

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050416\
 Data File : BF086689.D
 Acq On : 4 May 2016 21:08
 Operator : UM/SJ
 Sample : H2715-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-3-CS-7(12-25FTBGS)

Manual Integrations
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Quant Time: May 05 04:51:33 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 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	158979	40.00	ng	0.00
21) Naphthalene-d8	8.02	136	595412	40.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	241841	40.00	ng	0.00
63) Phenanthrene-d10	11.25	188	338775m	40.00	ng	0.00
75) Chrysene-d12	13.88	240	326375	40.00	ng	0.00
86) Perylene-d12	15.28	264	271634	40.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1136887	118.39	ng	0.01
7) Phenol-d6	6.38	99	1392884	107.68	ng	0.01
23) Nitrobenzene-d5	7.31	82	1102170	95.12	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	263411	111.34	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1244408	84.35	ng	0.00
78) Terphenyl-d14	12.84	244	704186	43.61	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.49	163	128524	7.13	ng	98
51) Acenaphthene	9.80	154	37247	2.49	ng	97
57) Fluorene	10.32	166	33168	2.21	ng	# 96
70) Phenanthrene	11.28	178	353857	19.45	ng	99
71) Anthracene	11.33	178	94058	4.94	ng	98
74) Fluoranthene	12.46	202	378423	20.75	ng	94
77) Pyrene	12.69	202	321253	12.35	ng	100
80) Benzo(a)anthracene	13.87	228	161970	8.77	ng	97
82) Chrysene	13.92	228	140615m	7.14	ng	
85) Indeno(1,2,3-cd)pyrene	16.59	276	41921	2.48	ng	95
87) Benzo(b)fluoranthene	14.89	252	131743m	8.07	ng	
88) Benzo(k)fluoranthene	14.90	252	66015m	4.29	ng	
89) Benzo(a)pyrene	15.22	252	98229	6.53	ng	# 95
91) Benzo(a,h,i)perylene	16.99	276	37759	2.49	ng	94

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

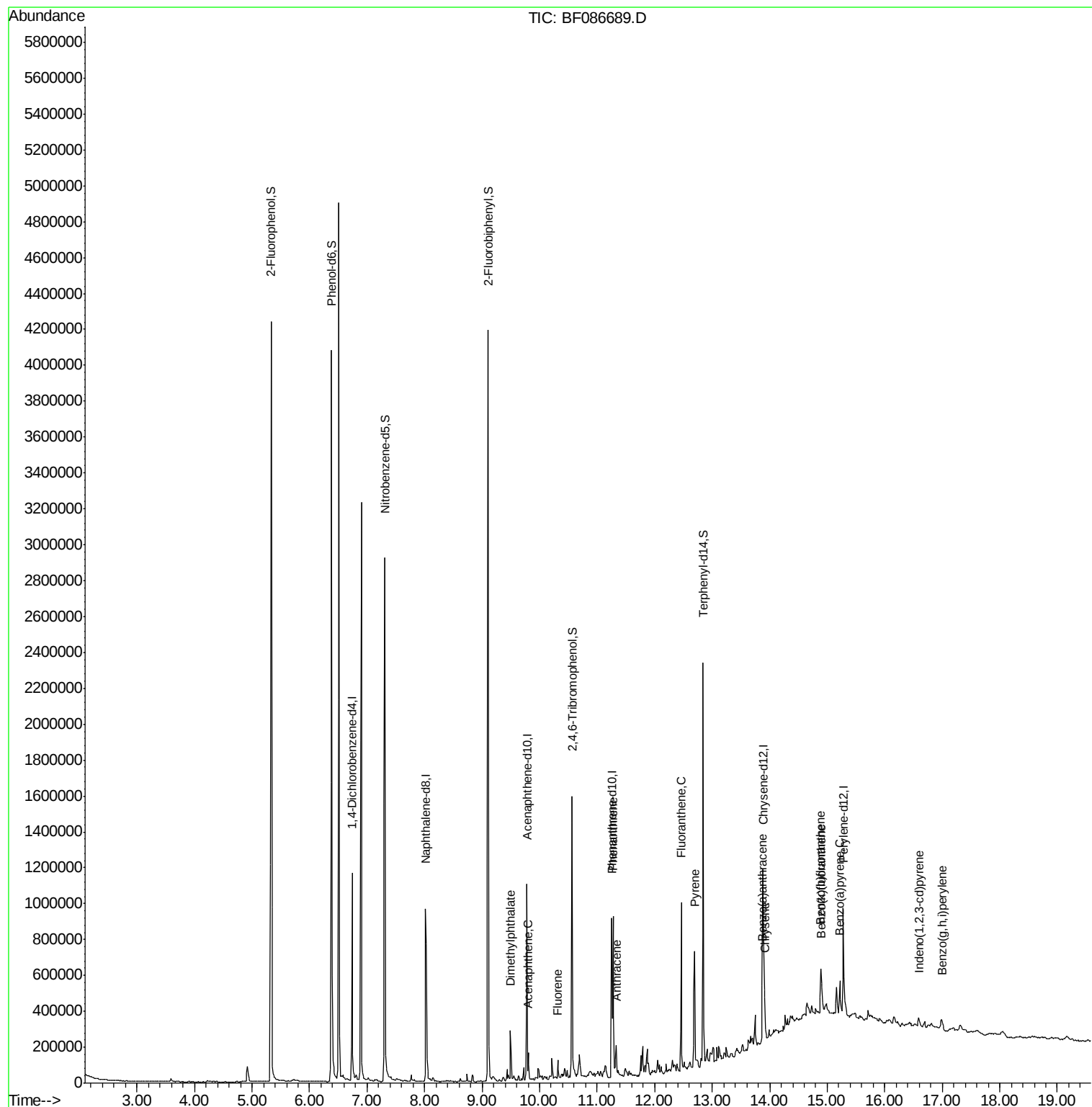
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050416\
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Misc :
ALS Vial : 11 Sample Multiplier: 1

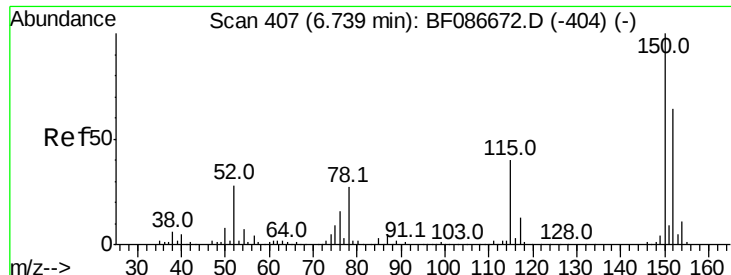
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#1

1,4-Dichlorobenzene-d4

Concen: 40.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.00 min

Lab File: BF086689.D

Acq: 4 May 2016 21:08

Instrument :

BNA_F

ClientSampleId :

26WARD-3-CS-7(12-25FTBGS)

Tot Ion:152 Resp: 158979

Ion Ratio Lower Upper

152 100

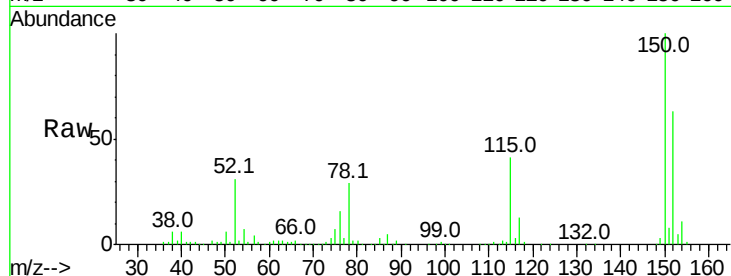
150 157.7 125.8 188.6

115 64.1 51.5 77.3

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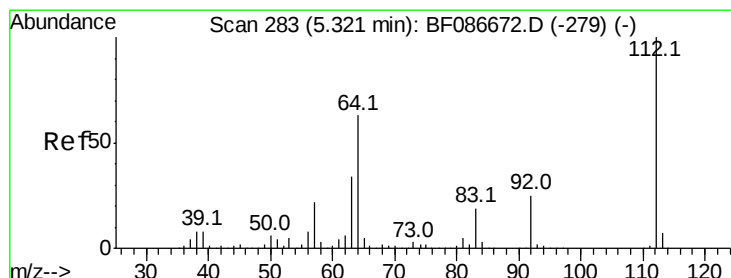
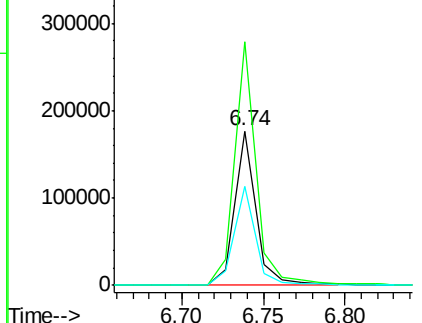
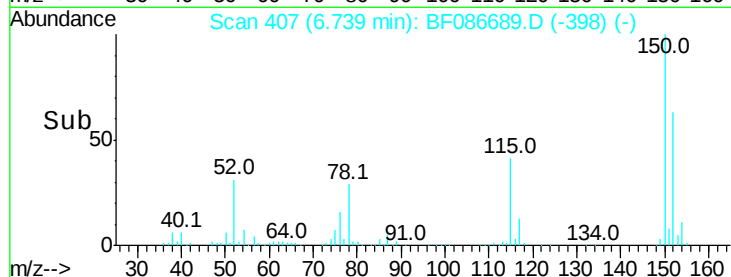
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 118.39 ng

RT: 5.33 min Scan# 284

Delta R.T. 0.01 min

Lab File: BF086689.D

Acq: 4 May 2016 21:08

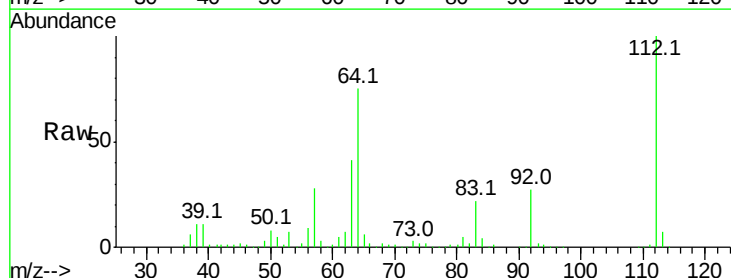
Tgt Ion:112 Resp: 1136887

Ion Ratio Lower Upper

112 100

64 75.2 52.1 78.1

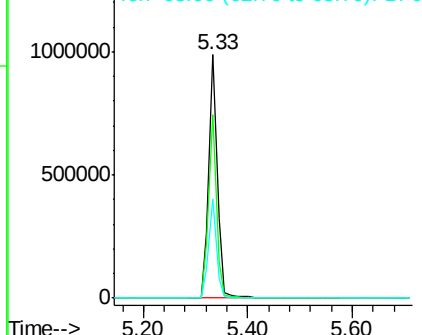
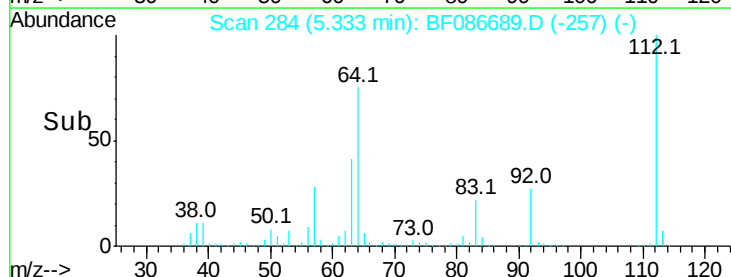
63 40.8 25.7 38.5#

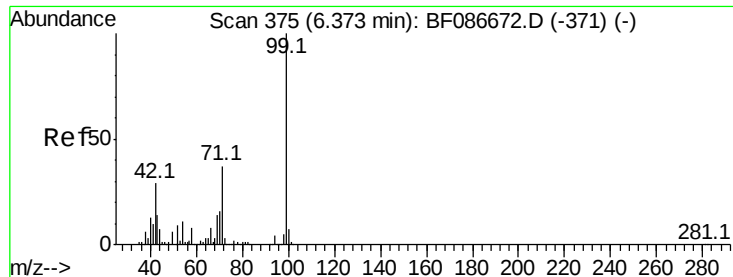


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 107.68 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF086689.D

Acq: 4 May 2016 21:08

Instrument :

BNA_F

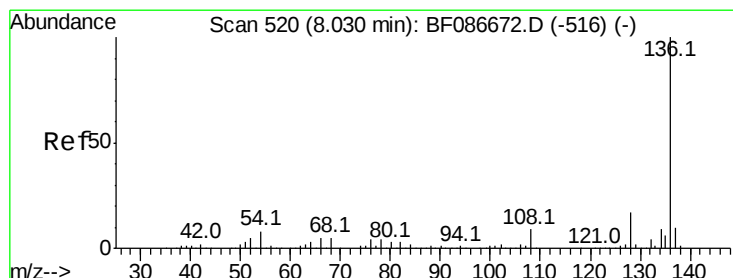
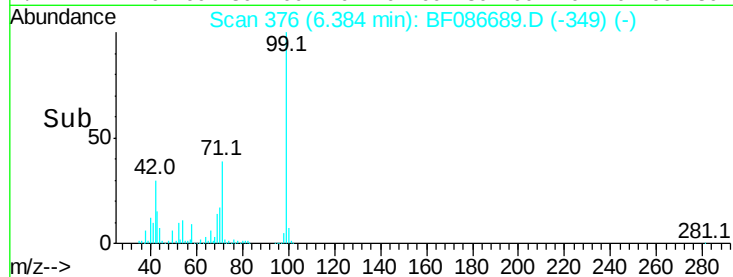
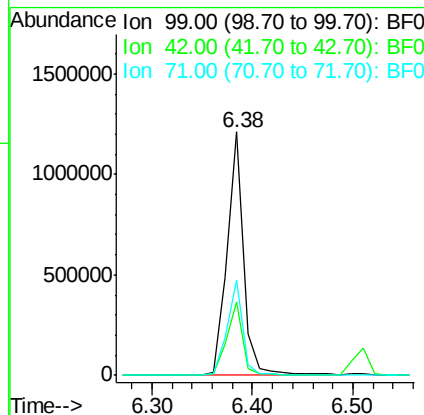
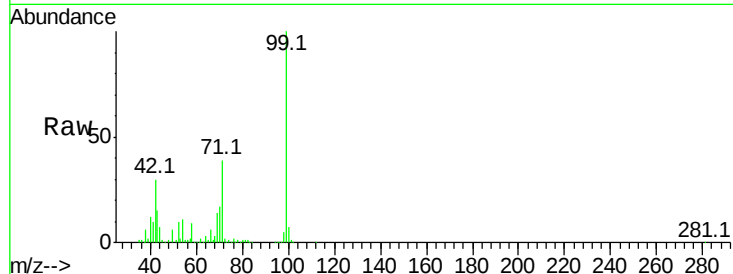
ClientSampleId :

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Tot Ion	99	Resp	1392884
Ion	Ratio	Lower	Upper
99	100		
42	30.3	13.6	20.4#
71	38.9	24.6	36.8#



#21

Naphthalene-d8

Concen: 40.00 ng

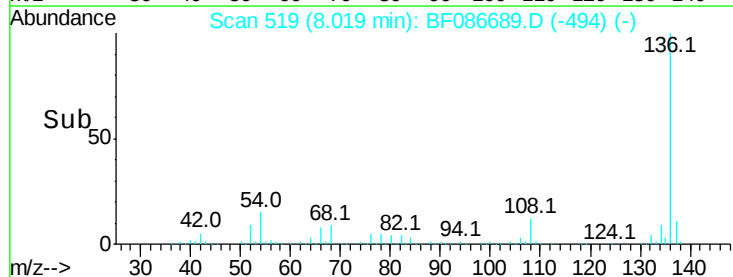
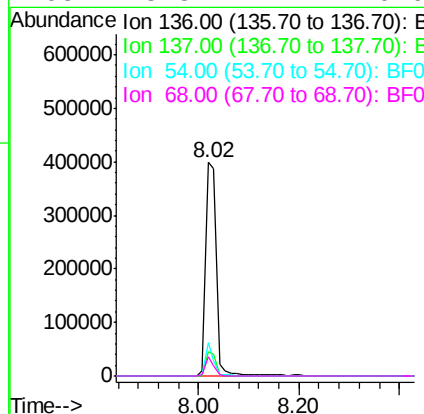
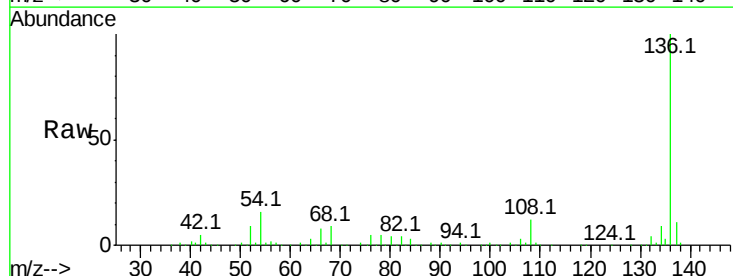
RT: 8.02 min Scan# 519

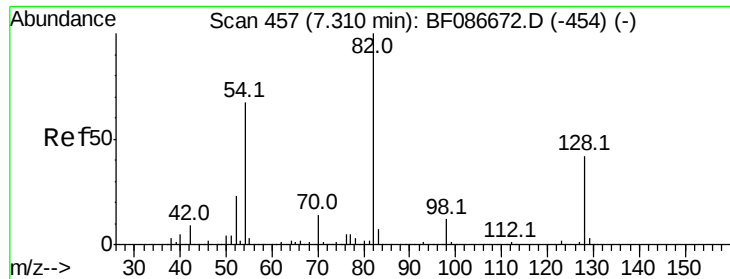
Delta R.T. -0.01 min

Lab File: BF086689.D

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Tgt Ion	136	Resp	595412
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	15.7	5.0	7.4#
68	8.8	4.4	6.6#





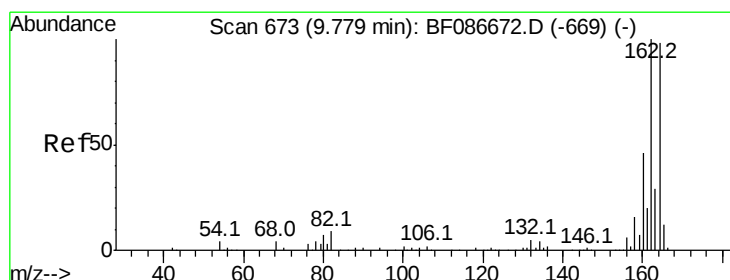
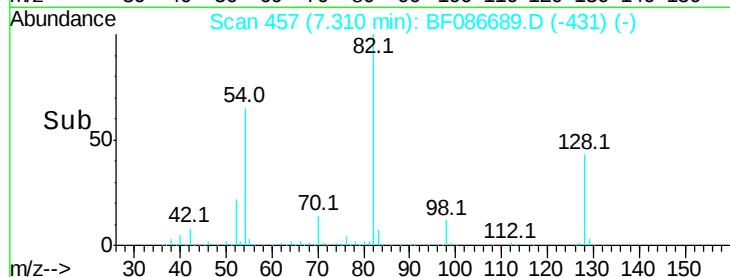
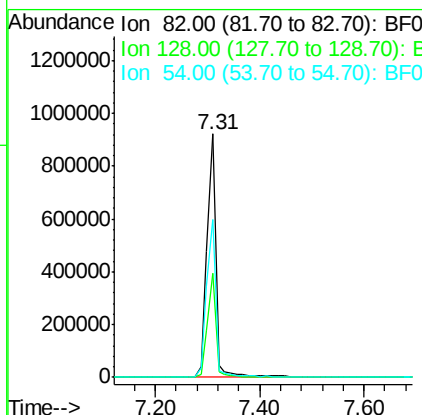
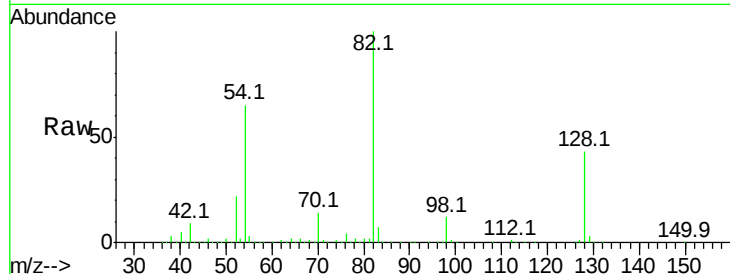
#23
 Nitrobenzene-d5
 Concen: 95.12 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.00 min
 Lab File: BF086689.D
 Acq: 4 May 2016 21:08

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-3-CS-7(12-25FTBGS)

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.6	40.6	61.0
54	64.8	38.1	57.1#

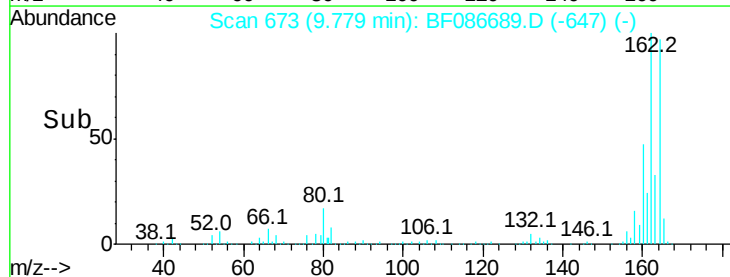
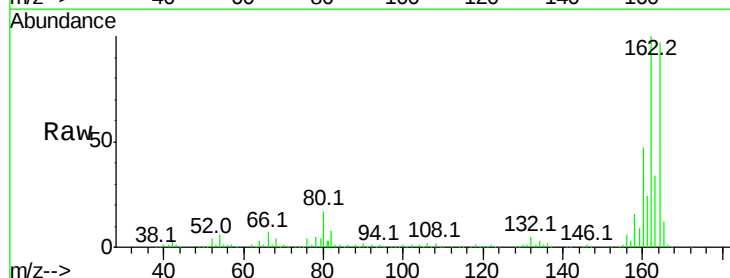
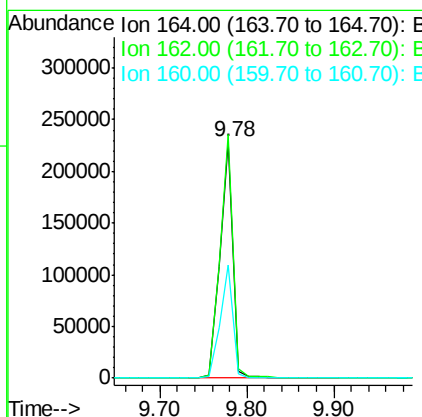
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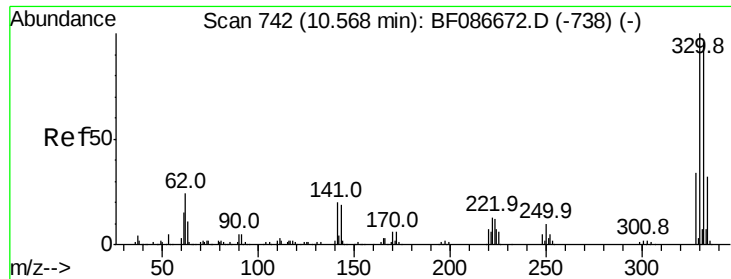
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#38
 Acenaphthene-d10
 Concen: 40.00 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.00 min
 Lab File: BF086689.D
 Acq: 4 May 2016 21:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	82.8	124.2
160	48.0	36.9	55.3





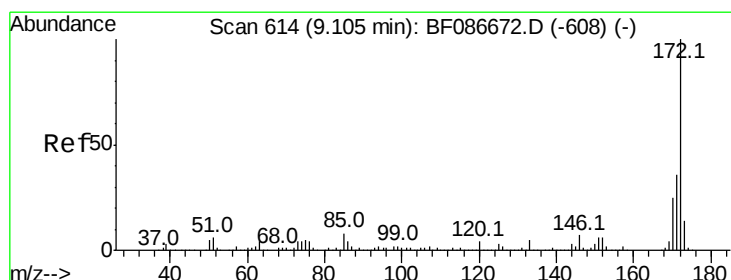
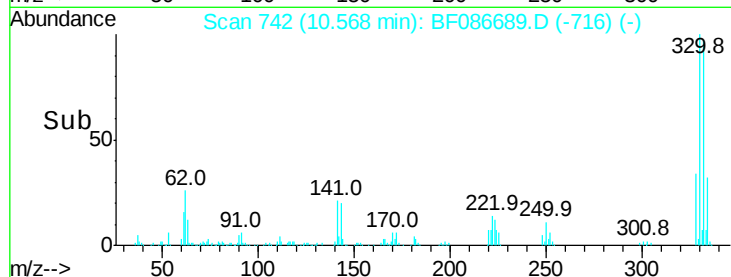
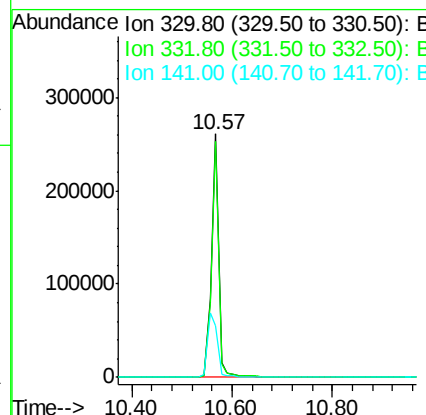
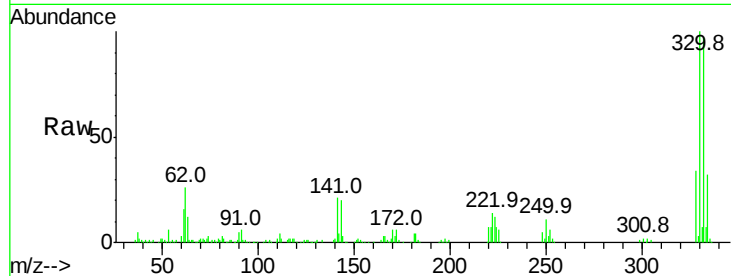
#41
 2,4,6-Tribromophenol
 Concen: 111.34 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.00 min
 Lab File: BF086689.D
 Acq: 4 May 2016 21:08

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-3-CS-7(12-25FTBGS)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	263411		
332	96.1	79.0	118.4	
141	36.1	31.2	46.8	

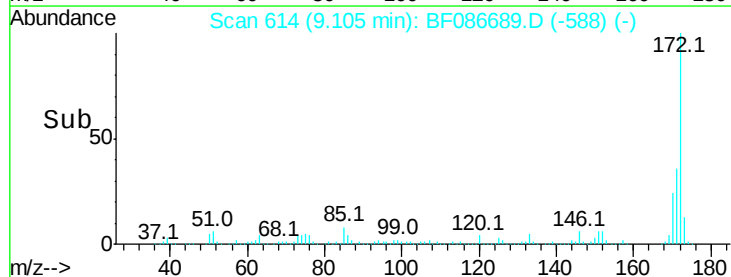
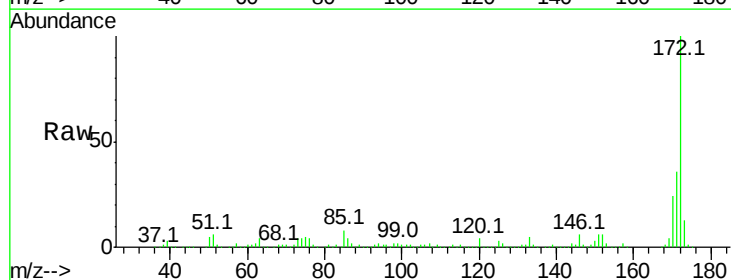
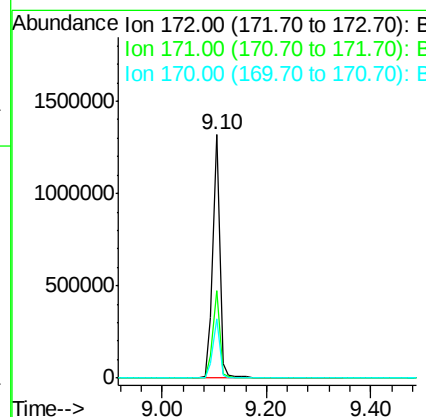
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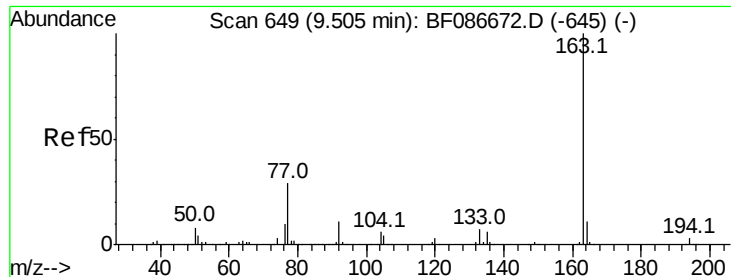
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#44
 2-Fluorobiphenyl
 Concen: 84.35 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.00 min
 Lab File: BF086689.D
 Acq: 4 May 2016 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1244408		
171	36.2	29.0	43.6	
170	24.4	19.8	29.8	





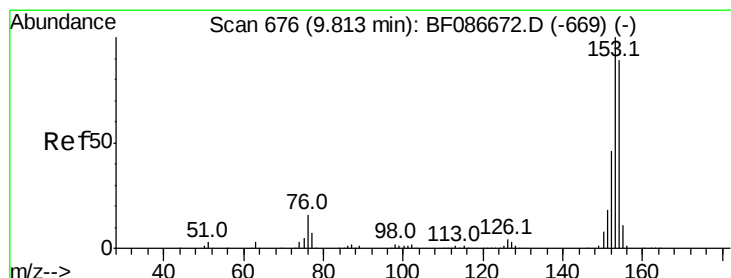
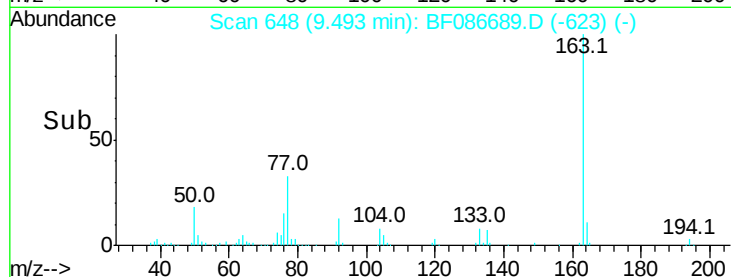
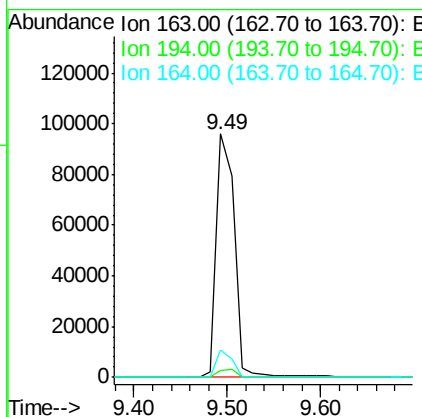
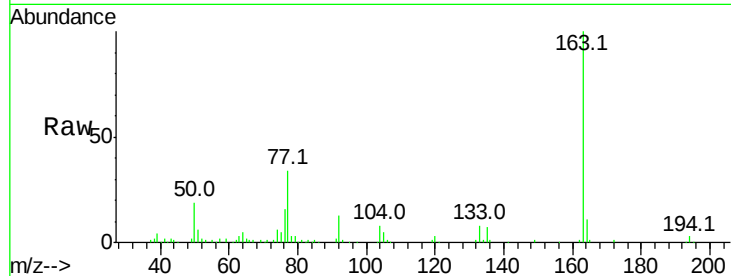
#49
Dimethylphthalate
Concen: 7.13 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.01 min
Lab File: BF086689.D
Acq: 4 May 2016 21:08

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
163	100	128524		
194	2.7		2.6	4.0
164	11.0		8.2	12.4

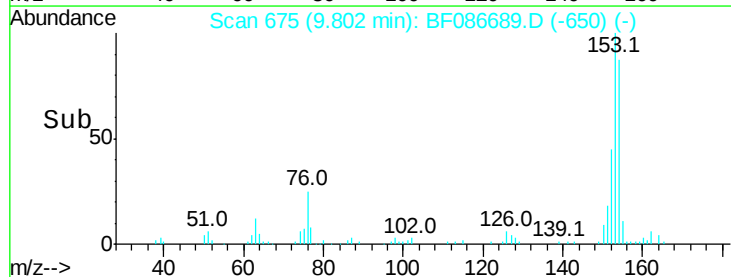
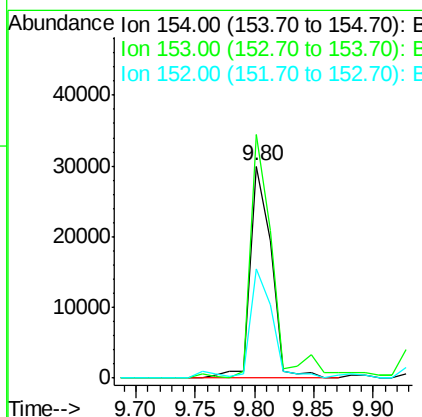
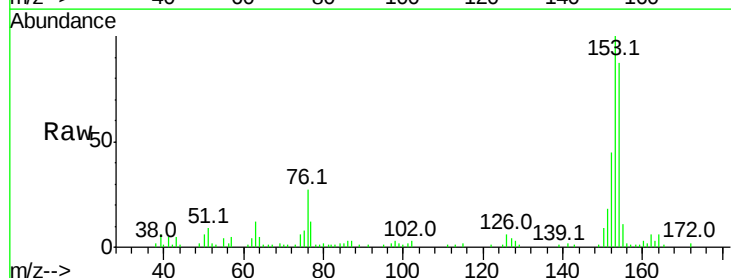
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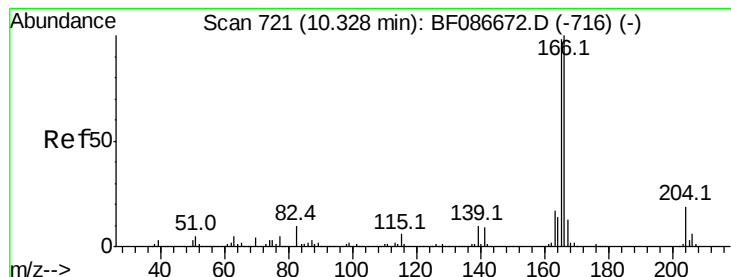
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#51
Acenaphthene
Concen: 2.49 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.01 min
Lab File: BF086689.D
Acq: 4 May 2016 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	37247		
153	114.8		89.8	134.6
152	51.6		43.4	65.0





#57

Fluorene

Concen: 2.21 ng

RT: 10.32 min Scan# 720

Delta R.T. -0.01 min

Lab File: BF086689.D

Acq: 4 May 2016 21:08

Instrument :

BNA_F

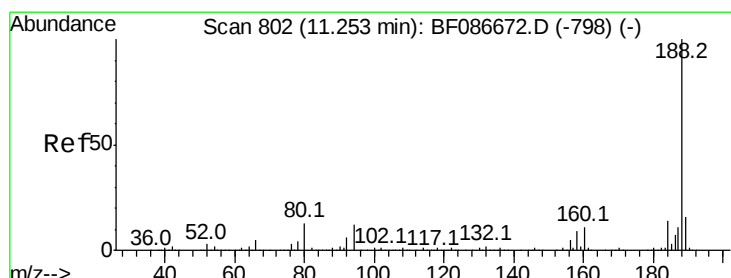
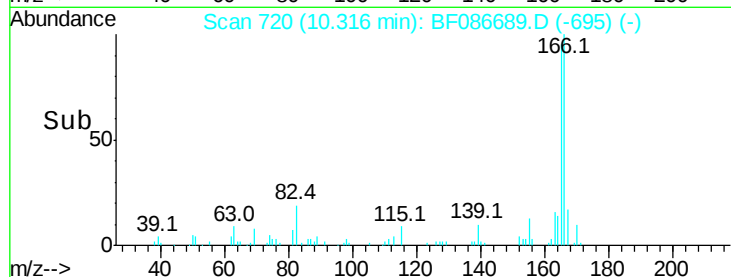
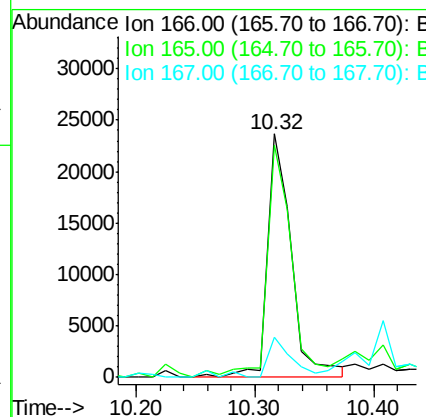
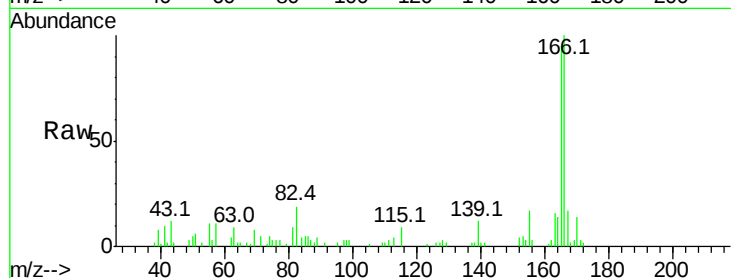
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Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	95.4	79.0	118.6	
167	16.7	10.6	15.8#	



#63

Phenanthrene-d10

Concen: 40.00 ng m

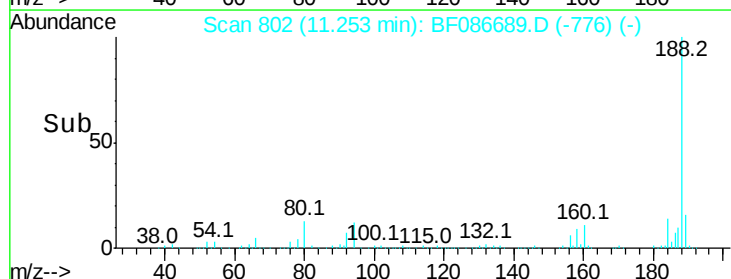
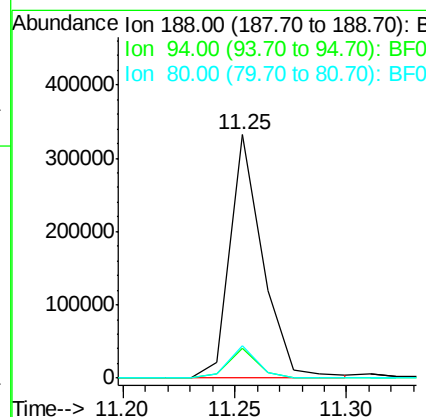
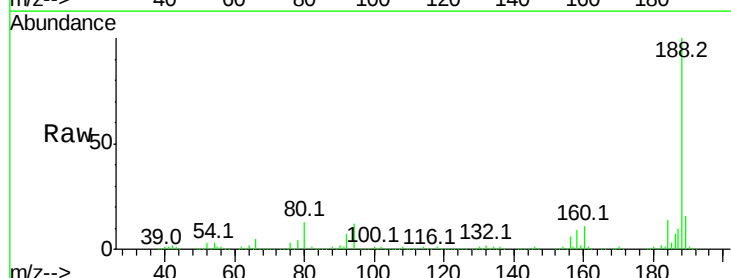
RT: 11.25 min Scan# 802

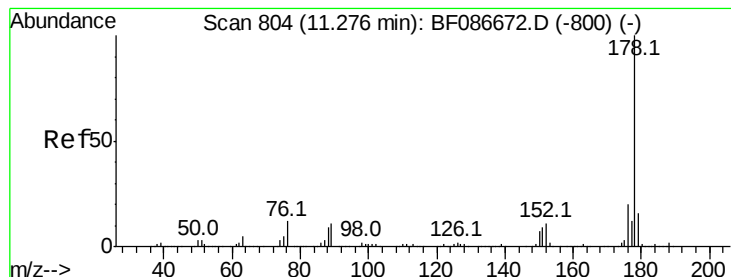
Delta R.T. -0.00 min

Lab File: BF086689.D

Acq: 4 May 2016 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	12.2	6.8	10.2#	
80	13.4	7.1	10.7#	





#70

Phenanthrene

Concen: 19.45 ng

RT: 11.28 min Scan# 804

Delta R.T. -0.00 min

Lab File: BF086689.D

Acq: 4 May 2016 21:08

Instrument :

BNA_F

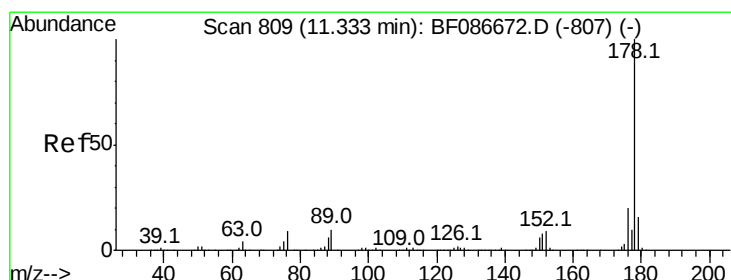
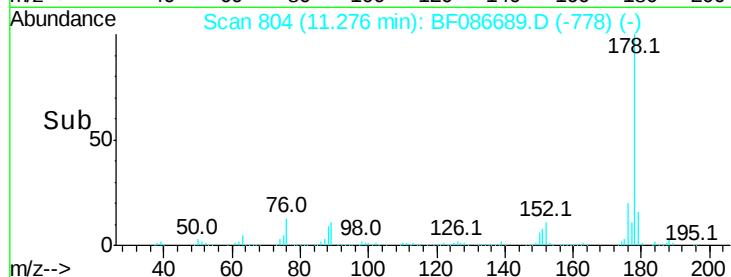
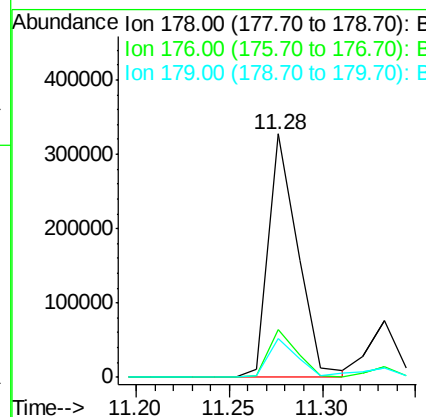
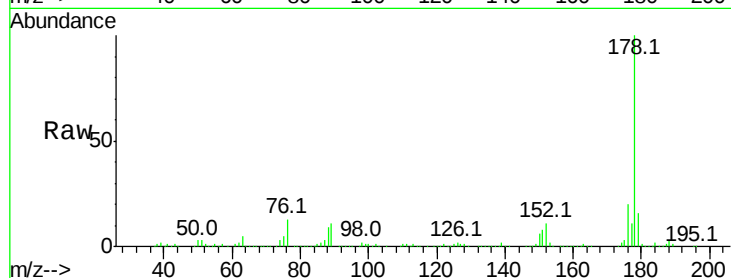
ClientSampleId :

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Tot Ion:178	Resp:	353857
Ion Ratio	Lower	Upper
178	100	
176	19.6	16.0 24.0
179	15.8	12.6 18.8

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#71

Anthracene

Concen: 4.94 ng

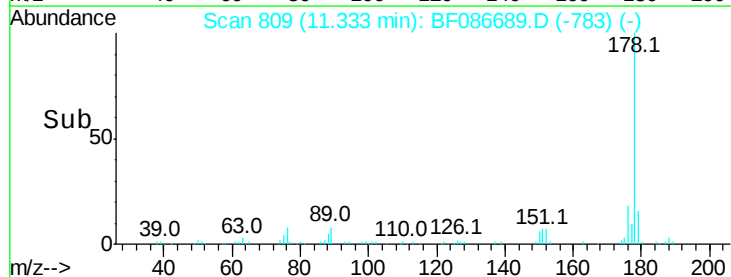
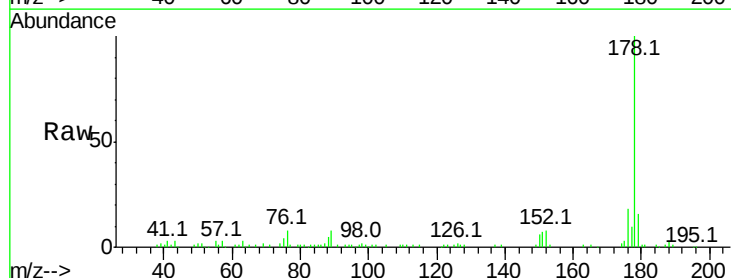
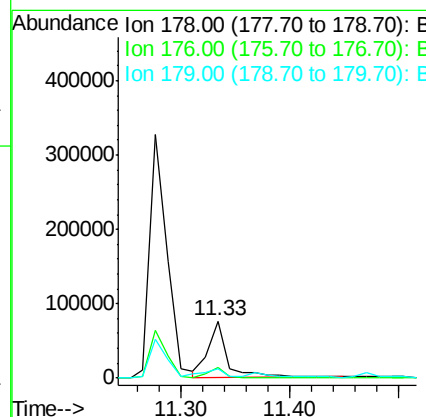
RT: 11.33 min Scan# 809

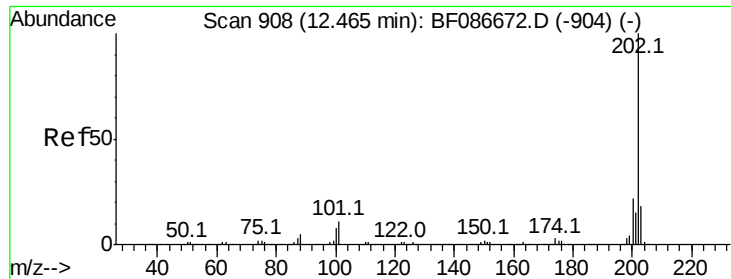
Delta R.T. -0.00 min

Lab File: BF086689.D

Acq: 4 May 2016 21:08

Tgt Ion:178	Resp:	94058
Ion Ratio	Lower	Upper
178	100	
176	18.4	15.6 23.4
179	15.5	12.7 19.1





#74

Fluoranthene

Concen: 20.75 ng

RT: 12.46 min Scan# 908

Delta R.T. -0.00 min

Lab File: BF086689.D

Acq: 4 May 2016 21:08

Instrument :

BNA_F

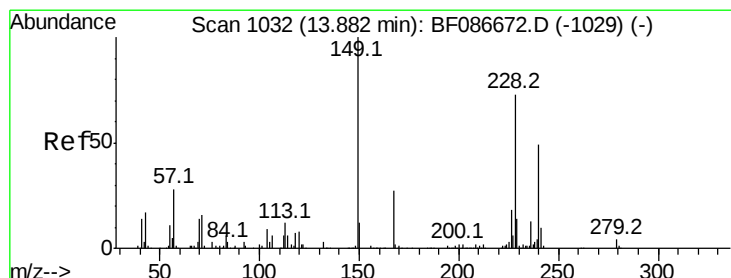
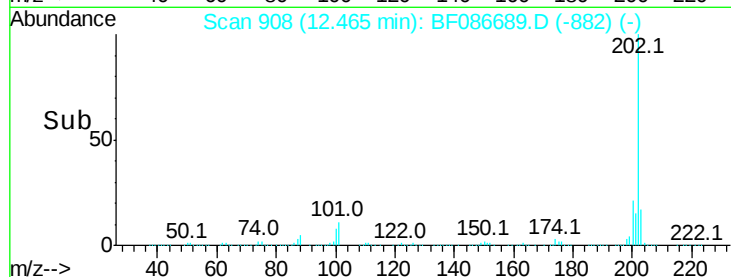
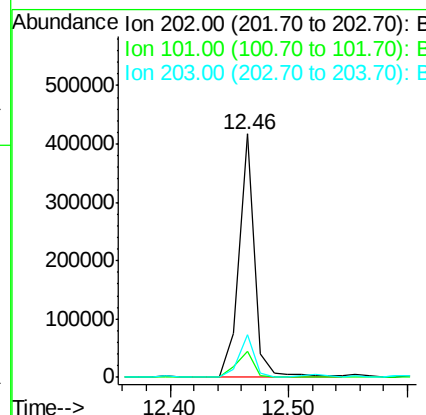
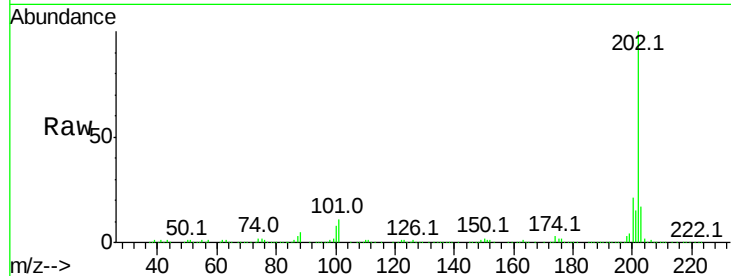
ClientSampleId :

26WARD-3-CS-7(12-25FTBGS)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	378423		
101	10.8	0.0	35.4	
203	17.3	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 40.00 ng

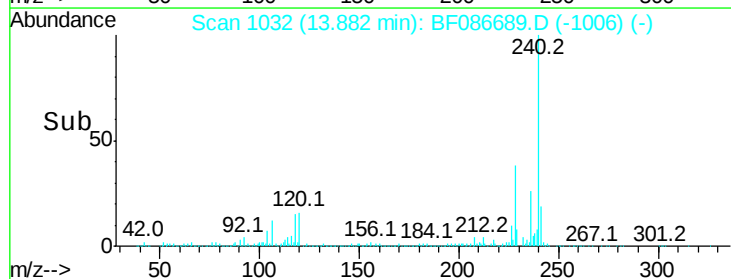
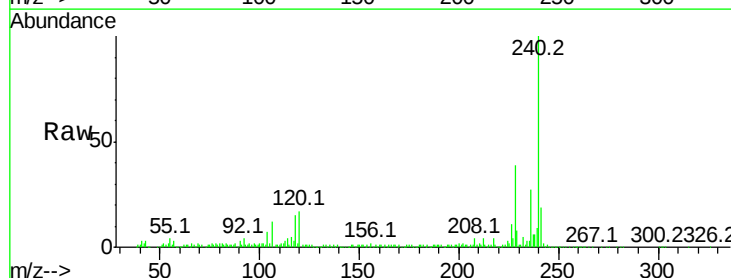
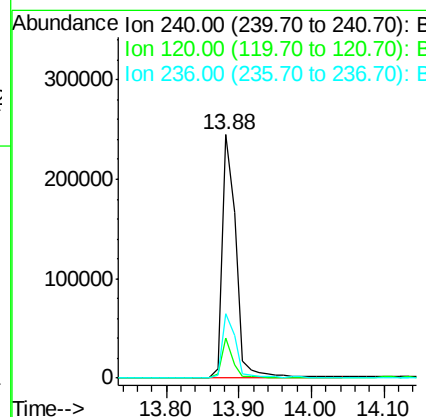
RT: 13.88 min Scan# 1032

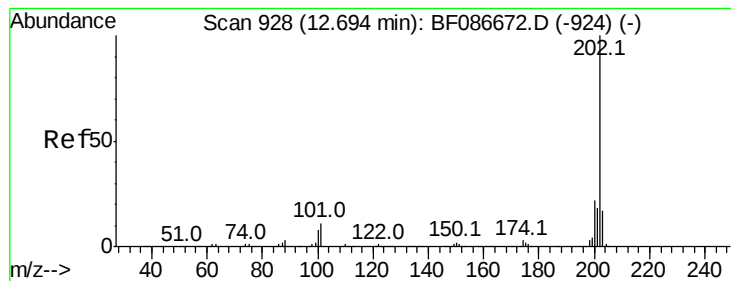
Delta R.T. -0.00 min

Lab File: BF086689.D

Acq: 4 May 2016 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	326375		
120	16.5	11.2	16.8	
236	26.7	21.2	31.8	





#77

Pvrene

Concen: 12.35 ng

RT: 12.69 min Scan# 928

Delta R.T. -0.00 min

Lab File: BF086689.D

Acq: 4 May 2016 21:08

Instrument :

BNA_F

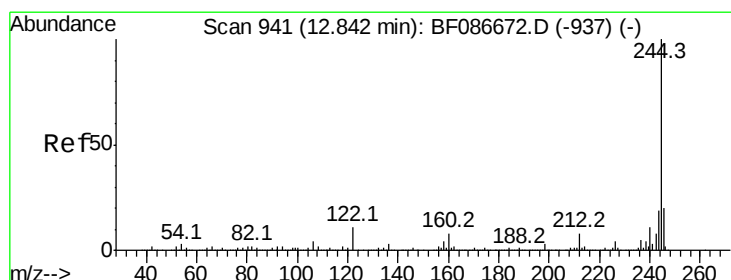
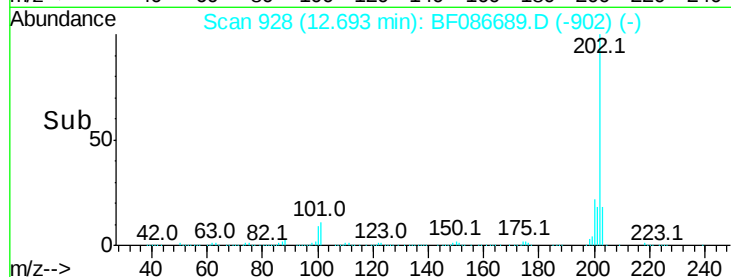
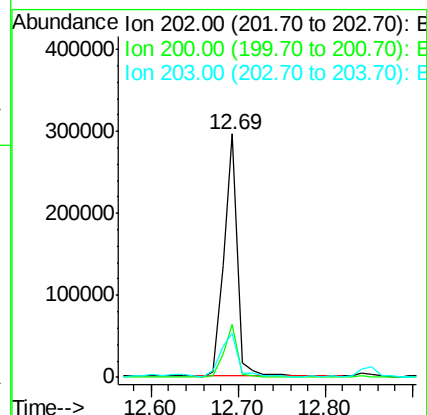
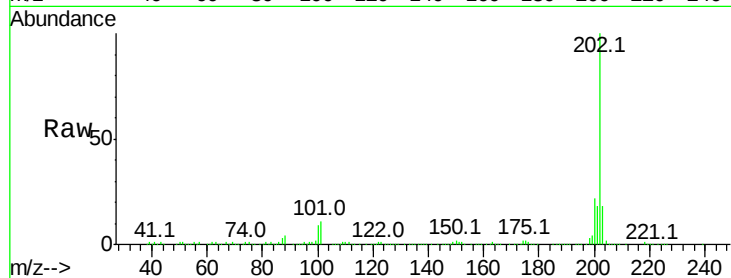
ClientSampleId :

26WARD-3-CS-7(12-25FTBGS)

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.9	17.7	26.5	
203	18.1	14.2	21.4	

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#78

Terphenyl-d14

Concen: 43.61 ng

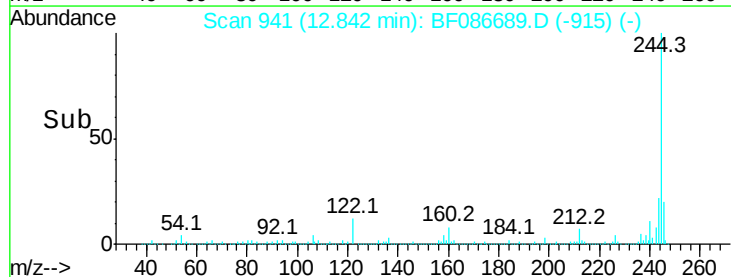
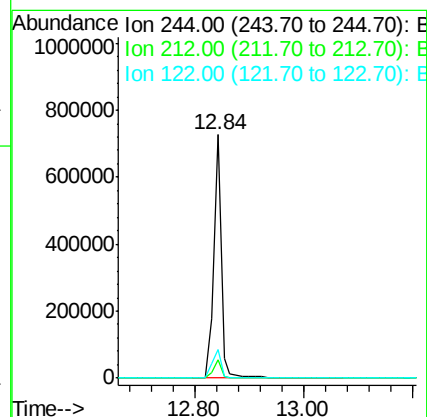
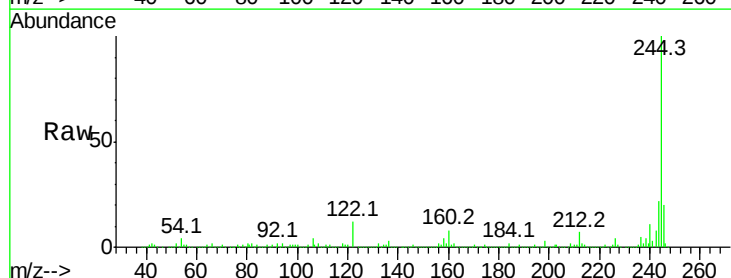
RT: 12.84 min Scan# 941

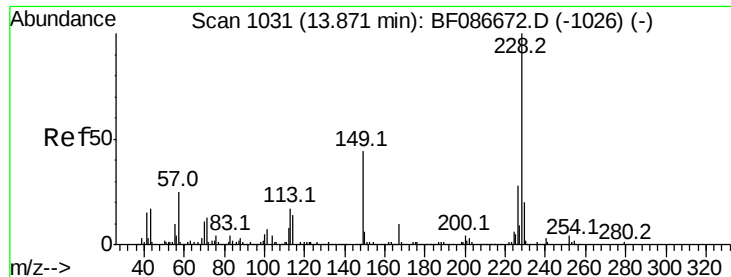
Delta R.T. -0.00 min

Lab File: BF086689.D

Acq: 4 May 2016 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.5	6.2	9.2	
122	11.5	12.0	18.0	





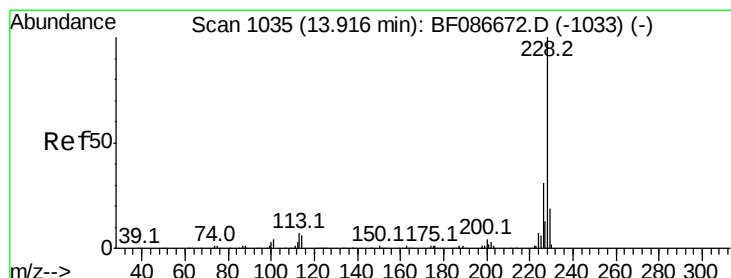
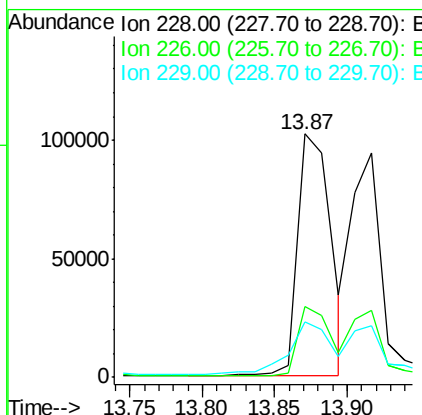
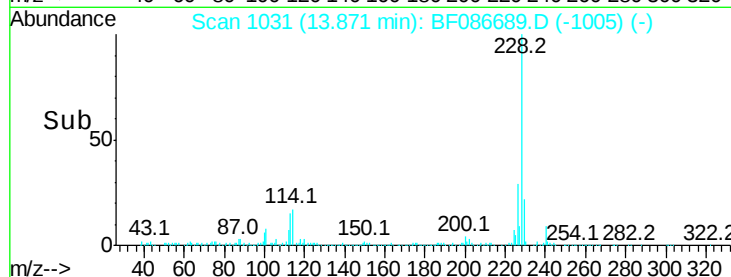
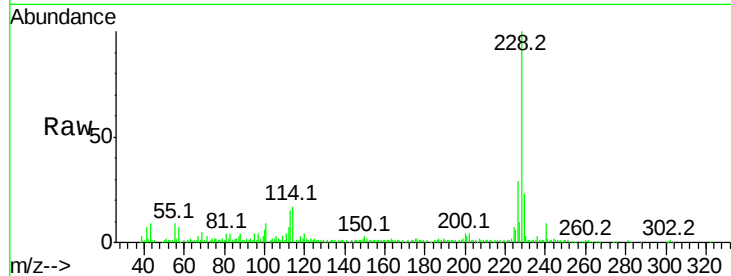
#80
Benzo(a)anthracene
Concen: 8.77 ng
RT: 13.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BF086689.D
Acq: 4 May 2016 21:08

Instrument :
BNA_F
ClientSampleId :
26WARD-3-CS-7(12-25FTBGS)

Tot Ion	Ratio	Resp	Lower	Upper
228	100	161970		
226	29.0		22.5	33.7
229	22.7		16.6	25.0

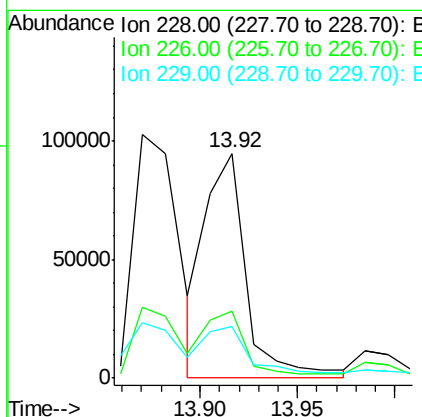
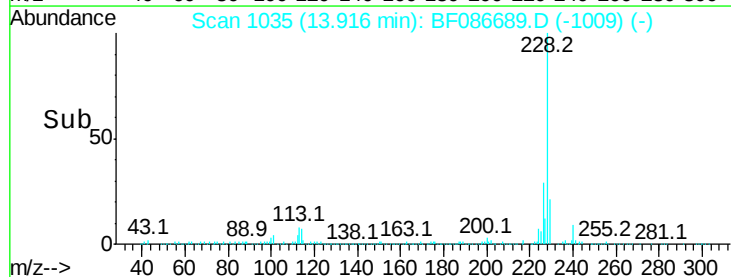
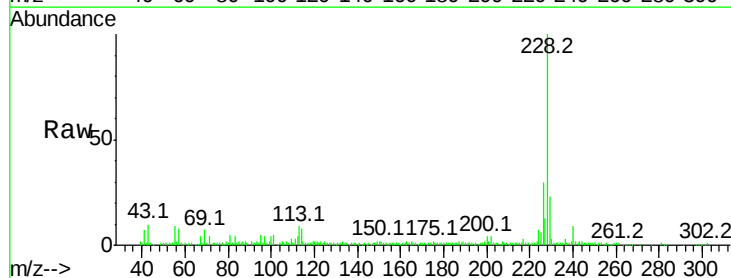
Manual Integrations
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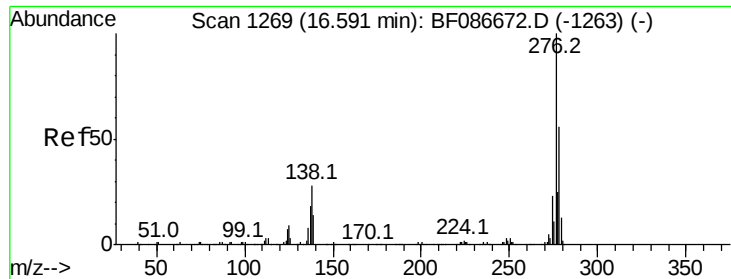
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#82
Chrysene
Concen: 7.14 ng m
RT: 13.92 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BF086689.D
Acq: 4 May 2016 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	140615		
226	30.1		24.4	36.6
229	22.8		15.8	23.8





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.48 ng

RT: 16.59 min Scan# 1269

Delta R.T. -0.00 min

Lab File: BF086689.D

Acq: 4 May 2016 21:08

Instrument :

BNA_F

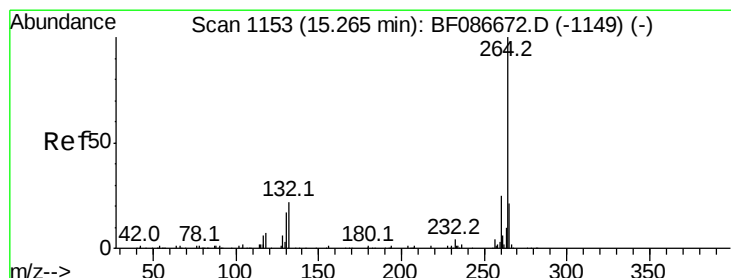
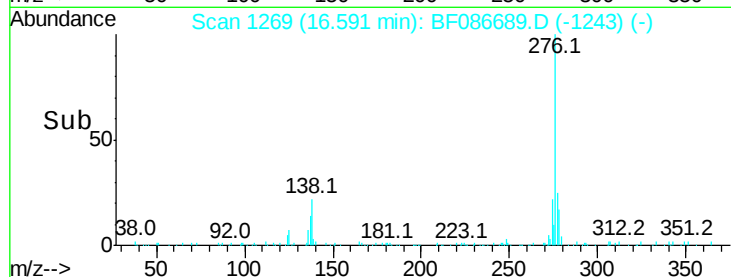
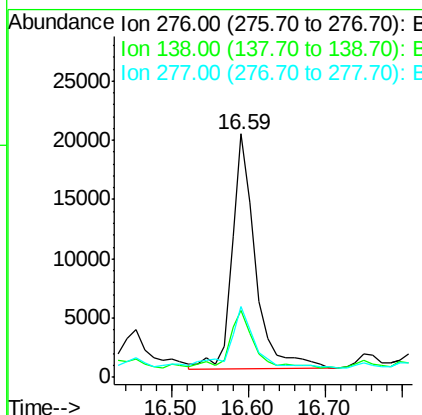
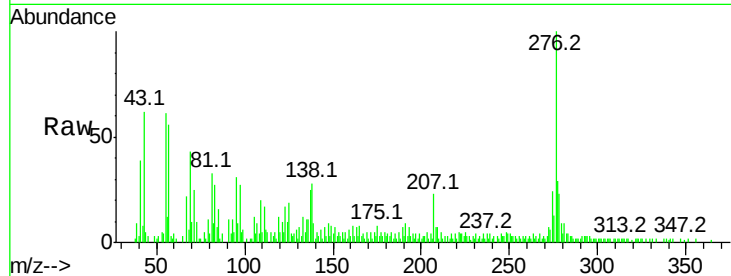
ClientSampleId :

26WARD-3-CS-7(12-25FTBGS)

Tot Ion:	276	Resp:	41921
Ion Ratio	Lower	Upper	
276	100		
138	26.8	25.6	38.4
277	25.8	20.5	30.7

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#86

Perylene-d12

Concen: 40.00 ng

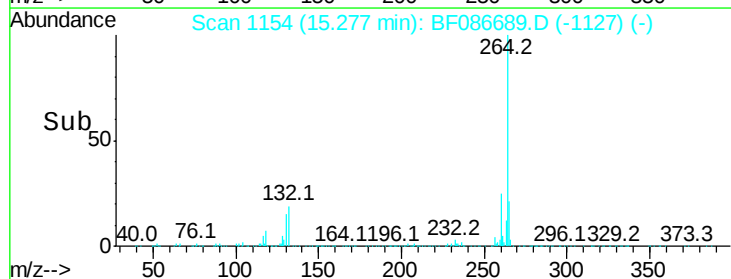
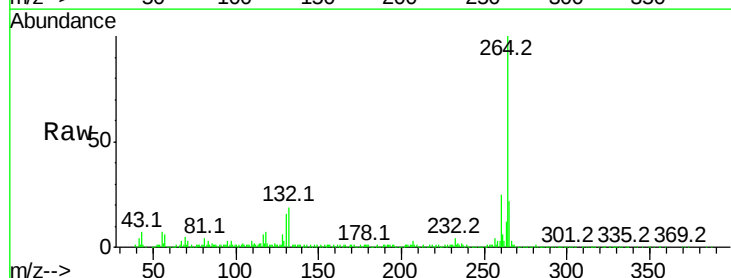
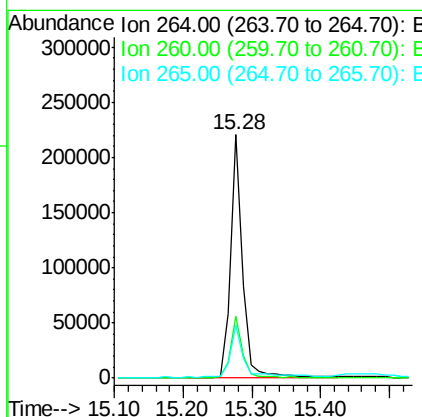
RT: 15.28 min Scan# 1154

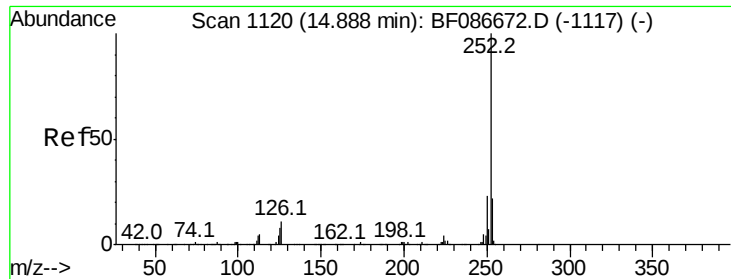
Delta R.T. 0.01 min

Lab File: BF086689.D

Acq: 4 May 2016 21:08

Tgt Ion:	264	Resp:	271634
Ion Ratio	Lower	Upper	
264	100		
260	25.2	19.5	29.3
265	21.8	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 8.07 ng m

RT: 14.89 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BF086689.D

Acq: 4 May 2016 21:08

Instrument :

BNA_F

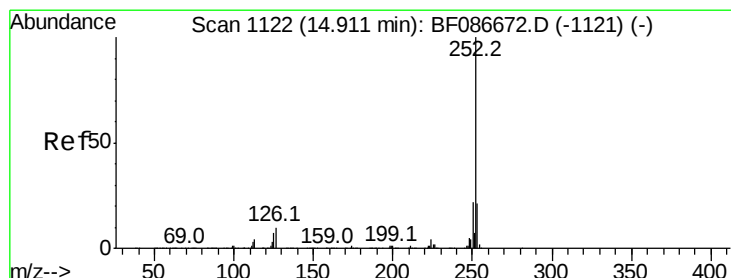
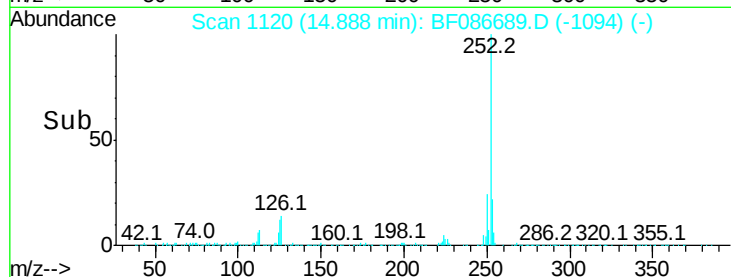
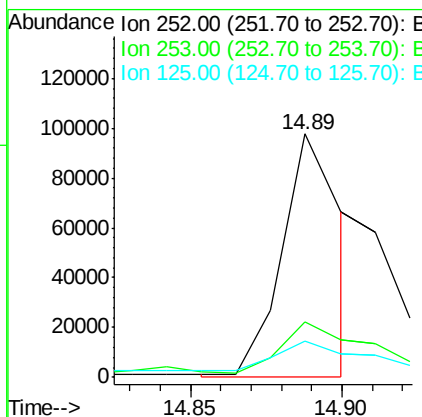
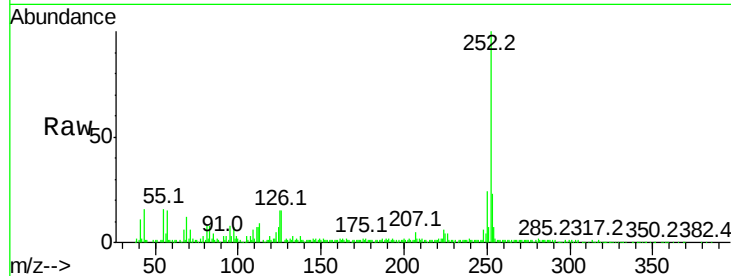
ClientSampleId :

26WARD-3-CS-7(12-25FTBGS)

Tot Ion:	252	Resp:	131743
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.8	26.6
125	15.0	11.4	17.0

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#88

Benzo(k)fluoranthene

Concen: 4.29 ng m

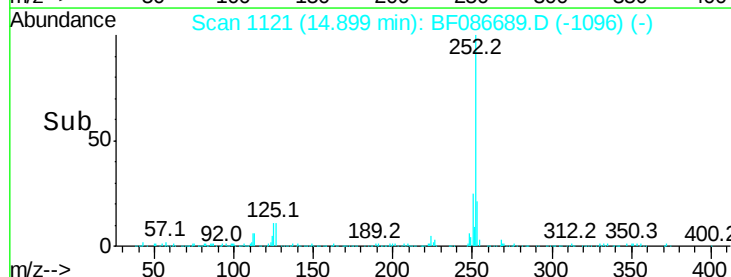
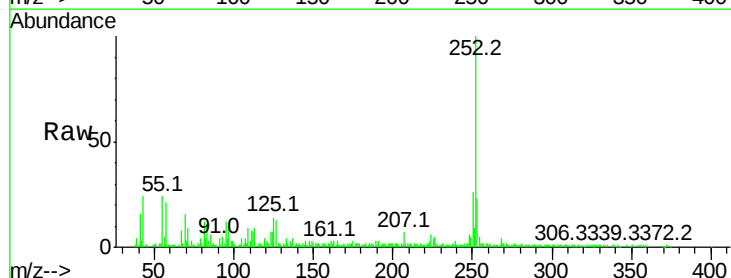
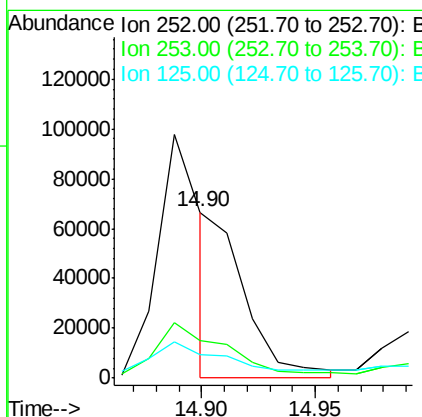
RT: 14.90 min Scan# 1121

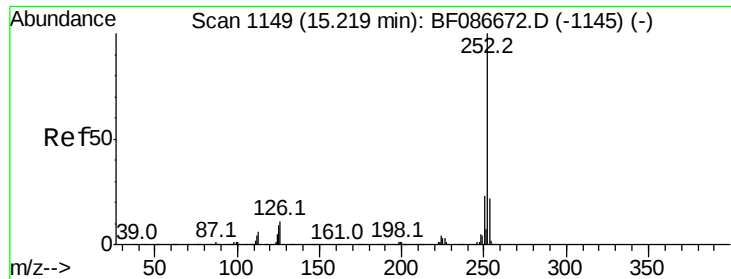
Delta R.T. -0.01 min

Lab File: BF086689.D

Acq: 4 May 2016 21:08

Tgt Ion:	252	Resp:	66015
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.8	26.6
125	14.5	9.1	13.7#





#89

Benzo(a)pyrene

Concen: 6.53 ng

RT: 15.22 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BF086689.D

Acq: 4 May 2016 21:08

Instrument :

BNA_F

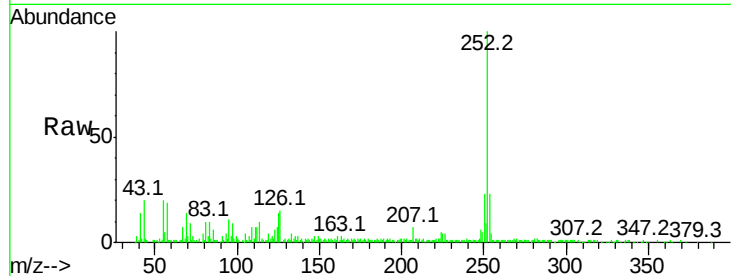
ClientSampleId :

26WARD-3-CS-7(12-25FTBGS)

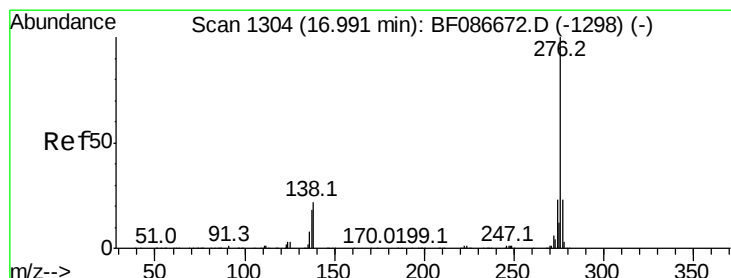
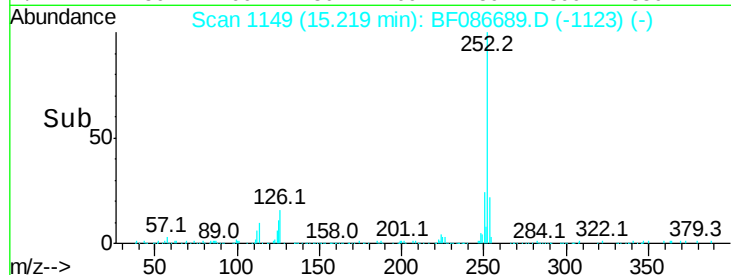
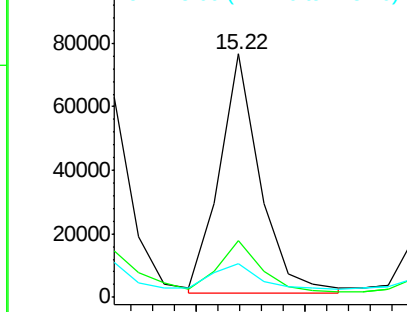
Tot Ion:	252	Resp:	98229
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.2	25.8
125	14.0	9.0	13.6

Manual Integrations
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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



#91

Benzo(g,h,i)perylene

Concen: 2.49 ng

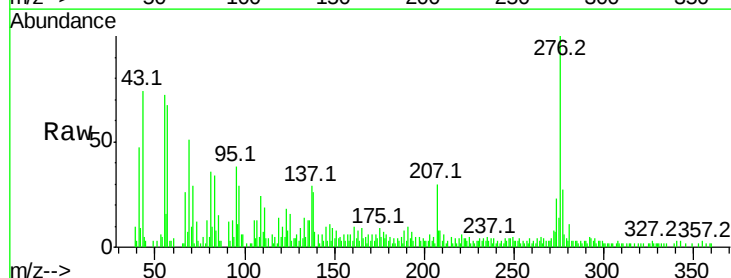
RT: 16.99 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BF086689.D

Acq: 4 May 2016 21:08

Tgt Ion:	276	Resp:	37759
Ion Ratio	Lower	Upper	
276	100		
277	27.2	19.6	29.4
138	26.2	23.6	35.4



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

