

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
 Data File : BF081519.D
 Acq On : 6 Sep 2015 19:56
 Operator : UM/IZ
 Sample : G3490-01RE
 Misc :
 ALS Vial : 94 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 28TP22(4.5-5)RE

Manual Integrations
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Quant Time: Sep 07 07:39:23 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 07 05:41:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.35	152	44173	20.00	ng	-0.01
21) Naphthalene-d8	7.64	136	161320	20.00	ng	-0.01
38) Acenaphthene-d10	9.39	164	67729	20.00	ng	0.00
63) Phenanthrene-d10	10.86	188	111438	20.00	ng	0.00
75) Chrysene-d12	13.49	240	82325	20.00	ng	0.02
86) Perylene-d12	14.80	264	54734	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	4.91	112	374962	131.70	ng	0.02
7) Phenol-d6	6.03	99	514398	136.50	ng	0.00
23) Nitrobenzene-d5	6.94	82	294310	88.02	ng	-0.01
41) 2,4,6-Tribromophenol	10.18	330	66948	111.01	ng	0.00
44) 2-Fluorobiphenyl	8.73	172	418397	79.16	ng	-0.01
78) Terphenyl-d14	12.45	244	248346	70.22	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.14	163	64242	12.21	ng	# 97
51) Acenaphthene	9.42	154	14221	3.13	ng	86
57) Fluorene	9.93	166	20151	4.00	ng	# 90
70) Phenanthrene	10.88	178	125604	20.27	ng	98
71) Anthracene	10.94	178	59161m	9.29	ng	
72) Carbazole	11.10	167	16734	2.80	ng	# 81
73) Di-n-butylphthalate	11.45	149	16936m	2.40	ng	
74) Fluoranthene	12.07	202	441921	65.89	ng	85
77) Pyrene	12.29	202	359829	59.01	ng	95
79) Butylbenzylphthalate	12.94	149	60380	22.77	ng	# 74
80) Benzo(a)anthracene	13.47	228	132544m	25.28	ng	
82) Chrysene	13.51	228	116560m	24.80	ng	
83) Bis(2-ethylhexyl)phthalate	13.51	149	365944	104.56	ng	# 90
85) Indeno(1,2,3-cd)pyrene	15.89	276	20295	5.89	ng	# 87
87) Benzo(b)fluoranthene	14.47	252	83127m	21.27	ng	
88) Benzo(k)fluoranthene	14.48	252	33412m	10.30	ng	
89) Benzo(a)pyrene	14.75	252	50855	15.36	ng	# 76
91) Benzo(g,h,i)perylene	16.21	276	19515	7.99	ng	# 81

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

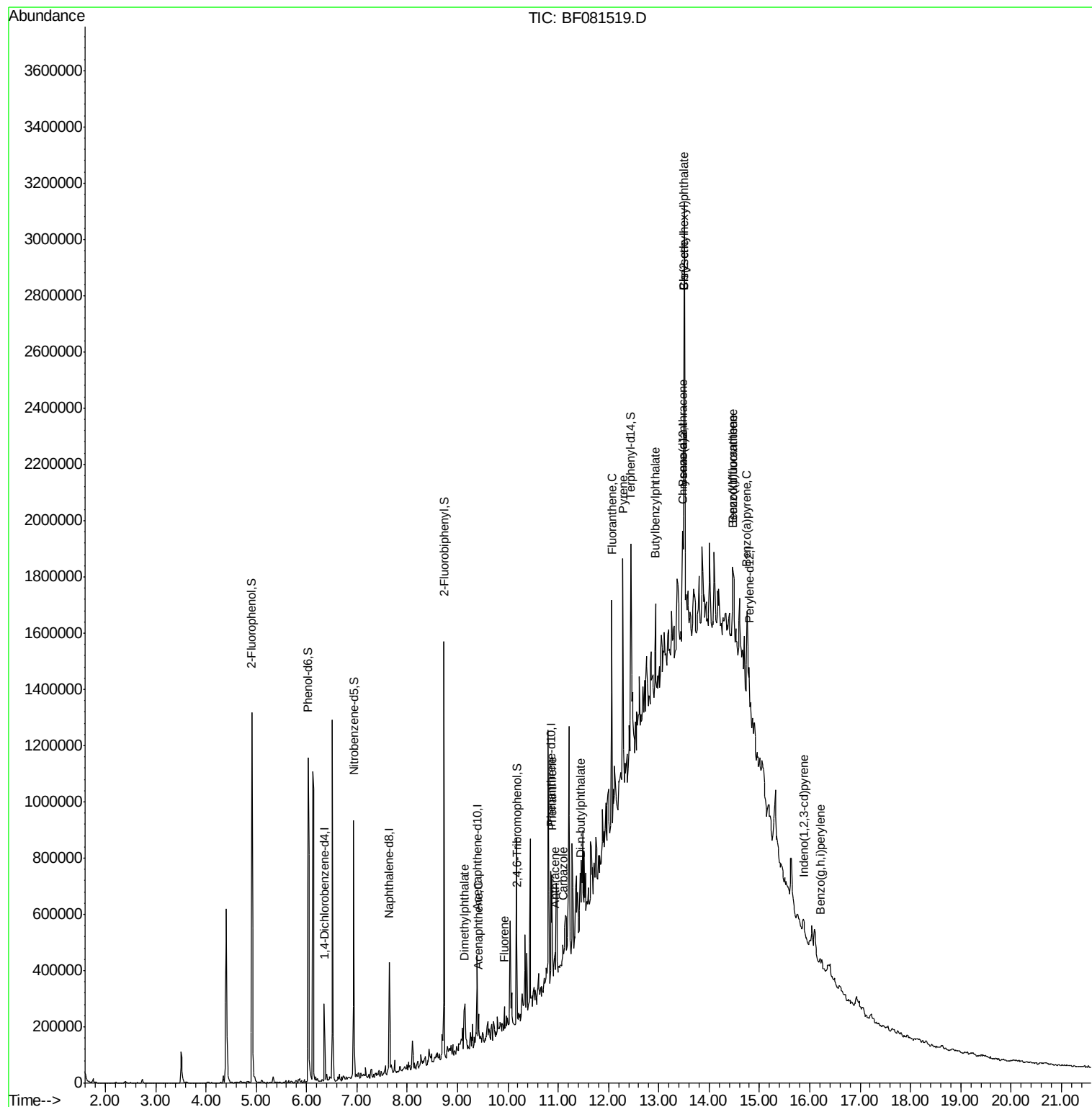
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081519.D
Acq On : 6 Sep 2015 19:56
Operator : UM/IZ
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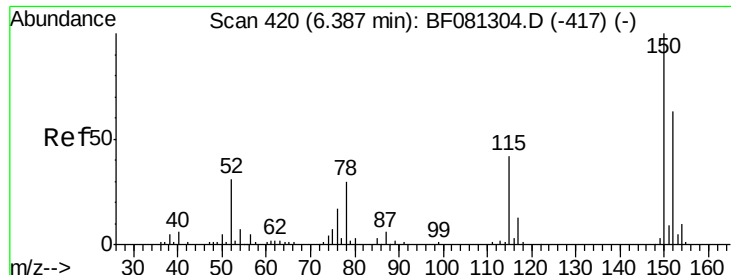
Instrument :
BNA_F
ClientSampleId :
28TP22(4.5-5)RE

Manual Integrations
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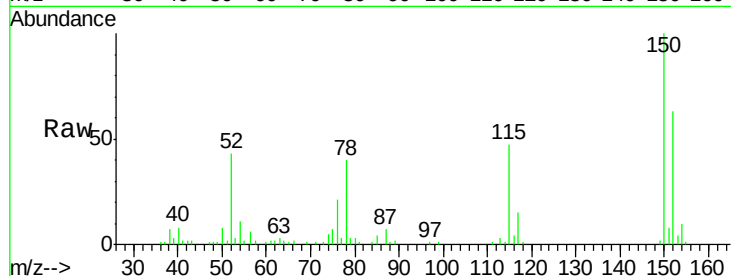
Quant Time: Sep 07 07:39:23 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 07 05:41:57 2015
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.35 min Scan# 417
 Delta R.T. -0.01 min
 Lab File: BF081519.D
 Acq: 6 Sep 2015 19:56

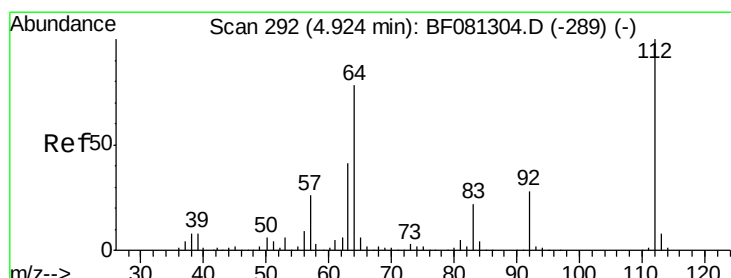
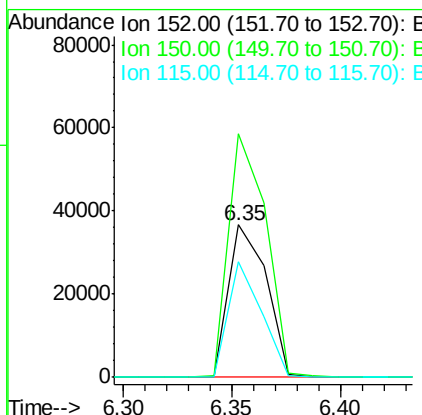
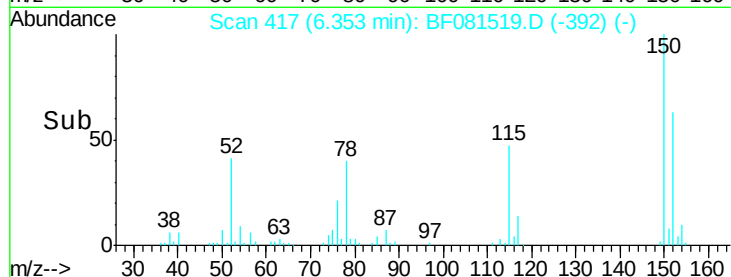
Instrument :
 BNA_F
 ClientSampleId :
 28TP22(4.5-5)RE



Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.7	124.7	187.1
115	75.8	39.0	58.4#

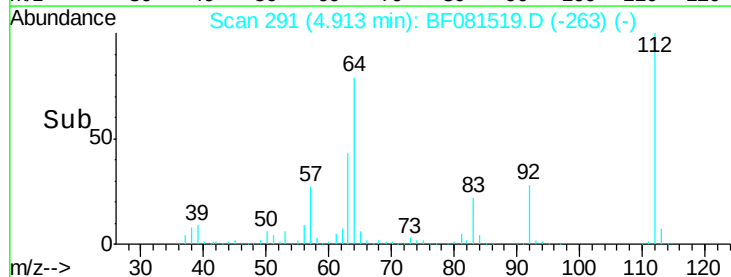
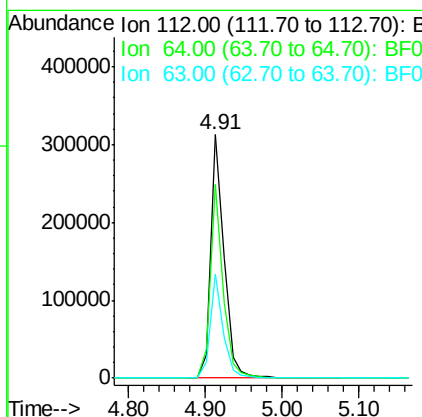
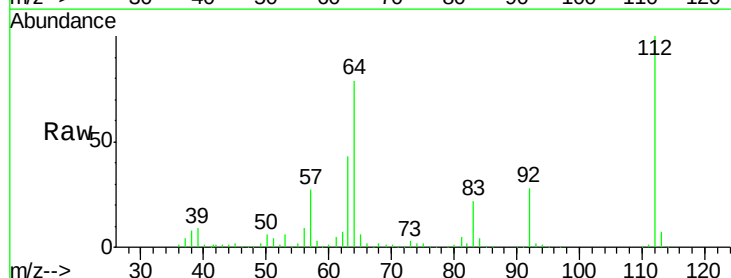
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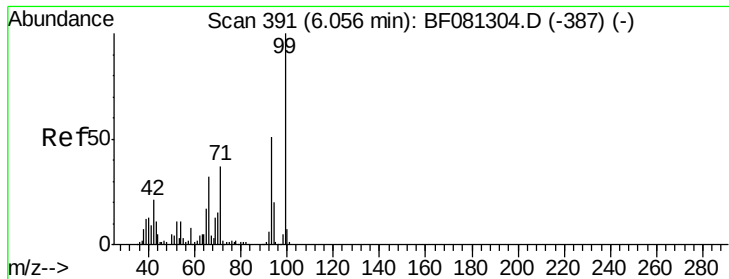
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#5
 2-Fluorophenol
 Concen: 131.70 ng
 RT: 4.91 min Scan# 291
 Delta R.T. 0.02 min
 Lab File: BF081519.D
 Acq: 6 Sep 2015 19:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	79.4	39.7	59.5#
63	42.5	17.4	26.0#





#7

Phenol-d6

Concen: 136.50 ng

RT: 6.03 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF081519.D

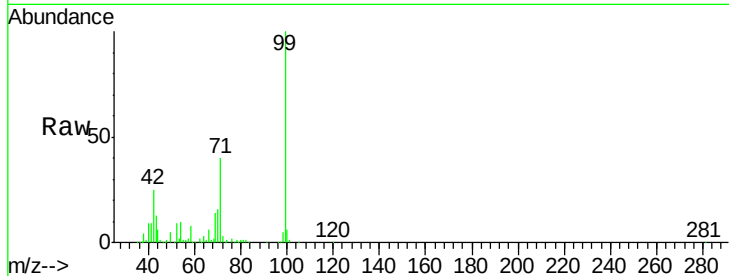
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Instrument :

BNA_F

ClientSampleId :

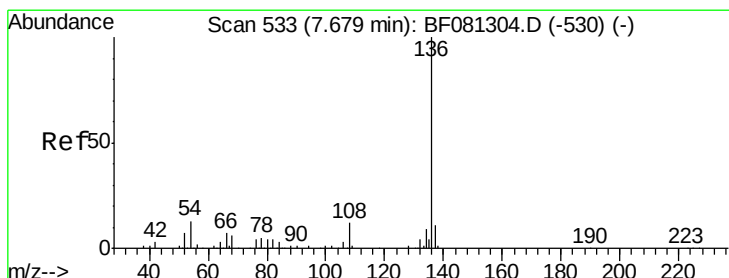
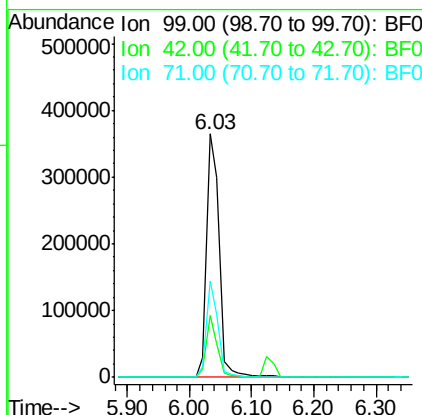
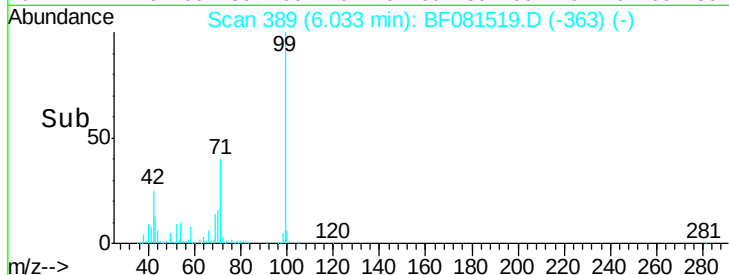
28TP22(4.5-5)RE



Tgt Ion	Ratio	Lower	Upper
99	100		
42	25.2	13.7	20.5#
71	39.5	14.2	21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

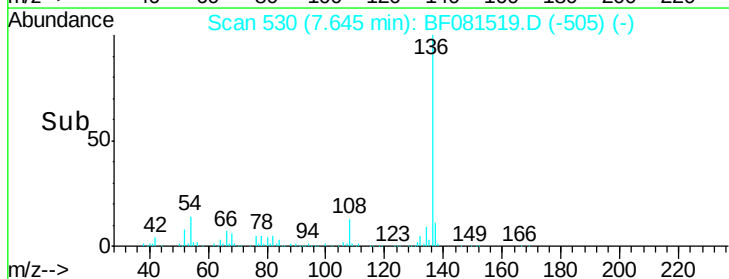
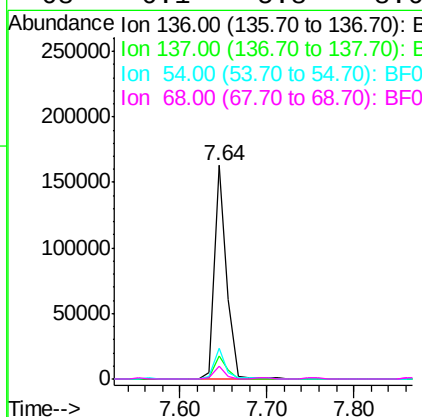
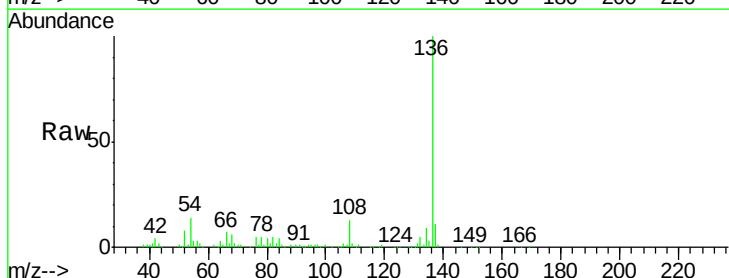
RT: 7.64 min Scan# 530

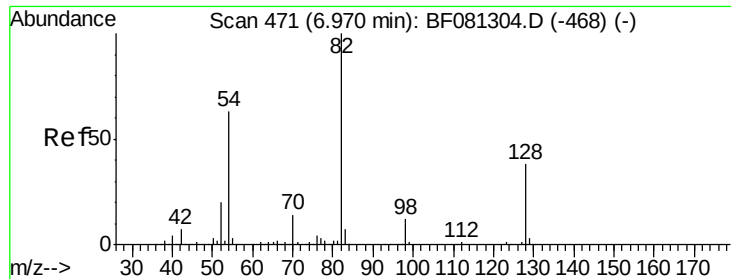
Delta R.T. -0.01 min

Lab File: BF081519.D

Acq: 6 Sep 2015 19:56

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	14.4	8.2	12.2#
68	6.1	5.8	8.6





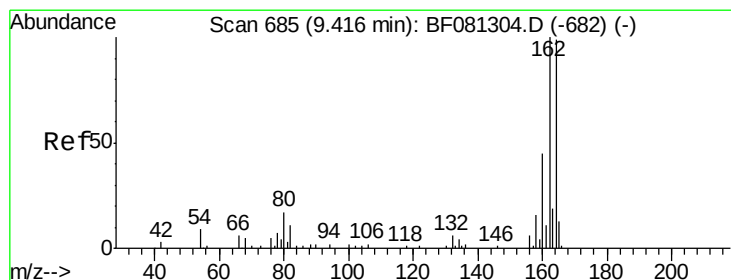
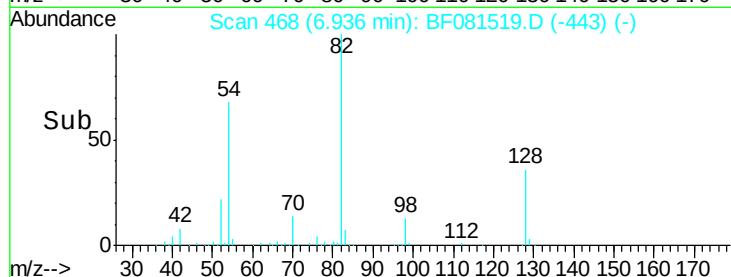
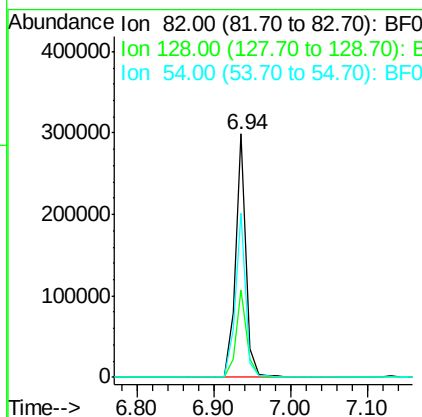
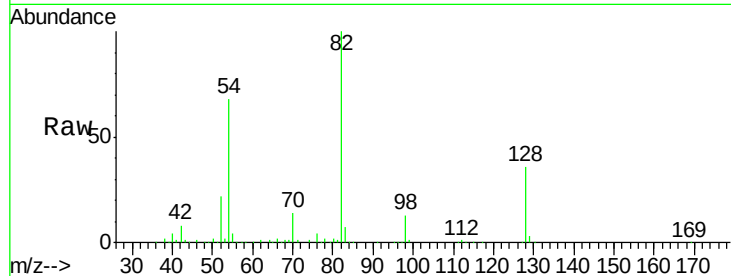
#23
 Nitrobenzene-d5
 Concen: 88.02 ng
 RT: 6.94 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: BF081519.D
 Acq: 6 Sep 2015 19:56

Instrument :
 BNA_F
 ClientSampleId :
 28TP22(4.5-5)RE

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	294310		
128	35.7	51.0	76.6#	
54	67.7	47.5	71.3	

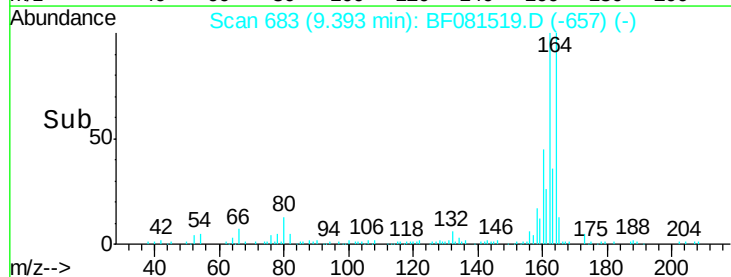
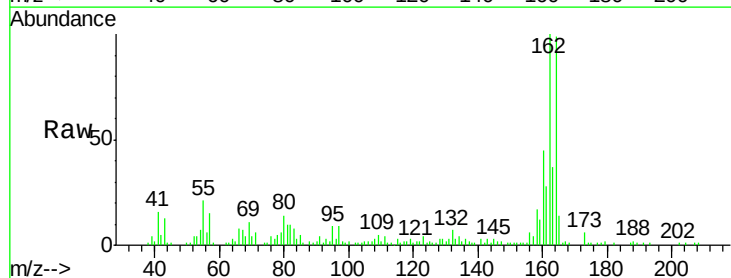
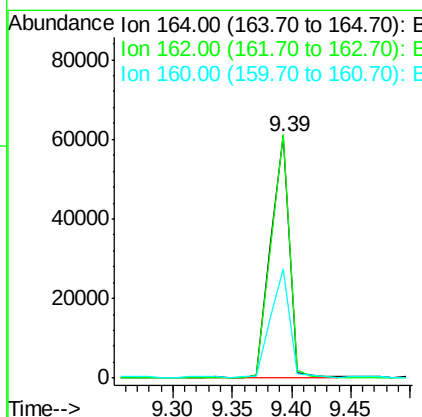
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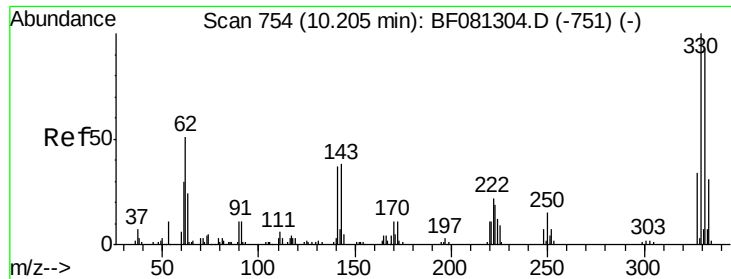
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.39 min Scan# 683
 Delta R.T. 0.00 min
 Lab File: BF081519.D
 Acq: 6 Sep 2015 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	67729		
162	100.7	75.2	112.8	
160	45.4	31.5	47.3	





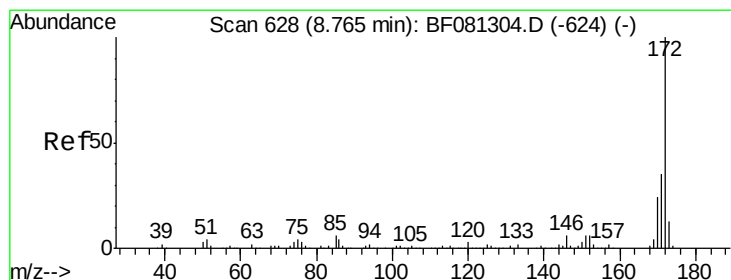
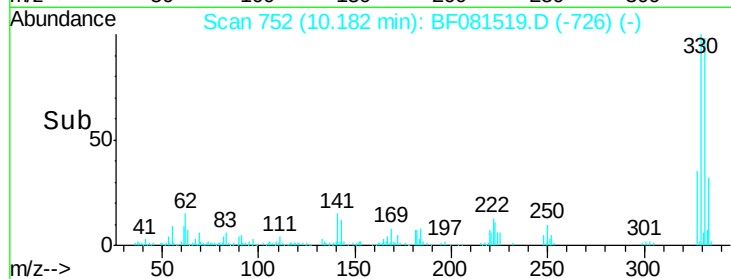
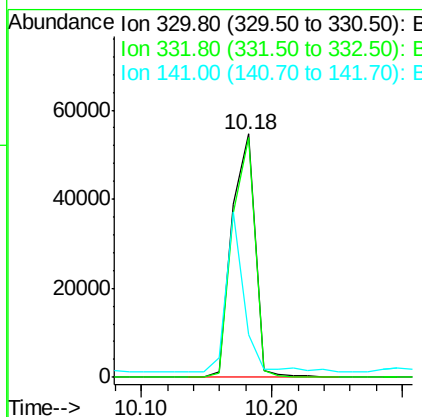
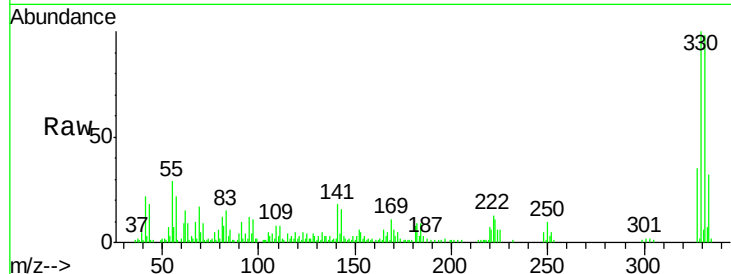
#41
 2,4,6-Tribromophenol
 Concen: 111.01 ng
 RT: 10.18 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: BF081519.D
 Acq: 6 Sep 2015 19:56

Instrument :
 BNA_F
 ClientSampleId :
 28TP22(4.5-5)RE

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	66948		
332	96.0	76.6	114.8	
141	53.4	29.7	44.5#	

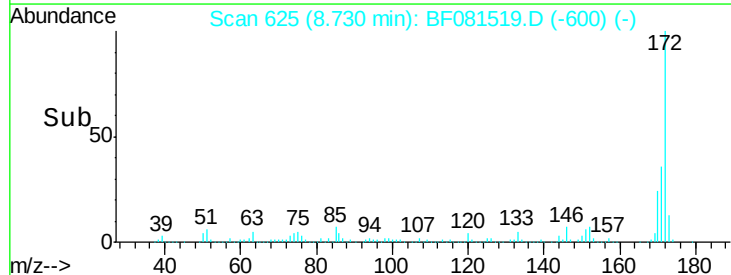
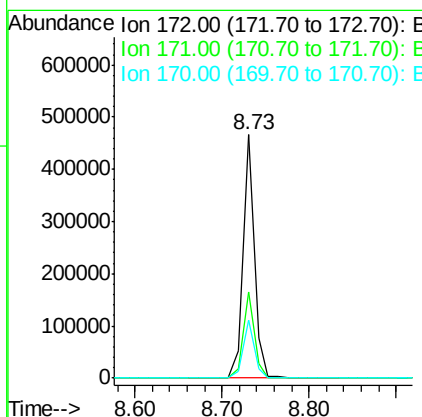
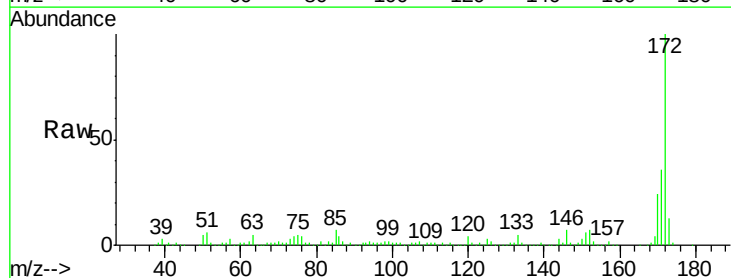
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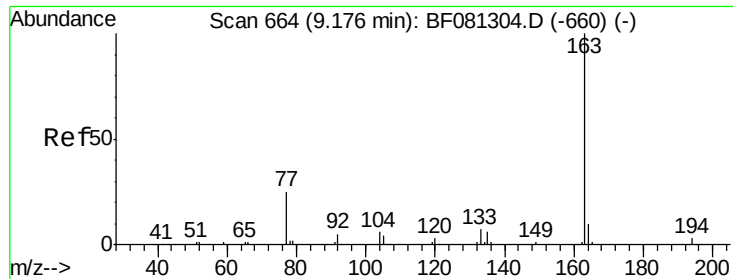
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#44
 2-Fluorobiphenyl
 Concen: 79.16 ng
 RT: 8.73 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: BF081519.D
 Acq: 6 Sep 2015 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	418397		
171	35.5	26.1	39.1	
170	23.7	17.4	26.2	





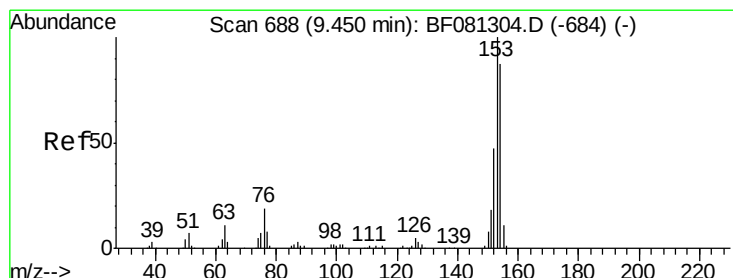
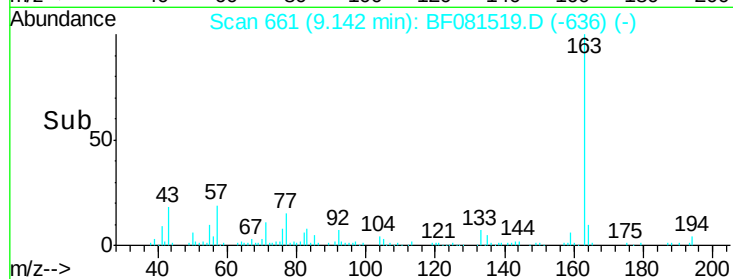
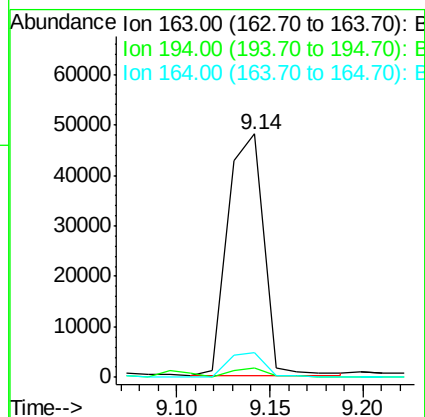
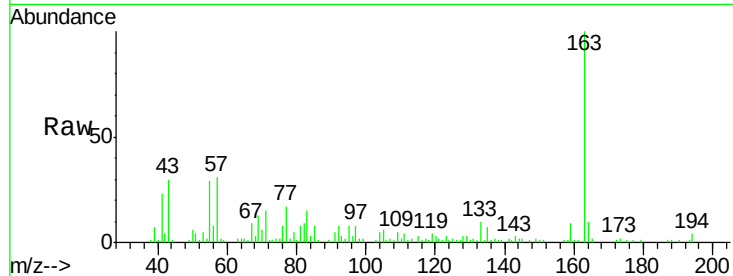
#49
Dimethylphthalate
Concen: 12.21 ng
RT: 9.14 min Scan# 661
Delta R.T. -0.01 min
Lab File: BF081519.D
Acq: 6 Sep 2015 19:56

Instrument :
BNA_F
ClientSampleId :
28TP22(4.5-5)RE

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	64242		
194	3.8	4.4	6.6#	
164	9.9	8.3	12.5	

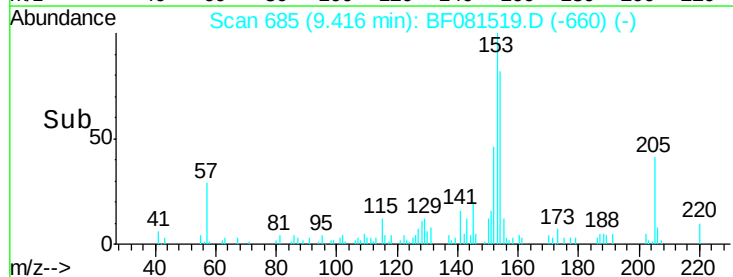
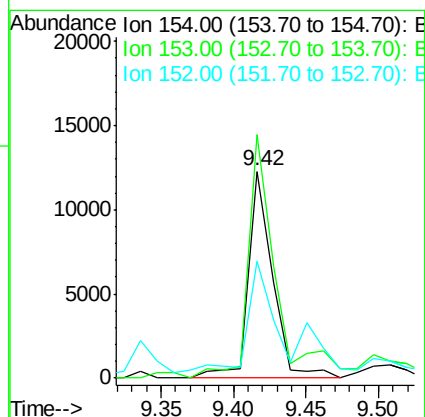
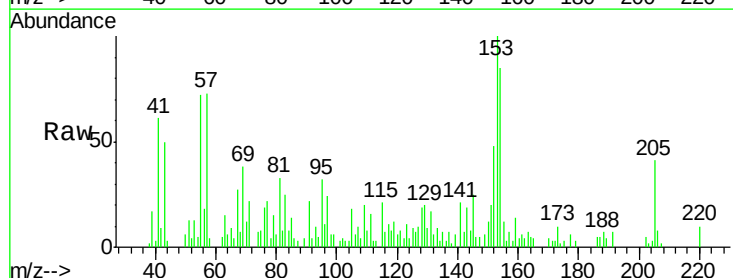
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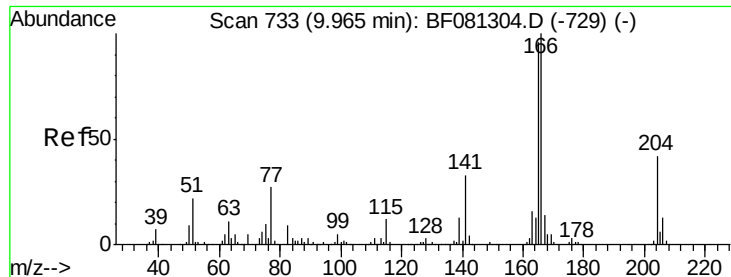
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#51
Acenaphthene
Concen: 3.13 ng
RT: 9.42 min Scan# 685
Delta R.T. -0.01 min
Lab File: BF081519.D
Acq: 6 Sep 2015 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	14221		
153	117.7	82.1	123.1	
152	56.6	37.9	56.9	





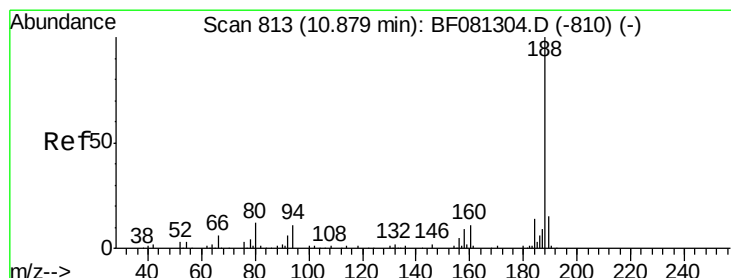
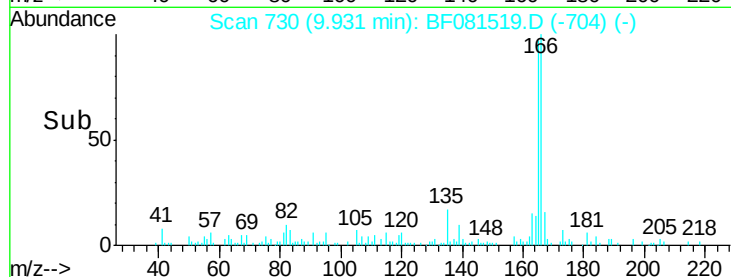
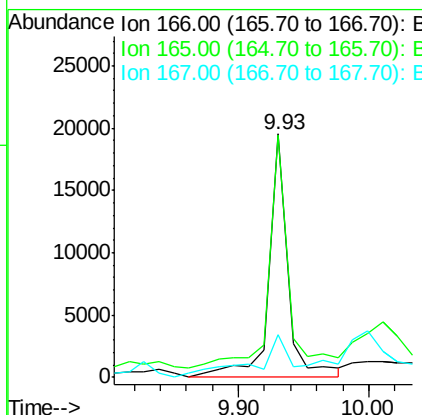
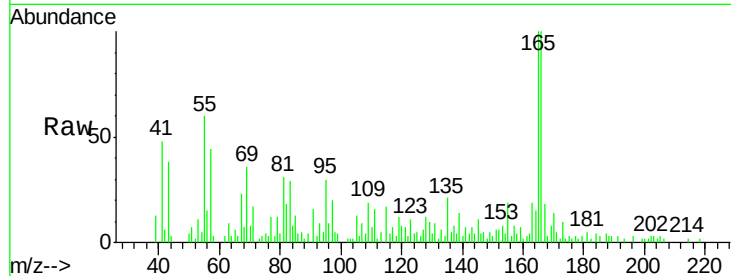
#57
 Fluorene
 Concen: 4.00 ng
 RT: 9.93 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: BF081519.D
 Acq: 6 Sep 2015 19:56

Instrument :
 BNA_F
 ClientSampleId :
 28TP22(4.5-5)RE

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	20151		
165	99.7	72.6	109.0	
167	17.5	10.6	16.0	

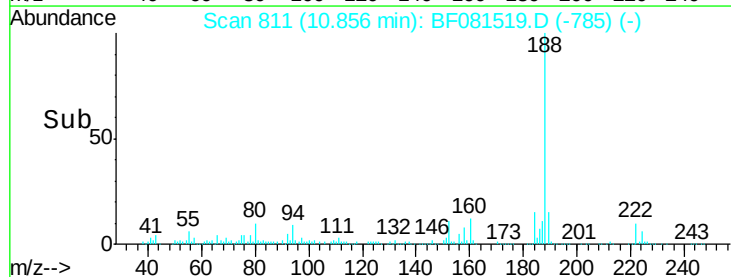
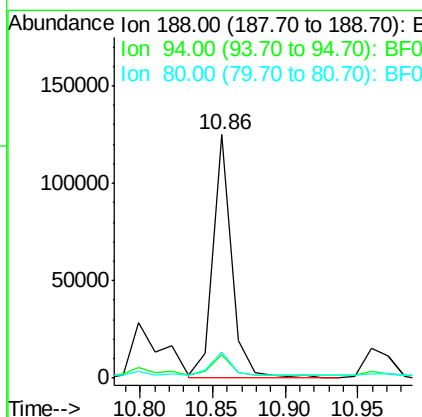
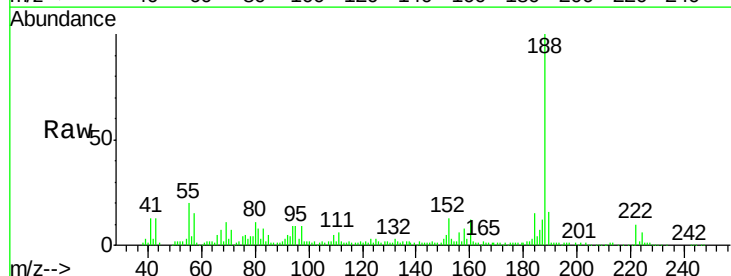
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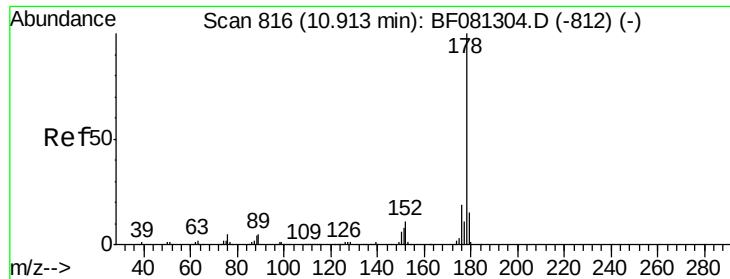
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.86 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: BF081519.D
 Acq: 6 Sep 2015 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	111438		
94	9.4	11.1	16.7	
80	10.8	11.0	16.4	





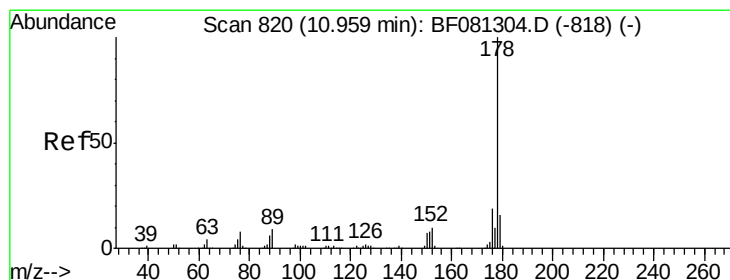
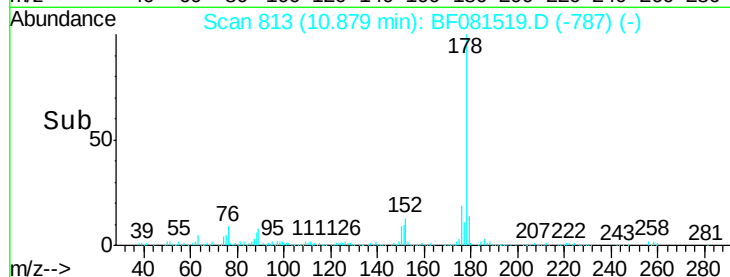
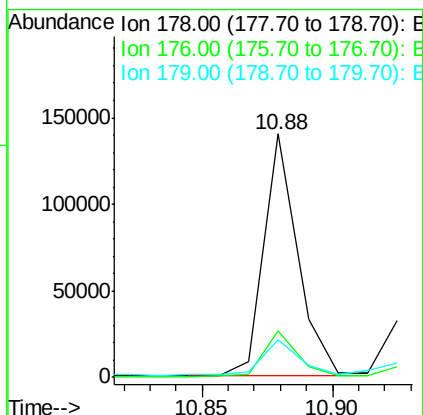
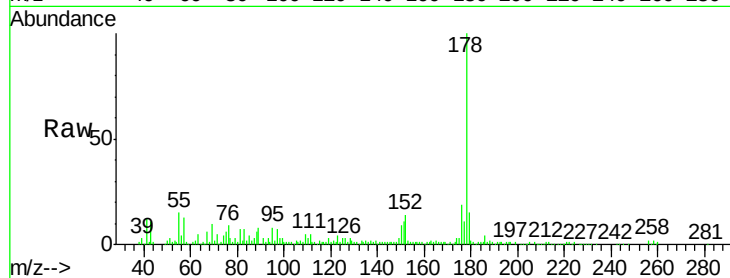
#70
Phenanthrene
Concen: 20.27 ng
RT: 10.88 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF081519.D
Acq: 6 Sep 2015 19:56

Instrument :
BNA_F
ClientSampleId :
28TP22(4.5-5)RE

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	13.8	20.8
179	15.4	12.2	18.2

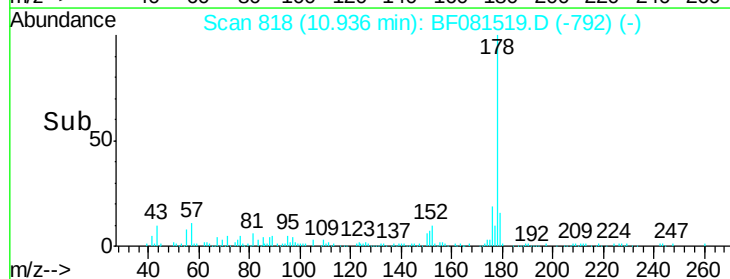
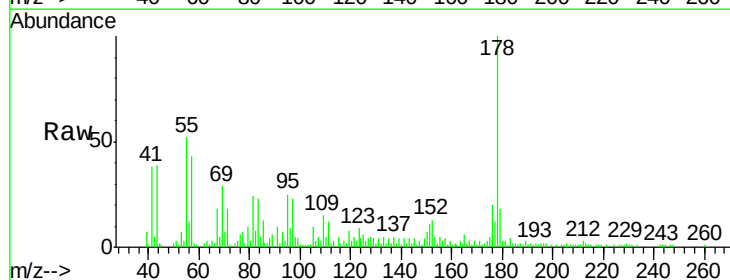
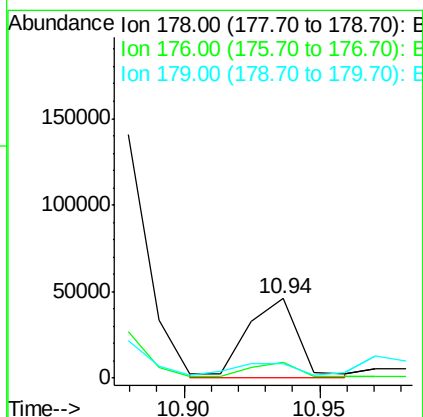
Manual Integrations
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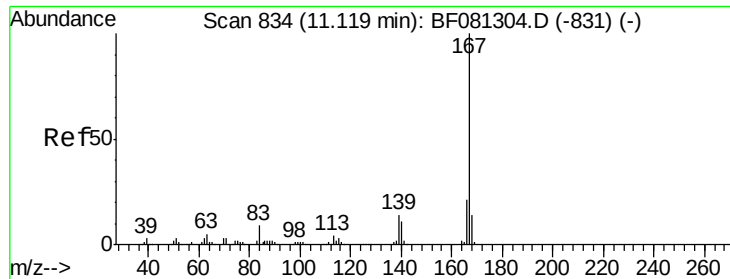
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#71
Anthracene
Concen: 9.29 ng m
RT: 10.94 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF081519.D
Acq: 6 Sep 2015 19:56

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	14.1	21.1
179	18.3	12.2	18.2#





#72

Carbazole

Concen: 2.80 ng

RT: 11.10 min Scan# 832

Delta R.T. 0.00 min

Lab File: BF081519.D

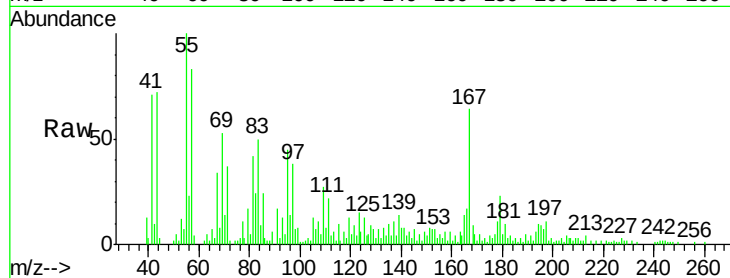
Acq: 6 Sep 2015 19:56

Instrument :

BNA_F

ClientSampleId :

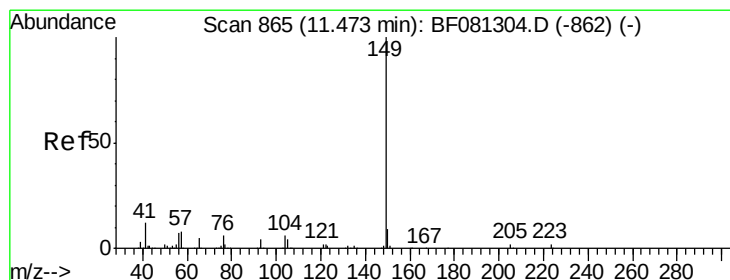
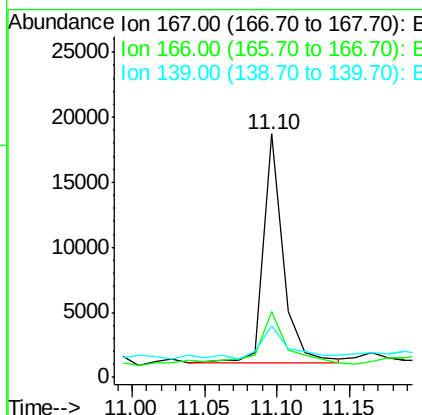
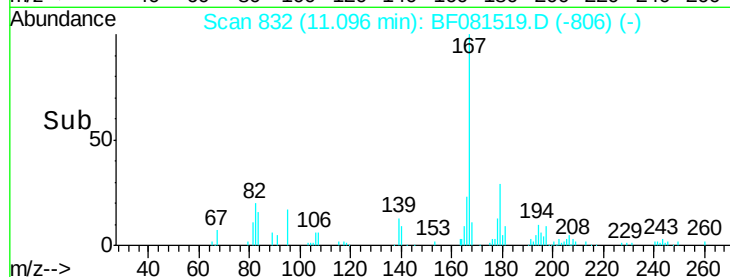
28TP22(4.5-5)RE



Tgt Ion	Ratio	Resp	Lower	Upper
167	100	16734		
166	26.9	15.7	23.5#	
139	21.2	9.5	14.3#	

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#73

Di-n-butylphthalate

Concen: 2.40 ng m

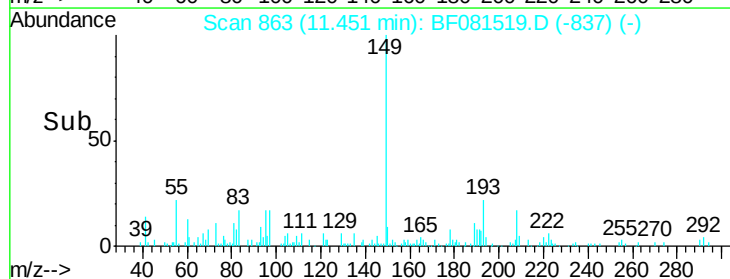
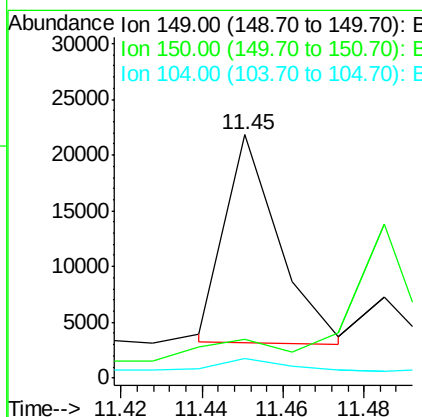
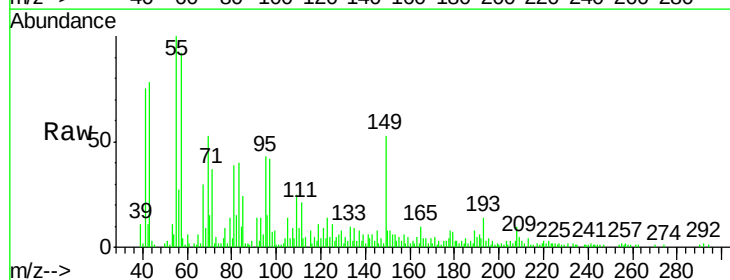
RT: 11.45 min Scan# 863

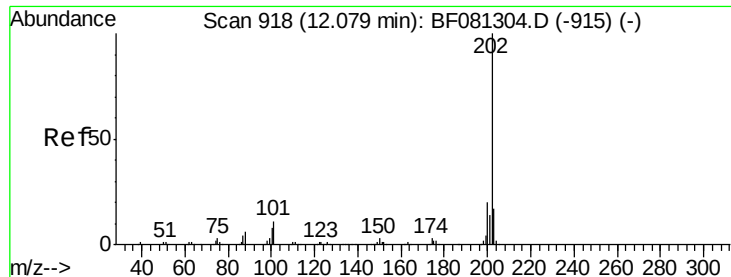
Delta R.T. 0.00 min

Lab File: BF081519.D

Acq: 6 Sep 2015 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	16936		
150	15.9	7.4	11.2#	
104	7.8	2.4	3.6#	





#74

Fluoranthene

Concen: 65.89 ng

RT: 12.07 min Scan# 917

Delta R.T. 0.01 min

Lab File: BF081519.D

Acq: 6 Sep 2015 19:56

Instrument :

BNA_F

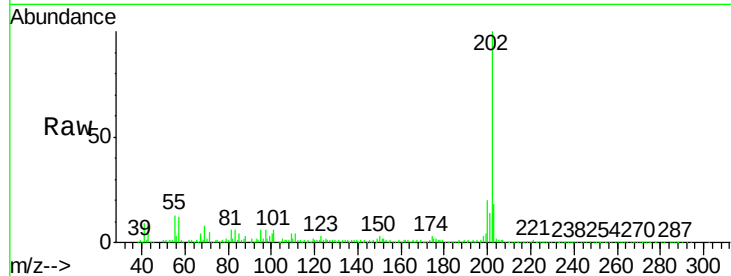
ClientSampleId :

28TP22(4.5-5)RE

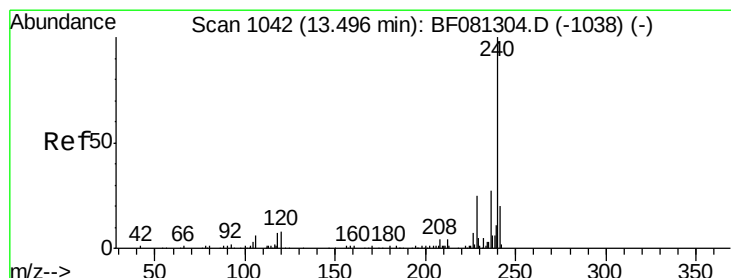
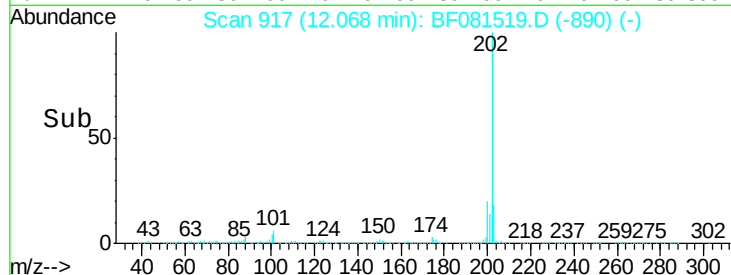
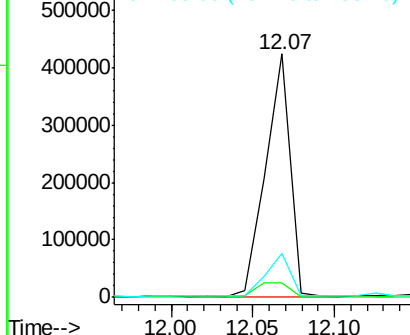
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Tgt Ion	Ratio	Resp	Lower	Upper
202	100	441921		
101	6.1	0.0	38.3	
203	18.0	0.0	37.3	



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

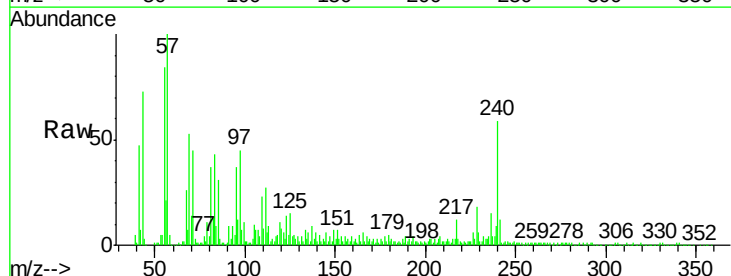
RT: 13.49 min Scan# 1041

Delta R.T. 0.02 min

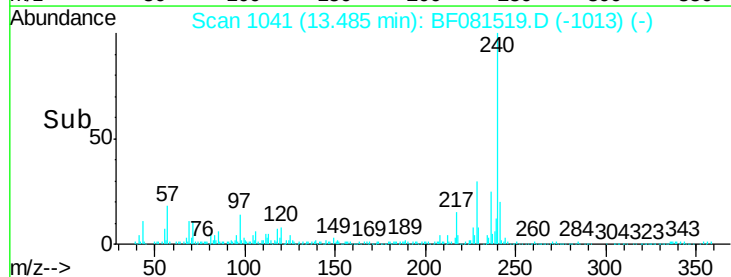
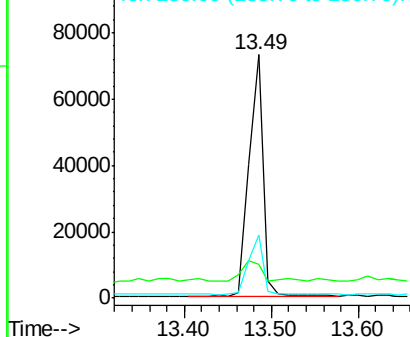
Lab File: BF081519.D

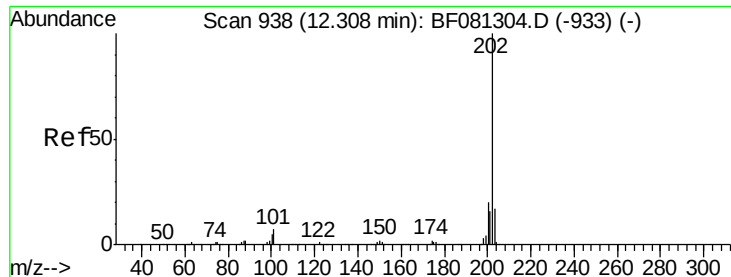
Acq: 6 Sep 2015 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	82325		
120	14.0	16.2	24.2#	
236	26.1	18.4	27.6	



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 59.01 ng

RT: 12.29 min Scan# 936

Delta R.T. 0.01 min

Lab File: BF081519.D

Acq: 6 Sep 2015 19:56

Instrument :

BNA_F

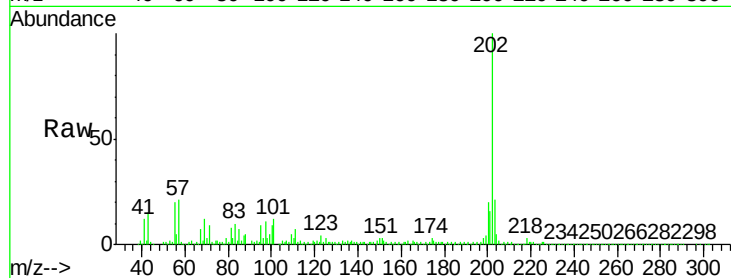
ClientSampleId :

28TP22(4.5-5)RE

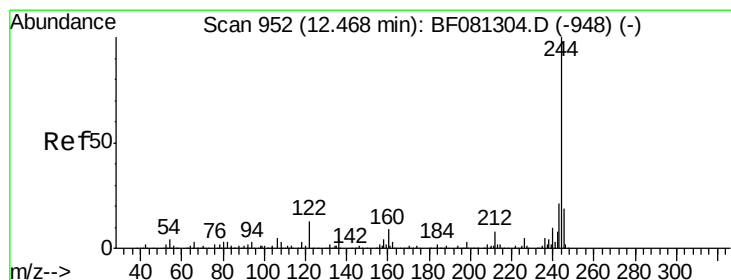
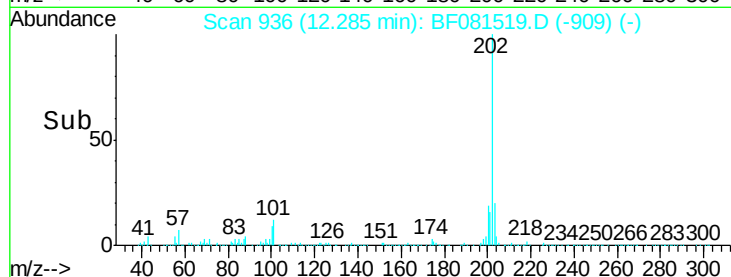
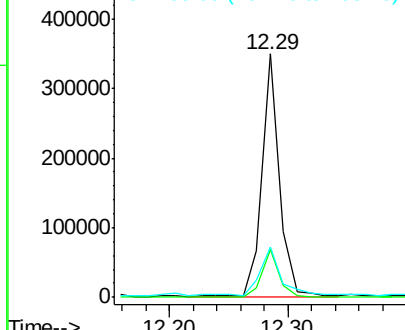
Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	19.6	15.0	22.4	
203	20.9	14.1	21.1	

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 70.22 ng

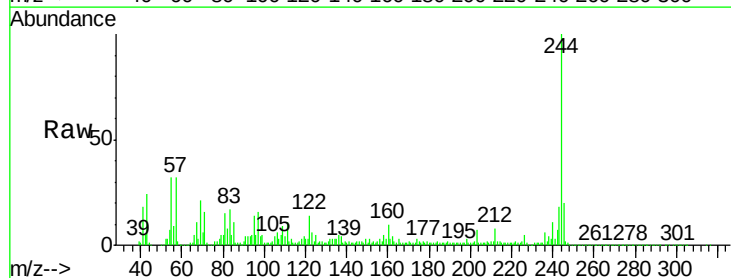
RT: 12.45 min Scan# 950

Delta R.T. 0.00 min

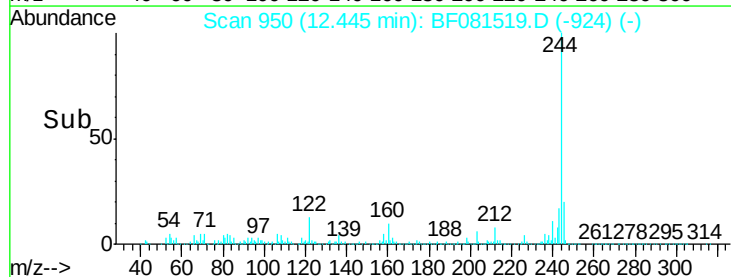
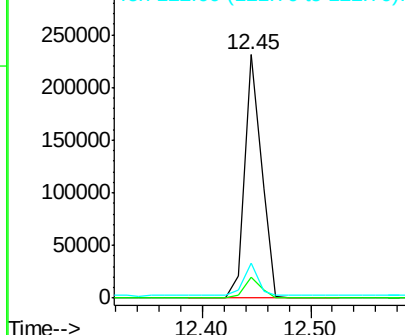
Lab File: BF081519.D

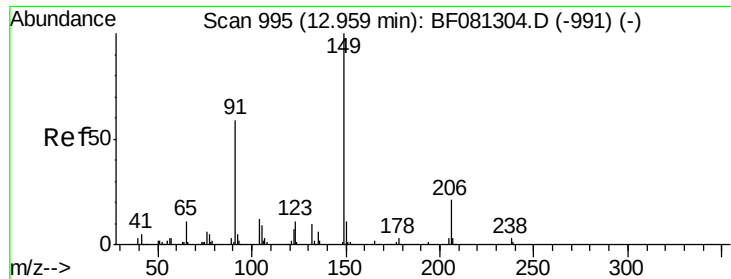
Acq: 6 Sep 2015 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	8.4	4.3	6.5#	
122	14.3	17.4	26.2#	



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





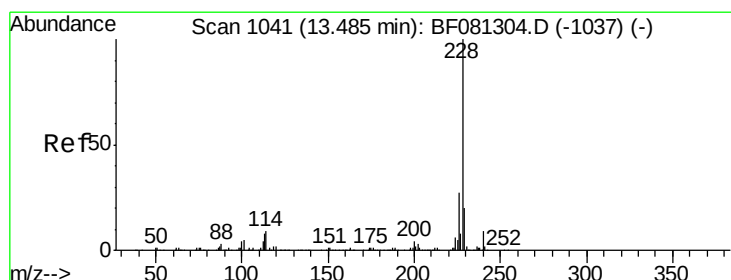
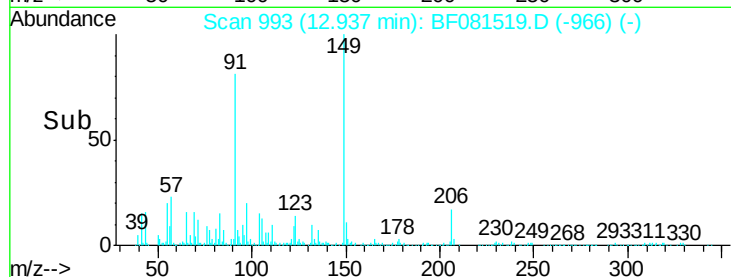
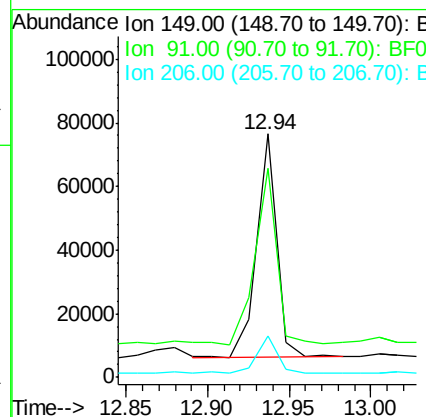
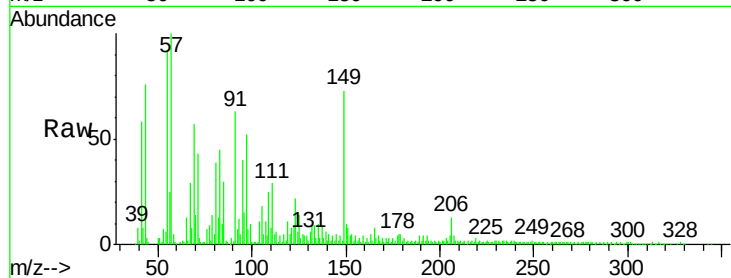
#79
Butylbenzylphthalate
Concen: 22.77 ng
RT: 12.94 min Scan# 993
Delta R.T. 0.01 min
Lab File: BF081519.D
Acq: 6 Sep 2015 19:56

Instrument :
BNA_F
ClientSampleId :
28TP22(4.5-5)RE

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
91	85.8	48.6	72.8#
206	17.2	14.9	22.3

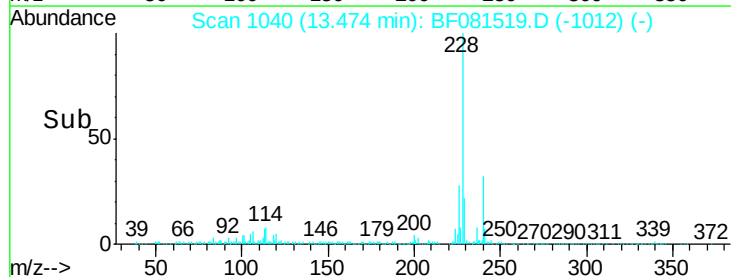
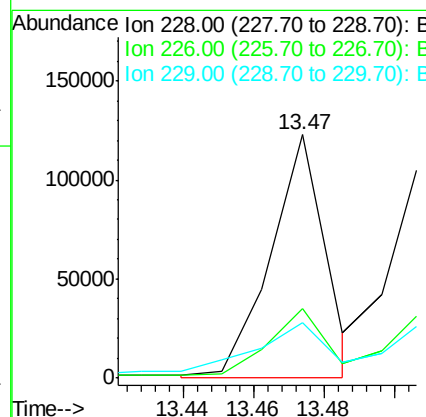
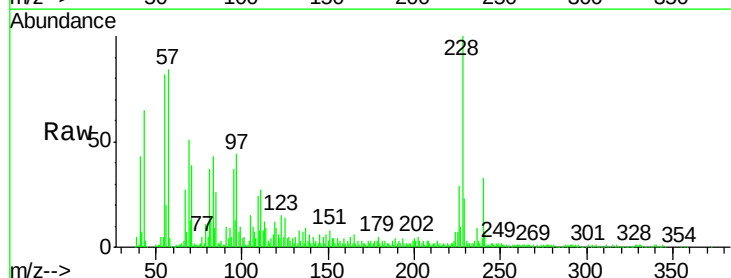
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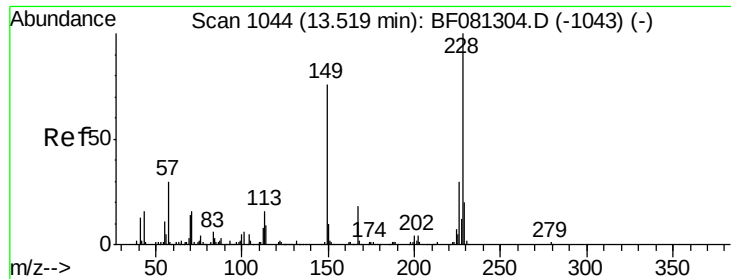
MMDadoda
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#80
Benzo(a)anthracene
Concen: 25.28 ng m
RT: 13.47 min Scan# 1040
Delta R.T. 0.02 min
Lab File: BF081519.D
Acq: 6 Sep 2015 19:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	28.7	20.0	30.0
229	22.7	15.4	23.2





#82

Chrysene

Concen: 24.80 ng m

RT: 13.51 min Scan# 1043

Delta R.T. 0.01 min

Lab File: BF081519.D

Acq: 6 Sep 2015 19:56

Instrument :

BNA_F

ClientSampleId :

28TP22(4.5-5)RE

Tgt Ion: 228 Resp: 116560

Ion Ratio Lower Upper

228 100

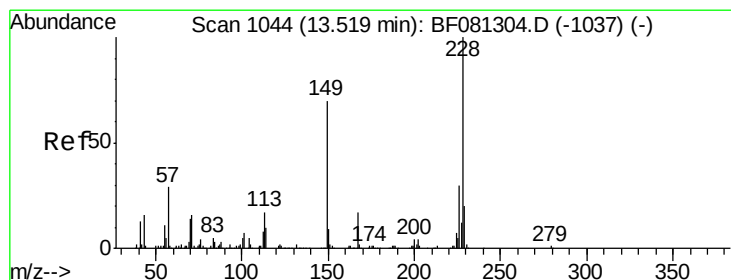
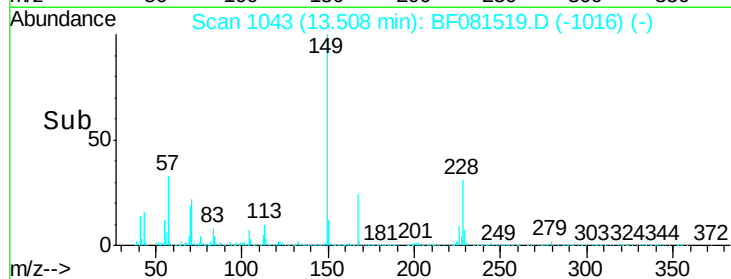
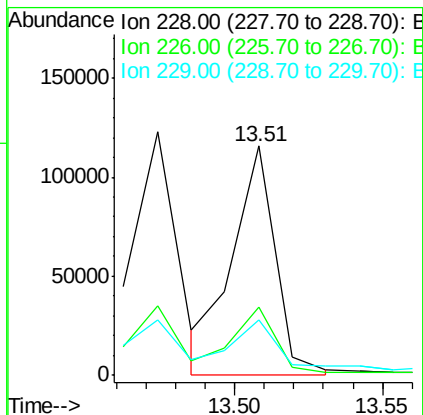
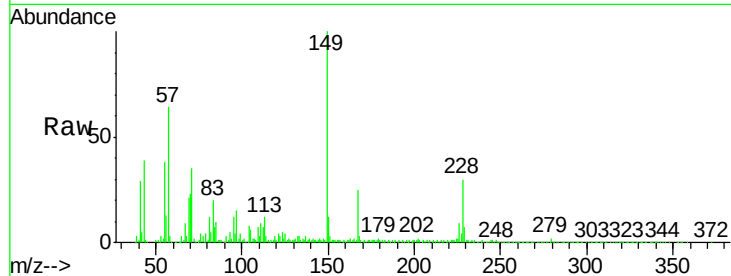
226 29.7 21.0 31.4

229 24.3 15.6 23.4#

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#83

Bis(2-ethylhexyl)phthalate

Concen: 104.56 ng

RT: 13.51 min Scan# 1043

Delta R.T. 0.02 min

Lab File: BF081519.D

Acq: 6 Sep 2015 19:56

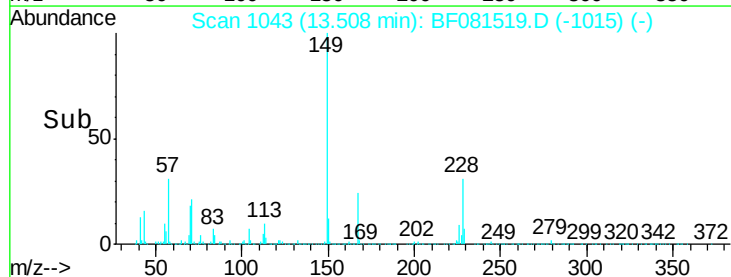
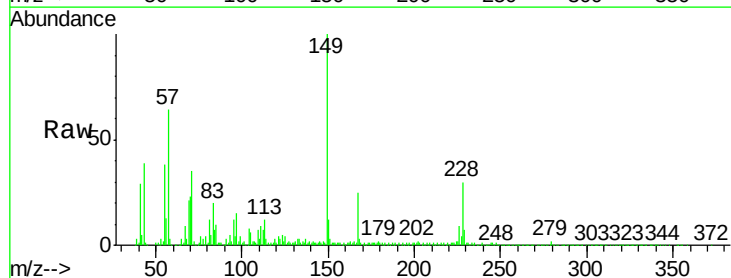
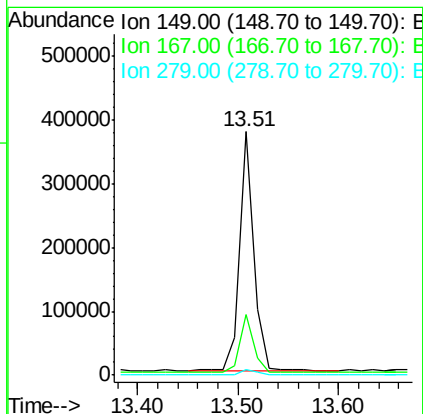
Tgt Ion: 149 Resp: 365944

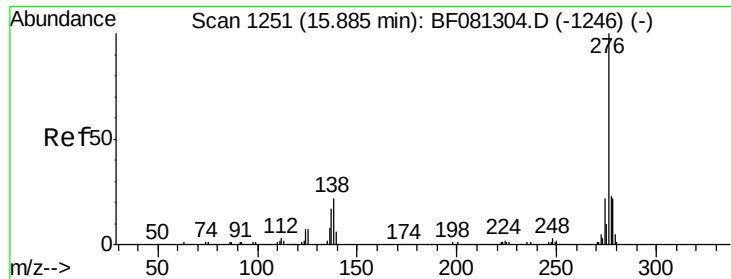
Ion Ratio Lower Upper

149 100

167 24.9 24.2 36.2

279 2.1 3.8 5.6#





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.89 ng

RT: 15.89 min Scan# 1251

Delta R.T. 0.03 min

Lab File: BF081519.D

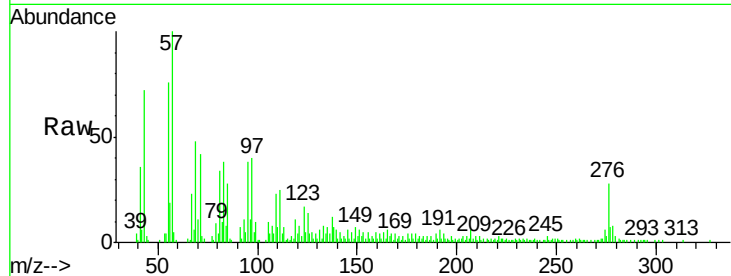
Acq: 6 Sep 2015 19:56

Instrument :

BNA_F

ClientSampleId :

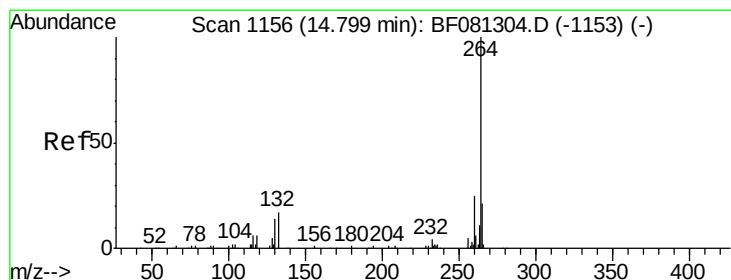
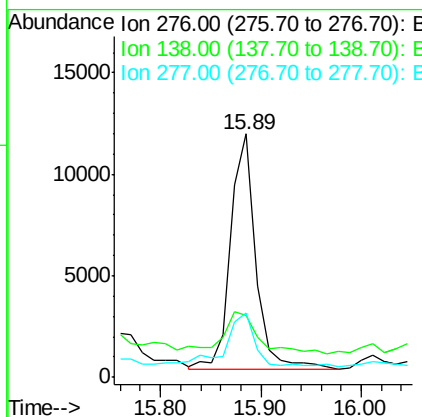
28TP22(4.5-5)RE



Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.8	25.7	38.5
277	26.4	15.6	23.4

Manual Integrations
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#86

Perylene-d12

Concen: 20.00 ng

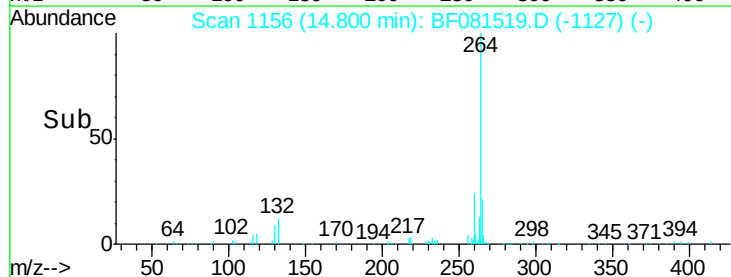
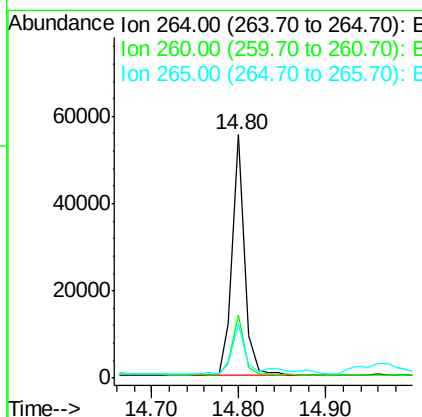
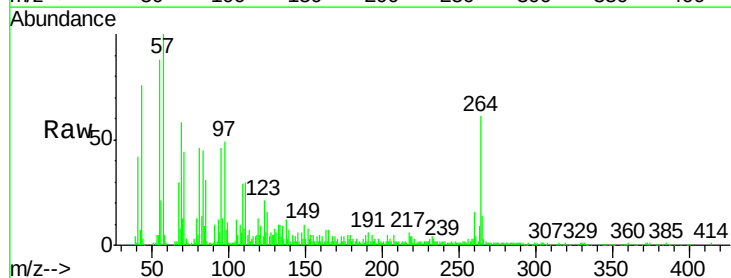
RT: 14.80 min Scan# 1156

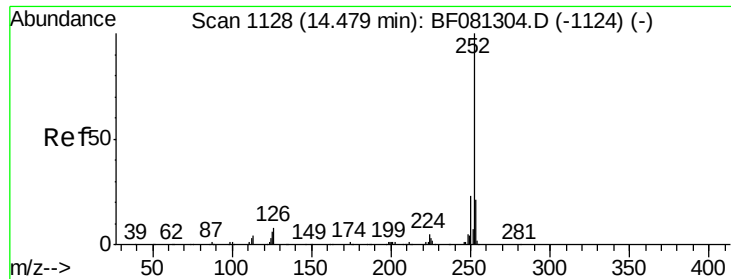
Delta R.T. 0.03 min

Lab File: BF081519.D

Acq: 6 Sep 2015 19:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.8	16.7	25.1
265	22.1	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 21.27 ng m

RT: 14.47 min Scan# 1127

Delta R.T. 0.02 min

Lab File: BF081519.D

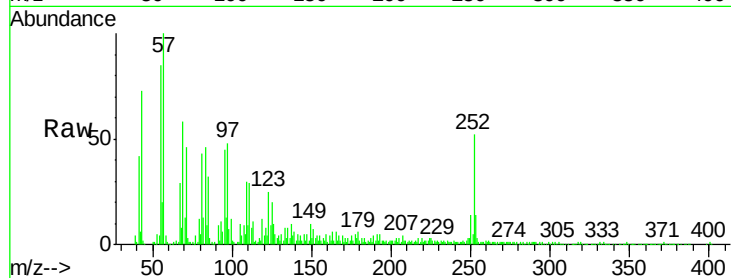
Acq: 6 Sep 2015 19:56

Instrument :

BNA_F

ClientSampleId :

28TP22(4.5-5)RE



Tgt Ion: 252 Resp: 83127

Ion Ratio Lower Upper

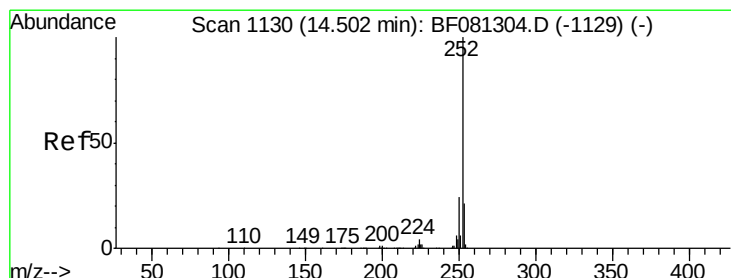
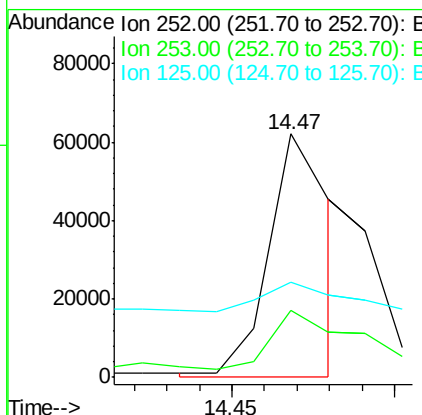
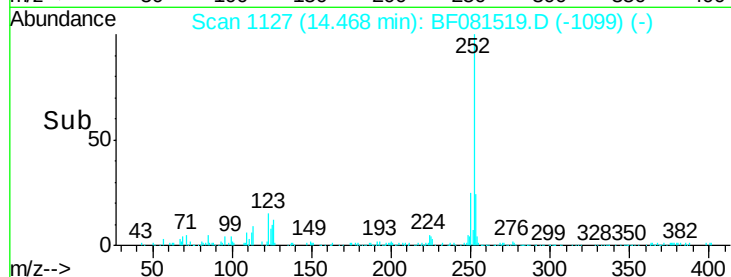
252 100

253 27.4 17.5 26.3#

125 39.3 17.1 25.7#

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#88

Benzo(k)fluoranthene

Concen: 10.30 ng m

RT: 14.48 min Scan# 1128

Delta R.T. 0.01 min

Lab File: BF081519.D

Acq: 6 Sep 2015 19:56

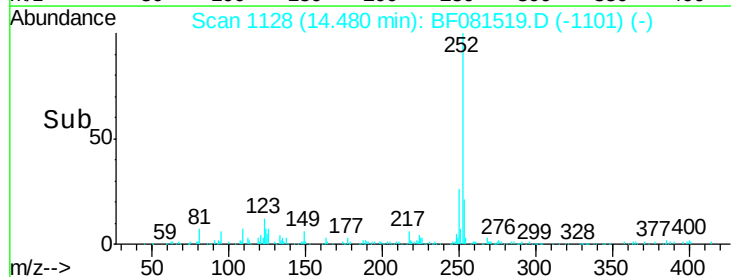
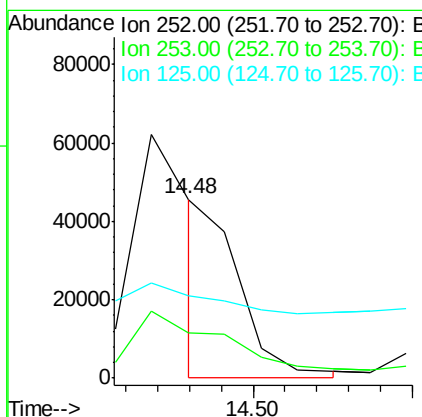
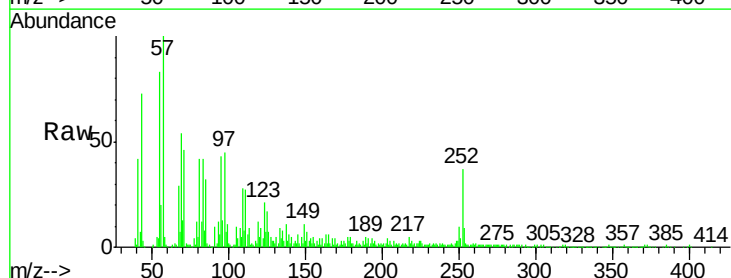
Tgt Ion: 252 Resp: 33412

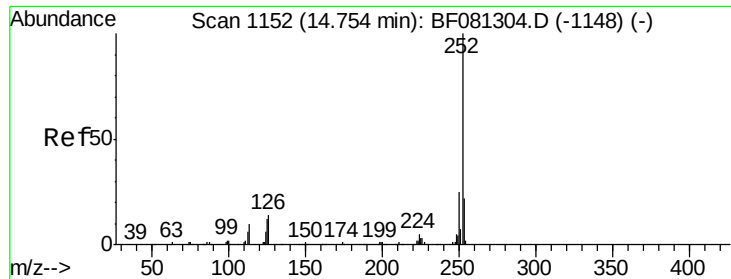
Ion Ratio Lower Upper

252 100

253 25.0 17.0 25.4

125 46.2 16.0 24.0#





#89

Benzo(a)pyrene

Concen: 15.36 ng

RT: 14.75 min Scan# 1152

Delta R.T. 0.03 min

Lab File: BF081519.D

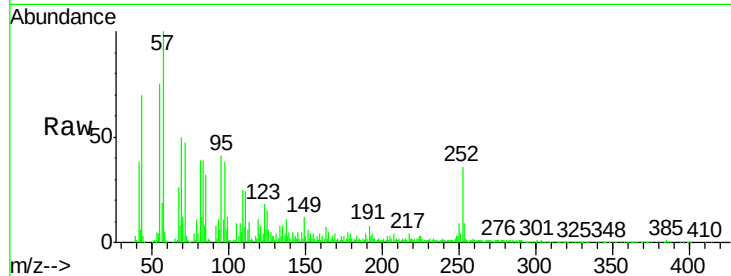
Acq: 6 Sep 2015 19:56

Instrument :

BNA_F

ClientSampleId :

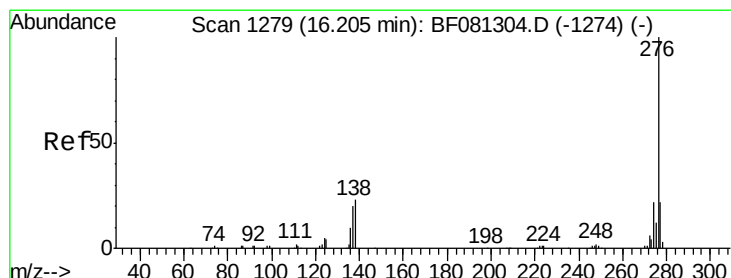
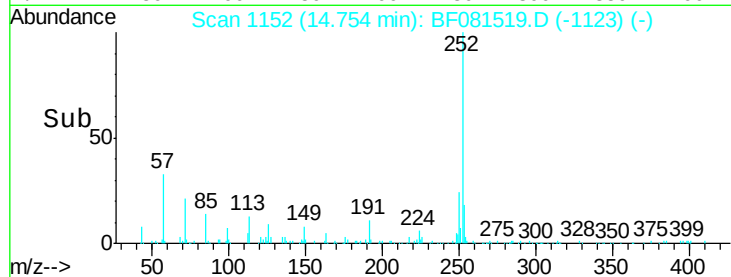
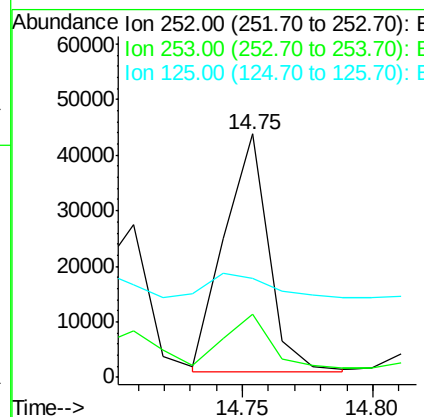
28TP22(4.5-5)RE



Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.2	25.8#
125	40.8	18.0	27.0#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 7.99 ng

RT: 16.21 min Scan# 1279

Delta R.T. 0.03 min

Lab File: BF081519.D

Acq: 6 Sep 2015 19:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.2	17.8	26.6#
138	28.3	34.6	51.8#

