

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122015\
 Data File : BF083966.D
 Acq On : 19 Dec 2015 20:39
 Operator : UM/SJ
 Sample : G4869-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LTCWC-04

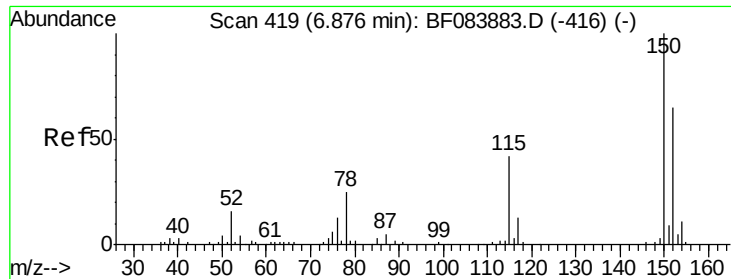
Manual Integrations
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apatel
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Quant Time: Dec 21 03:55:52 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 14:23:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	71482	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	292512	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	136064	20.00	ng	-0.03
63) Phenanthrene-d10	11.37	188	253414	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	186782	20.00	ng	-0.03
86) Perylene-d12	15.44	264	146260	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	466392	102.11	ng	-0.01
7) Phenol-d6	6.50	99	619104	110.73	ng	-0.01
23) Nitrobenzene-d5	7.41	82	371252	72.44	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	151507	101.07	ng	-0.03
44) 2-Fluorobiphenyl	9.21	172	628015	62.10	ng	-0.03
78) Terphenyl-d14	12.95	244	491955	59.71	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.61	163	163529	14.32	ng	# 91
70) Phenanthrene	11.39	178	59329	3.87	ng	99
74) Fluoranthene	12.58	202	96044	6.29	ng	95
77) Pyrene	12.81	202	81446	3.80	ng	99
80) Benzo(a)anthracene	14.00	228	37947m	3.30	ng	
82) Chrysene	14.03	228	27376m	2.47	ng	
87) Benzo(b)fluoranthene	15.03	252	30775m	2.89	ng	
89) Benzo(a)pyrene	15.38	252	23568	2.68	ng	95

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



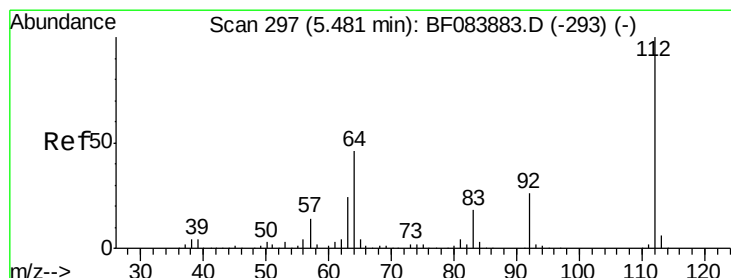
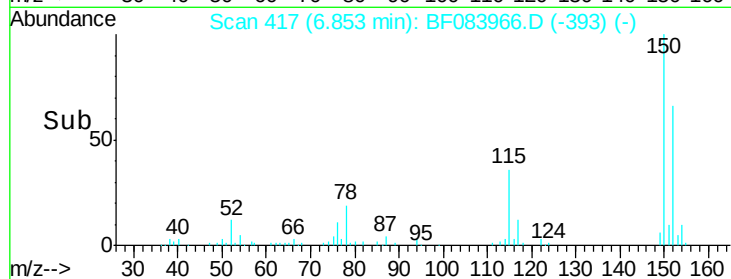
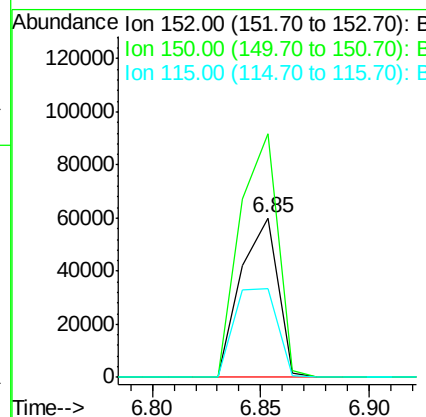
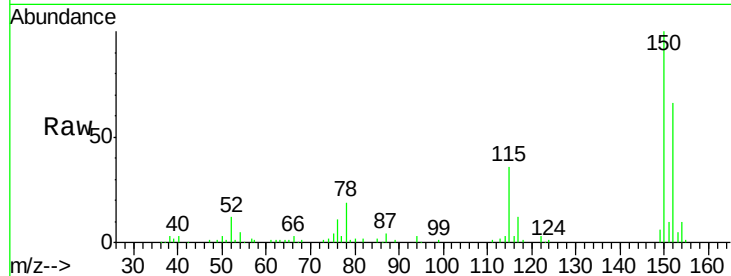
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.85 min Scan# 417
 Delta R.T. -0.02 min
 Lab File: BF083966.D
 Acq: 19 Dec 2015 20:39

Instrument :
 BNA_F
 ClientSampleId :
 LTCWC-04

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	123.0	184.4
115	55.4	51.4	77.2

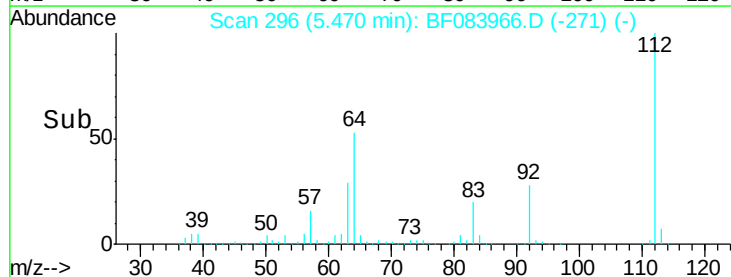
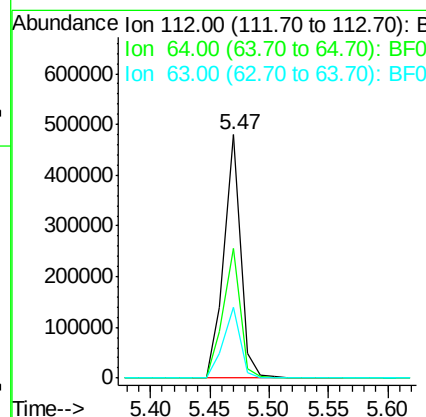
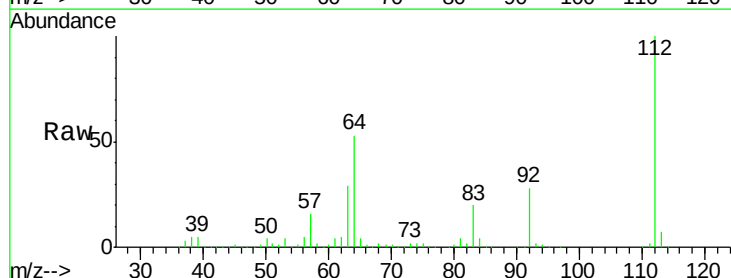
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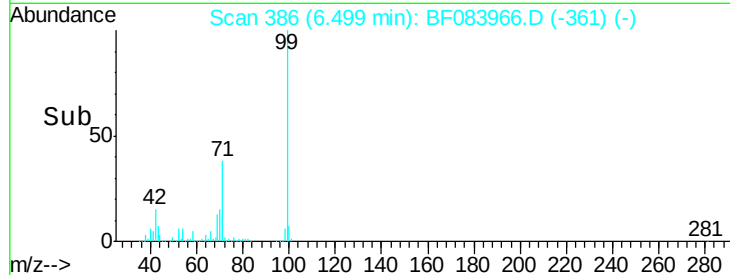
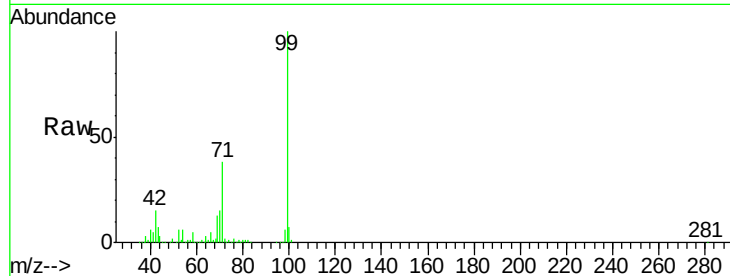
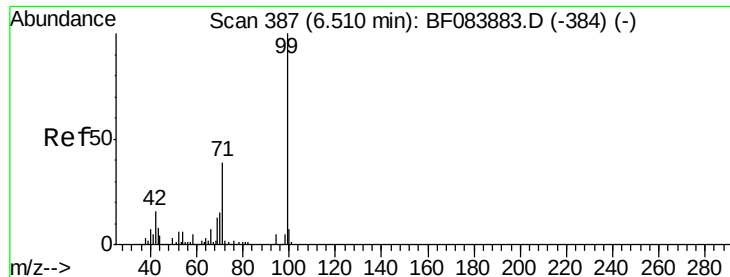
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#5
 2-Fluorophenol
 Concen: 102.11 ng
 RT: 5.47 min Scan# 296
 Delta R.T. -0.01 min
 Lab File: BF083966.D
 Acq: 19 Dec 2015 20:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.4	36.6	55.0
63	29.0	19.4	29.0





#7

Phenol-d6

Concen: 110.73 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF083966.D

Acq: 19 Dec 2015 20:39

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		619104		
42	15.3	12.8	19.2		
71	38.2	30.9	46.3		

Instrument :

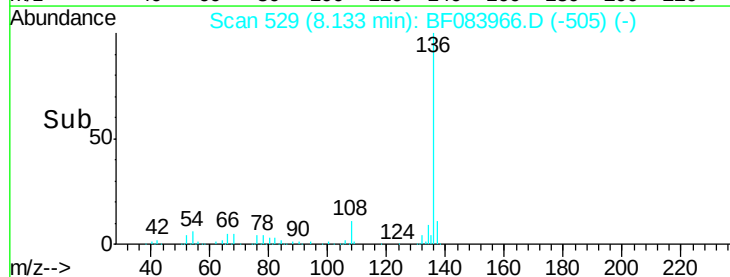
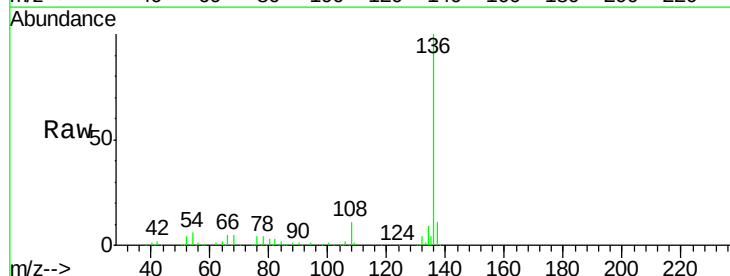
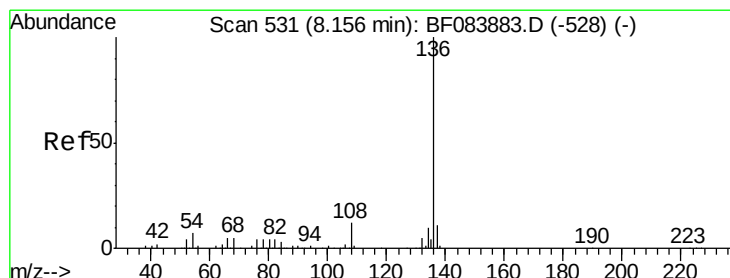
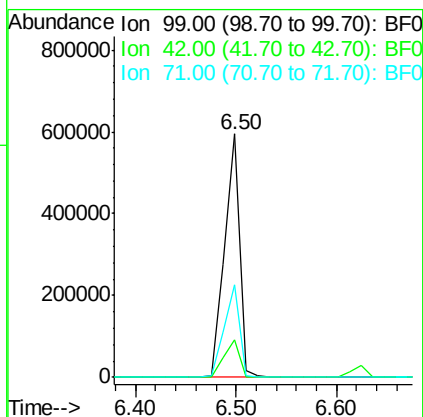
BNA_F

ClientSampleId :

LTCWC-04

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#21

Naphthalene-d8

Concen: 20.00 ng

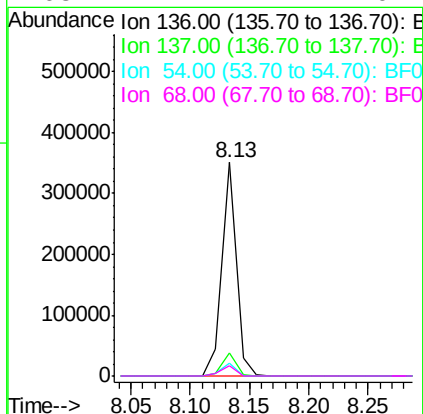
RT: 8.13 min Scan# 529

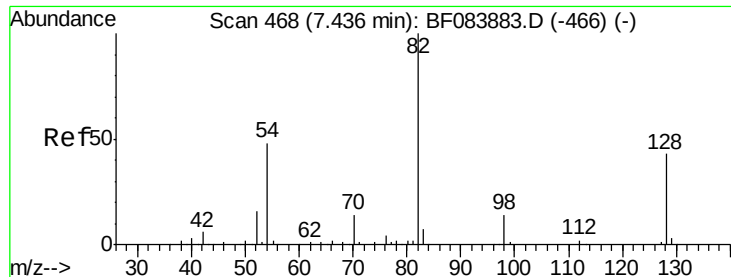
Delta R.T. -0.02 min

Lab File: BF083966.D

Acq: 19 Dec 2015 20:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		292512		
137	10.9	8.7	13.1		
54	6.2	5.8	8.8		
68	4.7	4.2	6.2		





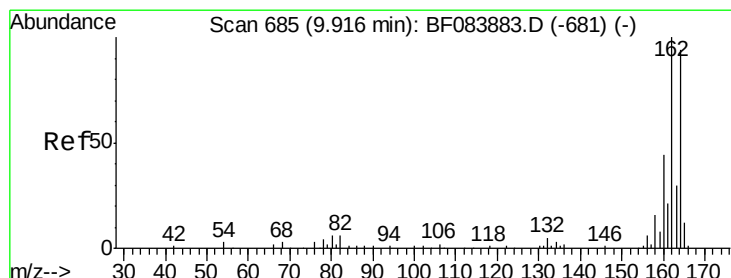
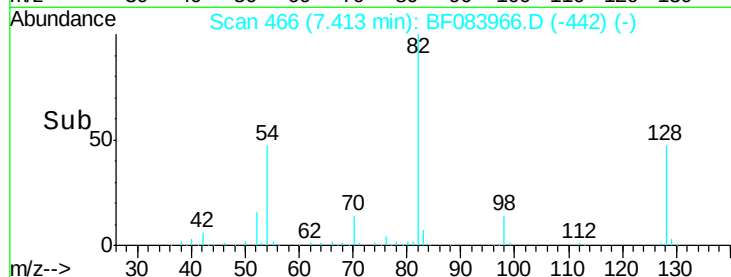
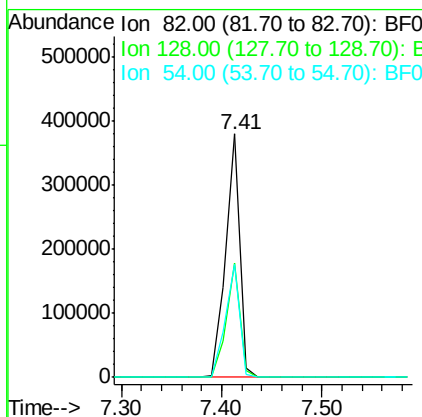
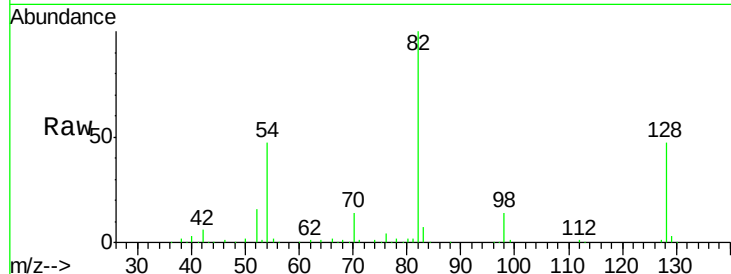
#23
 Nitrobenzene-d5
 Concen: 72.44 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.02 min
 Lab File: BF083966.D
 Acq: 19 Dec 2015 20:39

Instrument :
 BNA_F
 ClientSampleId :
 LTCWC-04

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.1	34.6	51.8
54	46.6	38.4	57.6

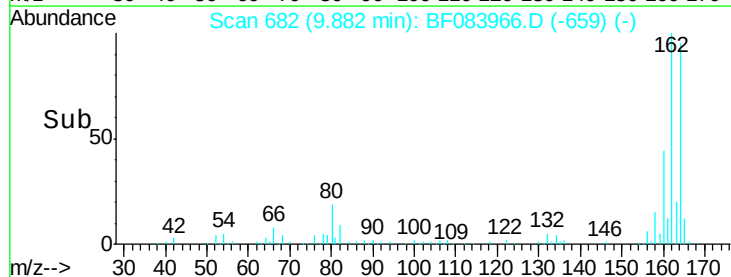
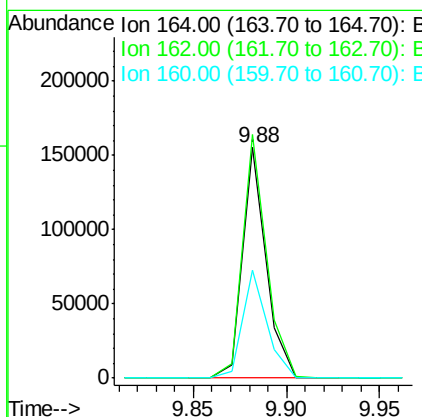
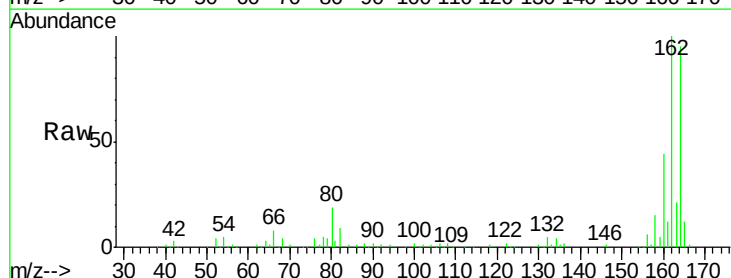
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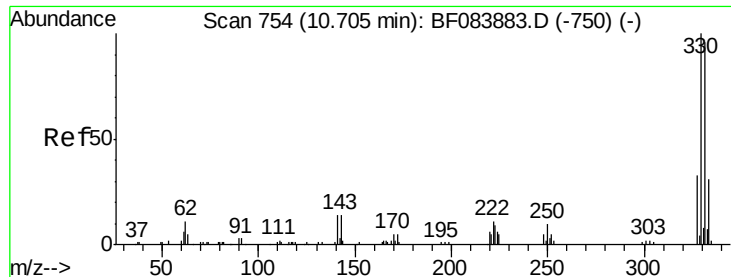
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.03 min
 Lab File: BF083966.D
 Acq: 19 Dec 2015 20:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.7	85.1	127.7
160	46.8	37.5	56.3





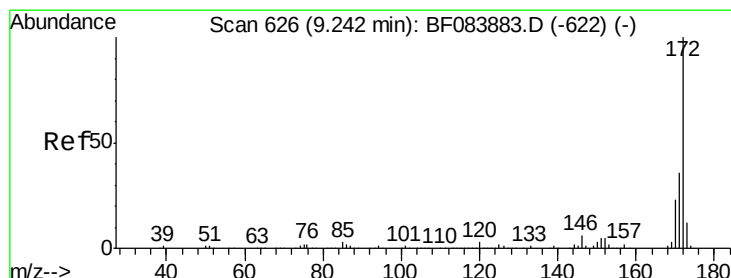
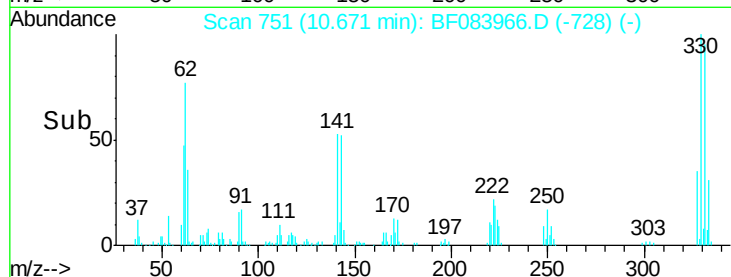
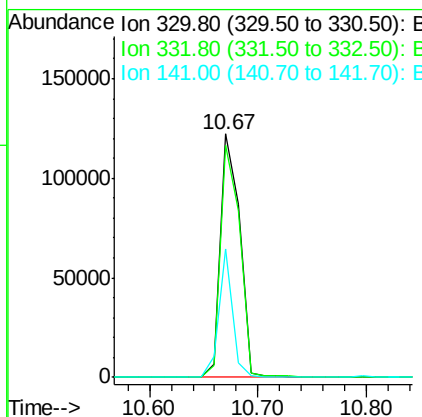
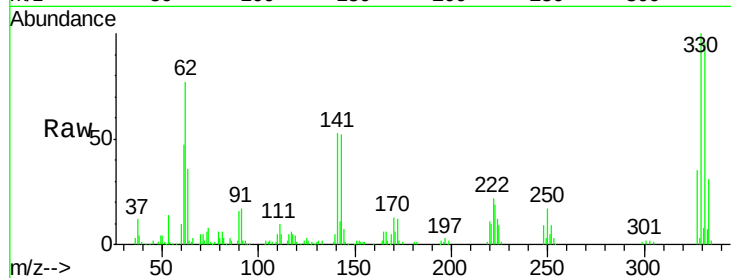
#41
 2,4,6-Tribromophenol
 Concen: 101.07 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.03 min
 Lab File: BF083966.D
 Acq: 19 Dec 2015 20:39

Instrument :
 BNA_F
 ClientSampleId :
 LTCWC-04

Tot Ion	Ratio	Resp	Lower	Upper
330	100	151507		
332	95.7	76.6	114.8	
141	37.6	27.8	41.6	

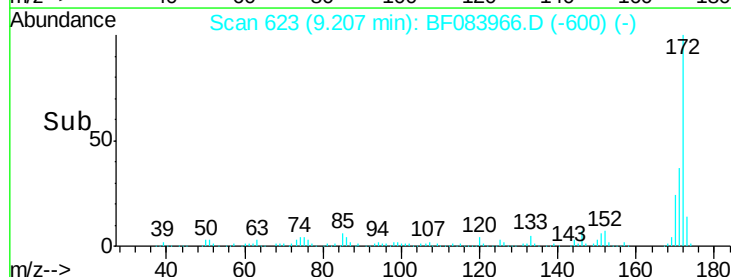
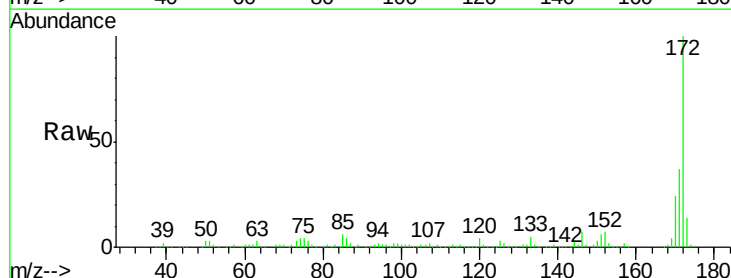
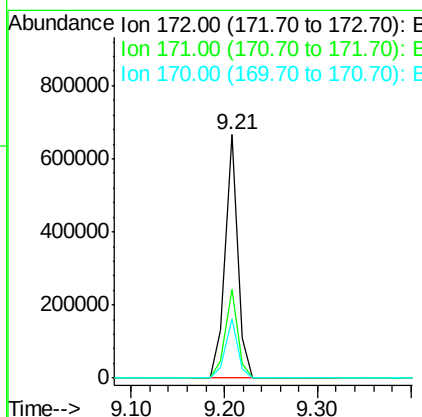
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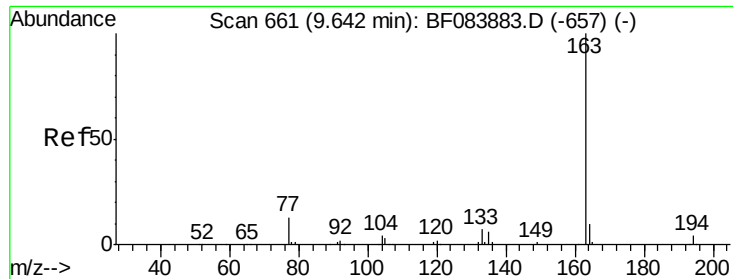
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#44
 2-Fluorobiphenyl
 Concen: 62.10 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.03 min
 Lab File: BF083966.D
 Acq: 19 Dec 2015 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	628015		
171	36.7	28.9	43.3	
170	24.4	18.6	27.8	





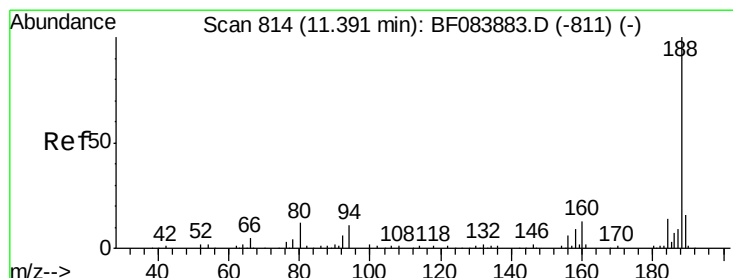
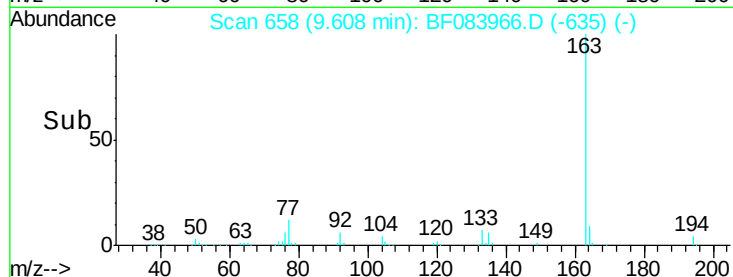
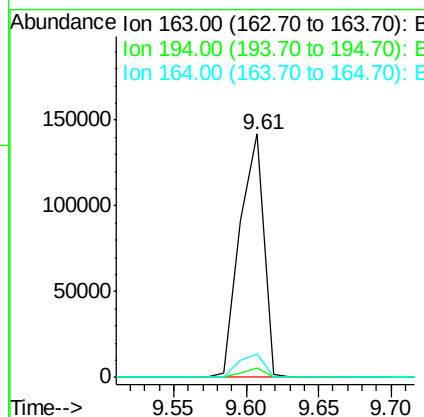
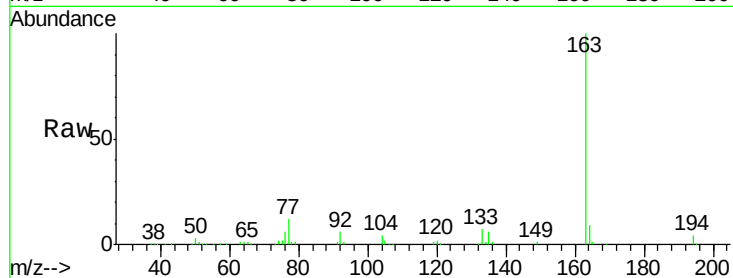
#49
Dimethylphthalate
Concen: 14.32 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.03 min
Lab File: BF083966.D
Acq: 19 Dec 2015 20:39

Instrument :
BNA_F
ClientSampleId :
LTCWC-04

Tot Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.7	8.0	12.0#
164	9.4	8.0	12.0

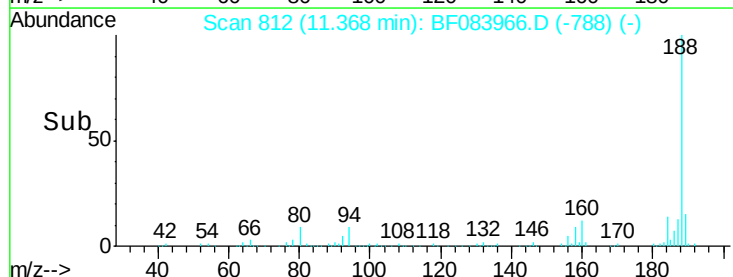
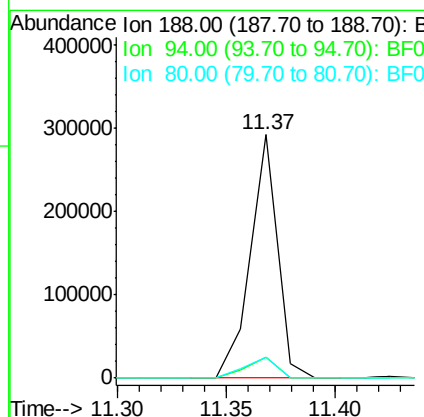
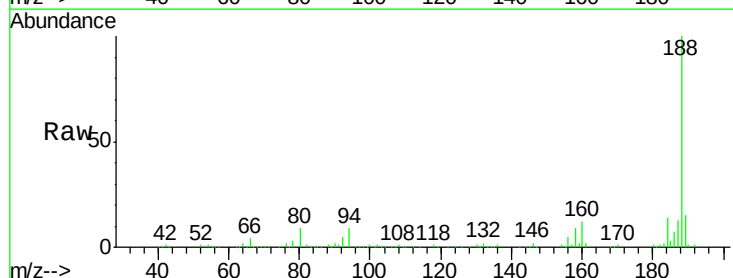
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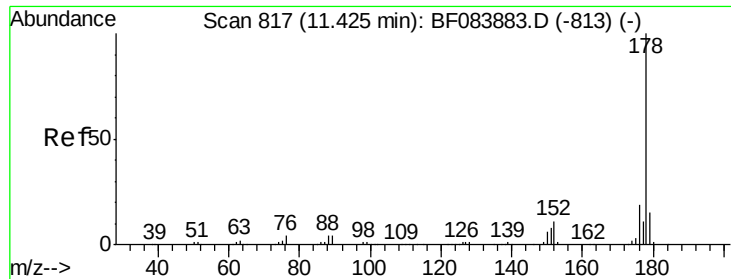
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.02 min
Lab File: BF083966.D
Acq: 19 Dec 2015 20:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.6	9.0	13.4#
80	8.7	9.6	14.4#





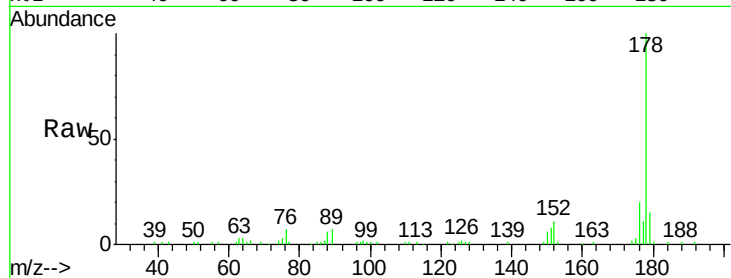
#70
Phenanthrene
Concen: 3.87 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.03 min
Lab File: BF083966.D
Acq: 19 Dec 2015 20:39

Instrument :
BNA_F
ClientSampleId :
LTCWC-04

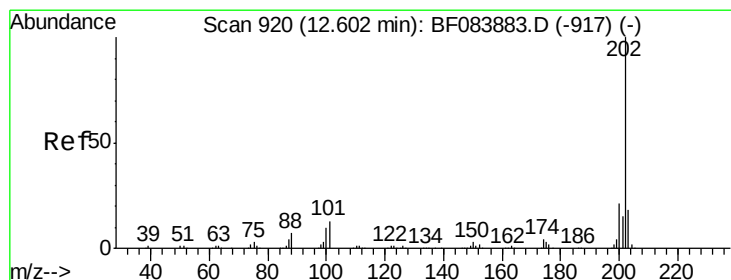
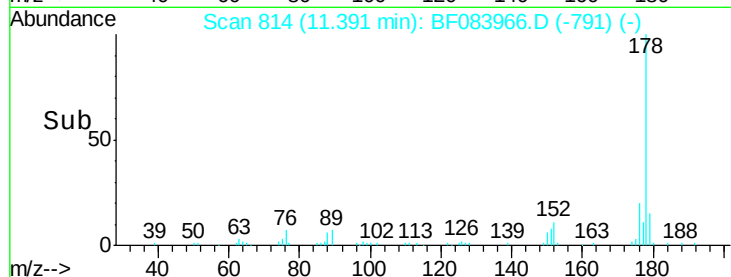
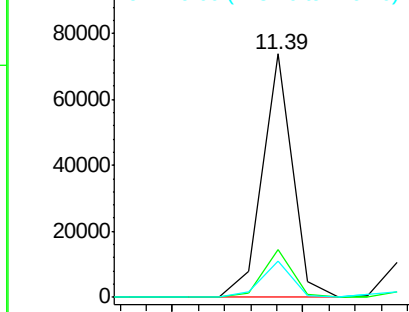
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	14.7	12.0	18.0

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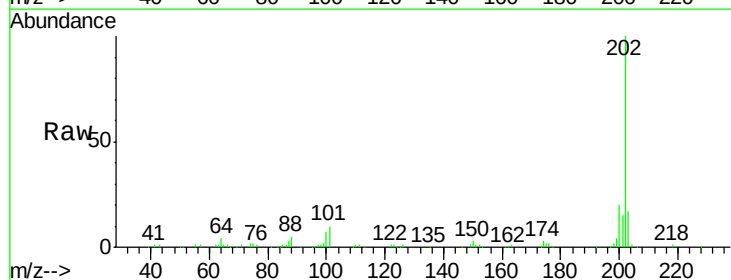


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

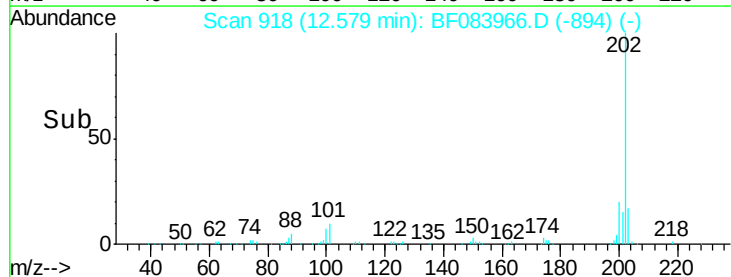
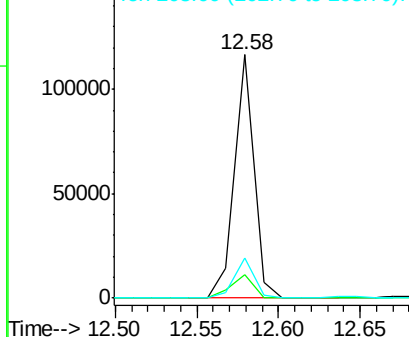


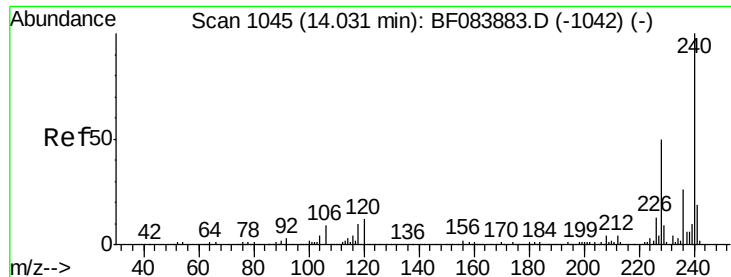
#74
Fluoranthene
Concen: 6.29 ng
RT: 12.58 min Scan# 918
Delta R.T. -0.02 min
Lab File: BF083966.D
Acq: 19 Dec 2015 20:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	32.8
203	16.7	0.0	37.9



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. -0.03 min

Lab File: BF083966.D

Acq: 19 Dec 2015 20:39

Instrument :

BNA_F

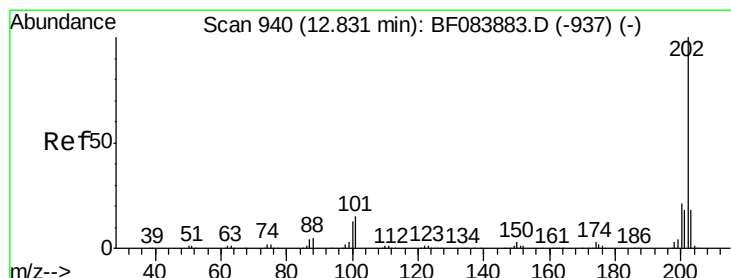
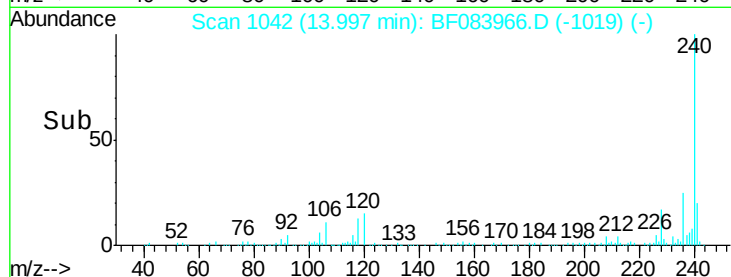
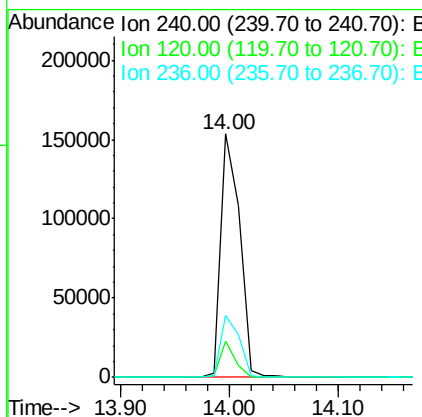
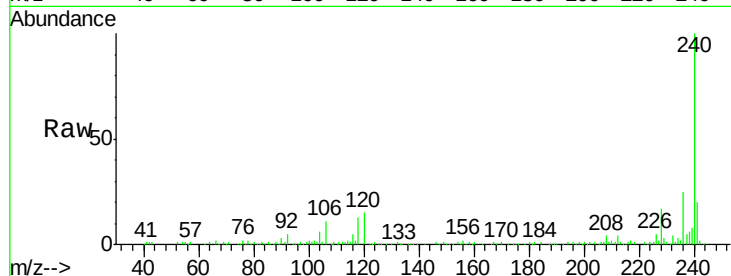
ClientSampleId :

LTCWC-04

Tot Ion:	240	Resp:	186782
Ion Ratio	Lower	Upper	
240	100		
120	14.9	9.5	14.3#
236	25.3	20.6	31.0

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#77

Pyrene

Concen: 3.80 ng

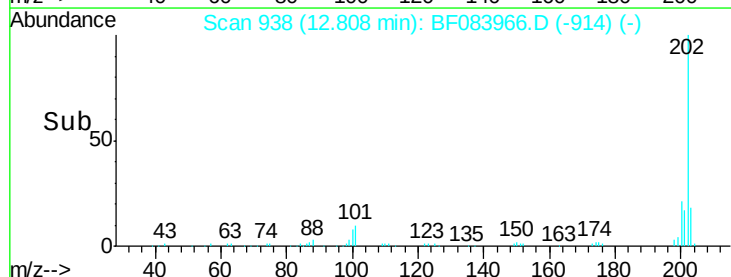
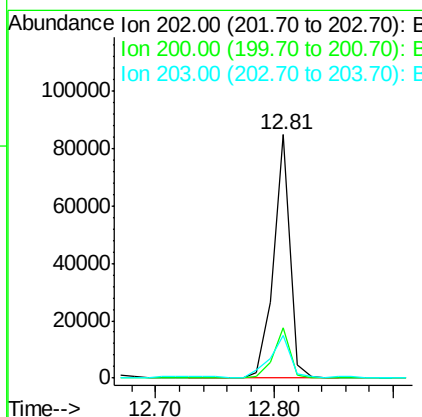
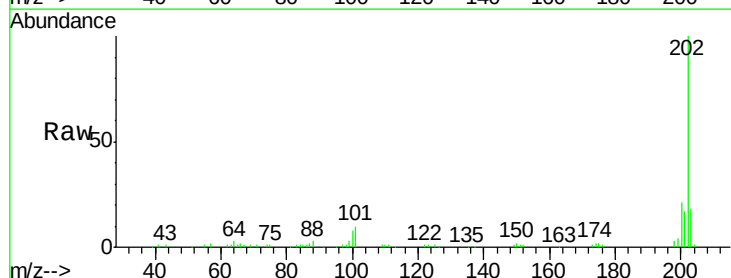
RT: 12.81 min Scan# 938

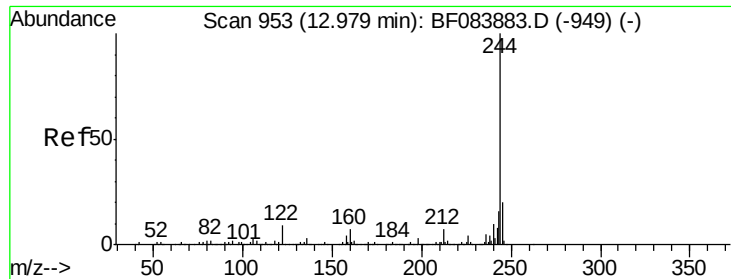
Delta R.T. -0.02 min

Lab File: BF083966.D

Acq: 19 Dec 2015 20:39

Tgt Ion:	202	Resp:	81446
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.2	25.8
203	17.6	14.3	21.5





#78

Terphenyl-d14

Concen: 59.71 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.03 min

Lab File: BF083966.D

Acq: 19 Dec 2015 20:39

Instrument :

BNA_F

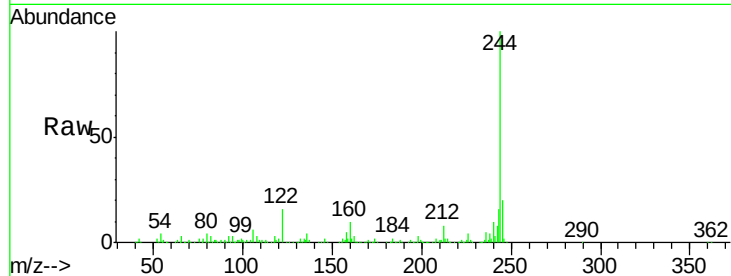
ClientSampleId :

LTCWC-04

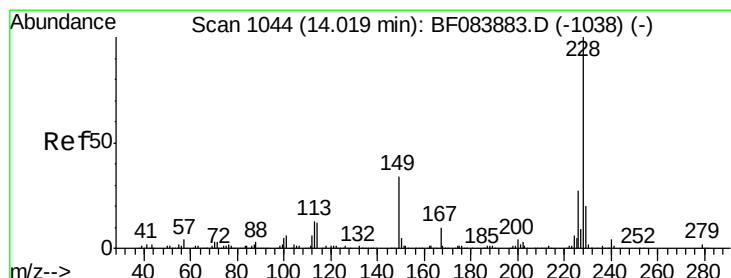
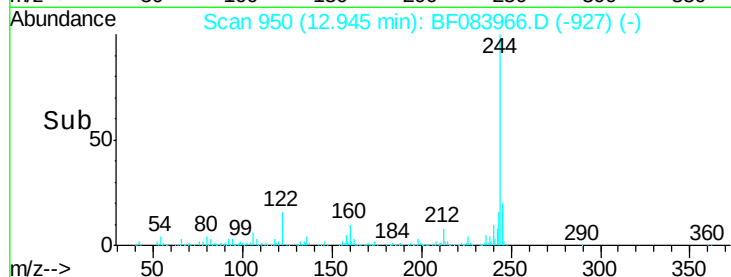
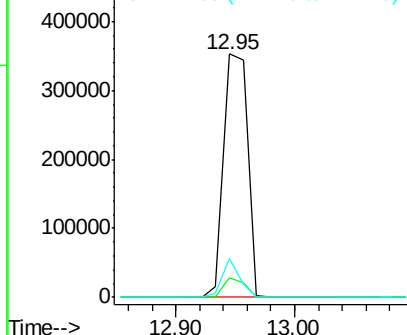
Tot Ion:	244	Resp:	491955
Ion Ratio	Lower	Upper	
244	100		
212	7.9	5.7	8.5
122	15.9	7.4	11.0

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 3.30 ng m

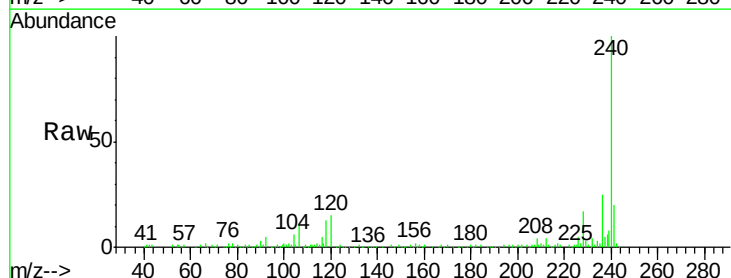
RT: 14.00 min Scan# 1042

Delta R.T. -0.02 min

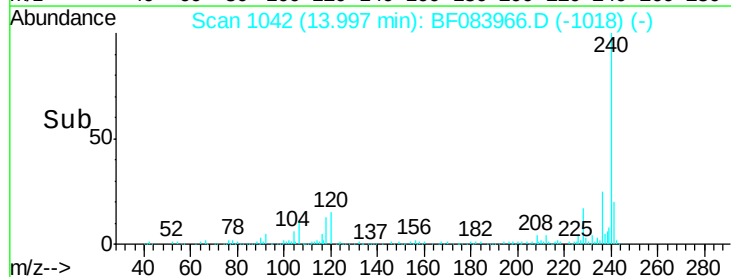
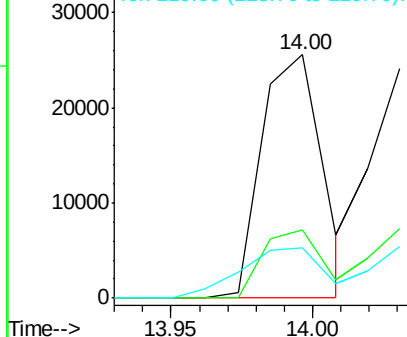
Lab File: BF083966.D

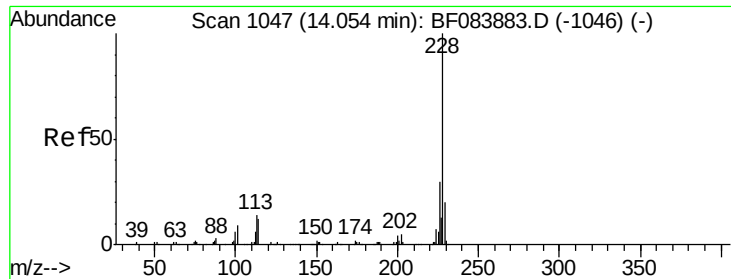
Acq: 19 Dec 2015 20:39

Tgt Ion:	228	Resp:	37947
Ion Ratio	Lower	Upper	
228	100		
226	28.1	21.8	32.6
229	20.8	15.8	23.8



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.47 ng/mL

RT: 14.03 min Scan# 1045

Delta R.T. -0.02 min

Lab File: BF083966.D

Acq: 19 Dec 2015 20:39

Instrument :

BNA_F

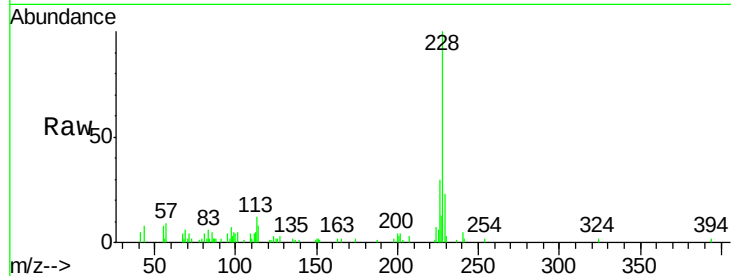
ClientSampleId :

LTCWC-04

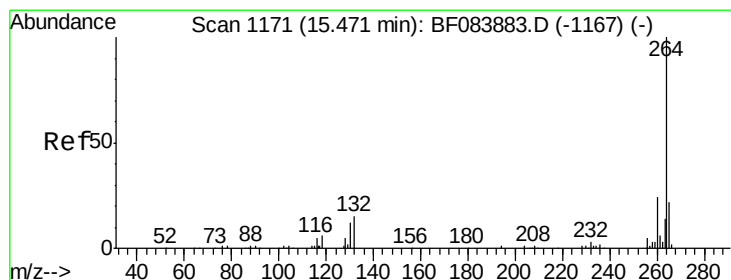
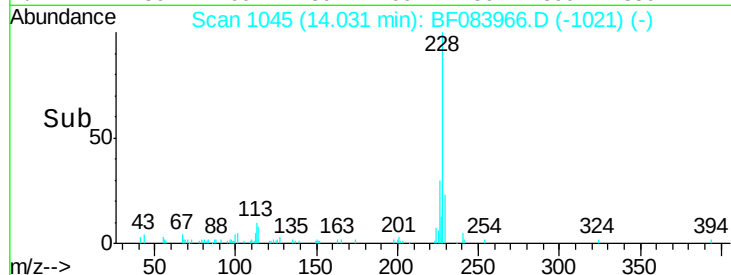
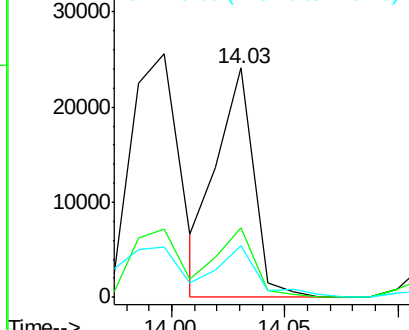
Tot Ion:	228	Resp:	27376
Ion Ratio	Lower	Upper	
228	100		
226	30.1	24.3	36.5
229	22.7	16.1	24.1

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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



#86

Perylene-d12

Concen: 20.00 ng/mL

RT: 15.44 min Scan# 1168

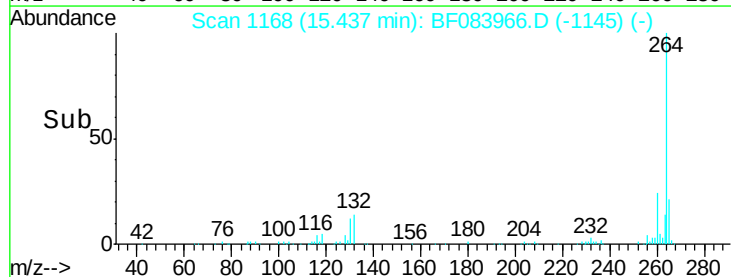
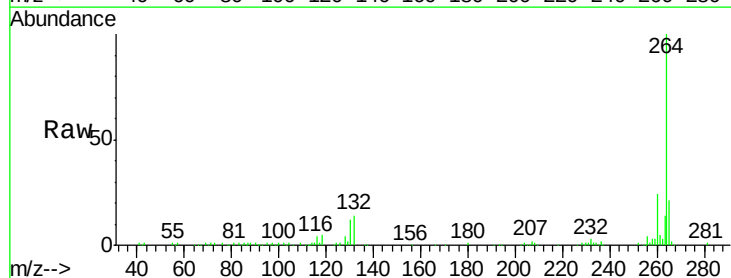
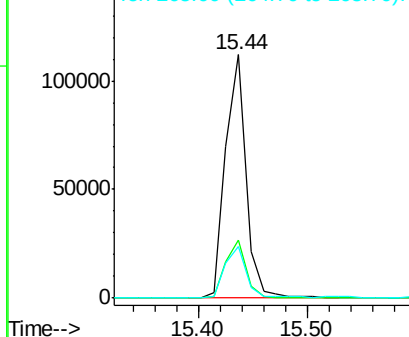
Delta R.T. -0.03 min

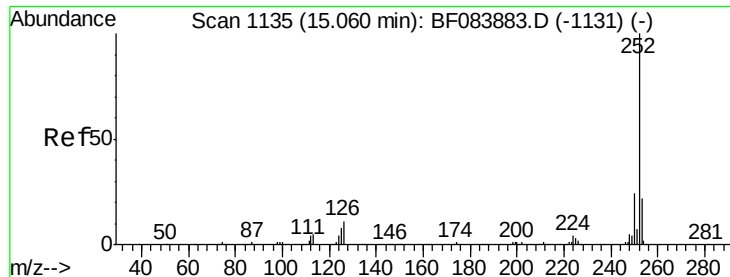
Lab File: BF083966.D

Acq: 19 Dec 2015 20:39

Tgt Ion:	264	Resp:	146260
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.4	29.2
265	21.0	17.8	26.6

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: 2.89 ng

RT: 15.03 min Scan# 1132

Delta R.T. -0.03 min

Lab File: BF083966.D

Acq: 19 Dec 2015 20:39

Instrument :

BNA_F

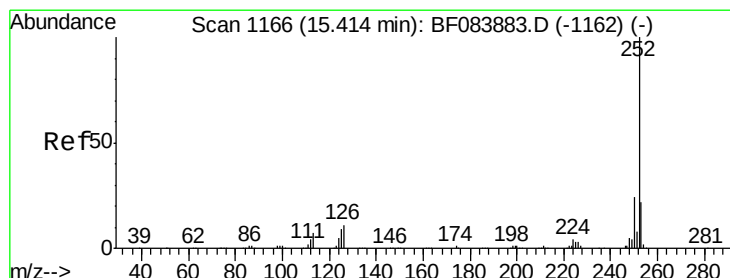
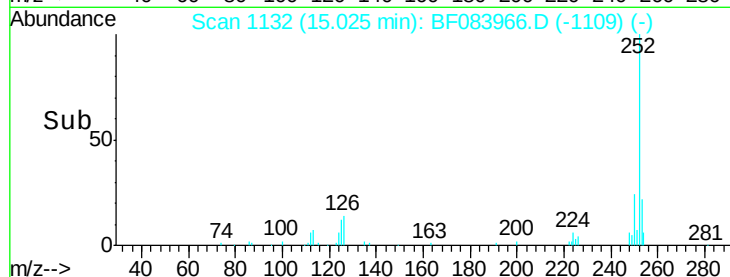
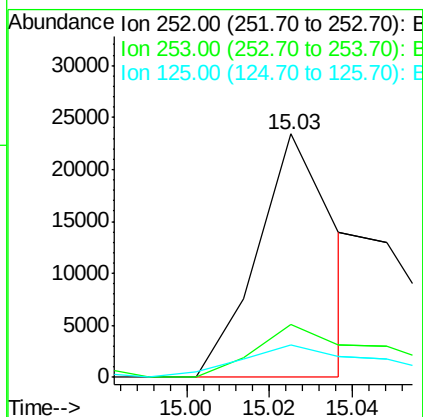
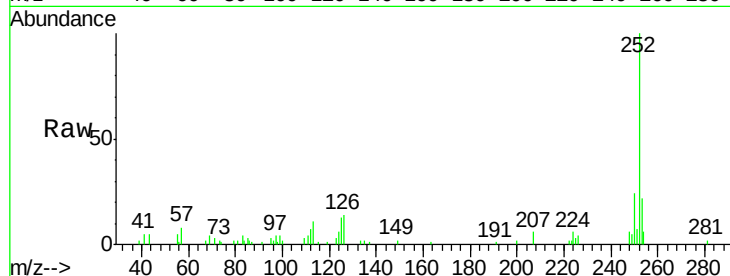
ClientSampleId :

LTCWC-04

Tot Ion:	252	Resp:	30775
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.3	25.9
125	13.4	6.5	9.7#

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#89

Benzo(a)pyrene

Concen: 2.68 ng

RT: 15.38 min Scan# 1163

Delta R.T. -0.03 min

Lab File: BF083966.D

Acq: 19 Dec 2015 20:39

Tgt Ion:	252	Resp:	23568
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.3	25.9
125	10.3	7.0	10.4

