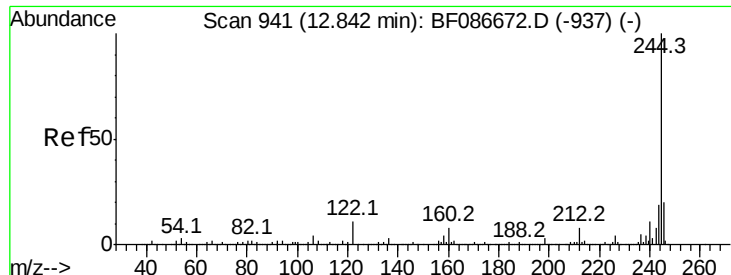
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#77
 Pyrene
 Concen: 17.67 ng
 RT: 12.69 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: BF086688.D
 Acq: 4 May 2016 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	422343		
200	21.3	17.7	26.5	
203	17.4	14.2	21.4	





#78

Terphenyl-d14

Concen: 54.34 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.00 min

Lab File: BF086688.D

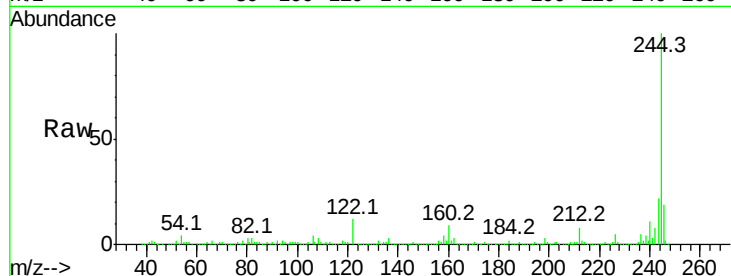
Acq: 4 May 2016 20:39

Instrument :

BNA_F

ClientSampleId :

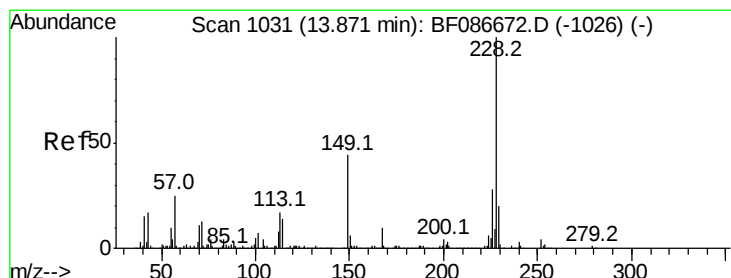
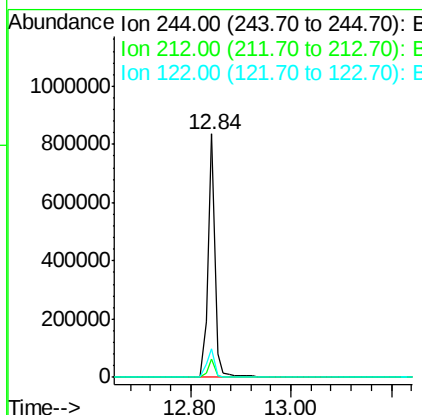
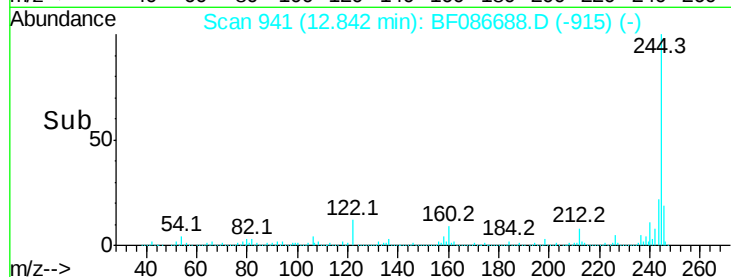
26WARD-3-CS-3(0-12FTBGS)



Tot Ion:	244	Resp:	806180
Ion Ratio	Lower	Upper	
244	100		
212	7.7	6.2	9.2
122	11.8	12.0	18.0#

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#80

Benzo(a)anthracene

Concen: 12.19 ng

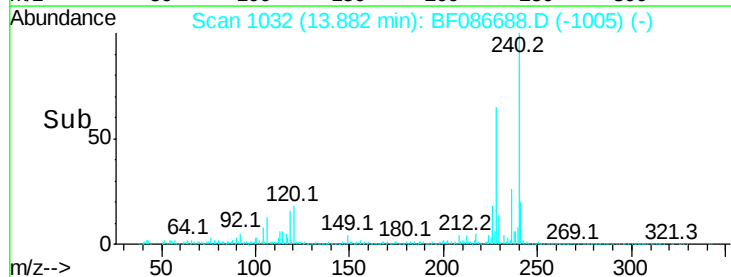
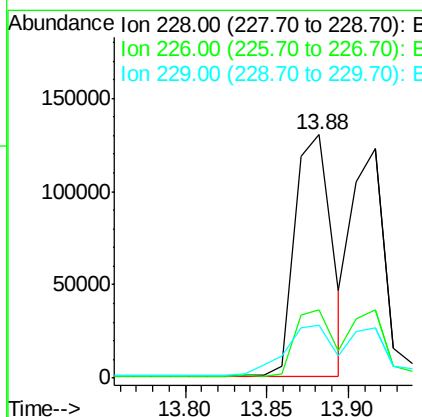
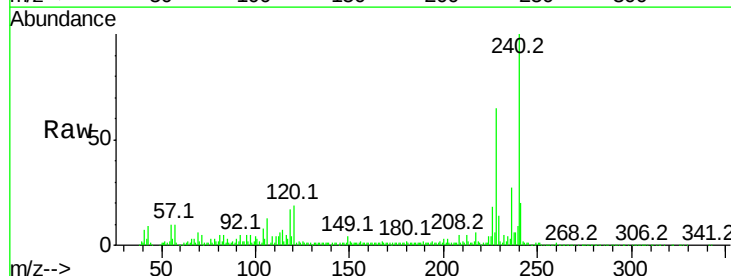
RT: 13.88 min Scan# 1032

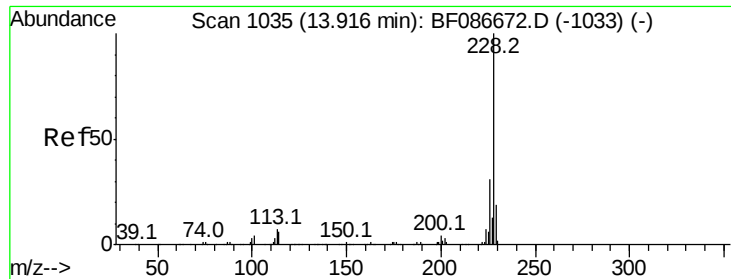
Delta R.T. 0.01 min

Lab File: BF086688.D

Acq: 4 May 2016 20:39

Tgt Ion:	228	Resp:	206751
Ion Ratio	Lower	Upper	
228	100		
226	28.2	22.5	33.7
229	21.6	16.6	25.0





#82

Chrysene

Concen: 9.92 ng/mL

RT: 13.92 min Scan# 1035

Delta R.T. -0.00 min

Lab File: BF086688.D

Acq: 4 May 2016 20:39

Instrument :

BNA_F

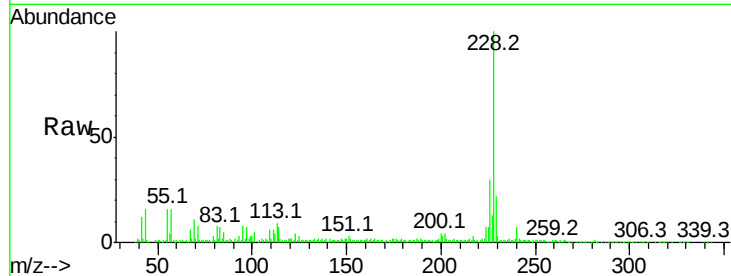
ClientSampleId :

26WARD-3-CS-3(0-12FTBGS)

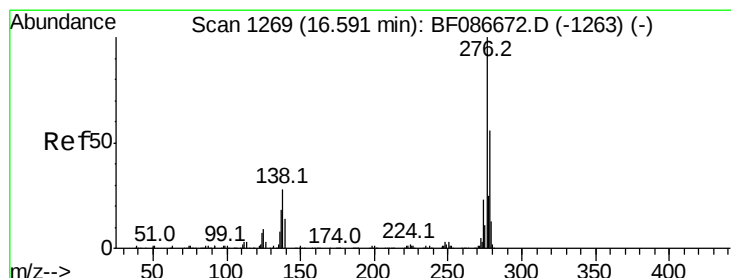
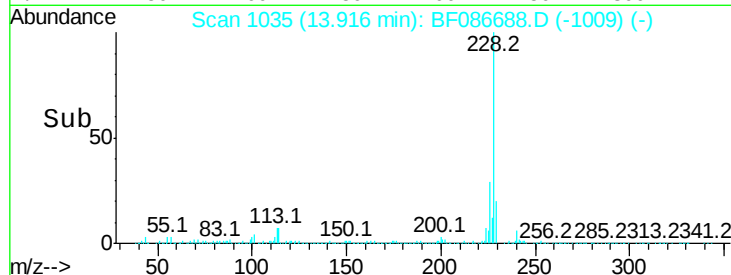
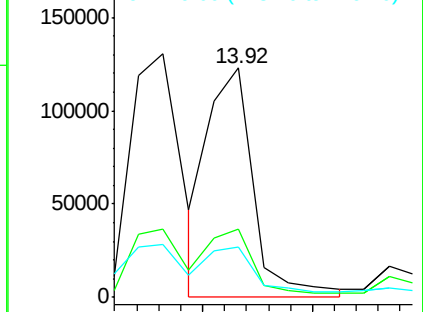
Tot Ion:	228	Resp:	179415
Ion Ratio	Lower	Upper	
228	100		
226	29.8	24.4	36.6
229	22.1	15.8	23.8

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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



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.68 ng/mL

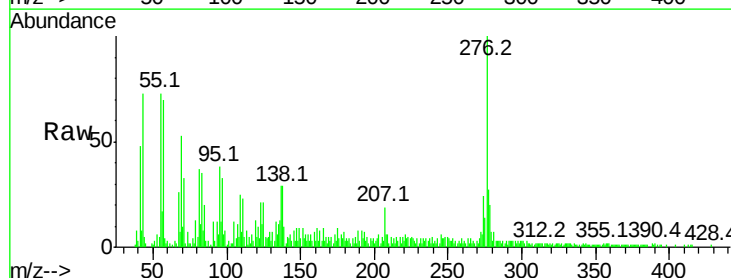
RT: 16.59 min Scan# 1269

Delta R.T. -0.00 min

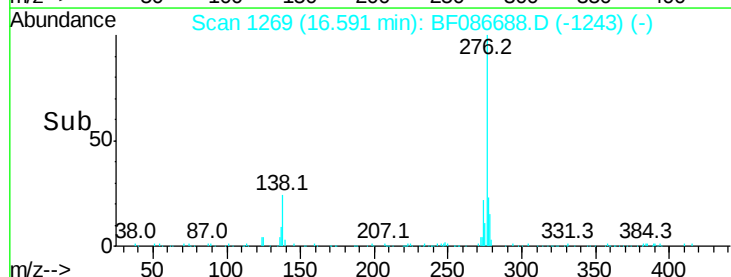
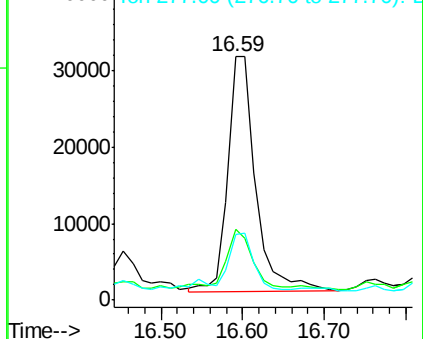
Lab File: BF086688.D

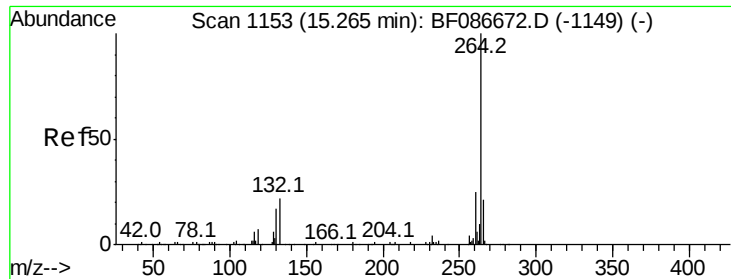
Acq: 4 May 2016 20:39

Tgt Ion:	276	Resp:	72597
Ion Ratio	Lower	Upper	
276	100		
138	24.7	25.6	38.4#
277	23.8	20.5	30.7



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 40.00 ng

RT: 15.28 min Scan# 1154

Delta R.T. 0.01 min

Lab File: BF086688.D

Acq: 4 May 2016 20:39

Instrument :

BNA_F

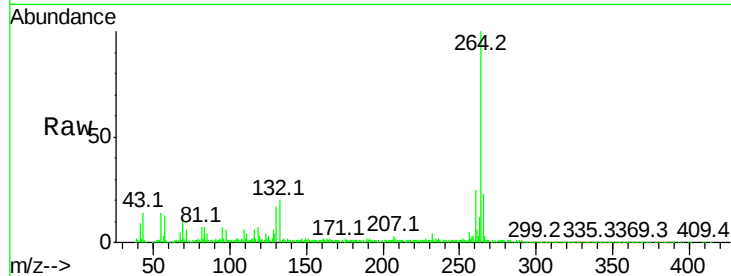
ClientSampleId :

26WARD-3-CS-3(0-12FTBGS)

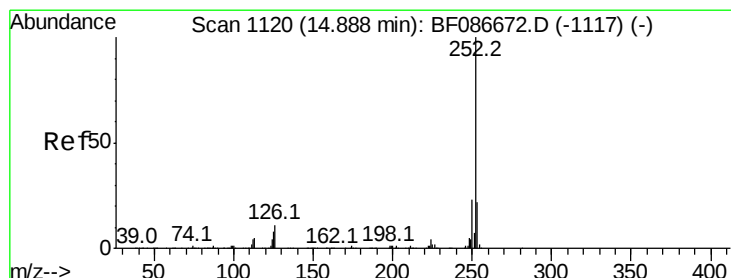
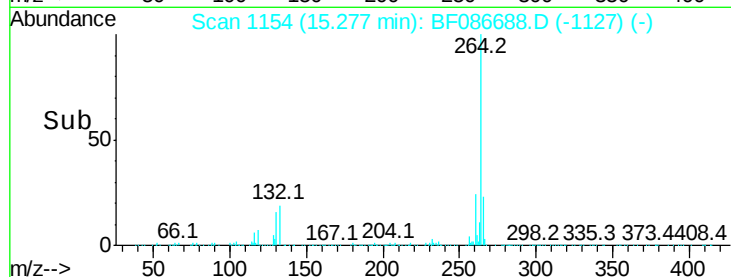
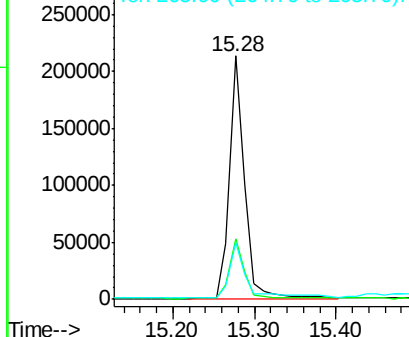
Tot Ion:	264	Resp:	272778
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.5	29.3
265	23.2	17.3	25.9

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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: 11.61 ng m

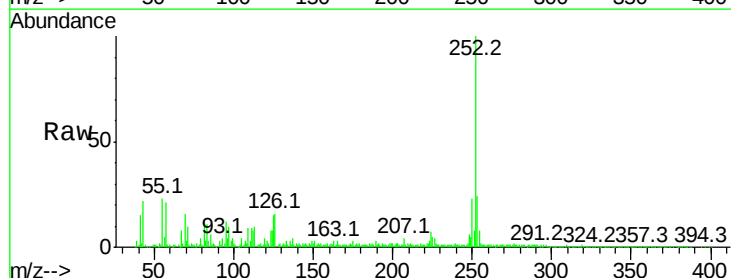
RT: 14.89 min Scan# 1120

Delta R.T. -0.00 min

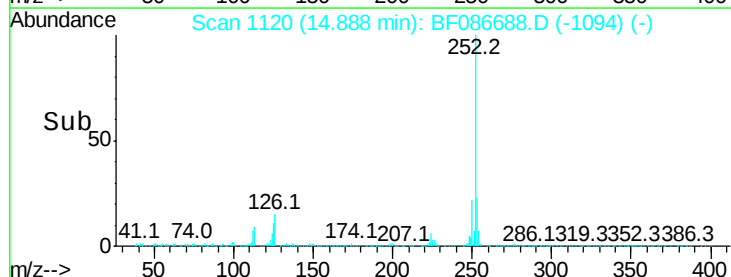
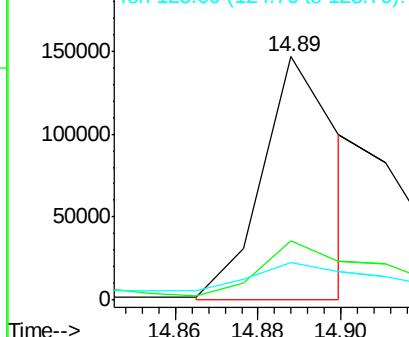
Lab File: BF086688.D

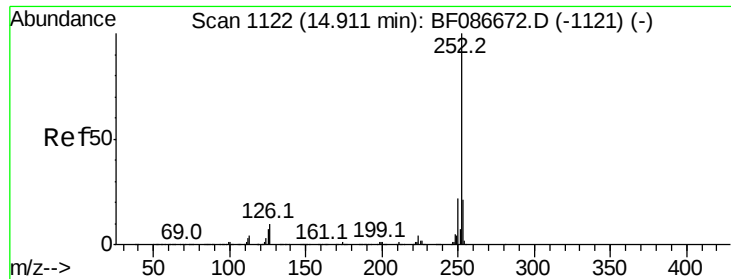
Acq: 4 May 2016 20:39

Tgt Ion:	252	Resp:	190319
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.8	26.6
125	15.2	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





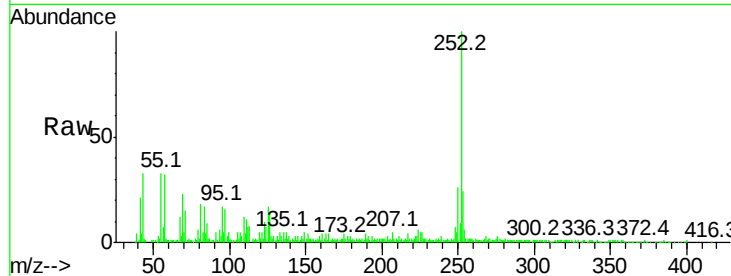
#88
Benzo(k)fluoranthene
Concen: 6.19 ng/mL
RT: 14.90 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BF086688.D
Acq: 4 May 2016 20:39

Instrument :
BNA_F
ClientSampleId :
26WARD-3-CS-3(0-12FTBGS)

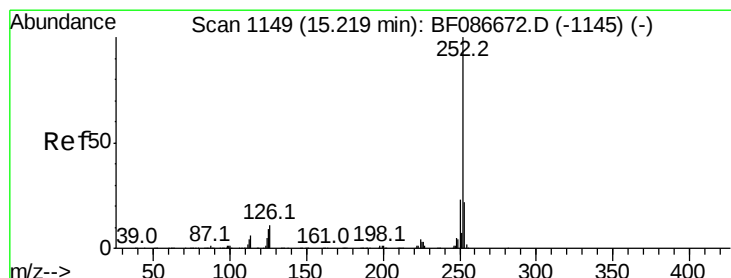
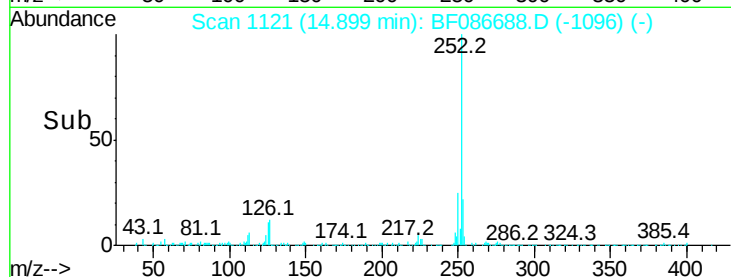
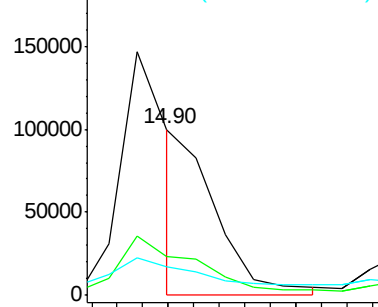
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.6
125	16.9	9.1	13.7

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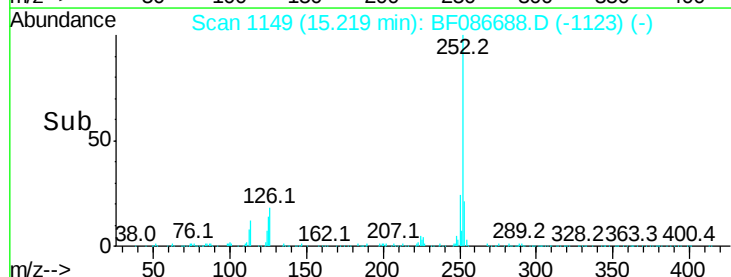
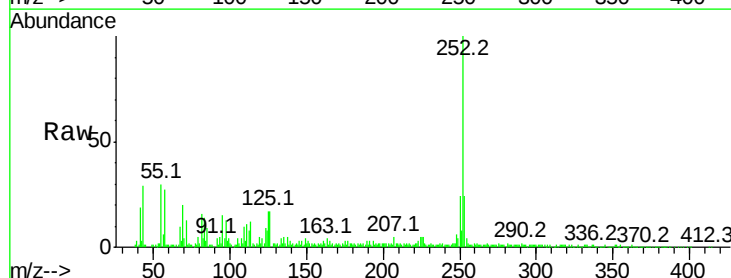
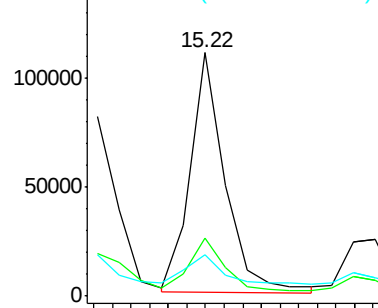
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

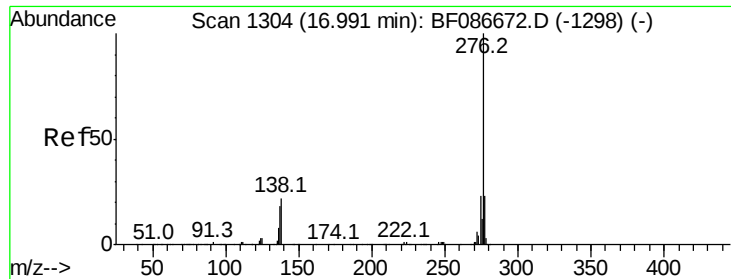


#89
Benzo(a)pyrene
Concen: 9.54 ng/mL
RT: 15.22 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF086688.D
Acq: 4 May 2016 20:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.2	25.8
125	17.0	9.0	13.6

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





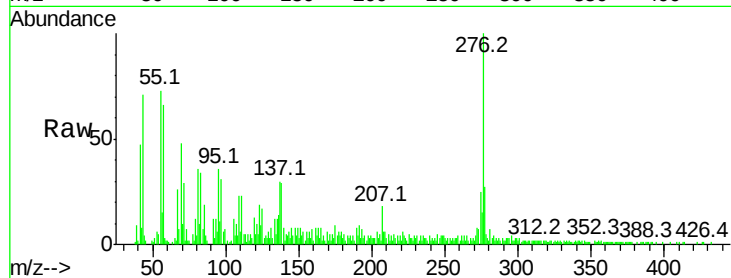
#91
 Benzo(a,h,i)perylene
 Concen: 4.17 ng
 RT: 16.99 min Scan# 1304
 Delta R.T. -0.00 min
 Lab File: BF086688.D
 Acq: 4 May 2016 20:39

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-3-CS-3(0-12FTBGS)

Tot Ion:	276	Resp:	63490
Ion Ratio		Lower	Upper
276	100		
277	26.5	19.6	29.4
138	28.7	23.6	35.4

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

