

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121015\
 Data File : BF083687.D
 Acq On : 10 Dec 2015 20:31
 Operator : UM/IZ
 Sample : G4582-13DL 40X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-08(0-8)DL

Manual Integrations
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 12/11/2015 6:01:36 PM

Quant Time: Dec 11 03:15:37 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	5.62	152	147025	20.00	ng	-0.08
21) Naphthalene-d8	7.50	136	561767	20.00	ng	-0.10
38) Acenaphthene-d10	10.29	164	273363	20.00	ng	-0.09
63) Phenanthrene-d10	12.69	188	481027	20.00	ng	-0.09
75) Chrysene-d12	16.91	240	392288	20.00	ng	-0.08
86) Perylene-d12	18.57	264	305636	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	4.12	112	9131	0.94	ng	0.15
7) Phenol-d6	5.34	99	24408	1.88	ng	0.07
23) Nitrobenzene-d5	6.45	82	1331	0.11	ng	-0.08
41) 2,4,6-Tribromophenol	11.63	330	5426	2.23	ng	-0.06
44) 2-Fluorobiphenyl	9.26	172	44219	2.28	ng	-0.08
78) Terphenyl-d14	15.32	244	41766	2.51	ng	-0.09
Target Compounds						Qvalue
31) Naphthalene	7.54	128	1546112	51.97	ng	99
37) 2-Methylnaphthalene	8.65	142	190927	10.22	ng	99
45) 1,1'-Biphenyl	9.41	154	82204	3.46	ng	98
48) Acenaphthylene	10.09	152	90039	3.04	ng	97
51) Acenaphthene	10.34	154	312149	18.43	ng	100
57) Fluorene	11.20	166	178396	8.70	ng	99
70) Phenanthrene	12.73	178	1020048	36.91	ng	99
71) Anthracene	12.82	178	345997	12.09	ng	97
74) Fluoranthene	14.66	202	726388	25.69	ng	100
77) Pyrene	15.01	202	1076335	38.11	ng	99
80) Benzo(a)anthracene	16.90	228	365647m	15.92	ng	
82) Chrysene	16.96	228	313097	13.60	ng	98
85) Indeno(1,2,3-cd)pyrene	19.83	276	164841m	10.61	ng	
87) Benzo(b)fluoranthene	18.20	252	296864m	17.06	ng	
88) Benzo(k)fluoranthene	18.24	252	119740m	6.24	ng	
89) Benzo(a)pyrene	18.52	252	291619	17.17	ng	97
91) Benzo(a,h,i)perylene	20.17	276	191400	15.12	ng	97

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

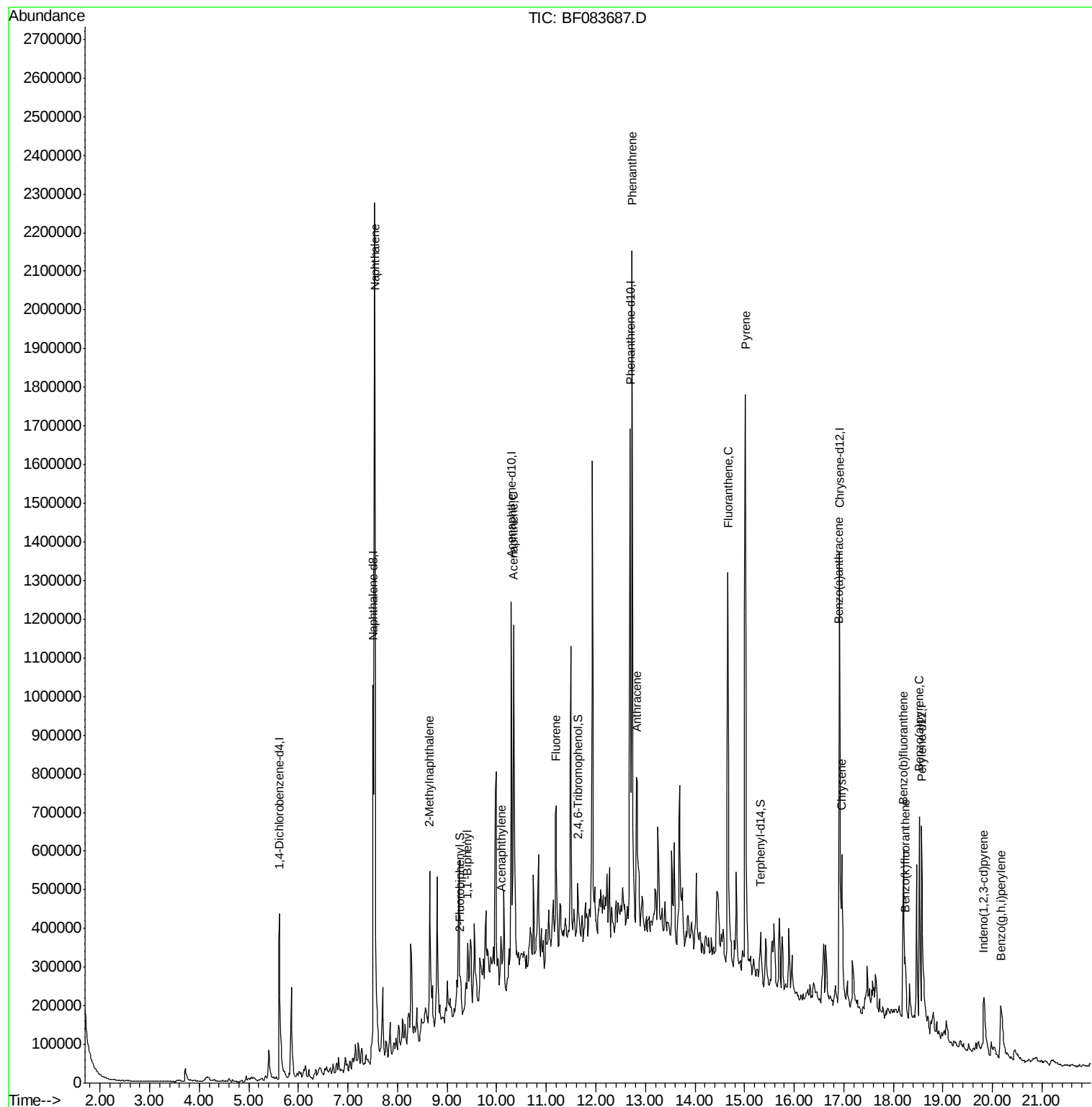
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121015\
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ALS Vial : 4 Sample Multiplier: 1

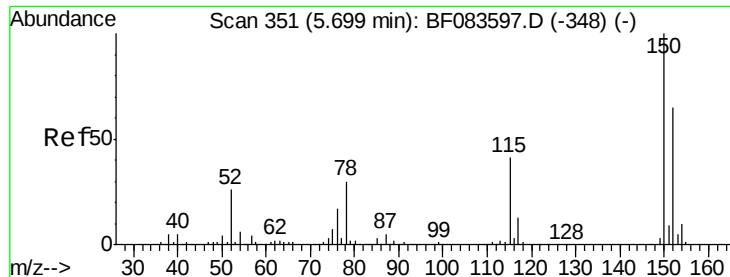
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(0-8)DL

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Quant Time: Dec 11 03:15:37 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

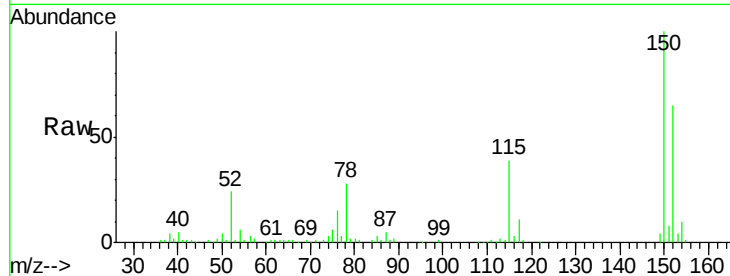
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.62 min Scan# 344
Delta R.T. -0.08 min
Lab File: BF083687.D
Acq: 10 Dec 2015 20:31

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(0-8)DL

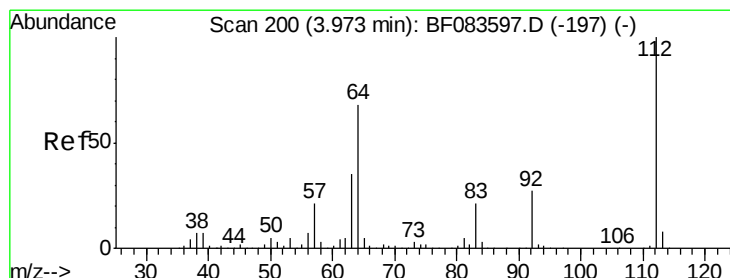
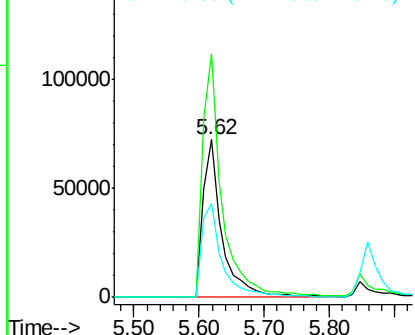
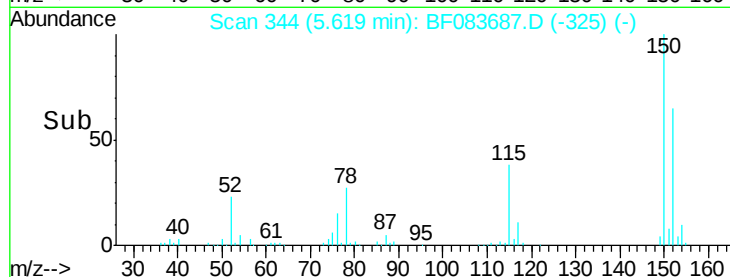
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	126.5	189.7
115	59.6	52.3	78.5

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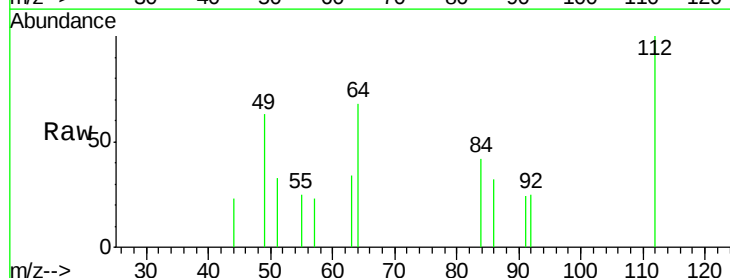
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



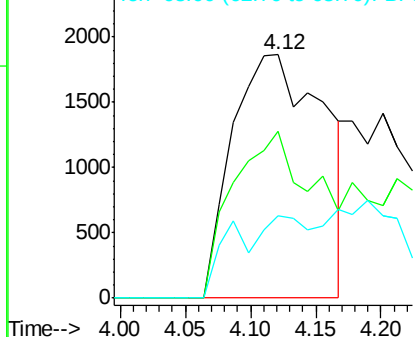
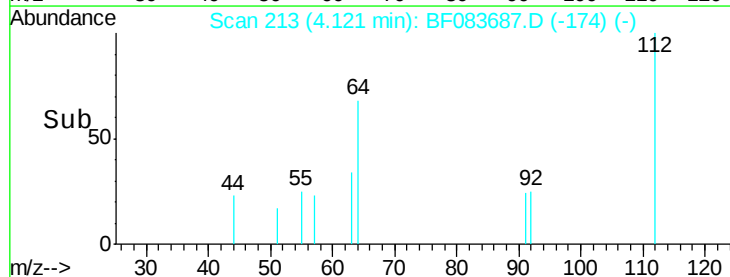
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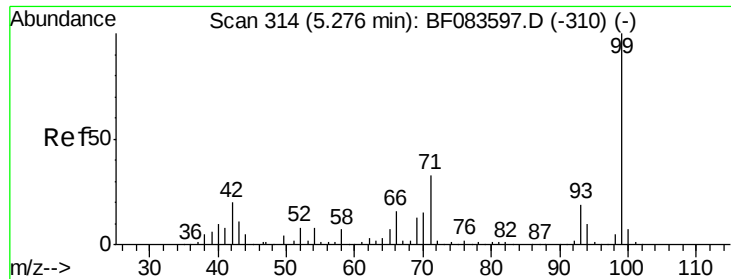
2-Fluorophenol
Concen: 0.94 ng
RT: 4.12 min Scan# 213
Delta R.T. 0.15 min
Lab File: BF083687.D
Acq: 10 Dec 2015 20:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.3	50.5	75.7
63	34.0	25.8	38.6



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





#7

Phenol-d6

Concen: 1.88 ng

RT: 5.34 min Scan# 320

Delta R.T. 0.07 min

Lab File: BF083687.D

Acq: 10 Dec 2015 20:31

Instrument :

BNA_F

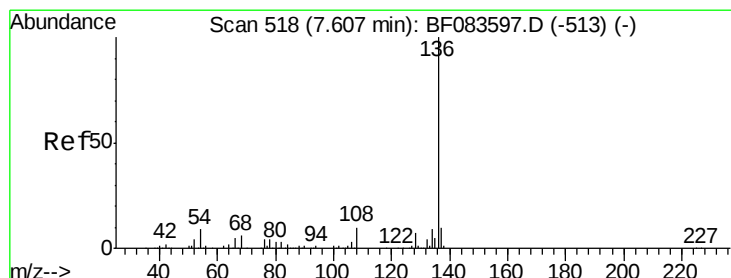
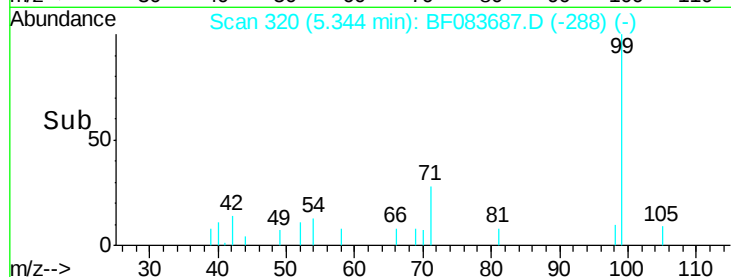
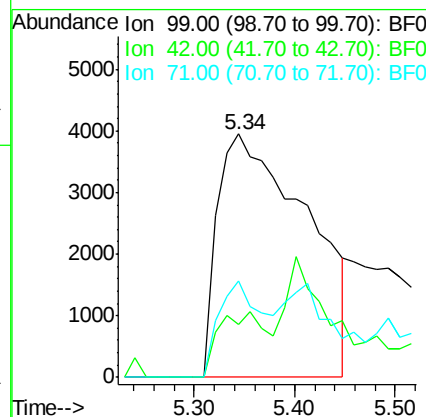
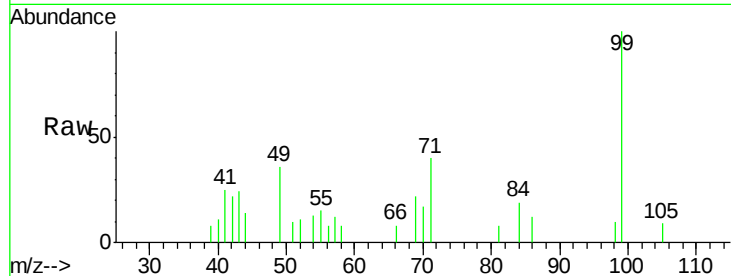
ClientSampleId :

SB-P3WC-08(0-8)DL

Tot Ion:	99	Resp:	24408
Ion Ratio	Lower	Upper	
99	100		
42	21.7	17.3	25.9
71	39.8	26.6	40.0

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#21

Naphthalene-d8

Concen: 20.00 ng

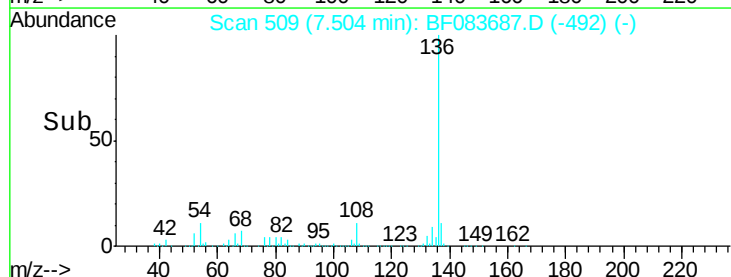
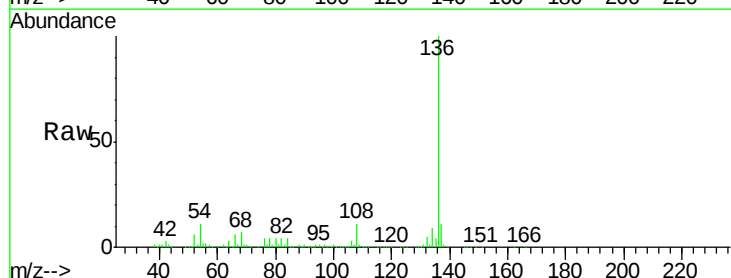
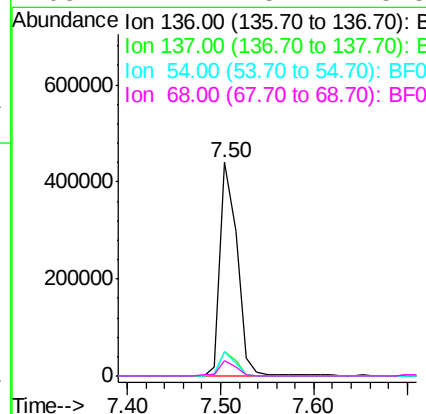
RT: 7.50 min Scan# 509

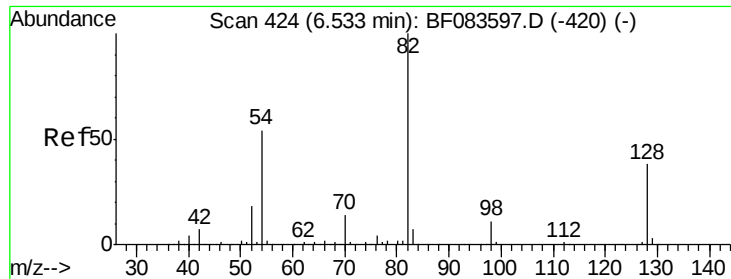
Delta R.T. -0.10 min

Lab File: BF083687.D

Acq: 10 Dec 2015 20:31

Tgt Ion:	136	Resp:	561767
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.7	13.1
54	11.3	7.8	11.6
68	7.4	5.7	8.5





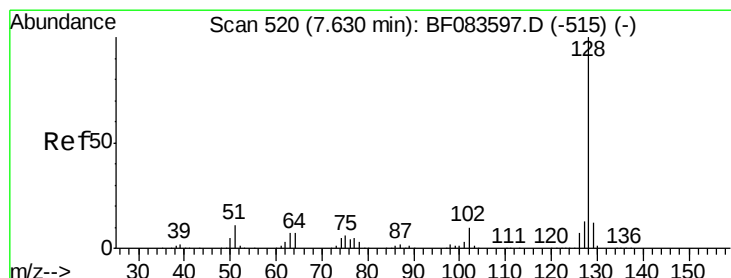
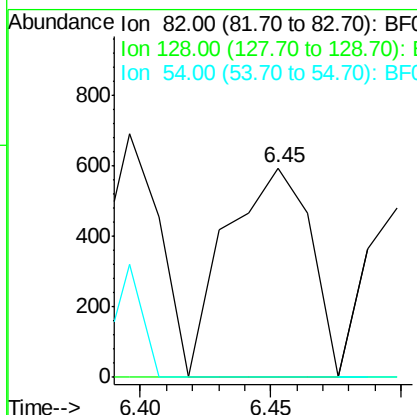
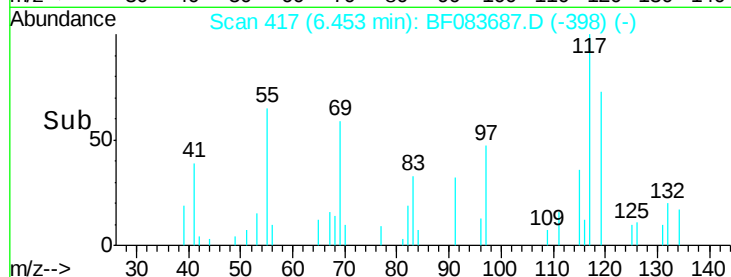
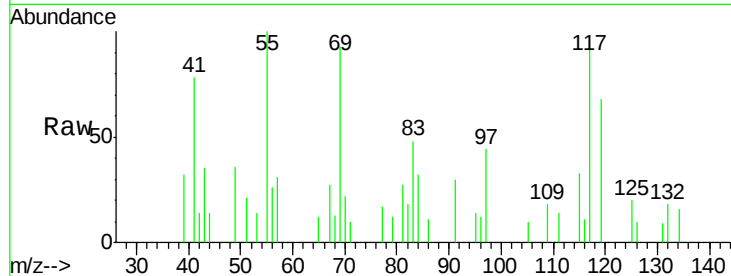
#23
 Nitrobenzene-d5
 Concen: 0.11 ng
 RT: 6.45 min Scan# 417
 Delta R.T. -0.08 min
 Lab File: BF083687.D
 Acq: 10 Dec 2015 20:31

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-08(0-8)DL

Tot Ion:	82	Resp:	1331
Ion Ratio	Lower	Upper	
82	100		
128	0.0	30.7	46.1#
54	0.0	42.5	63.7#

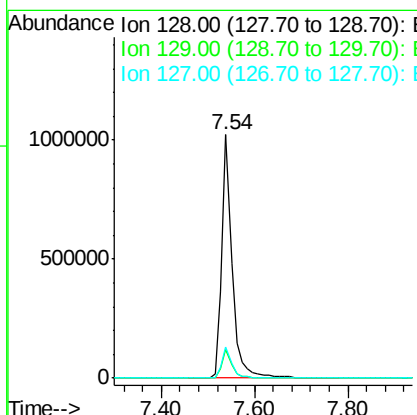
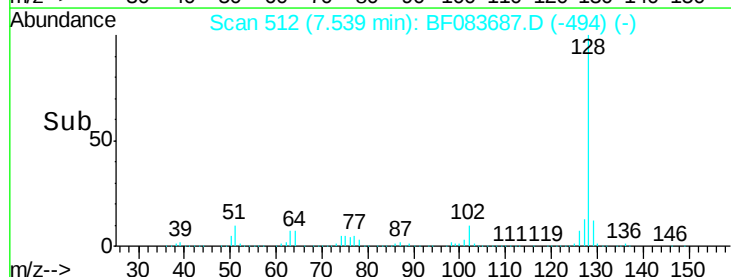
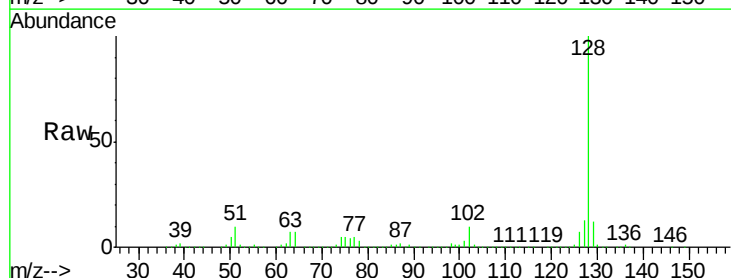
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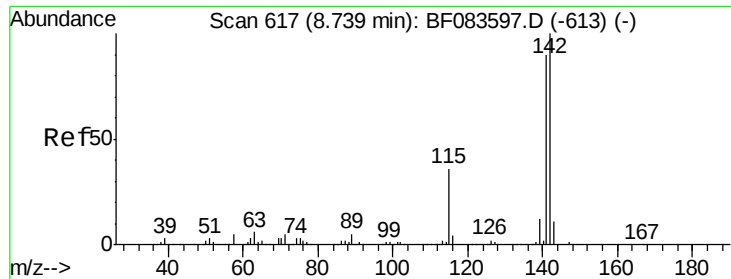
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#31
 Naphthalene
 Concen: 51.97 ng
 RT: 7.54 min Scan# 512
 Delta R.T. -0.09 min
 Lab File: BF083687.D
 Acq: 10 Dec 2015 20:31

Tgt Ion:	128	Resp:	1546112
Ion Ratio	Lower	Upper	
128	100		
129	11.6	8.6	13.0
127	13.0	10.6	16.0





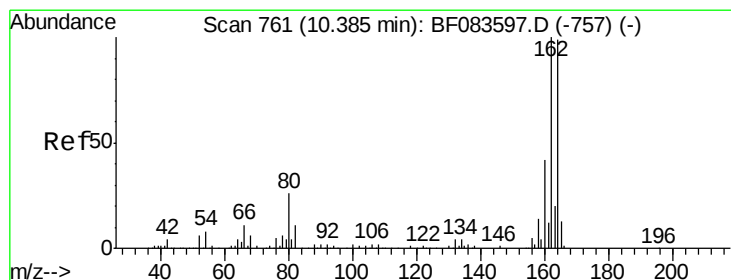
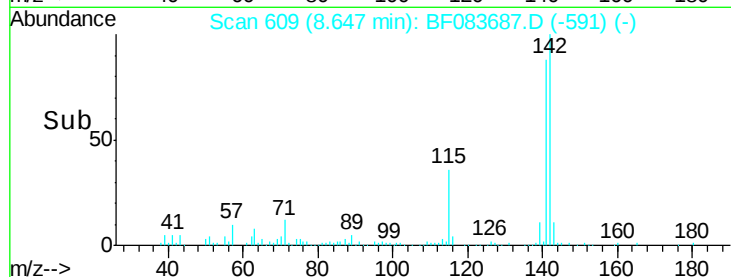
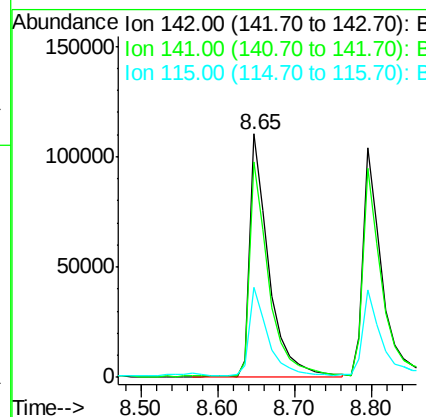
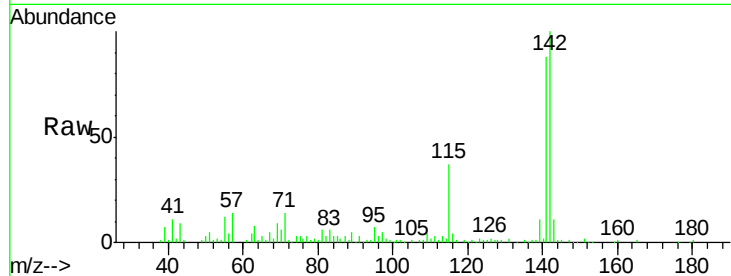
#37
2-Methylnaphthalene
Concen: 10.22 ng
RT: 8.65 min Scan# 609
Delta R.T. -0.09 min
Lab File: BF083687.D
Acq: 10 Dec 2015 20:31

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(0-8)DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.3	105.5
115	36.7	29.2	43.8

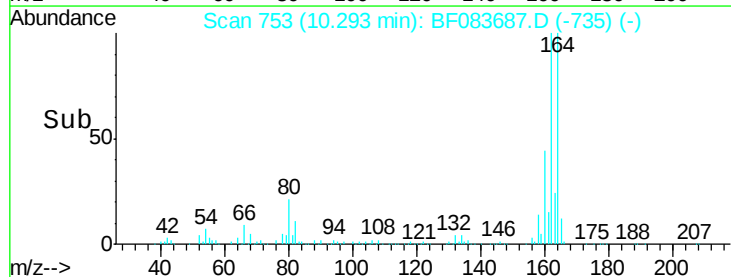
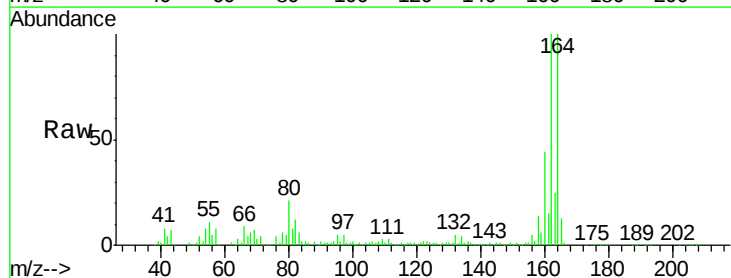
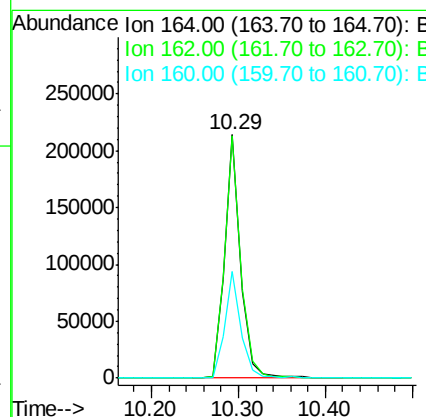
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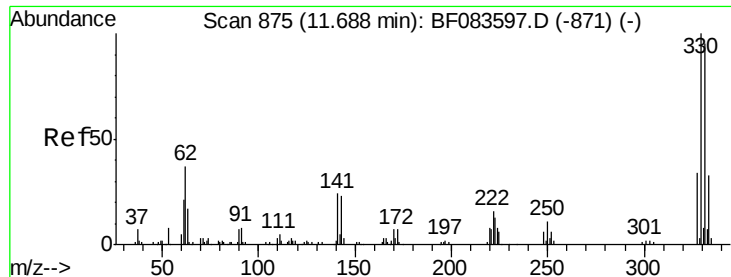
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.29 min Scan# 753
Delta R.T. -0.09 min
Lab File: BF083687.D
Acq: 10 Dec 2015 20:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.6	78.8	118.2
160	43.6	33.4	50.2





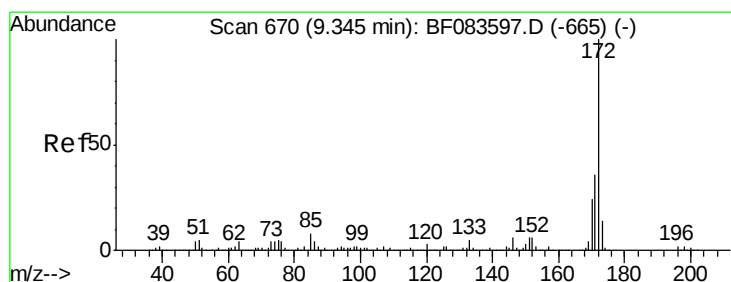
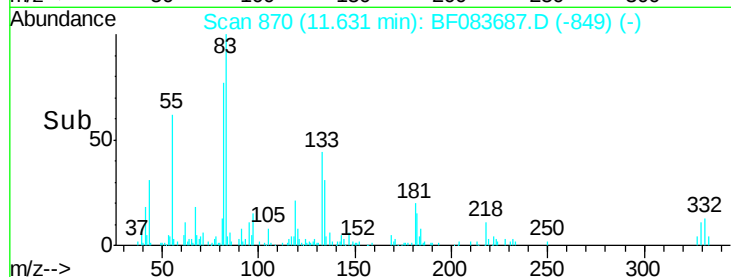
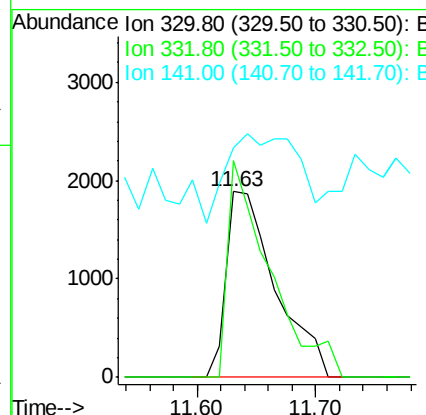
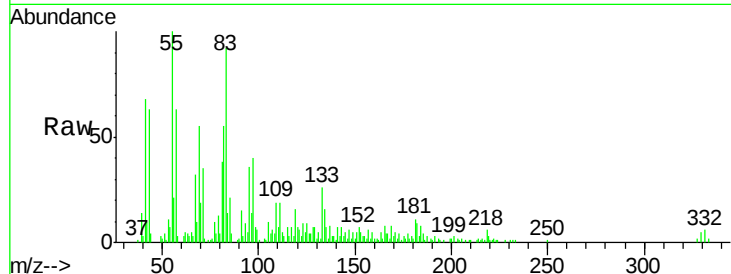
#41
 2,4,6-Tribromophenol
 Concen: 2.23 ng
 RT: 11.63 min Scan# 870
 Delta R.T. -0.06 min
 Lab File: BF083687.D
 Acq: 10 Dec 2015 20:31

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-08(0-8)DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.8	0.0	0.0#
141	68.4	0.0	0.0#

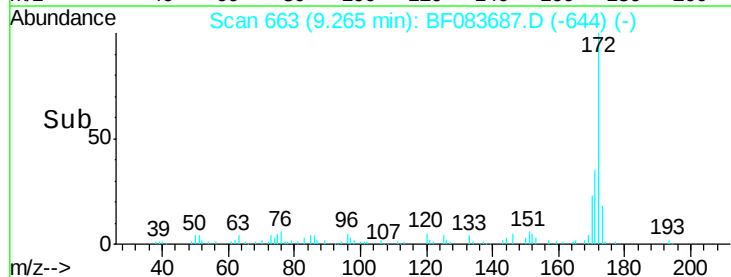
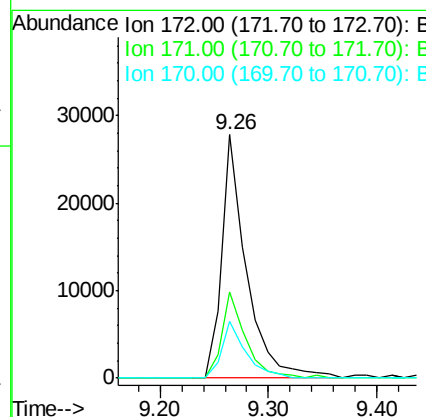
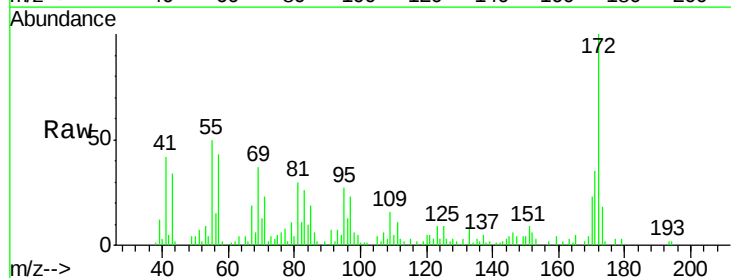
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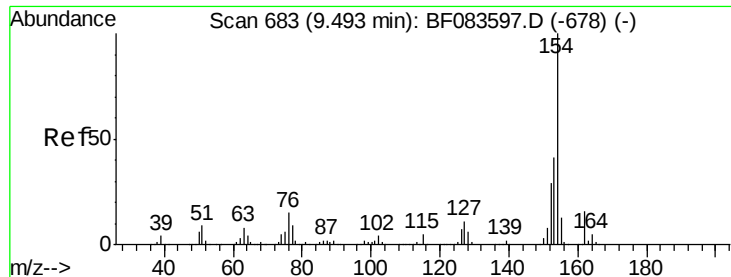
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#44
 2-Fluorobiphenyl
 Concen: 2.28 ng
 RT: 9.26 min Scan# 663
 Delta R.T. -0.08 min
 Lab File: BF083687.D
 Acq: 10 Dec 2015 20:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	42.8
170	23.5	19.4	29.0





#45

1,1'-Biphenyl

Concen: 3.46 ng

RT: 9.41 min Scan# 676

Delta R.T. -0.08 min

Lab File: BF083687.D

Acq: 10 Dec 2015 20:31

Instrument :

BNA_F

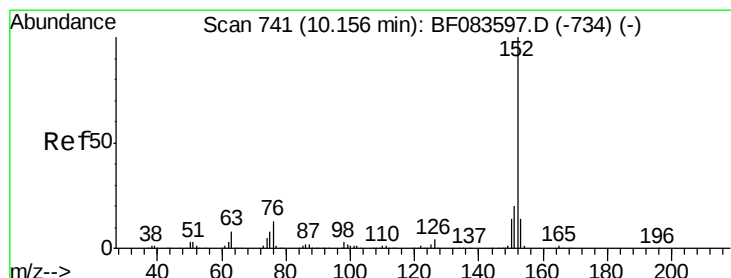
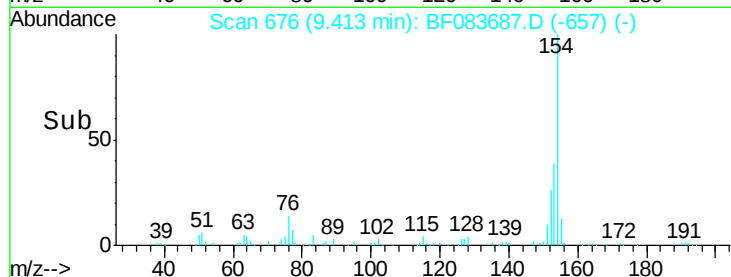
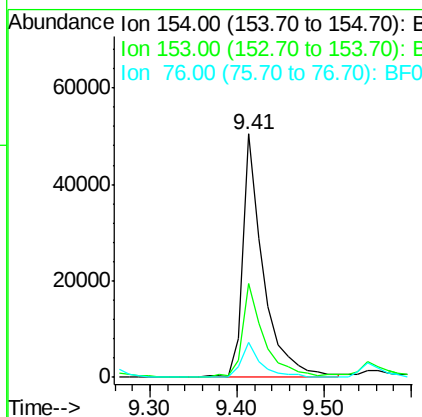
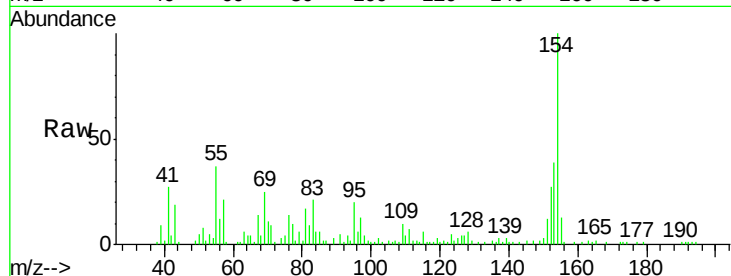
ClientSampleId :

SB-P3WC-08(0-8)DL

Tot Ion:	154	Resp:	82204
Ion Ratio	Lower	Upper	
154	100		
153	38.6	20.2	60.2
76	14.3	0.0	34.8

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#48

Acenaphthylene

Concen: 3.04 ng

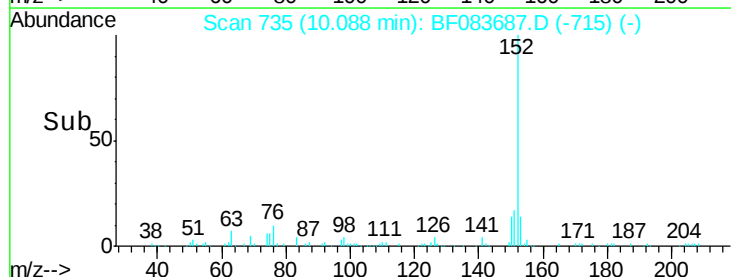
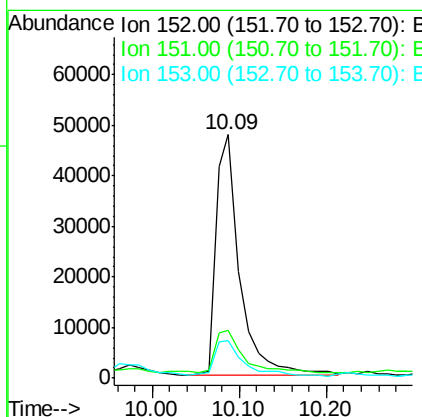
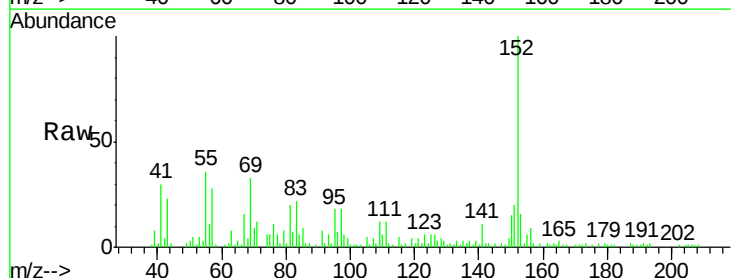
RT: 10.09 min Scan# 735

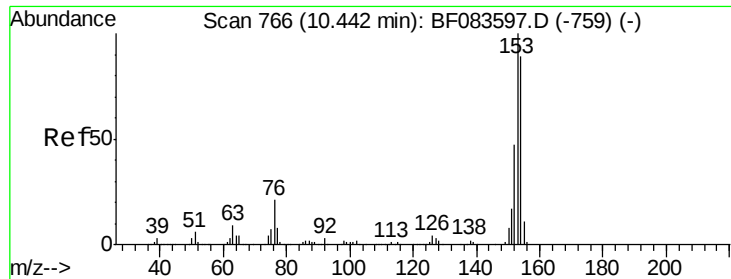
Delta R.T. -0.07 min

Lab File: BF083687.D

Acq: 10 Dec 2015 20:31

Tgt Ion:	152	Resp:	90039
Ion Ratio	Lower	Upper	
152	100		
151	19.8	16.3	24.5
153	15.6	10.8	16.2





#51

Acenaphthene

Concen: 18.43 ng

RT: 10.34 min Scan# 757

Delta R.T. -0.10 min

Lab File: BF083687.D

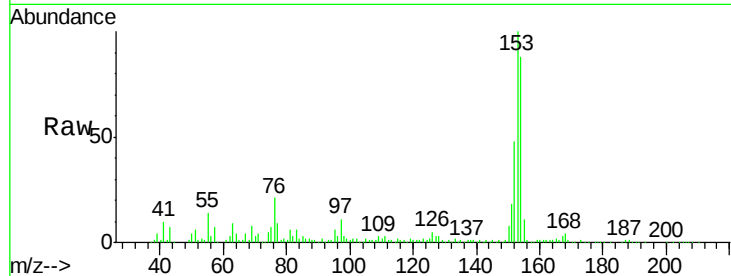
Acq: 10 Dec 2015 20:31

Instrument :

BNA_F

ClientSampleId :

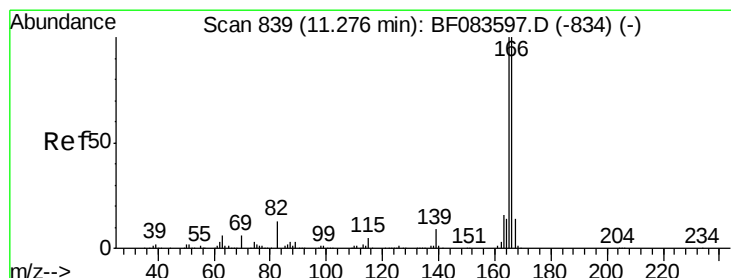
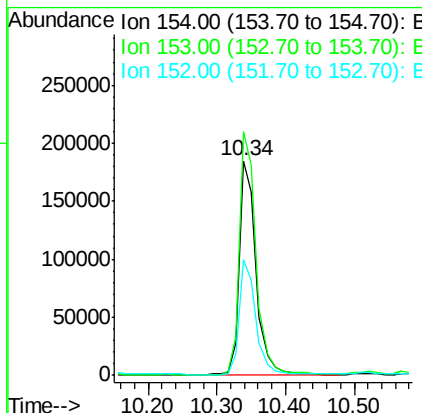
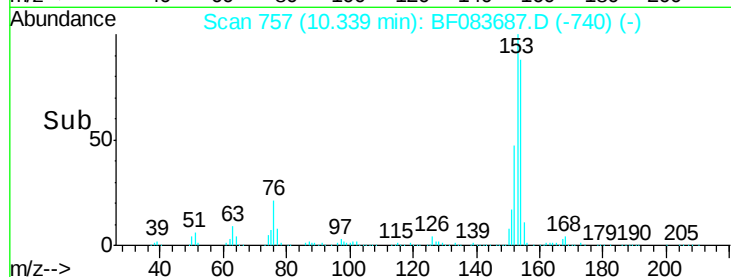
SB-P3WC-08(0-8)DL



Tot Ion	154	Resp	312149
Ion Ratio	Lower	Upper	
154	100		
153	113.6	91.4	137.0
152	54.1	43.4	65.2

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#57

Fluorene

Concen: 8.70 ng

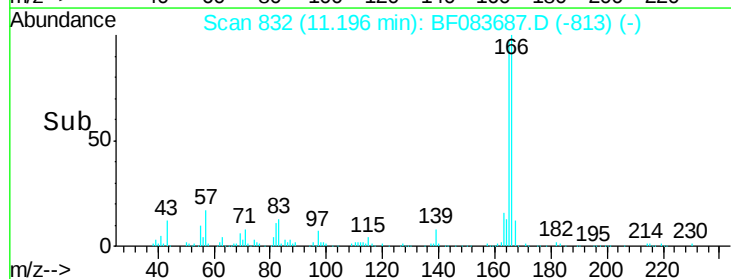
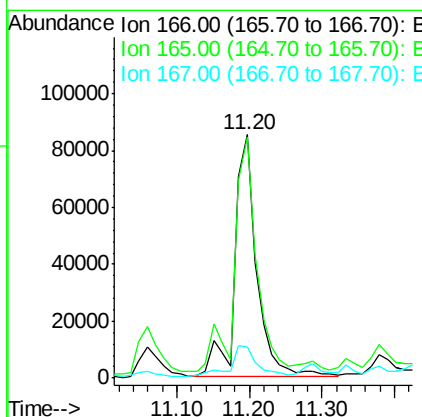
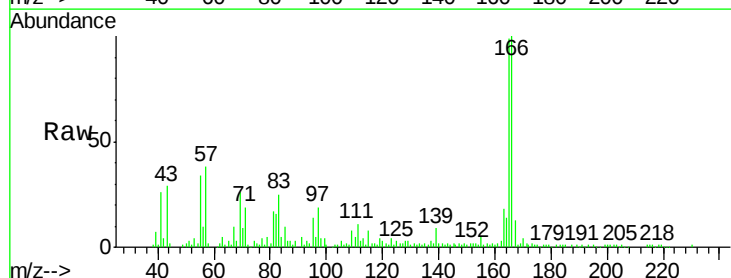
RT: 11.20 min Scan# 832

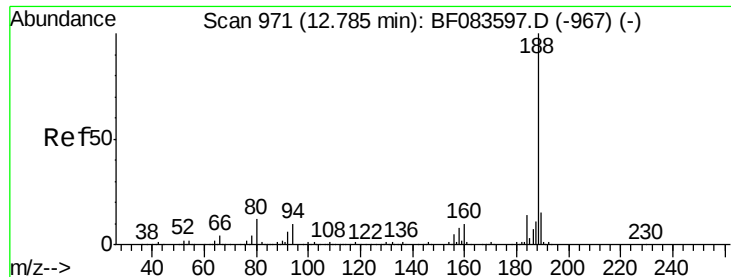
Delta R.T. -0.08 min

Lab File: BF083687.D

Acq: 10 Dec 2015 20:31

Tgt Ion	166	Resp	178396
Ion Ratio	Lower	Upper	
166	100		
165	99.1	80.0	120.0
167	13.0	10.6	16.0





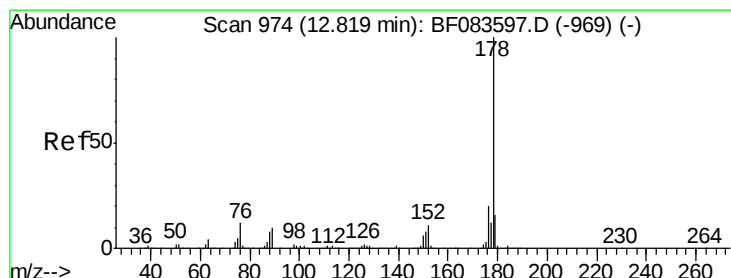
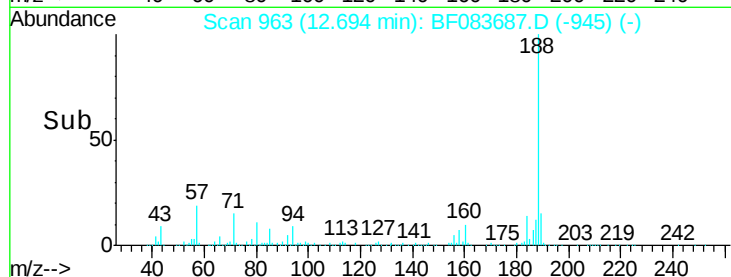
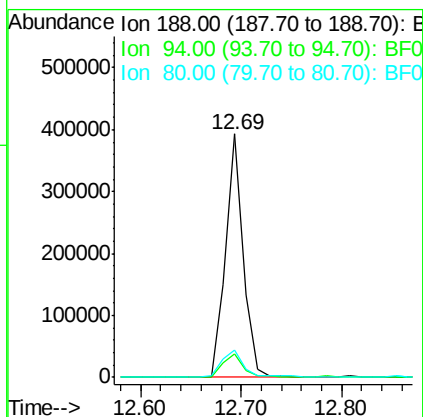
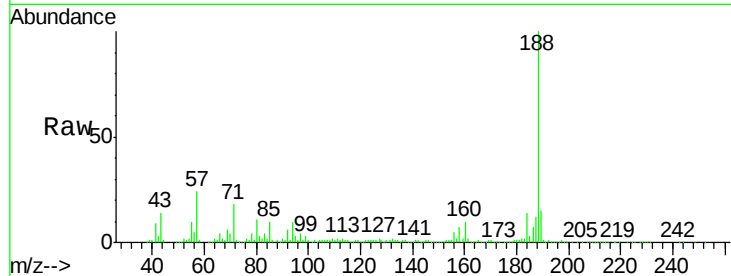
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.69 min Scan# 963
Delta R.T. -0.09 min
Lab File: BF083687.D
Acq: 10 Dec 2015 20:31

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(0-8)DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	481027		
94	9.5		9.4	14.2
80	11.0		10.6	16.0

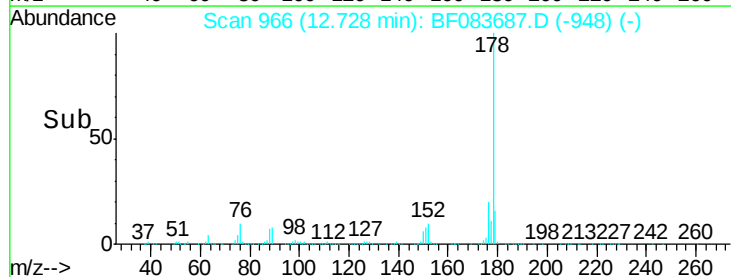
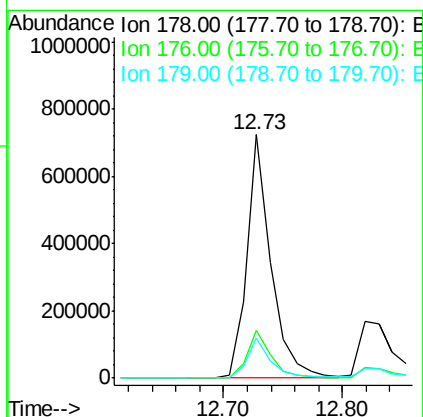
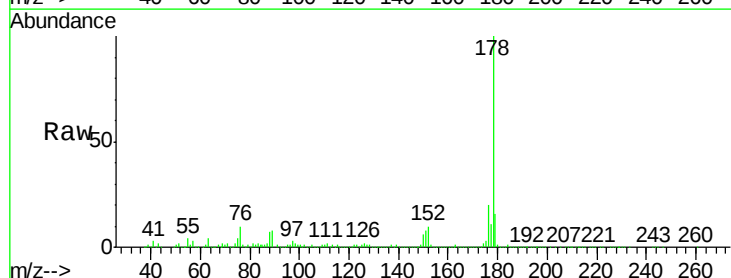
Manual Integrations
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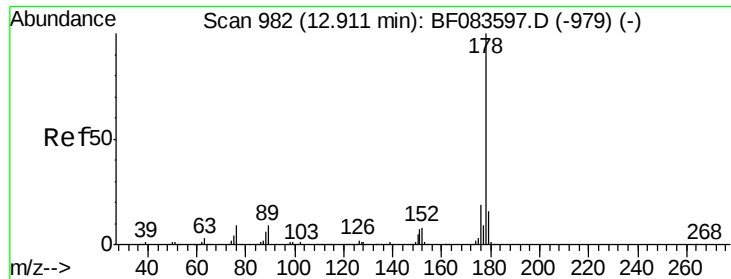
MMdadoda
12/11/2015 6:01:36 PM



#70
Phenanthrene
Concen: 36.91 ng
RT: 12.73 min Scan# 966
Delta R.T. -0.09 min
Lab File: BF083687.D
Acq: 10 Dec 2015 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1020048		
176	19.8		15.7	23.5
179	16.4		12.2	18.4





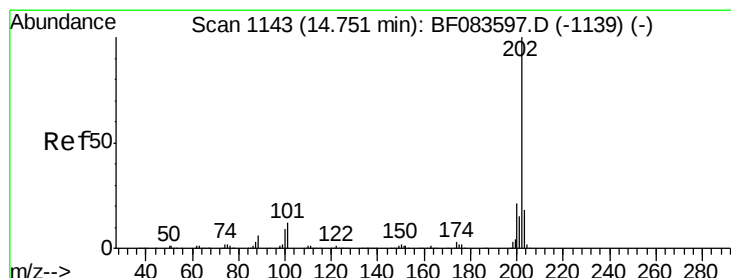
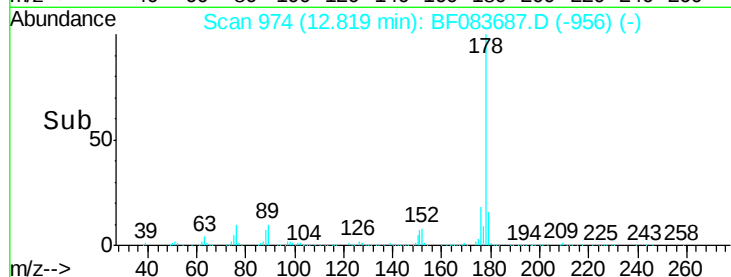
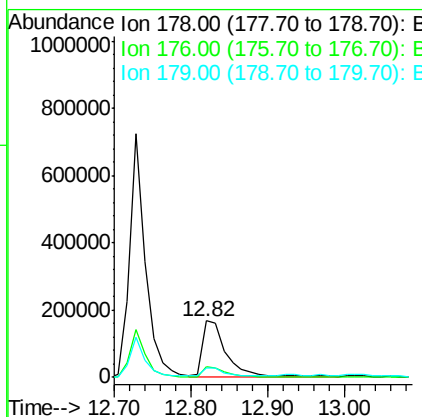
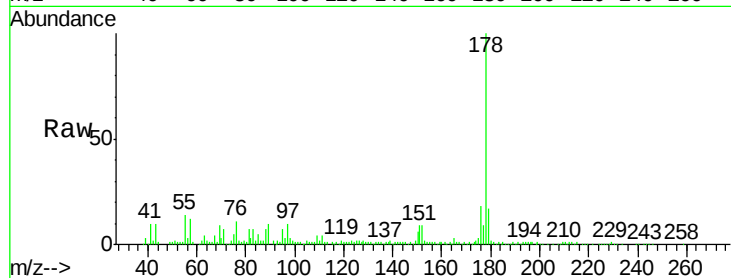
#71
 Anthracene
 Concen: 12.09 ng
 RT: 12.82 min Scan# 974
 Delta R.T. -0.09 min
 Lab File: BF083687.D
 Acq: 10 Dec 2015 20:31

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-08(0-8)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.2	22.8
179	16.9	12.6	18.8

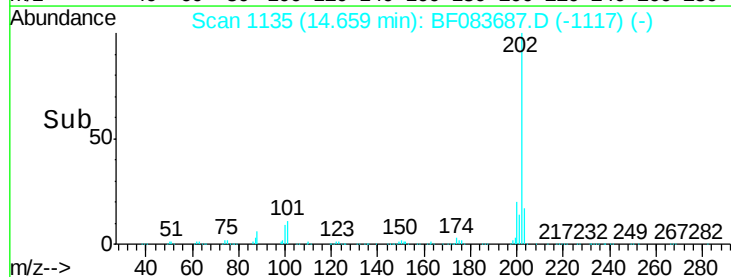
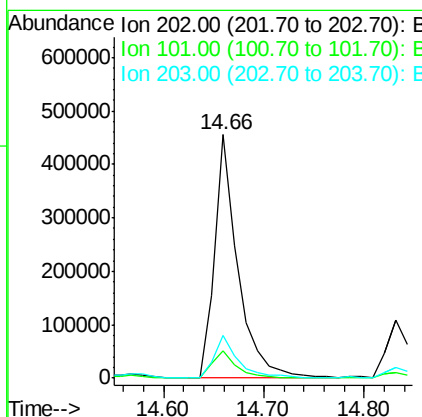
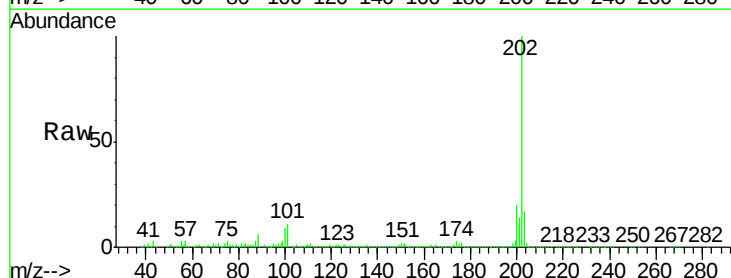
Manual Integrations
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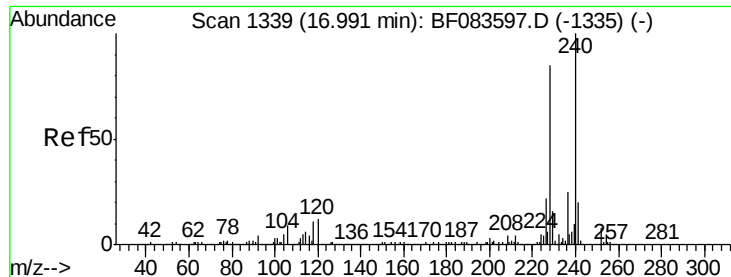
MMdadoda
 12/11/2015 6:01:36 PM



#74
 Fluoranthene
 Concen: 25.69 ng
 RT: 14.66 min Scan# 1135
 Delta R.T. -0.09 min
 Lab File: BF083687.D
 Acq: 10 Dec 2015 20:31

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.5
203	17.5	0.0	37.6





#75

Chrvsene-d12

Concen: 20.00 ng

RT: 16.91 min Scan# 1332

Delta R.T. -0.08 min

Lab File: BF083687.D

Acq: 10 Dec 2015 20:31

Instrument :

BNA_F

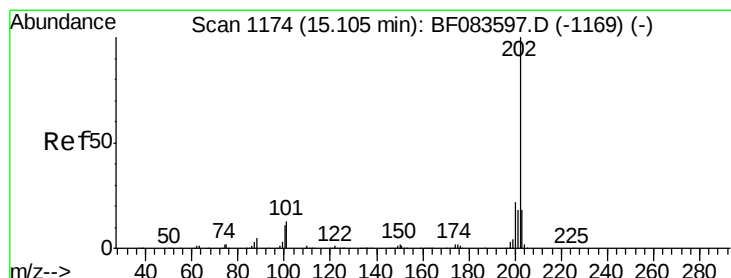
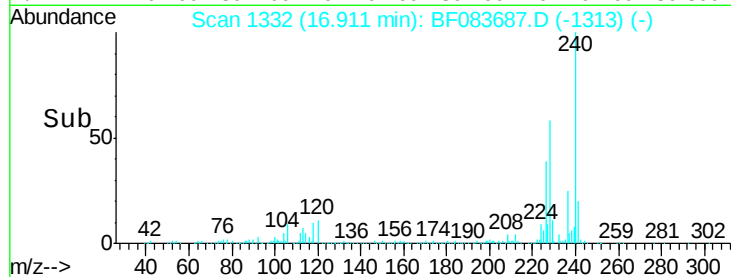
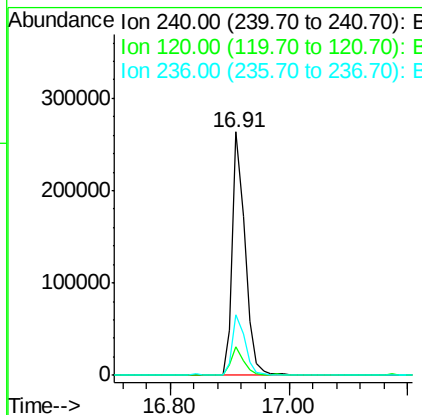
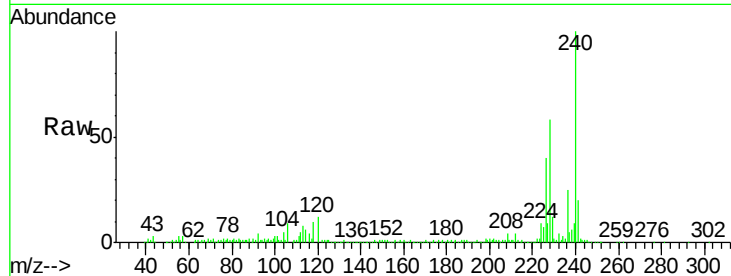
ClientSampleId :

SB-P3WC-08(0-8)DL

Tot Ion:	240	Resp:	392288
Ion Ratio	Lower	Upper	
240	100		
120	11.8	8.1	12.1
236	25.0	20.8	31.2

Manual Integrations
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#77

Pyrene

Concen: 38.11 ng

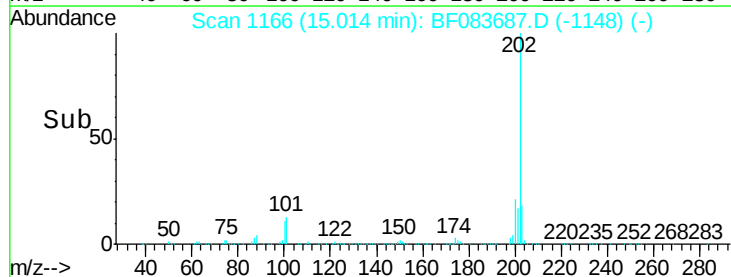
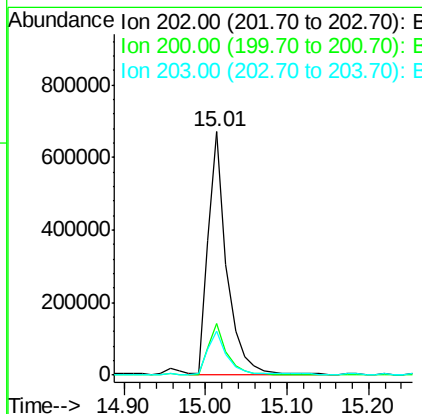
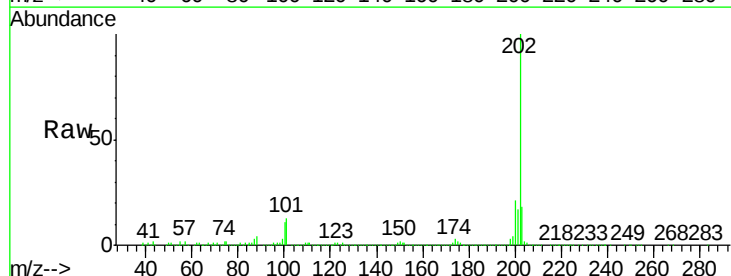
RT: 15.01 min Scan# 1166

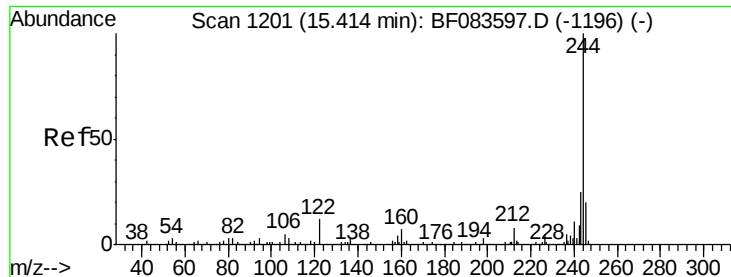
Delta R.T. -0.09 min

Lab File: BF083687.D

Acq: 10 Dec 2015 20:31

Tgt Ion:	202	Resp:	1076335
Ion Ratio	Lower	Upper	
202	100		
200	21.4	16.7	25.1
203	18.1	14.3	21.5





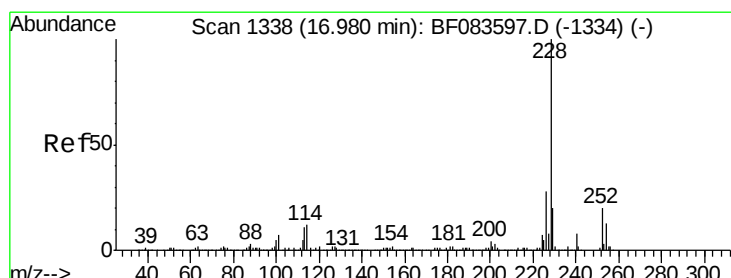
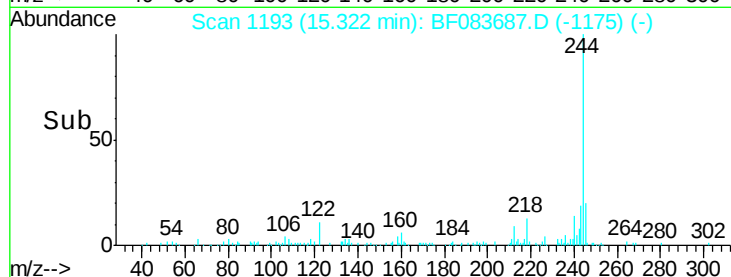
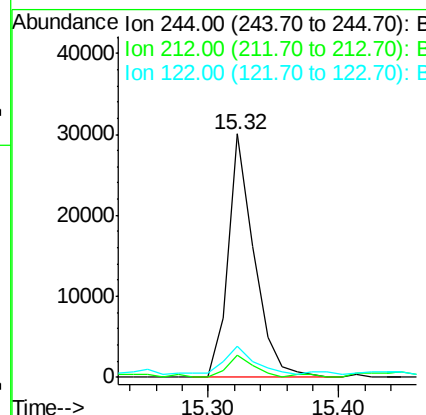
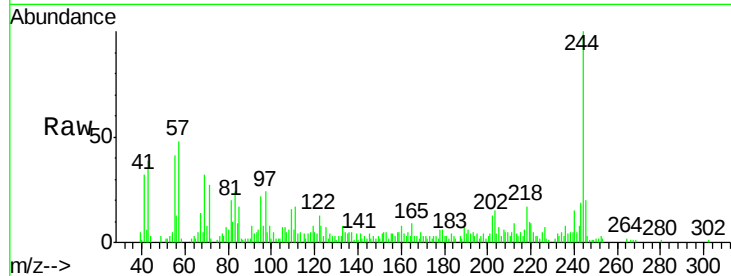
#78
 Terphenyl-d14
 Concen: 2.51 ng
 RT: 15.32 min Scan# 1193
 Delta R.T. -0.09 min
 Lab File: BF083687.D
 Acq: 10 Dec 2015 20:31

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-08(0-8)DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.0	6.1	9.1
122	12.9	11.0	16.6

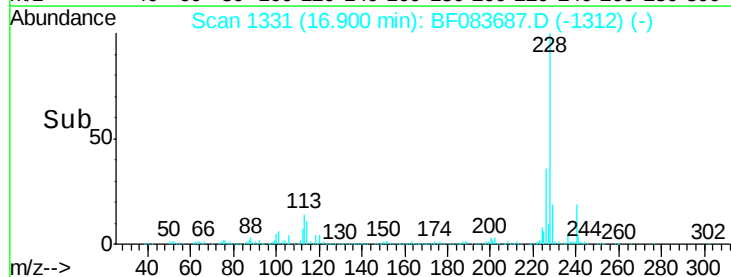
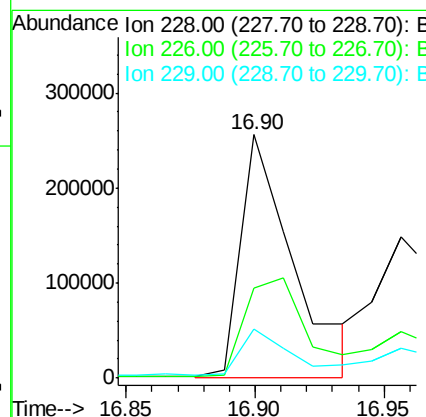
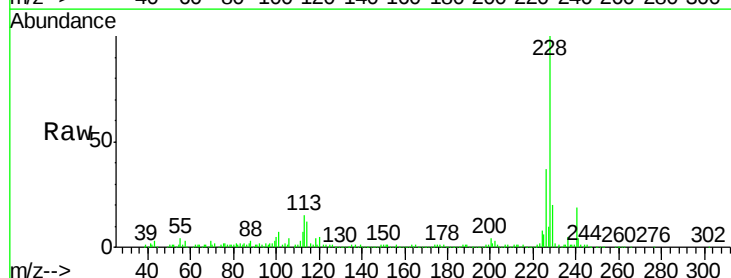
Manual Integrations
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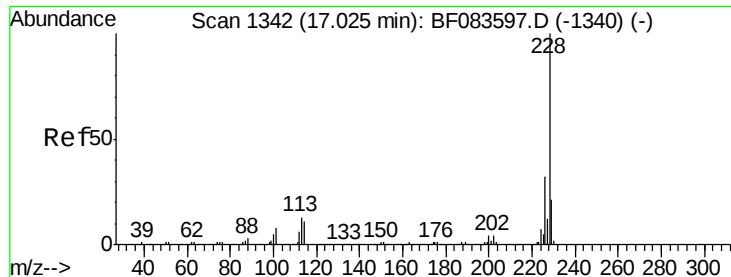
MMdadoda
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#80
 Benzo(a)anthracene
 Concen: 15.92 ng m
 RT: 16.90 min Scan# 1331
 Delta R.T. -0.08 min
 Lab File: BF083687.D
 Acq: 10 Dec 2015 20:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	37.2	22.3	33.5#
229	20.0	15.7	23.5





#82

Chrysene

Concen: 13.60 ng

RT: 16.96 min Scan# 1336

Delta R.T. -0.07 min

Lab File: BF083687.D

Acq: 10 Dec 2015 20:31

Instrument :

BNA_F

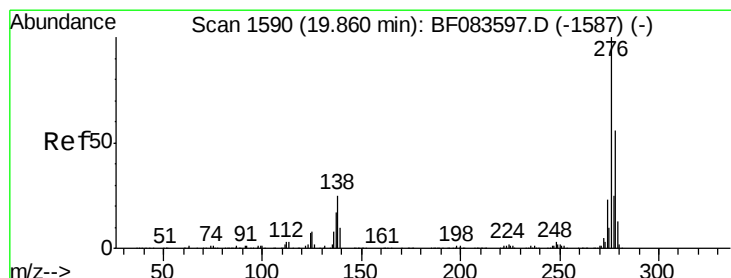
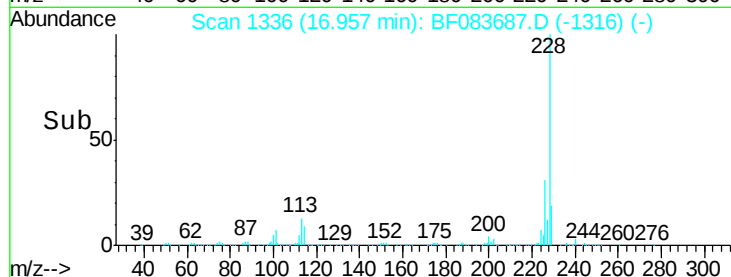
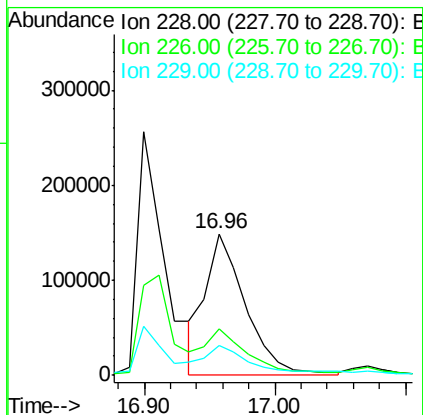
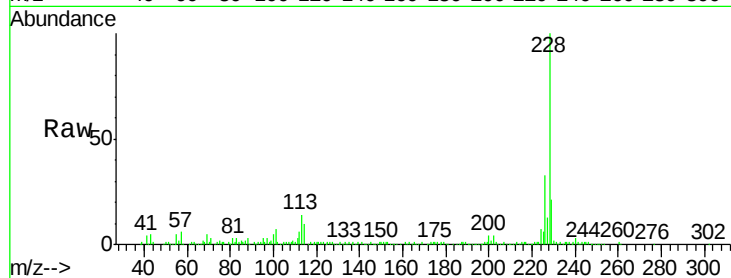
ClientSampleId :

SB-P3WC-08(0-8)DL

Tot Ion:	228	Resp:	313097
Ion Ratio	Lower	Upper	
228	100		
226	32.9	24.7	37.1
229	20.7	16.3	24.5

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 10.61 ng m

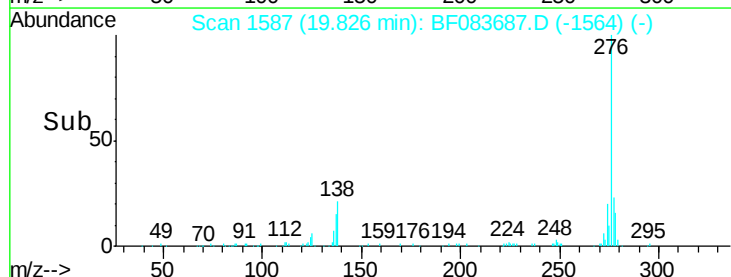
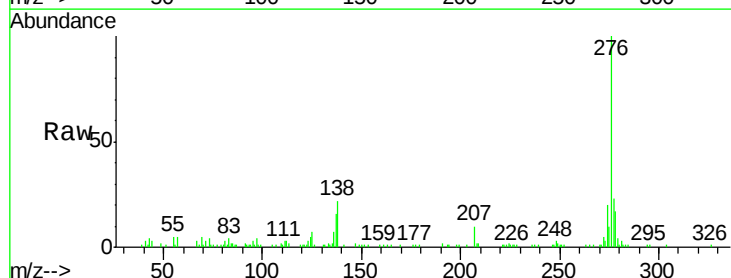
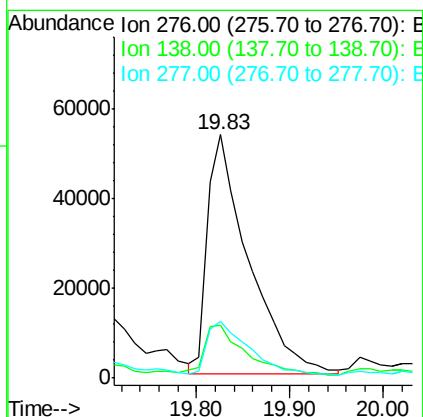
RT: 19.83 min Scan# 1587

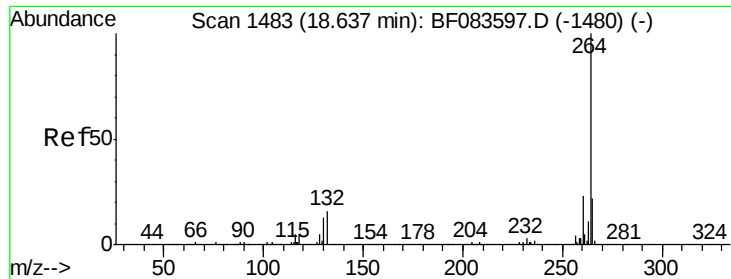
Delta R.T. -0.03 min

Lab File: BF083687.D

Acq: 10 Dec 2015 20:31

Tgt Ion:	276	Resp:	164841
Ion Ratio	Lower	Upper	
276	100		
138	3.5	0.0	0.0#
277	8.3	0.0	0.0#





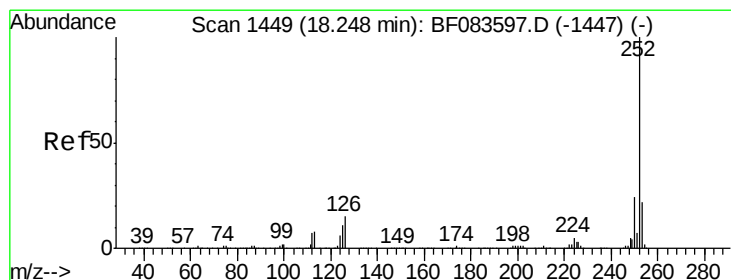
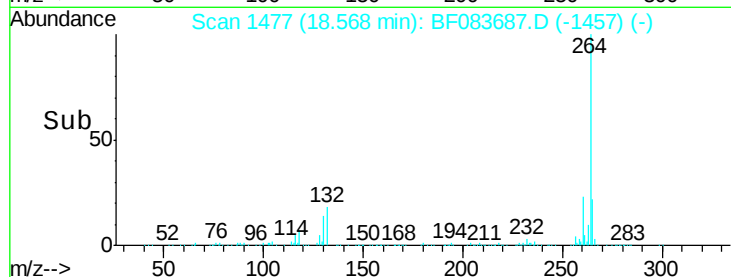
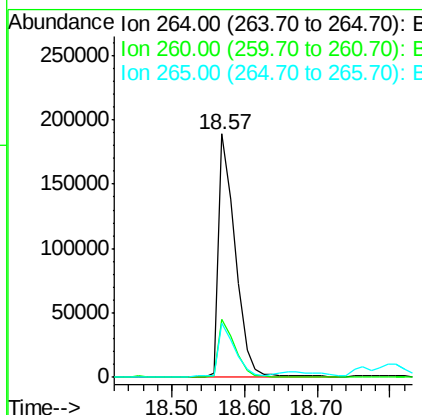
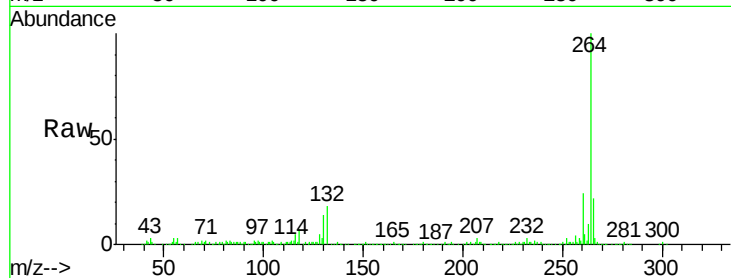
#86
Pervlene-d12
Concen: 20.00 ng
RT: 18.57 min Scan# 1477
Delta R.T. -0.07 min
Lab File: BF083687.D
Acq: 10 Dec 2015 20:31

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(0-8)DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.0
265	22.3	17.8	26.6

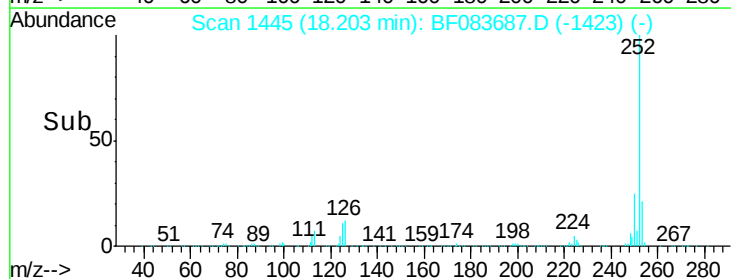
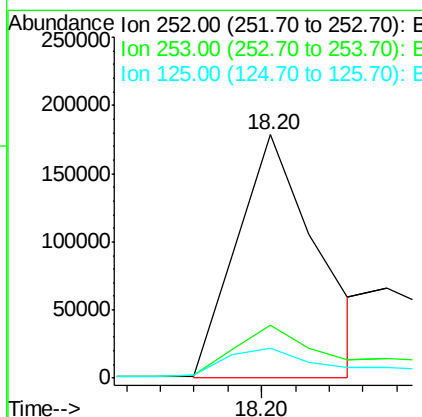
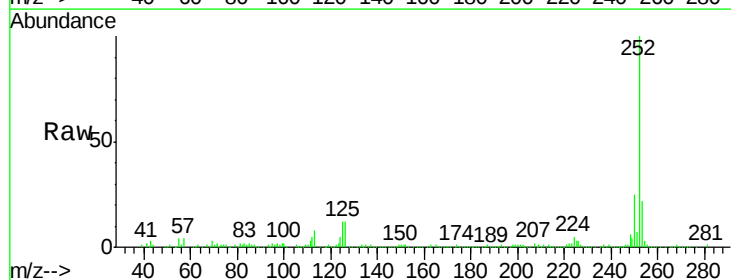
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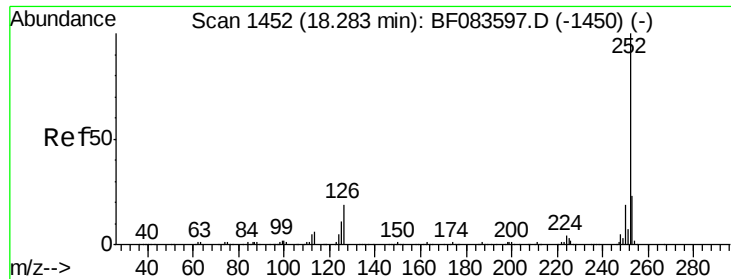
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#87
Benzo(b)fluoranthene
Concen: 17.06 ng m
RT: 18.20 min Scan# 1445
Delta R.T. -0.05 min
Lab File: BF083687.D
Acq: 10 Dec 2015 20:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.4
125	12.3	8.2	12.4





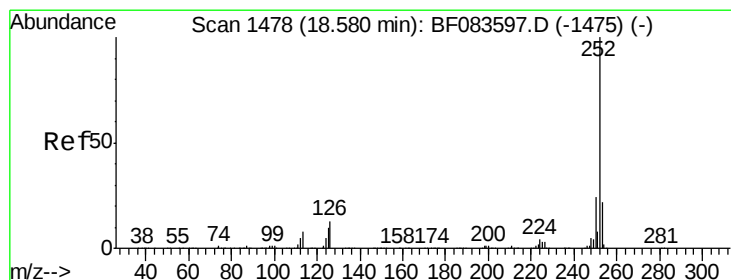
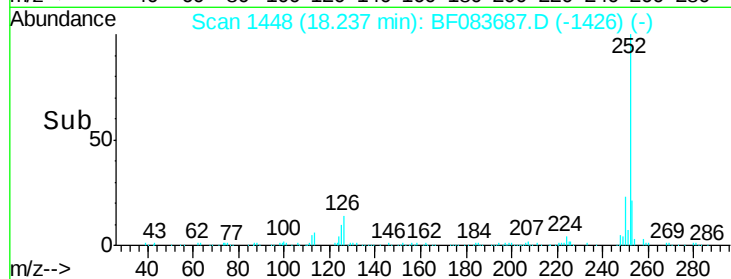
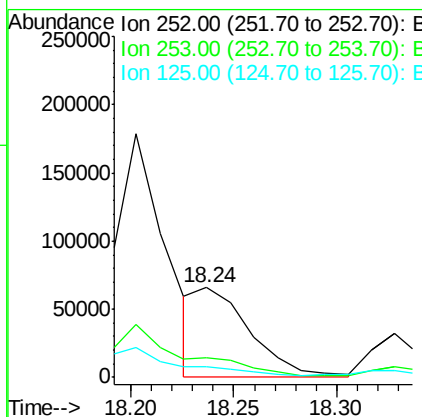
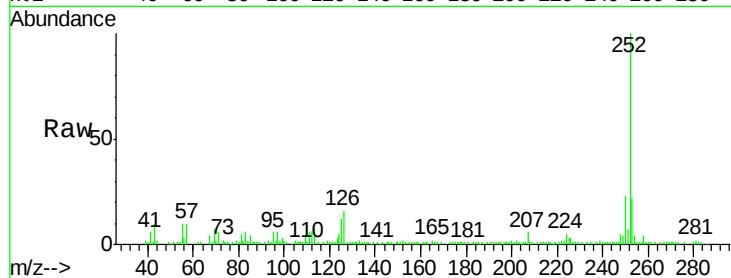
#88
Benzo(k)fluoranthene
Concen: 6.24 ng m
RT: 18.24 min Scan# 1448
Delta R.T. -0.05 min
Lab File: BF083687.D
Acq: 10 Dec 2015 20:31

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(0-8)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.6	27.8
125	12.5	11.5	17.3

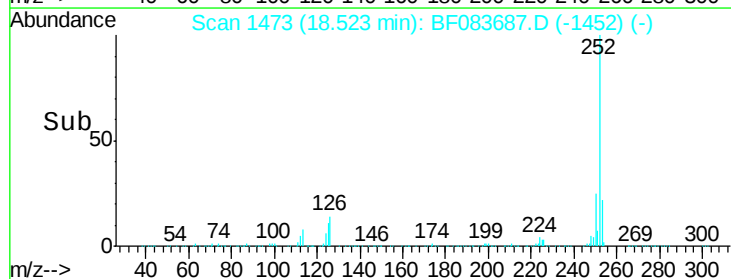
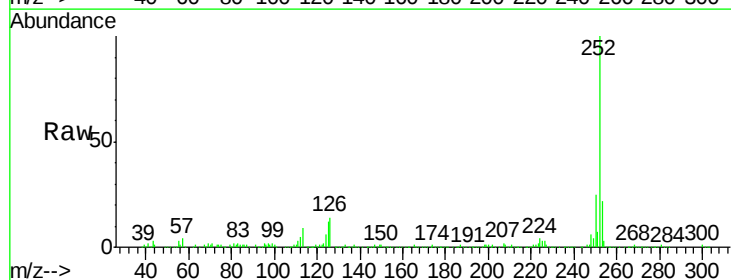
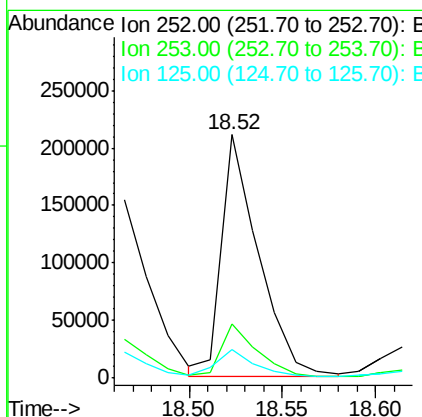
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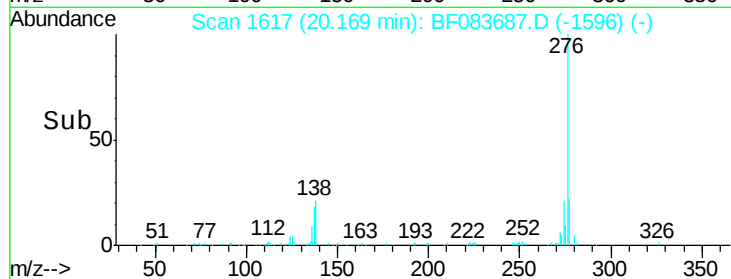
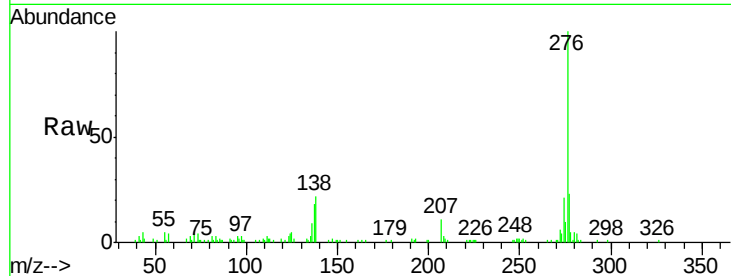
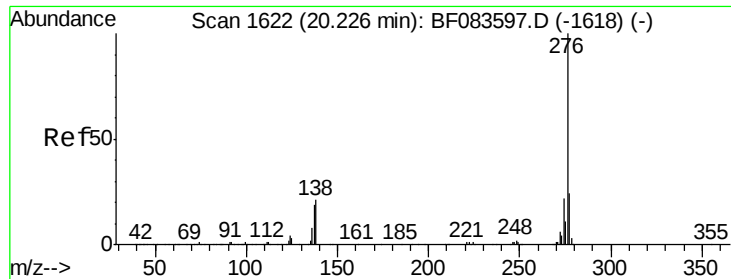
MMdadoda
12/11/2015 6:01:36 PM



#89
Benzo(a)pyrene
Concen: 17.17 ng
RT: 18.52 min Scan# 1473
Delta R.T. -0.06 min
Lab File: BF083687.D
Acq: 10 Dec 2015 20:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	11.5	11.0	16.6





#91

Benzo(a,h,i)perylene

Concen: 15.12 ng

RT: 20.17 min Scan# 1617

Delta R.T. -0.06 min

Lab File: BF083687.D

Acq: 10 Dec 2015 20:31

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-08(0-8)DL

Tot Ion:	276	Resp:	191400
Ion Ratio	Lower	Upper	
276	100		
277	22.9	19.2	28.8
138	22.2	19.5	29.3

Manual Integrations
APPROVED

MMdadoda
12/11/2015 6:01:36 PM

