

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
 Data File : BF083662.D
 Acq On : 10 Dec 2015 3:15
 Operator : UM/IZ
 Sample : G4583-01DL 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-01(0-4)DL

Manual Integrations
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 12/10/2015 5:50:26 PM

Quant Time: Dec 10 06:10:19 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 09 00:23:35 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.68	152	138637	20.00	ng	-0.02
21) Naphthalene-d8	7.57	136	525698	20.00	ng	-0.03
38) Acenaphthene-d10	10.36	164	237789	20.00	ng	-0.02
63) Phenanthrene-d10	12.76	188	374714	20.00	ng	-0.02
75) Chrysene-d12	16.98	240	303597	20.00	ng	-0.01
86) Perylene-d12	18.63	264	256757	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.96	112	737603	80.70	ng	-0.01
7) Phenol-d6	5.25	99	1040960	85.23	ng	-0.02
23) Nitrobenzene-d5	6.51	82	636905	56.53	ng	-0.02
41) 2,4,6-Tribromophenol	11.65	330	136340	64.36	ng	-0.03
44) 2-Fluorobiphenyl	9.32	172	1015331	60.10	ng	-0.02
78) Terphenyl-d14	15.39	244	694428	53.82	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	7.62	128	84089	3.02	ng	97
48) Acenaphthylene	10.13	152	224826	8.74	ng	98
49) Dimethylphthalate	10.01	163	85387	4.51	ng	98
51) Acenaphthene	10.42	154	36376	2.47	ng	98
57) Fluorene	11.27	166	38636	2.17	ng	98
70) Phenanthrene	12.80	178	544662	25.30	ng	99
71) Anthracene	12.90	178	130720	5.86	ng	99
74) Fluoranthene	14.73	202	747628	33.95	ng	99
77) Pyrene	15.08	202	1107524	50.67	ng	99
80) Benzo(a)anthracene	16.97	228	405983m	22.85	ng	
82) Chrysene	17.01	228	436680m	24.51	ng	
85) Indeno(1,2,3-cd)pyrene	19.86	276	305657	25.42	ng	# 100
87) Benzo(b)fluoranthene	18.25	252	523883m	35.83	ng	
88) Benzo(k)fluoranthene	18.27	252	197023m	12.23	ng	
89) Benzo(a)pyrene	18.57	252	511181	35.83	ng	97
90) Dibenzo(a,h)anthracene	19.87	278	87393m	8.01	ng	
91) Benzo(a,h,i)perylene	20.21	276	363320	34.16	ng	96

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

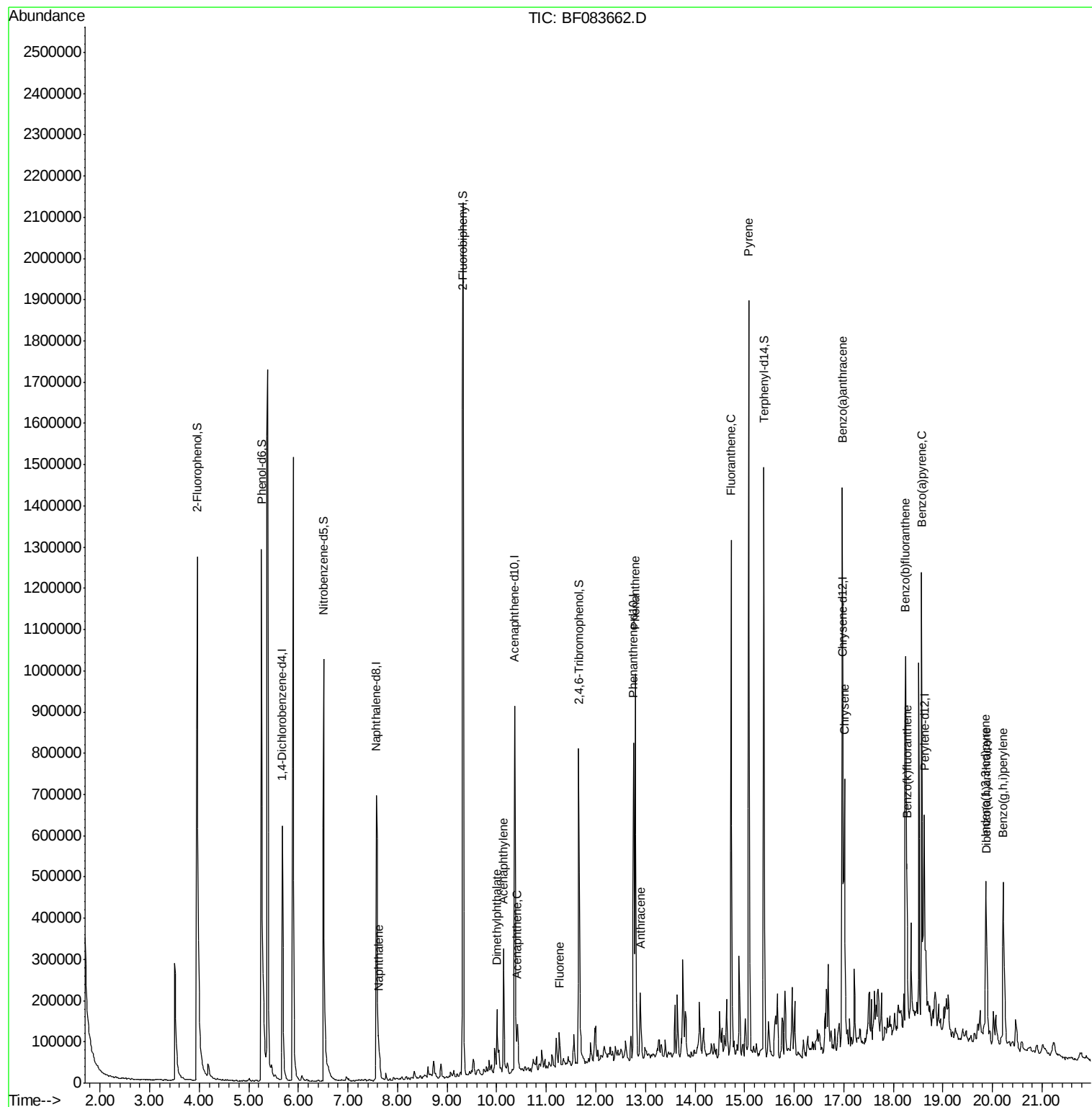
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083662.D
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ALS Vial : 26 Sample Multiplier: 1

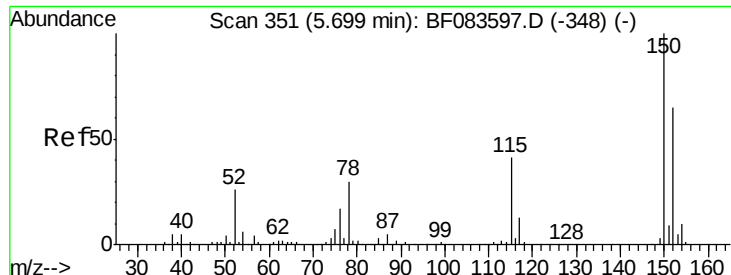
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)DL

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Quant Time: Dec 10 06:10:19 2015
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

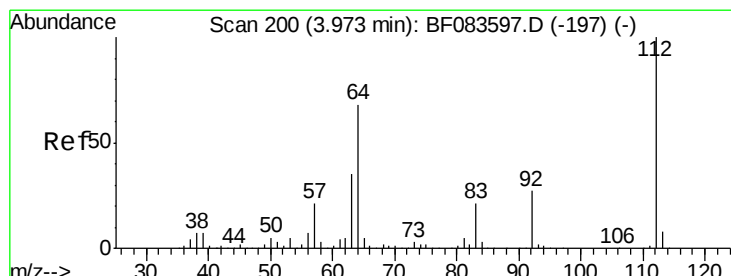
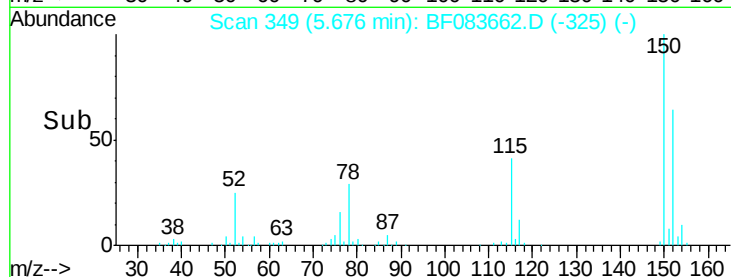
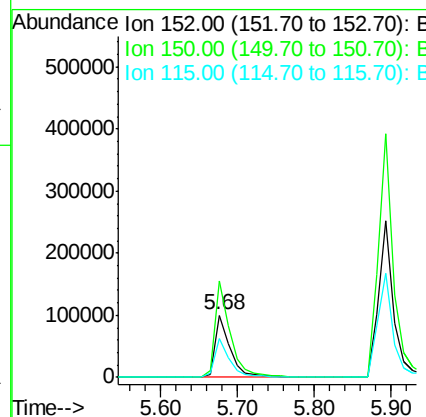
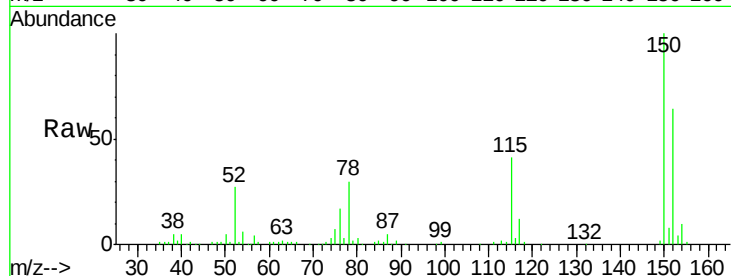
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.68 min Scan# 349
Delta R.T. -0.02 min
Lab File: BF083662.D
Acq: 10 Dec 2015 3:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	126.5	189.7
115	63.2	52.3	78.5

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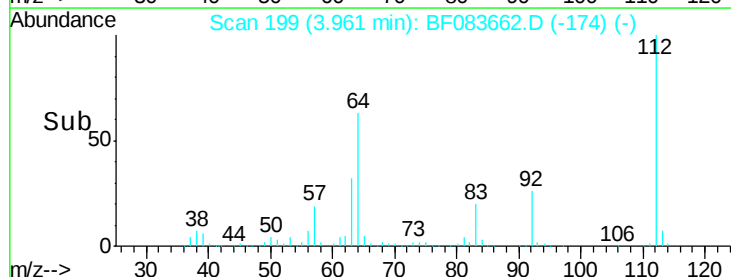
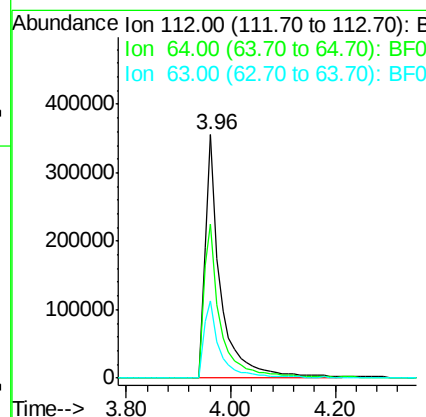
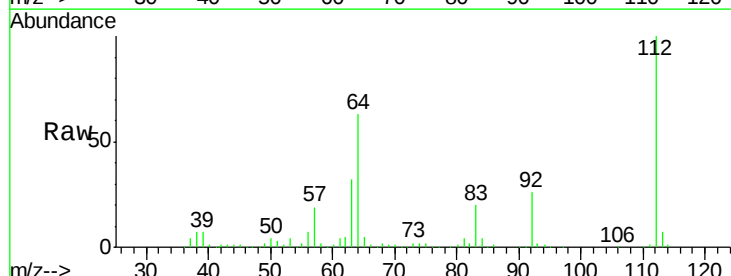
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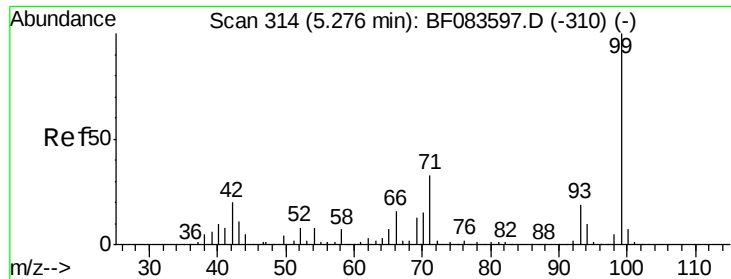


#5

2-Fluorophenol
Concen: 80.70 ng
RT: 3.96 min Scan# 199
Delta R.T. -0.01 min
Lab File: BF083662.D
Acq: 10 Dec 2015 3:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.2	50.5	75.7
63	31.6	25.8	38.6





#7

Phenol-d6

Concen: 85.23 ng

RT: 5.25 min Scan# 312

Delta R.T. -0.02 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-01(0-4)DL

Tot Ion: 99 Resp: 1040960

Ion Ratio Lower Upper

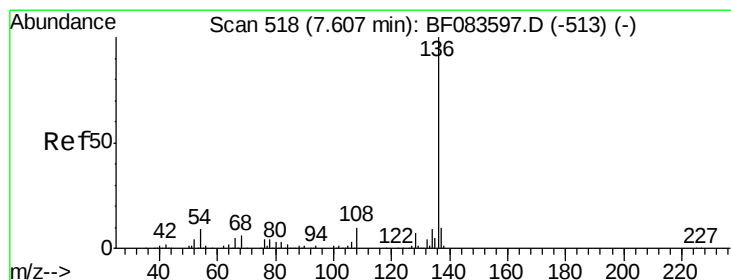
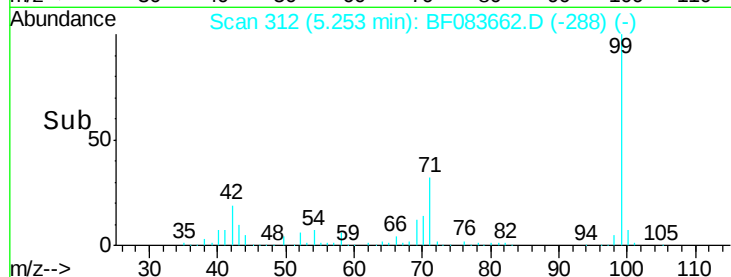
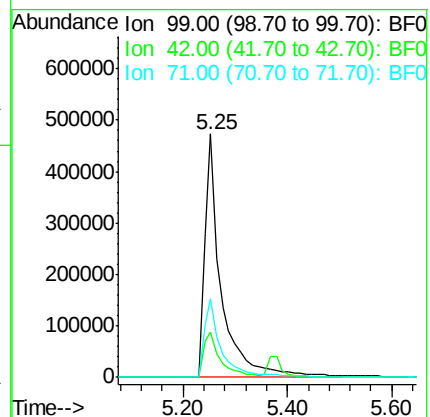
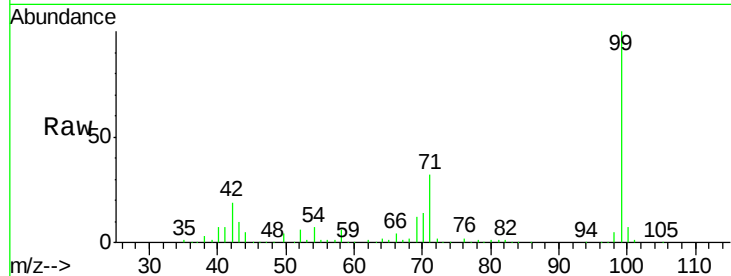
99 100

42 18.6 17.3 25.9

71 32.0 26.6 40.0

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.57 min Scan# 515

Delta R.T. -0.03 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

Tgt Ion: 136 Resp: 525698

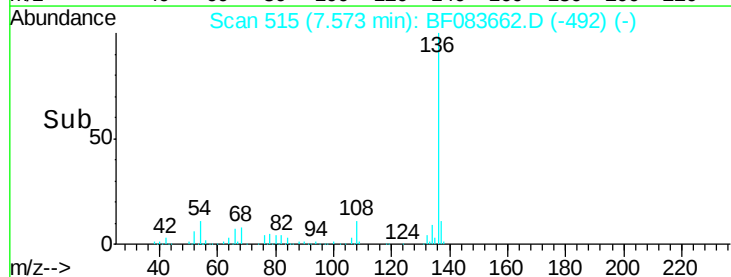
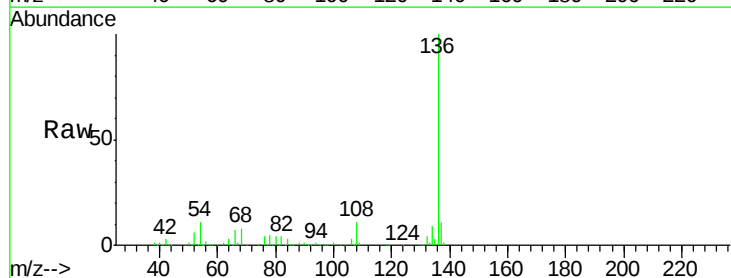
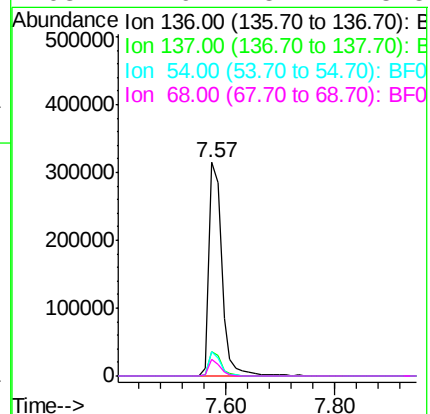
Ion Ratio Lower Upper

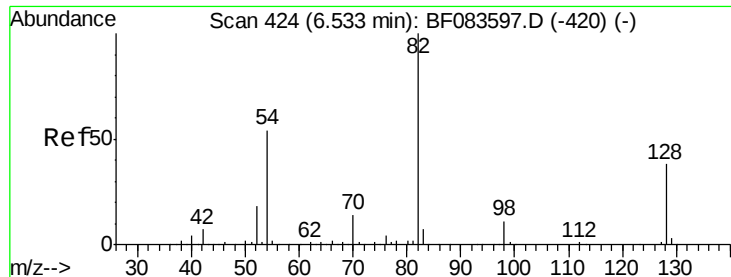
136 100

137 11.4 8.7 13.1

54 11.5 7.8 11.6

68 7.9 5.7 8.5





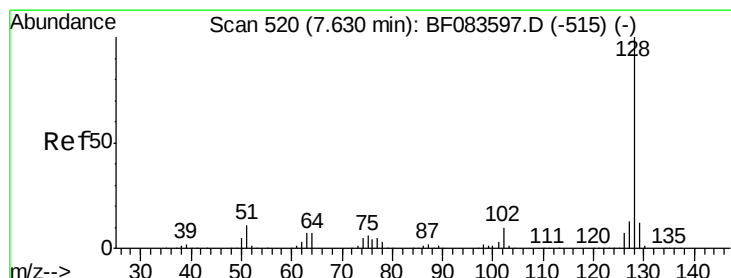
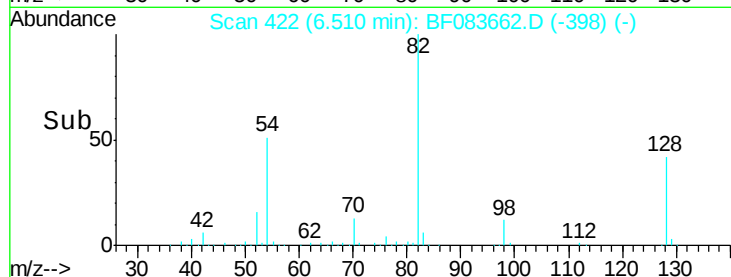
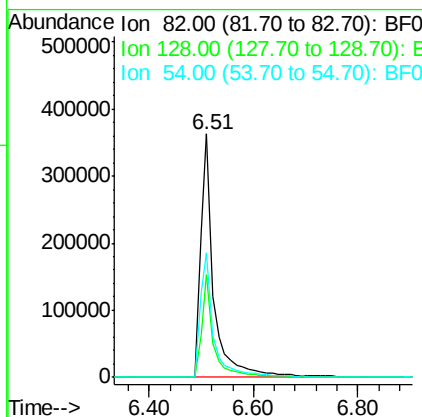
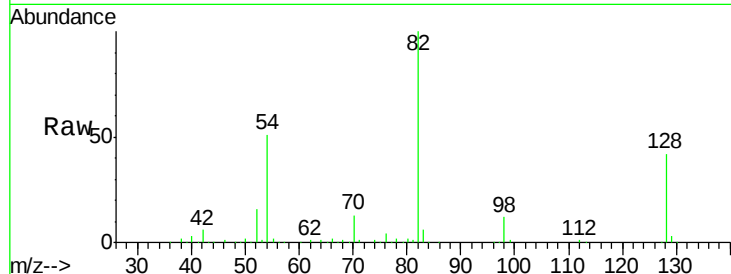
#23
Nitrobenzene-d5
Concen: 56.53 ng
RT: 6.51 min Scan# 422
Delta R.T. -0.02 min
Lab File: BF083662.D
Acq: 10 Dec 2015 3:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100	636905		
128	42.0		30.7	46.1
54	50.9		42.5	63.7

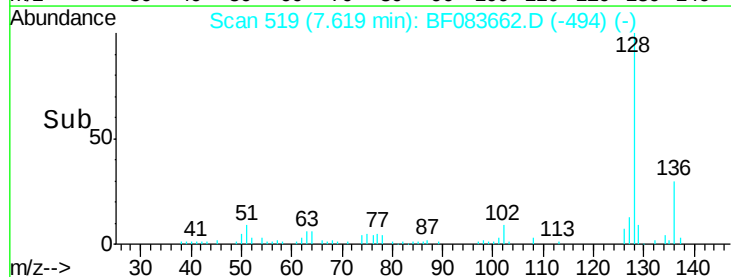
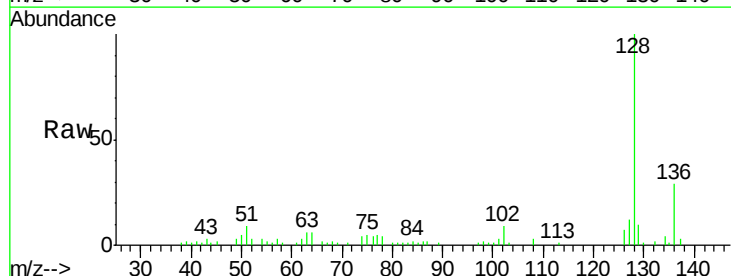
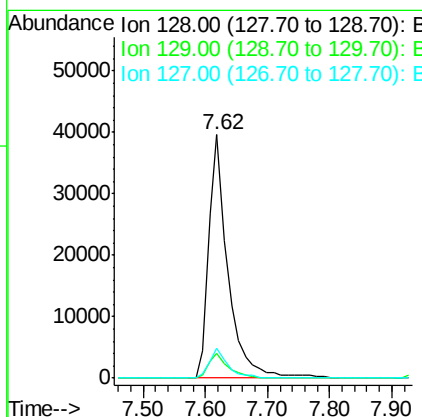
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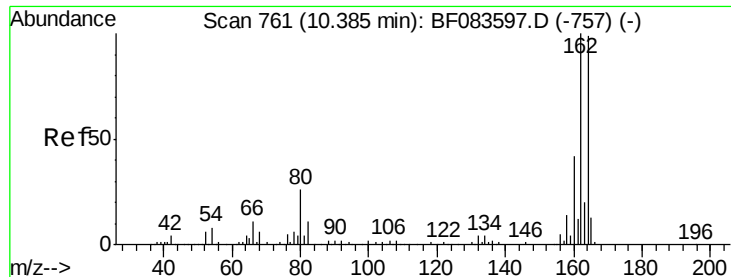
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#31
Naphthalene
Concen: 3.02 ng
RT: 7.62 min Scan# 519
Delta R.T. -0.01 min
Lab File: BF083662.D
Acq: 10 Dec 2015 3:15

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	84089		
129	9.9		8.6	13.0
127	12.2		10.6	16.0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.36 min Scan# 759

Delta R.T. -0.02 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-01(0-4)DL

Tot Ion:164 Resp: 237789

Ion Ratio Lower Upper

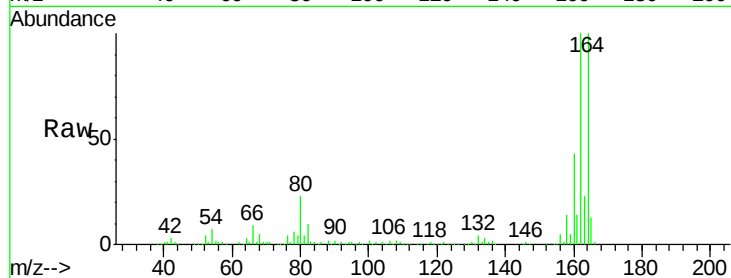
164 100

162 100.1 78.8 118.2

160 43.1 33.4 50.2

Manual Integrations
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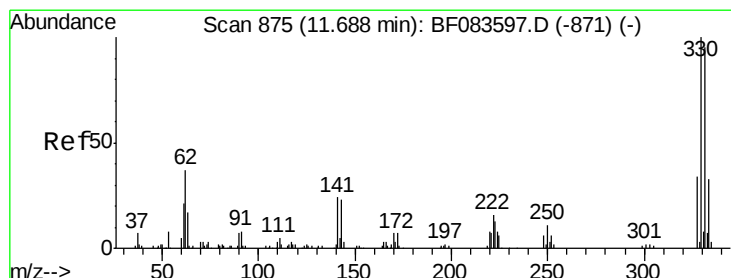
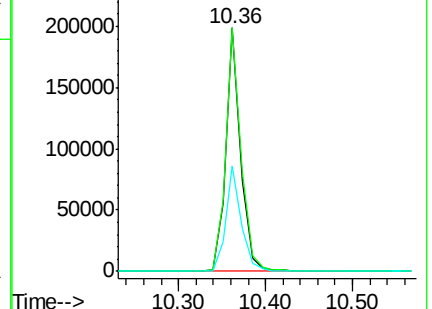
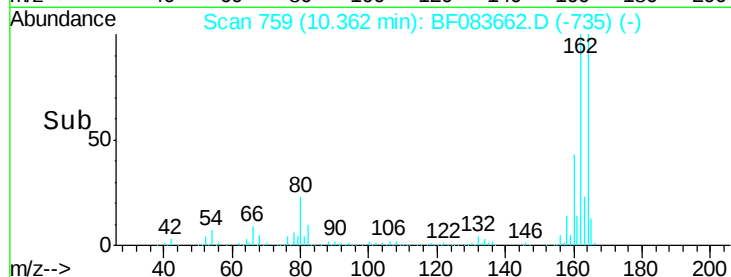
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 64.36 ng

RT: 11.65 min Scan# 872

Delta R.T. -0.03 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

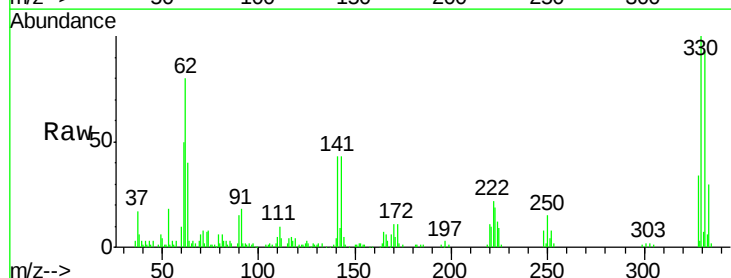
Tgt Ion:330 Resp: 136340

Ion Ratio Lower Upper

330 100

332 94.8 0.0 0.0#

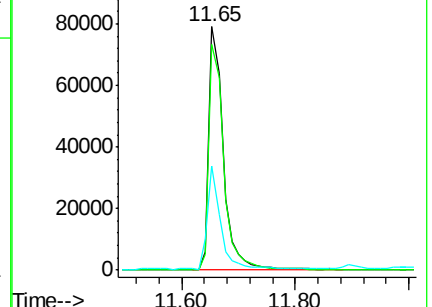
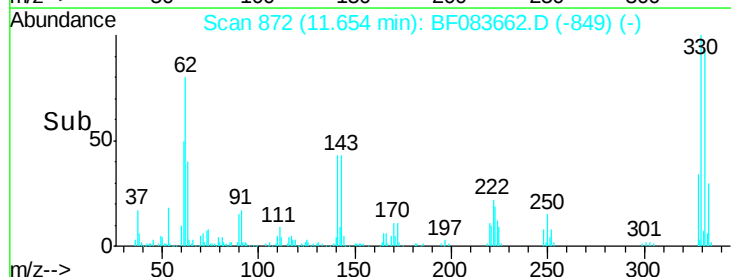
141 41.7 0.0 0.0#

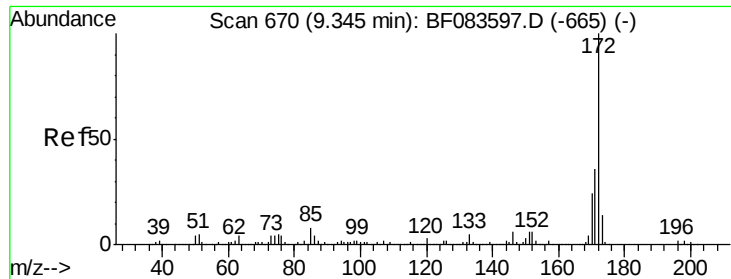


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 60.10 ng

RT: 9.32 min Scan# 668

Delta R.T. -0.02 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

Instrument :

BNA_F

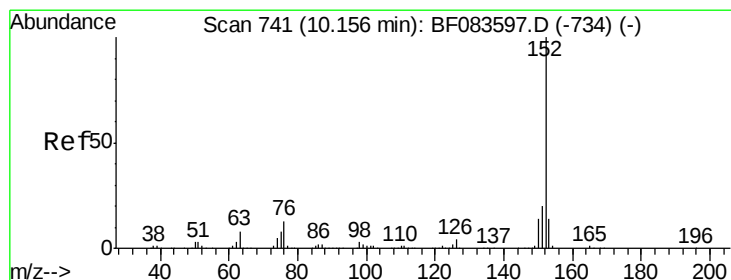
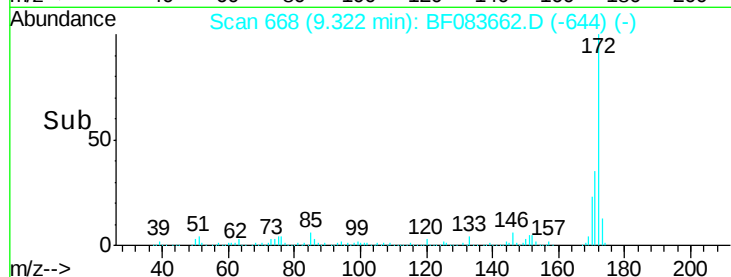
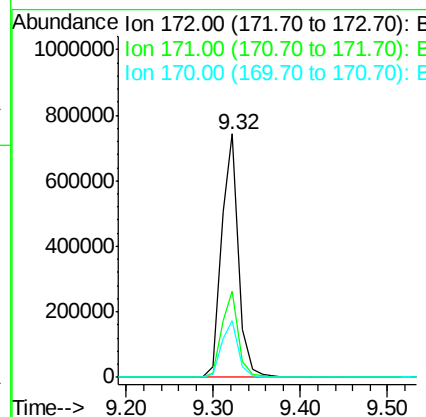
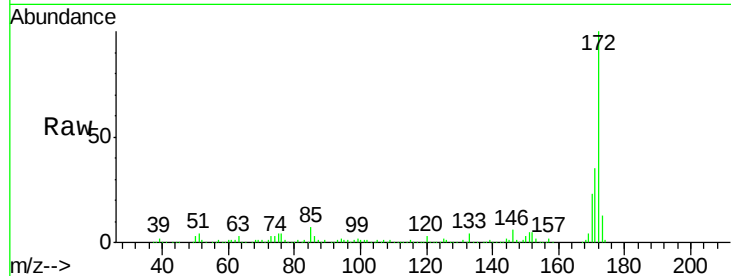
ClientSampleId :

SB-P3WC-01(0-4)DL

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Tot Ion:172	Resp: 1015331
Ion Ratio	Lower Upper
172 100	
171 35.3	28.6 42.8
170 23.1	19.4 29.0



#48

Acenaphthylene

Concen: 8.74 ng

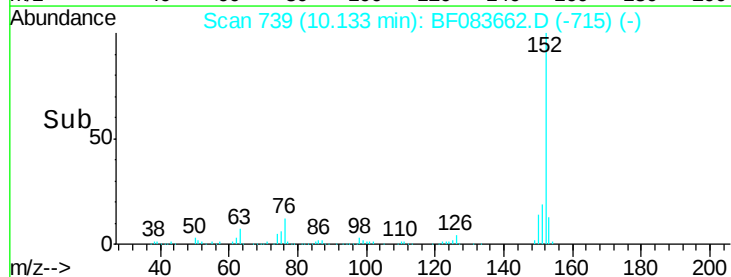
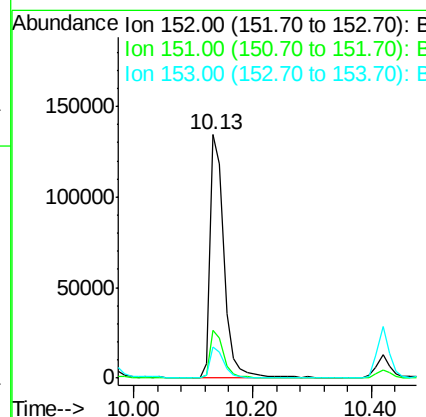
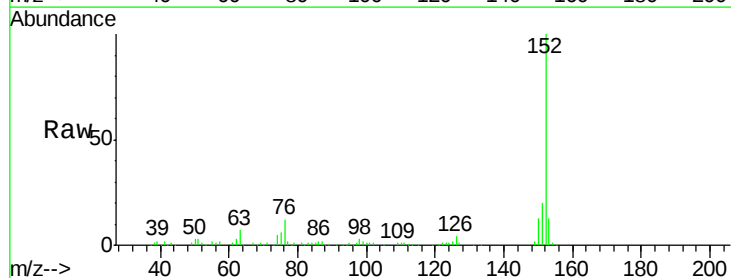
RT: 10.13 min Scan# 739

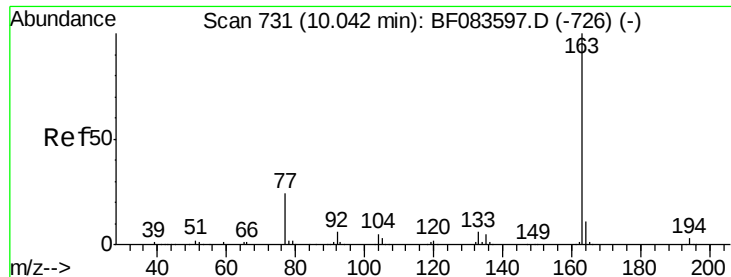
Delta R.T. -0.02 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

Tgt Ion	152	Resp: Lower	224826 Upper
	Ratio		
152	100		
151	19.6	16.3	24.5
153	13.0	10.8	16.2





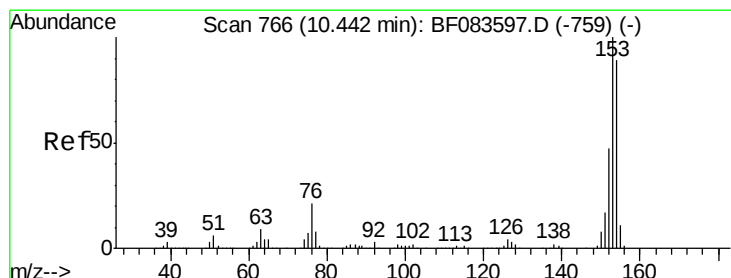
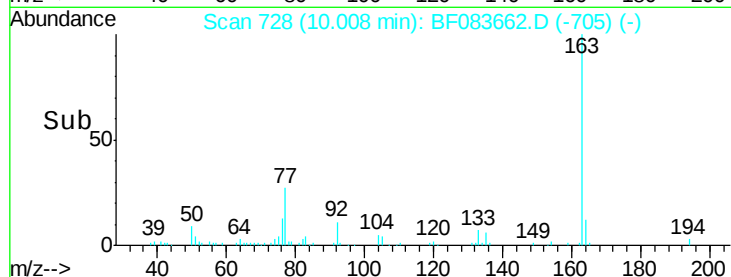
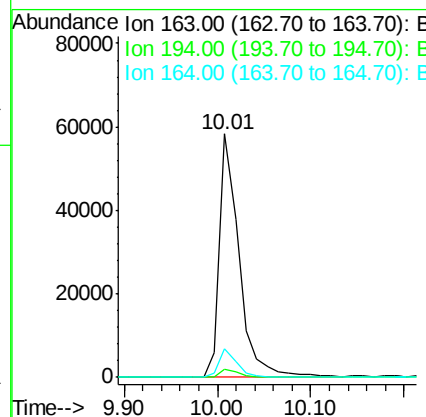
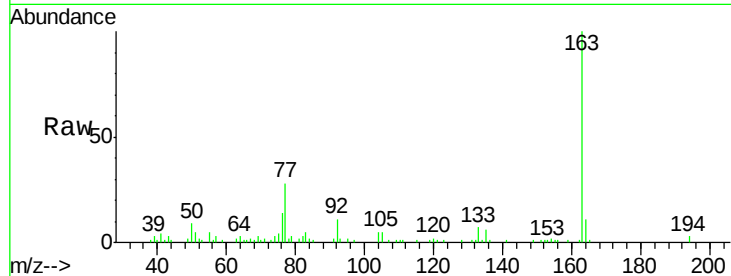
#49
Dimethylphthalate
Concen: 4.51 ng
RT: 10.01 min Scan# 728
Delta R.T. -0.03 min
Lab File: BF083662.D
Acq: 10 Dec 2015 3:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)DL

Tot Ion	Ratio	Resp	Lower	Upper
163	100	85387		
194	3.2		2.8	4.2
164	11.5		8.6	13.0

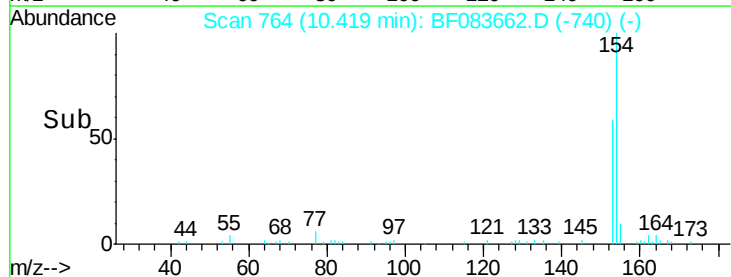
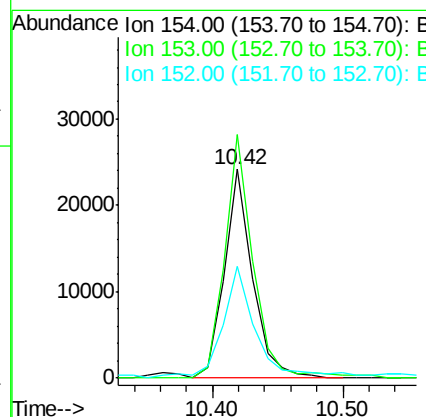
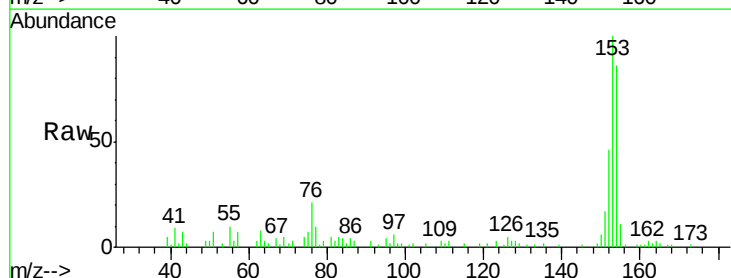
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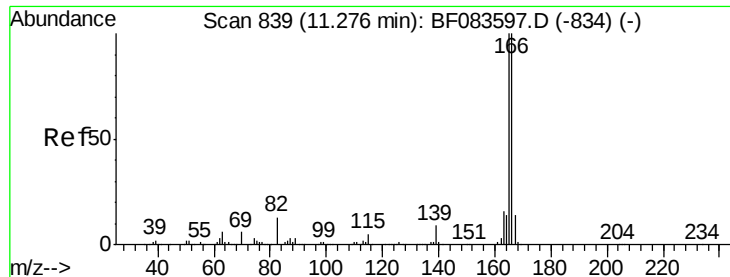
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#51
Acenaphthene
Concen: 2.47 ng
RT: 10.42 min Scan# 764
Delta R.T. -0.02 min
Lab File: BF083662.D
Acq: 10 Dec 2015 3:15

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	36376		
153	116.6		91.4	137.0
152	53.4		43.4	65.2





#57

Fluorene

Concen: 2.17 ng

RT: 11.27 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

Instrument :

BNA_F

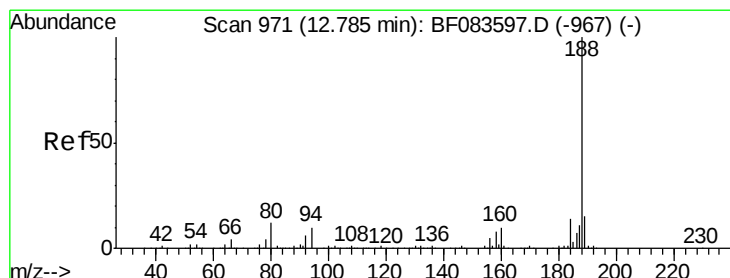
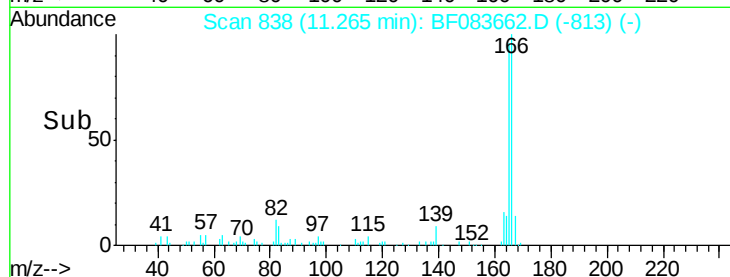
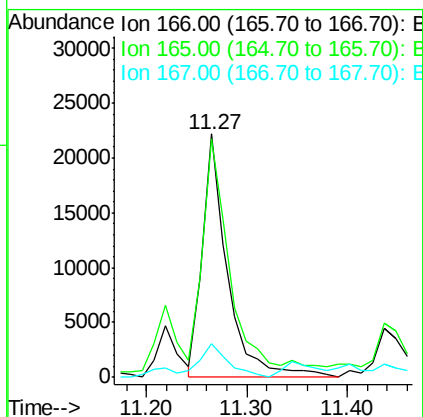
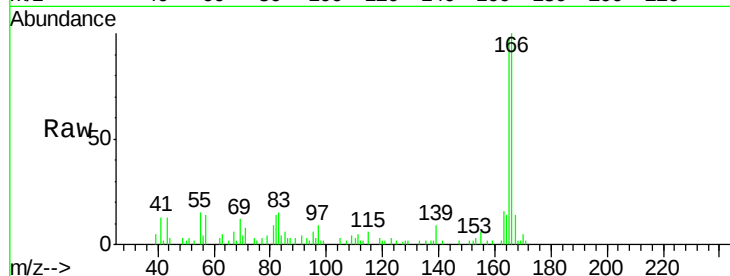
ClientSampleId :

SB-P3WC-01(0-4)DL

Tot Ion:	166	Resp:	38636
Ion Ratio	Lower	Upper	
166	100		
165	97.8	80.0	120.0
167	13.6	10.6	16.0

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng

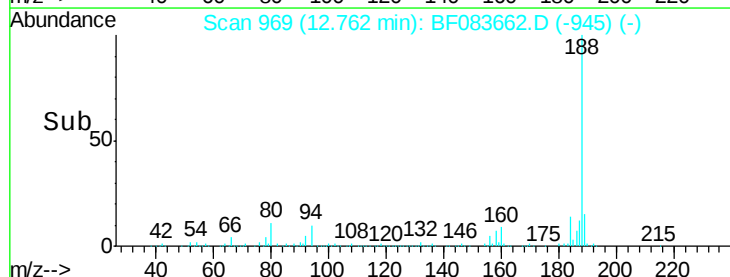
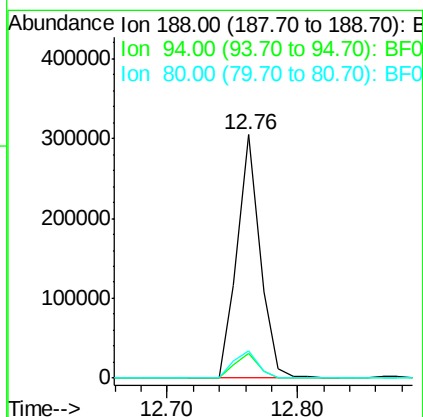
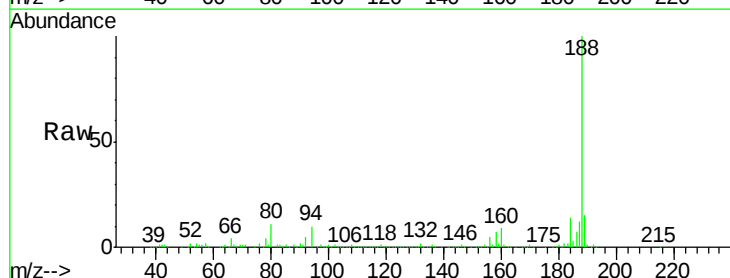
RT: 12.76 min Scan# 969

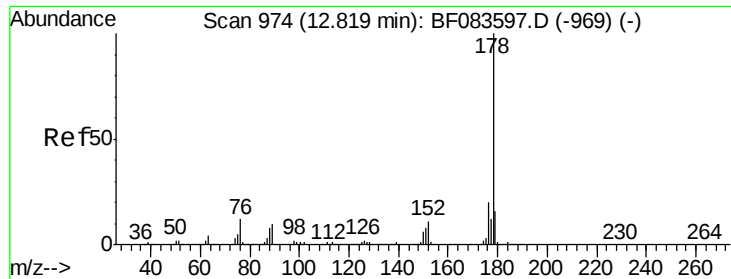
Delta R.T. -0.02 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

Tgt Ion:	188	Resp:	374714
Ion Ratio	Lower	Upper	
188	100		
94	10.1	9.4	14.2
80	11.4	10.6	16.0





#70

Phenanthrene

Concen: 25.30 ng

RT: 12.80 min Scan# 972

Delta R.T. -0.02 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

Instrument :

BNA_F

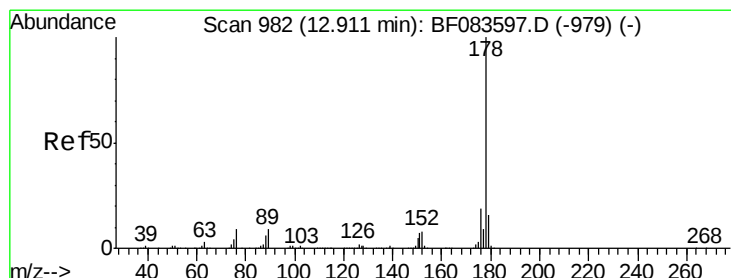
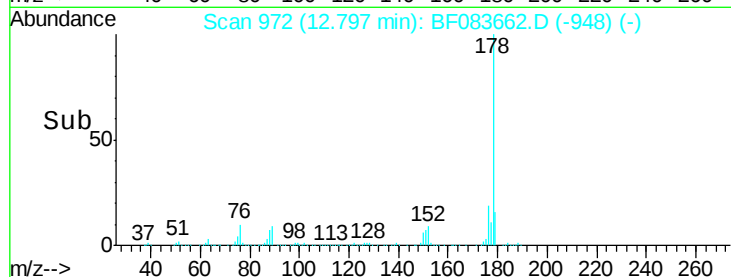
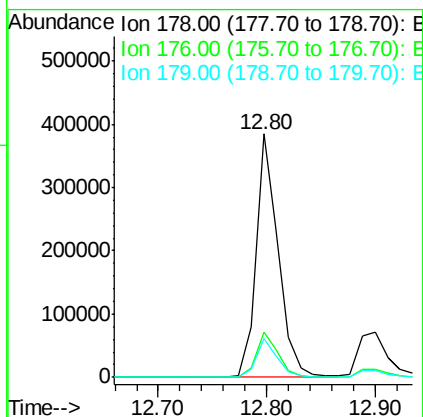
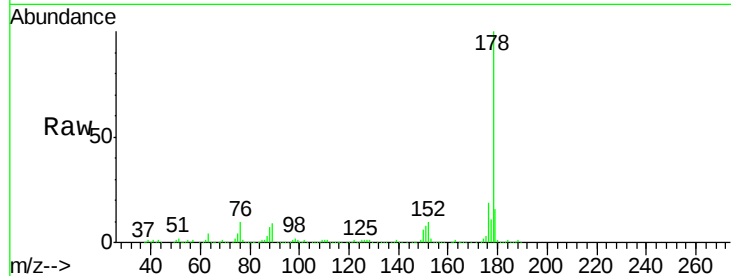
ClientSampleId :

SB-P3WC-01(0-4)DL

Tot Ion:178	Resp:	544662
Ion Ratio	Lower	Upper
178	100	
176	18.8	15.7 23.5
179	15.7	12.2 18.4

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#71

Anthracene

Concen: 5.86 ng

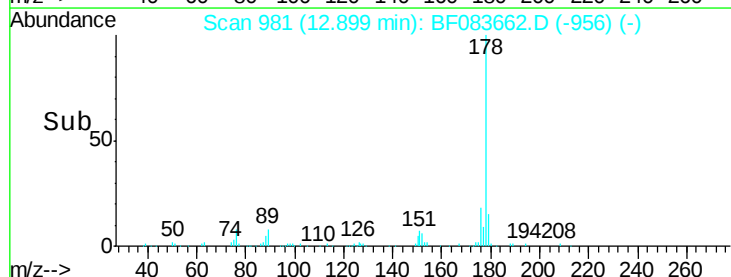
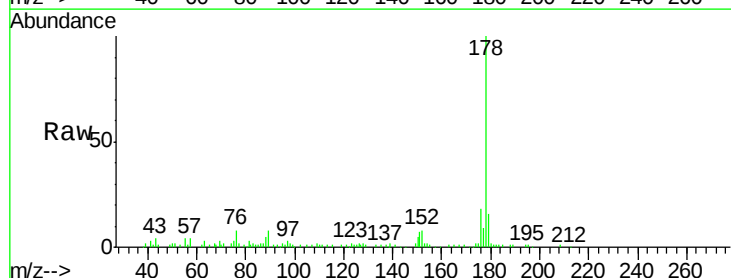
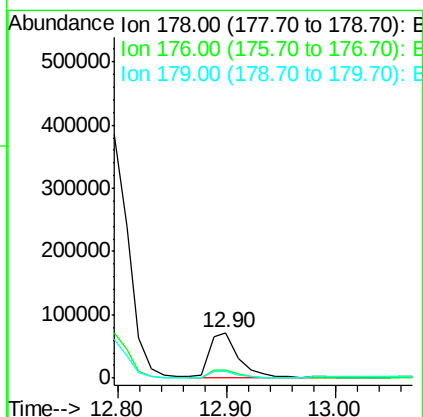
RT: 12.90 min Scan# 981

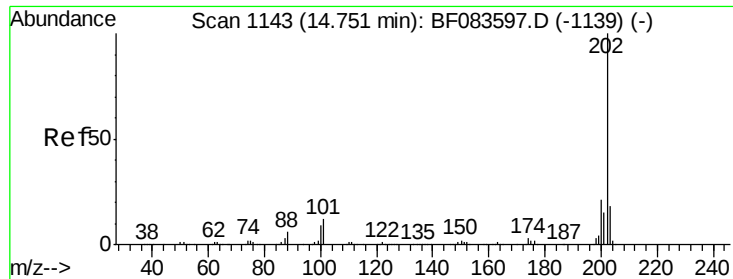
Delta R.T. -0.01 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

Tgt Ion:178	Resp:	130720
Ion Ratio	Lower	Upper
178	100	
176	18.2	15.2 22.8
179	15.6	12.6 18.8





#74

Fluoranthene

Concen: 33.95 ng

RT: 14.73 min Scan# 1141

Delta R.T. -0.02 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

Instrument :

BNA_F

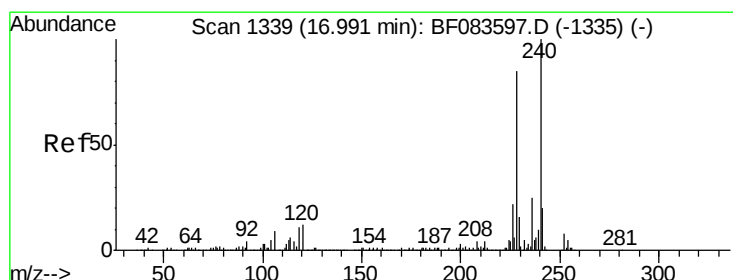
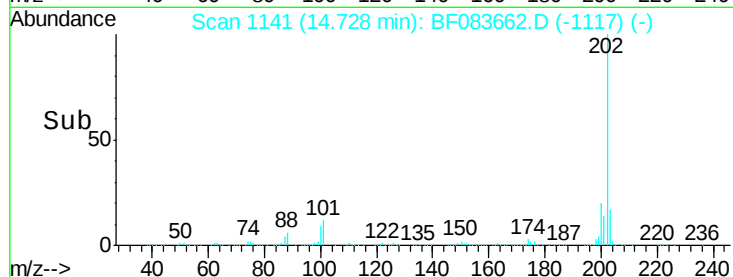
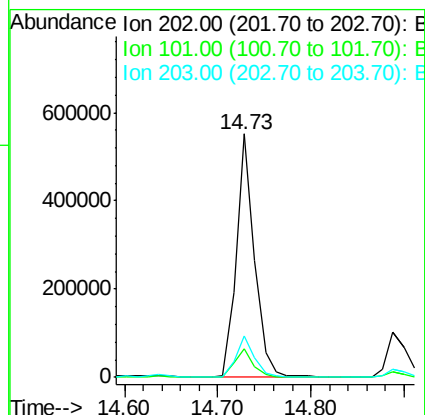
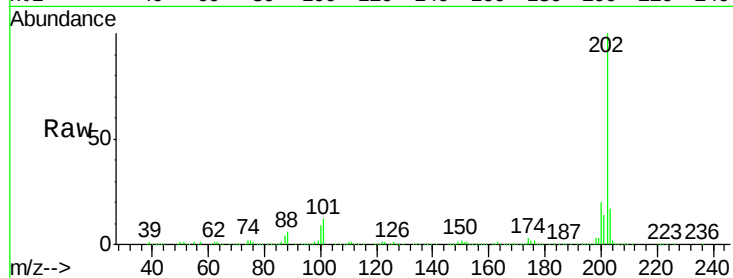
ClientSampleId :

SB-P3WC-01(0-4)DL

Tot Ion:	202	Resp:	747628
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	31.5
203	17.2	0.0	37.6

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#75

Chrysene-d12

Concen: 20.00 ng

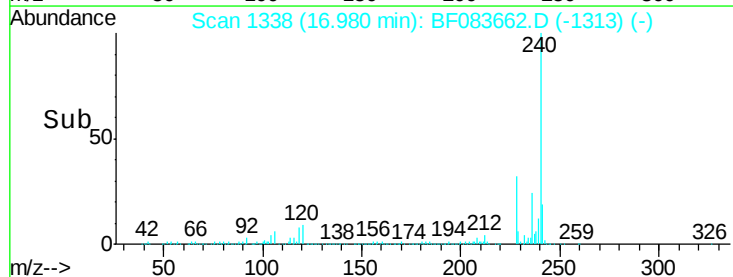
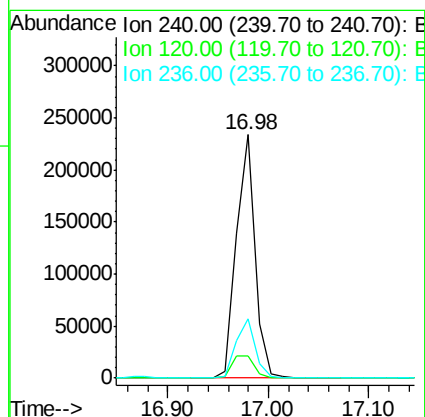
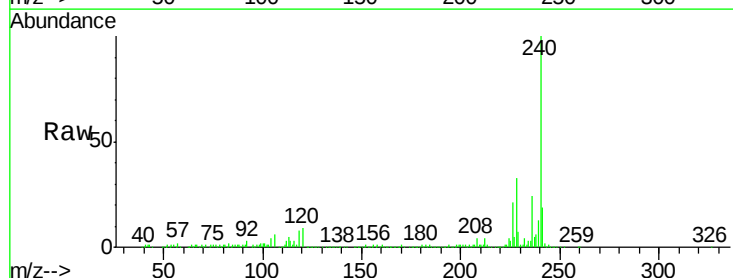
RT: 16.98 min Scan# 1338

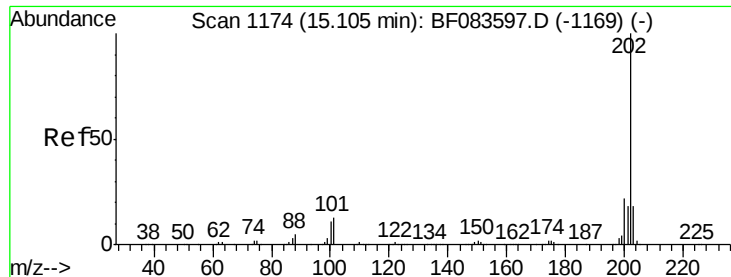
Delta R.T. -0.01 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

Tgt Ion:	240	Resp:	303597
Ion Ratio	Lower	Upper	
240	100		
120	9.3	8.1	12.1
236	24.3	20.8	31.2





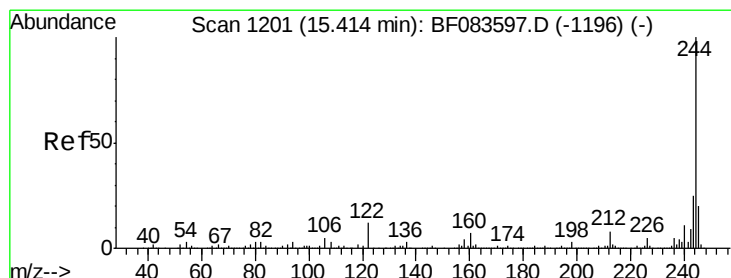
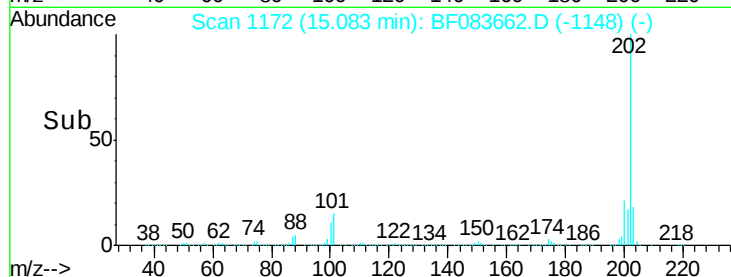
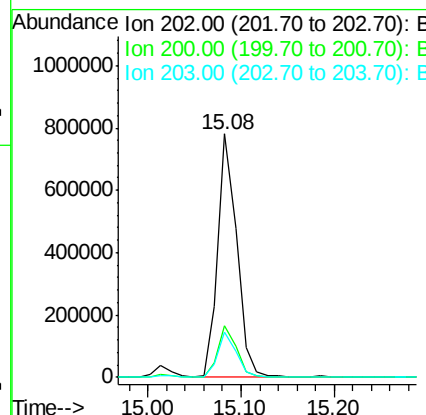
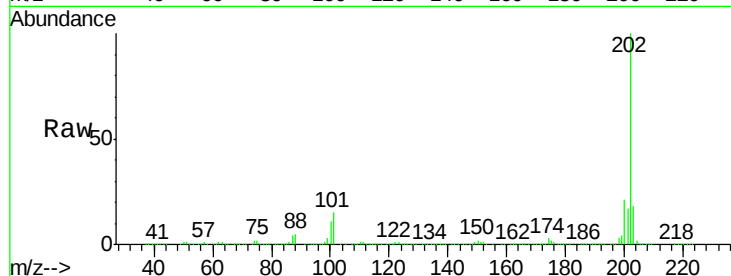
#77
Pvrene
Concen: 50.67 ng
RT: 15.08 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF083662.D
Acq: 10 Dec 2015 3:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	18.4	14.3	21.5

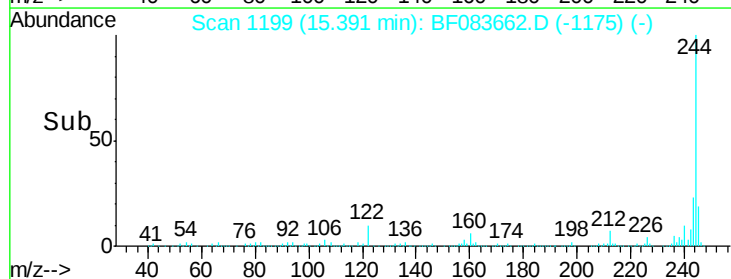
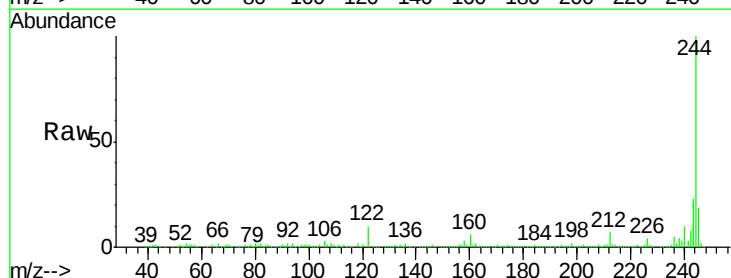
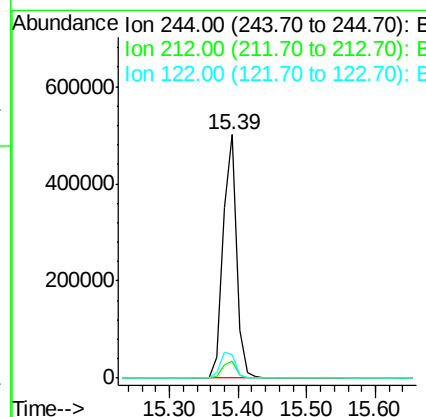
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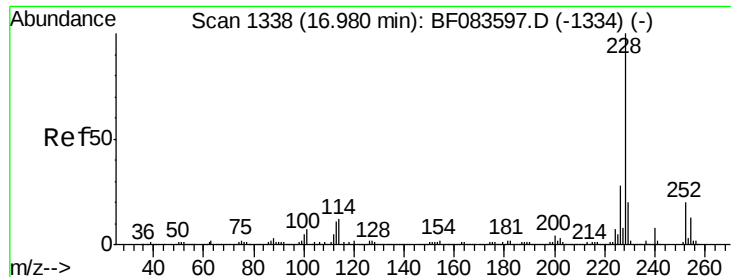
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#78
Terphenyl-d14
Concen: 53.82 ng
RT: 15.39 min Scan# 1199
Delta R.T. -0.02 min
Lab File: BF083662.D
Acq: 10 Dec 2015 3:15

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.1	9.1
122	9.7	11.0	16.6#





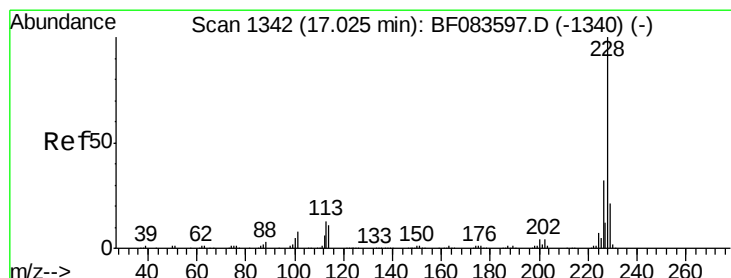
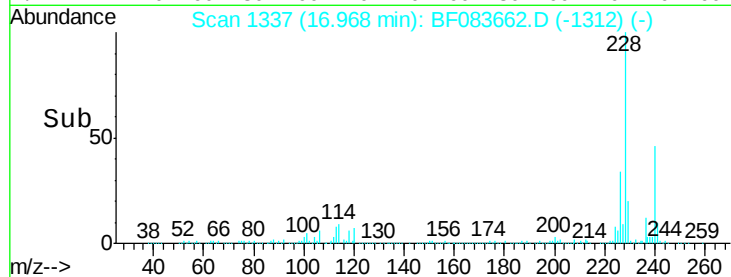
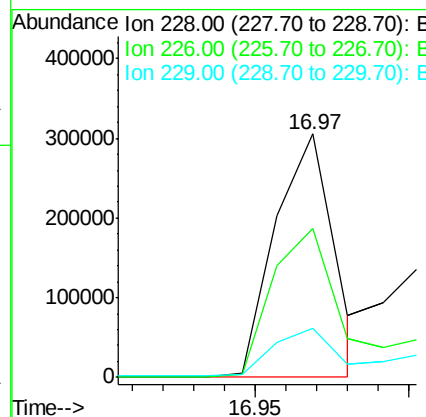
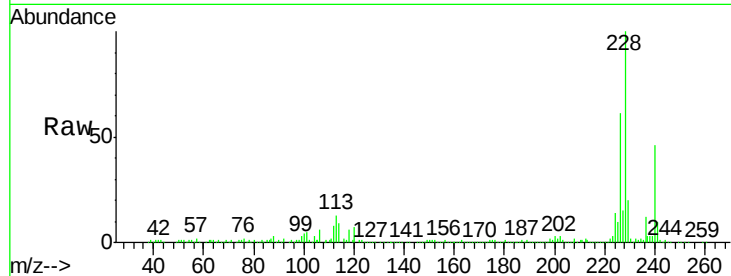
#80
Benzo(a)anthracene
Concen: 22.85 ng m
RT: 16.97 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF083662.D
Acq: 10 Dec 2015 3:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	61.2	22.3	33.5#
229	20.1	15.7	23.5

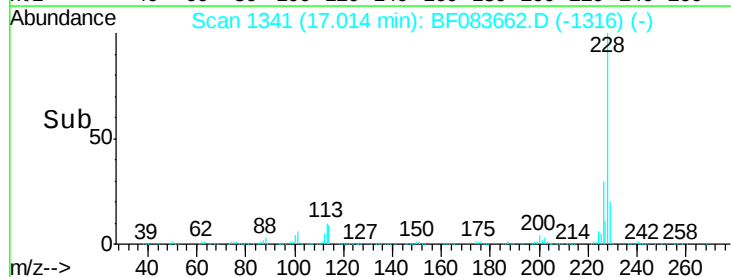
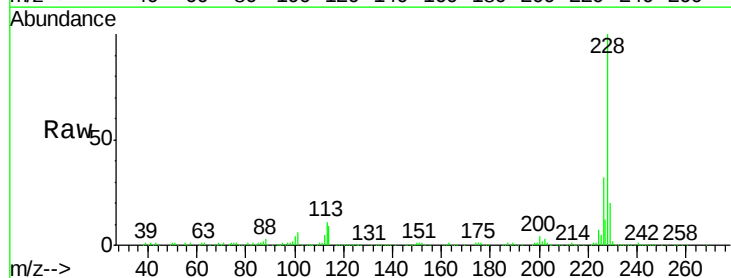
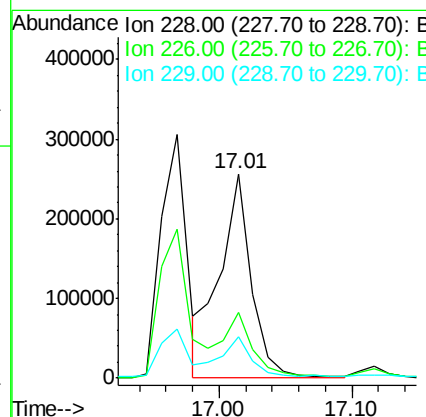
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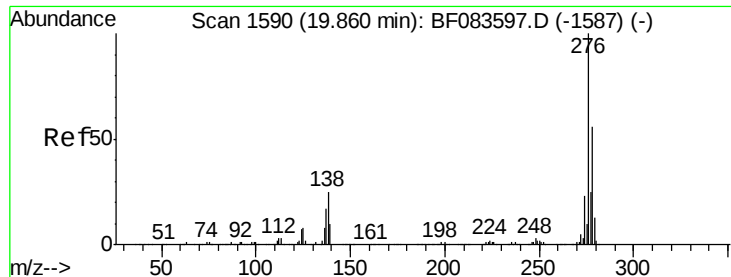
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#82
Chrysene
Concen: 24.51 ng m
RT: 17.01 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF083662.D
Acq: 10 Dec 2015 3:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.7	37.1
229	20.4	16.3	24.5





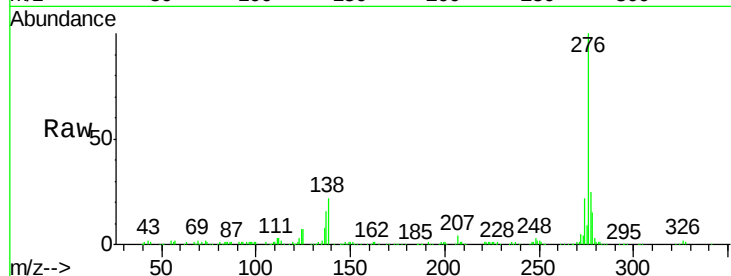
#85
Indeno(1,2,3-cd)pyrene
Concen: 25.42 ng
RT: 19.86 min Scan# 1590
Delta R.T. 0.00 min
Lab File: BF083662.D
Acq: 10 Dec 2015 3:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)DL

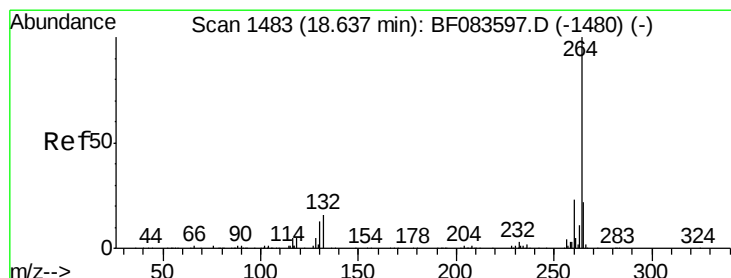
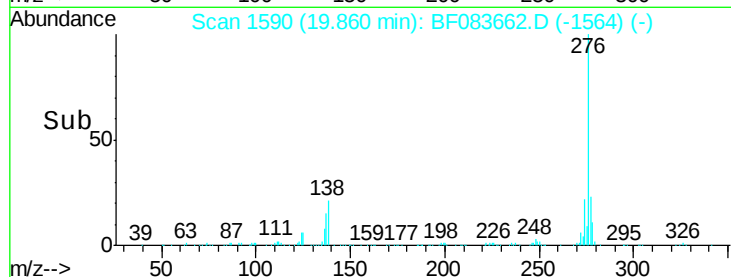
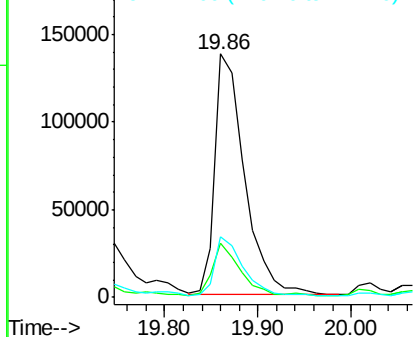
Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	19.8	0.0	0.0#
277	23.7	0.0	0.0#

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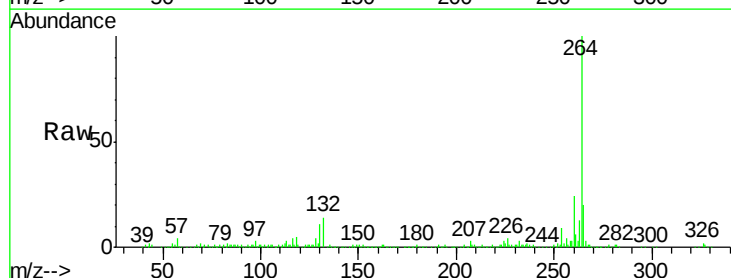


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

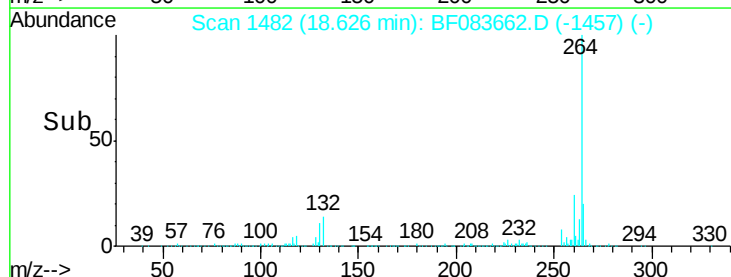
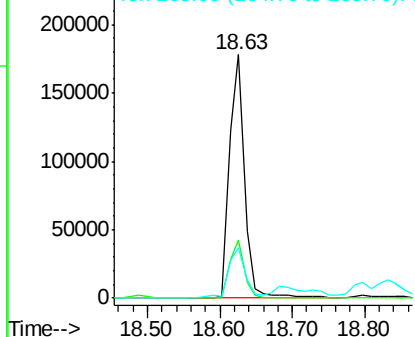


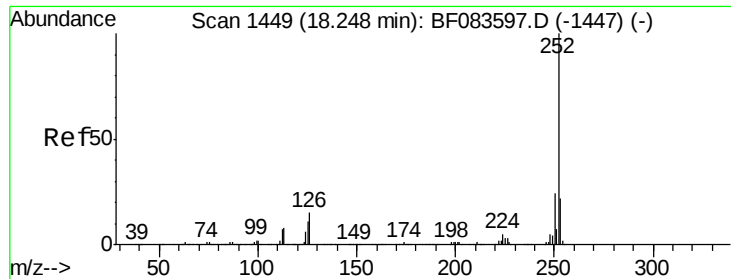
#86
Perylene-d12
Concen: 20.00 ng
RT: 18.63 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF083662.D
Acq: 10 Dec 2015 3:15

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.9	19.4	29.0
265	20.5	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: 35.83 ng m

RT: 18.25 min Scan# 1449

Delta R.T. 0.00 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

Instrument :

BNA_F

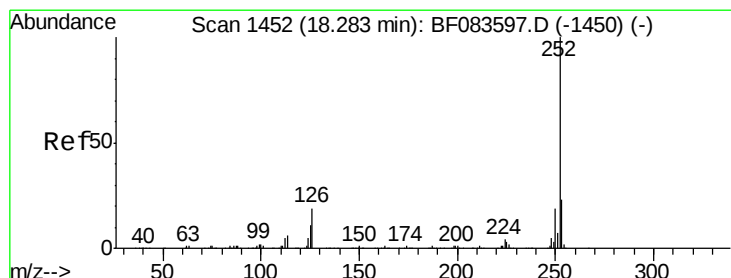
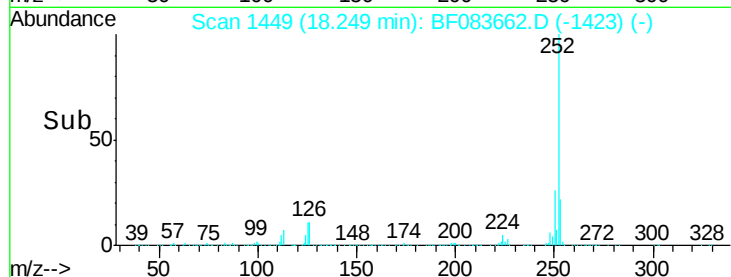
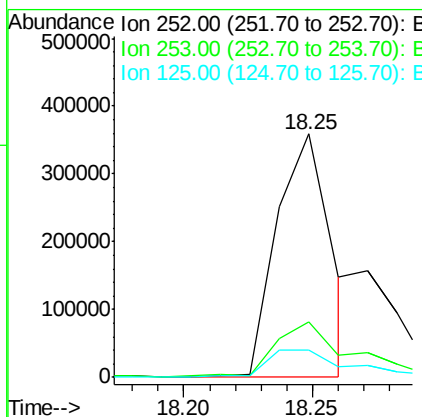
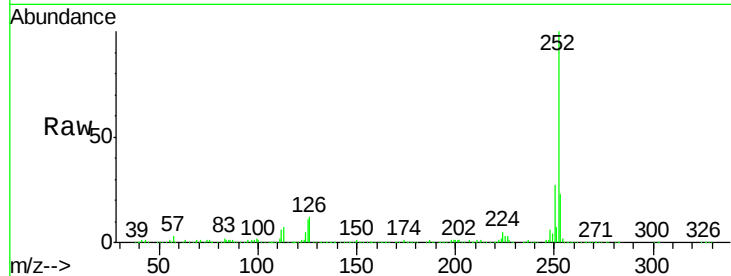
ClientSampleId :

SB-P3WC-01(0-4)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.4
125	11.2	8.2	12.4

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#88

Benzo(k)fluoranthene

Concen: 12.23 ng m

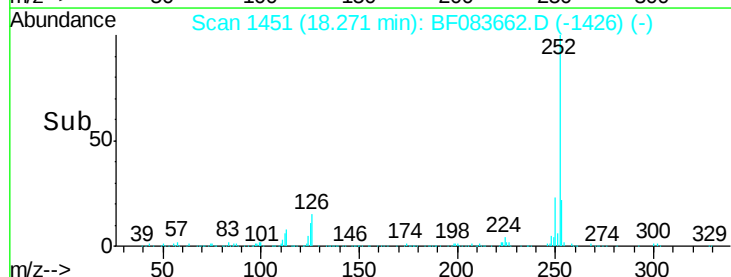
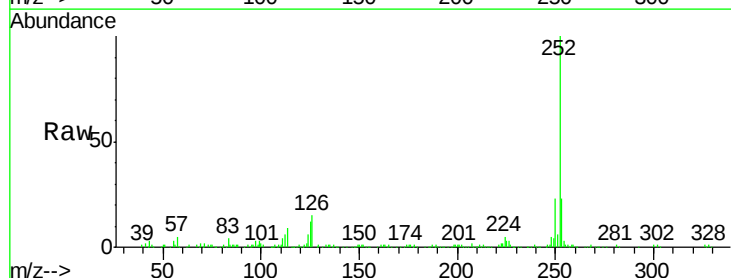
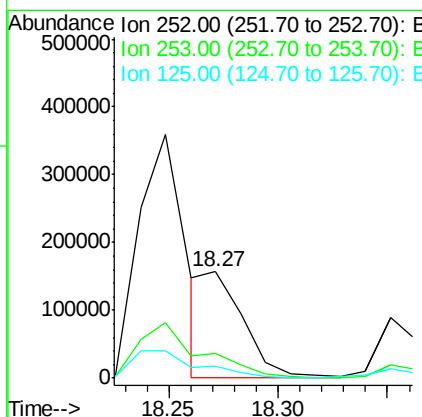
RT: 18.27 min Scan# 1451

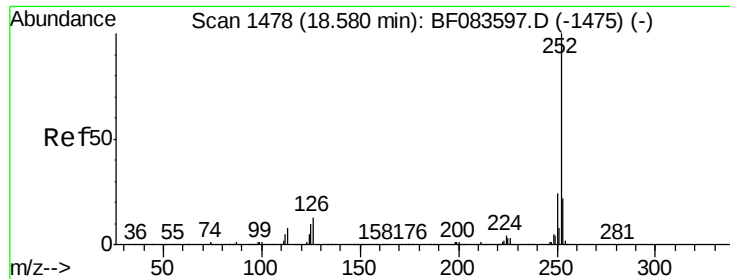
Delta R.T. -0.01 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.6	27.8
125	11.7	11.5	17.3





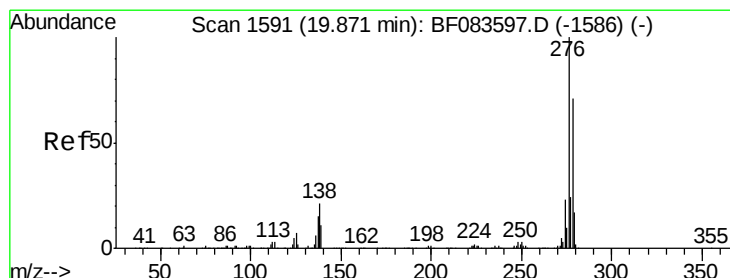
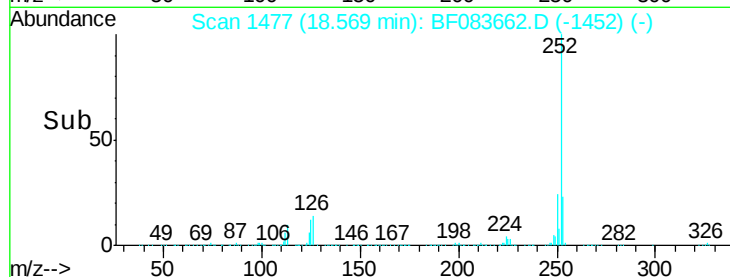
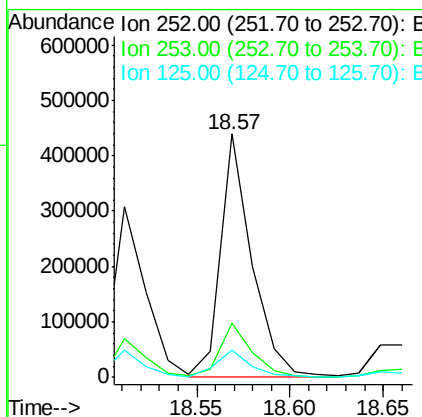
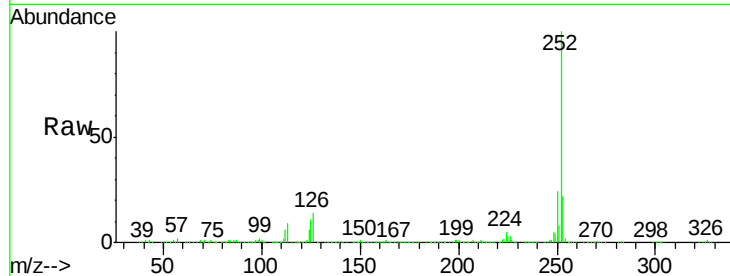
#89
Benzo(a)pyrene
Concen: 35.83 ng
RT: 18.57 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF083662.D
Acq: 10 Dec 2015 3:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)DL

Tot Ion	Ratio	Resp	Lower	Upper
252	100	511181		
253	22.5		17.5	26.3
125	11.1		11.0	16.6

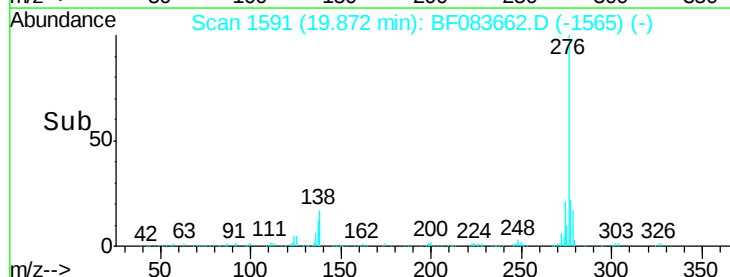
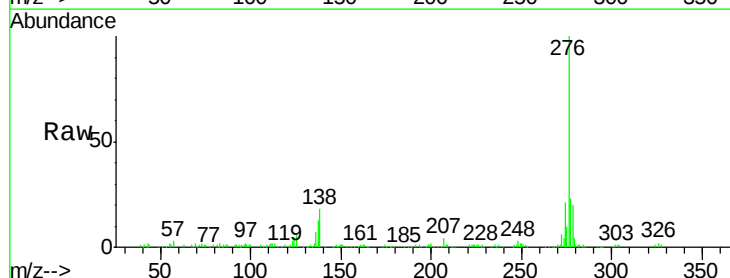
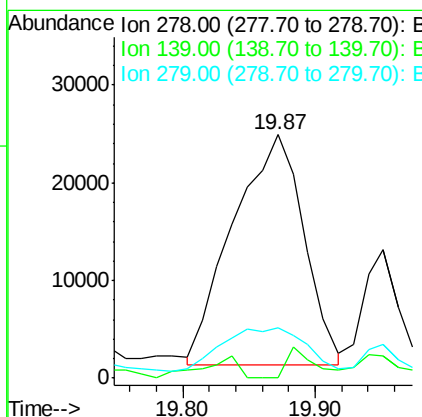
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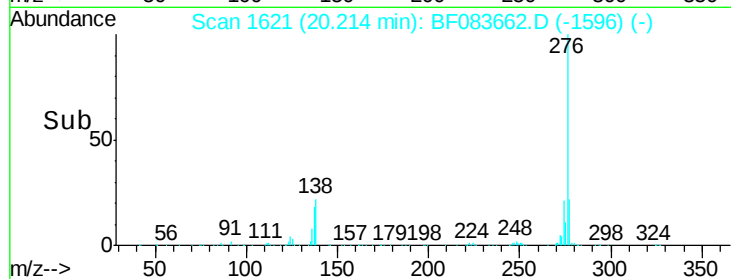
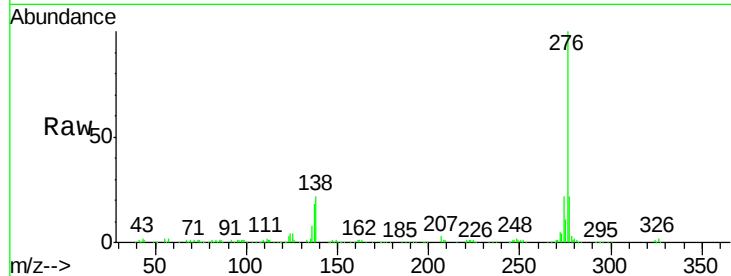
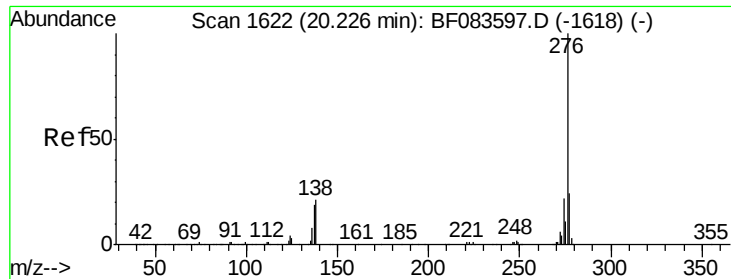
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#90
Dibenzo(a,h)anthracene
Concen: 8.01 ng m
RT: 19.87 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BF083662.D
Acq: 10 Dec 2015 3:15

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	87393		
139	0.0		12.8	19.2#
279	20.9		18.6	28.0





#91
 Benzo(a,h,i)perylene
 Concen: 34.16 ng
 RT: 20.21 min Scan# 1621
 Delta R.T. -0.01 min
 Lab File: BF083662.D
 Acq: 10 Dec 2015 3:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-01(0-4)DL

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	22.3	19.2	28.8
138	22.1	19.5	29.3

Manual Integrations
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