

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020516\
 Data File : BF084885.D
 Acq On : 6 Feb 2016 3:00
 Operator : SJ/IZ
 Sample : H1329-01 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B007(1-2)

Manual Integrations
 APPROVED

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 2/8/2016 3:03:19 PM

Quant Time: Feb 06 04:18:52 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	156716	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	653164	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	280674	20.00	ng	-0.03
63) Phenanthrene-d10	11.17	188	490544	20.00	ng	-0.03
75) Chrysene-d12	13.80	240	304446	20.00	ng	-0.03
86) Perylene-d12	15.17	264	318876	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	333125	33.11	ng	-0.03
7) Phenol-d6	6.30	99	392525	31.47	ng	-0.03
23) Nitrobenzene-d5	7.23	82	243253	20.98	ng	-0.03
41) 2,4,6-Tribromophenol	10.48	330	87602	29.92	ng	-0.05
44) 2-Fluorobiphenyl	9.02	172	461463	21.48	ng	-0.03
78) Terphenyl-d14	12.76	244	315395	23.48	ng	-0.03
Target Compounds						
49) Dimethylphthalate	9.42	163	47850	2.24	ng	Qvalue # 91
70) Phenanthrene	11.20	178	70375	2.59	ng	100
74) Fluoranthene	12.37	202	119376	4.34	ng	98
77) Pyrene	12.60	202	114469	4.91	ng	98
80) Benzo(a)anthracene	13.79	228	54213	2.87	ng	96
83) Bis(2-ethylhexyl)phthalate	13.81	149	2315608	175.97	ng	# 94
85) Indeno(1,2,3-cd)pyrene	16.44	276	41172	2.85	ng	98
87) Benzo(b)fluoranthene	14.80	252	64827m	3.03	ng	
88) Benzo(k)fluoranthene	14.80	252	87120	4.92	ng	99
89) Benzo(a)pyrene	15.12	252	55010	3.01	ng	97
91) Benzo(g,h,i)perylene	16.82	276	40865	2.64	ng	98

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

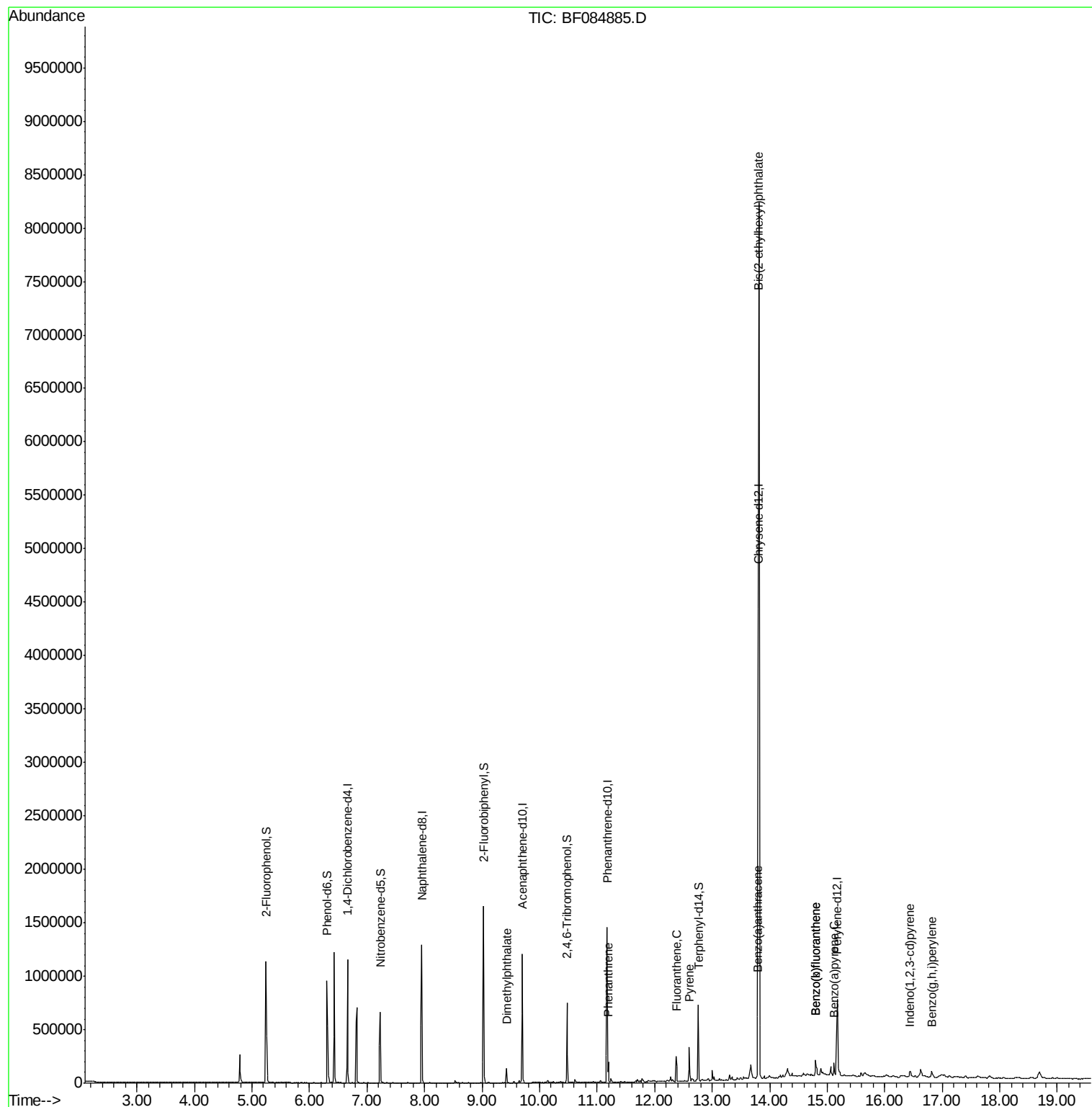
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020516\
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ALS Vial : 30 Sample Multiplier: 1

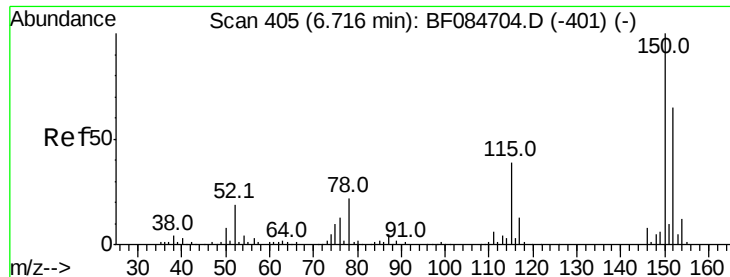
Instrument :
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S4-B007(1-2)

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF084885.D

Acq: 6 Feb 2016 3:00

Instrument :

BNA_F

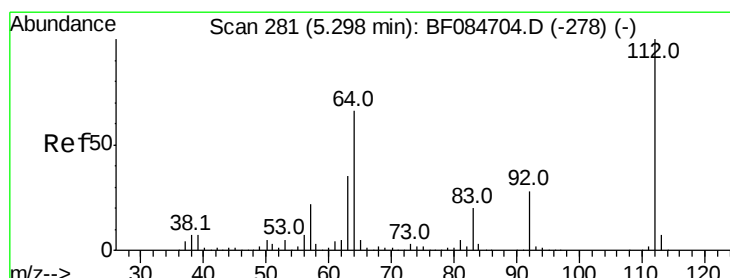
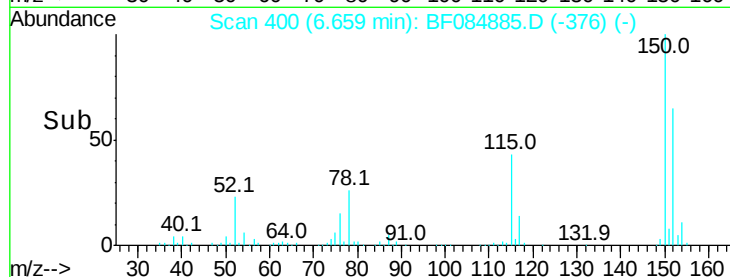
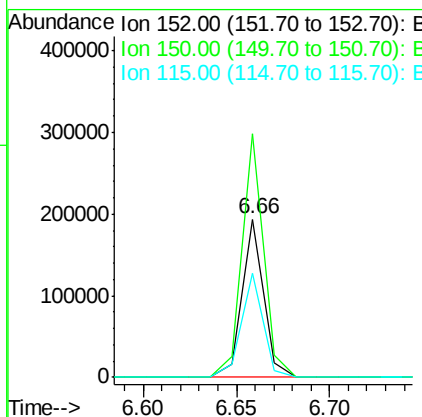
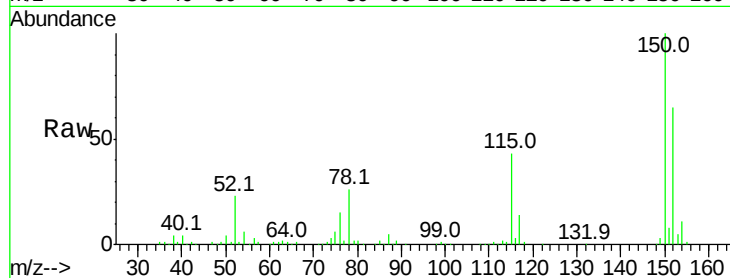
ClientSampleId :

S4-B007(1-2)

Tot Ion:	152	Resp:	156716
Ion Ratio	Lower	Upper	
152	100		
150	154.2	123.0	184.4
115	65.8	51.4	77.2

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#5

2-Fluorophenol

Concen: 33.11 ng

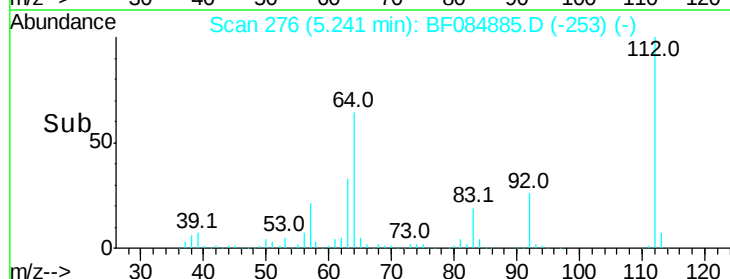
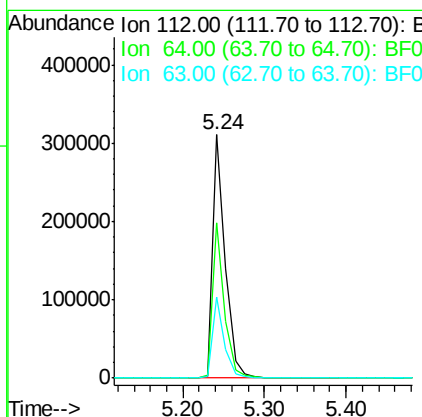
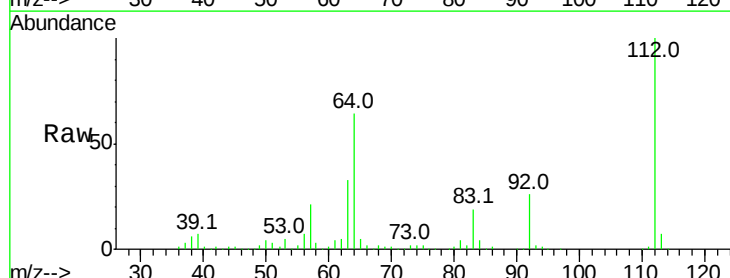
RT: 5.24 min Scan# 276

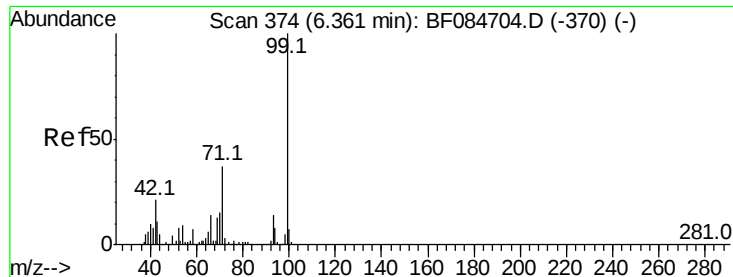
Delta R.T. -0.03 min

Lab File: BF084885.D

Acq: 6 Feb 2016 3:00

Tgt Ion:	112	Resp:	333125
Ion Ratio	Lower	Upper	
112	100		
64	63.9	36.6	55.0#
63	33.3	19.4	29.0#





#7

Phenol-d6

Concen: 31.47 ng

RT: 6.30 min Scan# 369

Delta R.T. -0.03 min

Lab File: BF084885.D

Acq: 6 Feb 2016 3:00

Instrument :

BNA_F

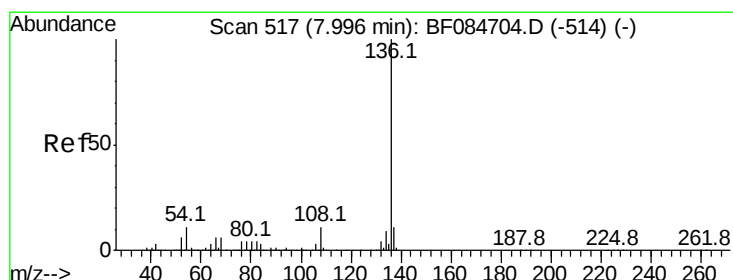
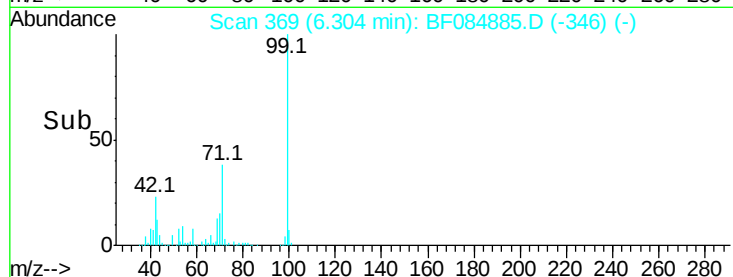
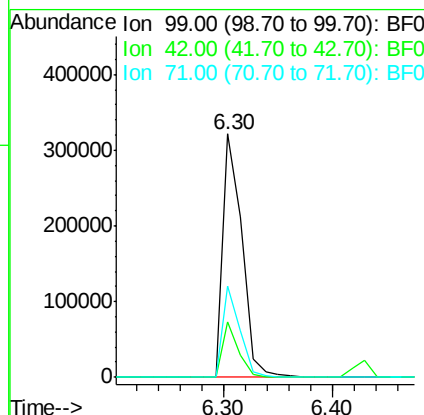
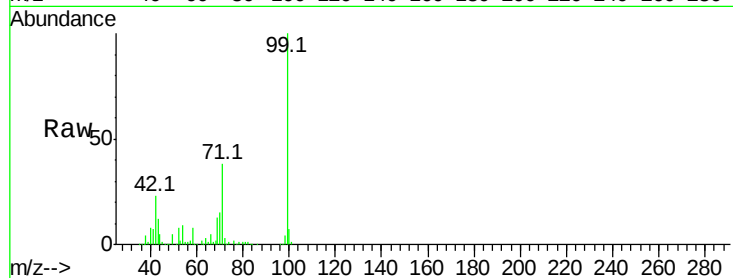
ClientSampleId :

S4-B007(1-2)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		392525		
42	22.7	12.8	19.2#		
71	37.7	30.9	46.3		

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#21

Naphthalene-d8

Concen: 20.00 ng

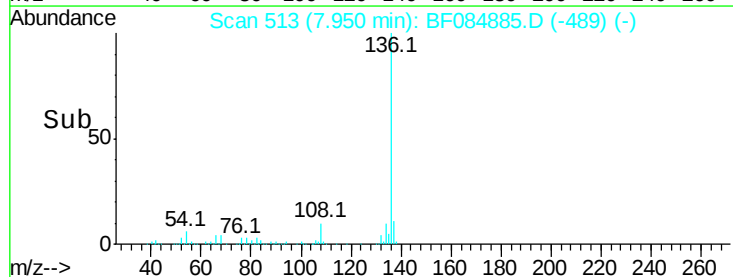
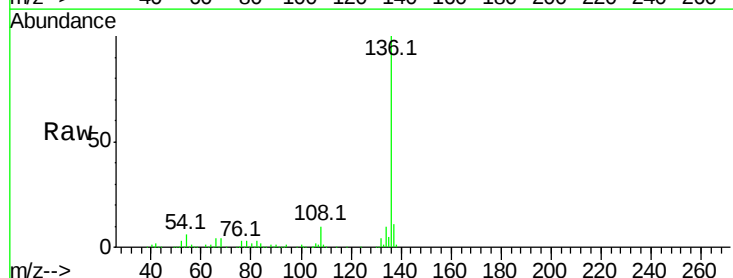
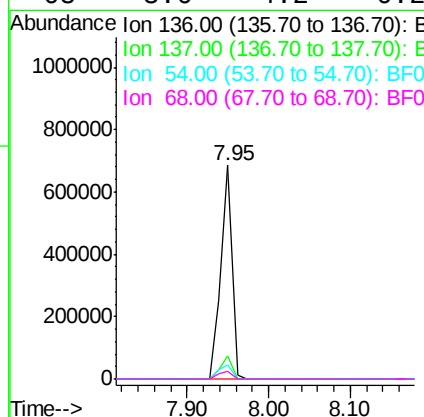
RT: 7.95 min Scan# 513

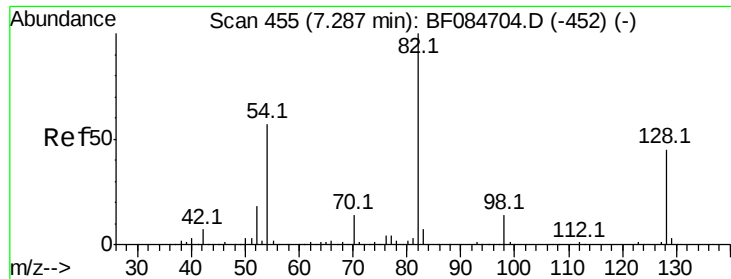
Delta R.T. -0.02 min

Lab File: BF084885.D

Acq: 6 Feb 2016 3:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		653164		
137	10.7	8.7	13.1		
54	6.3	5.8	8.8		
68	3.6	4.2	6.2#		





#23

Nitrobenzene-d5

Concen: 20.98 ng

RT: 7.23 min Scan# 450

Delta R.T. -0.03 min

Lab File: BF084885.D

Acq: 6 Feb 2016 3:00

Instrument :

BNA_F

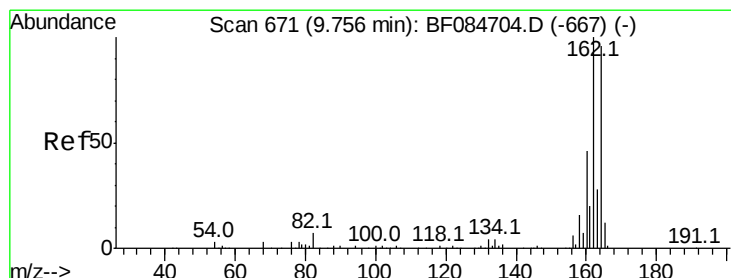
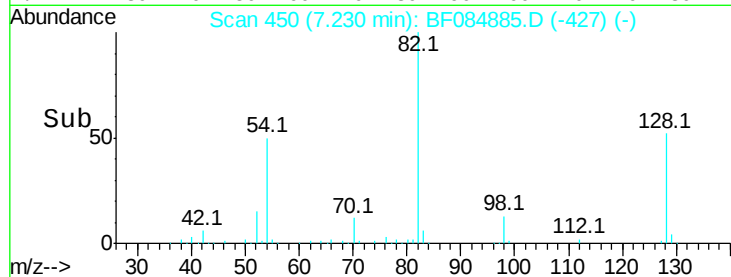
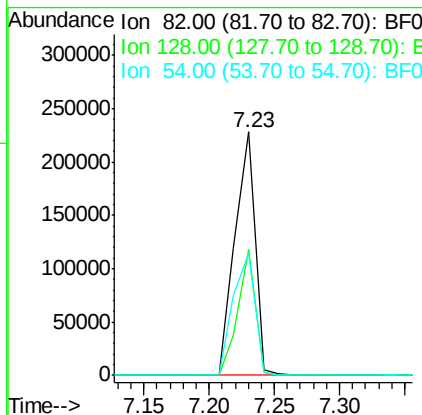
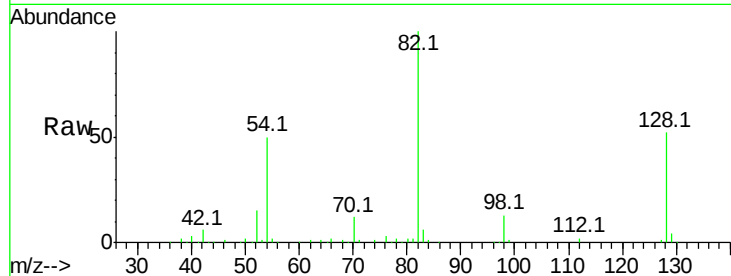
ClientSampleId :

S4-B007(1-2)

Tot Ion	82	Resp	243253
Ion Ratio	Lower	Upper	
82	100		
128	51.7	34.6	51.8
54	50.1	38.4	57.6

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#38

Acenaphthene-d10

Concen: 20.00 ng

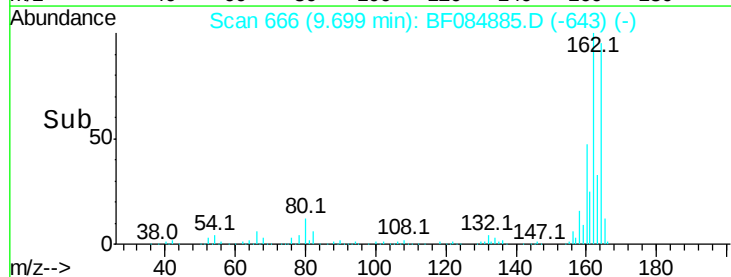
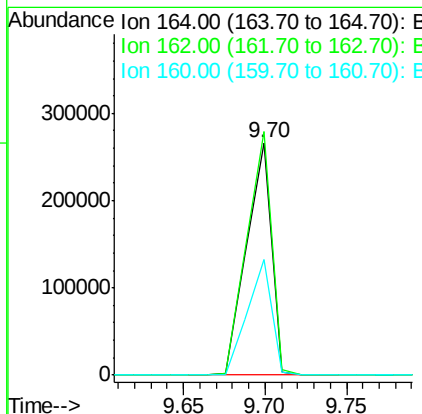
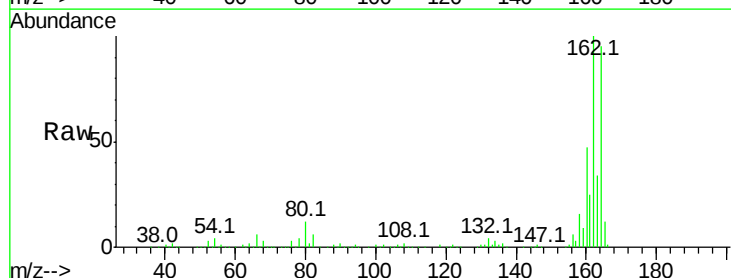
RT: 9.70 min Scan# 666

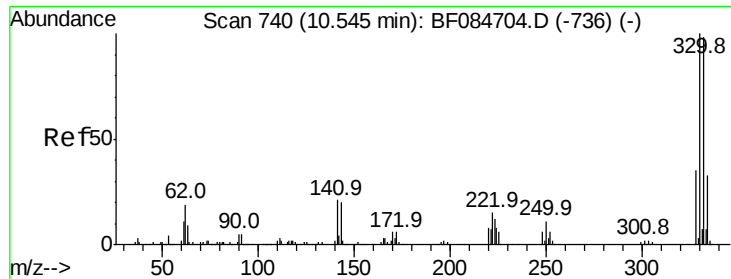
Delta R.T. -0.03 min

Lab File: BF084885.D

Acq: 6 Feb 2016 3:00

Tgt Ion	164	Resp	280674
Ion Ratio	Lower	Upper	
164	100		
162	104.8	85.1	127.7
160	49.6	37.5	56.3





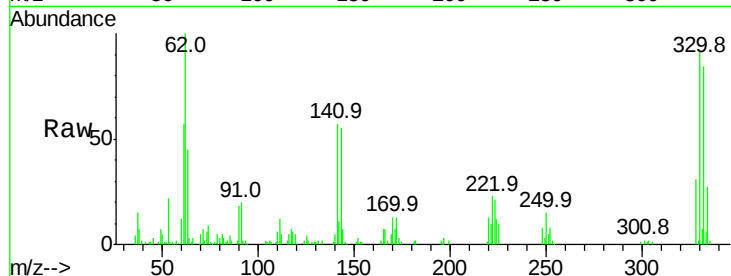
#41
 2,4,6-Tribromophenol
 Concen: 29.92 ng
 RT: 10.48 min Scan# 734
 Delta R.T. -0.05 min
 Lab File: BF084885.D
 Acq: 6 Feb 2016 3:00

Instrument :
 BNA_F
 ClientSampleId :
 S4-B007(1-2)

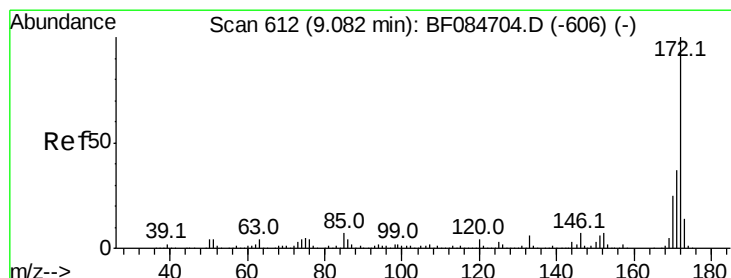
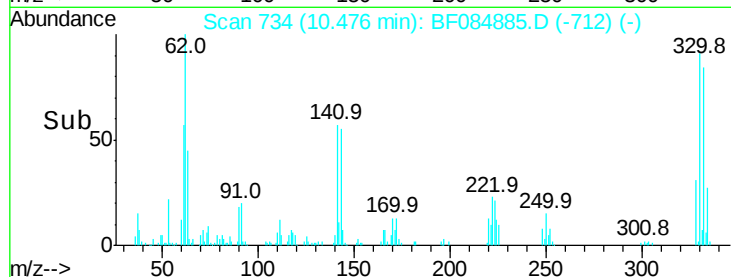
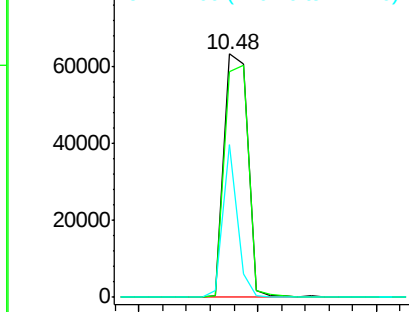
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.1	76.6	114.8	
141	37.6	27.8	41.6	

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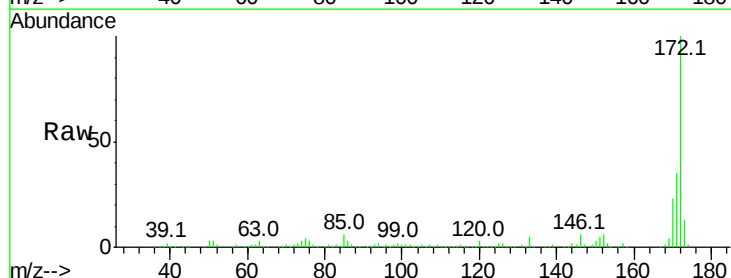


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

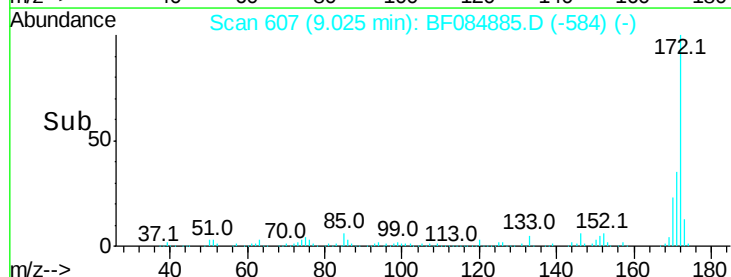
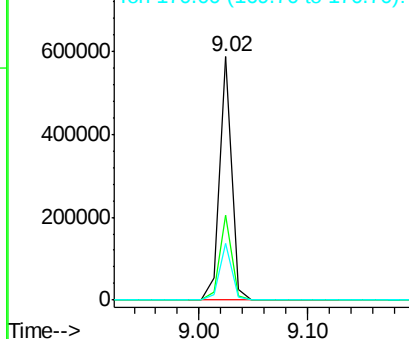


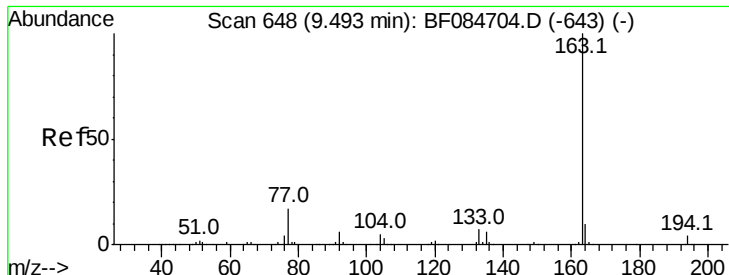
#44
 2-Fluorobiphenyl
 Concen: 21.48 ng
 RT: 9.02 min Scan# 607
 Delta R.T. -0.03 min
 Lab File: BF084885.D
 Acq: 6 Feb 2016 3:00

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.7	28.9	43.3	
170	23.2	18.6	27.8	



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: 2.24 ng

RT: 9.42 min Scan# 642

Delta R.T. -0.05 min

Lab File: BF084885.D

Acq: 6 Feb 2016 3:00

Instrument :

BNA_F

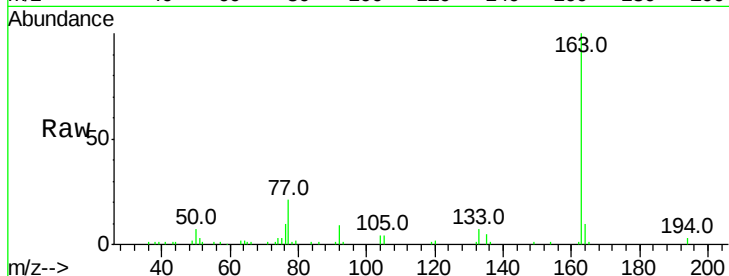
ClientSampleId :

S4-B007(1-2)

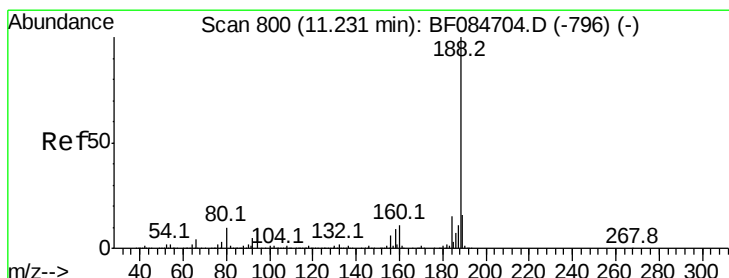
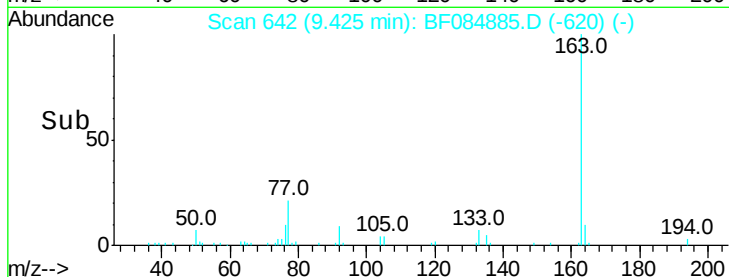
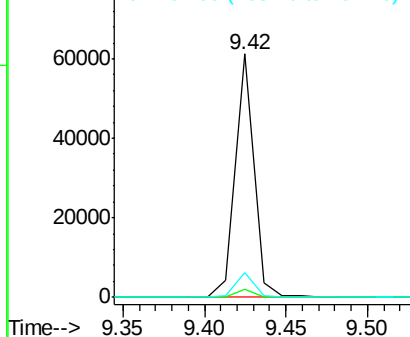
Tot Ion:	163	Resp:	47850
Ion Ratio	Lower	Upper	
163	100		
194	3.3	8.0	12.0#
164	9.9	8.0	12.0

Manual Integrations
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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: 20.00 ng

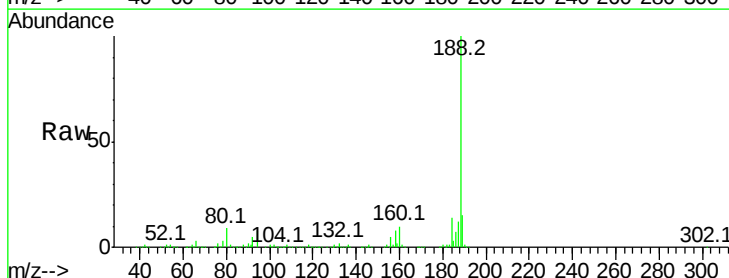
RT: 11.17 min Scan# 795

Delta R.T. -0.03 min

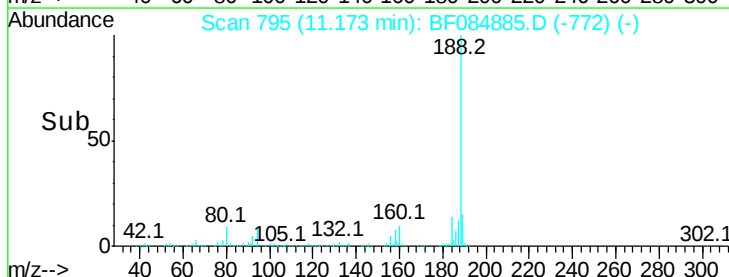
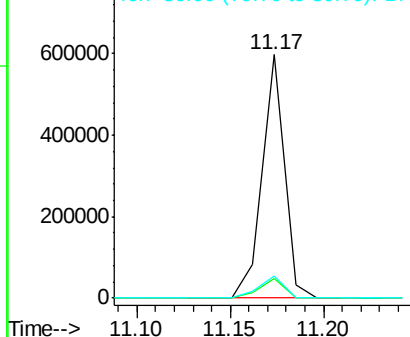
Lab File: BF084885.D

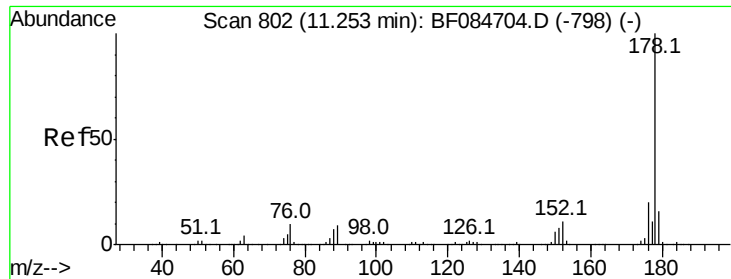
Acq: 6 Feb 2016 3:00

Tgt Ion:	188	Resp:	490544
Ion Ratio	Lower	Upper	
188	100		
94	8.1	9.0	13.4#
80	8.9	9.6	14.4#



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: 2.59 ng

RT: 11.20 min Scan# 797

Delta R.T. -0.03 min

Lab File: BF084885.D

Acq: 6 Feb 2016 3:00

Instrument :

BNA_F

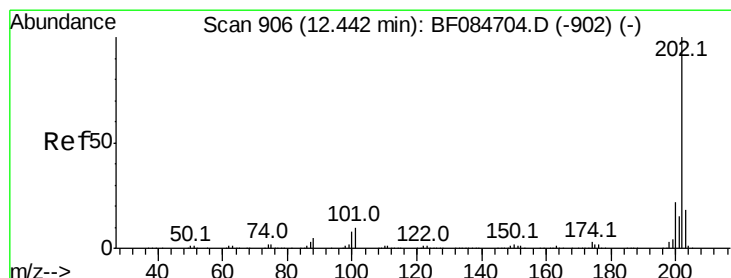
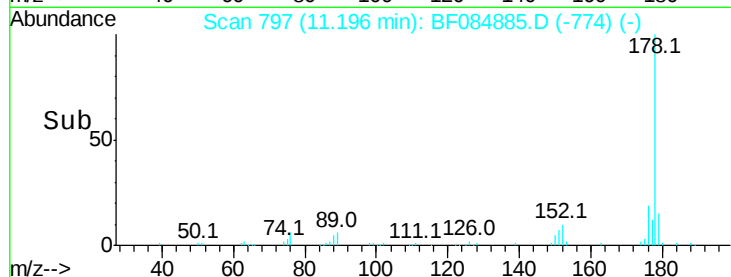
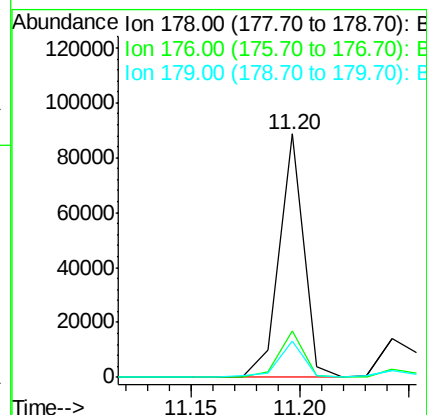
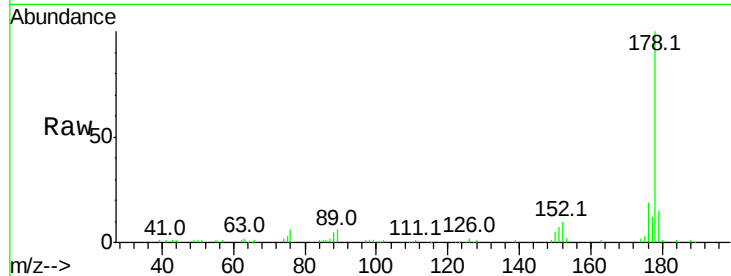
ClientSampleId :

S4-B007(1-2)

Tot Ion:	178	Resp:	70375
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.3	22.9
179	14.7	12.0	18.0

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#74

Fluoranthene

Concen: 4.34 ng

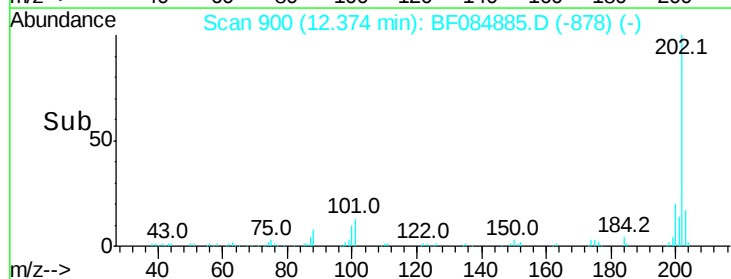
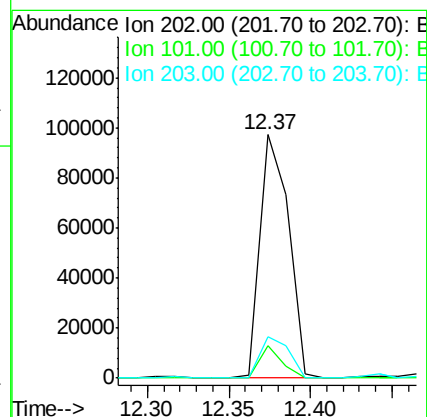
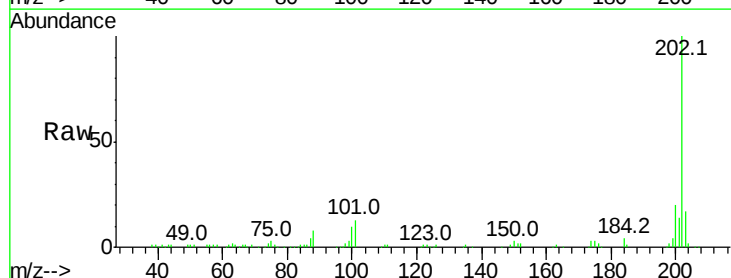
RT: 12.37 min Scan# 900

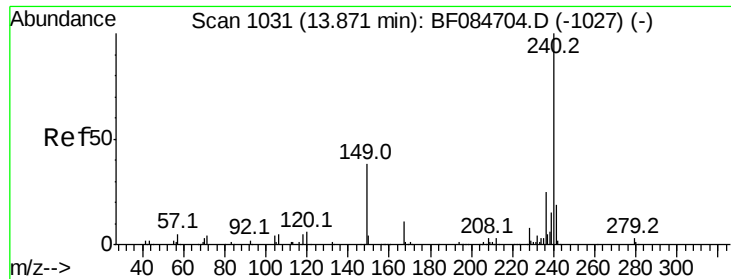
Delta R.T. -0.05 min

Lab File: BF084885.D

Acq: 6 Feb 2016 3:00

Tgt Ion:	202	Resp:	119376
Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	32.8
203	17.1	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.80 min Scan# 1025

Delta R.T. -0.03 min

Lab File: BF084885.D

Acq: 6 Feb 2016 3:00

Instrument :

BNA_F

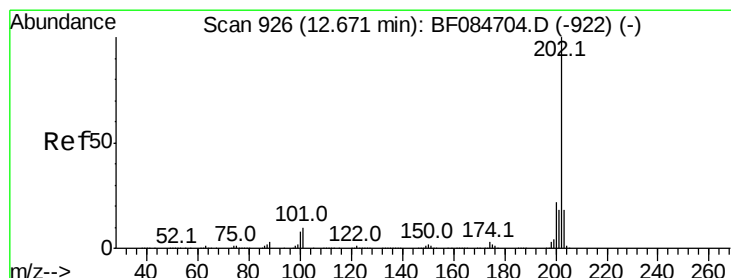
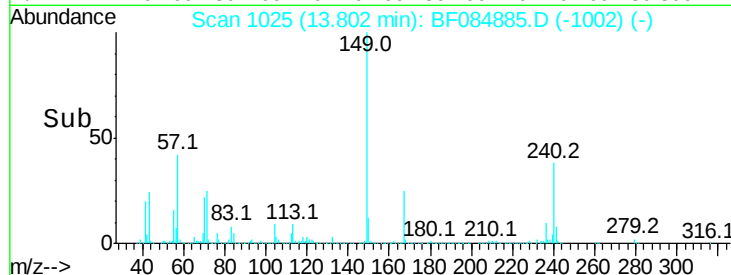
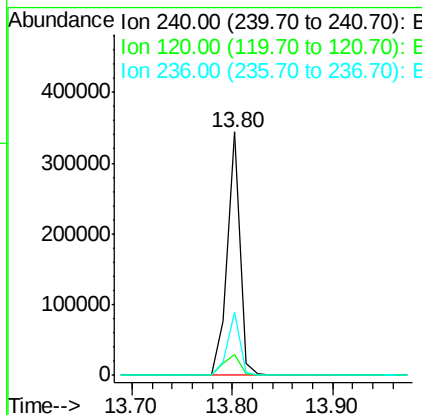
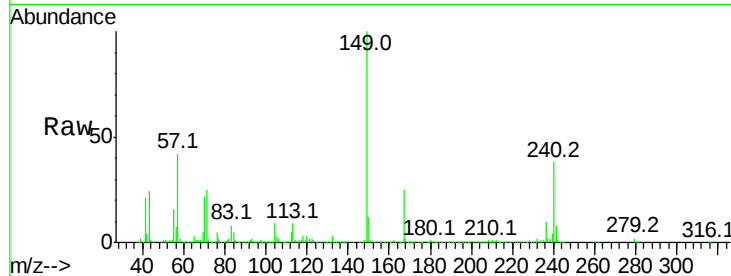
ClientSampleId :

S4-B007(1-2)

Tot Ion:	240	Resp:	304446
Ion Ratio	Lower	Upper	
240	100		
120	8.4	9.5	14.3#
236	25.8	20.6	31.0

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#77

Pyrene

Concen: 4.91 ng

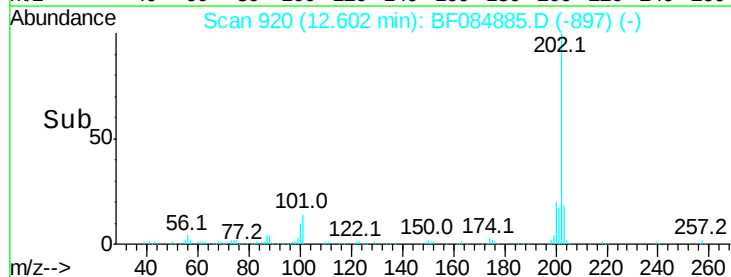
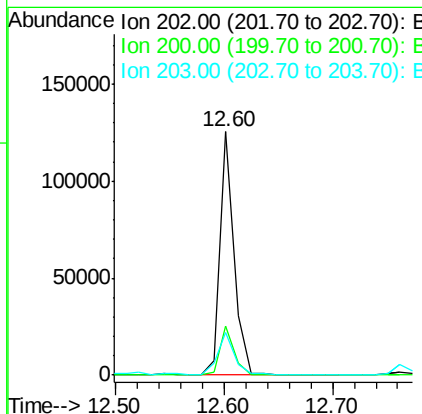
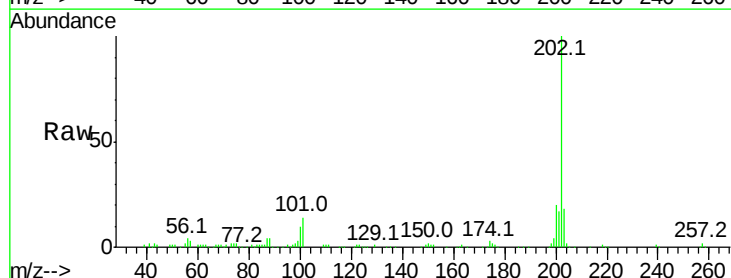
RT: 12.60 min Scan# 920

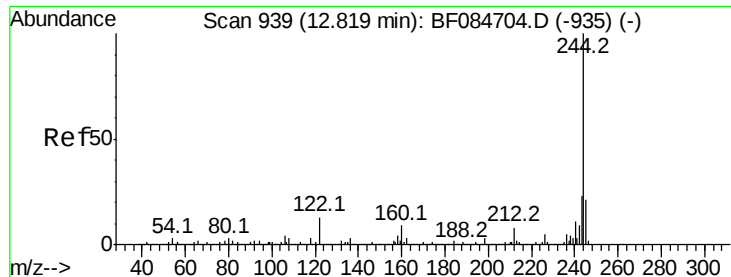
Delta R.T. -0.03 min

Lab File: BF084885.D

Acq: 6 Feb 2016 3:00

Tgt Ion:	202	Resp:	114469
Ion Ratio	Lower	Upper	
202	100		
200	20.4	17.2	25.8
203	17.5	14.3	21.5





#78

Terphenyl-d14

Concen: 23.48 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF084885.D

Acq: 6 Feb 2016 3:00

Instrument :

BNA_F

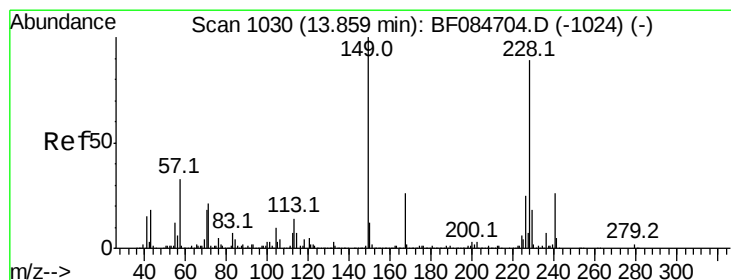
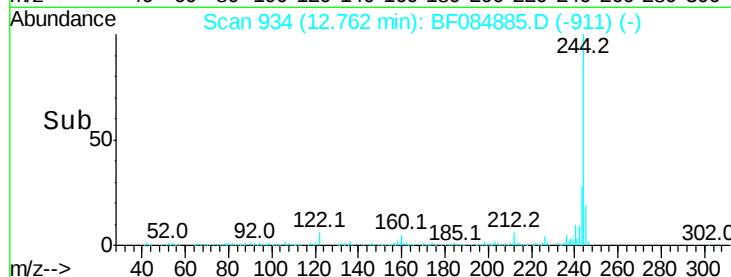
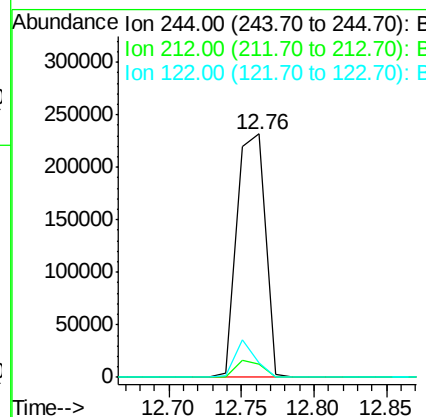
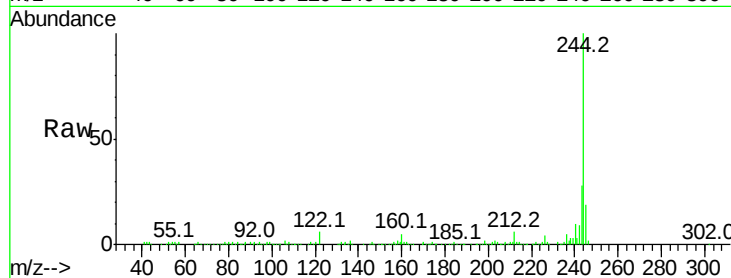
ClientSampleId :

S4-B007(1-2)

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	5.6	5.7	8.5#
122	6.1	7.4	11.0#

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#80

Benzo(a)anthracene

Concen: 2.87 ng

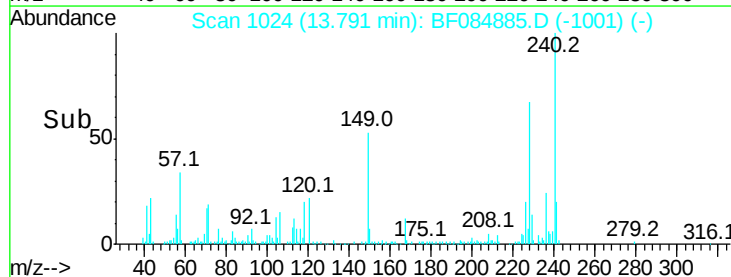
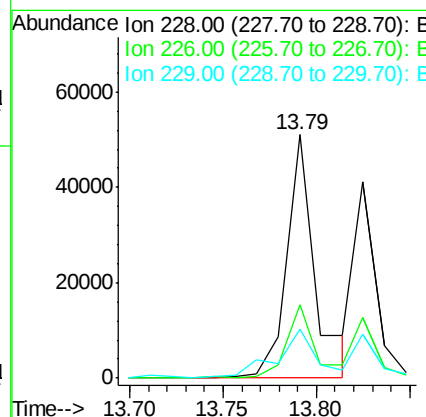
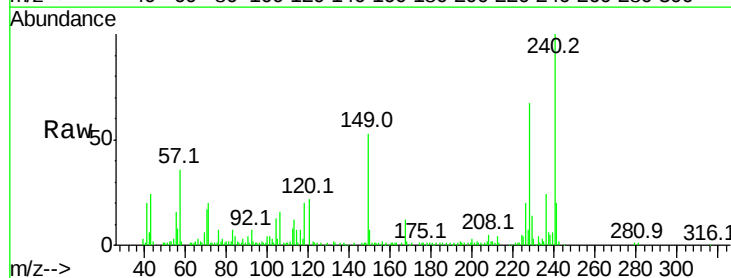
RT: 13.79 min Scan# 1024

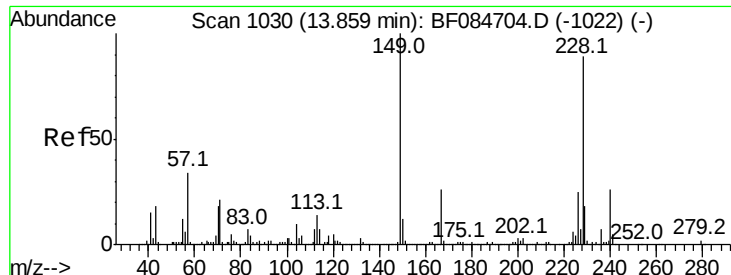
Delta R.T. -0.03 min

Lab File: BF084885.D

Acq: 6 Feb 2016 3:00

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.0	21.8	32.6
229	20.3	15.8	23.8





#83

Bis(2-ethylhexyl)phthalate

Concen: 175.97 ng

RT: 13.81 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BF084885.D

Acq: 6 Feb 2016 3:00

Instrument :

BNA_F

ClientSampleId :

S4-B007(1-2)

Tot Ion:149 Resp: 2315608

Ion Ratio Lower Upper

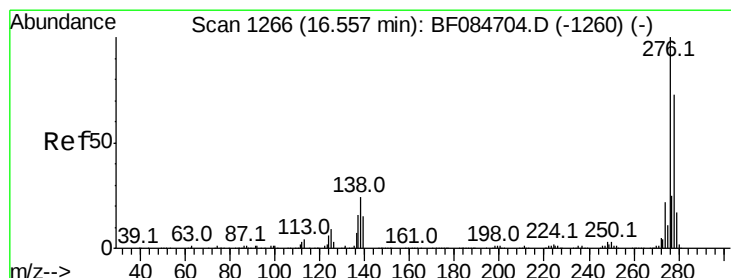
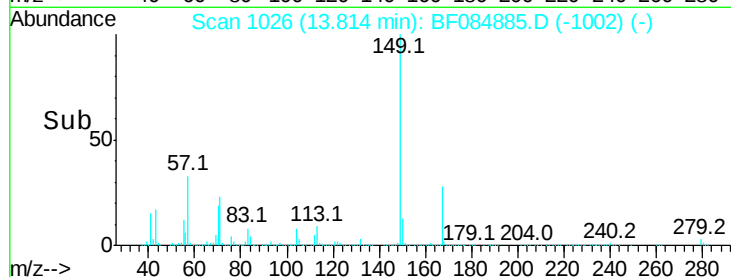
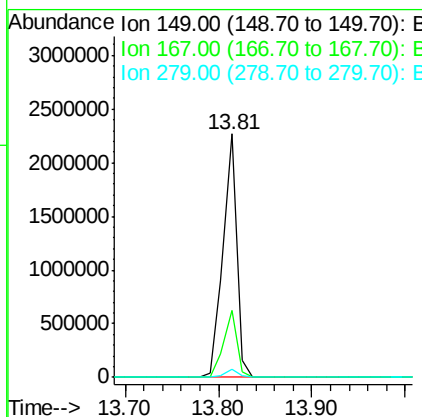
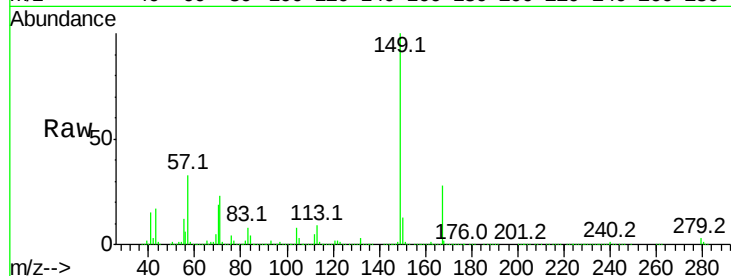
149 100

167 27.7 19.7 29.5

279 3.1 1.8 2.6#

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.85 ng

RT: 16.44 min Scan# 1256

Delta R.T. -0.06 min

Lab File: BF084885.D

Acq: 6 Feb 2016 3:00

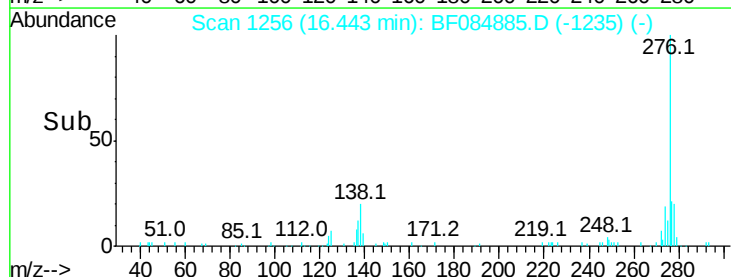
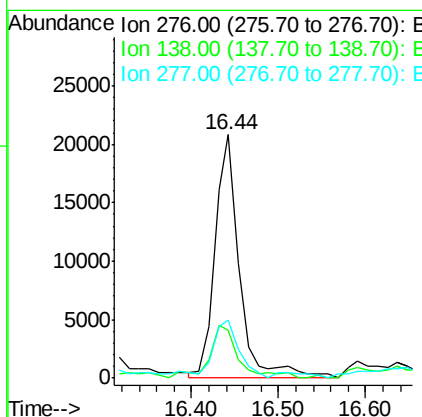
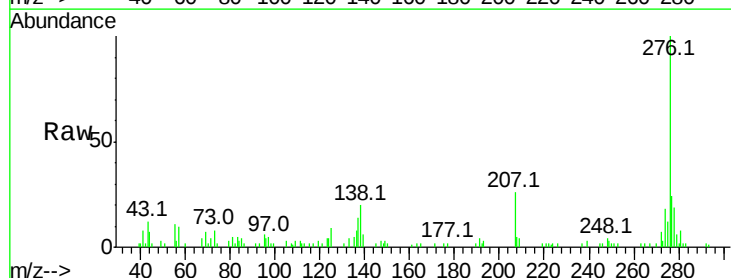
Tgt Ion:276 Resp: 41172

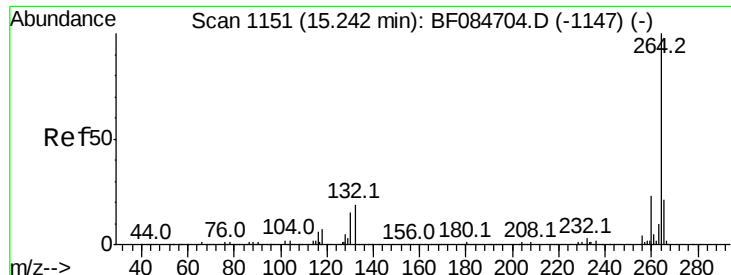
Ion Ratio Lower Upper

276 100

138 25.9 20.6 30.8

277 26.7 20.1 30.1





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.17 min Scan# 1145

Delta R.T. -0.03 min

Lab File: BF084885.D

Acq: 6 Feb 2016 3:00

Instrument :

BNA_F

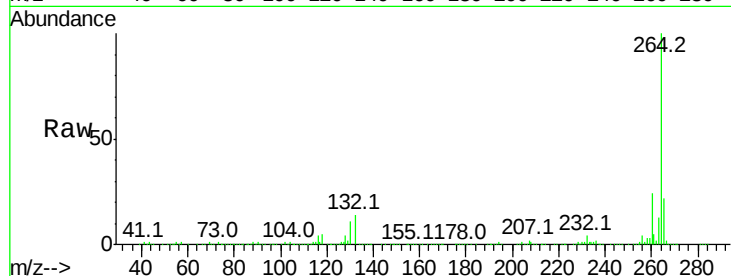
ClientSampleId :

S4-B007(1-2)

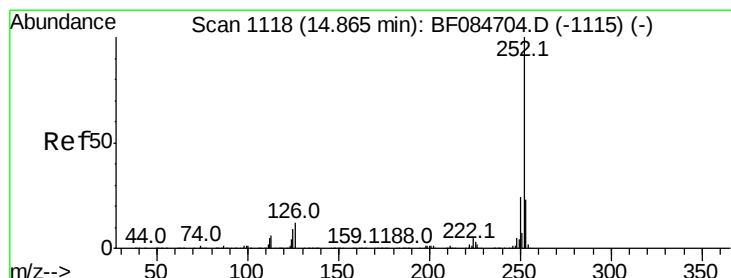
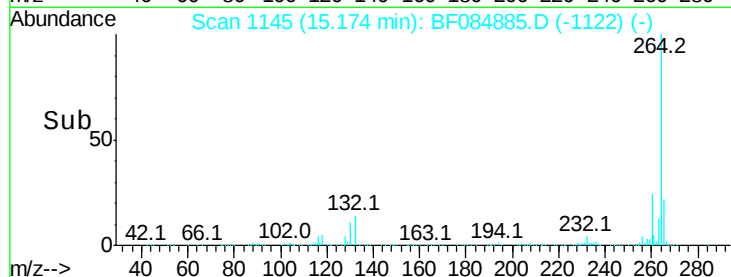
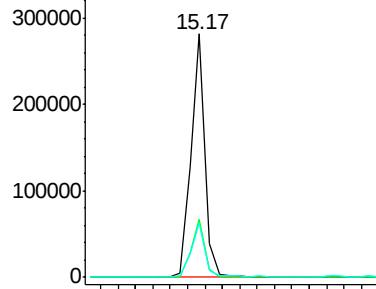
Tot Ion:	264	Resp:	318876
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.4	29.2
265	22.4	17.8	26.6

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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: 3.03 ng m

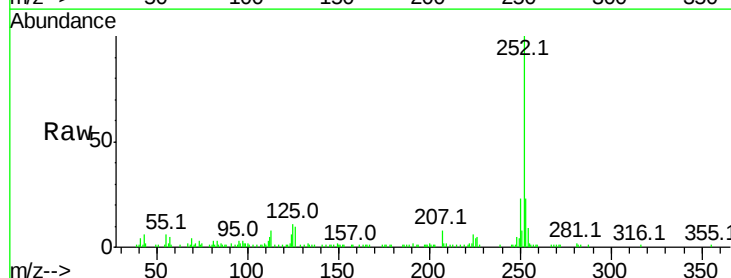
RT: 14.80 min Scan# 1112

Delta R.T. -0.03 min

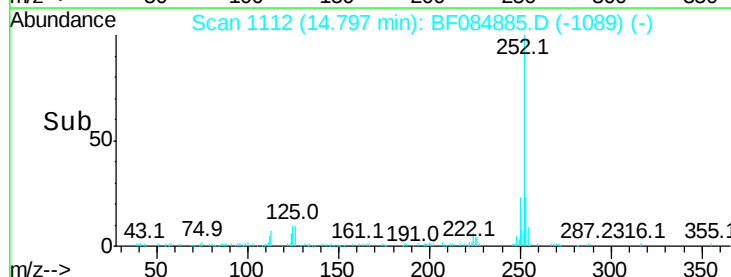
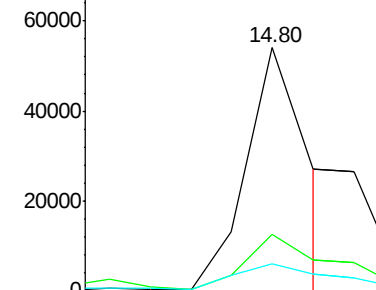
Lab File: BF084885.D

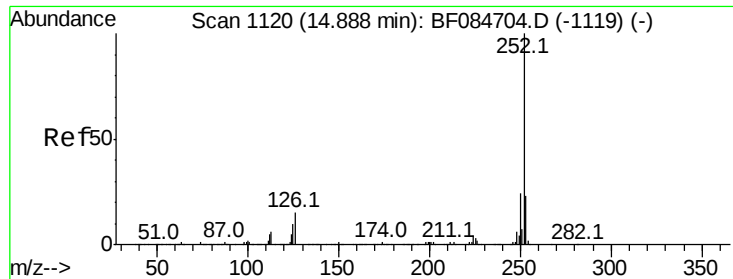
Acq: 6 Feb 2016 3:00

Tgt Ion:	252	Resp:	64827
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.3	25.9
125	11.2	6.5	9.7#



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: 4.92 ng

RT: 14.80 min Scan# 1112

Delta R.T. -0.06 min

Lab File: BF084885.D

Acq: 6 Feb 2016 3:00

Instrument :

BNA_F

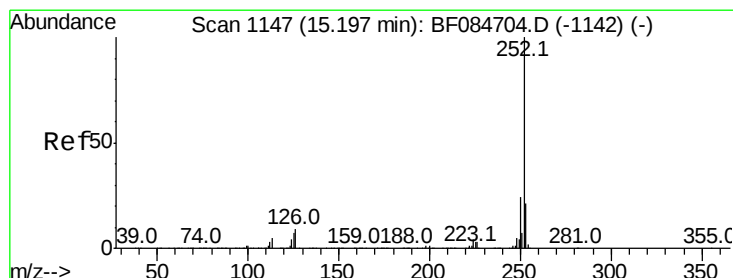
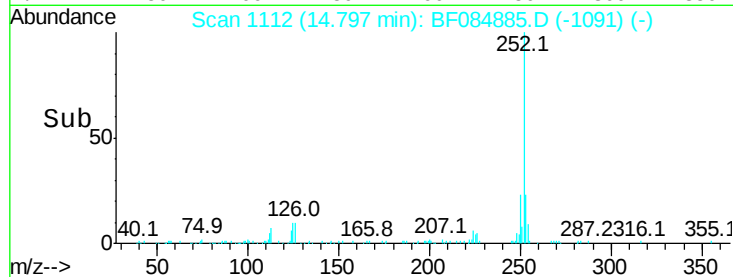
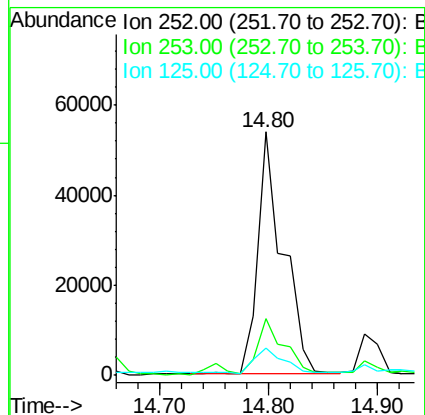
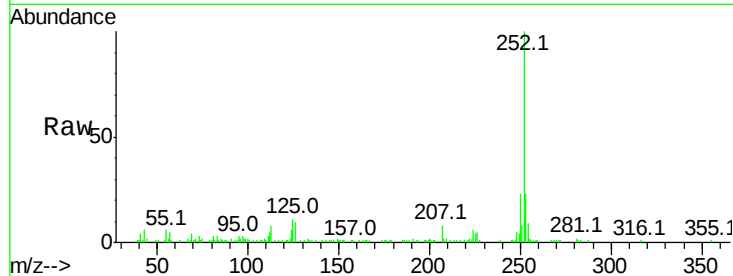
ClientSampleId :

S4-B007(1-2)

Tot Ion:	252	Resp:	87120
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.1	27.1
125	11.2	9.0	13.6

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 3.01 ng

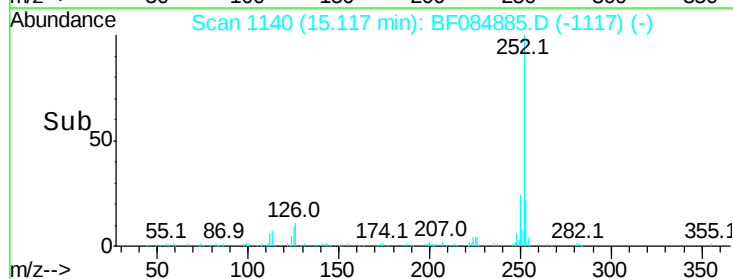
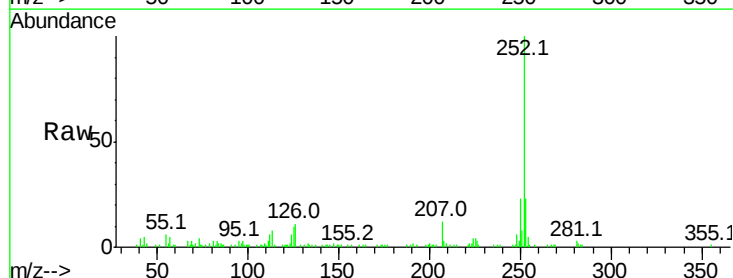
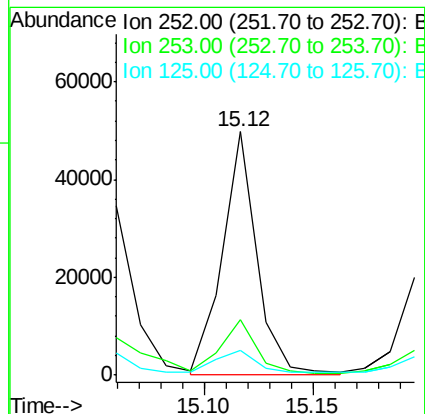
RT: 15.12 min Scan# 1140

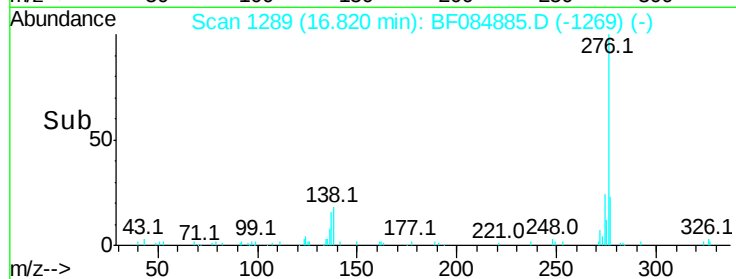
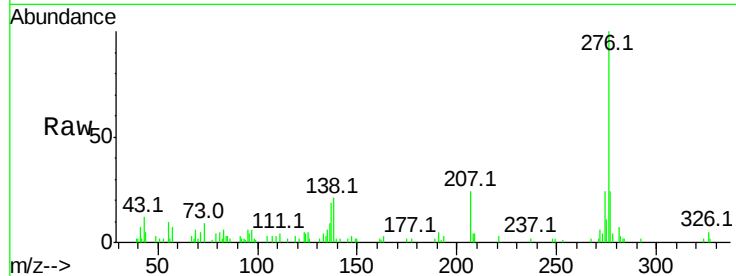
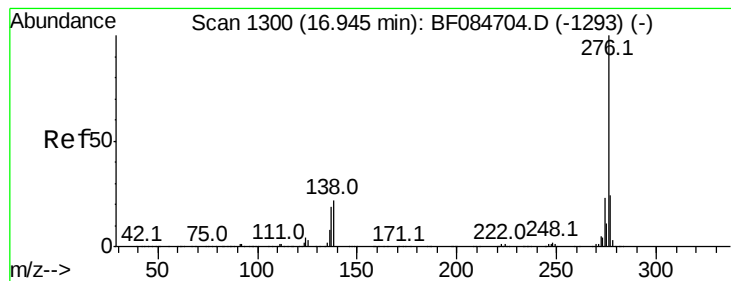
Delta R.T. -0.03 min

Lab File: BF084885.D

Acq: 6 Feb 2016 3:00

Tgt Ion:	252	Resp:	55010
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.3	25.9
125	10.2	7.0	10.4





#91

Benzo(a,h,i)perylene

Concen: 2.64 ng

RT: 16.82 min Scan# 1289

Delta R.T. -0.07 min

Lab File: BF084885.D

Acq: 6 Feb 2016 3:00

Instrument :

BNA_F

ClientSampleId :

S4-B007(1-2)

Tot Ion:	276	Resp:	40865
Ion Ratio		Lower	Upper
276	100		
277	23.9	18.8	28.2
138	20.8	17.8	26.6

Manual Integrations
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