

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122015\
 Data File : BF083970.D
 Acq On : 19 Dec 2015 22:30
 Operator : UM/SJ
 Sample : G4869-08
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LTCWC-TANK2

Manual Integrations
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Quant Time: Dec 21 05:08:03 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	63973	20.00	ng	-0.02
21) Naphthalene-d8	8.14	136	170481	20.00	ng	-0.01
38) Acenaphthene-d10	9.92	164	105676	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	159135	20.00	ng	0.01
75) Chrysene-d12	14.01	240	141326	20.00	ng	-0.02
86) Perylene-d12	15.44	264	121745	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	326301	79.82	ng	-0.02
7) Phenol-d6	6.50	99	456860	91.31	ng	-0.01
23) Nitrobenzene-d5	7.41	82	267999	89.72	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	105931	90.99	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	510988	65.48	ng	-0.01
78) Terphenyl-d14	12.97	244	340682	54.08	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.17	128	364383	42.29	ng	# 95
37) 2-Methylnaphthalene	8.86	142	852738	143.92	ng	# 95
45) 1,1'-Biphenyl	9.32	154	116540	11.91	ng	100
49) Dimethylphthalate	9.62	163	116301	13.12	ng	# 95
57) Fluorene	10.46	166	113205	12.99	ng	# 76
70) Phenanthrene	11.42	178	347906	36.19	ng	# 93
74) Fluoranthene	12.62	202	45183	4.71	ng	88
77) Pyrene	12.84	202	81381m	6.80	ng	
80) Benzo(a)anthracene	14.00	228	20796	2.39	ng	# 75
82) Chrysene	14.04	228	17151m	2.04	ng	
85) Indeno(1,2,3-cd)pyrene	16.87	276	12738	2.03	ng	# 93
87) Benzo(b)fluoranthene	15.04	252	25638m	2.89	ng	
89) Benzo(a)pyrene	15.38	252	16906	2.31	ng	# 59
91) Benzo(a,h,i)perylene	17.29	276	12934	2.31	ng	# 91

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

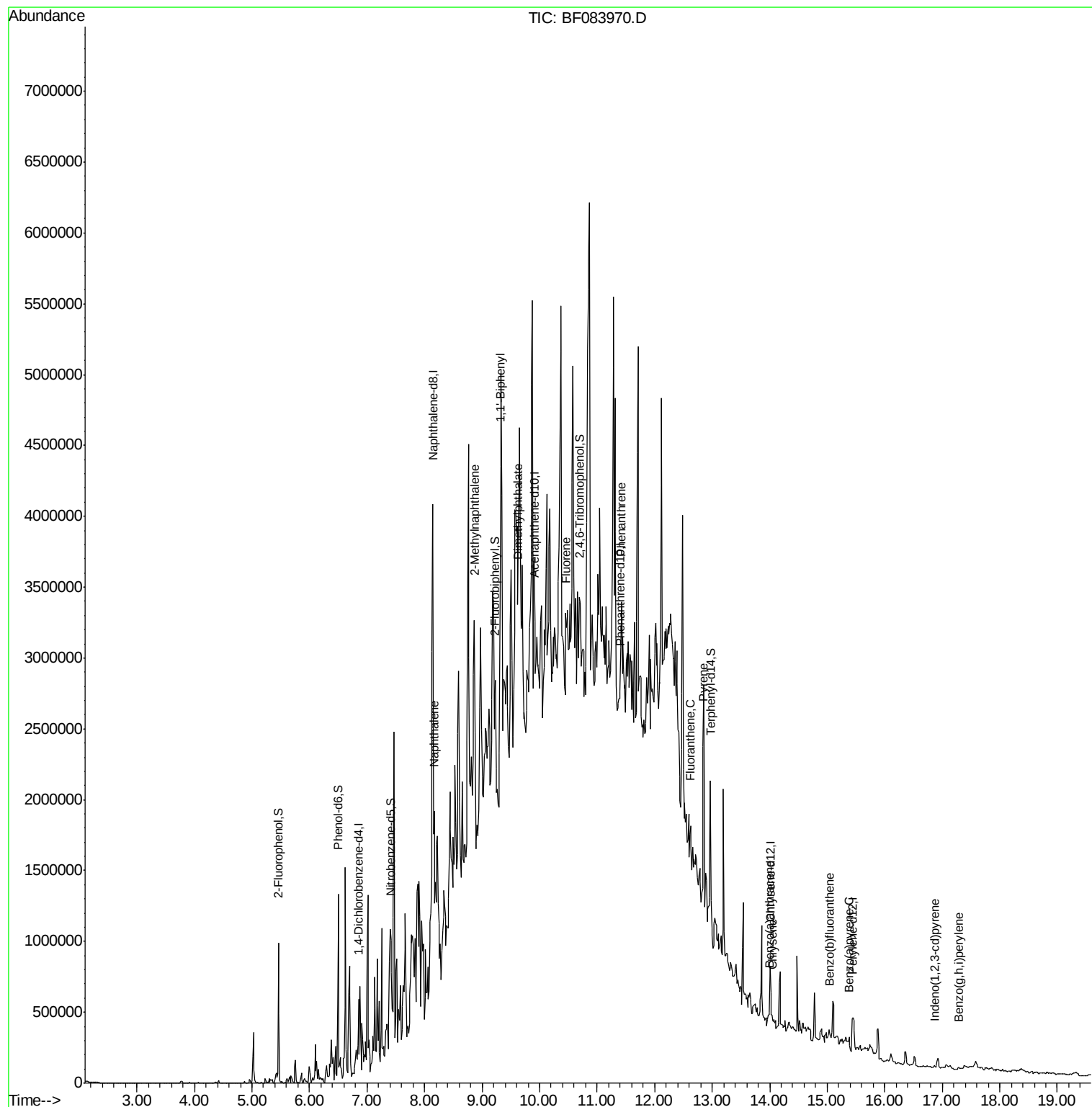
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122015\
Data File : BF083970.D
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Operator : UM/SJ
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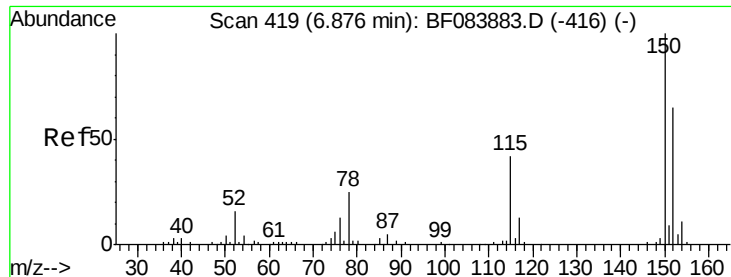
Instrument :
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LTCWC-TANK2

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Quant Time: Dec 21 05:08:03 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121815.M
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Response via : Initial Calibration





#1

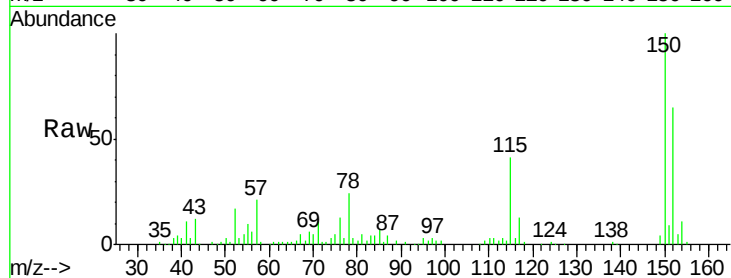
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. -0.02 min
Lab File: BF083970.D
Acq: 19 Dec 2015 22:30

Instrument :
BNA_F
ClientSampleId :
LTCWC-TANK2

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	123.0	184.4
115	62.6	51.4	77.2

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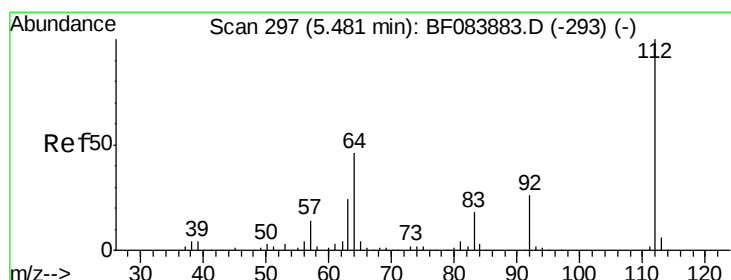
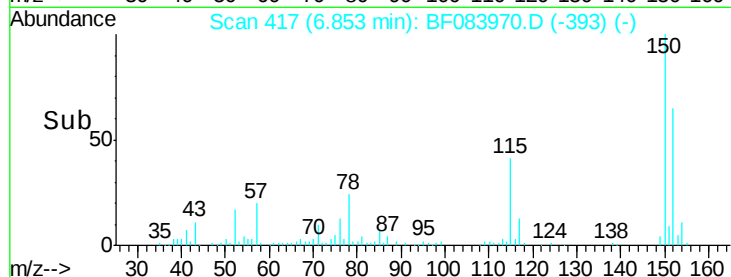
Abundance

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

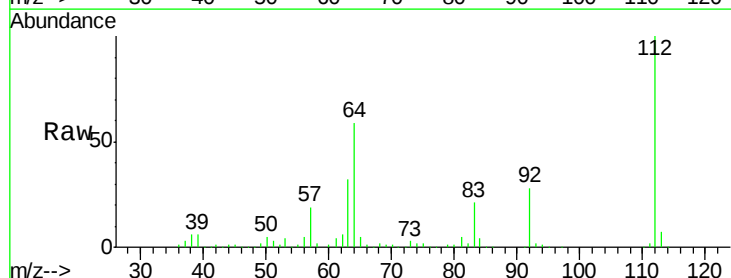
Time-->



#5

2-Fluorophenol
Concen: 79.82 ng
RT: 5.46 min Scan# 295
Delta R.T. -0.02 min
Lab File: BF083970.D
Acq: 19 Dec 2015 22:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	36.6	55.0#
63	32.2	19.4	29.0#



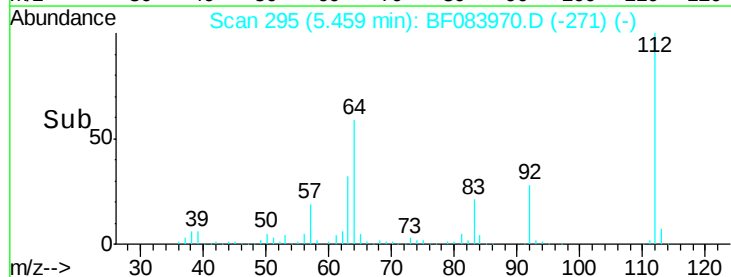
Abundance

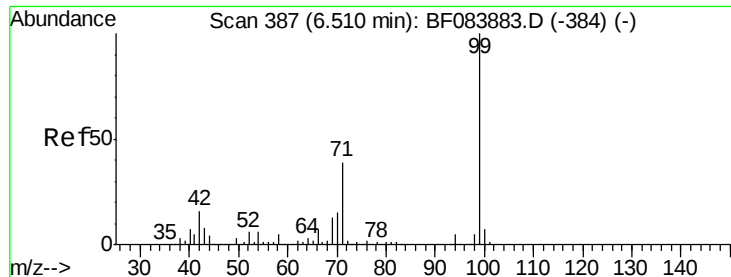
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->





#7

Phenol-d6

Concen: 91.31 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF083970.D

Acq: 19 Dec 2015 22:30

Instrument :

BNA_F

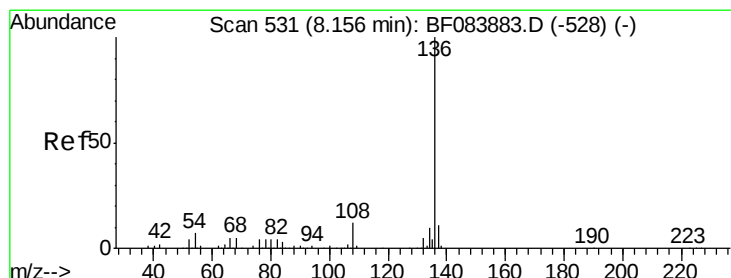
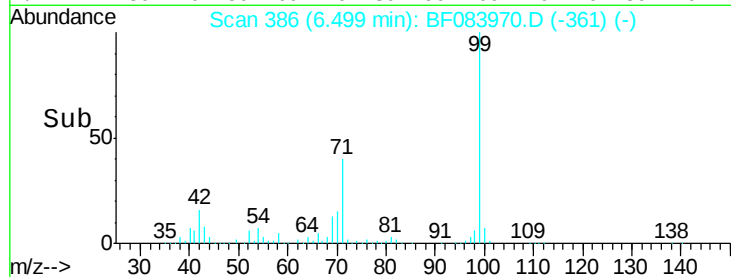
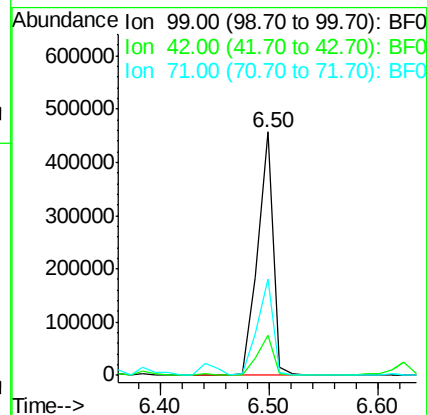
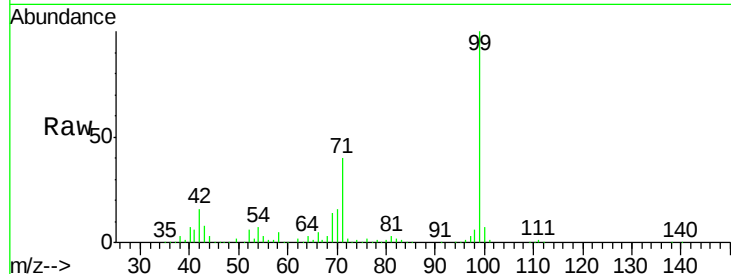
ClientSampleId :

LTCWC-TANK2

Tot Ion:	99	Resp:	456860
Ion Ratio	Lower	Upper	
99	100		
42	16.2	12.8	19.2
71	39.9	30.9	46.3

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#21

Naphthalene-d8

Concen: 20.00 ng

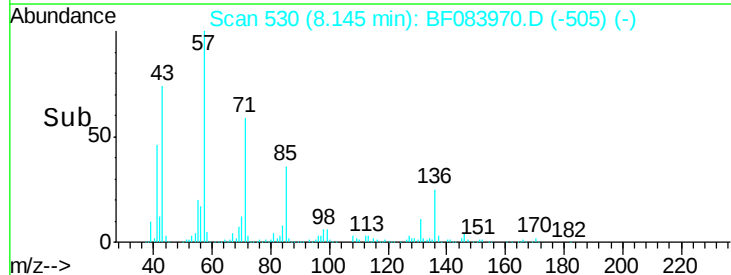
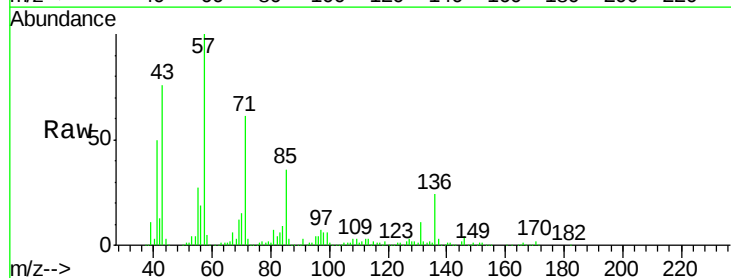
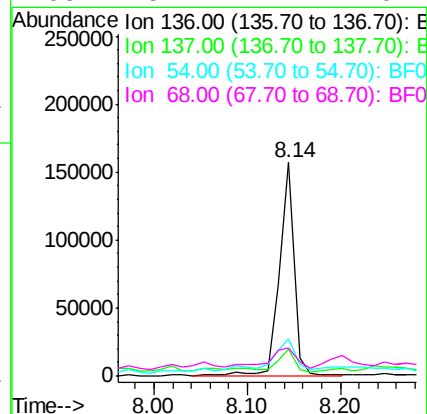
RT: 8.14 min Scan# 530

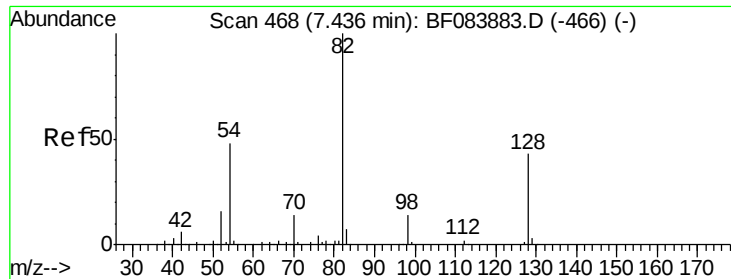
Delta R.T. -0.01 min

Lab File: BF083970.D

Acq: 19 Dec 2015 22:30

Tgt Ion:	136	Resp:	170481
Ion Ratio	Lower	Upper	
136	100		
137	12.5	8.7	13.1
54	17.2	5.8	8.8#
68	13.2	4.2	6.2#





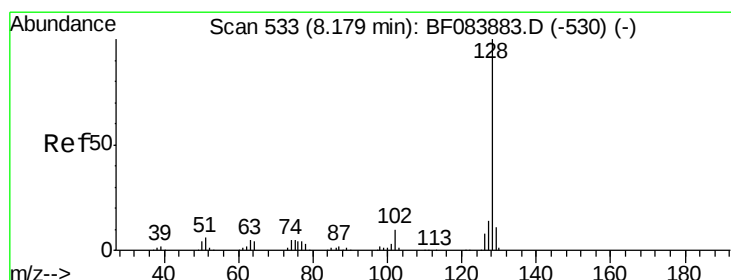
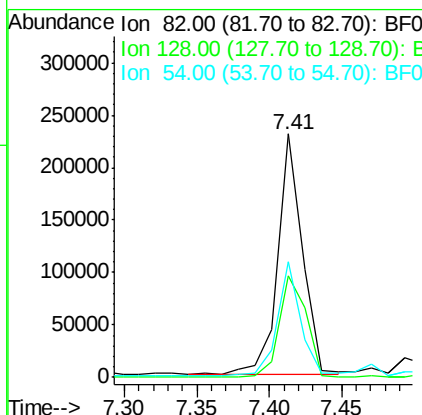
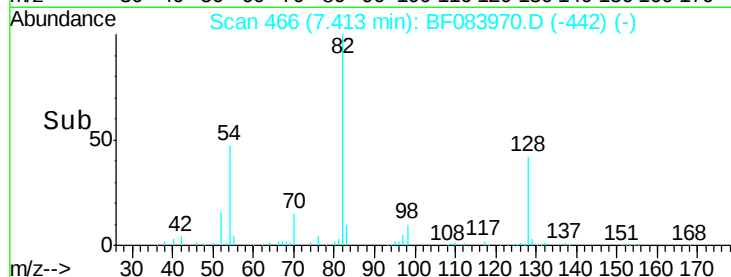
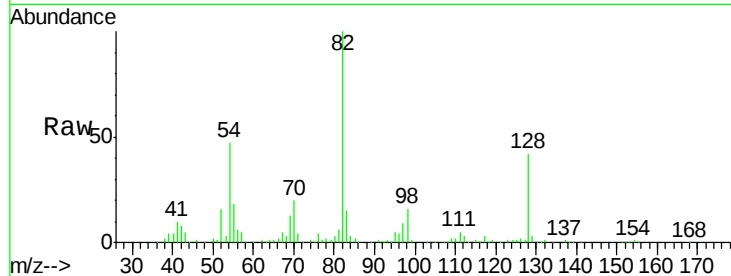
#23
Nitrobenzene-d5
Concen: 89.72 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.02 min
Lab File: BF083970.D
Acq: 19 Dec 2015 22:30

Instrument :
BNA_F
ClientSampleId :
LTCWC-TANK2

Tot Ion	Ratio	Resp	Lower	Upper
82	100	267999		
128	41.7		34.6	51.8
54	47.4		38.4	57.6

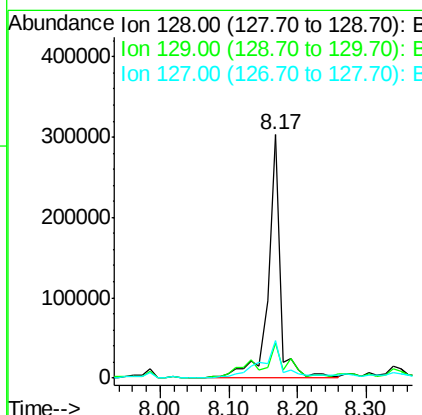
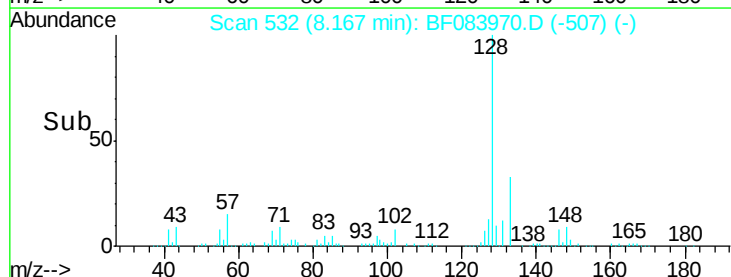
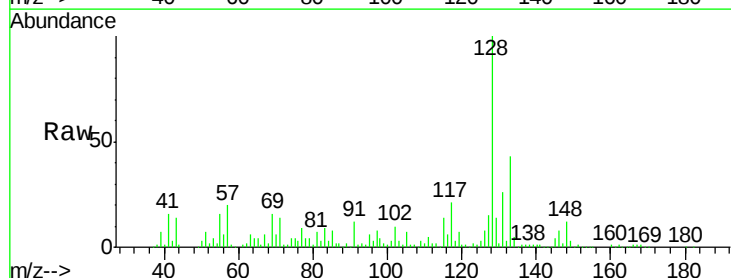
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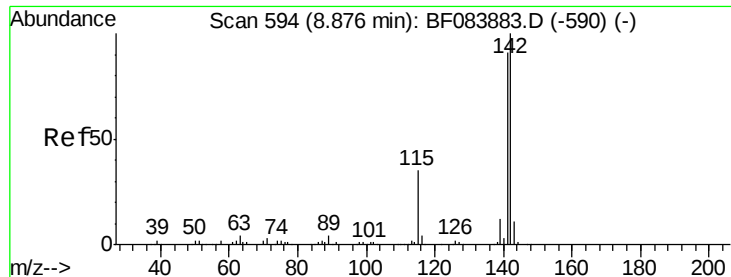
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#31
Naphthalene
Concen: 42.29 ng
RT: 8.17 min Scan# 532
Delta R.T. -0.01 min
Lab File: BF083970.D
Acq: 19 Dec 2015 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	364383		
129	14.4		9.1	13.7#
127	15.2		11.1	16.7





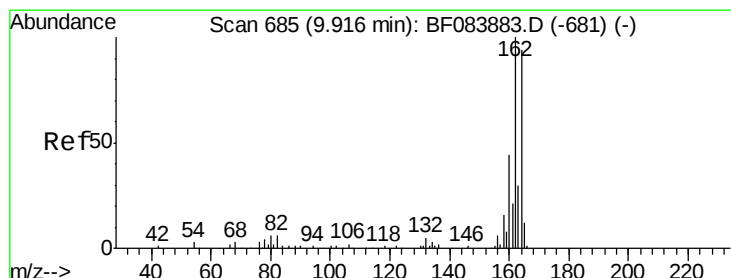
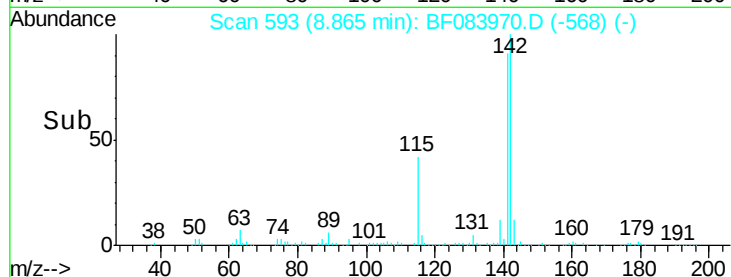
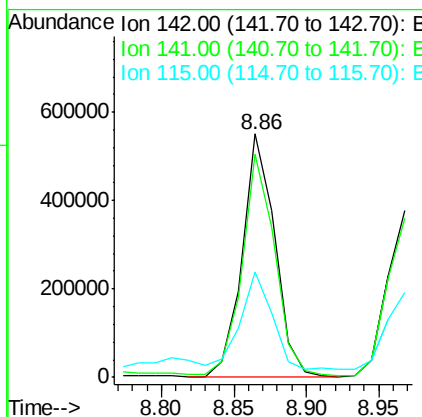
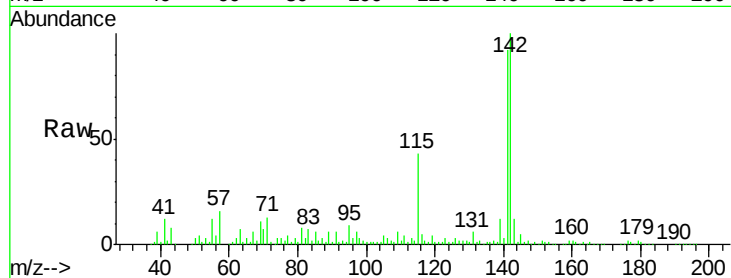
#37
2-Methylnaphthalene
Concen: 143.92 ng
RT: 8.86 min Scan# 593
Delta R.T. -0.01 min
Lab File: BF083970.D
Acq: 19 Dec 2015 22:30

Instrument :
BNA_F
ClientSampleId :
LTCWC-TANK2

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.6	72.4	108.6
115	43.2	27.9	41.9

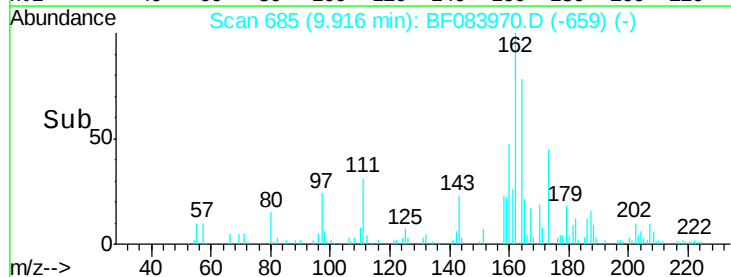
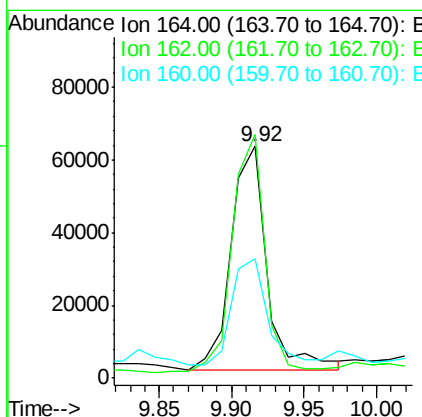
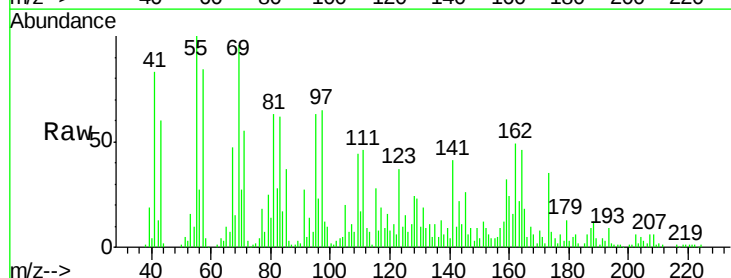
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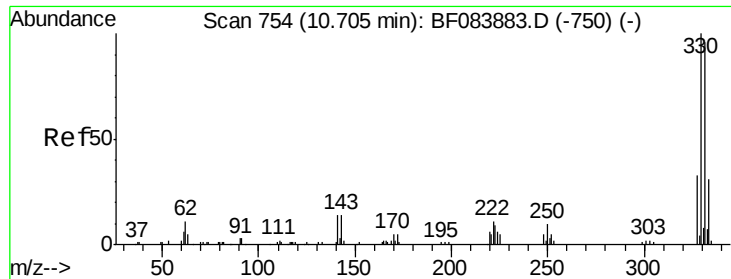
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 685
Delta R.T. -0.00 min
Lab File: BF083970.D
Acq: 19 Dec 2015 22:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.0	85.1	127.7
160	51.7	37.5	56.3





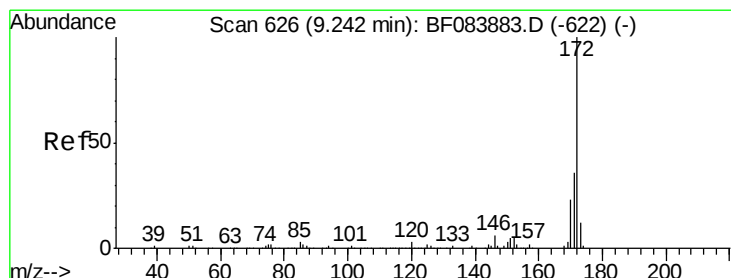
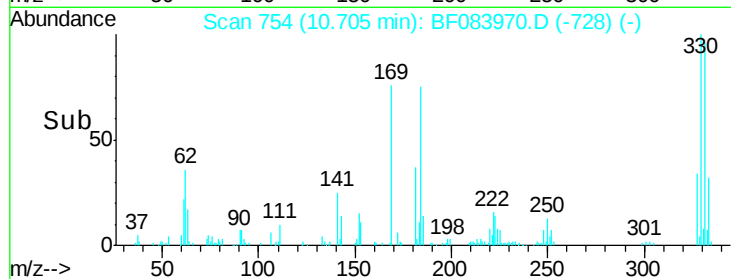
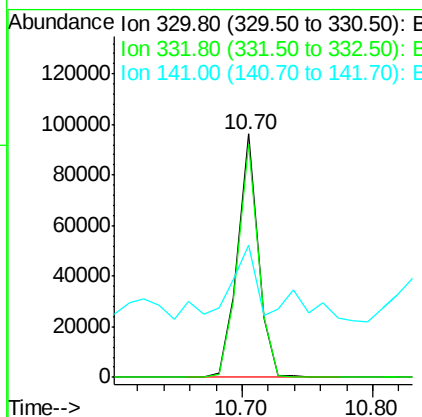
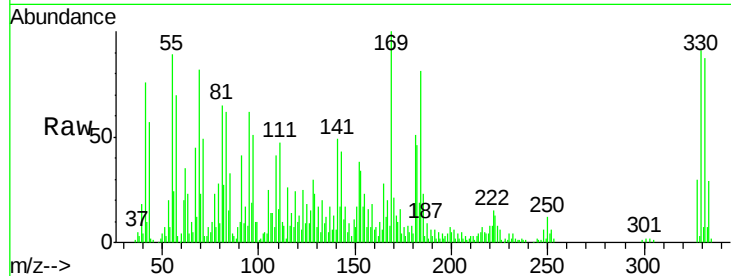
#41
 2,4,6-Tribromophenol
 Concen: 90.99 ng
 RT: 10.70 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: BF083970.D
 Acq: 19 Dec 2015 22:30

Instrument :
 BNA_F
 ClientSampleId :
 LTCWC-TANK2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	105931		
332	96.4	76.6	114.8	
141	41.9	27.8	41.6	

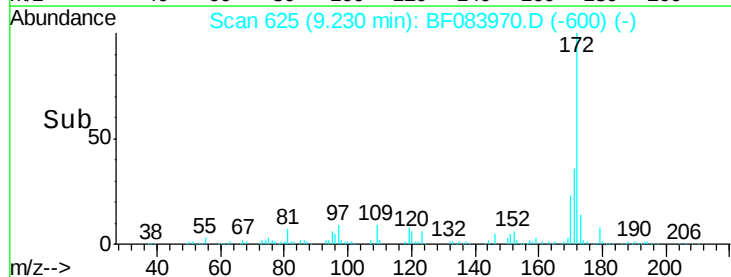
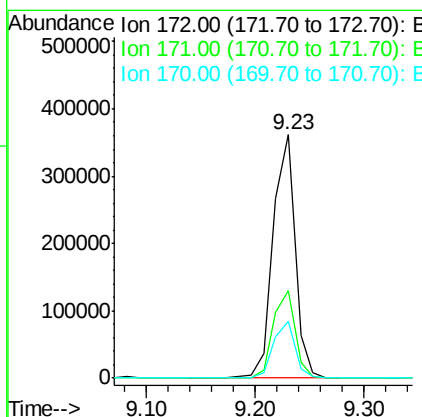
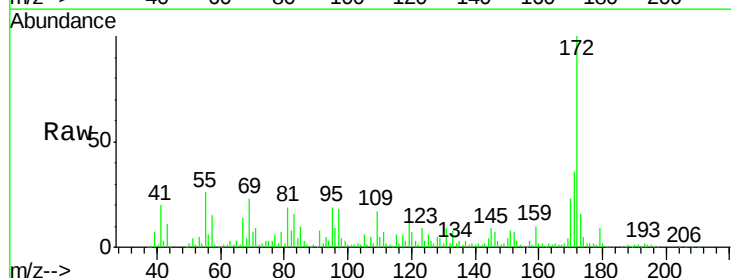
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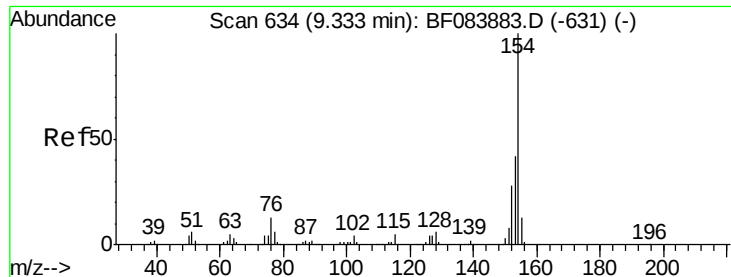
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#44
 2-Fluorobiphenyl
 Concen: 65.48 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: BF083970.D
 Acq: 19 Dec 2015 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	510988		
171	36.2	28.9	43.3	
170	23.5	18.6	27.8	





#45

1,1'-Biphenyl

Concen: 11.91 ng

RT: 9.32 min Scan# 633

Delta R.T. -0.01 min

Lab File: BF083970.D

Acq: 19 Dec 2015 22:30

Instrument :

BNA_F

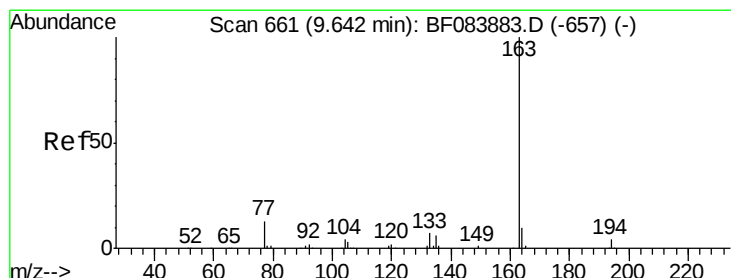
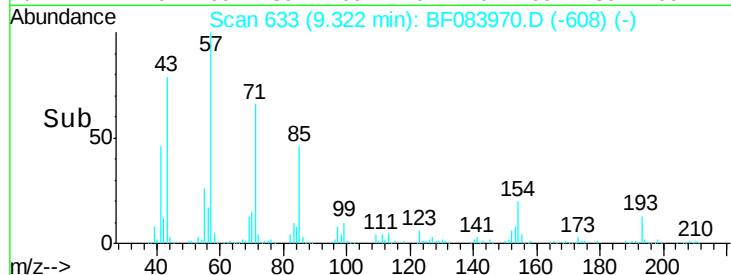
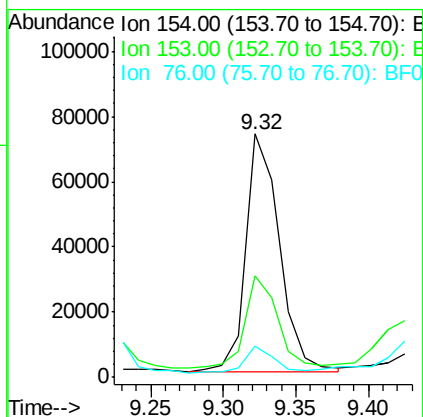
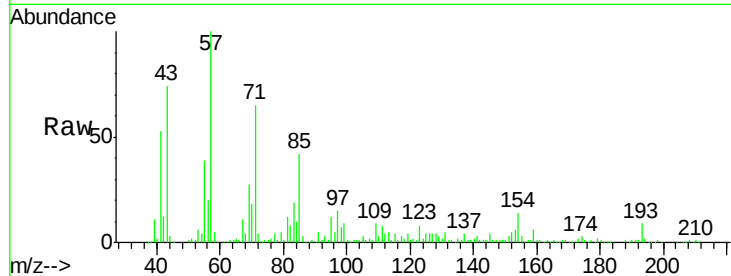
ClientSampleId :

LTCWC-TANK2

Tot Ion:	154	Resp:	116540
Ion Ratio	Lower	Upper	
154	100		
153	41.7	21.6	61.6
76	13.0	0.0	32.7

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#49

Dimethylphthalate

Concen: 13.12 ng

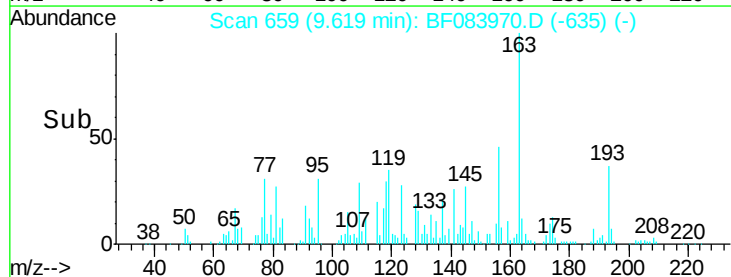
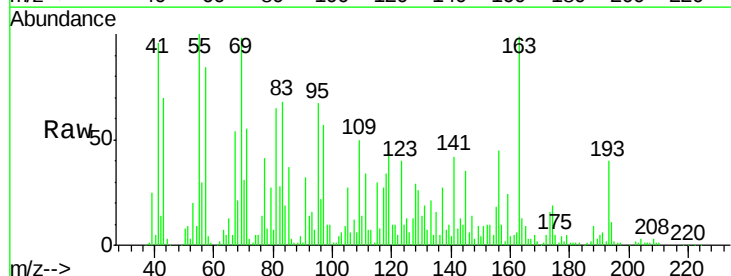
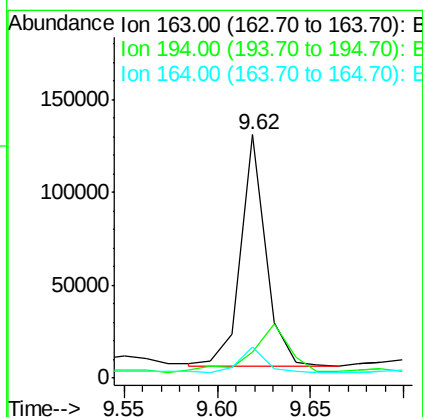
RT: 9.62 min Scan# 659

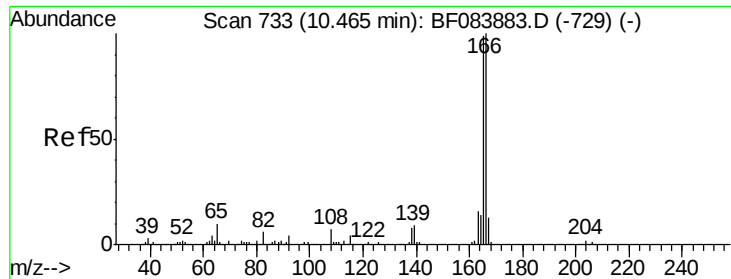
Delta R.T. -0.02 min

Lab File: BF083970.D

Acq: 19 Dec 2015 22:30

Tgt Ion:	163	Resp:	116301
Ion Ratio	Lower	Upper	
163	100		
194	10.9	8.0	12.0
164	12.9	8.0	12.0#





#57

Fluorene

Concen: 12.99 ng

RT: 10.46 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF083970.D

Acq: 19 Dec 2015 22:30

Instrument :

BNA_F

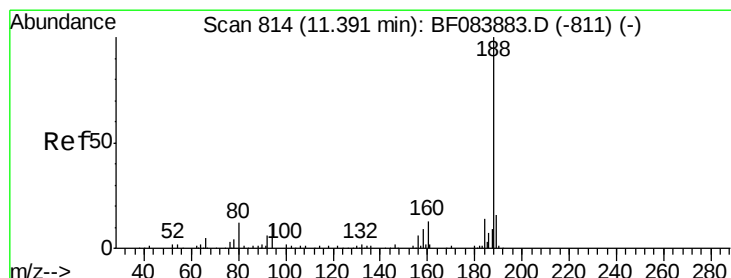
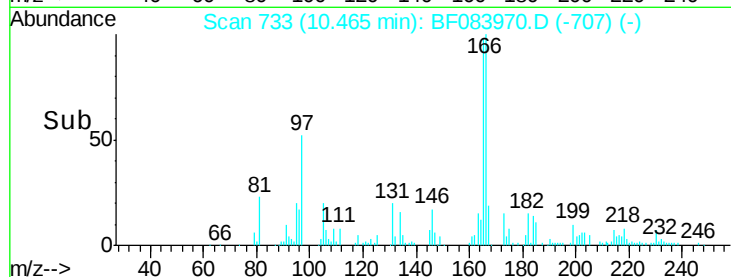
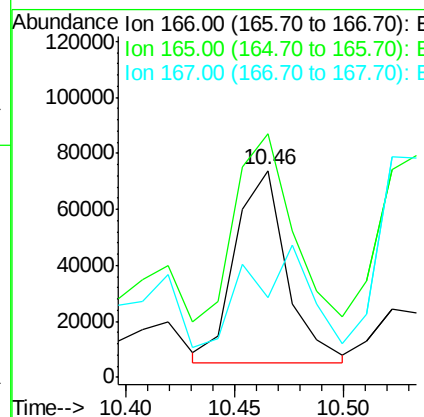
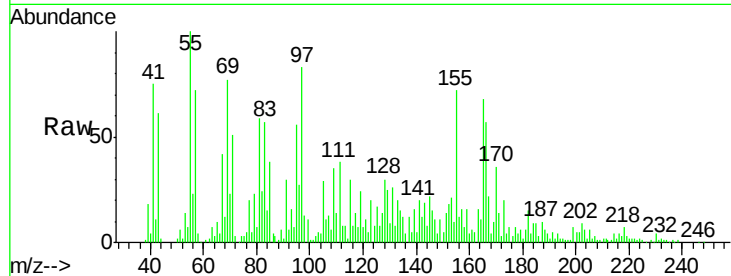
ClientSampleId :

LTCWC-TANK2

Tot Ion:	166	Resp:	113205
Ion Ratio	Lower	Upper	
166	100		
165	117.9	79.1	118.7
167	38.4	10.4	15.6#

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng

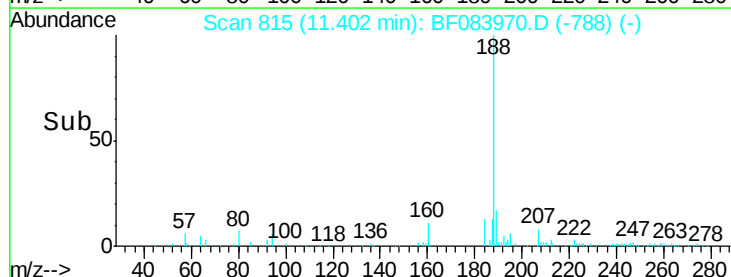
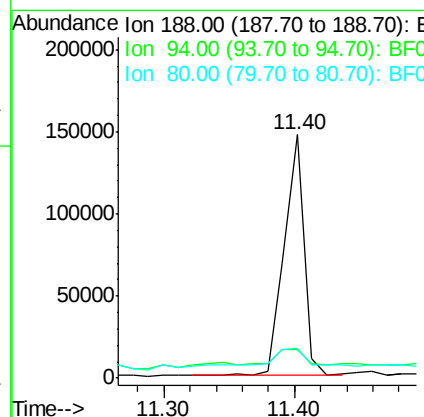
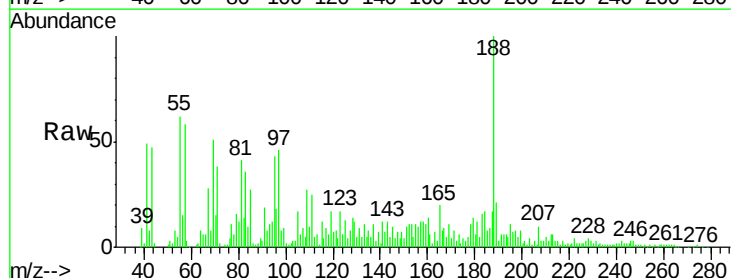
RT: 11.40 min Scan# 815

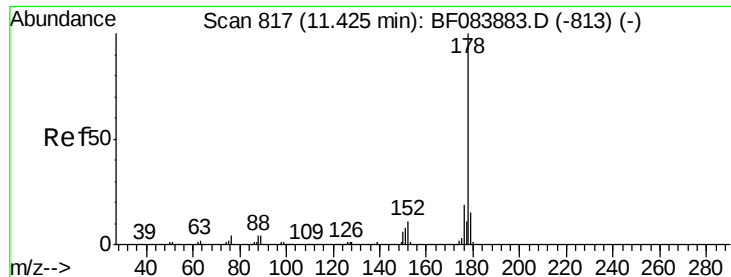
Delta R.T. 0.01 min

Lab File: BF083970.D

Acq: 19 Dec 2015 22:30

Tgt Ion:	188	Resp:	159135
Ion Ratio	Lower	Upper	
188	100		
94	11.7	9.0	13.4
80	12.4	9.6	14.4





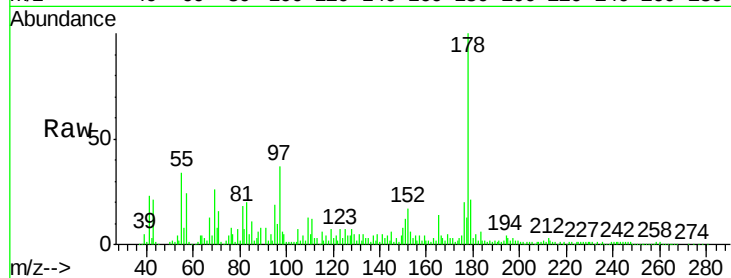
#70
Phenanthrene
Concen: 36.19 ng
RT: 11.42 min Scan# 817
Delta R.T. -0.00 min
Lab File: BF083970.D
Acq: 19 Dec 2015 22:30

Instrument :
BNA_F
ClientSampleId :
LTCWC-TANK2

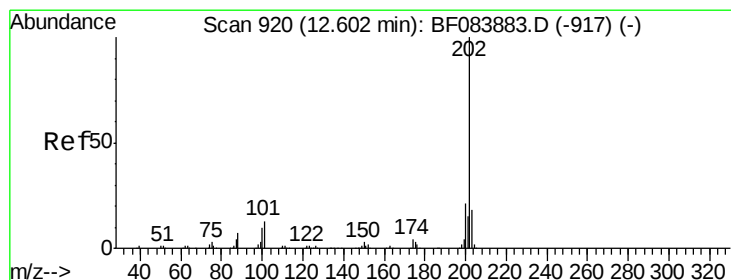
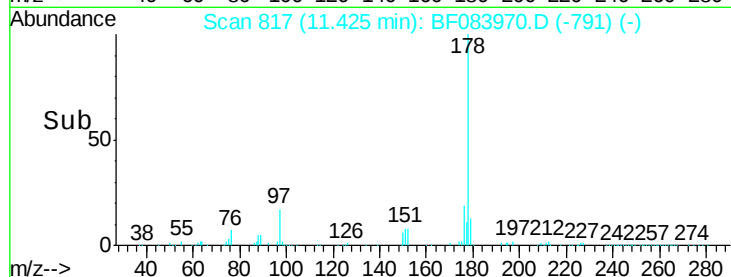
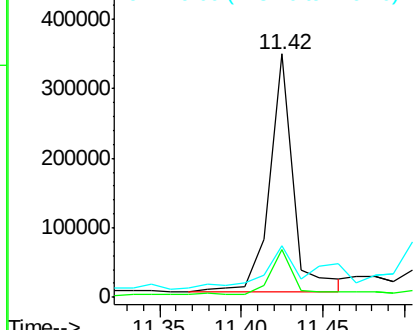
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.3	22.9
179	21.4	12.0	18.0

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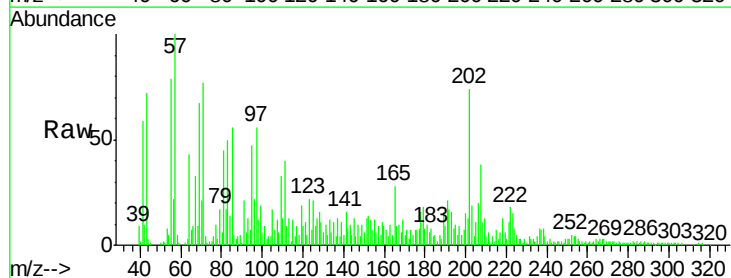


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

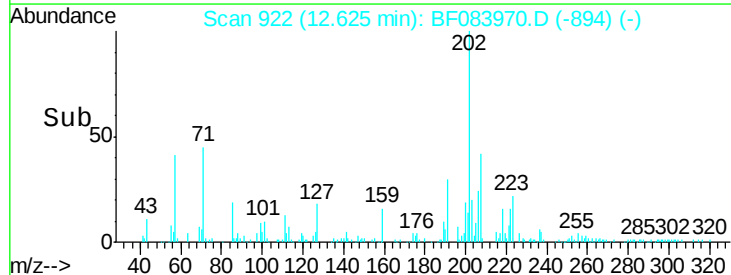
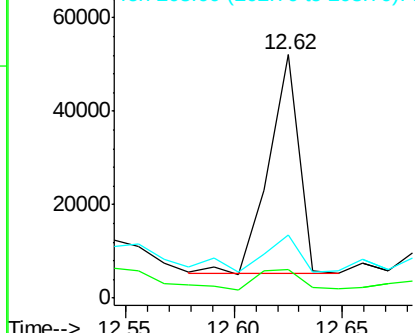


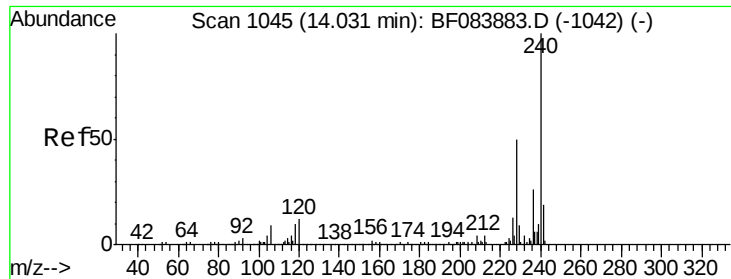
#74
Fluoranthene
Concen: 4.71 ng
RT: 12.62 min Scan# 922
Delta R.T. 0.02 min
Lab File: BF083970.D
Acq: 19 Dec 2015 22:30

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	32.8
203	26.0	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: 14.01 min Scan# 1043

Delta R.T. -0.02 min

Lab File: BF083970.D

Acq: 19 Dec 2015 22:30

Instrument :

BNA_F

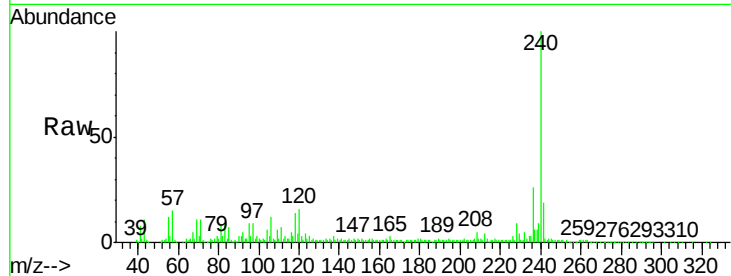
ClientSampleId :

LTCWC-TANK2

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.6	9.5	14.3#
236	26.3	20.6	31.0

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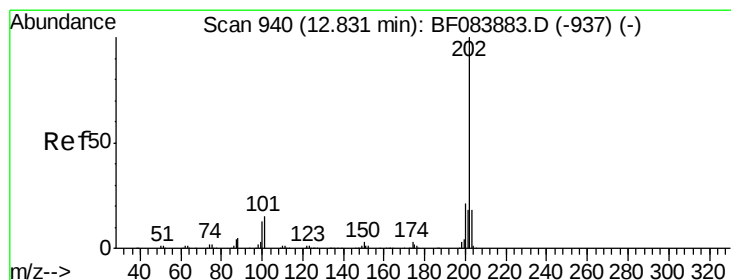
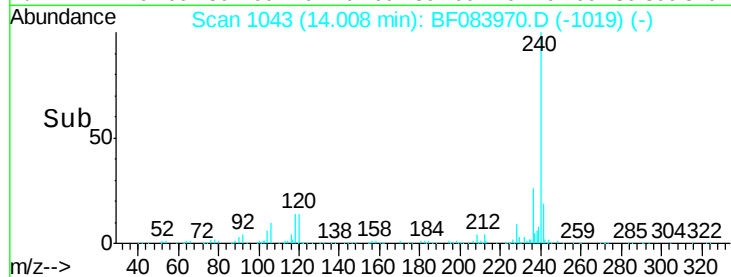
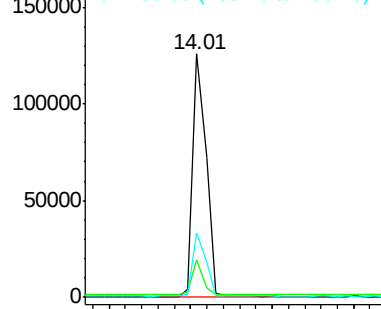
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 6.80 ng m

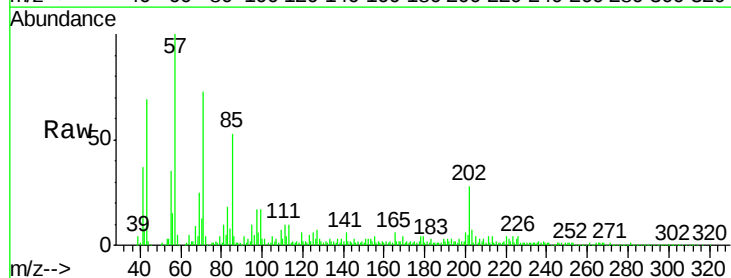
RT: 12.84 min Scan# 941

Delta R.T. 0.01 min

Lab File: BF083970.D

Acq: 19 Dec 2015 22:30

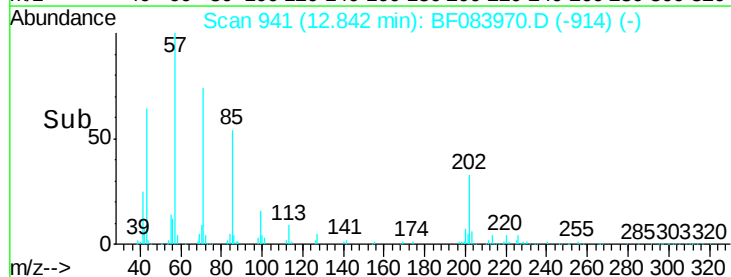
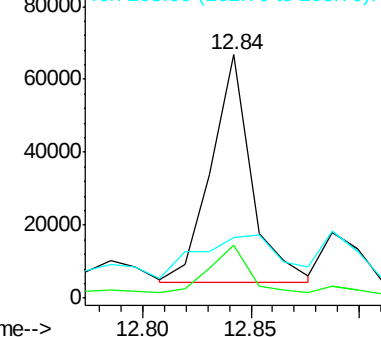
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.2	25.8
203	25.0	14.3	21.5#

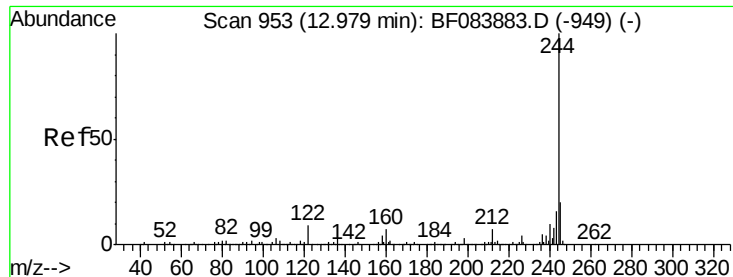


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 54.08 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF083970.D

Acq: 19 Dec 2015 22:30

Instrument :

BNA_F

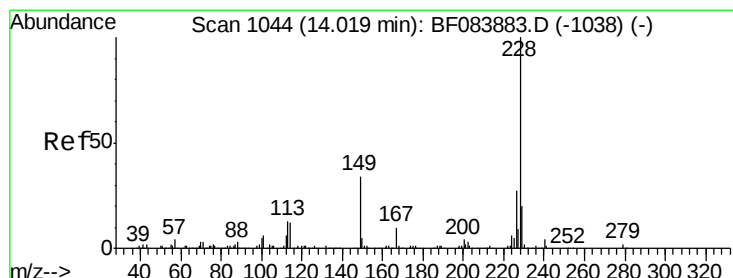
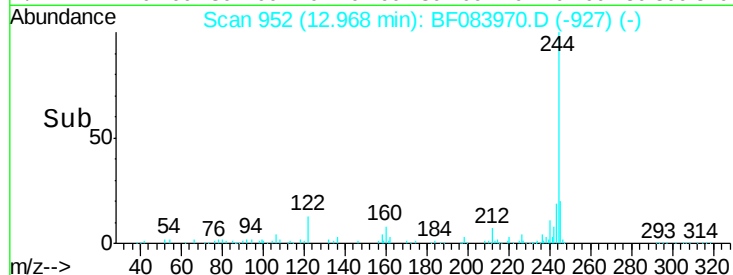
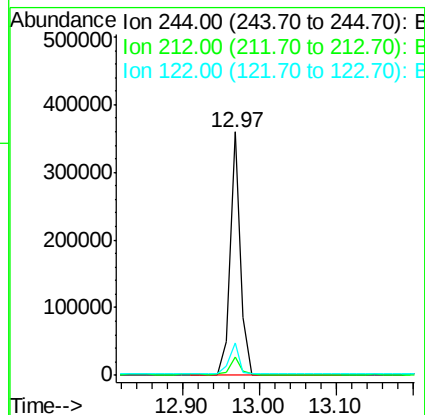
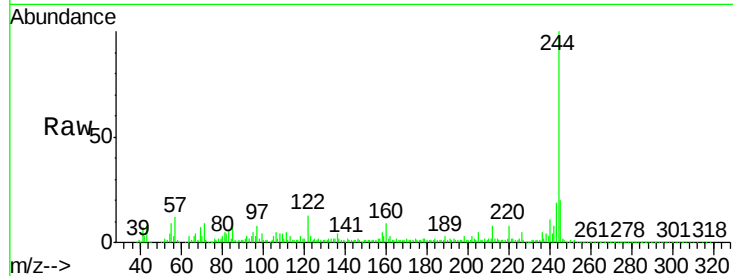
ClientSampleId :

LTCWC-TANK2

Tot Ion	Ratio	Resp	Lower	Upper
244	100	340682		
212	7.7		5.7	8.5
122	13.5		7.4	11.0

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#80

Benzo(a)anthracene

Concen: 2.39 ng

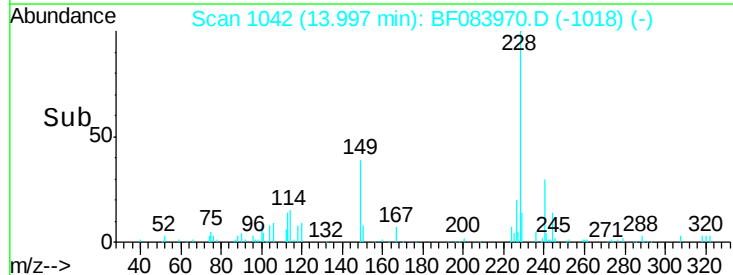
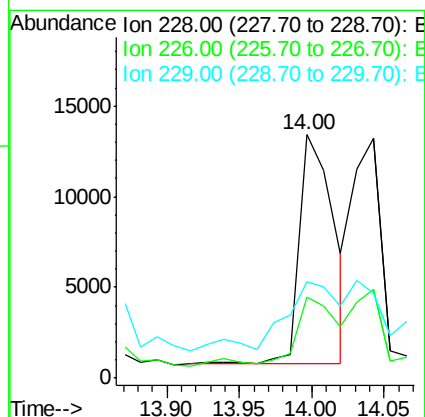
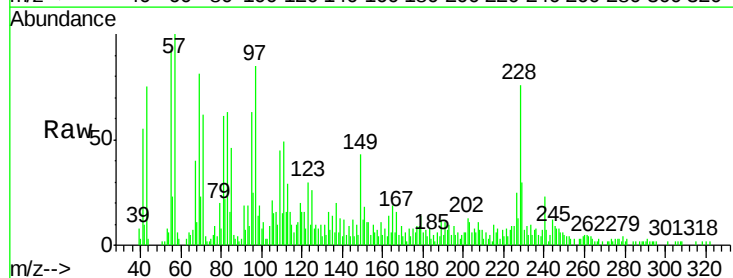
RT: 14.00 min Scan# 1042

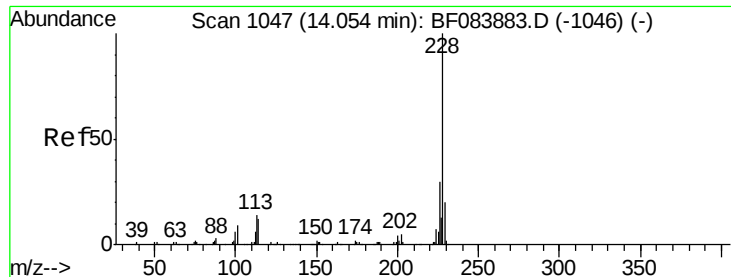
Delta R.T. -0.02 min

Lab File: BF083970.D

Acq: 19 Dec 2015 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	20796		
226	33.1		21.8	32.6
229	39.4		15.8	23.8





#82

Chrysene

Concen: 2.04 ng/mL

RT: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF083970.D

Acq: 19 Dec 2015 22:30

Instrument :

BNA_F

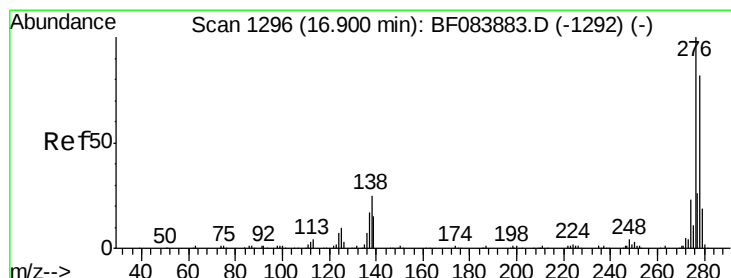
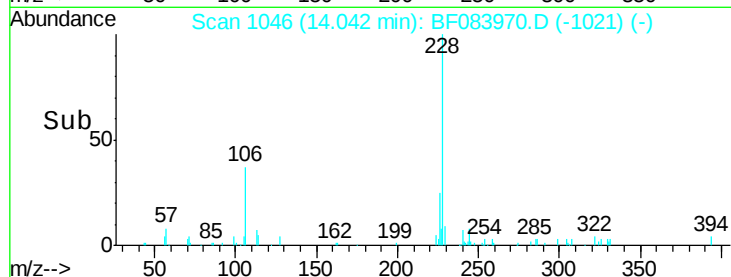
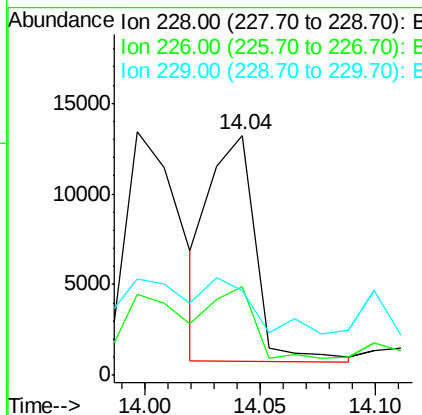
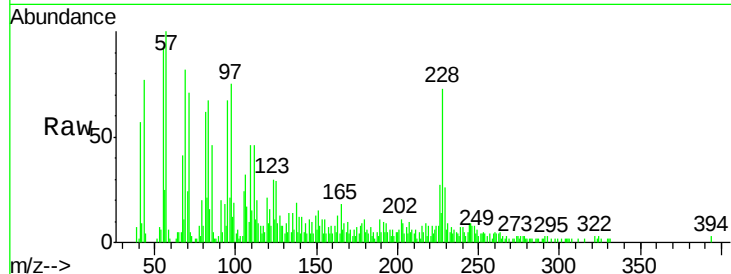
ClientSampleId :

LTCWC-TANK2

Tot Ion:	228	Resp:	17151
Ion Ratio	Lower	Upper	
228	100		
226	37.0	24.3	36.5#
229	35.4	16.1	24.1#

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.03 ng/mL

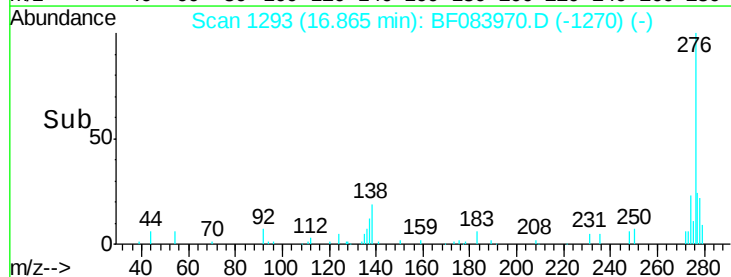
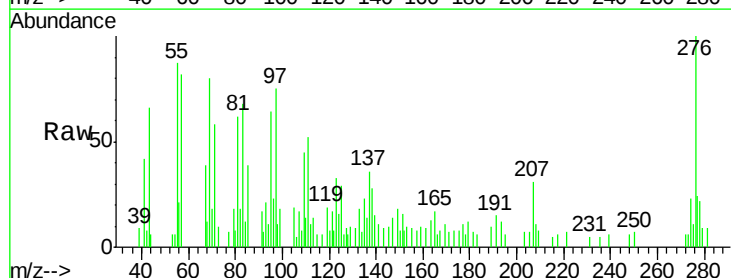
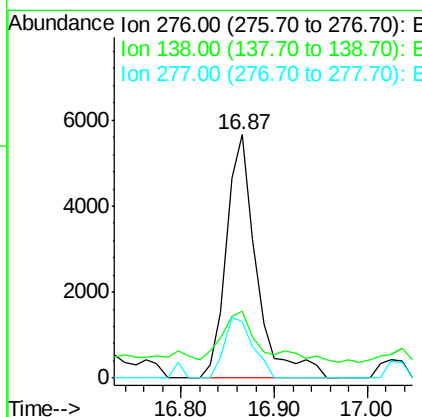
RT: 16.87 min Scan# 1293

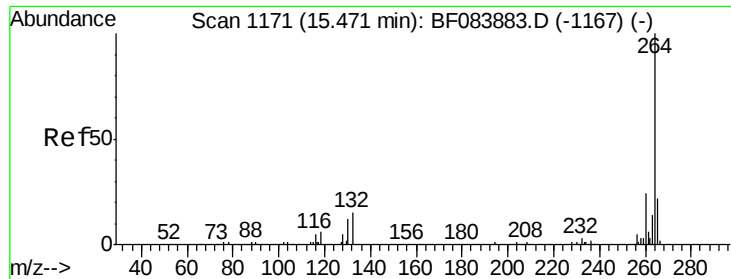
Delta R.T. -0.03 min

Lab File: BF083970.D

Acq: 19 Dec 2015 22:30

Tgt Ion:	276	Resp:	12738
Ion Ratio	Lower	Upper	
276	100		
138	19.6	20.6	30.8#
277	23.6	20.1	30.1





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.44 min Scan# 1168

Delta R.T. -0.03 min

Lab File: BF083970.D

Acq: 19 Dec 2015 22:30

Instrument :

BNA_F

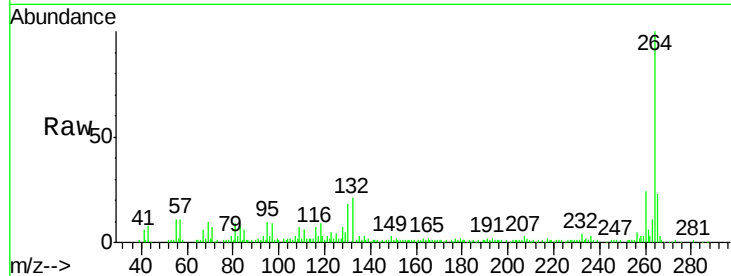
ClientSampleId :

LTCWC-TANK2

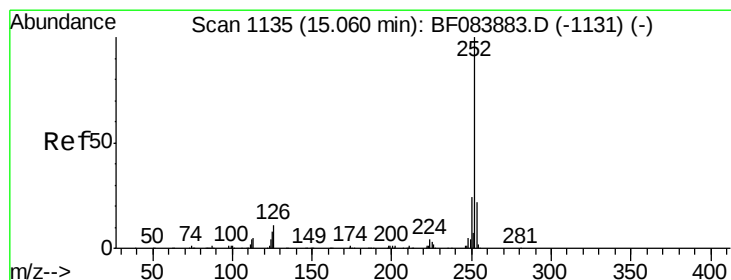
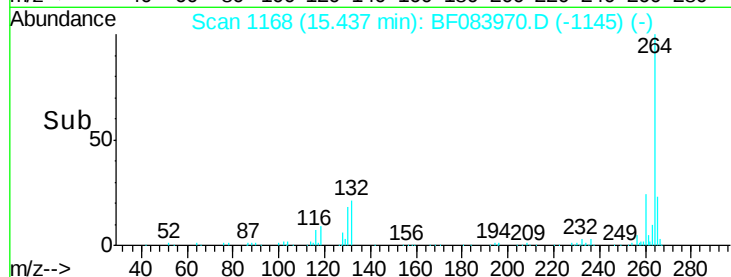
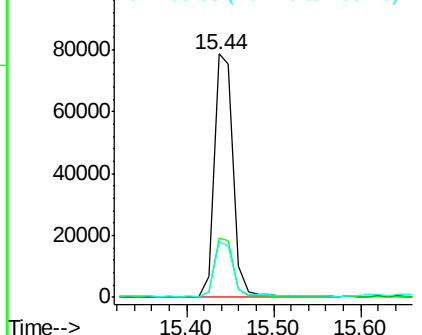
Tot Ion:	264	Resp:	121745
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.4	29.2
265	23.0	17.8	26.6

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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: 2.89 ng m

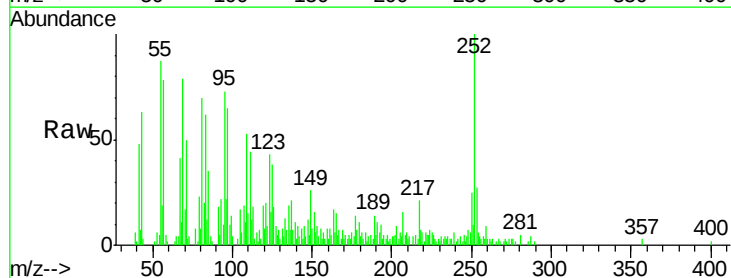
RT: 15.04 min Scan# 1133

Delta R.T. -0.02 min

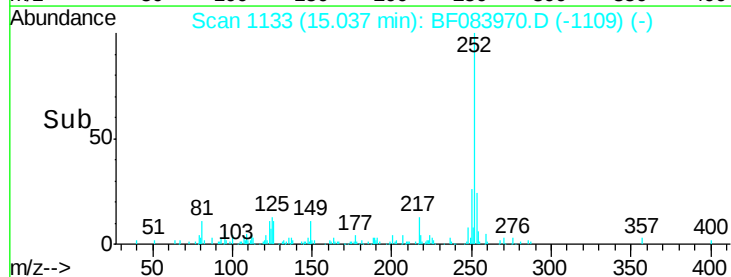
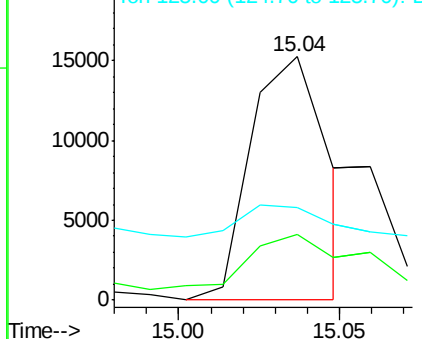
Lab File: BF083970.D

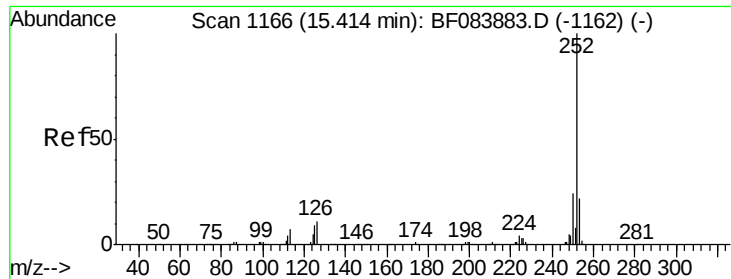
Acq: 19 Dec 2015 22:30

Tgt Ion:	252	Resp:	25638
Ion Ratio	Lower	Upper	
252	100		
253	27.1	17.3	25.9#
125	37.9	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





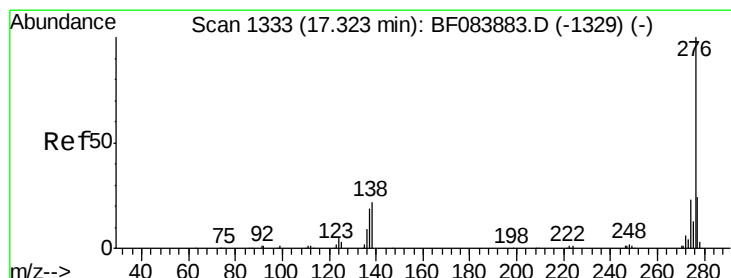
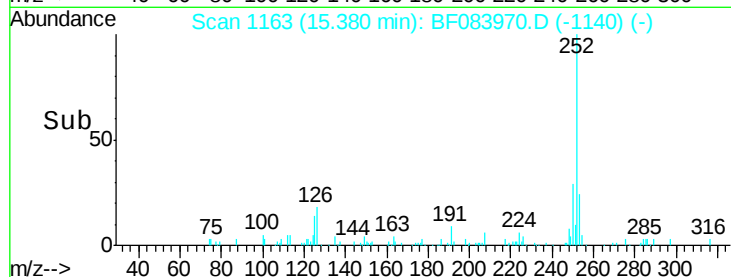
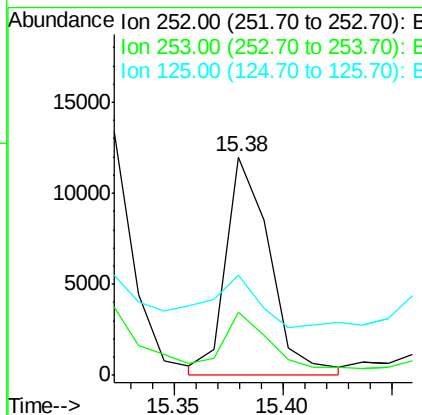
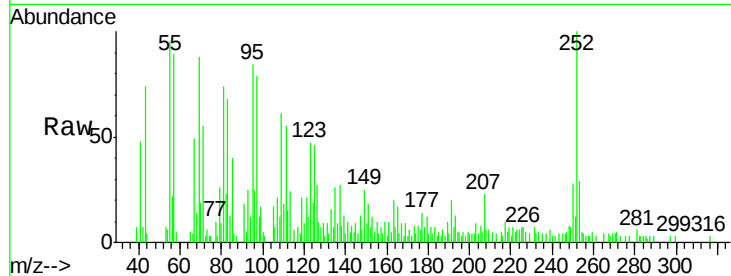
#89
Benzo(a)pyrene
Concen: 2.31 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.03 min
Lab File: BF083970.D
Acq: 19 Dec 2015 22:30

Instrument :
BNA_F
ClientSampleId :
LTCWC-TANK2

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.7	17.3	25.9#
125	46.0	7.0	10.4#

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#91
Benzo(g,h,i)perylene
Concen: 2.31 ng
RT: 17.29 min Scan# 1330
Delta R.T. -0.03 min
Lab File: BF083970.D
Acq: 19 Dec 2015 22:30

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.8	28.2
138	28.6	17.8	26.6#

