

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF093015\
 Data File : BF081922.D
 Acq On : 1 Oct 2015 1:23
 Operator : UM/IZ
 Sample : G3846-09 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 009-TB-8(0-4)

Manual Integrations
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Quant Time: Oct 01 05:42:55 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 18:10:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	123618m	20.00	ng	-0.03
21) Naphthalene-d8	8.19	136	479246	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	208250	20.00	ng	-0.03
63) Phenanthrene-d10	11.44	188	329652	20.00	ng	-0.02
75) Chrysene-d12	14.08	240	291002	20.00	ng	-0.03
86) Perylene-d12	15.54	264	266626	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	275619	40.47	ng	-0.02
7) Phenol-d6	6.53	99	398523	46.51	ng	-0.03
23) Nitrobenzene-d5	7.46	82	226433	31.50	ng	-0.03
41) 2,4,6-Tribromophenol	10.73	330	79063	37.49	ng	-0.03
44) 2-Fluorobiphenyl	9.27	172	472747	33.59	ng	-0.03
78) Terphenyl-d14	13.02	244	311443	28.28	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.66	163	117740	8.19	ng	# 98
51) Acenaphthene	9.98	154	30520	2.55	ng	91
70) Phenanthrene	11.46	178	646840	40.61	ng	97
71) Anthracene	11.51	178	196899	11.75	ng	98
72) Carbazole	11.67	167	114340	7.54	ng	96
73) Di-n-butylphthalate	12.00	149	437857	27.84	ng	# 99
74) Fluoranthene	12.65	202	1195917	67.72	ng	90
77) Pyrene	12.88	202	1033546m	59.45	ng	
79) Butylbenzylphthalate	13.50	149	512475	78.34	ng	# 85
80) Benzo(a)anthracene	14.07	228	739507	47.19	ng	92
82) Chrysene	14.10	228	533266	35.12	ng	92
83) Bis(2-ethylhexyl)phthalate	14.06	149	360375	43.92	ng	# 94
85) Indeno(1,2,3-cd)pyrene	17.00	276	320773	26.17	ng	# 82
87) Benzo(b)fluoranthene	15.12	252	790988m	51.96	ng	
88) Benzo(k)fluoranthene	15.13	252	379539m	27.20	ng	
89) Benzo(a)pyrene	15.49	252	556719	42.16	ng	# 84
90) Dibenzo(a,h)anthracene	17.00	278	73301m	6.62	ng	
91) Benzo(g,h,i)perylene	17.43	276	285006	25.10	ng	# 76

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

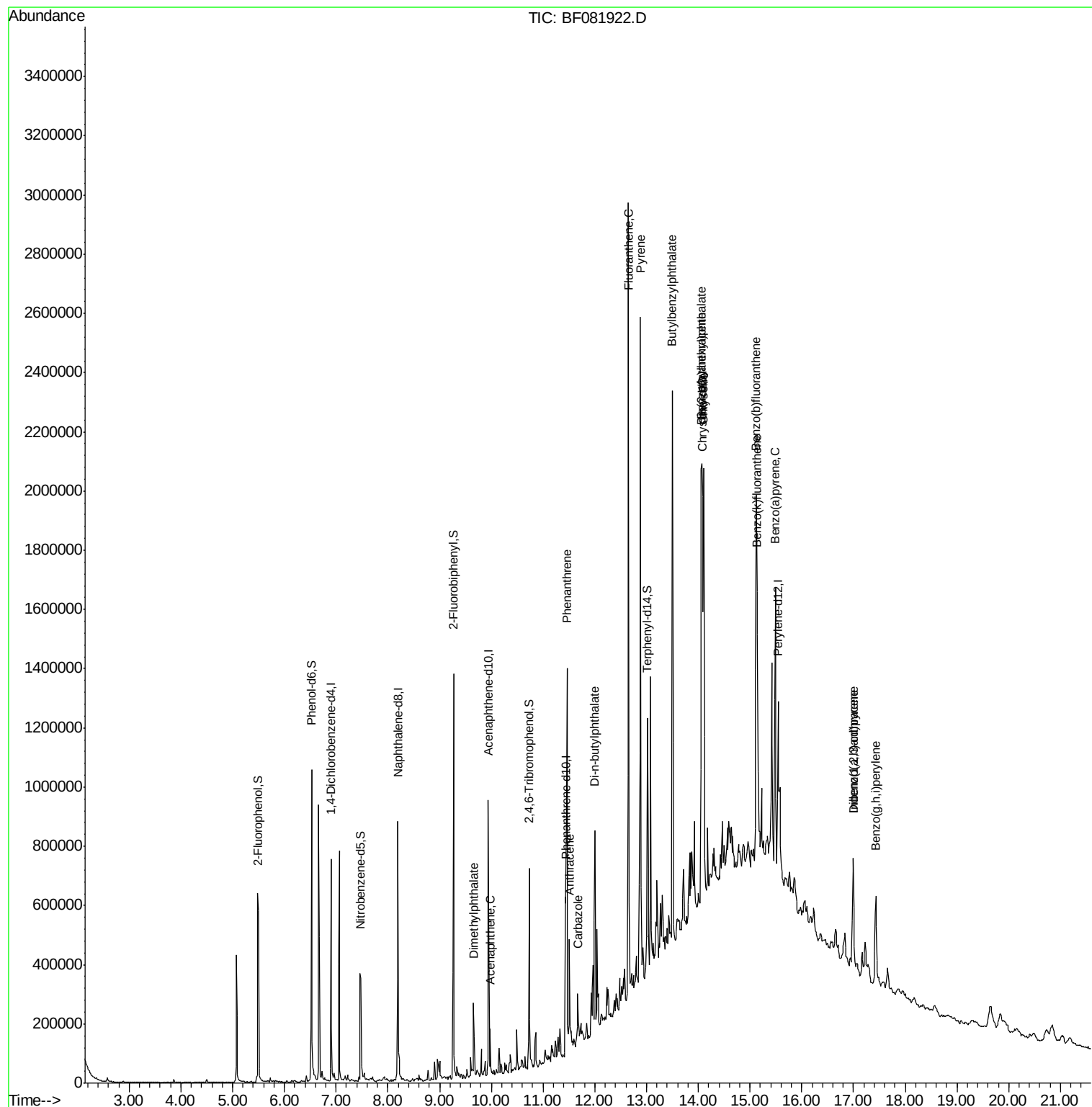
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF093015\
Data File : BF081922.D
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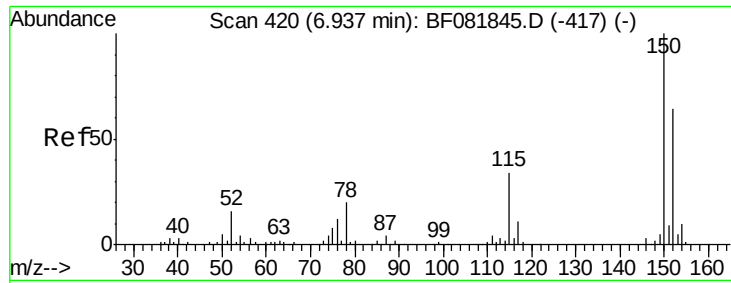
Instrument :
BNA_F
ClientSampleId :
009-TB-8(0-4)

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Quant Time: Oct 01 05:42:55 2015
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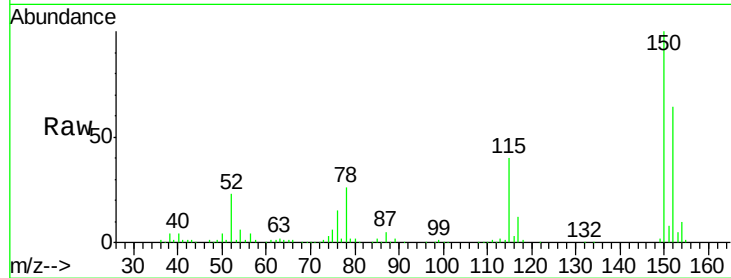




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng m
RT: 6.90 min Scan# 417
Delta R.T. -0.03 min
Lab File: BF081922.D
Acq: 1 Oct 2015 1:23

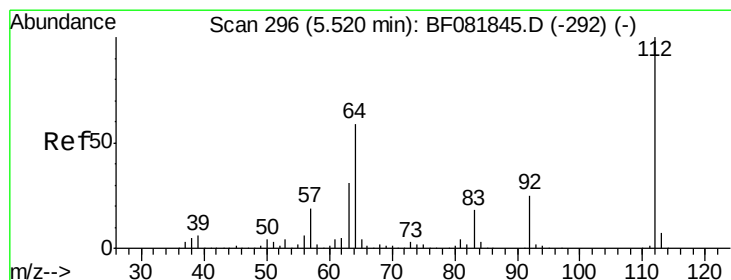
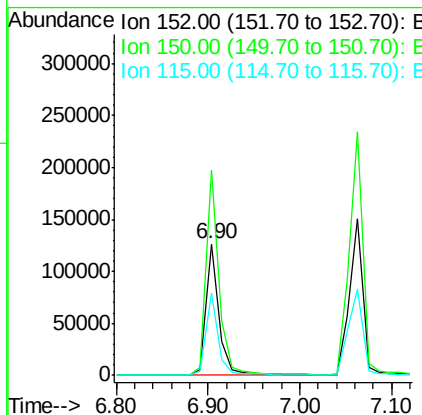
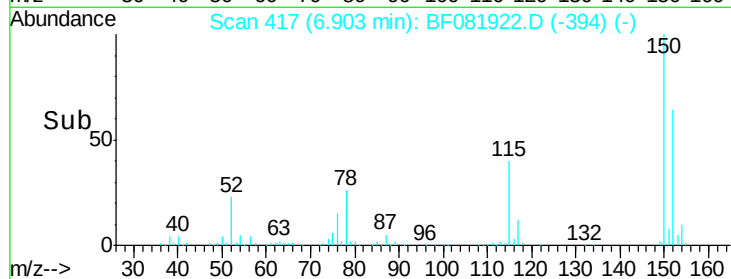
Instrument :
BNA_F
ClientSampleId :
009-TB-8(0-4)



Tgt Ion	Ratio	Resp	Lower	Upper
152	100	123618		
150	156.7	124.7	187.1	
115	62.4	39.0	58.4#	

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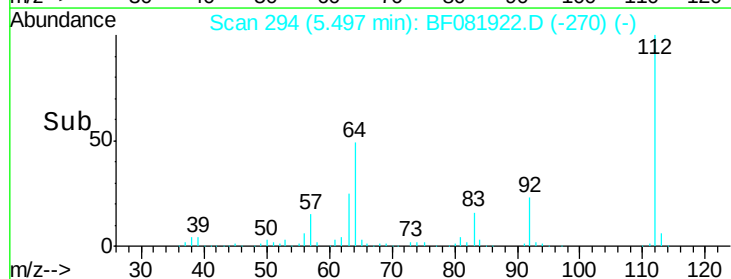
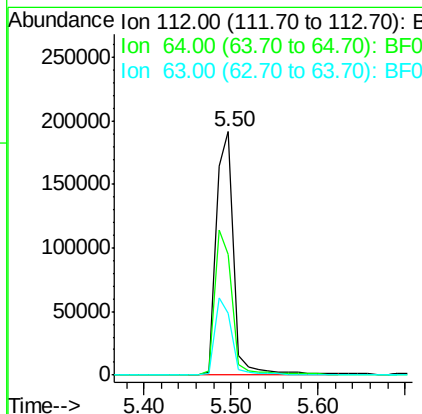
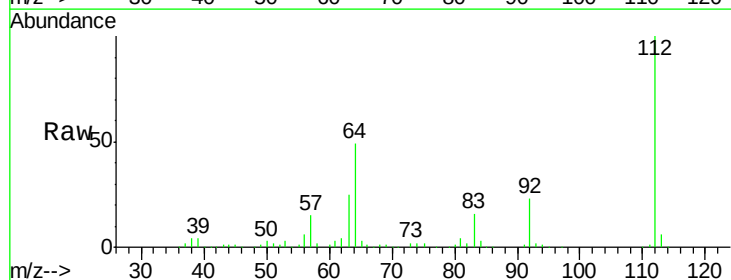
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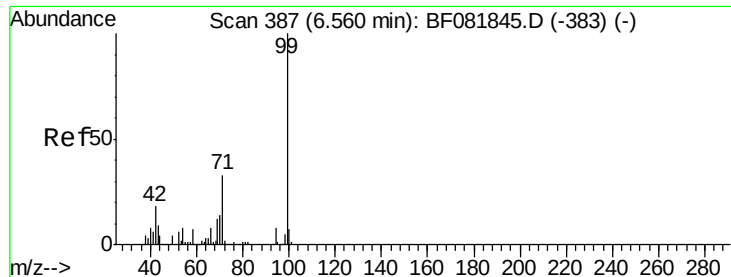


#5

2-Fluorophenol
Concen: 40.47 ng
RT: 5.50 min Scan# 294
Delta R.T. -0.02 min
Lab File: BF081922.D
Acq: 1 Oct 2015 1:23

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	275619		
64	49.4	39.7	59.5	
63	25.2	17.4	26.0	





#7

Phenol-d6

Concen: 46.51 ng

RT: 6.53 min Scan# 384

Delta R.T. -0.03 min

Lab File: BF081922.D

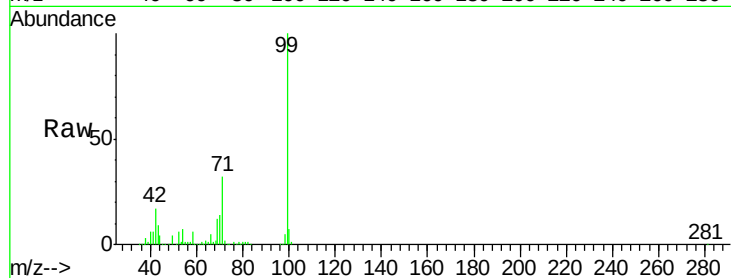
Acq: 1 Oct 2015 1:23

Instrument :

BNA_F

ClientSampleId :

009-TB-8(0-4)

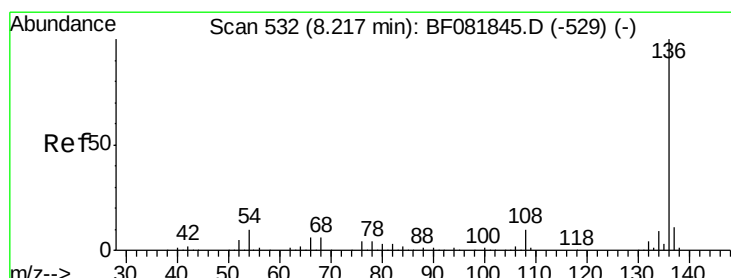
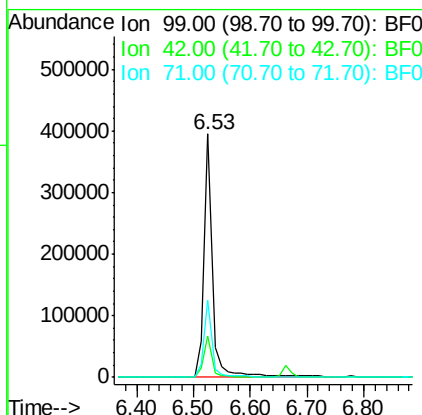
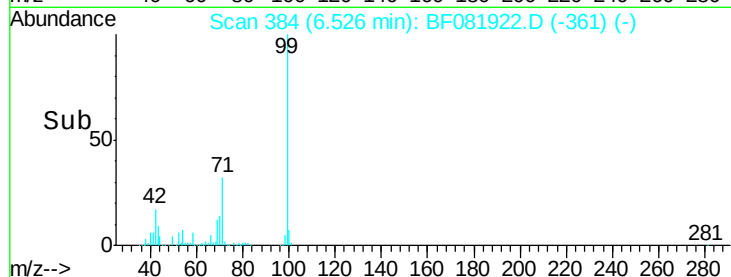


Tgt Ion: 99 Resp: 398523

Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.7	20.5
71	31.9	14.2	21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 530

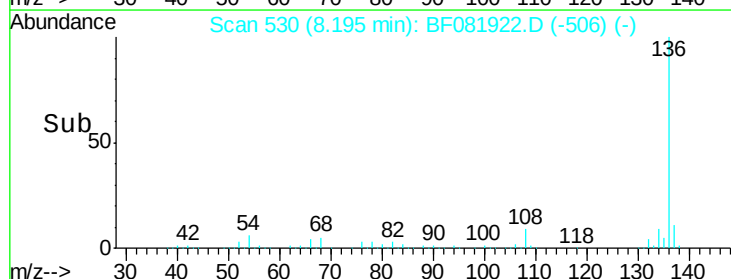
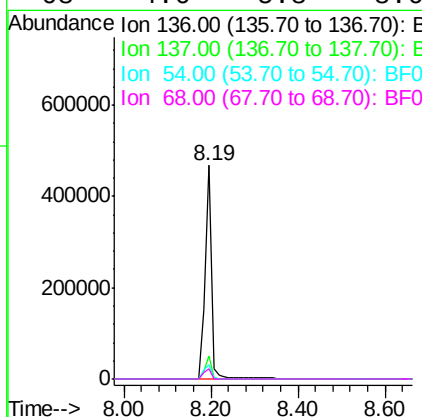
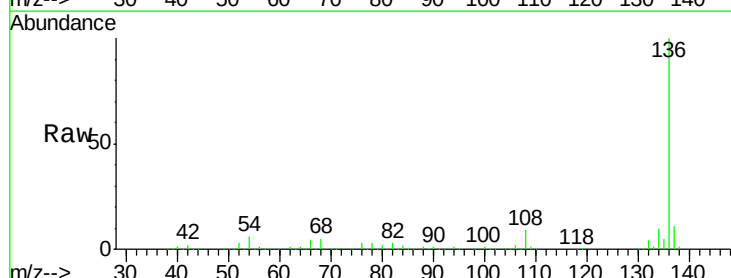
Delta R.T. -0.02 min

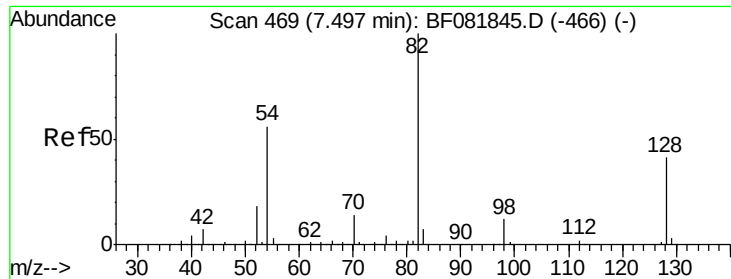
Lab File: BF081922.D

Acq: 1 Oct 2015 1:23

Tgt Ion: 136 Resp: 479246

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.6
54	6.3	8.2	12.2#
68	4.6	5.8	8.6#





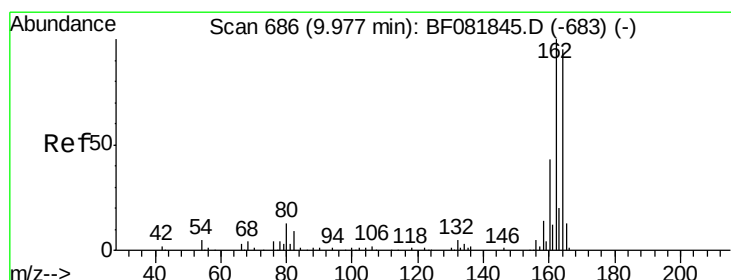
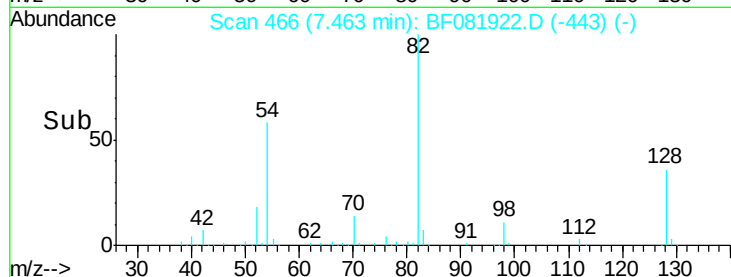
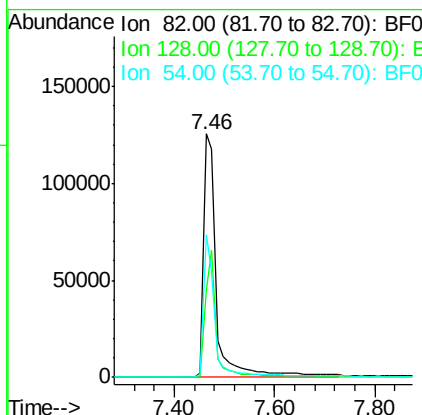
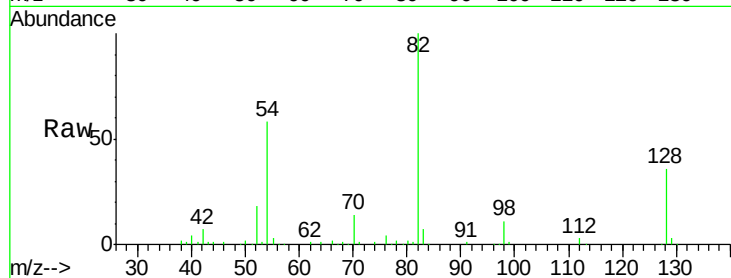
#23
 Nitrobenzene-d5
 Concen: 31.50 ng
 RT: 7.46 min Scan# 466
 Delta R.T. -0.03 min
 Lab File: BF081922.D
 Acq: 1 Oct 2015 1:23

Instrument :
 BNA_F
 ClientSampleId :
 009-TB-8(0-4)

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	226433		
128	36.0	51.0	76.6#	
54	58.4	47.5	71.3	

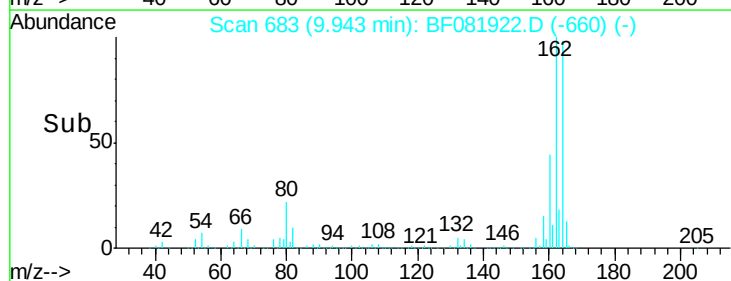
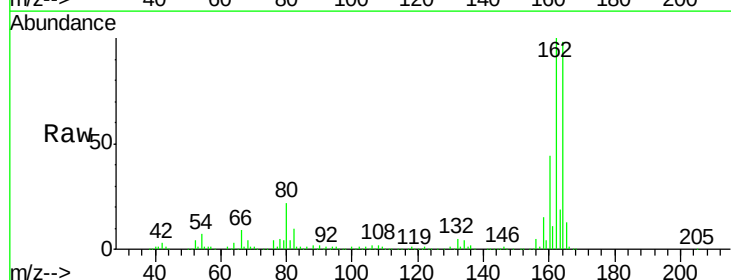
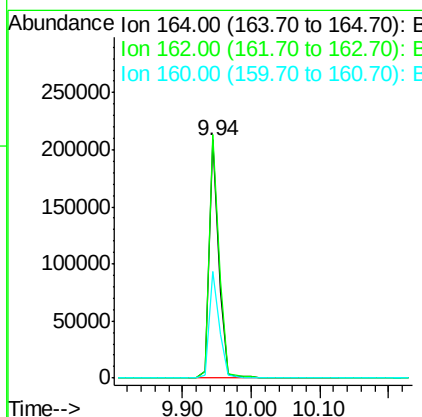
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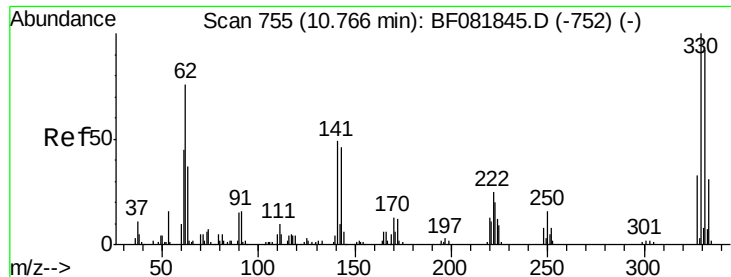
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.94 min Scan# 683
 Delta R.T. -0.03 min
 Lab File: BF081922.D
 Acq: 1 Oct 2015 1:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	208250		
162	102.2	75.2	112.8	
160	44.6	31.5	47.3	





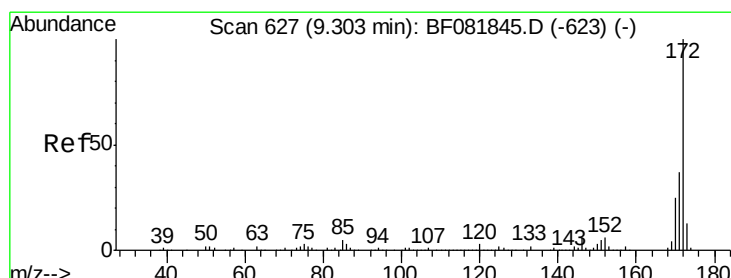
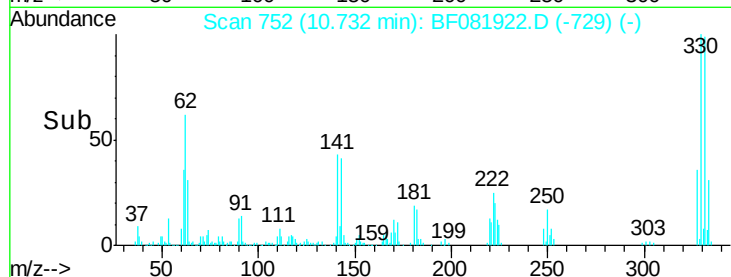
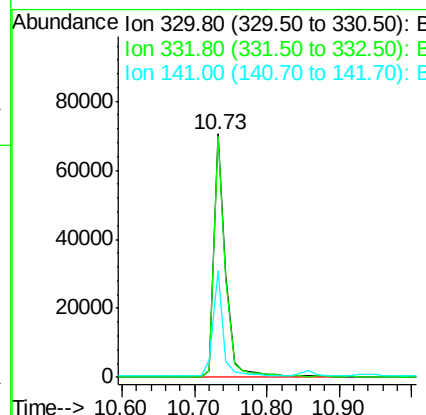
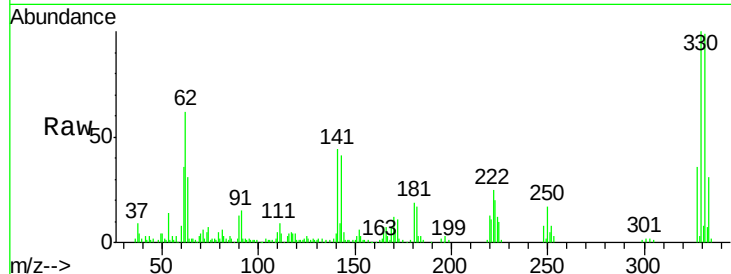
#41
 2,4,6-Tribromophenol
 Concen: 37.49 ng
 RT: 10.73 min Scan# 752
 Delta R.T. -0.03 min
 Lab File: BF081922.D
 Acq: 1 Oct 2015 1:23

Instrument :
 BNA_F
 ClientSampleId :
 009-TB-8(0-4)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	79063		
332	97.0	76.6	114.8	
141	36.9	29.7	44.5	

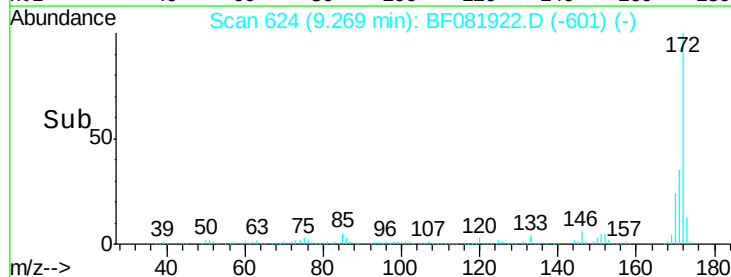
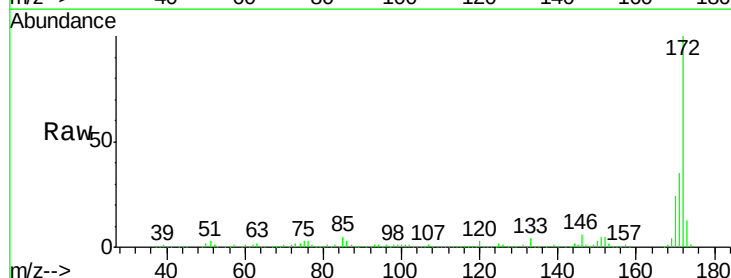
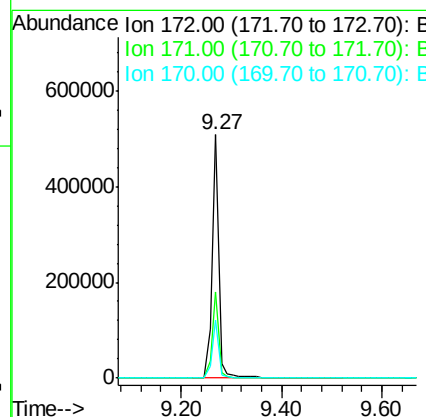
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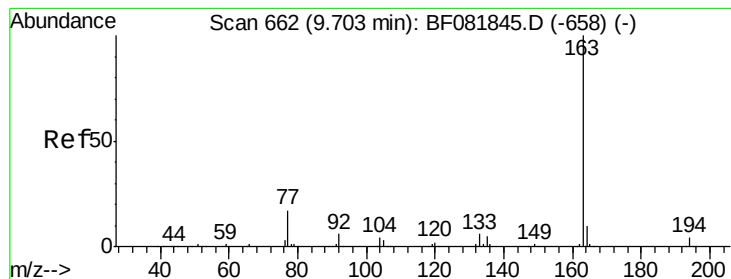
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#44
 2-Fluorobiphenyl
 Concen: 33.59 ng
 RT: 9.27 min Scan# 624
 Delta R.T. -0.03 min
 Lab File: BF081922.D
 Acq: 1 Oct 2015 1:23

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	472747		
171	35.2	26.1	39.1	
170	23.7	17.4	26.2	





#49

Dimethylphthalate

Concen: 8.19 ng

RT: 9.66 min Scan# 658

Delta R.T. -0.05 min

Lab File: BF081922.D

Acq: 1 Oct 2015 1:23

Instrument :

BNA_F

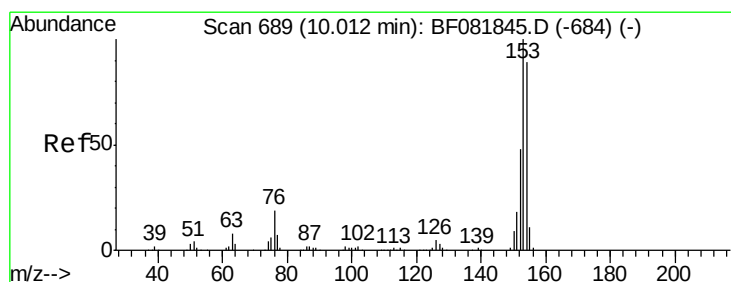
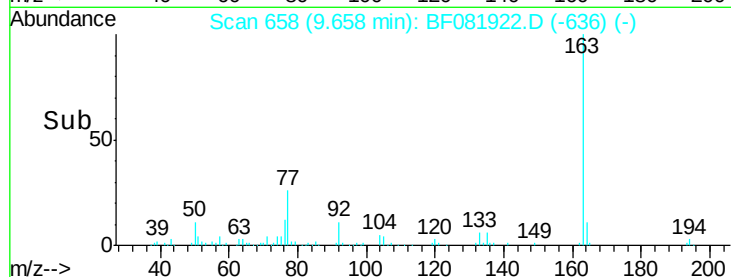
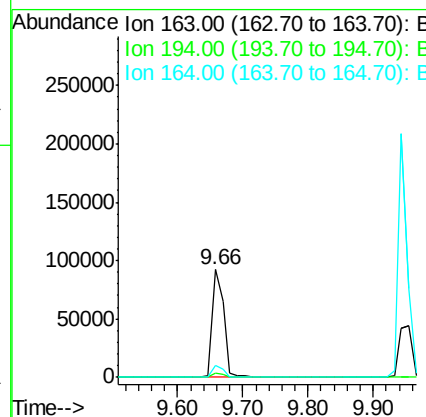
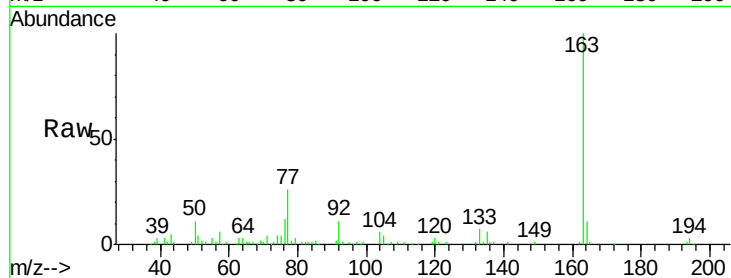
ClientSampleId :

009-TB-8(0-4)

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	117740		
194	3.5	4.4	6.6#	
164	10.6	8.3	12.5	

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#51

Acenaphthene

Concen: 2.55 ng

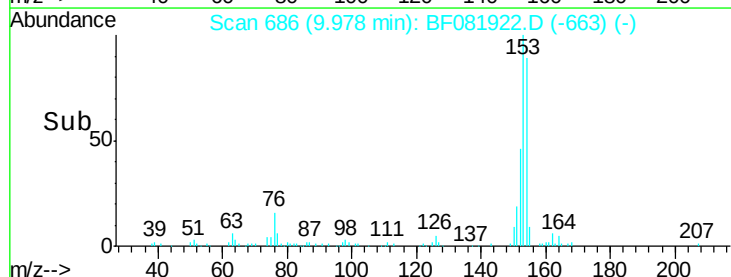
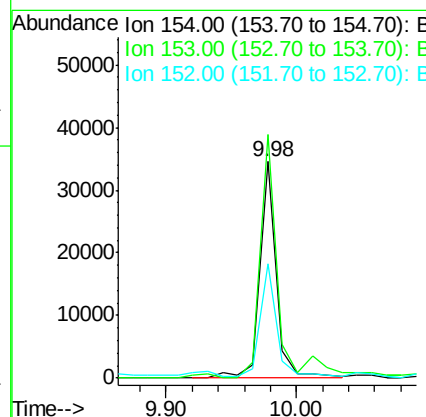
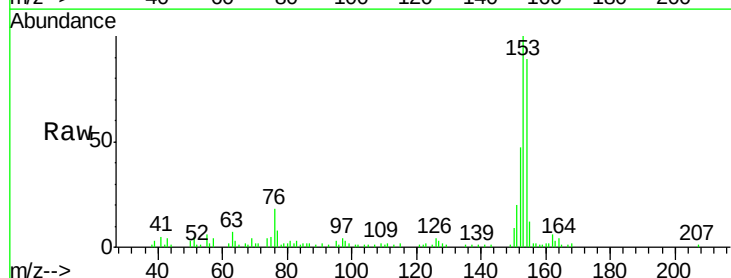
RT: 9.98 min Scan# 686

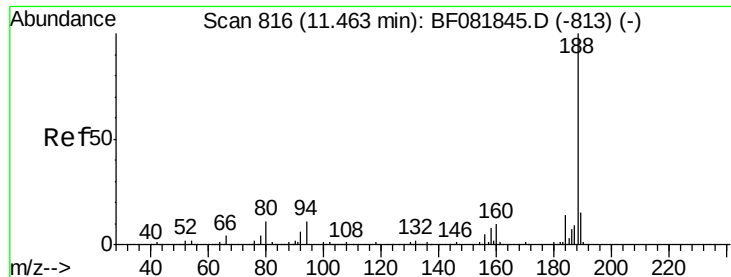
Delta R.T. -0.03 min

Lab File: BF081922.D

Acq: 1 Oct 2015 1:23

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	30520		
153	112.6	82.1	123.1	
152	52.8	37.9	56.9	





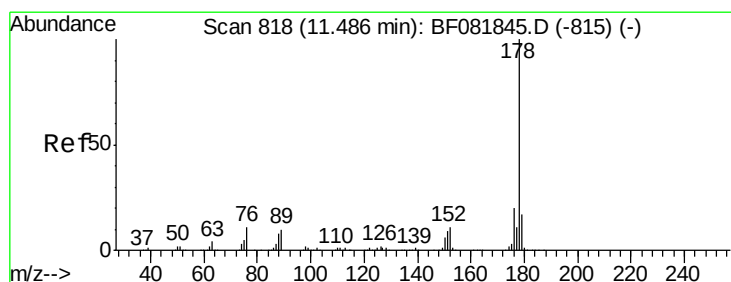
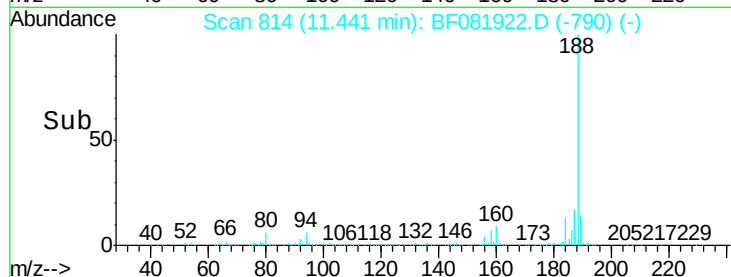
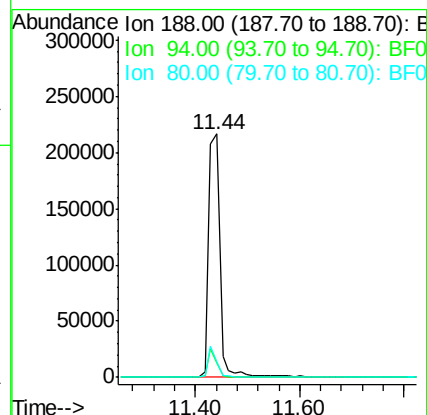
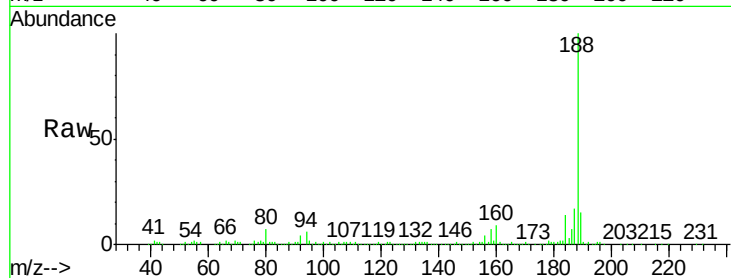
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 814
Delta R.T. -0.02 min
Lab File: BF081922.D
Acq: 1 Oct 2015 1:23

Instrument :
BNA_F
ClientSampleId :
009-TB-8(0-4)

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	6.2	11.1	16.7#
80	6.6	11.0	16.4#

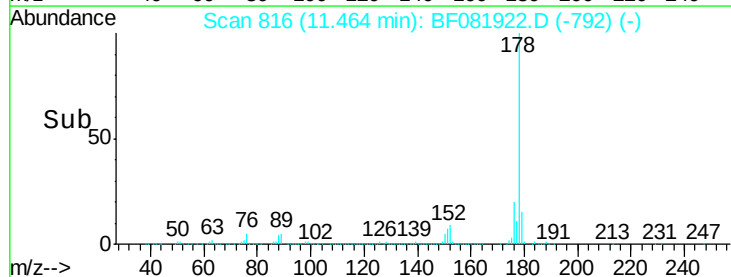
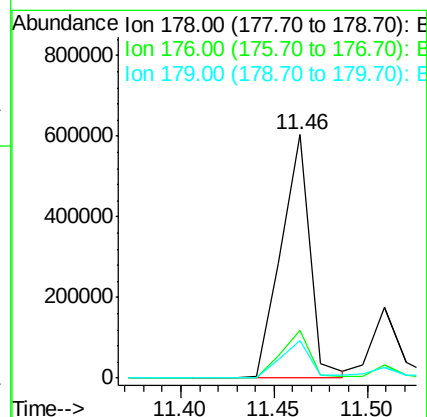
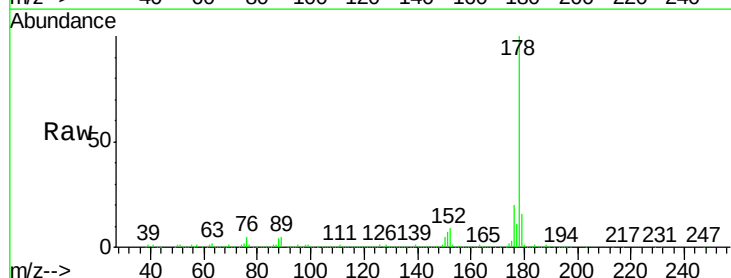
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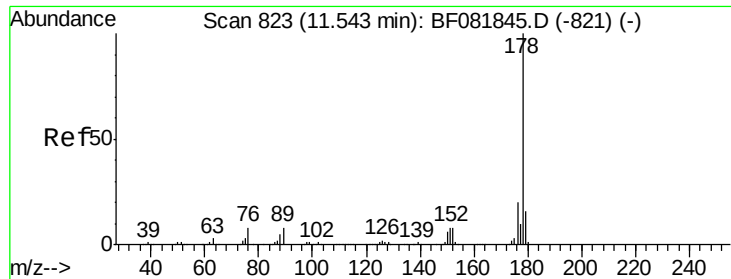
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#70
Phenanthrene
Concen: 40.61 ng
RT: 11.46 min Scan# 816
Delta R.T. -0.02 min
Lab File: BF081922.D
Acq: 1 Oct 2015 1:23

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.6	13.8	20.8
179	15.5	12.2	18.2





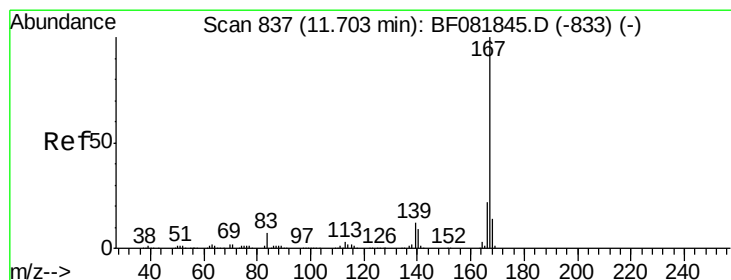
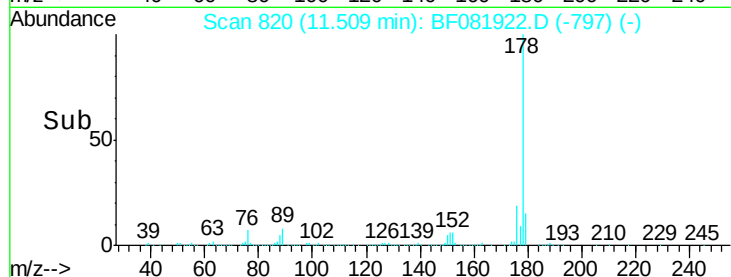
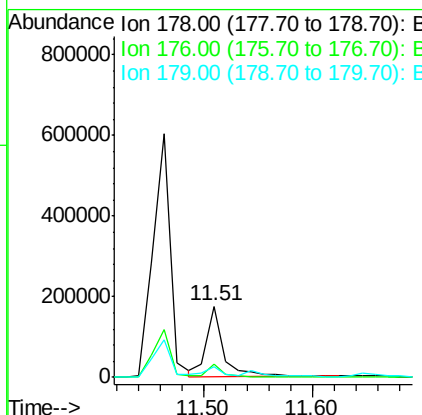
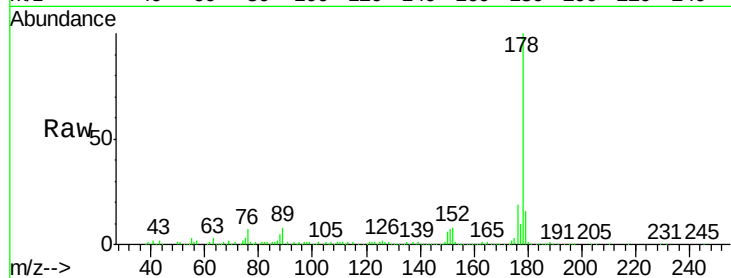
#71
 Anthracene
 Concen: 11.75 ng
 RT: 11.51 min Scan# 820
 Delta R.T. -0.03 min
 Lab File: BF081922.D
 Acq: 1 Oct 2015 1:23

Instrument :
 BNA_F
 ClientSampleId :
 009-TB-8(0-4)

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	196899		
176	18.9	14.1	21.1	
179	15.7	12.2	18.2	

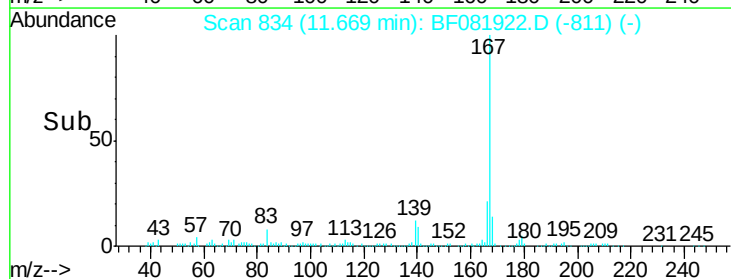
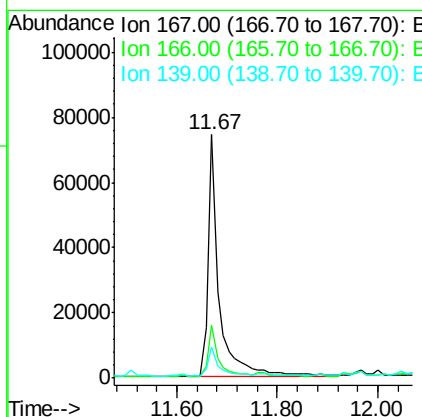
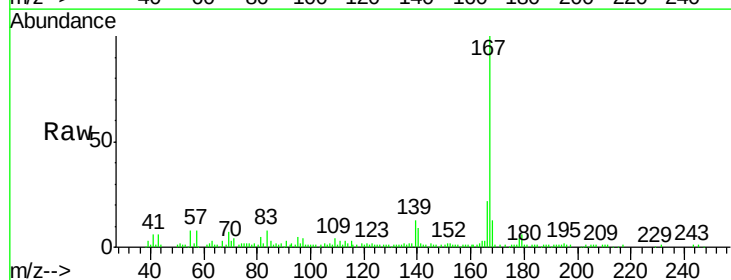
Manual Integrations
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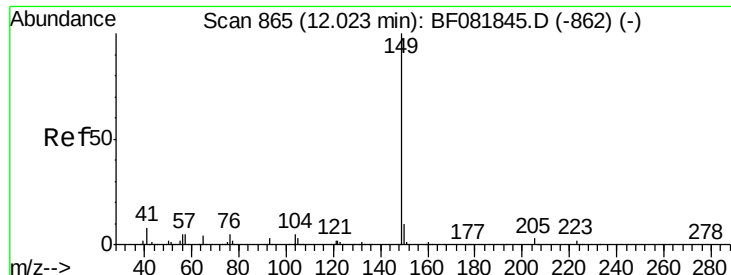
MMDadoda
 10/1/2015 2:24:12 PM



#72
 Carbazole
 Concen: 7.54 ng
 RT: 11.67 min Scan# 834
 Delta R.T. -0.03 min
 Lab File: BF081922.D
 Acq: 1 Oct 2015 1:23

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	114340		
166	21.5	15.7	23.5	
139	12.9	9.5	14.3	





#73

Di-n-butylphthalate

Concen: 27.84 ng

RT: 12.00 min Scan# 863

Delta R.T. -0.02 min

Lab File: BF081922.D

Acq: 1 Oct 2015 1:23

Instrument :

BNA_F

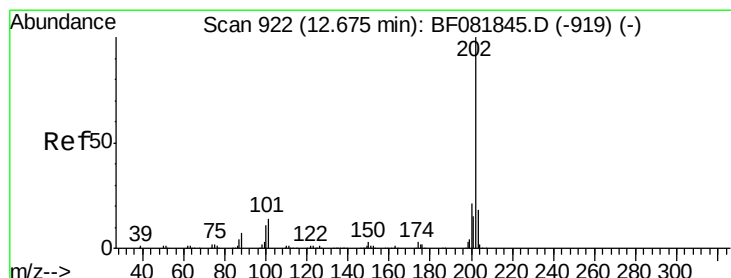
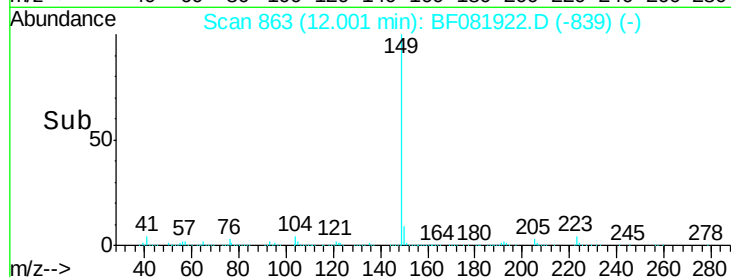
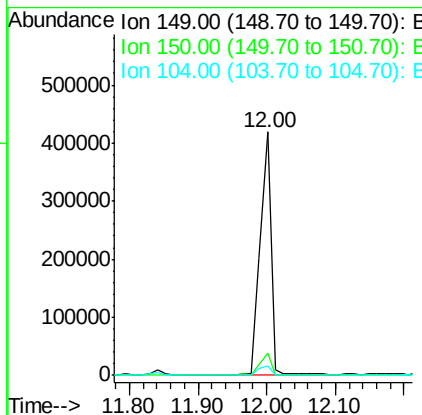
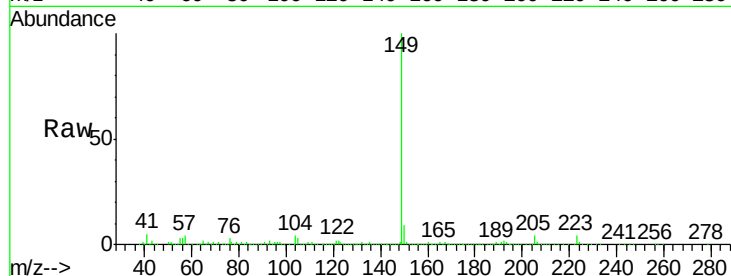
ClientSampleId :

009-TB-8(0-4)

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Tgt Ion	Ratio	Resp	Lower	Upper
149	100	437857		
150	9.2	7.4	11.2	
104	3.7	2.4	3.6#	



#74

Fluoranthene

Concen: 67.72 ng

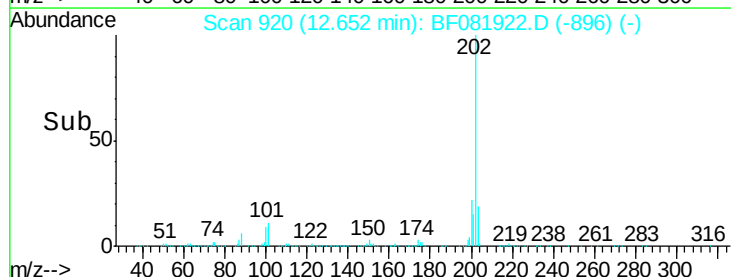
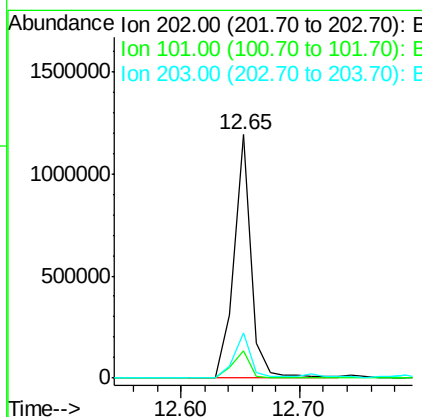
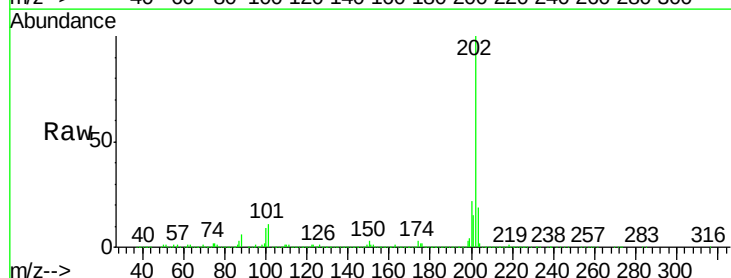
RT: 12.65 min Scan# 920

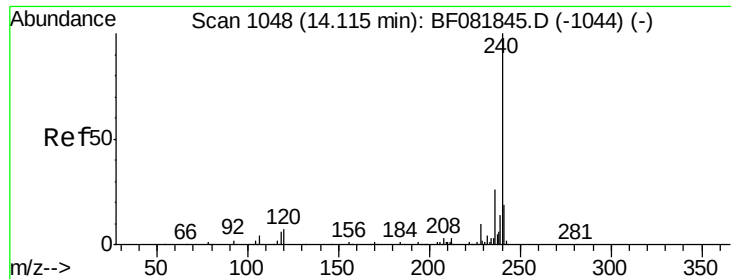
Delta R.T. -0.02 min

Lab File: BF081922.D

Acq: 1 Oct 2015 1:23

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1195917		
101	11.3	0.0	38.3	
203	18.7	0.0	37.3	





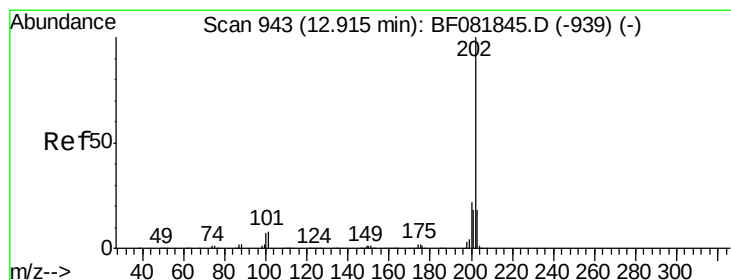
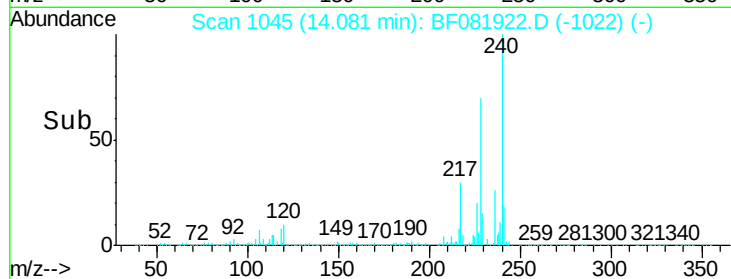
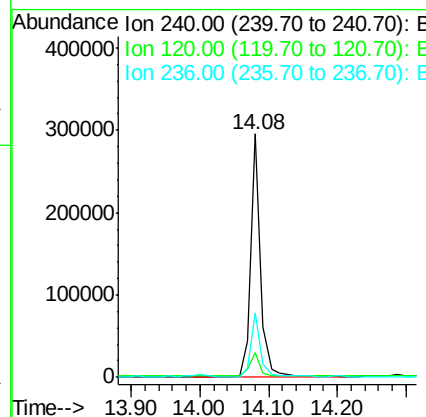
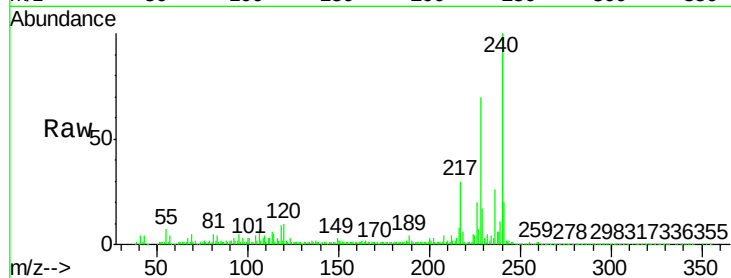
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.08 min Scan# 1045
Delta R.T. -0.03 min
Lab File: BF081922.D
Acq: 1 Oct 2015 1:23

Instrument :
BNA_F
ClientSampleId :
009-TB-8(0-4)

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	291002		
120	10.0	16.2	24.2#	
236	26.4	18.4	27.6	

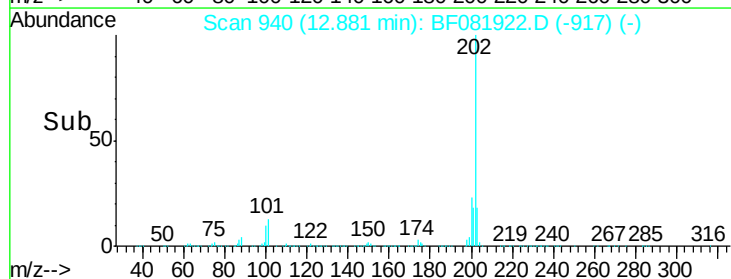
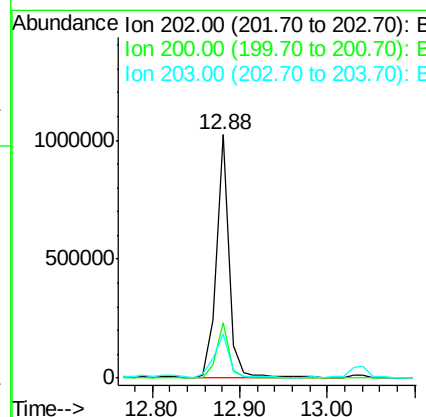
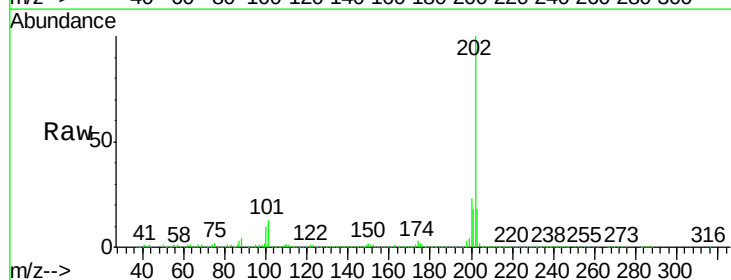
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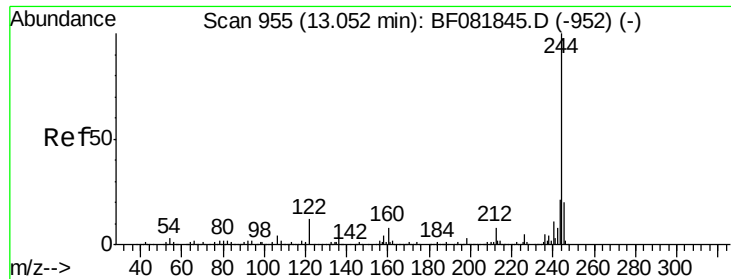
MMDadoda
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#77
Pyrene
Concen: 59.45 ng m
RT: 12.88 min Scan# 940
Delta R.T. -0.03 min
Lab File: BF081922.D
Acq: 1 Oct 2015 1:23

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1033546		
200	22.6	15.0	22.4#	
203	18.3	14.1	21.1	





#78

Terphenyl-d14

Concen: 28.28 ng

RT: 13.02 min Scan# 952

Delta R.T. -0.03 min

Lab File: BF081922.D

Acq: 1 Oct 2015 1:23

Instrument :

BNA_F

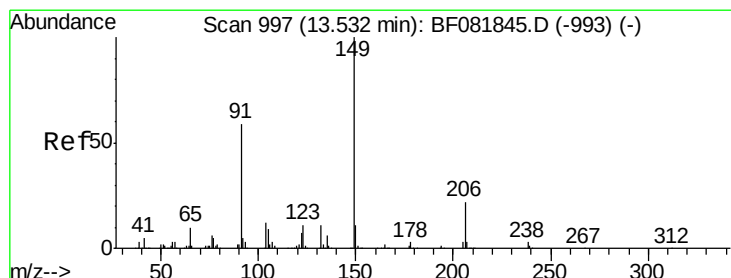
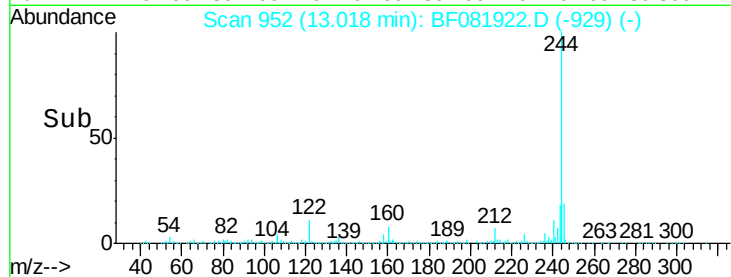
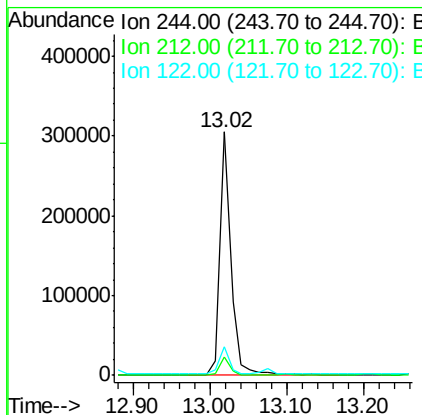
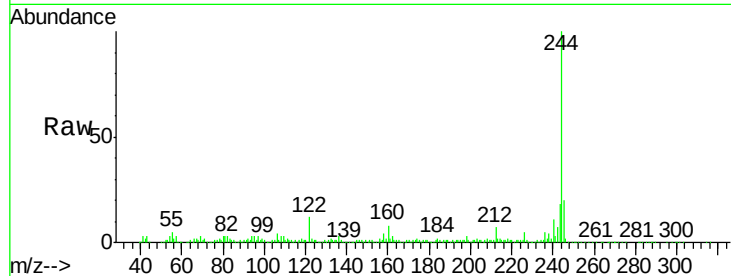
ClientSampleId :

009-TB-8(0-4)

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	4.3	6.5#
122	11.8	17.4	26.2#

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#79

Butylbenzylphthalate

Concen: 78.34 ng

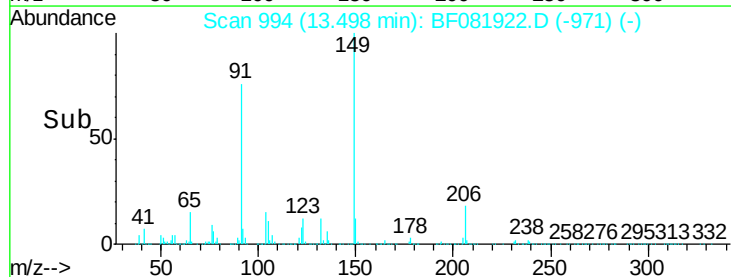
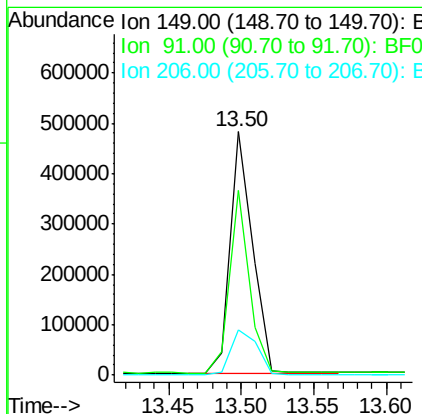
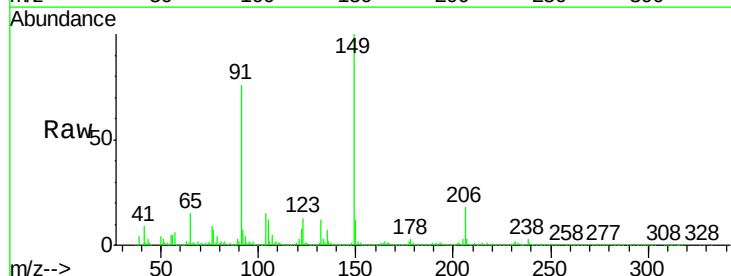
RT: 13.50 min Scan# 994

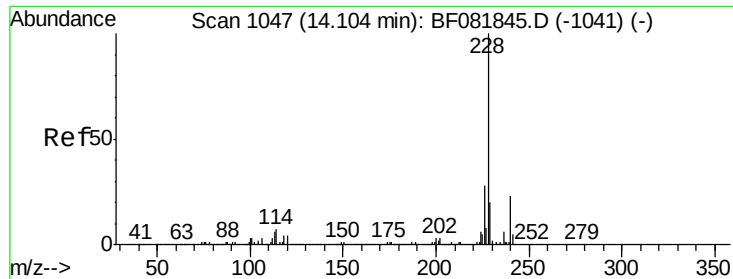
Delta R.T. -0.03 min

Lab File: BF081922.D

Acq: 1 Oct 2015 1:23

Tgt Ion	Ratio	Lower	Upper
149	100		
91	76.0	48.6	72.8#
206	18.4	14.9	22.3





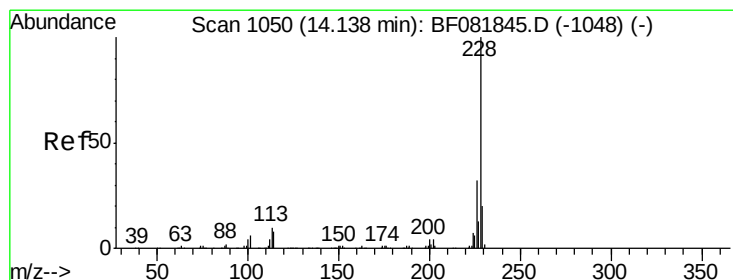
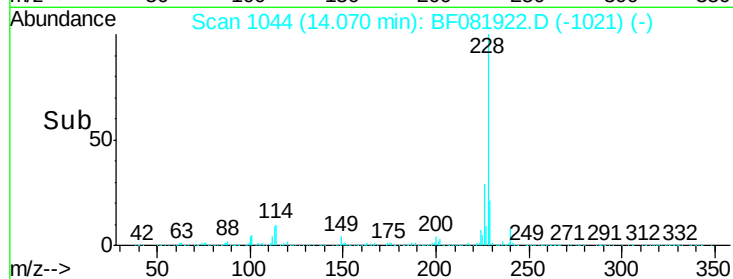
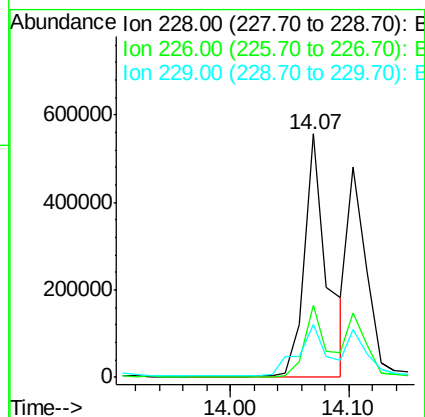
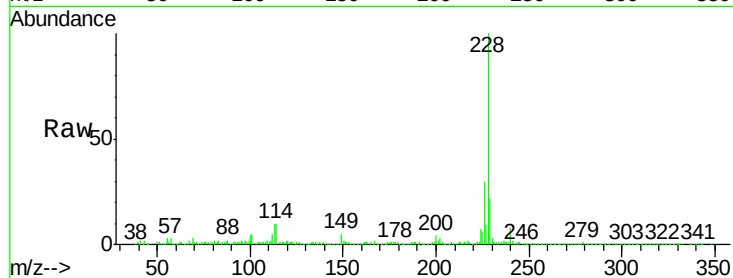
#80
Benzo(a)anthracene
Concen: 47.19 ng
RT: 14.07 min Scan# 1044
Delta R.T. -0.03 min
Lab File: BF081922.D
Acq: 1 Oct 2015 1:23

Instrument :
BNA_F
ClientSampleId :
009-TB-8(0-4)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	20.0	30.0
229	21.9	15.4	23.2

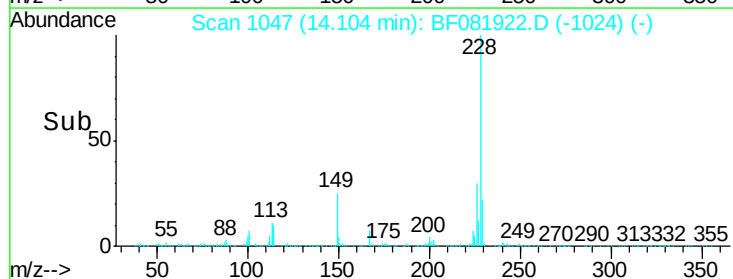
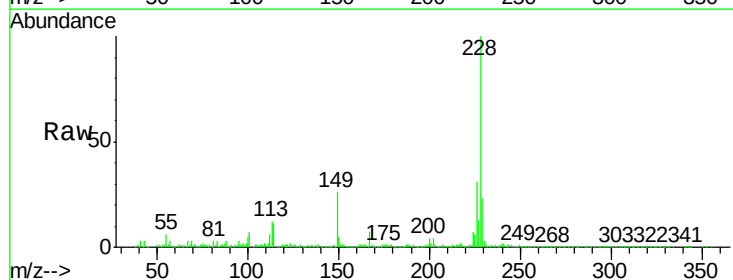
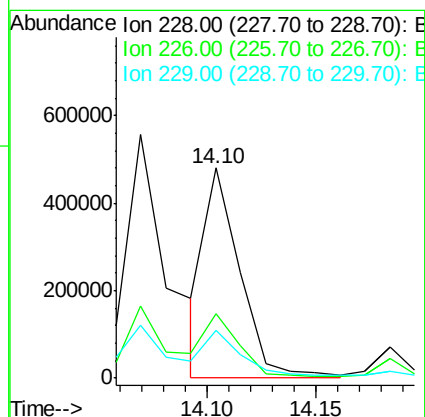
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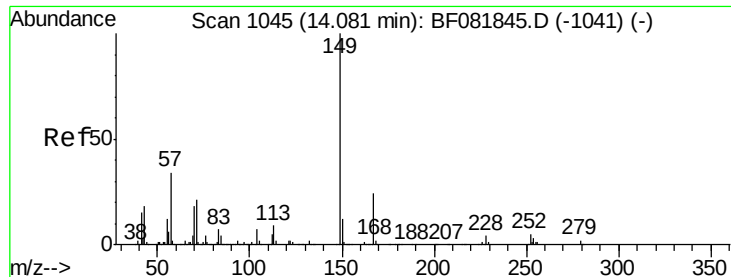
MMDadoda
10/1/2015 2:24:12 PM



#82
Chrysene
Concen: 35.12 ng
RT: 14.10 min Scan# 1047
Delta R.T. -0.03 min
Lab File: BF081922.D
Acq: 1 Oct 2015 1:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	21.0	31.4
229	22.6	15.6	23.4





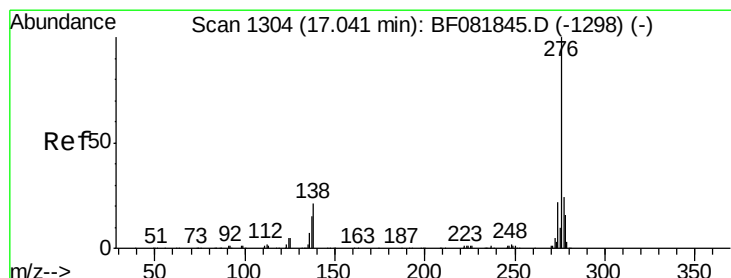
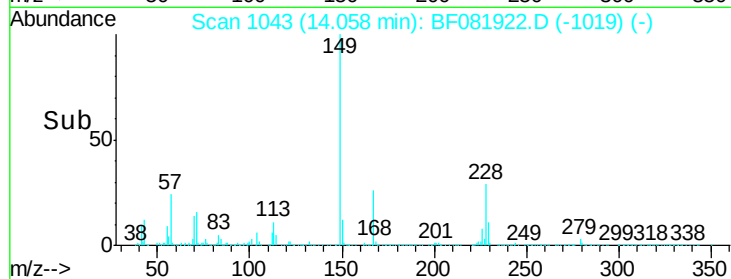
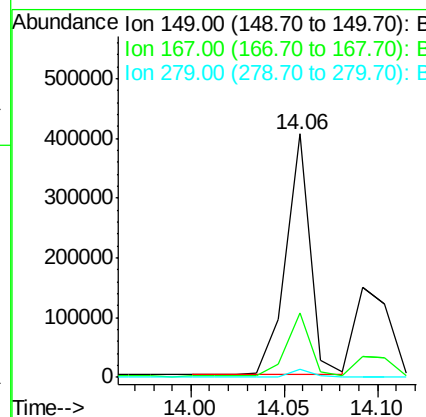
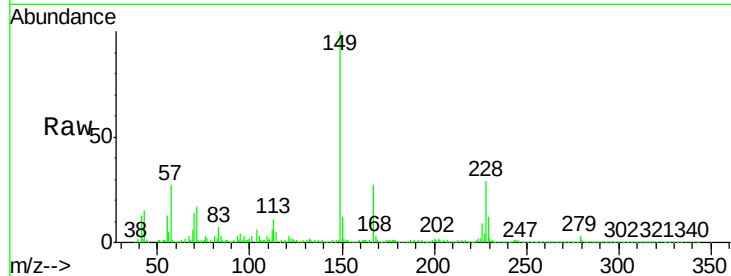
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 43.92 ng
 RT: 14.06 min Scan# 1043
 Delta R.T. -0.02 min
 Lab File: BF081922.D
 Acq: 1 Oct 2015 1:23

Instrument :
 BNA_F
 ClientSampleId :
 009-TB-8(0-4)

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	26.6	24.2	36.2
279	3.4	3.8	5.6#

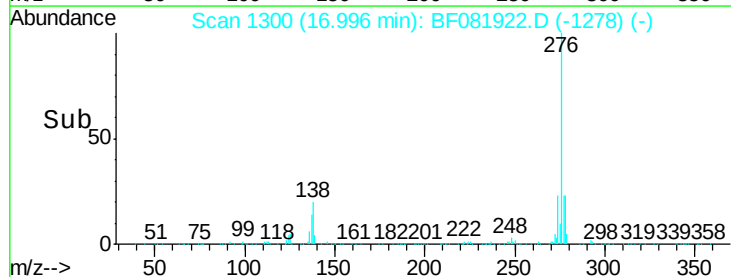
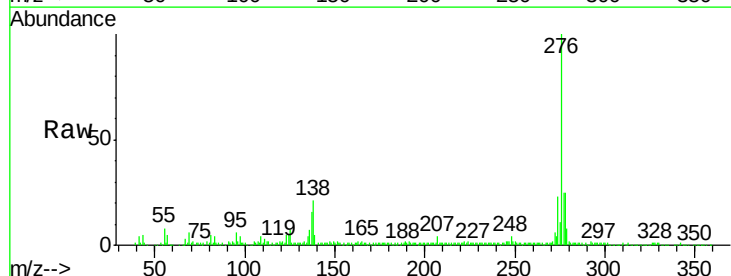
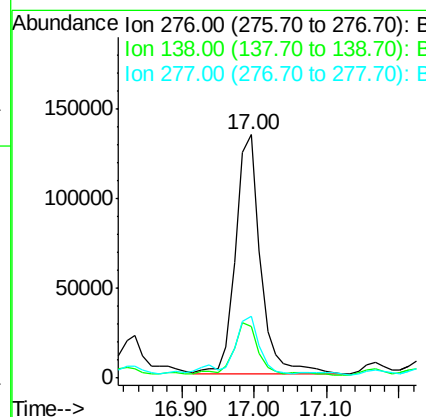
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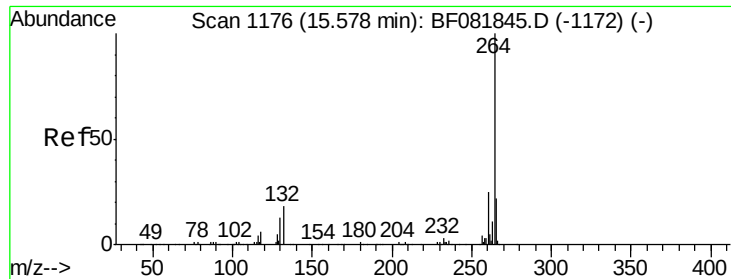
MMDadoda
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 26.17 ng
 RT: 17.00 min Scan# 1300
 Delta R.T. -0.05 min
 Lab File: BF081922.D
 Acq: 1 Oct 2015 1:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	20.3	25.7	38.5#
277	25.2	15.6	23.4#





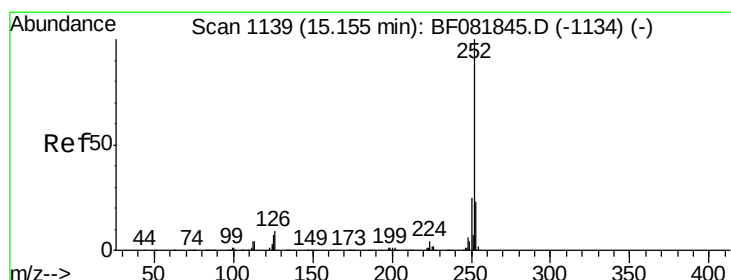
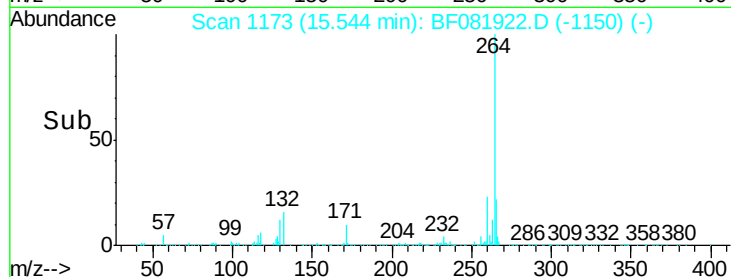
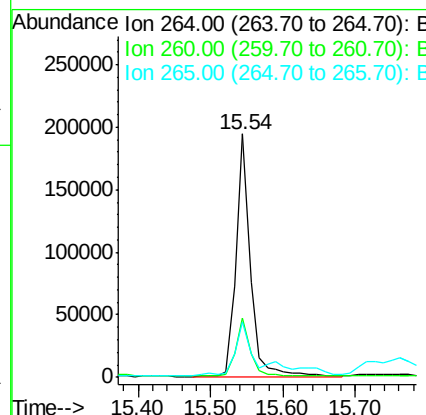
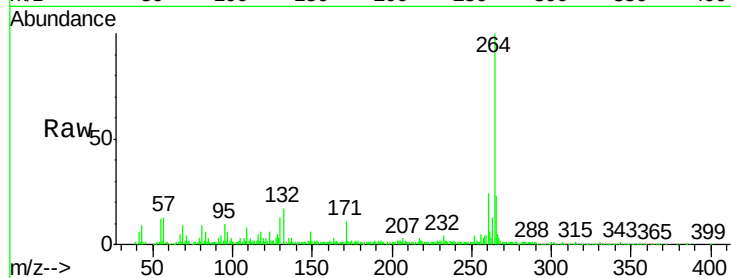
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 1173
Delta R.T. -0.03 min
Lab File: BF081922.D
Acq: 1 Oct 2015 1:23

Instrument :
BNA_F
ClientSampleId :
009-TB-8(0-4)

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.2	16.7	25.1
265	22.9	17.2	25.8

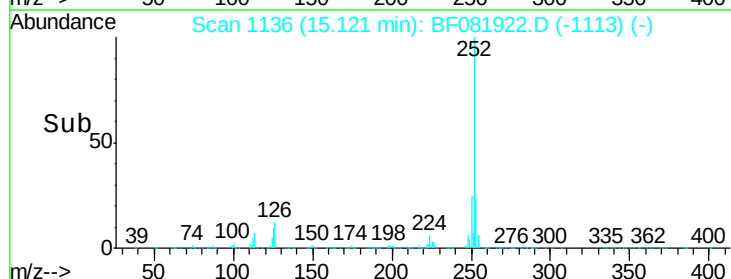
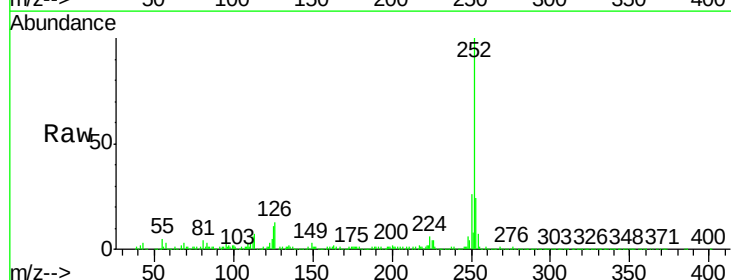
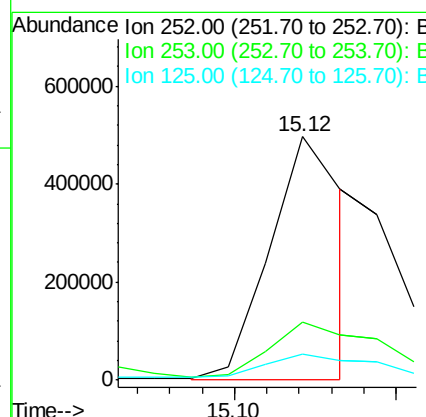
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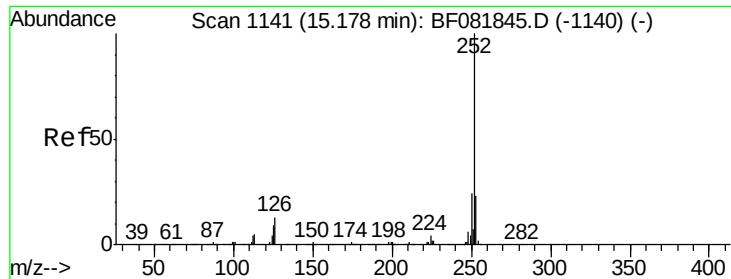
MMDadoda
10/1/2015 2:24:12 PM



#87
Benzo(b)fluoranthene
Concen: 51.96 ng m
RT: 15.12 min Scan# 1136
Delta R.T. -0.03 min
Lab File: BF081922.D
Acq: 1 Oct 2015 1:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.7	17.5	26.3
125	10.7	17.1	25.7#





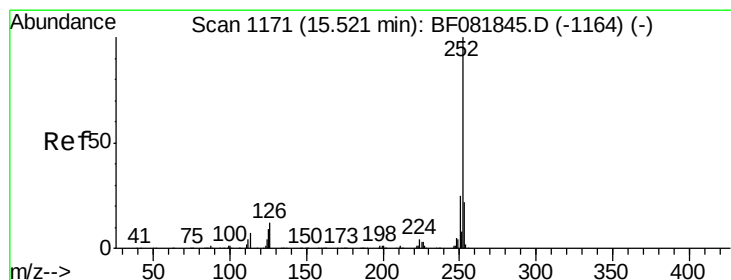
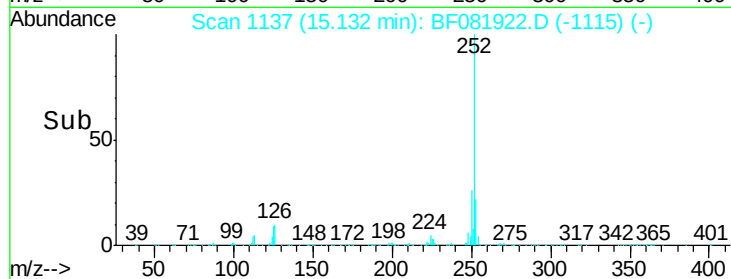
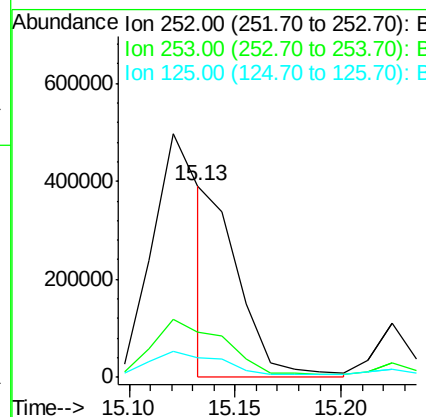
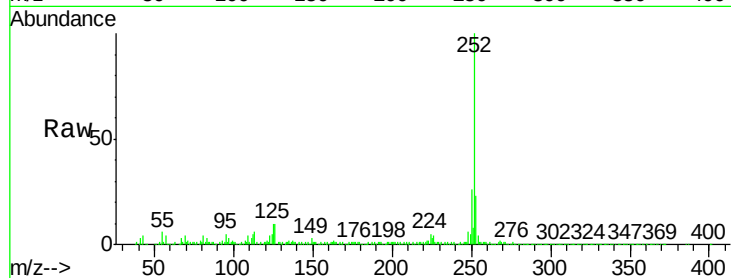
#88
Benzo(k)fluoranthene
Concen: 27.20 ng m
RT: 15.13 min Scan# 1137
Delta R.T. -0.05 min
Lab File: BF081922.D
Acq: 1 Oct 2015 1:23

Instrument :
BNA_F
ClientSampleId :
009-TB-8(0-4)

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	379539		
253	23.3	17.0	25.4	
125	10.4	16.0	24.0	

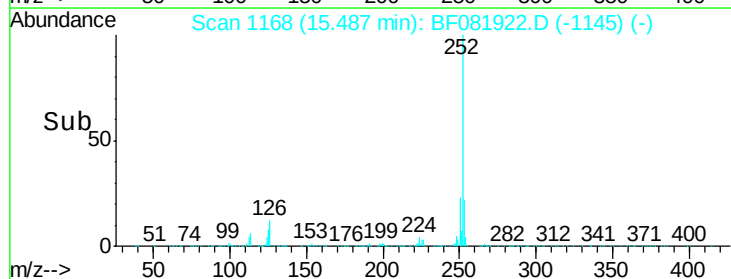
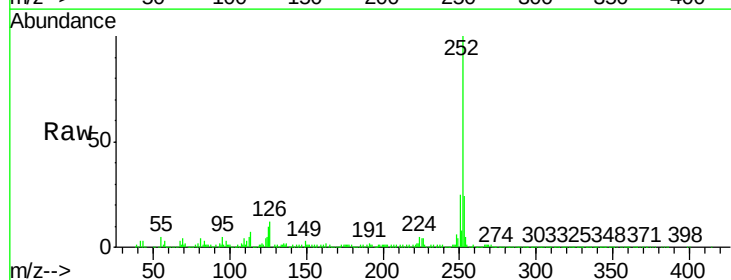
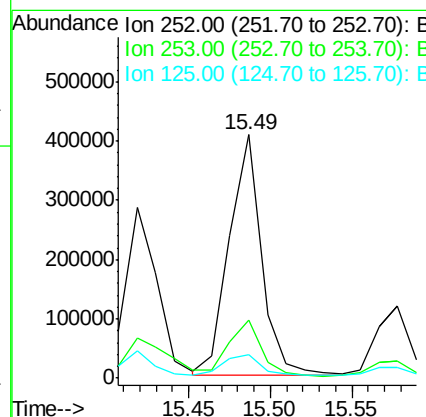
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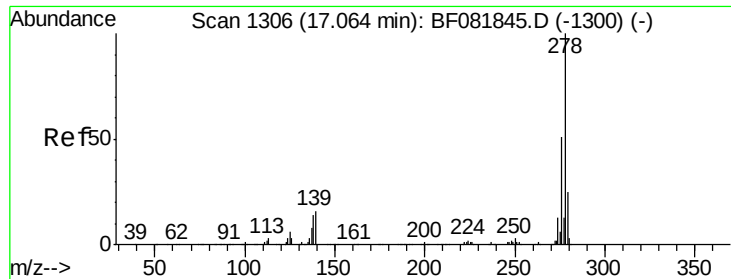
MMDadoda
10/1/2015 2:24:12 PM



#89
Benzo(a)pyrene
Concen: 42.16 ng
RT: 15.49 min Scan# 1168
Delta R.T. -0.03 min
Lab File: BF081922.D
Acq: 1 Oct 2015 1:23

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	556719		
253	23.8	17.2	25.8	
125	9.7	18.0	27.0	





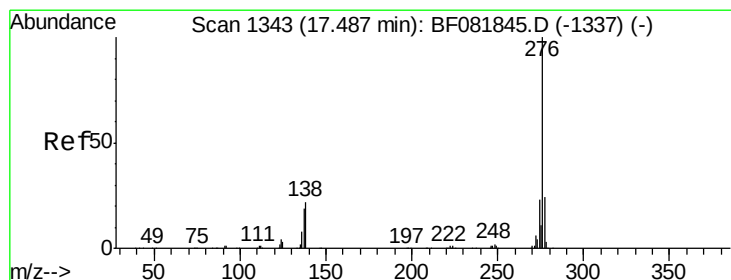
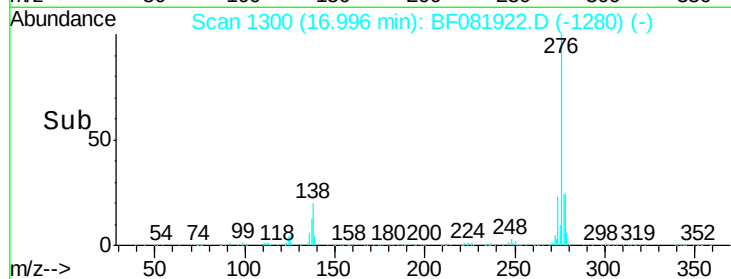
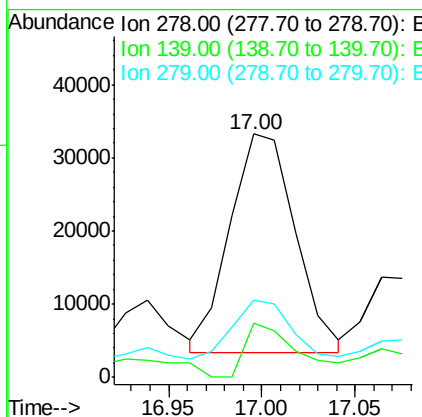
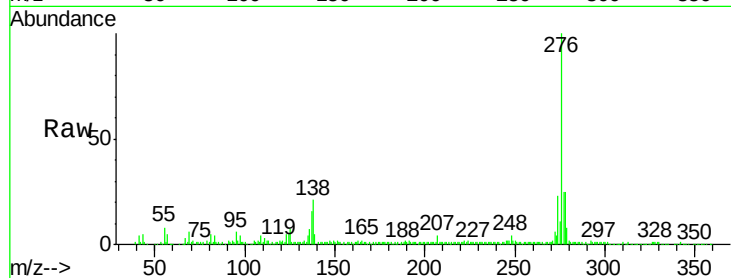
#90
Dibenzo(a,h)anthracene
Concen: 6.62 ng m
RT: 17.00 min Scan# 1300
Delta R.T. -0.07 min
Lab File: BF081922.D
Acq: 1 Oct 2015 1:23

Instrument :
BNA_F
ClientSampleId :
009-TB-8(0-4)

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.1	26.3	39.5#
279	31.9	18.2	27.4#

Manual Integrations
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10/1/2015 2:24:12 PM



#91
Benzo(g,h,i)perylene
Concen: 25.10 ng
RT: 17.43 min Scan# 1338
Delta R.T. -0.06 min
Lab File: BF081922.D
Acq: 1 Oct 2015 1:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	17.8	26.6
138	21.3	34.6	51.8#

