

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080115\
 Data File : BF080787.D
 Acq On : 1 Aug 2015 18:30
 Operator : TP/UM
 Sample : G3090-03
 Misc :
 ALS Vial : 73 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WCS3-072315

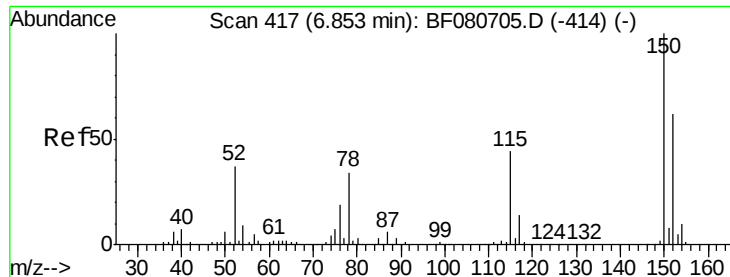
Manual Integrations
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 8/3/2015 3:41:15 PM

Quant Time: Aug 03 06:55:39 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF073015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 31 01:45:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	110631	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	398841	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	176230	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	303375	20.00	ng	0.00
75) Chrysene-d12	14.00	240	245097	20.00	ng	0.00
86) Perylene-d12	15.41	264	310642	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	798266	123.78	ng	0.01
7) Phenol-d6	6.48	99	1110389	126.47	ng	-0.01
23) Nitrobenzene-d5	7.41	82	717004	87.06	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	225726	123.44	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	922761	78.12	ng	-0.01
78) Terphenyl-d14	12.95	244	730631	56.38	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.61	163	210065	16.91	ng	96
51) Acenaphthene	9.92	154	27919	2.61	ng	97
70) Phenanthrene	11.39	178	513959	33.63	ng	98
71) Anthracene	11.44	178	106134	7.07	ng	98
72) Carbazole	11.60	167	53773	4.13	ng	96
74) Fluoranthene	12.58	202	801103	54.21	ng	95
77) Pyrene	12.80	202	643721	33.86	ng	98
80) Benzo(a)anthracene	13.99	228	391210	26.54	ng	99
82) Chrysene	14.02	228	379463m	26.52	ng	
83) Bis(2-ethylhexyl)phthalate	13.99	149	19350	2.04	ng	92
85) Indeno(1,2,3-cd)pyrene	16.80	276	267865m	22.17	ng	
87) Benzo(b)fluoranthene	15.01	252	602551m	32.47	ng	
88) Benzo(k)fluoranthene	15.04	252	187534m	12.28	ng	
89) Benzo(a)pyrene	15.36	252	412110m	27.05	ng	
90) Dibenzo(a,h)anthracene	16.81	278	74381	5.45	ng	94
91) Benzo(g,h,i)perylene	17.21	276	256250	19.10	ng	# 95

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF080787.D

Acq: 1 Aug 2015 18:30

Instrument :

BNA_F

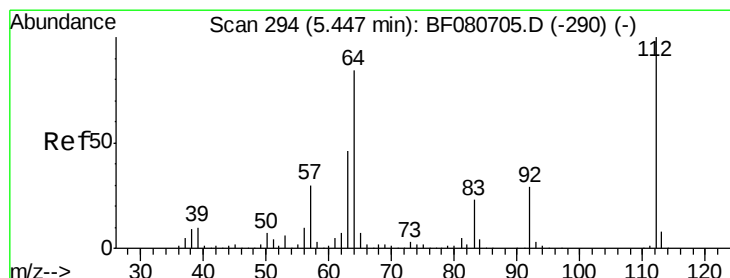
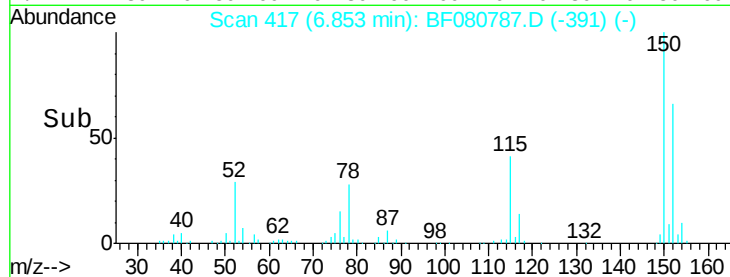
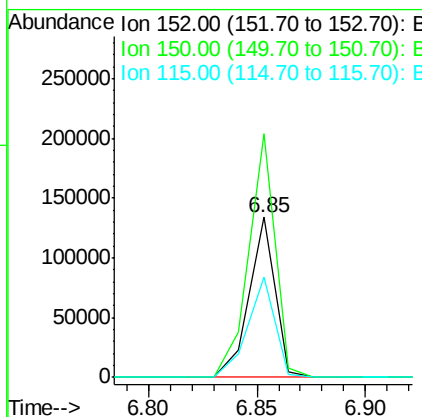
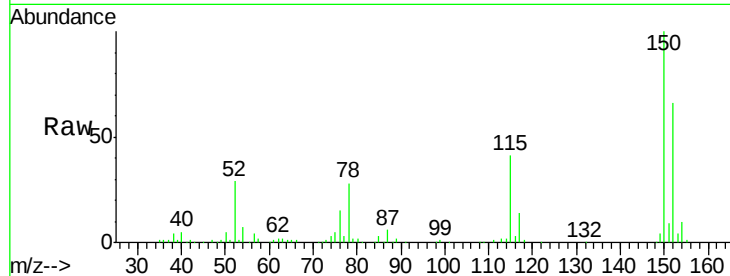
ClientSampleId :

WCS3-072315

Tgt	Ion	152	Resp:	110631
	Ion	Ratio	Lower	Upper
	152	100		
	150	152.3	129.6	194.4
	115	62.5	56.6	85.0

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#5

2-Fluorophenol

Concen: 123.78 ng

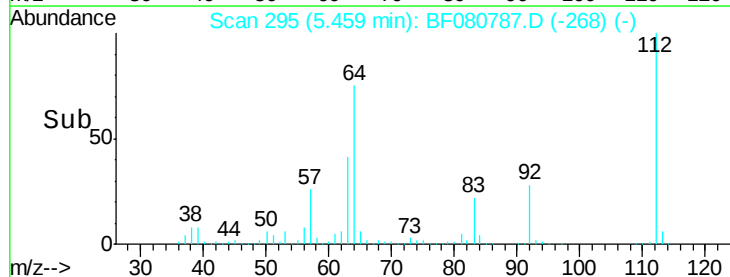
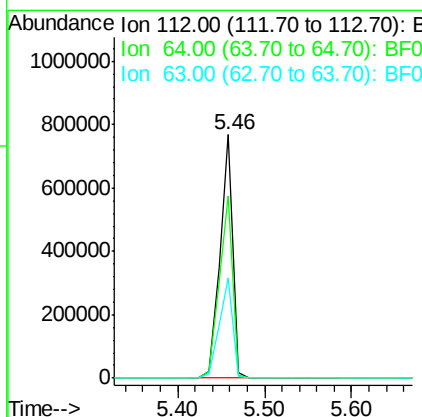
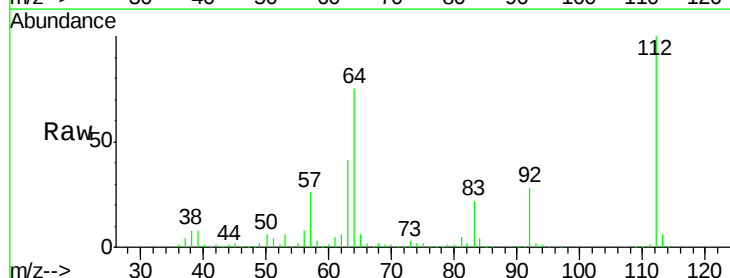
RT: 5.46 min Scan# 295

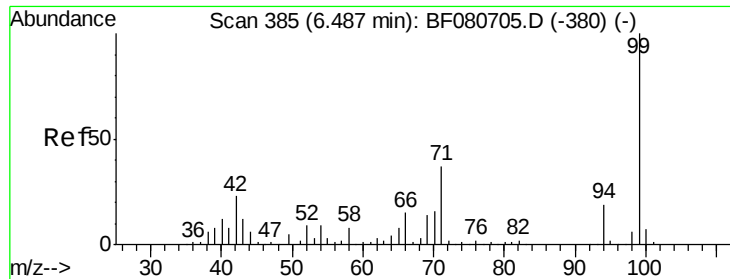
Delta R.T. 0.01 min

Lab File: BF080787.D

Acq: 1 Aug 2015 18:30

Tgt	Ion	112	Resp:	798266
	Ion	Ratio	Lower	Upper
	112	100		
	64	74.7	66.8	100.2
	63	41.1	36.7	55.1





#7

Phenol-d6

Concen: 126.47 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF080787.D

Acq: 1 Aug 2015 18:30

Instrument :

BNA_F

ClientSampleId :

WCS3-072315

Tgt Ion: 99 Resp: 1110389

Ion Ratio Lower Upper

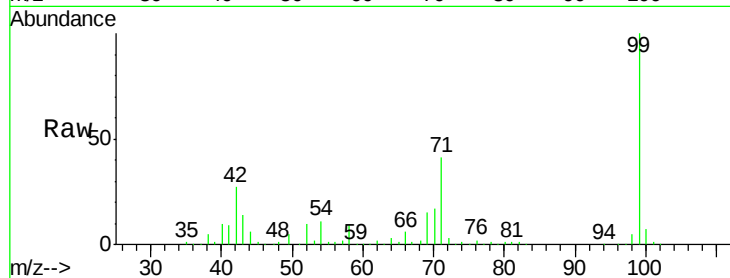
99 100

42 26.6 18.2 27.2

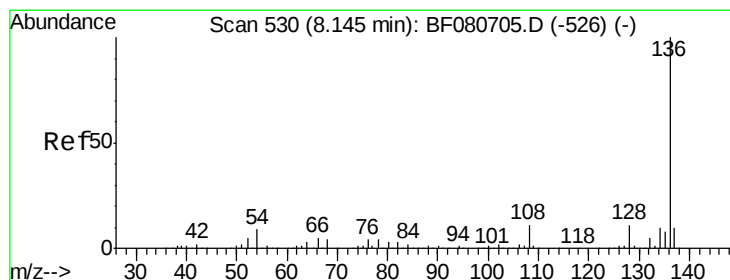
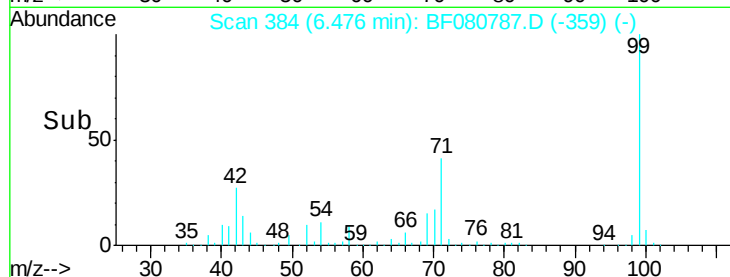
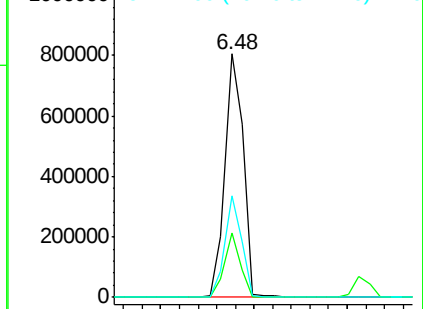
71 41.5 29.5 44.3

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF080787.D

Acq: 1 Aug 2015 18:30

Tgt Ion: 136 Resp: 398841

Ion Ratio Lower Upper

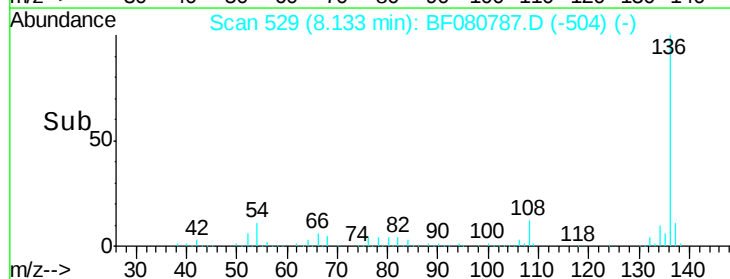
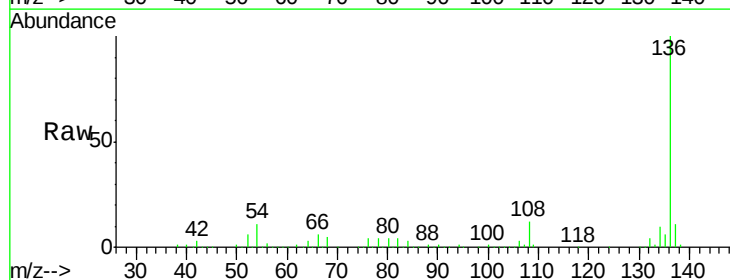
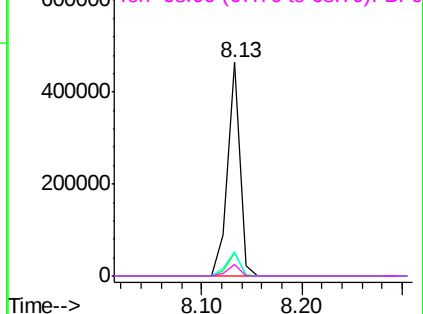
136 100

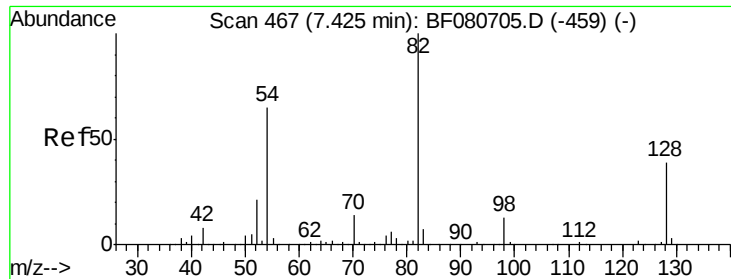
137 10.9 8.4 12.6

54 11.4 6.9 10.3#

68 5.2 3.5 5.3

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





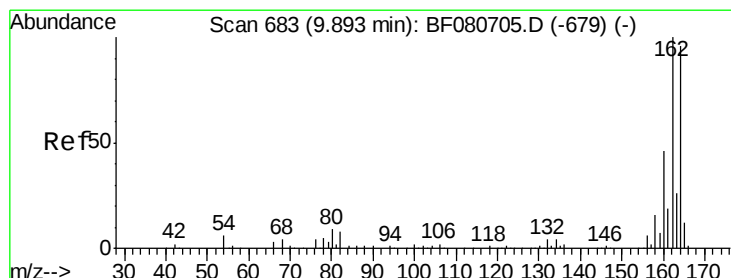
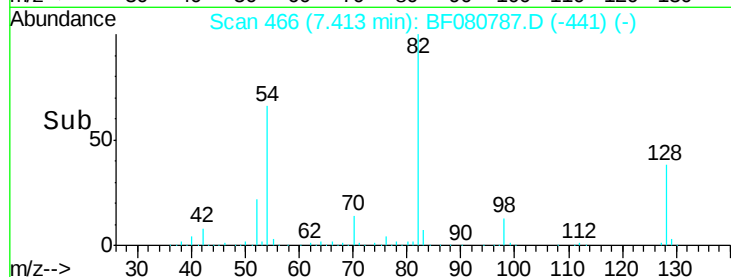
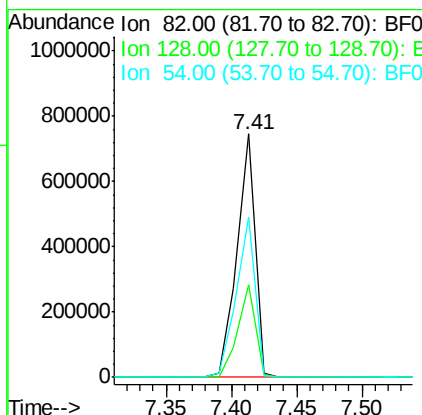
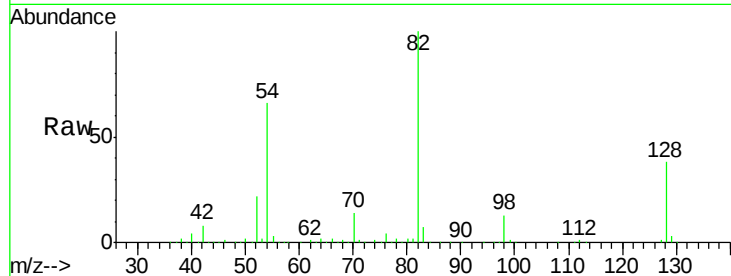
#23
 Nitrobenzene-d5
 Concen: 87.06 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.01 min
 Lab File: BF080787.D
 Acq: 1 Aug 2015 18:30

Instrument :
 BNA_F
 ClientSampleId :
 WCS3-072315

Tgt Ion	82	Resp	717004
Ion Ratio	100	Lower	Upper
128	37.8	31.5	47.3
54	65.7	51.8	77.8

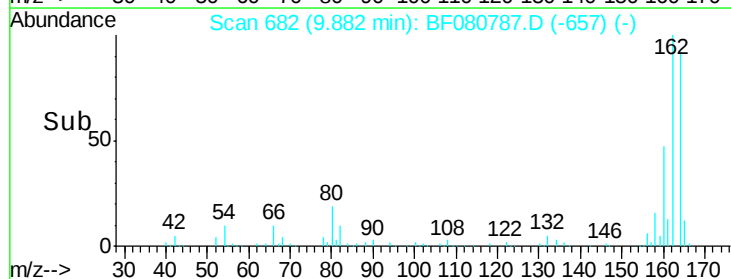
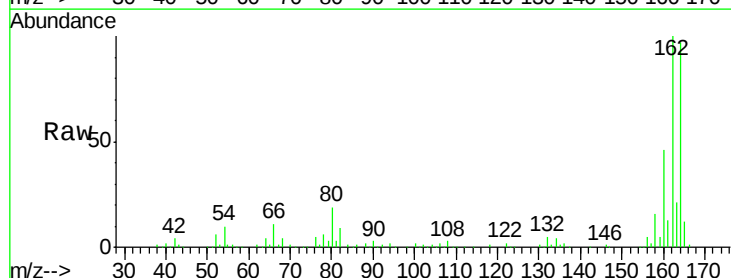
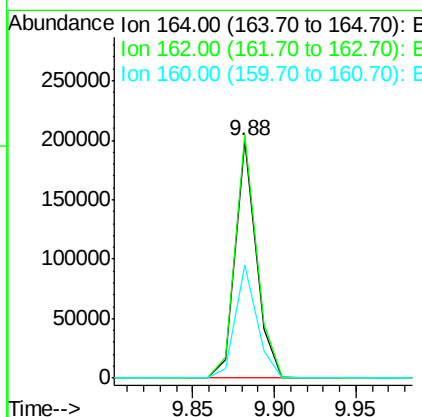
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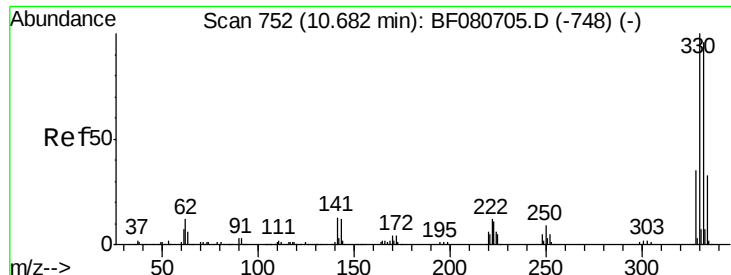
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BF080787.D
 Acq: 1 Aug 2015 18:30

Tgt Ion	164	Resp	176230
Ion Ratio	100	Lower	Upper
162	102.6	83.4	125.0
160	47.6	38.0	57.0





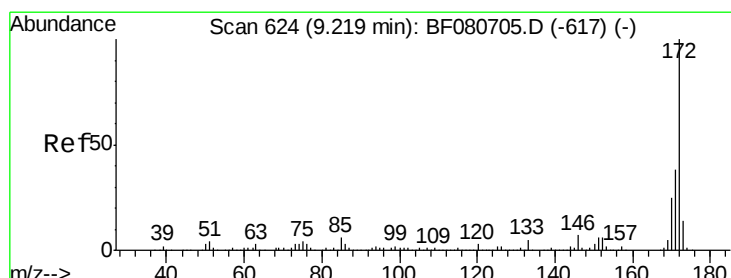
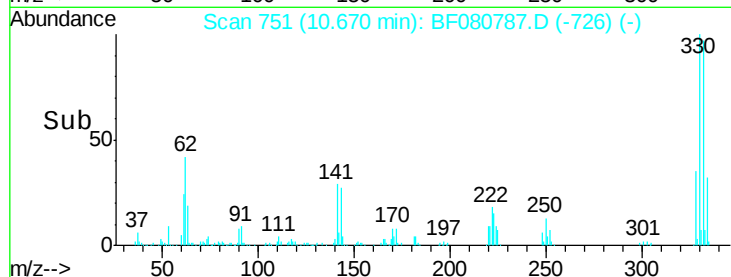
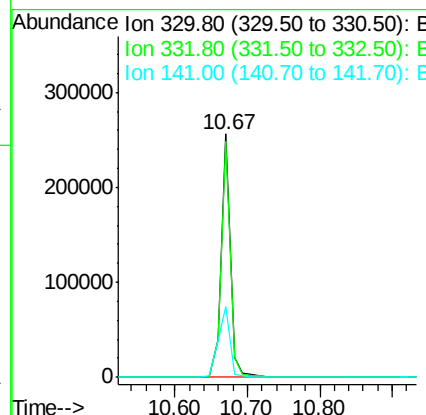
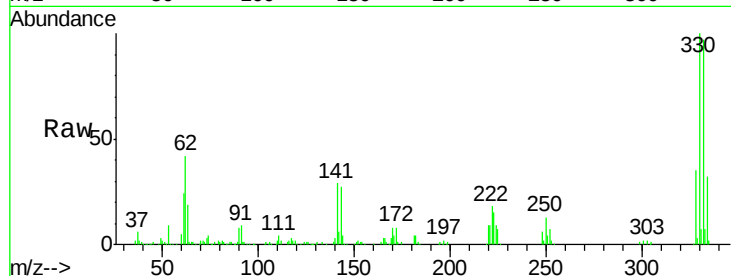
#41
 2,4,6-Tribromophenol
 Concen: 123.44 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF080787.D
 Acq: 1 Aug 2015 18:30

Instrument :
 BNA_F
 ClientSampleId :
 WCS3-072315

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	225726		
332	97.1	76.6	114.8	
141	36.6	26.0	39.0	

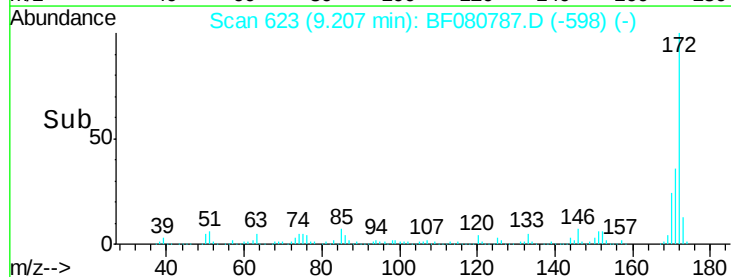
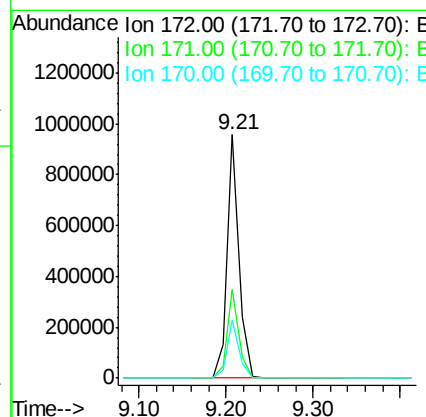
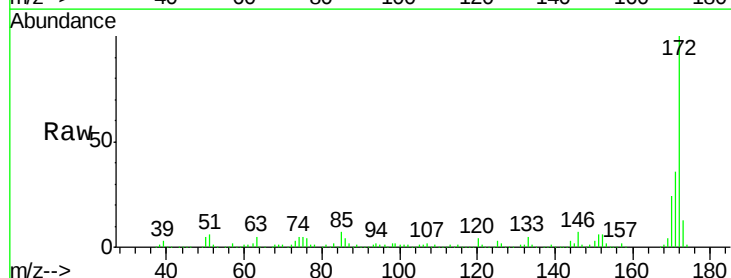
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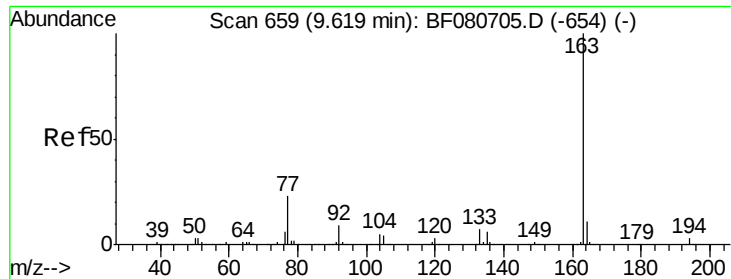
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#44
 2-Fluorobiphenyl
 Concen: 78.12 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF080787.D
 Acq: 1 Aug 2015 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	922761		
171	36.2	30.2	45.4	
170	24.0	20.2	30.2	





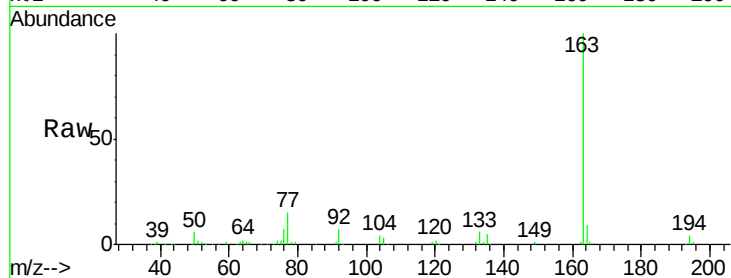
#49
Dimethylphthalate
Concen: 16.91 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF080787.D
Acq: 1 Aug 2015 18:30

Instrument :
BNA_F
ClientSampleId :
WCS3-072315

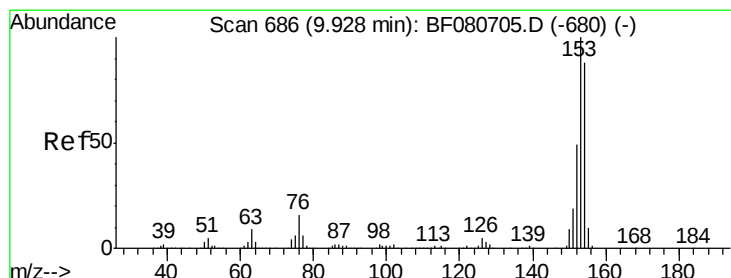
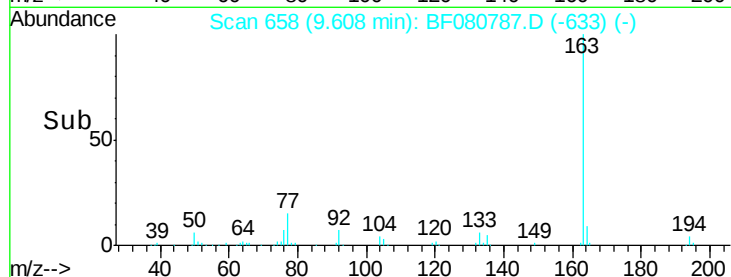
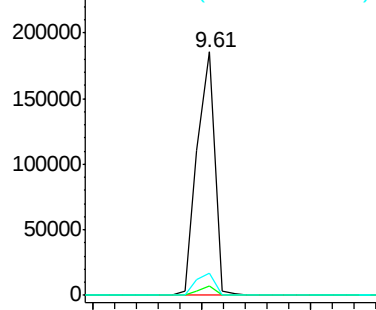
Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	4.1	2.7	4.1
164	9.2	8.7	13.1

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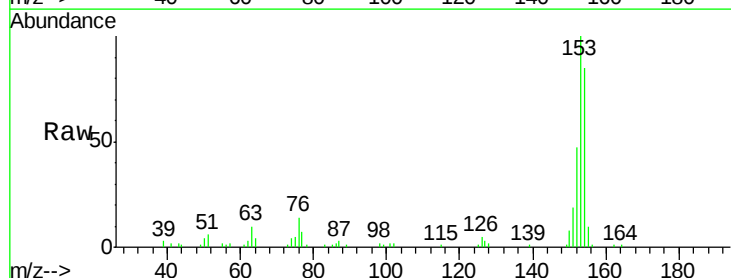


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

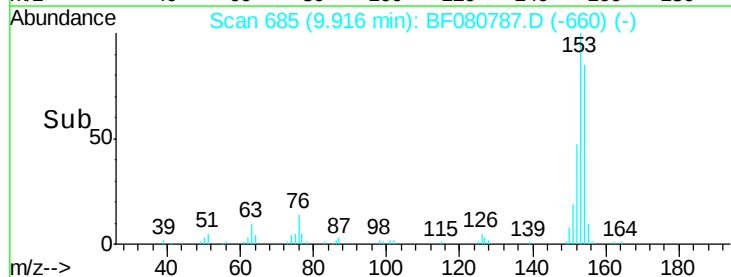
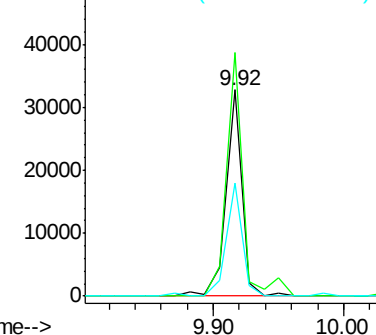


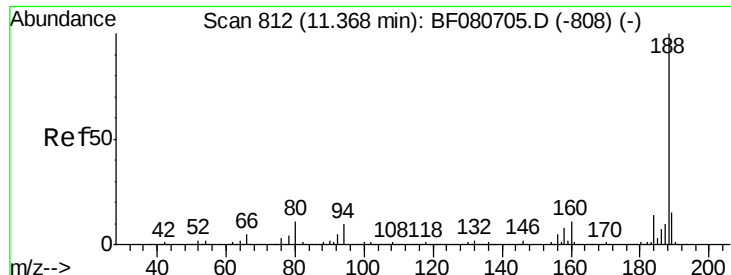
#51
Acenaphthene
Concen: 2.61 ng
RT: 9.92 min Scan# 685
Delta R.T. -0.01 min
Lab File: BF080787.D
Acq: 1 Aug 2015 18:30

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	118.1	90.7	136.1
152	55.0	44.2	66.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





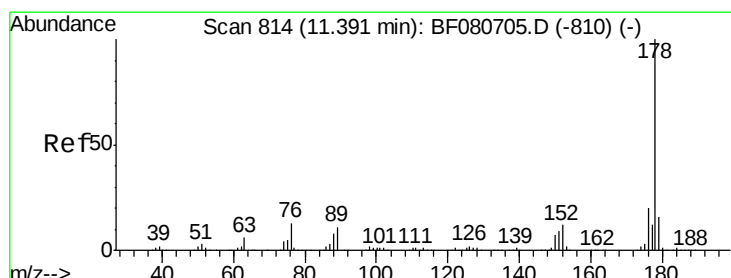
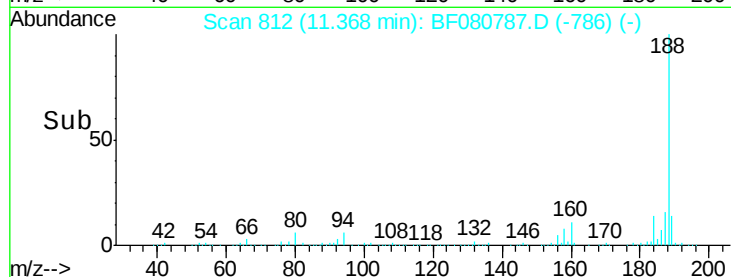
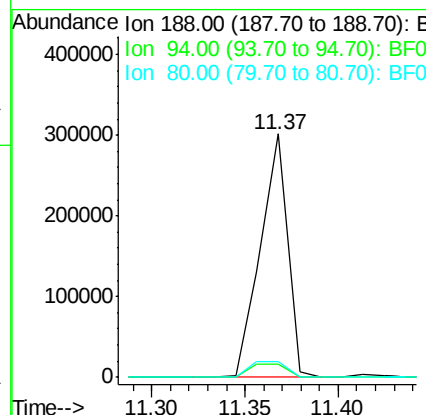
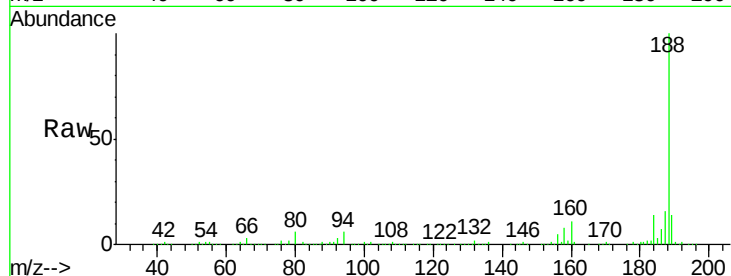
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF080787.D
Acq: 1 Aug 2015 18:30

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Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	5.6	8.1	12.1#
80	6.4	9.1	13.7#

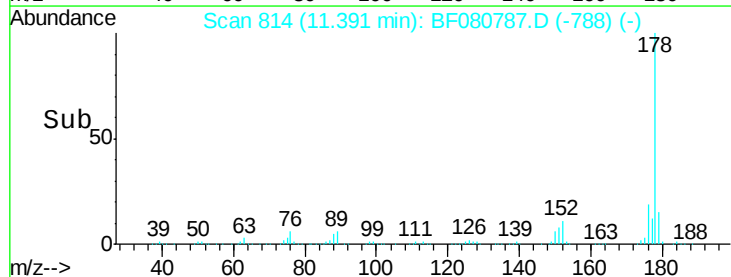
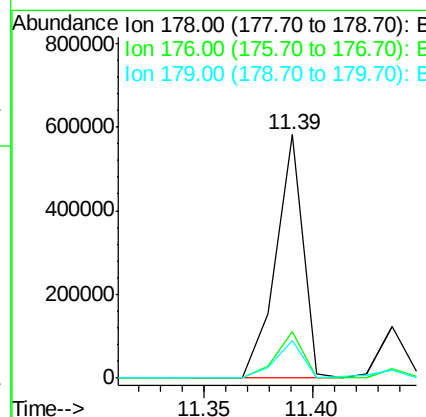
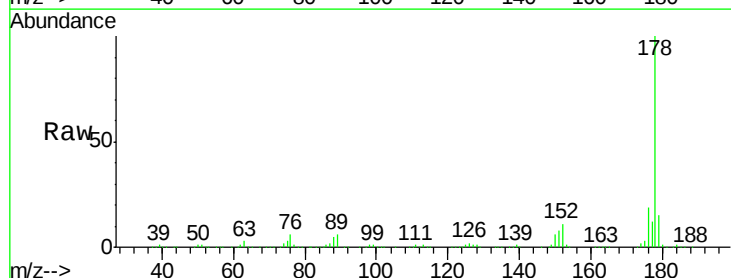
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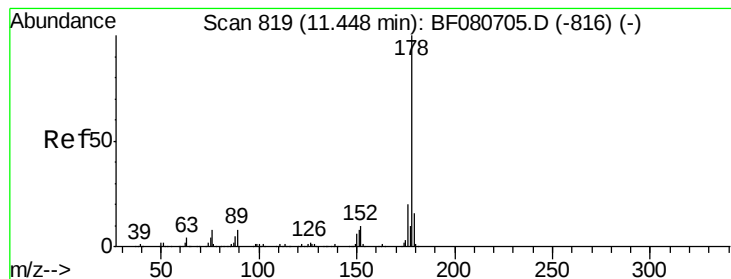
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#70
Phenanthrene
Concen: 33.63 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF080787.D
Acq: 1 Aug 2015 18:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.1	16.2	24.4
179	15.3	13.0	19.4





#71

Anthracene

Concen: 7.07 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.01 min

Lab File: BF080787.D

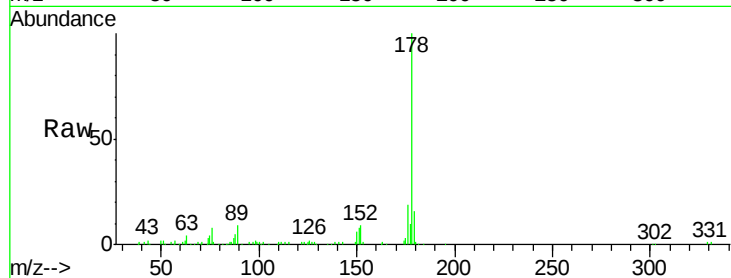
Acq: 1 Aug 2015 18:30

Instrument :

BNA_F

ClientSampleId :

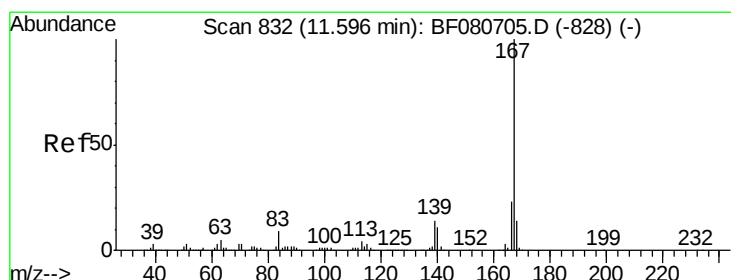
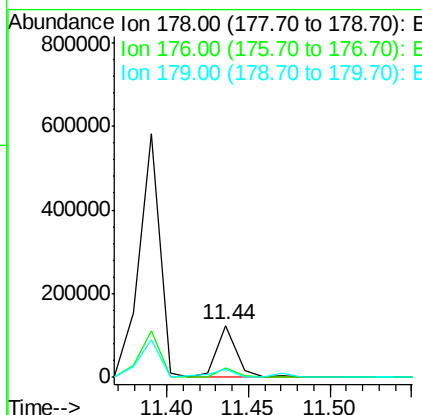
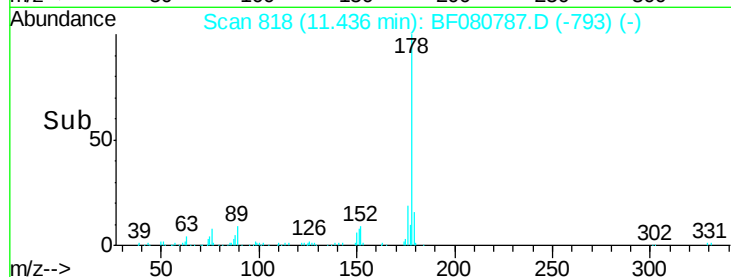
WCS3-072315



Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.9	23.9
179	15.6	12.7	19.1

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#72

Carbazole

Concen: 4.13 ng

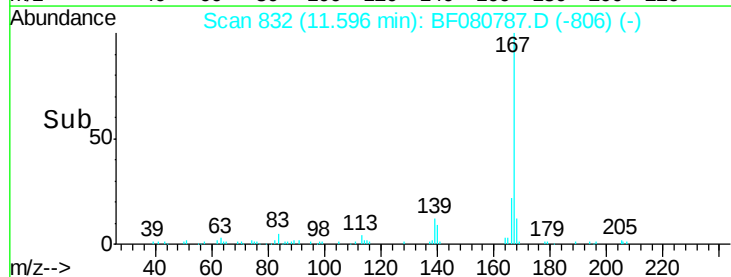
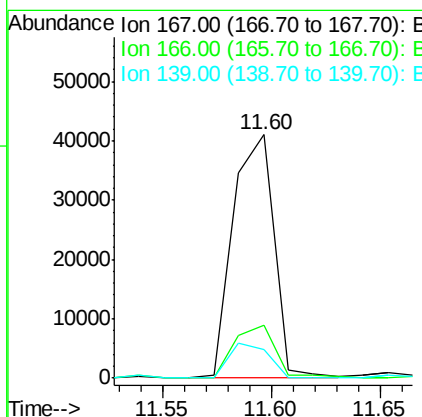
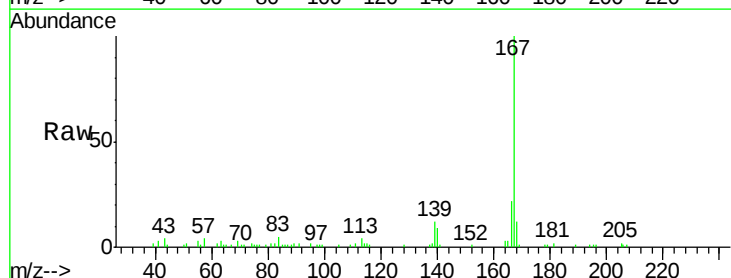
RT: 11.60 min Scan# 832

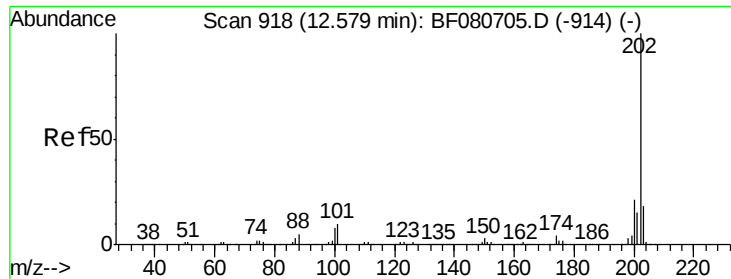
Delta R.T. -0.00 min

Lab File: BF080787.D

Acq: 1 Aug 2015 18:30

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	18.2	27.4
139	12.0	11.5	17.3





#74

Fluoranthene

Concen: 54.21 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.00 min

Lab File: BF080787.D

Acq: 1 Aug 2015 18:30

Instrument :

BNA_F

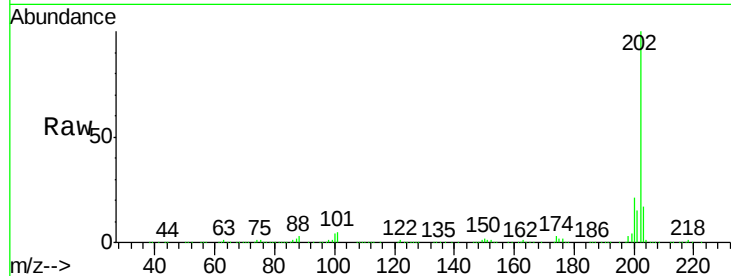
ClientSampleId :

WCS3-072315

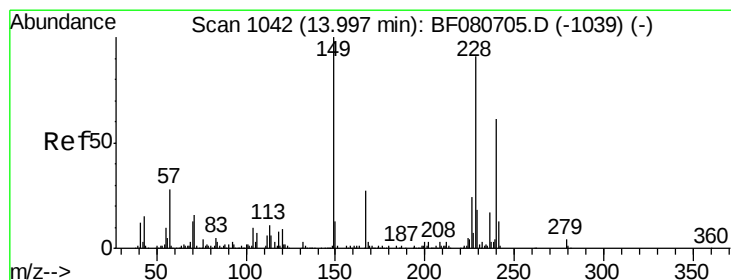
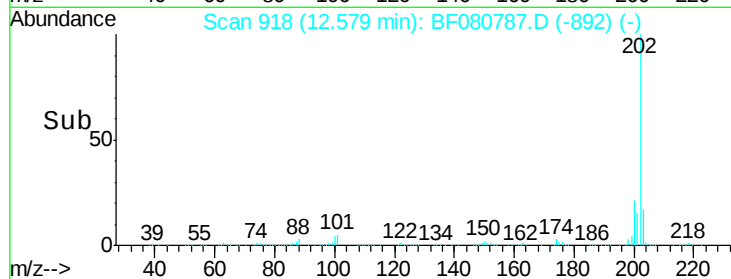
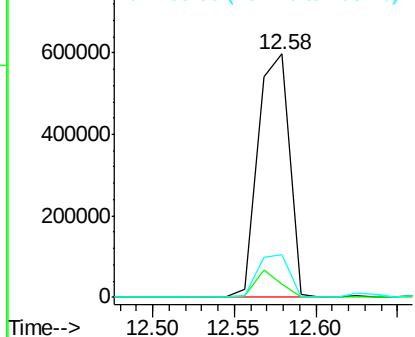
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		801103		
101	5.5	0.0	29.6		
203	17.3	0.0	37.8		

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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

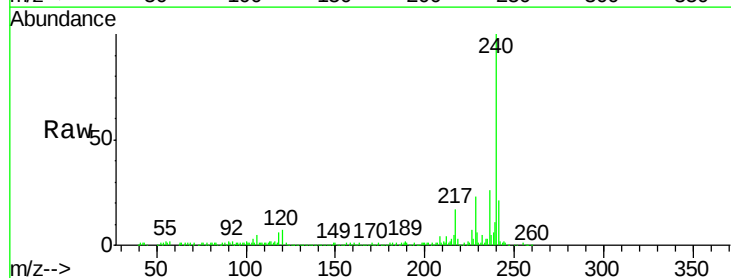
RT: 14.00 min Scan# 1042

Delta R.T. -0.00 min

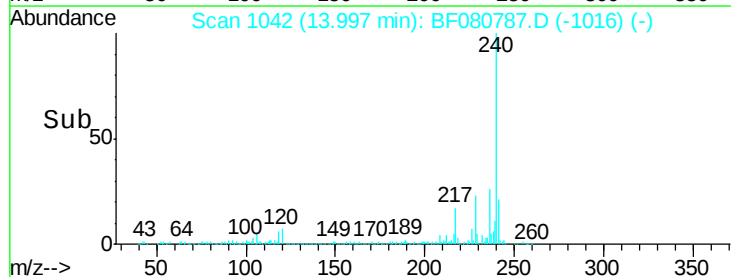
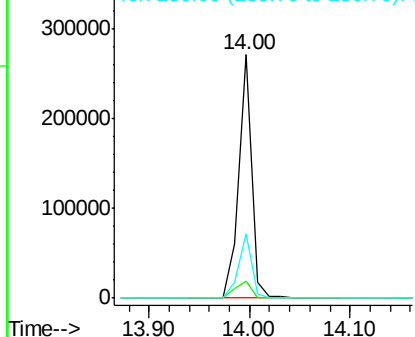
Lab File: BF080787.D

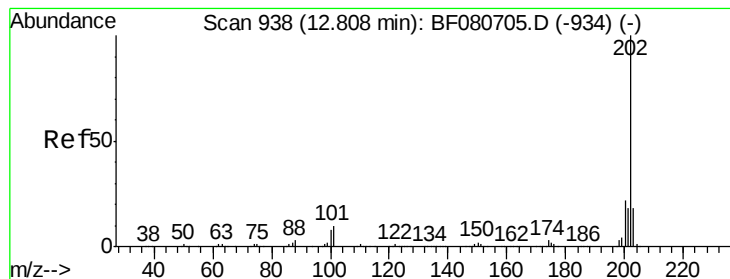
Acq: 1 Aug 2015 18:30

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		245097		
120	7.2	11.8	17.8#		
236	26.4	21.8	32.8		



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: 33.86 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF080787.D

Acq: 1 Aug 2015 18:30

Instrument :

BNA_F

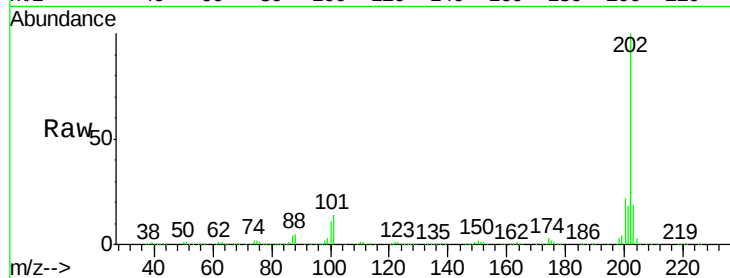
ClientSampleId :

WCS3-072315

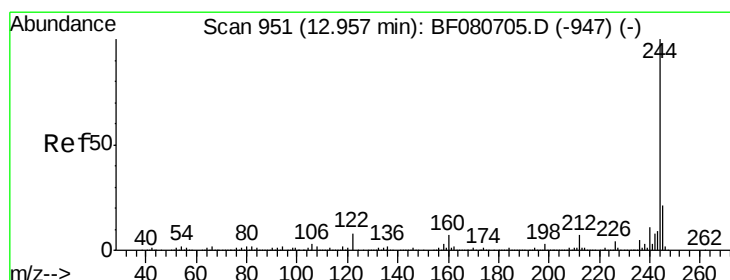
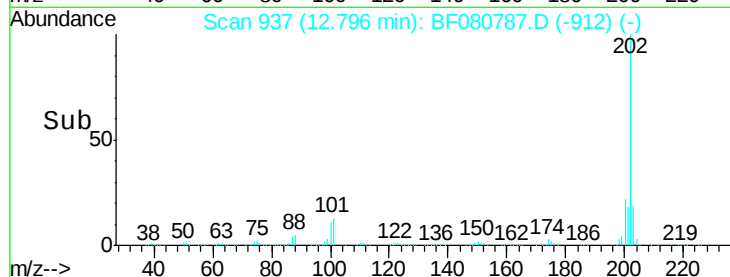
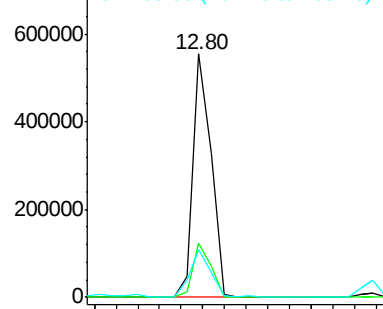
Tgt	Ion	202	Resp:	643721
Ion	Ratio	Lower	Upper	
202	100			
200	22.1	17.4	26.2	
203	19.4	14.2	21.2	

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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: 56.38 ng

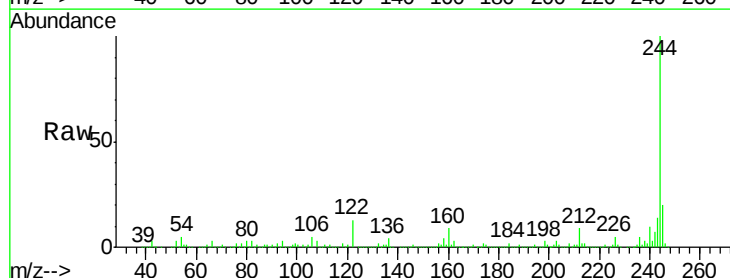
RT: 12.95 min Scan# 950

Delta R.T. -0.01 min

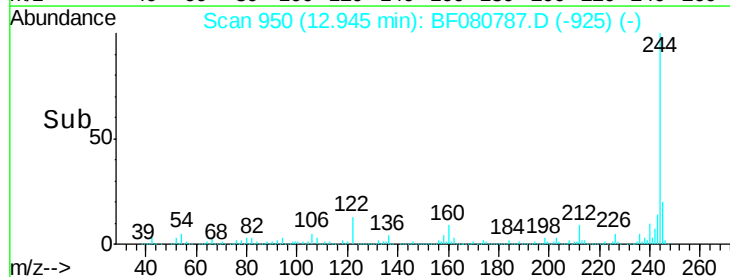
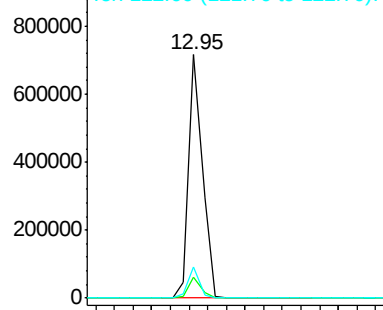
Lab File: BF080787.D

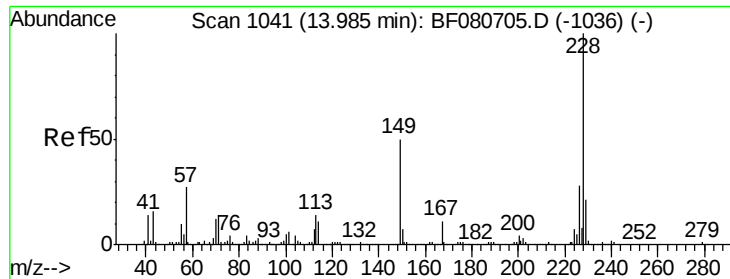
Acq: 1 Aug 2015 18:30

Tgt	Ion	244	Resp:	730631
Ion	Ratio	Lower	Upper	
244	100			
212	8.7	5.9	8.9	
122	13.0	6.6	9.8	



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





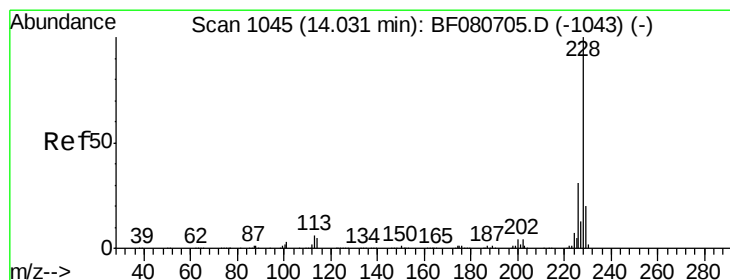
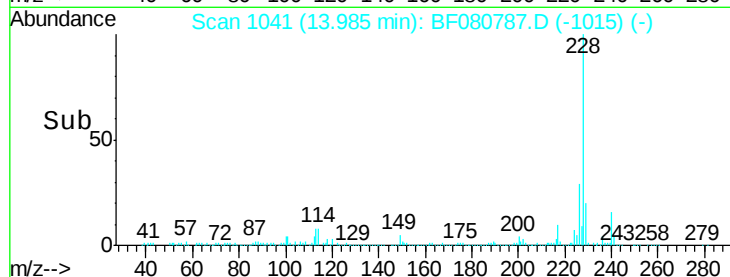
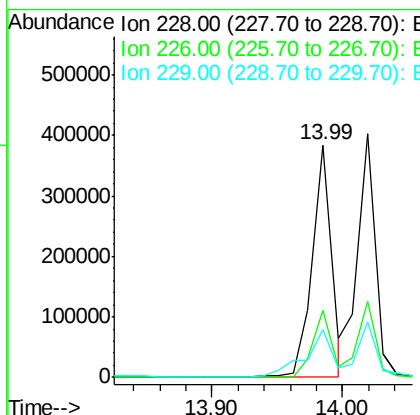
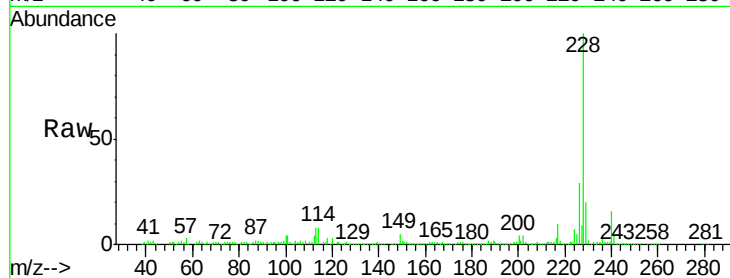
#80
Benzo(a)anthracene
Concen: 26.54 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BF080787.D
Acq: 1 Aug 2015 18:30

Instrument :
BNA_F
ClientSampleId :
WCS3-072315

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	20.4	16.6	25.0

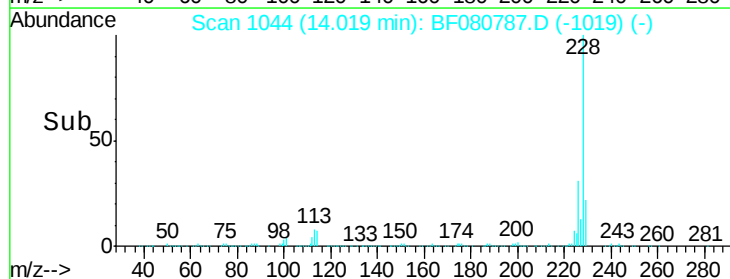
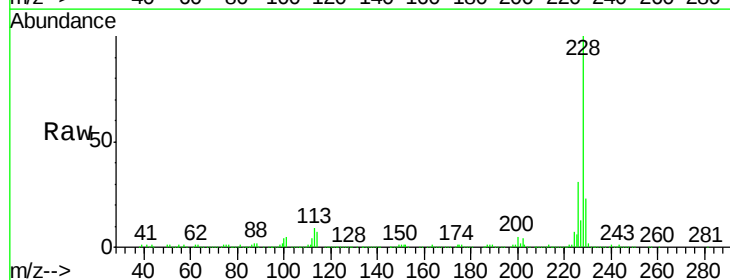
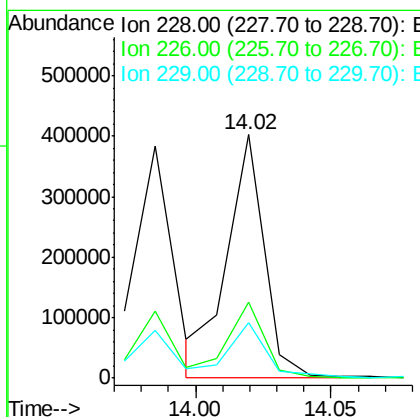
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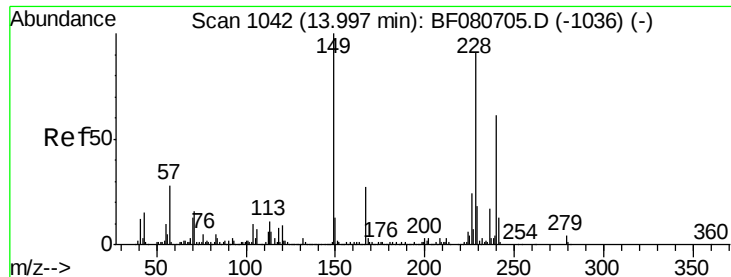
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#82
Chrysene
Concen: 26.52 ng m
RT: 14.02 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BF080787.D
Acq: 1 Aug 2015 18:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.1	37.7
229	22.7	15.8	23.8





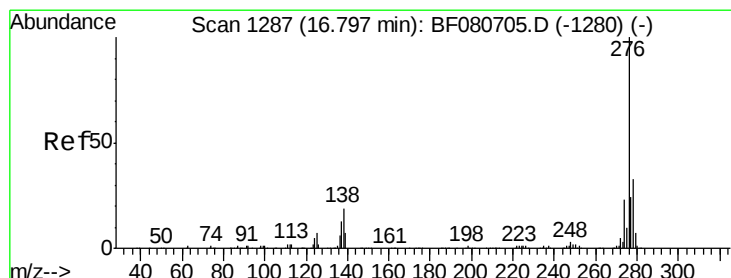
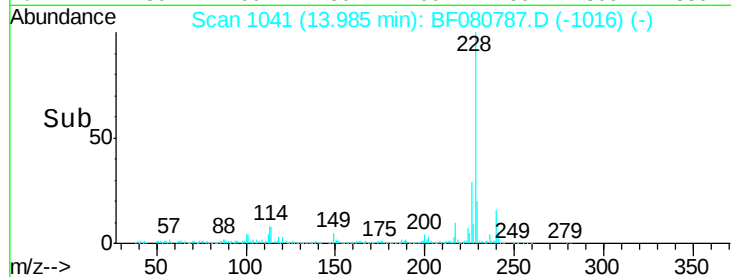
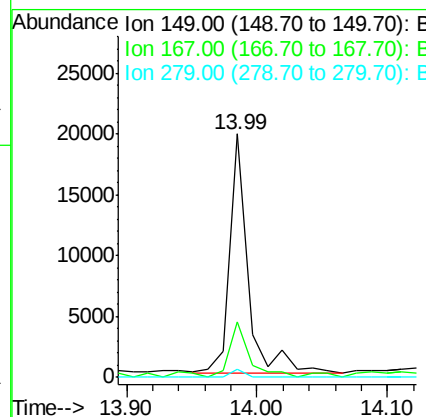
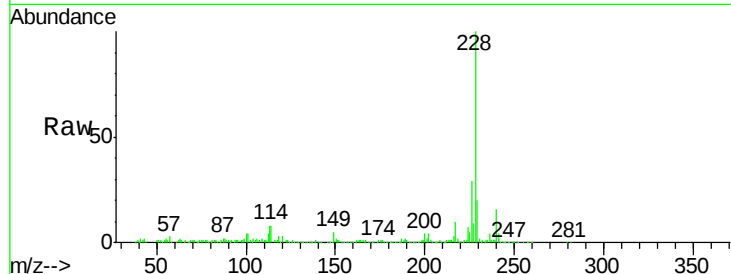
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.04 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: BF080787.D
 Acq: 1 Aug 2015 18:30

Instrument :
 BNA_F
 ClientSampleId :
 WCS3-072315

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	19350		
167	22.9	21.8	32.8	
279	3.4	3.4	5.0	

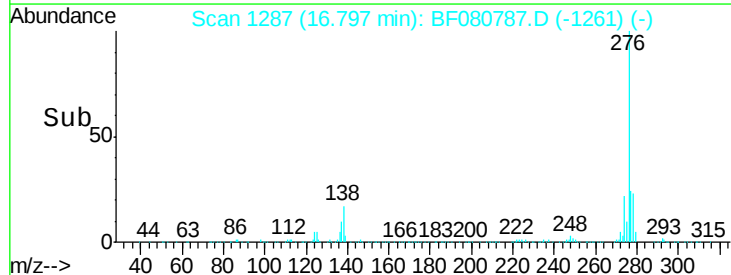
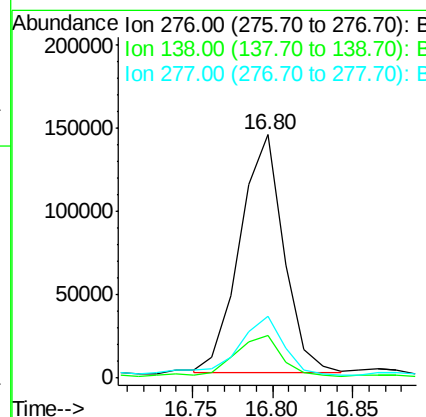
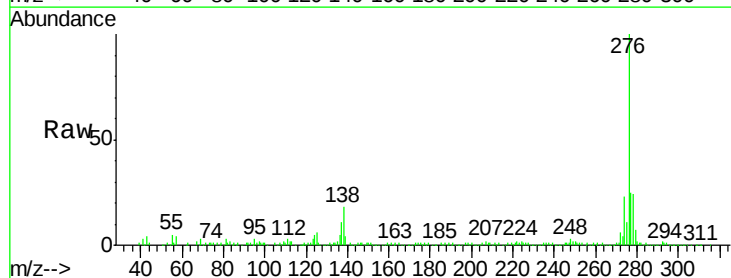
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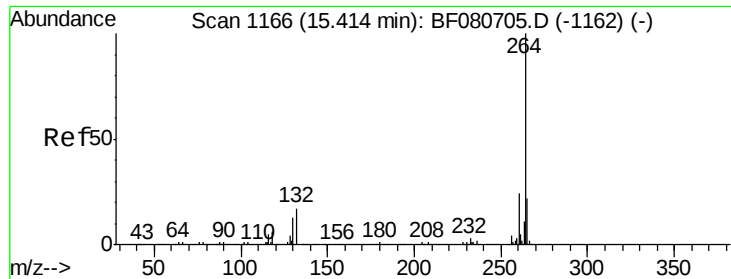
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 22.17 ng m
 RT: 16.80 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: BF080787.D
 Acq: 1 Aug 2015 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	267865		
138	4.2	13.2	19.8#	
277	4.8	15.4	23.2#	





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.41 min Scan# 1166

Delta R.T. -0.00 min

Lab File: BF080787.D

Acq: 1 Aug 2015 18:30

Instrument :

BNA_F

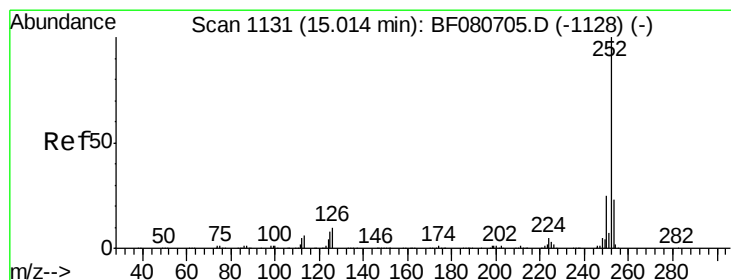
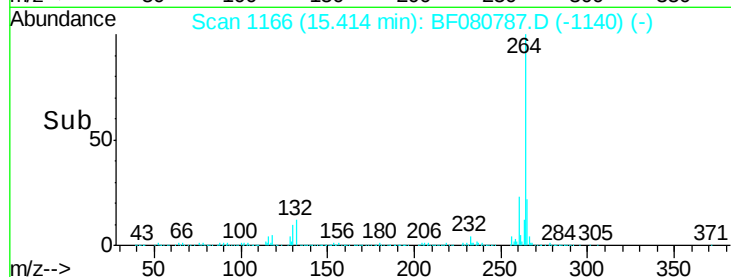
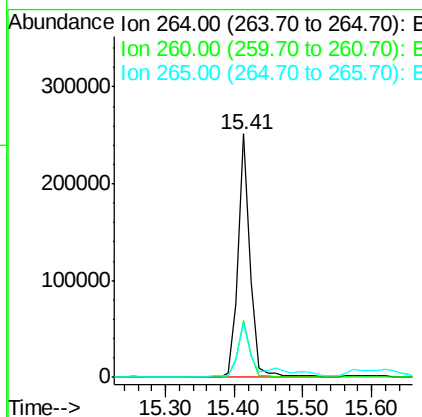
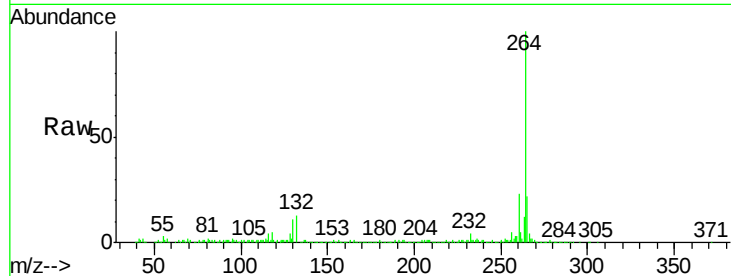
ClientSampleId :

WCS3-072315

Tgt	Ion	Ratio	Lower	Upper
264	100			
260	23.3	19.4	29.0	
265	22.1	17.3	25.9	

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 32.47 ng m

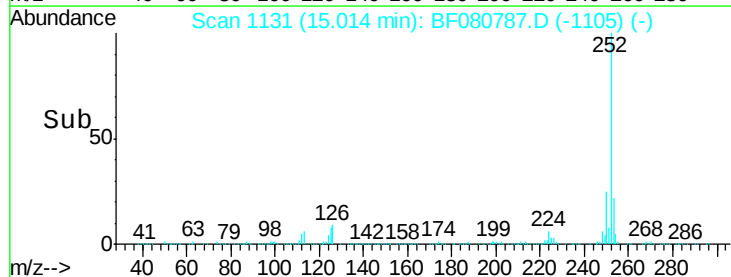
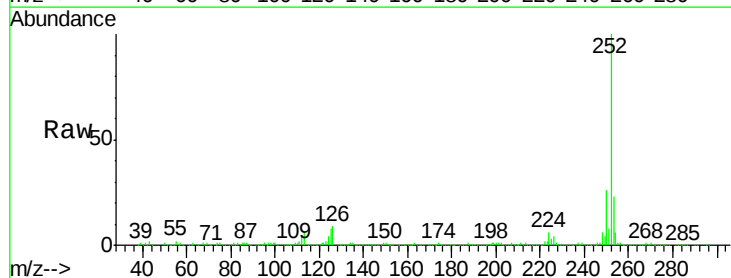
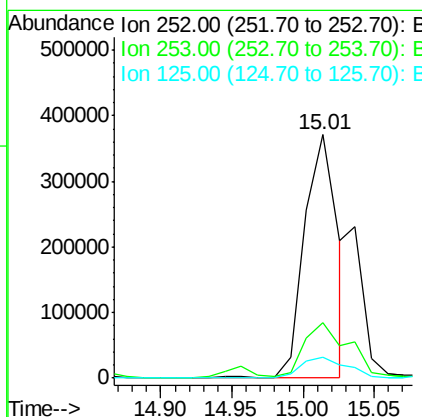
RT: 15.01 min Scan# 1131

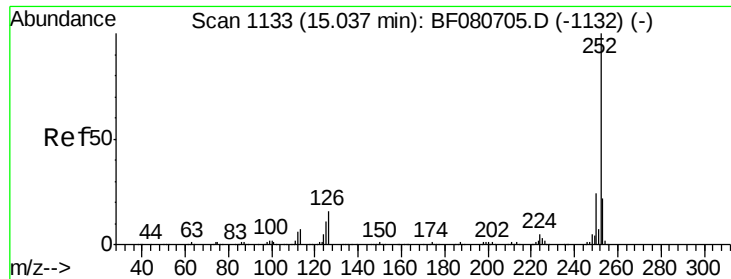
Delta R.T. -0.00 min

Lab File: BF080787.D

Acq: 1 Aug 2015 18:30

Tgt	Ion	Ratio	Lower	Upper
252	100			
253	22.8	18.1	27.1	
125	8.3	6.2	9.2	





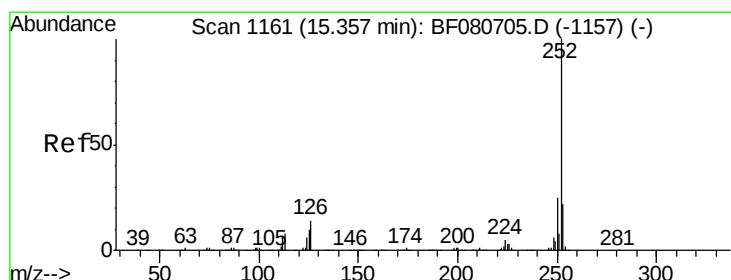
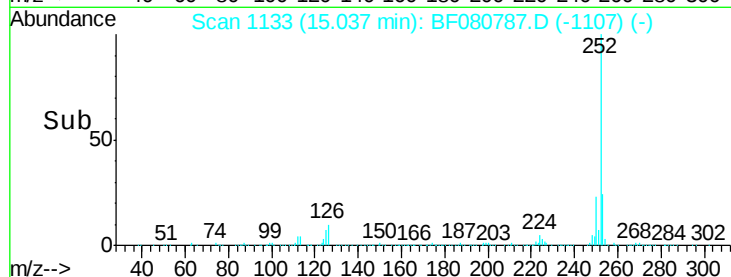
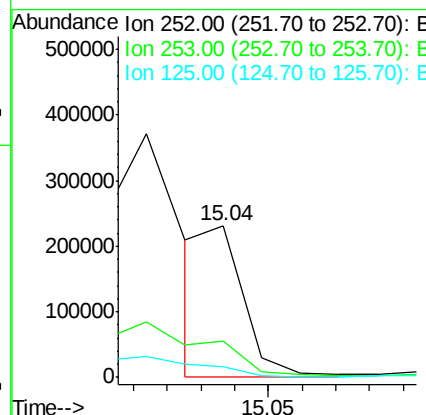
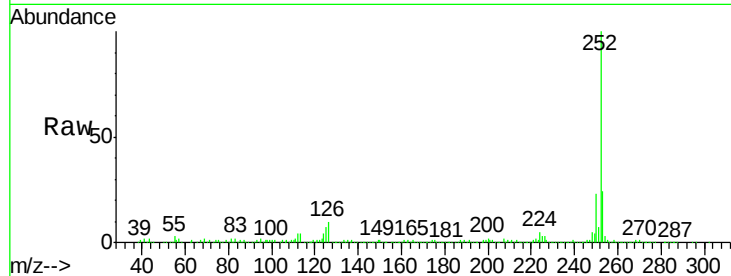
#88
Benzo(k)fluoranthene
Concen: 12.28 ng m
RT: 15.04 min Scan# 1133
Delta R.T. -0.00 min
Lab File: BF080787.D
Acq: 1 Aug 2015 18:30

Instrument :
BNA_F
ClientSampleId :
WCS3-072315

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.6
125	7.0	9.0	13.4

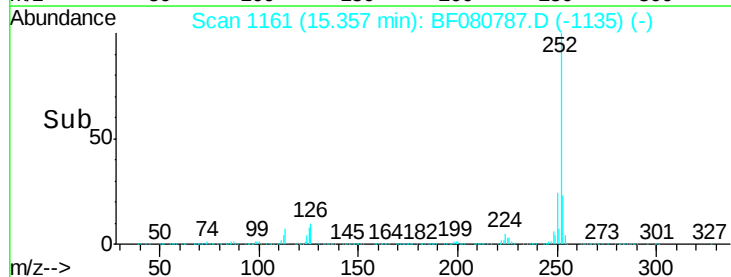
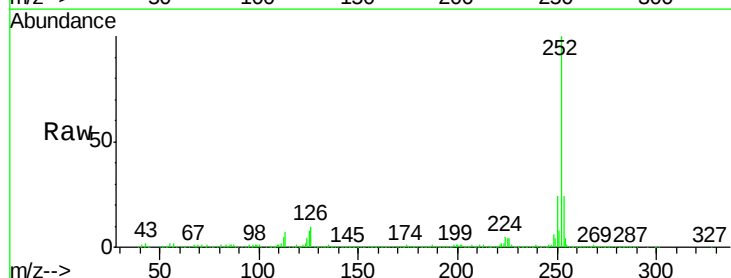
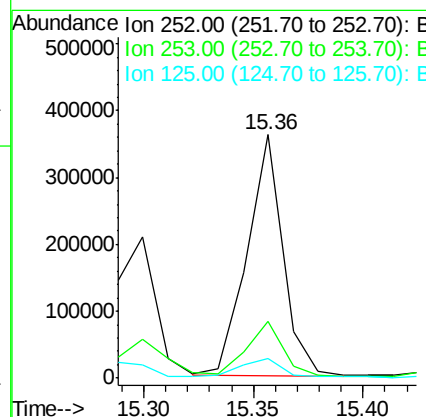
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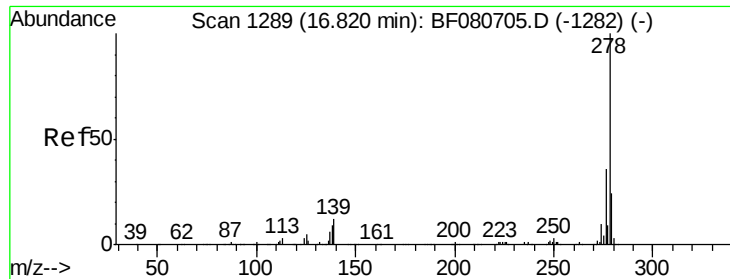
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#89
Benzo(a)pyrene
Concen: 27.05 ng m
RT: 15.36 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BF080787.D
Acq: 1 Aug 2015 18:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.2	25.8
125	8.0	8.2	12.4





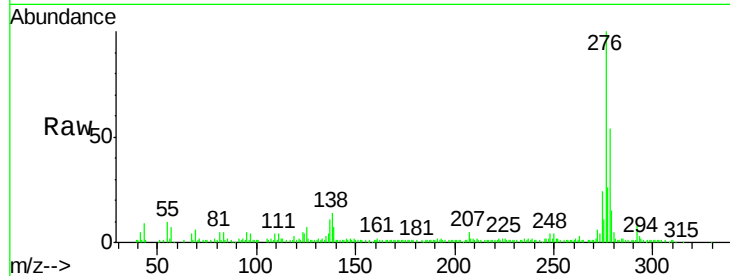
#90
Dibenzo(a,h)anthracene
Concen: 5.45 ng
RT: 16.81 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BF080787.D
Acq: 1 Aug 2015 18:30

Instrument :
BNA_F
ClientSampleId :
WCS3-072315

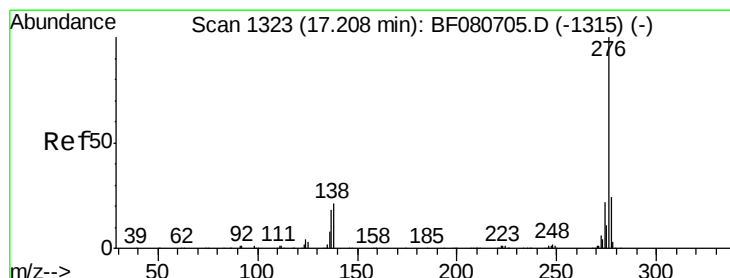
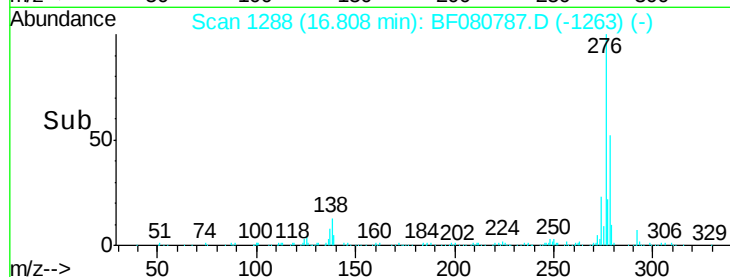
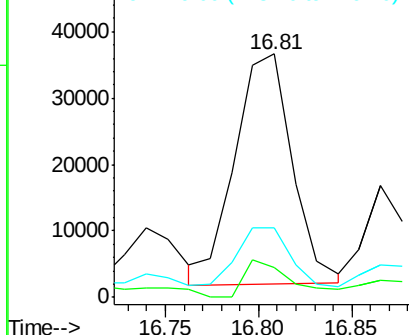
Tgt Ion:	278	Resp:	74381
Ion Ratio	Lower	Upper	
278	100		
139	12.5	9.8	14.8
279	28.5	19.4	29.2

Manual Integrations
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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 19.10 ng
RT: 17.21 min Scan# 1323
Delta R.T. -0.00 min
Lab File: BF080787.D
Acq: 1 Aug 2015 18:30

Tgt Ion:	276	Resp:	256250
Ion Ratio	Lower	Upper	
276	100		
277	23.2	18.9	28.3
138	16.3	16.9	25.3#

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

