

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090617\
 Data File : BF098280.D
 Acq On : 6 Sep 2017 18:46
 Operator : SJ/JU
 Sample : I5084-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP9-WC1

Manual Integrations
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 9/7/2017 5:44:29 PM

Quant Time: Sep 07 13:48:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 17:28:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	112800	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	450590	20.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	204326	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	321820	20.00	ng	-0.01
75) Chrysene-d12	13.85	240	226674	20.00	ng	-0.01
86) Perylene-d12	15.26	264	207917	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	816883	110.15	ng	0.00
7) Phenol-d6	6.34	99	1121165	111.27	ng	-0.01
23) Nitrobenzene-d5	7.26	82	679685	81.95	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	194158	109.52	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	963505	69.28	ng	-0.01
78) Terphenyl-d14	12.80	244	624192	57.42	ng	-0.01
Target Compounds						
10) Phenol	6.35	94	25136	2.133	ng	Qvalue 84
31) Naphthalene	8.00	128	119754	5.119	ng	# 97
48) Acenaphthylene	9.59	152	135087	6.248	ng	99
49) Dimethylphthalate	9.45	163	156070	10.450	ng	# 96
51) Acenaphthene	9.76	154	32804	2.406	ng	99
57) Fluorene	10.27	166	37885	2.681	ng	97
70) Phenanthrene	11.23	178	233149	13.596	ng	100
71) Anthracene	11.29	178	103902	5.974	ng	99
74) Fluoranthene	12.43	202	710086	39.671	ng	97
77) Pyrene	12.66	202	747172	40.302	ng	99
80) Benzo(a)anthracene	13.84	228	400015	29.444	ng	99
82) Chrysene	13.87	228	341635	25.279	ng	97
83) Bis(2-ethylhexyl)phthalate	13.83	149	36741m	4.665	ng	
85) Indeno(1,2,3-cd)pyrene	16.62	276	161738m	16.269	ng	
87) Benzo(b)fluoranthene	14.86	252	464448m	35.439	ng	
88) Benzo(k)fluoranthene	14.89	252	137793m	11.191	ng	
89) Benzo(a)pyrene	15.20	252	326770	28.165	ng	98
90) Dibenzo(a,h)anthracene	16.62	278	41986	4.445	ng	93
91) Benzo(a,h,i)perylene	17.03	276	159251	16.158	ng	95

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

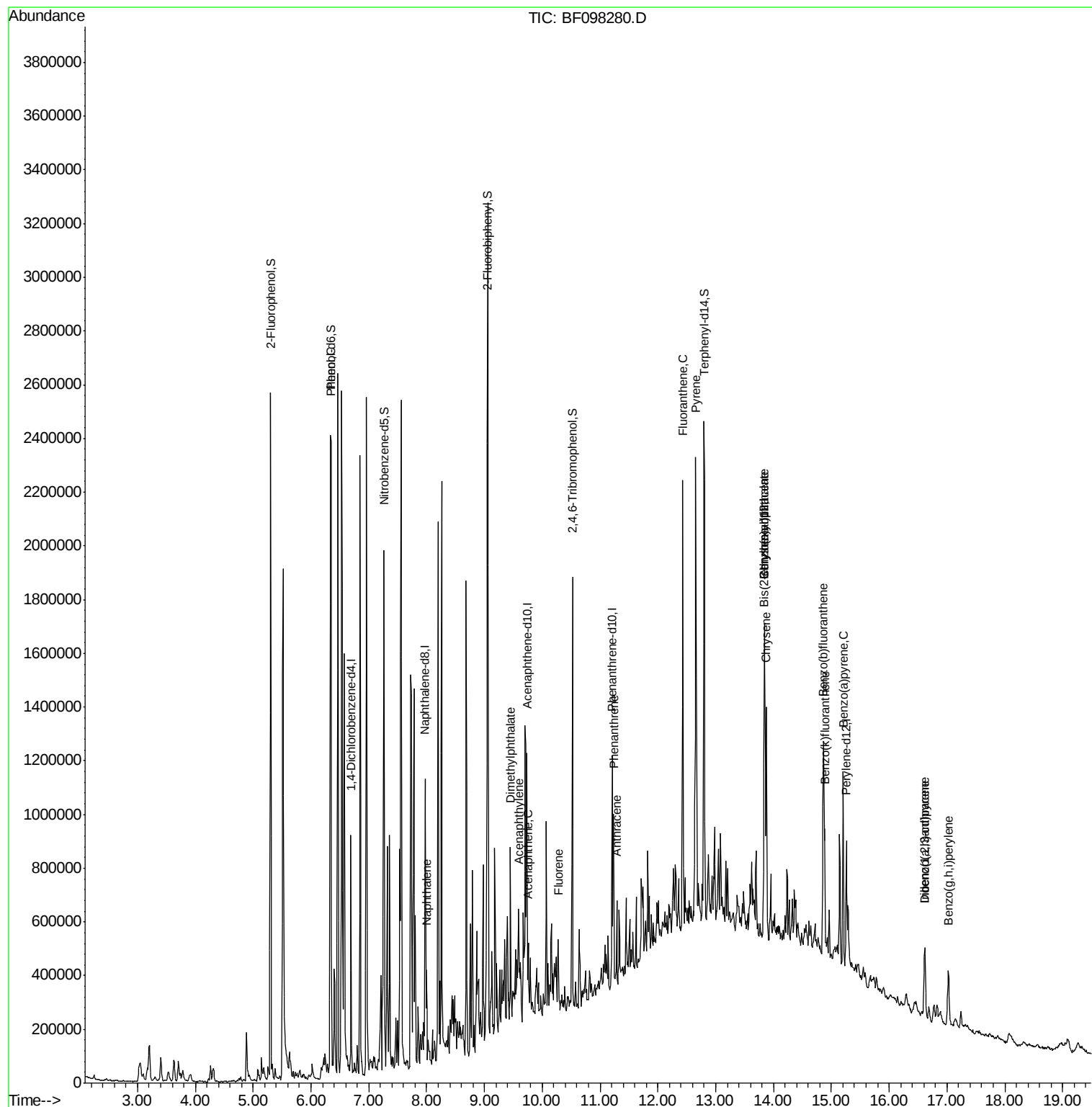
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090617\
Data File : BF098280.D
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Sample : I5084-01
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ALS Vial : 8 Sample Multiplier: 1

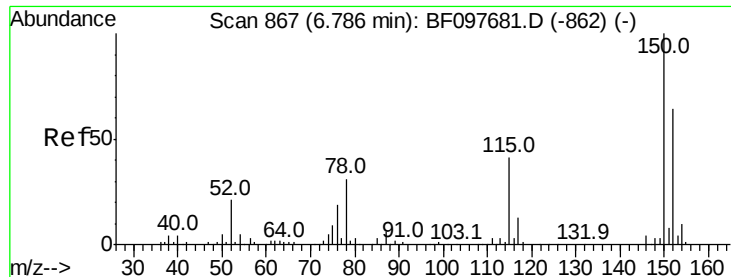
Instrument :
BNA_F
ClientSampleId :
TP9-WC1

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9/7/2017 5:44:29 PM

Quant Time: Sep 07 13:48:00 2017
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Response via : Initial Calibration





#1

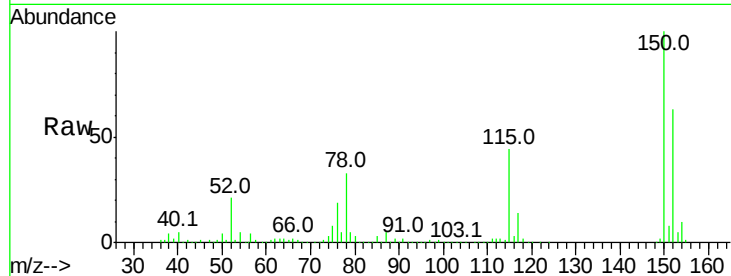
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF098280.D
Acq: 6 Sep 2017 18:46

Instrument :
BNA_F
ClientSampled :
TP9-WC1

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	126.2	189.2
115	69.4	52.2	78.2

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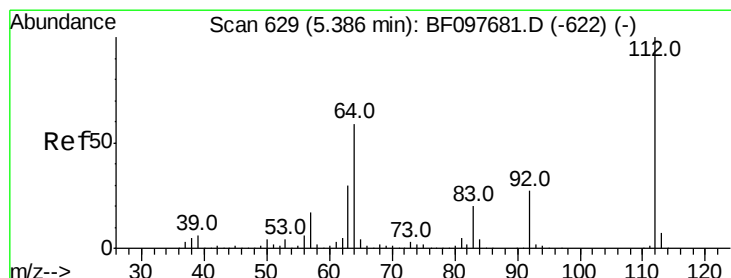
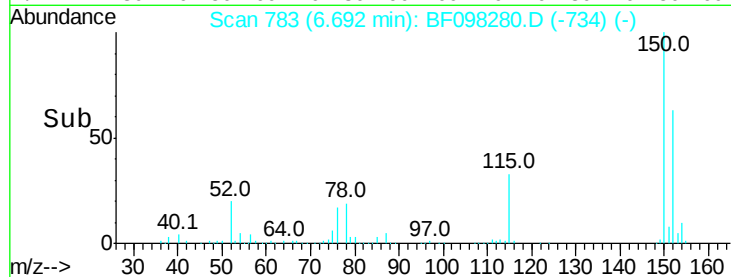
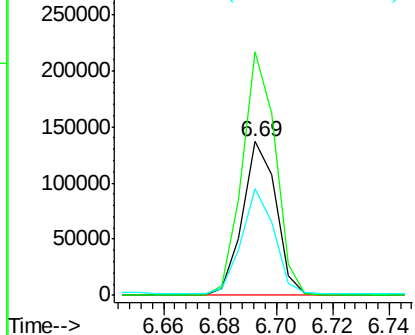


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

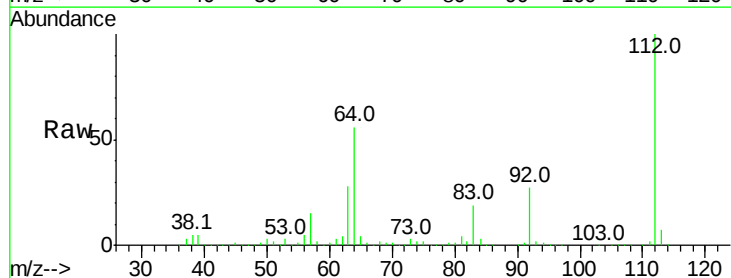
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 110.154 ng
RT: 5.30 min Scan# 547
Delta R.T. 0.00 min
Lab File: BF098280.D
Acq: 6 Sep 2017 18:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	46.0	69.0
63	28.2	23.4	35.0

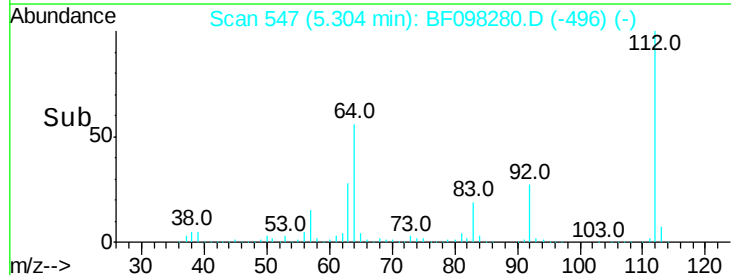
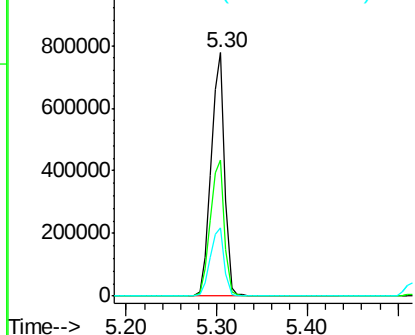


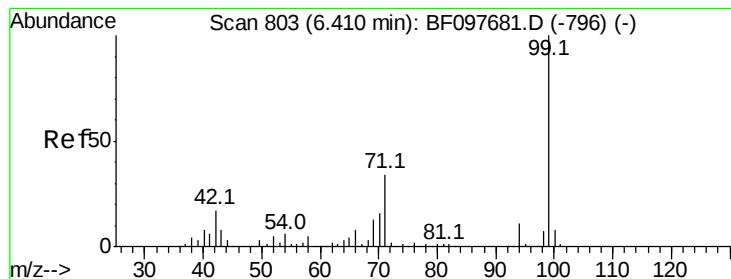
Abundance

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





#7

Phenol-d6

Concen: 111.271 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF098280.D

Acq: 6 Sep 2017 18:46

Instrument :

BNA_F

ClientSampleId :

TP9-WC1

Tot Ion: 99 Resp: 1121165

Ion Ratio Lower Upper

99 100

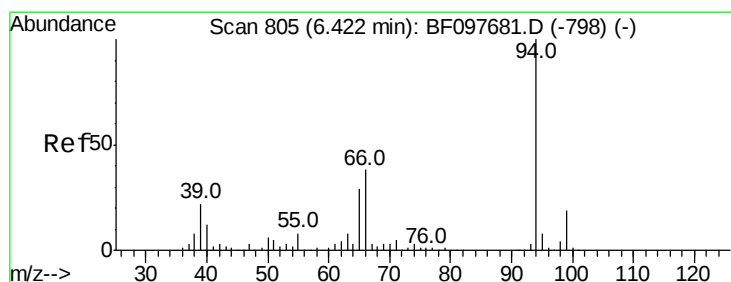
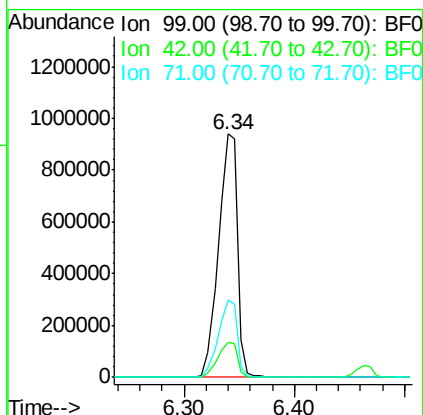
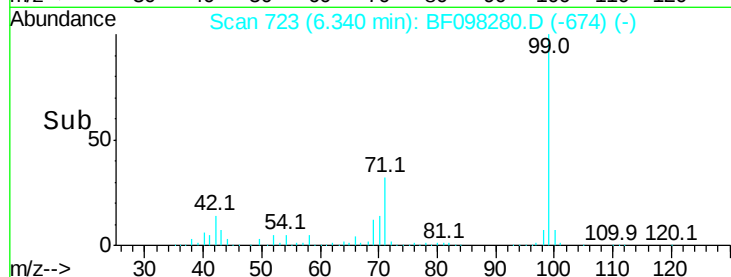
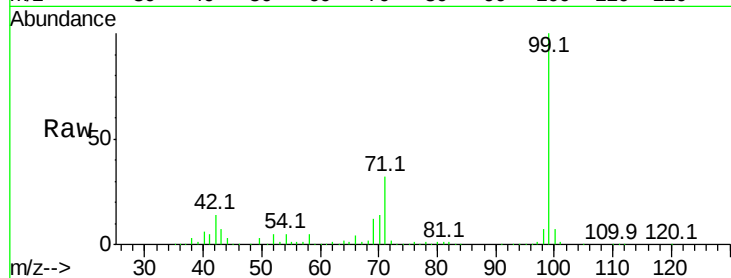
42 14.5 13.5 20.3

71 31.6 24.5 36.7

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#10

Phenol

Concen: 2.133 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF098280.D

Acq: 6 Sep 2017 18:46

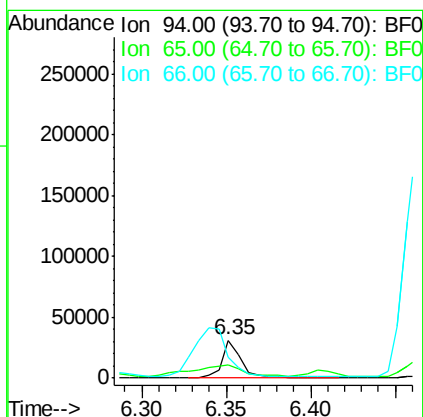
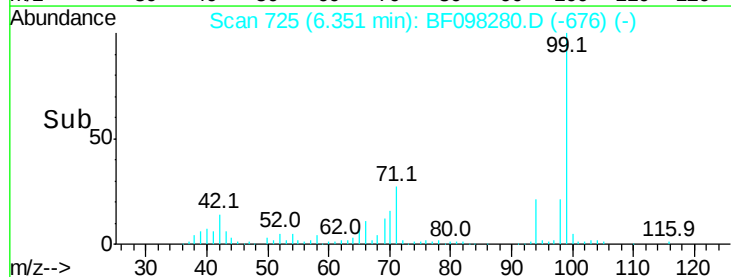
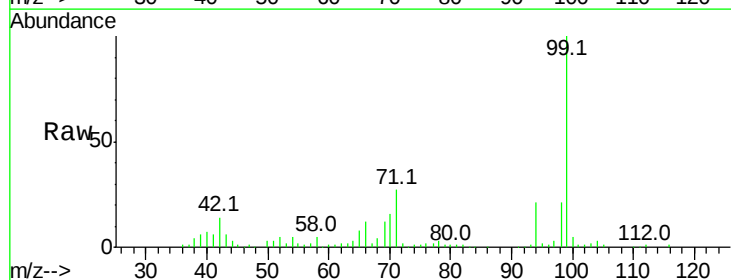
Tgt Ion: 94 Resp: 25136

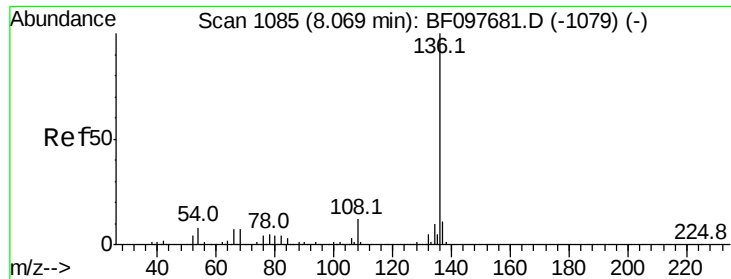
Ion Ratio Lower Upper

94 100

65 35.7 9.9 49.9

66 55.4 23.1 63.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF098280.D

Acq: 6 Sep 2017 18:46

Instrument :

BNA_F

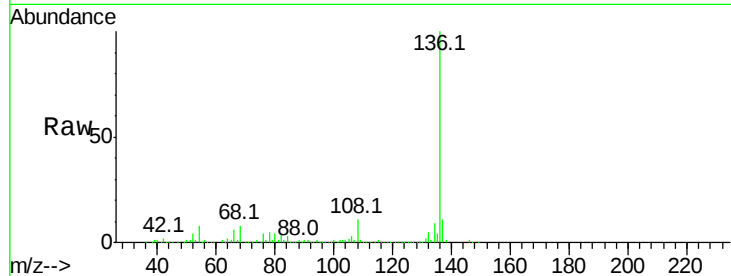
ClientSampleId :

TP9-WC1

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.3	8.5	12.7
54	8.2	4.9	7.3#
68	7.9	4.1	6.1#

Manual Integrations
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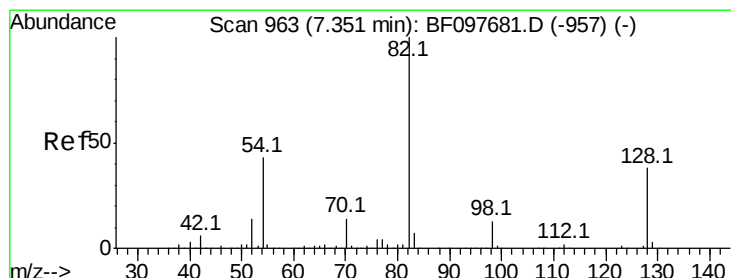
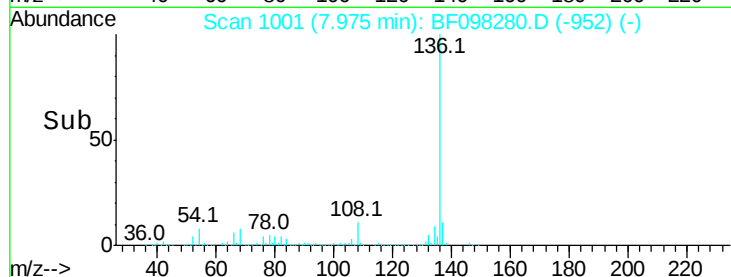
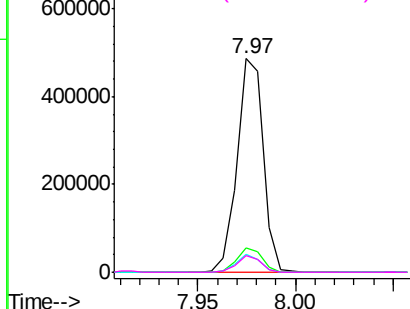


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 81.945 ng

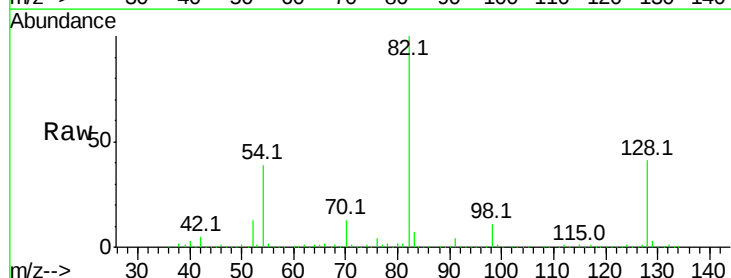
RT: 7.26 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF098280.D

Acq: 6 Sep 2017 18:46

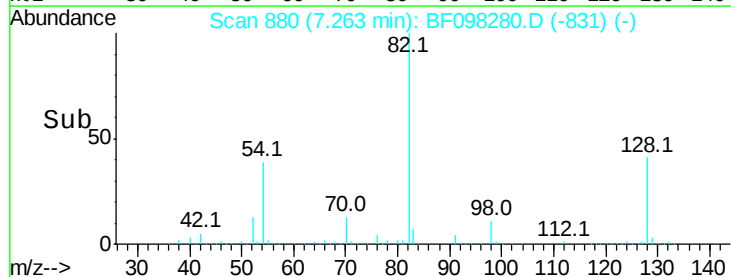
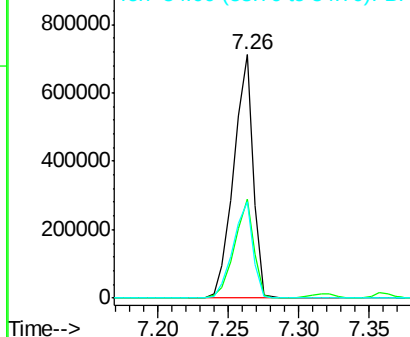
Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	40.5	34.0	51.0
54	39.4	42.2	63.2#

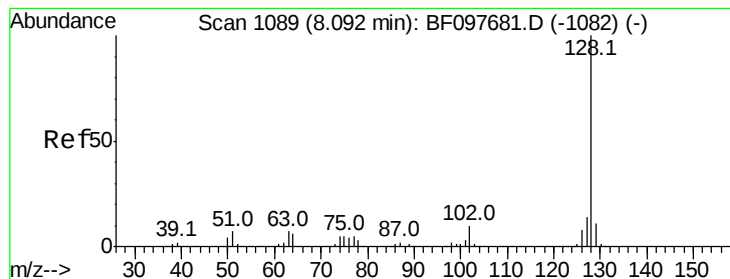


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 5.119 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF098280.D

Acq: 6 Sep 2017 18:46

Instrument :

BNA_F

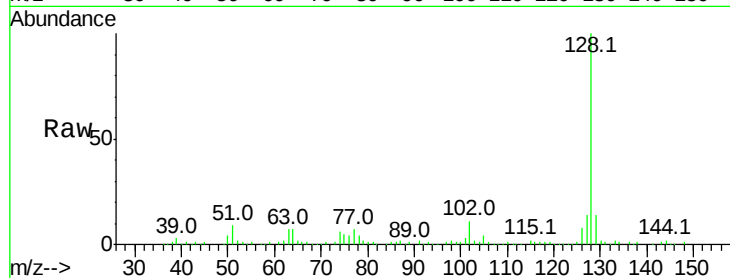
ClientSampleId :

TP9-WC1

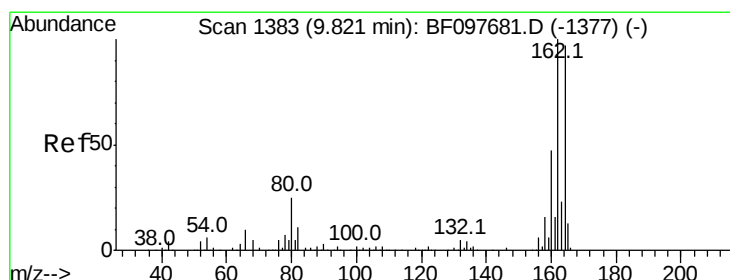
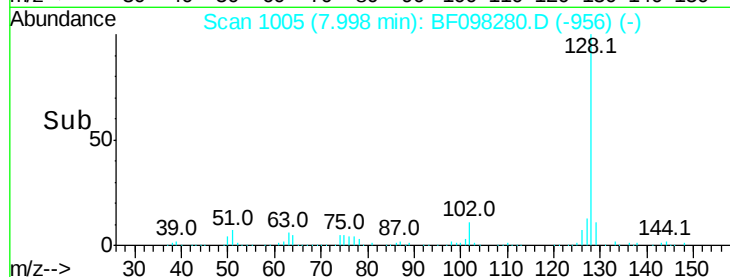
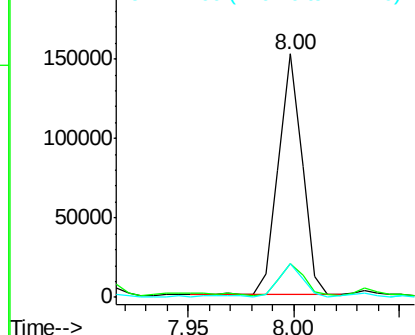
Tot Ion:	128	Resp:	119754
Ion Ratio	Lower	Upper	
128	100		
129	13.9	9.0	13.6#
127	13.6	10.8	16.2

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

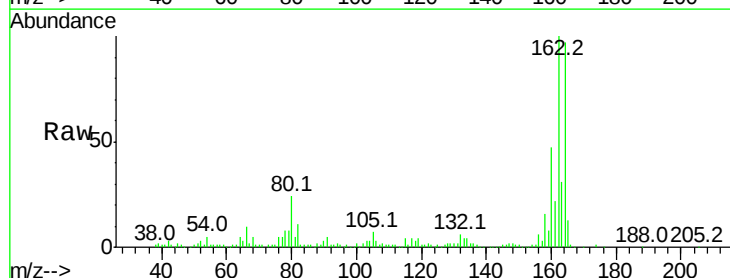
RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

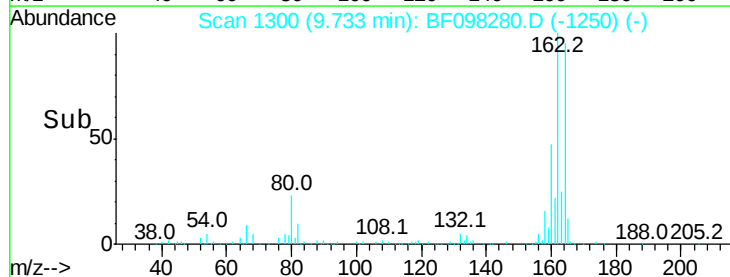
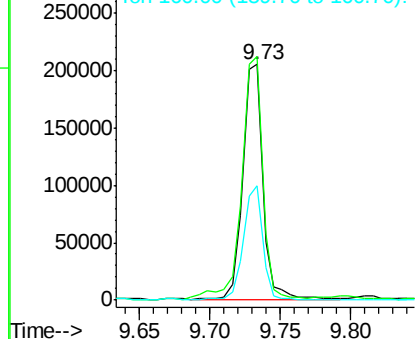
Lab File: BF098280.D

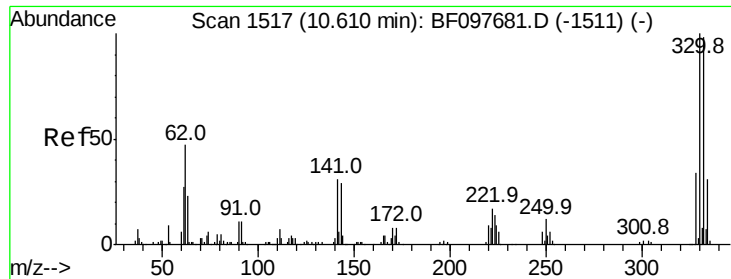
Acq: 6 Sep 2017 18:46

Tgt Ion:	164	Resp:	204326
Ion Ratio	Lower	Upper	
164	100		
162	103.4	82.6	123.8
160	48.4	36.2	54.2



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





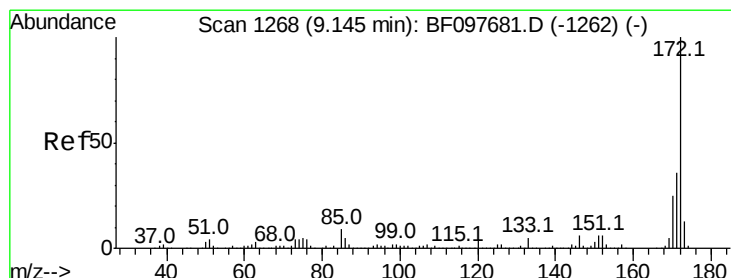
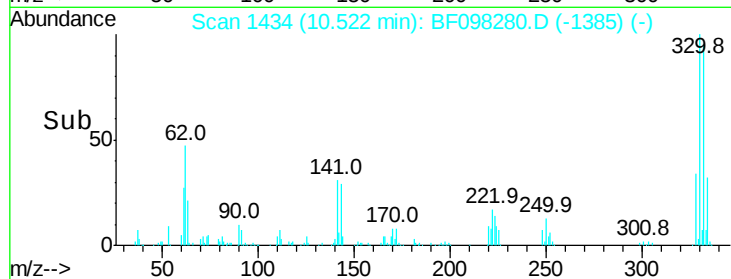
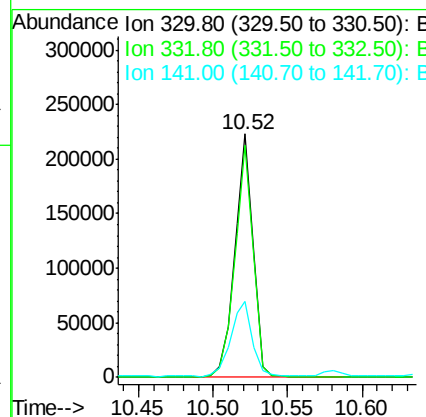
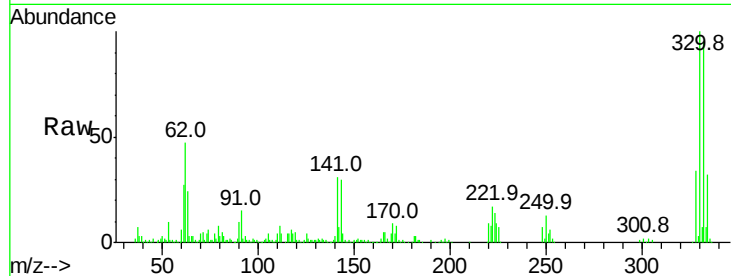
#41
 2,4,6-Tribromophenol
 Concen: 109.517 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF098280.D
 Acq: 6 Sep 2017 18:46

Instrument :
 BNA_F
 ClientSampleId :
 TP9-WC1

Tot Ion	Ratio	Resp	Lower	Upper
330	100	194158		
332	95.7	76.6	115.0	
141	36.2	31.4	47.2	

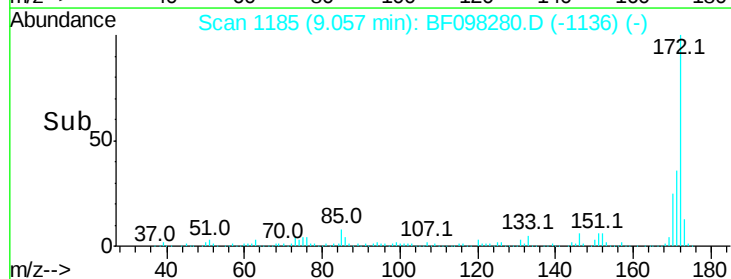
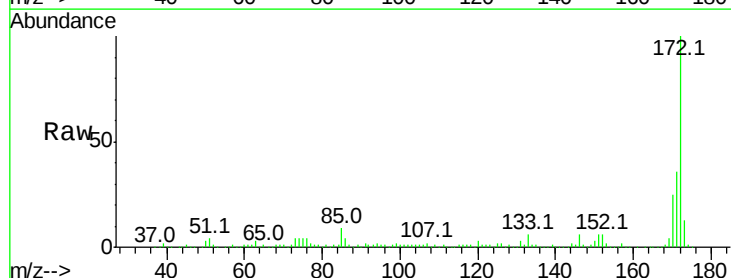
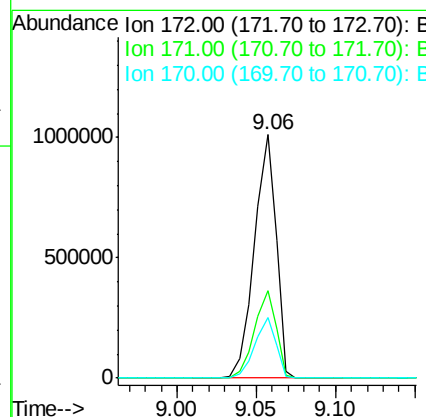
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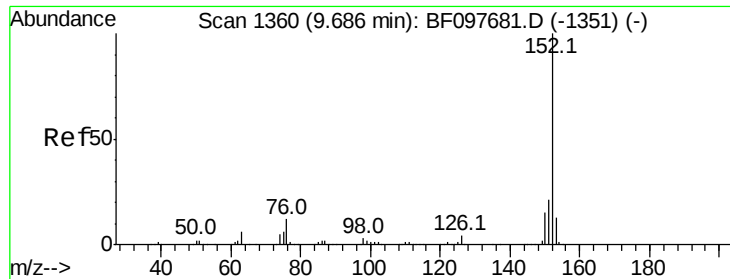
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#44
 2-Fluorobiphenyl
 Concen: 69.281 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF098280.D
 Acq: 6 Sep 2017 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	963505		
171	36.0	29.6	44.4	
170	24.7	19.8	29.8	





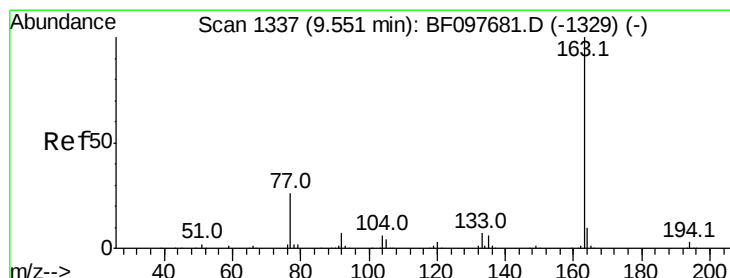
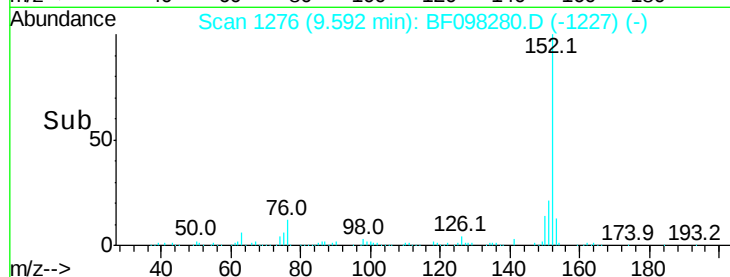
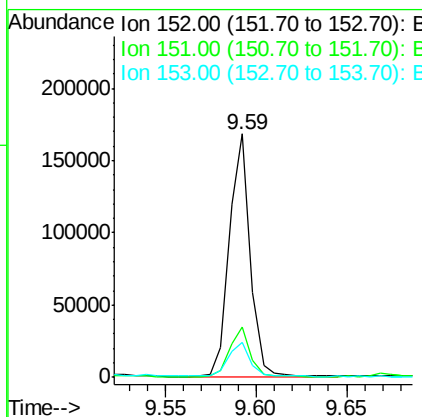
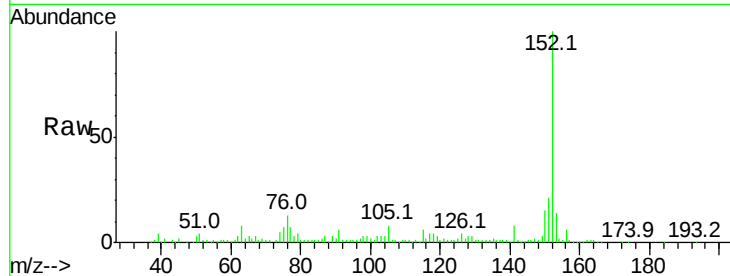
#48
Acenaphthylene
Concen: 6.248 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.01 min
Lab File: BF098280.D
Acq: 6 Sep 2017 18:46

Instrument :
BNA_F
ClientSampled :
TP9-WC1

Tot Ion	Ratio	Resp	Lower	Upper
152	100	135087		
151	20.6		16.8	25.2
153	14.1		10.8	16.2

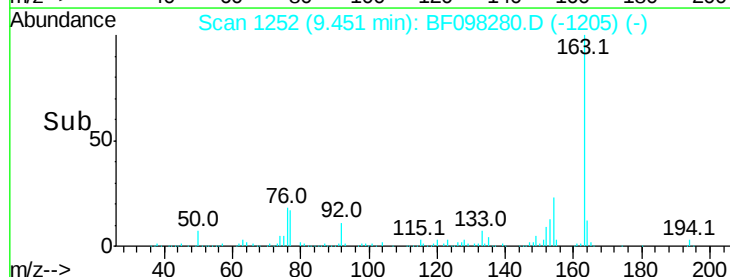
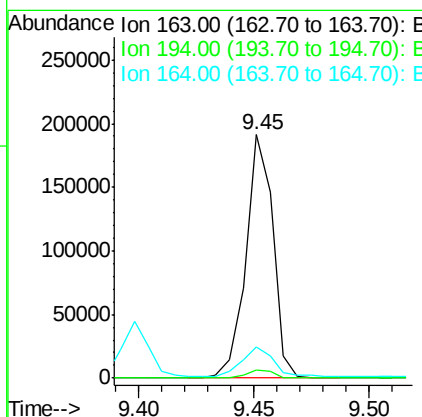
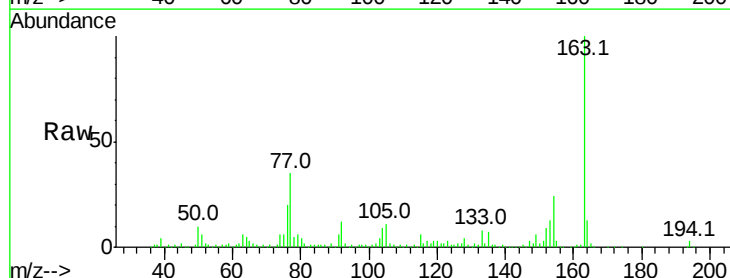
Manual Integrations
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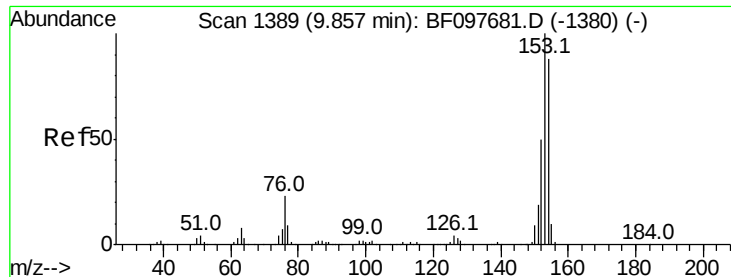
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#49
Dimethylphthalate
Concen: 10.450 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF098280.D
Acq: 6 Sep 2017 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	156070		
194	3.3		2.6	4.0
164	12.6		8.4	12.6#





#51

Acenaphthene

Concen: 2.406 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF098280.D

Acq: 6 Sep 2017 18:46

Instrument :

BNA_F

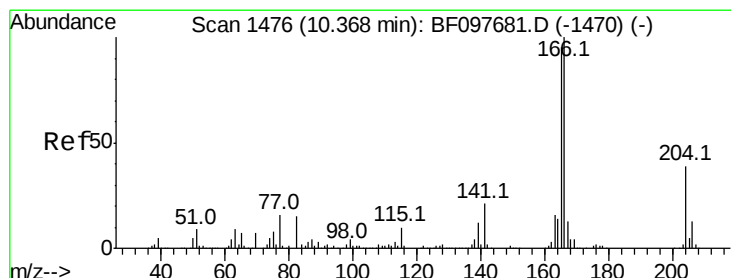
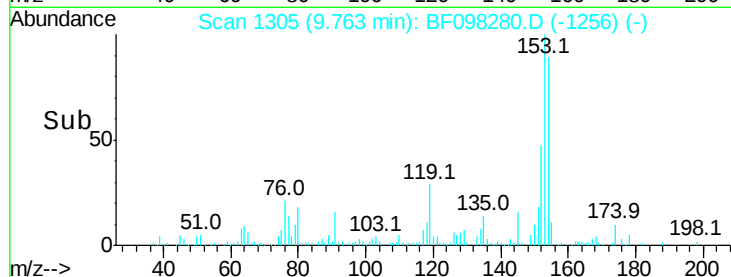
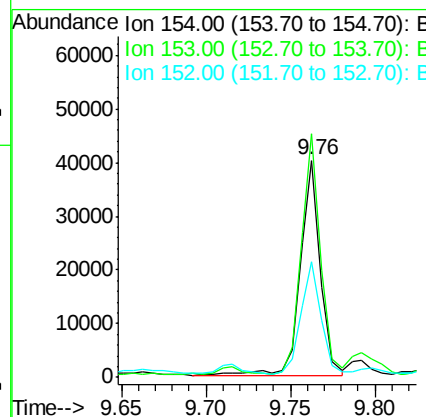
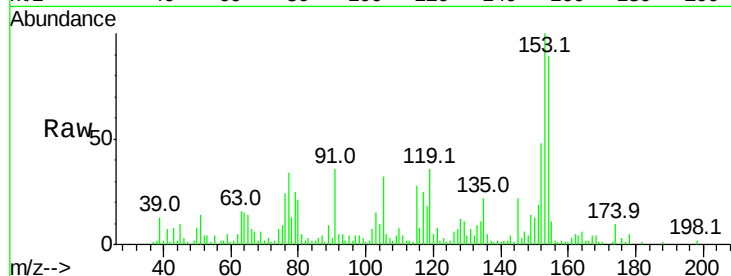
ClientSampleId :

TP9-WC1

Tot Ion:	154	Resp:	32804
Ion	Ratio	Lower	Upper
154	100		
153	112.0	90.5	135.7
152	53.4	43.6	65.4

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#57

Fluorene

Concen: 2.681 ng

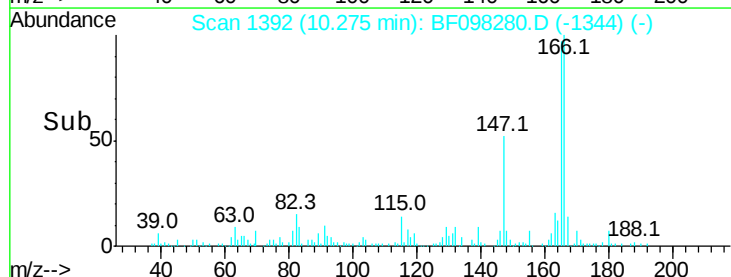
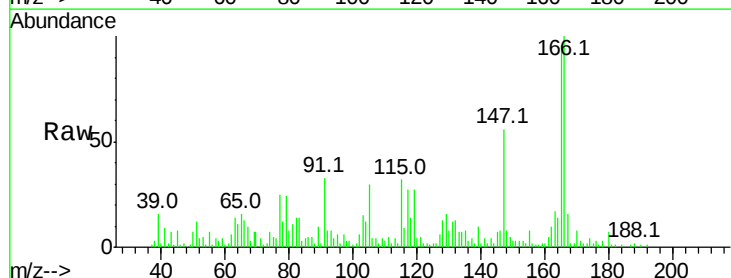
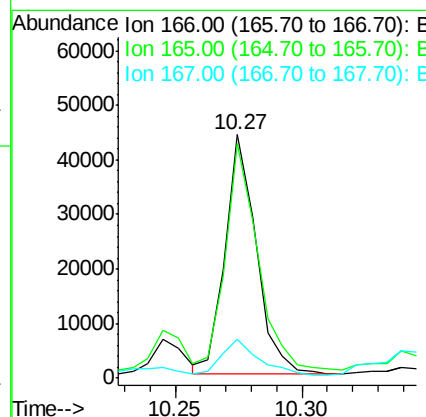
RT: 10.27 min Scan# 1392

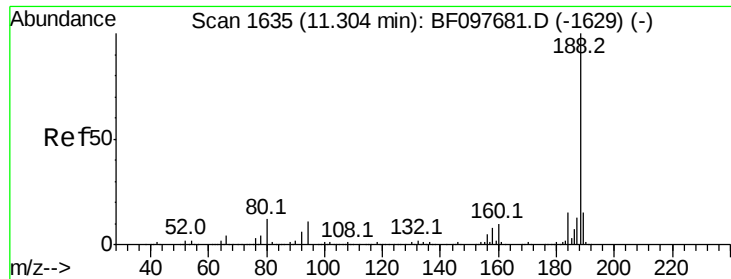
Delta R.T. -0.02 min

Lab File: BF098280.D

Acq: 6 Sep 2017 18:46

Tgt Ion:	166	Resp:	37885
Ion	Ratio	Lower	Upper
166	100		
165	96.5	78.8	118.2
167	15.9	10.6	16.0





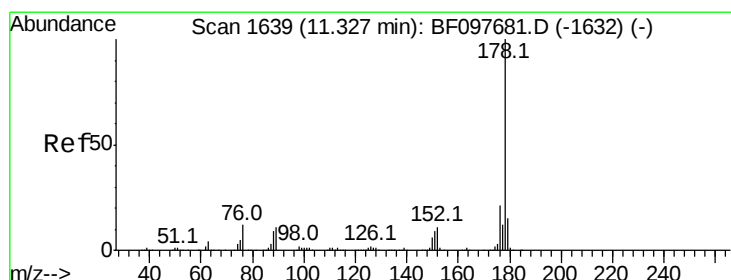
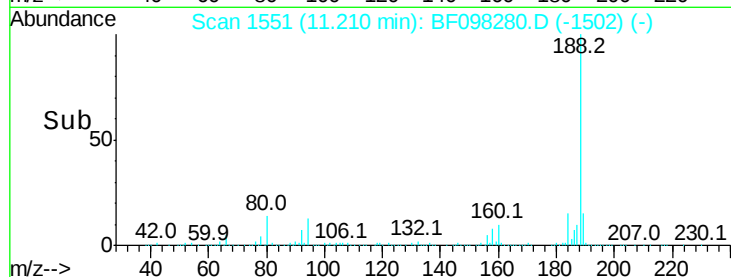
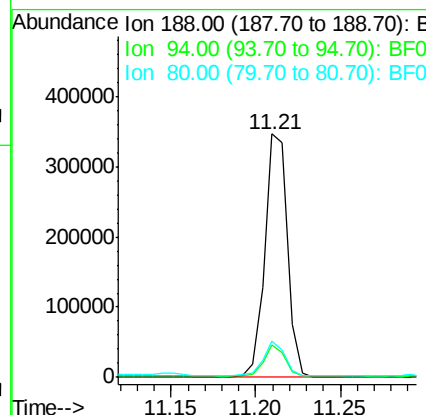
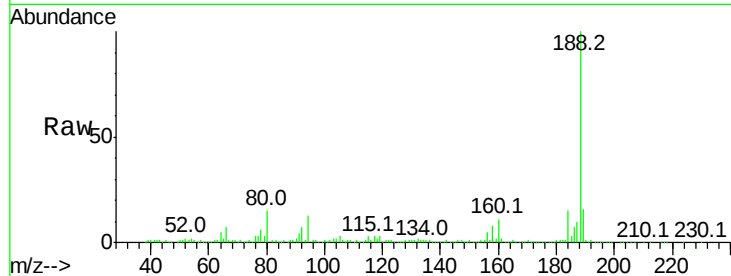
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF098280.D
Acq: 6 Sep 2017 18:46

Instrument :
BNA_F
ClientSampleId :
TP9-WC1

Tot Ion	Ratio	Resp	Lower	Upper
188	100	321820		
94	13.4		9.4	14.2
80	15.1		10.2	15.2

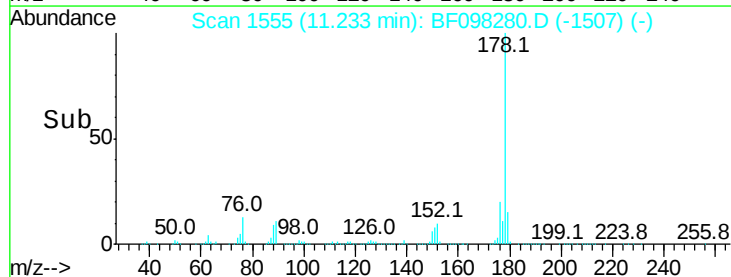
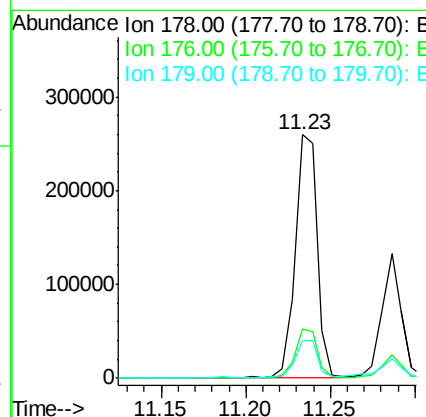
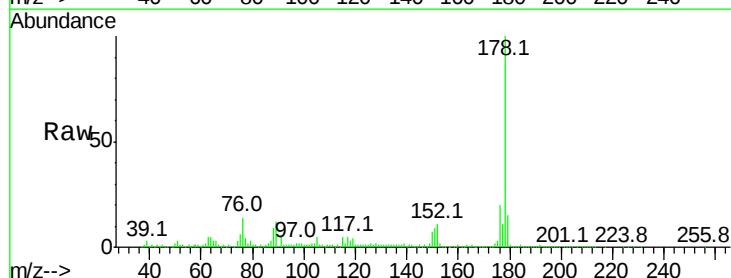
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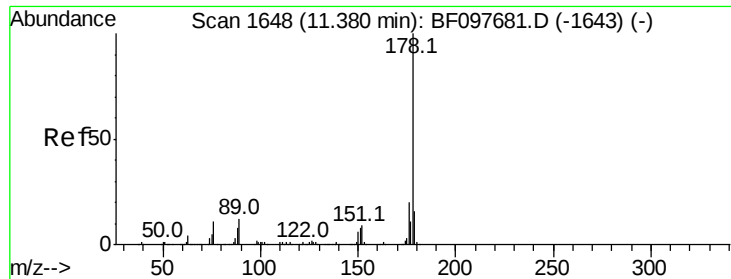
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#70
Phenanthrene
Concen: 13.596 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.02 min
Lab File: BF098280.D
Acq: 6 Sep 2017 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	233149		
176	20.3		16.2	24.4
179	15.4		12.6	19.0





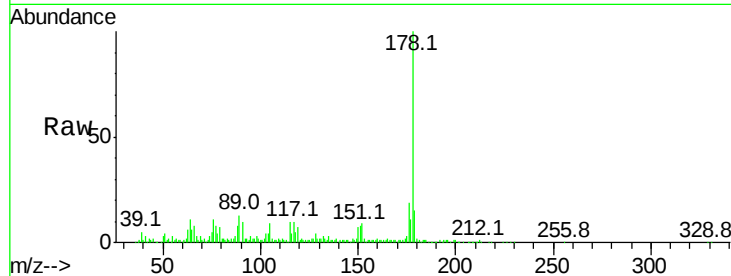
#71
 Anthracene
 Concen: 5.974 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.02 min
 Lab File: BF098280.D
 Acq: 6 Sep 2017 18:46

Instrument :
 BNA_F
 ClientSampleId :
 TP9-WC1

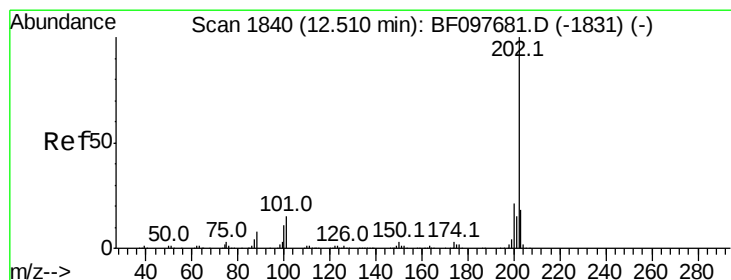
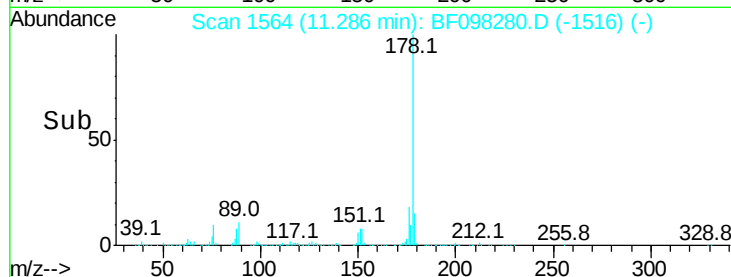
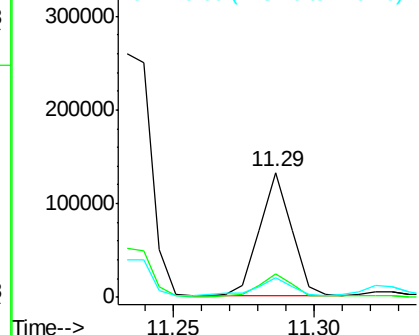
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.4	12.7	19.1

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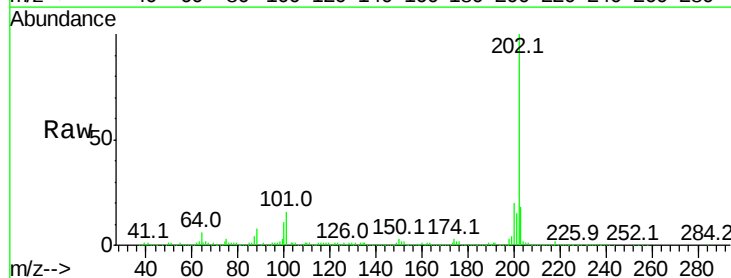


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

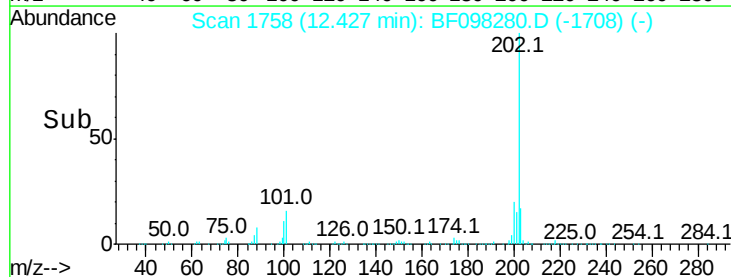
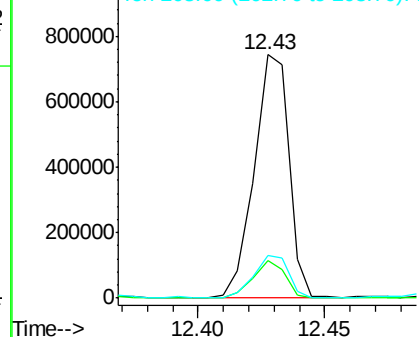


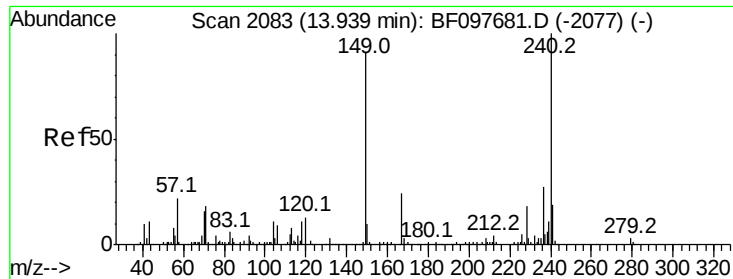
#74
 Fluoranthene
 Concen: 39.671 ng
 RT: 12.43 min Scan# 1758
 Delta R.T. -0.01 min
 Lab File: BF098280.D
 Acq: 6 Sep 2017 18:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.7	0.0	33.2
203	17.6	0.0	38.1



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: 20.000 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF098280.D

Acq: 6 Sep 2017 18:46

Instrument :

BNA_F

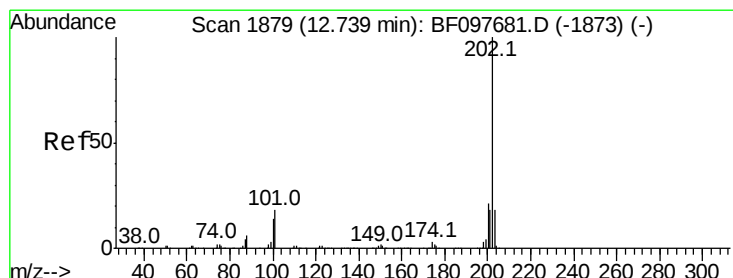
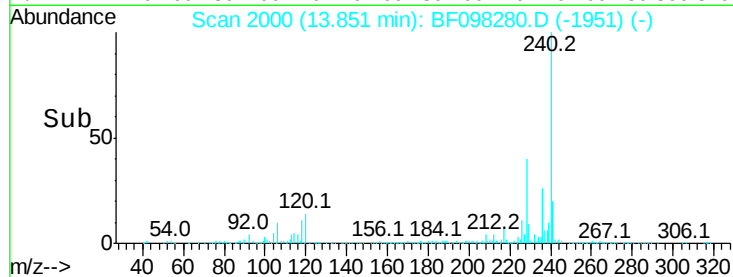
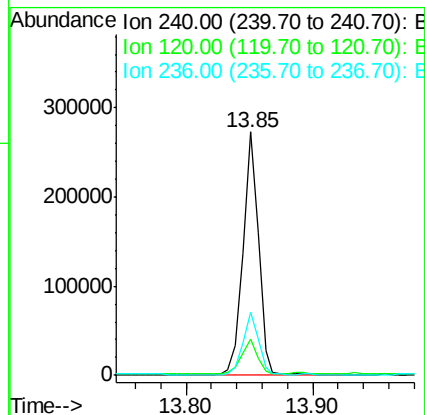
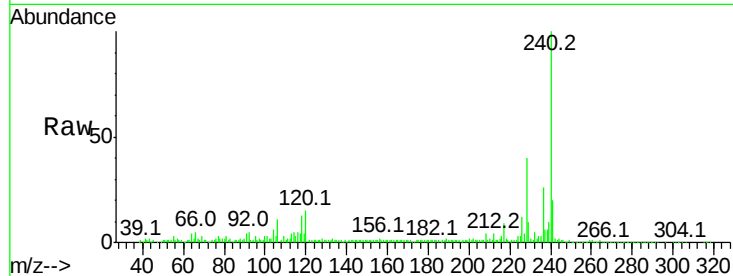
ClientSampled :

TP9-WC1

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.1	5.8	8.8#
236	25.8	20.5	30.7

Manual Integrations
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#77

Pyrene

Concen: 40.302 ng

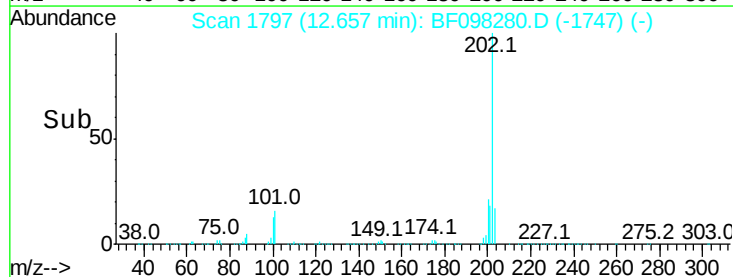
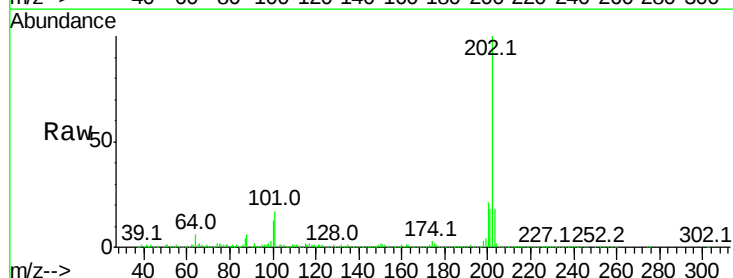
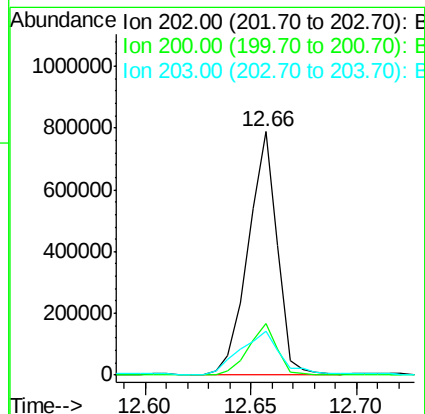
RT: 12.66 min Scan# 1797

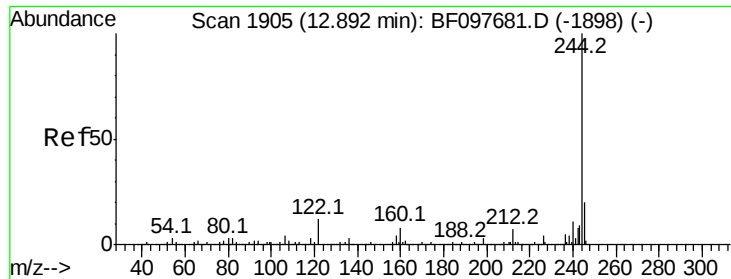
Delta R.T. -0.01 min

Lab File: BF098280.D

Acq: 6 Sep 2017 18:46

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.6	26.4
203	18.1	14.4	21.6





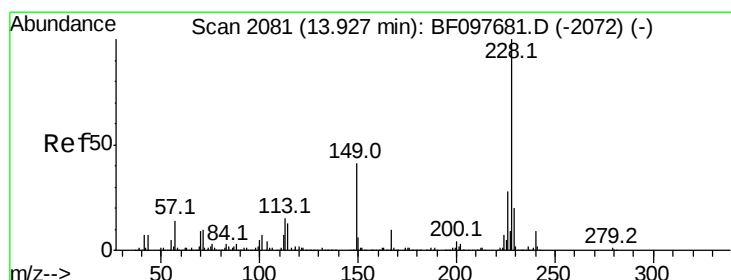
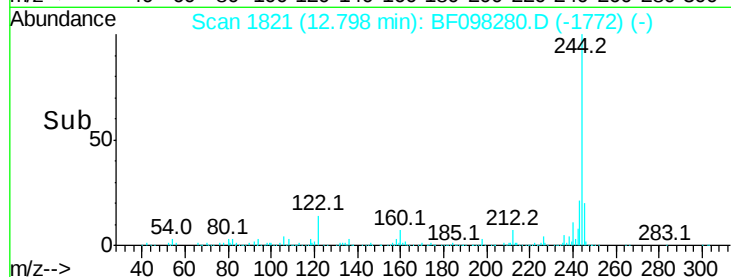
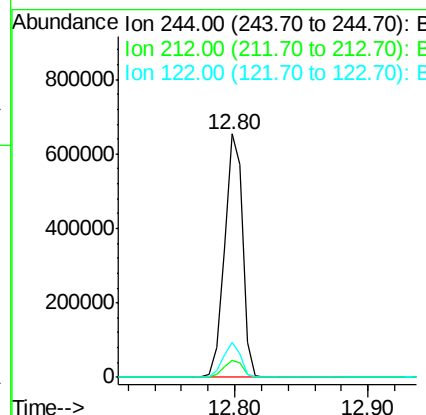
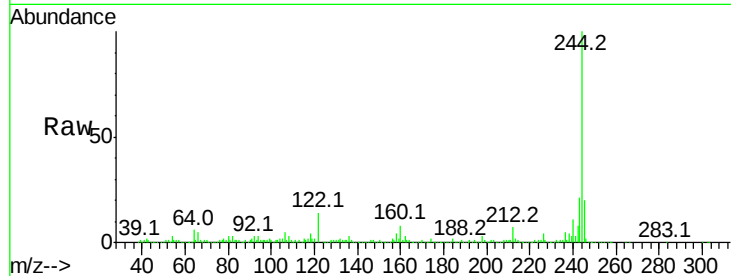
#78
 Terphenyl-d14
 Concen: 57.424 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: BF098280.D
 Acq: 6 Sep 2017 18:46

Instrument :
 BNA_F
 ClientSampleId :
 TP9-WC1

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	14.3	10.3	15.5

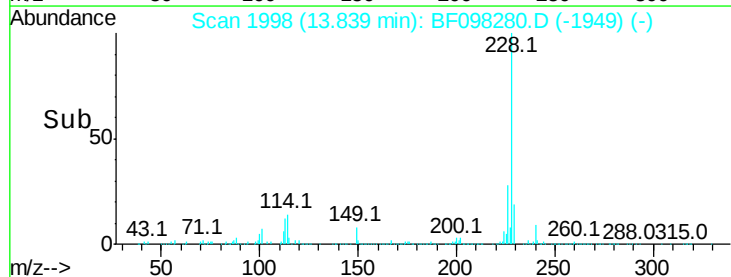
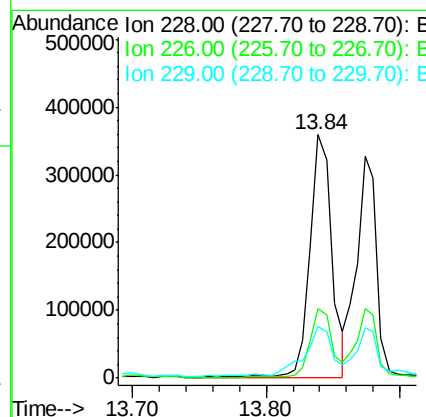
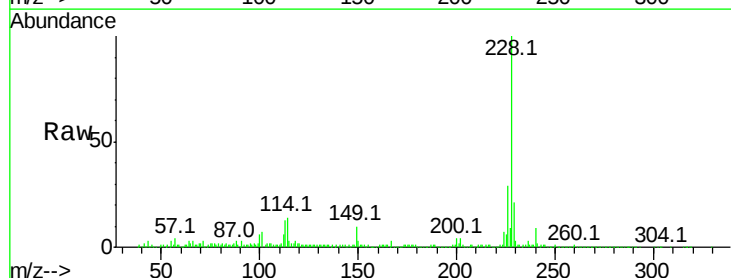
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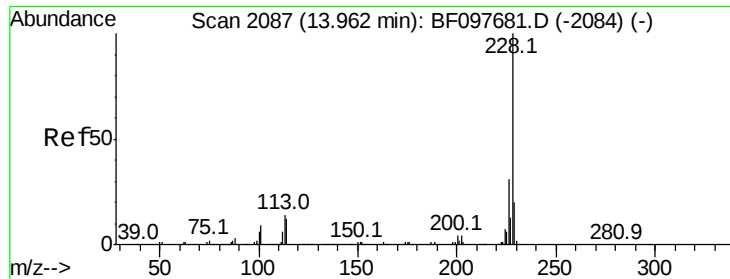
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#80
 Benzo(a)anthracene
 Concen: 29.444 ng
 RT: 13.84 min Scan# 1998
 Delta R.T. -0.01 min
 Lab File: BF098280.D
 Acq: 6 Sep 2017 18:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	21.0	16.3	24.5





#82

Chrysene

Concen: 25.279 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF098280.D

Acq: 6 Sep 2017 18:46

Instrument :

BNA_F

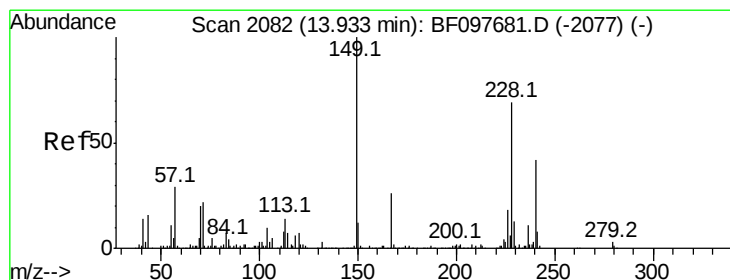
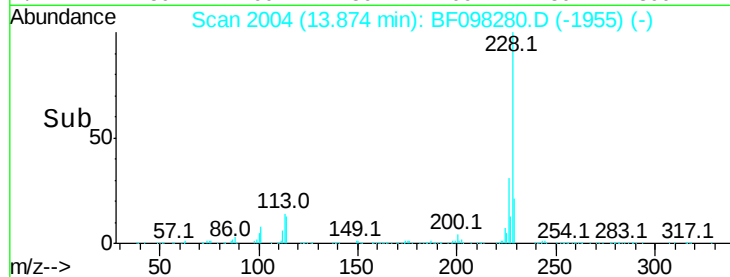
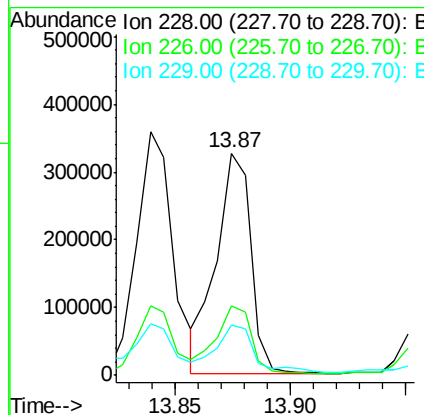
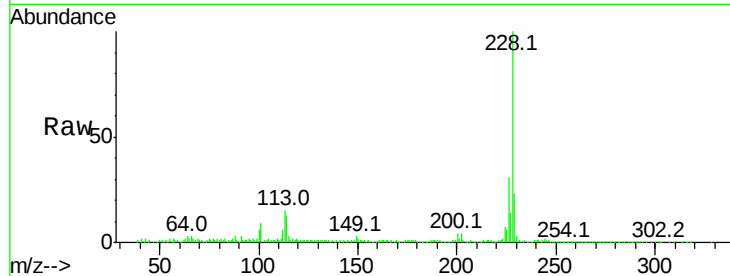
ClientSampleId :

TP9-WC1

Tot Ion:	228	Resp:	341635
Ion Ratio	Lower	Upper	
228	100		
226	31.5	24.9	37.3
229	22.8	15.8	23.6

Manual Integrations
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#83

Bis(2-ethylhexyl)phthalate

Concen: 4.665 ng m

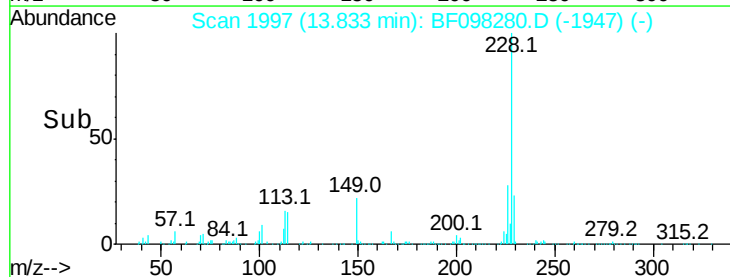
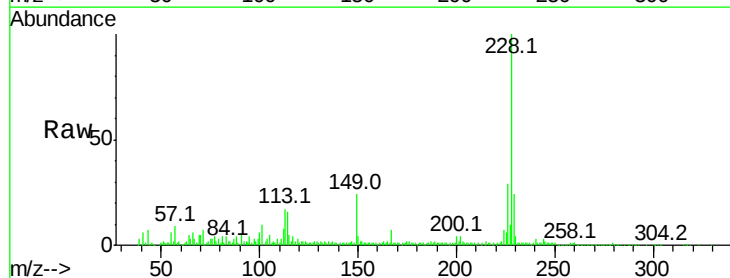
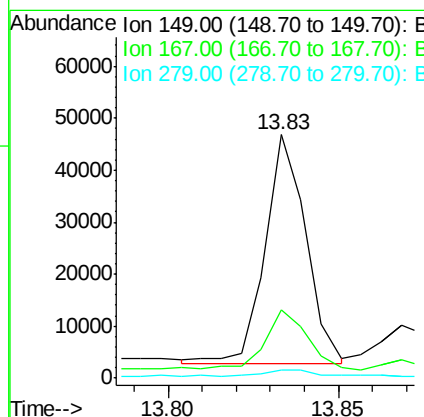
RT: 13.83 min Scan# 1997

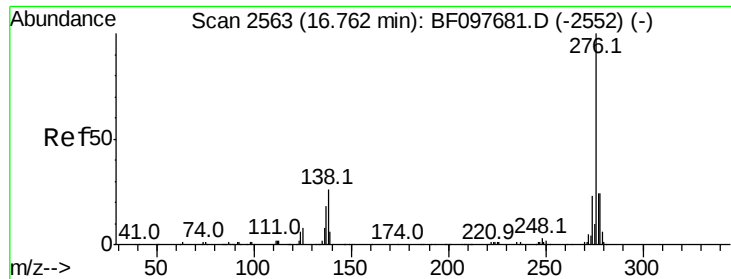
Delta R.T. -0.01 min

Lab File: BF098280.D

Acq: 6 Sep 2017 18:46

Tgt Ion:	149	Resp:	36741
Ion Ratio	Lower	Upper	
149	100		
167	28.1	21.0	31.4
279	3.3	1.9	2.9#





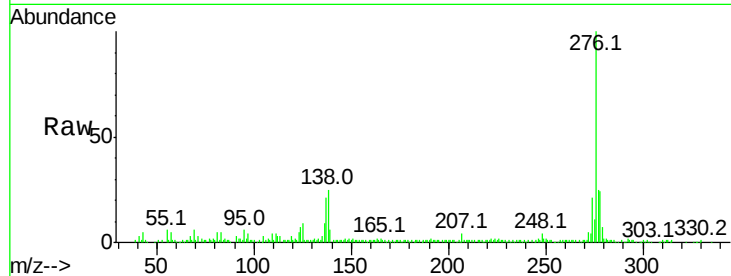
#85
Indeno(1,2,3-cd)pyrene
Concen: 16.269 ng/ml
RT: 16.62 min Scan# 2470
Delta R.T. -0.02 min
Lab File: BF098280.D
Acq: 6 Sep 2017 18:46

Instrument :
BNA_F
ClientSampleId :
TP9-WC1

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.4	27.8	41.6#
277	5.3	20.2	30.4#

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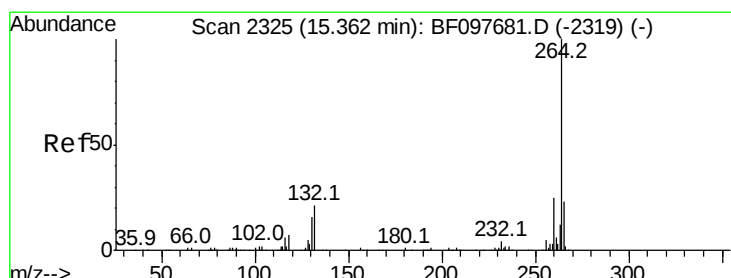
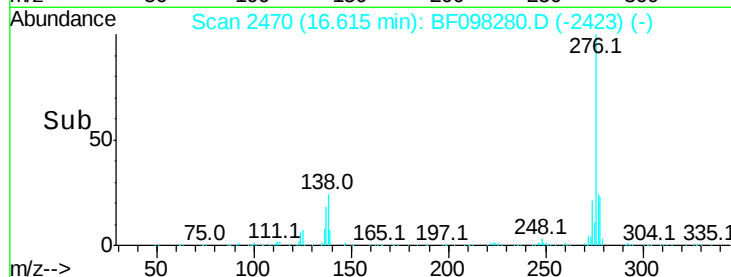
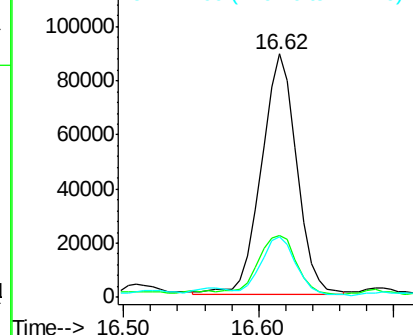


Abundance

Ion 276.00 (275.70 to 276.70): E

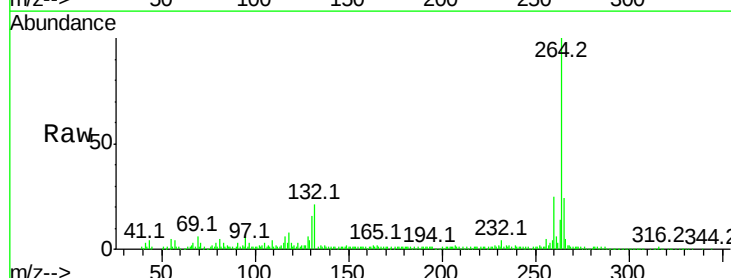
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.00 min
Lab File: BF098280.D
Acq: 6 Sep 2017 18:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.5	29.3
265	23.8	17.2	25.8

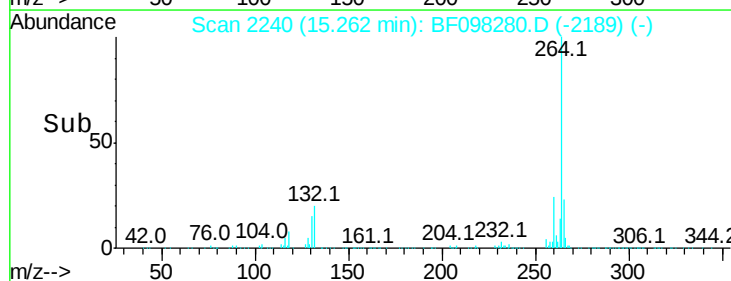
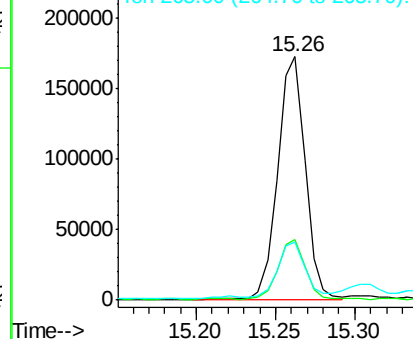


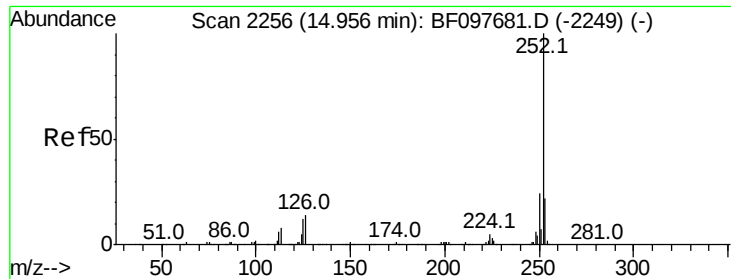
Abundance

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





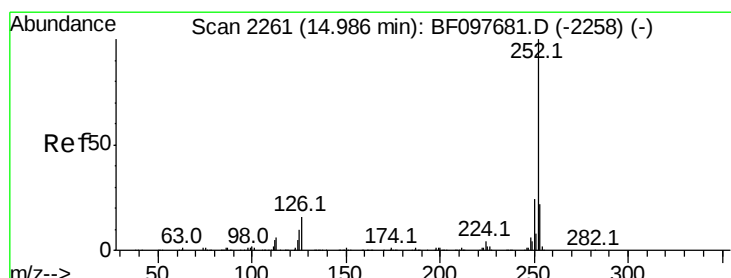
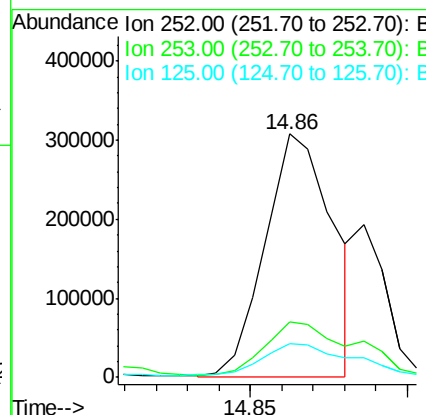
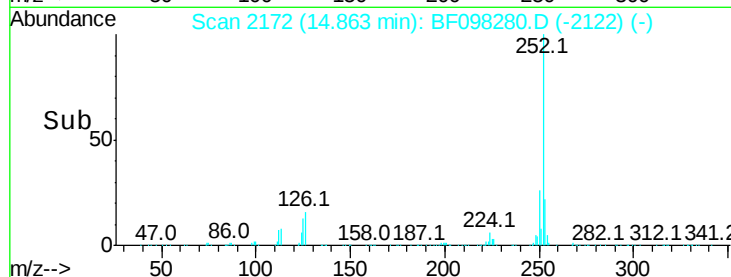
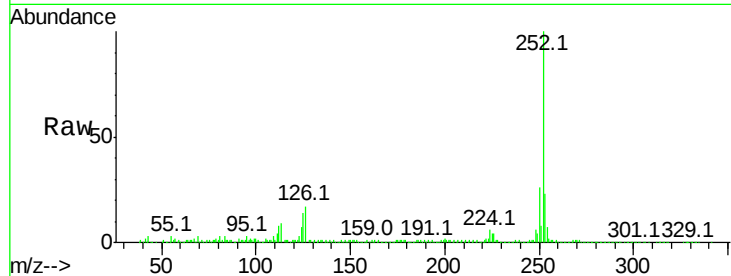
#87
Benzo(b)fluoranthene
Concen: 35.439 ng m
RT: 14.86 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BF098280.D
Acq: 6 Sep 2017 18:46

Instrument :
BNA_F
ClientSampled :
TP9-WC1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	13.7	9.8	14.8

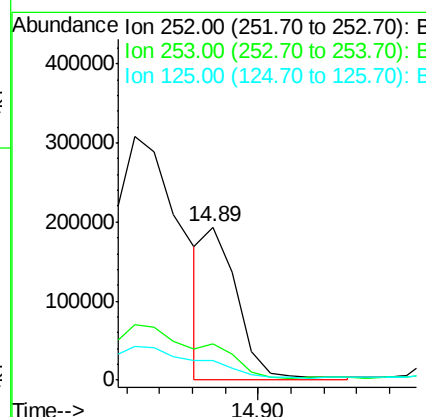
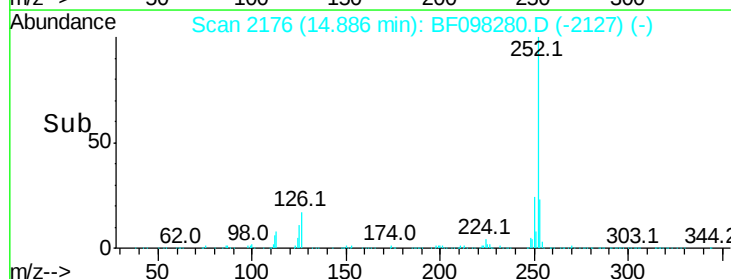
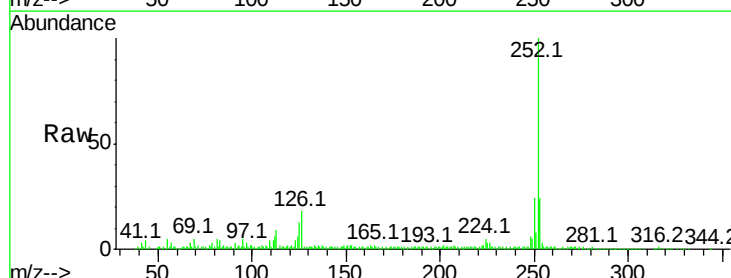
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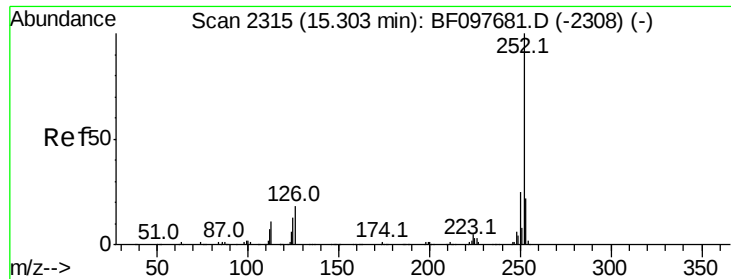
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#88
Benzo(k)fluoranthene
Concen: 11.191 ng m
RT: 14.89 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BF098280.D
Acq: 6 Sep 2017 18:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.4	27.6
125	12.5	13.1	19.7





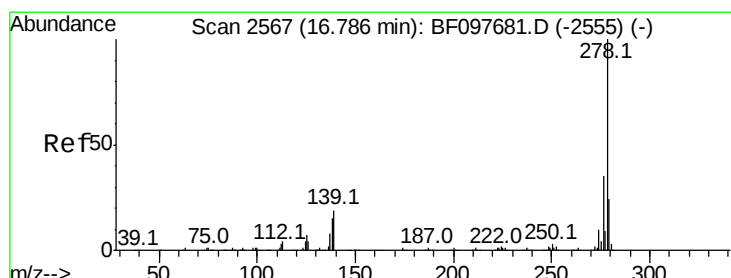
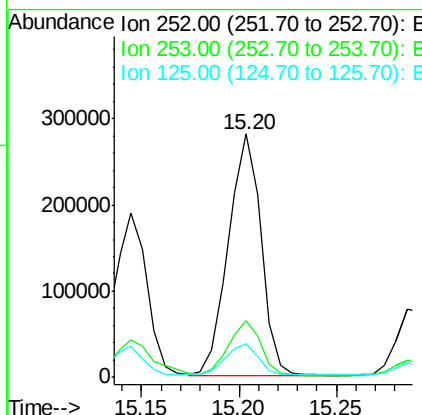
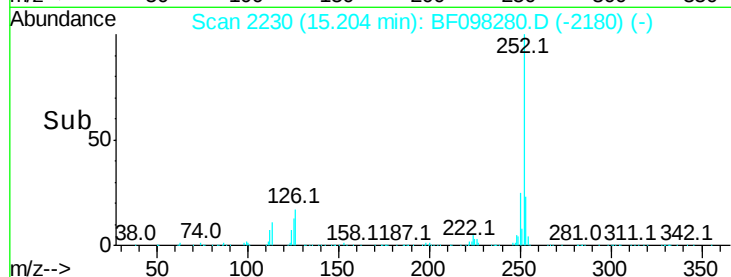
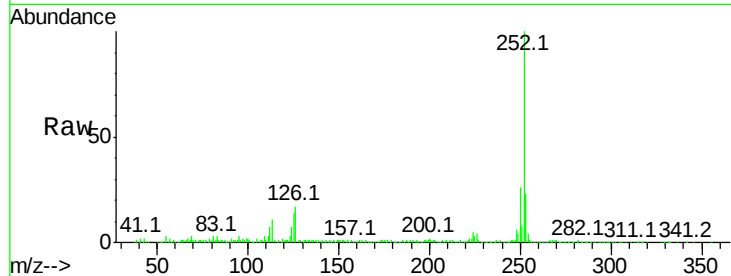
#89
Benzo(a)pyrene
Concen: 28.165 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF098280.D
Acq: 6 Sep 2017 18:46

Instrument :
BNA_F
ClientSampleId :
TP9-WC1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	13.7	11.0	16.4

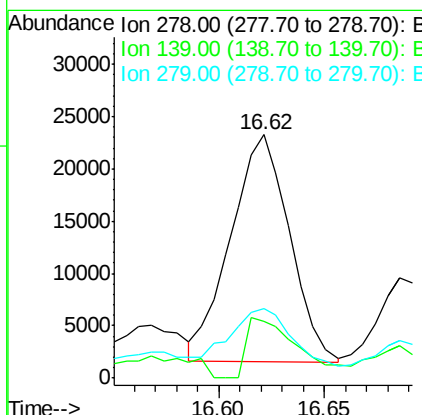
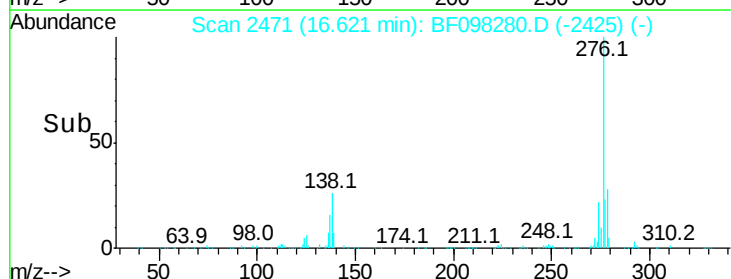
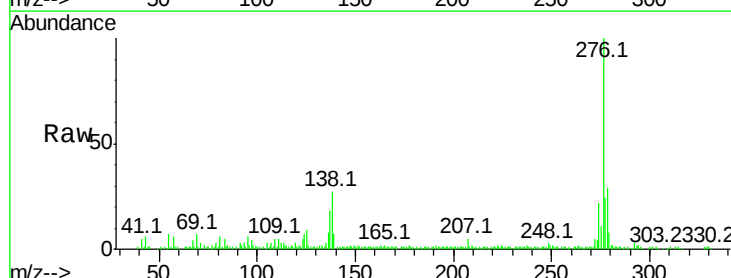
Manual Integrations
APPROVED

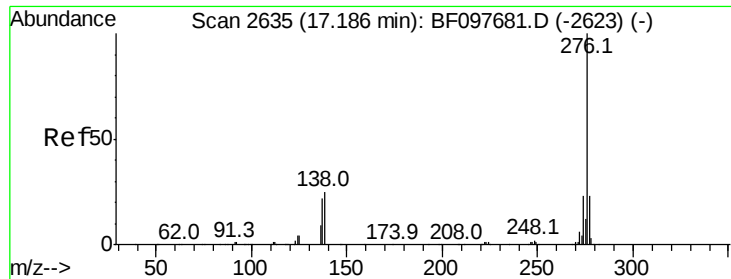
Sohil
9/7/2017 5:44:29 PM



#90
Dibenzo(a,h)anthracene
Concen: 4.445 ng
RT: 16.62 min Scan# 2471
Delta R.T. -0.03 min
Lab File: BF098280.D
Acq: 6 Sep 2017 18:46

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.4	16.6	24.8
279	28.5	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 16.158 ng
 RT: 17.03 min Scan# 2540
 Delta R.T. -0.02 min
 Lab File: BF098280.D
 Acq: 6 Sep 2017 18:46

Instrument :
 BNA_F
 ClientSampleId :
 TP9-WC1

Tot Ion	Ratio	Resp	Lower	Upper
276	100	159251		
277	24.1		18.6	28.0
138	27.1		25.4	38.0

Manual Integrations
 APPROVED

Sohil
 9/7/2017 5:44:29 PM

