

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091515\
 Data File : BF081627.D
 Acq On : 15 Sep 2015 13:35
 Operator : UM/IZ
 Sample : G3597-04RE 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-4(0-5)RE

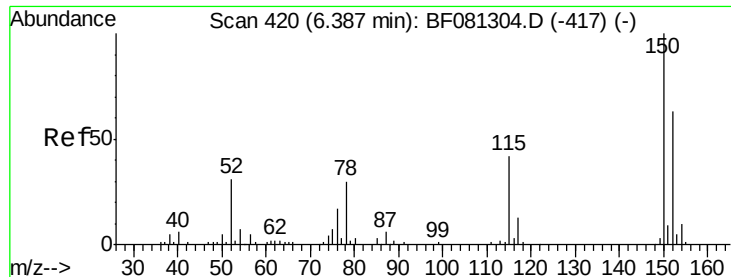
Manual Integrations
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 9/16/2015 1:23:11 PM

Quant Time: Sep 15 14:29:11 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 15 14:03:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	60127	20.00	ng	-0.01
21) Naphthalene-d8	11.11	136	239454	20.00	ng	-0.01
38) Acenaphthene-d10	15.25	164	109128	20.00	ng	-0.01
63) Phenanthrene-d10	18.76	188	204137	20.00	ng	0.00
75) Chrysene-d12	23.38	240	132637	20.00	ng	0.00
86) Perylene-d12	24.81	264	113093	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	21001	5.42	ng	0.02
7) Phenol-d6	7.62	99	116835	22.78	ng	-0.02
23) Nitrobenzene-d5	9.50	82	92672	18.67	ng	-0.03
41) 2,4,6-Tribromophenol	17.16	330	699	0.72	ng	-0.01
44) 2-Fluorobiphenyl	13.75	172	158073	18.56	ng	-0.02
78) Terphenyl-d14	22.10	244	121671	21.35	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	11.16	128	162463	12.72	ng	98
37) 2-Methylnaphthalene	12.81	142	59833	7.20	ng	# 88
49) Dimethylphthalate	14.80	163	30884	3.64	ng	# 96
51) Acenaphthene	15.32	154	49091	6.71	ng	# 84
54) Dibenzofuran	15.74	168	73979	6.92	ng	# 87
57) Fluorene	16.55	166	91889	11.33	ng	93
70) Phenanthrene	18.82	178	850372	74.93	ng	97
71) Anthracene	18.93	178	213331	18.30	ng	99
72) Carbazole	19.40	167	58438	5.34	ng	96
74) Fluoranthene	21.44	202	654556	53.28	ng	86
77) Pyrene	21.78	202	581401	59.18	ng	# 93
80) Benzo(a)anthracene	23.37	228	233447	27.64	ng	97
82) Chrysene	23.41	228	163291	21.57	ng	95
85) Indeno(1,2,3-cd)pyrene	25.87	276	79091	14.24	ng	# 81
87) Benzo(b)fluoranthene	24.48	252	191836m	23.76	ng	
88) Benzo(k)fluoranthene	24.49	252	46874m	7.00	ng	
89) Benzo(a)pyrene	24.77	252	140351	20.51	ng	# 85
90) Dibenzo(a,h)anthracene	25.88	278	26804	5.07	ng	# 77
91) Benzo(g,h,i)perylene	26.17	276	70806	14.03	ng	# 71

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 601

Delta R.T. -0.01 min

Lab File: BF081627.D

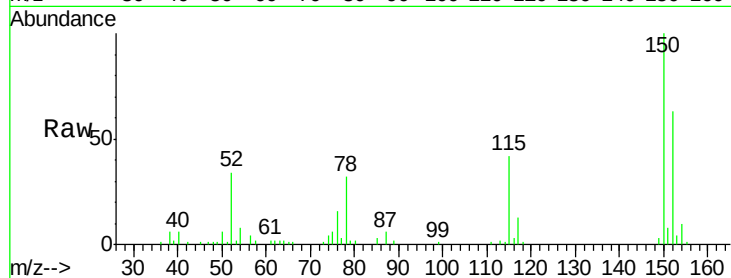
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ClientSampleId :

GP-4(0-5)RE



Tgt Ion:152 Resp: 60127

Ion Ratio Lower Upper

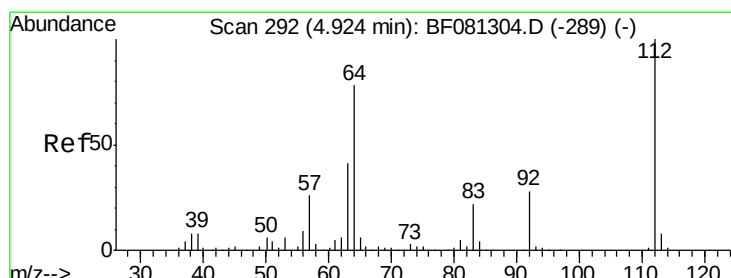
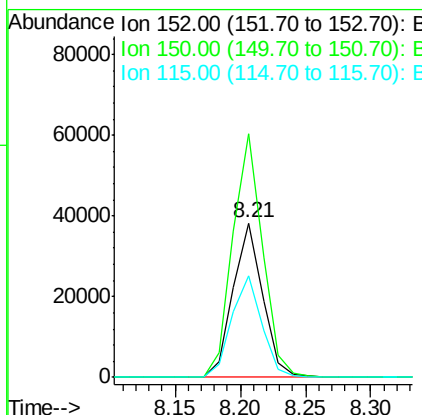
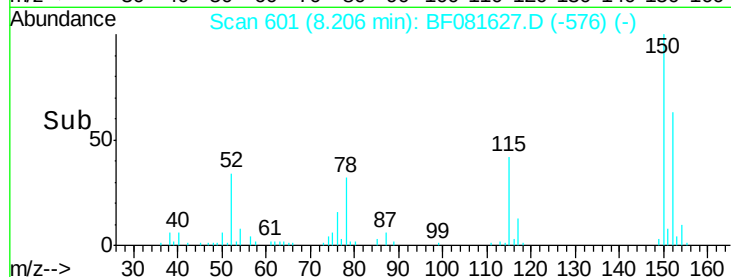
152 100

150 157.6 124.7 187.1

115 65.9 39.0 58.4#

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#5

2-Fluorophenol

Concen: 5.42 ng

RT: 5.37 min Scan# 353

Delta R.T. 0.02 min

Lab File: BF081627.D

Acq: 15 Sep 2015 13:35

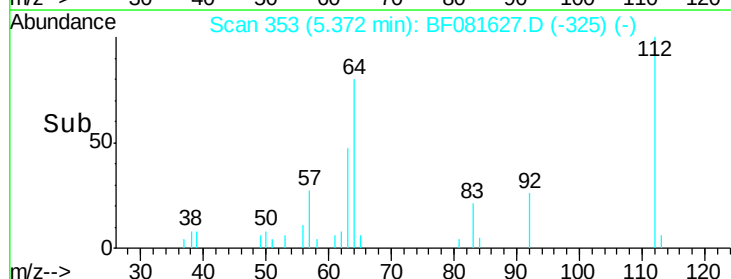
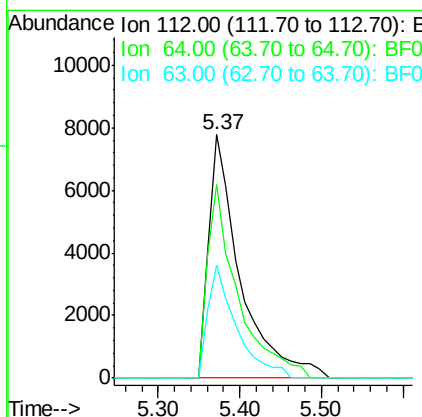
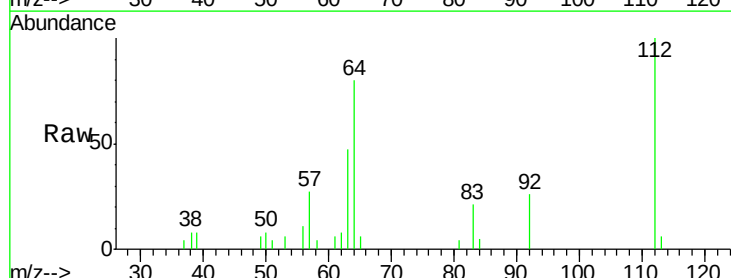
Tgt Ion:112 Resp: 21001

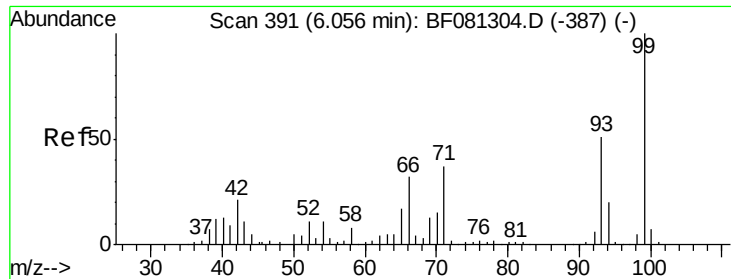
Ion Ratio Lower Upper

112 100

64 79.6 39.7 59.5#

63 46.5 17.4 26.0#





#7

Phenol-d6

Concen: 22.78 ng

RT: 7.62 min Scan# 550

Delta R.T. -0.02 min

Lab File: BF081627.D

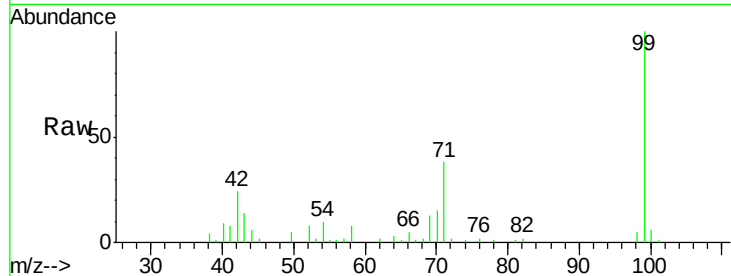
Acq: 15 Sep 2015 13:35

Instrument :

BNA_F

ClientSampleId :

GP-4(0-5)RE

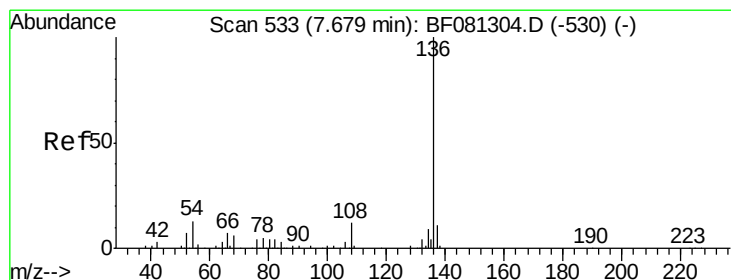
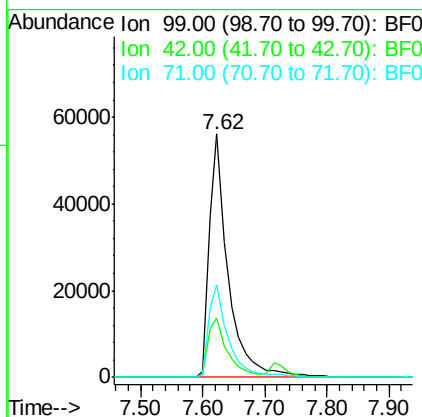
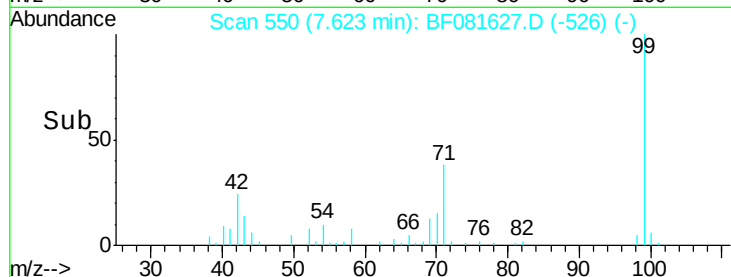


Tgt Ion: 99 Resp: 116835

Ion	Ratio	Lower	Upper
99	100		
42	24.1	13.7	20.5#
71	38.1	14.2	21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.11 min Scan# 855

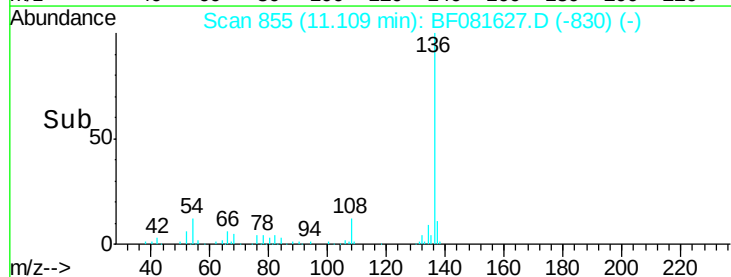
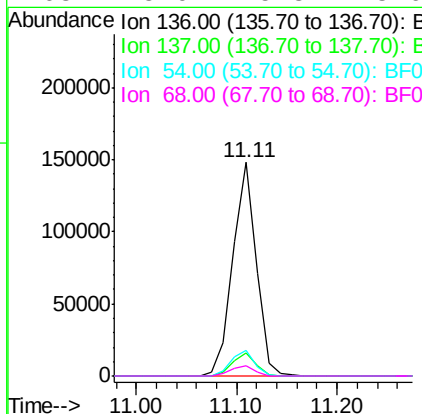
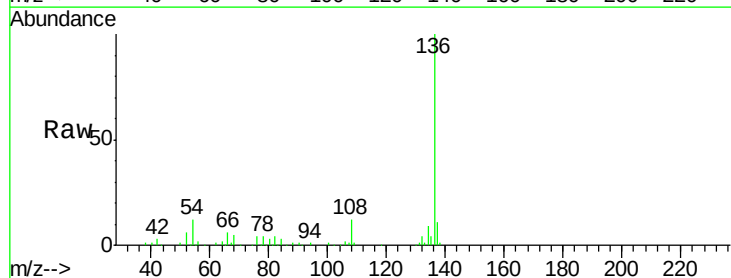
Delta R.T. -0.01 min

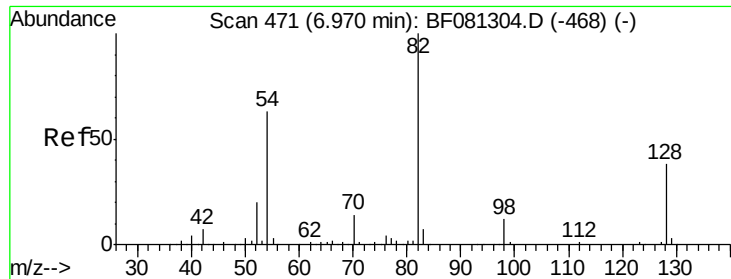
Lab File: BF081627.D

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Tgt Ion: 136 Resp: 239454

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.6
54	11.8	8.2	12.2
68	5.0	5.8	8.6#





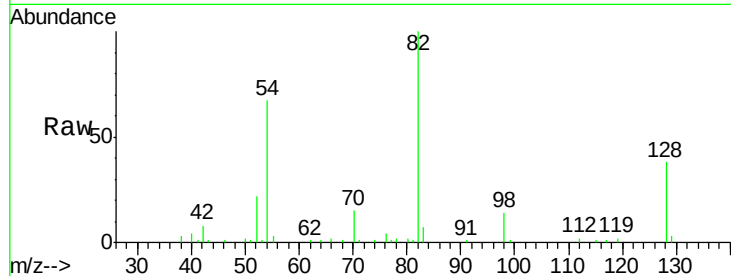
#23
 Nitrobenzene-d5
 Concen: 18.67 ng
 RT: 9.50 min Scan# 714
 Delta R.T. -0.03 min
 Lab File: BF081627.D
 Acq: 15 Sep 2015 13:35

Instrument :
 BNA_F
 ClientSampleId :
 GP-4(0-5)RE

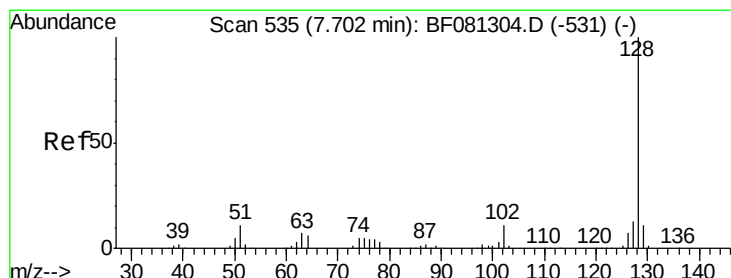
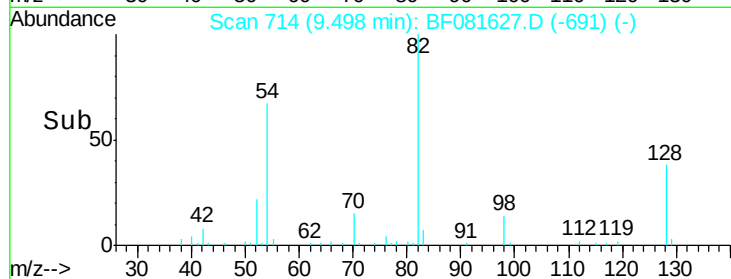
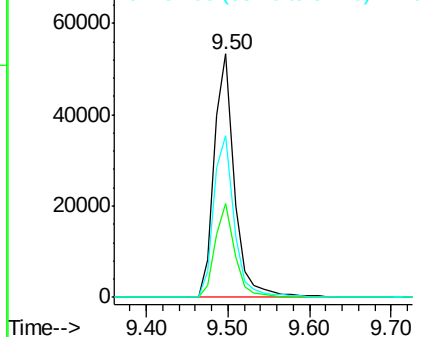
Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.4	51.0	76.6#
54	66.6	47.5	71.3

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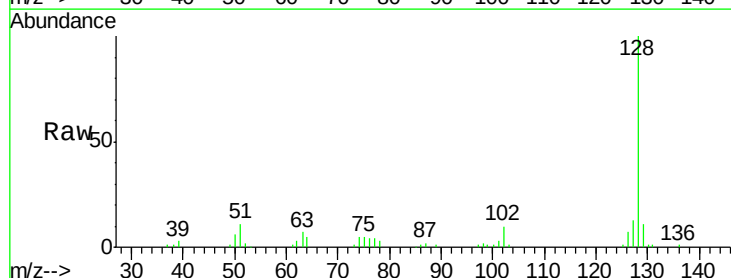


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

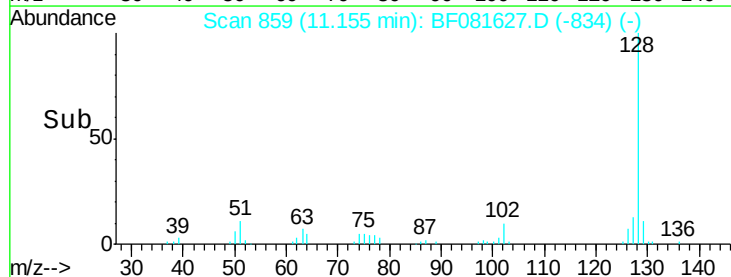
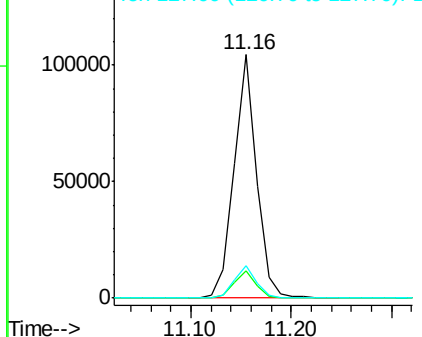


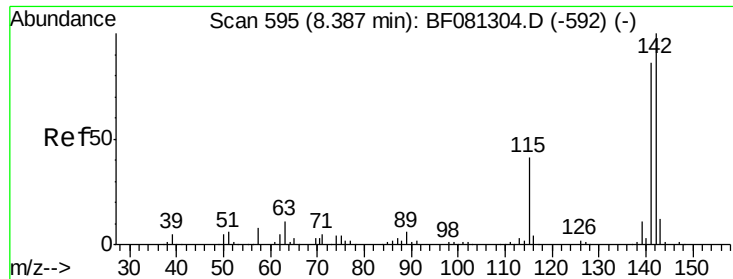
#31
 Naphthalene
 Concen: 12.72 ng
 RT: 11.16 min Scan# 859
 Delta R.T. -0.01 min
 Lab File: BF081627.D
 Acq: 15 Sep 2015 13:35

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.4	12.6
127	13.2	9.9	14.9



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





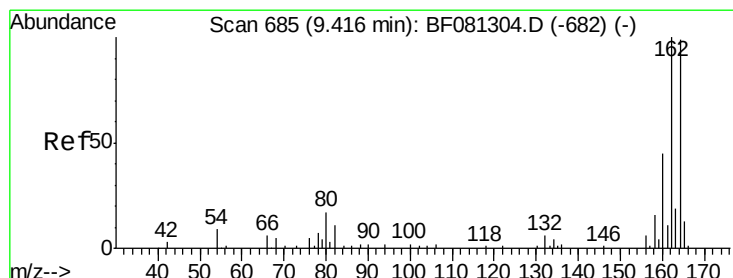
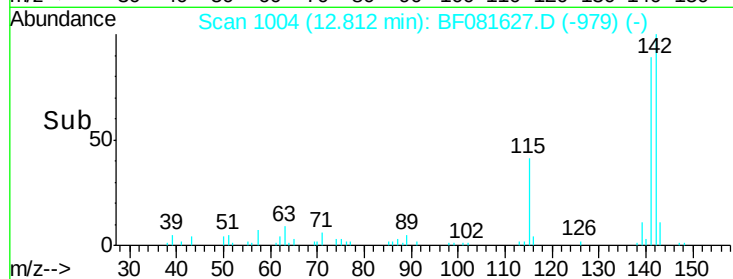
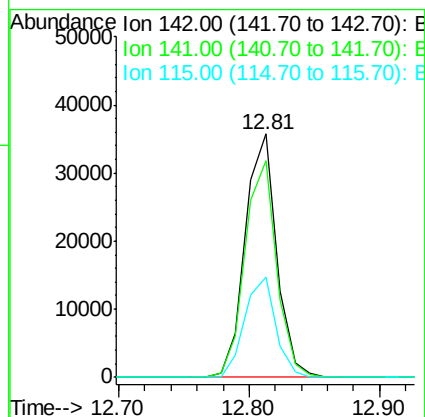
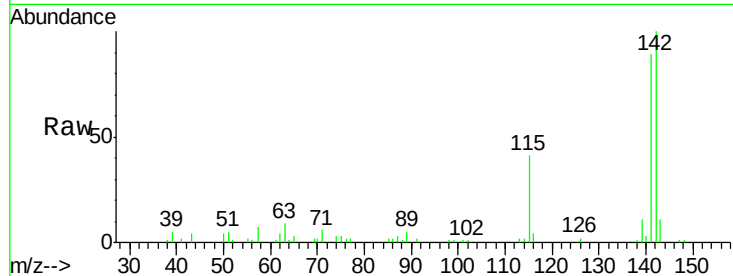
#37
 2-Methylnaphthalene
 Concen: 7.20 ng
 RT: 12.81 min Scan# 1004
 Delta R.T. -0.01 min
 Lab File: BF081627.D
 Acq: 15 Sep 2015 13:35

Instrument :
 BNA_F
 ClientSampleId :
 GP-4(0-5)RE

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	59833		
141	89.1	67.5	101.3	
115	41.2	18.2	27.2	

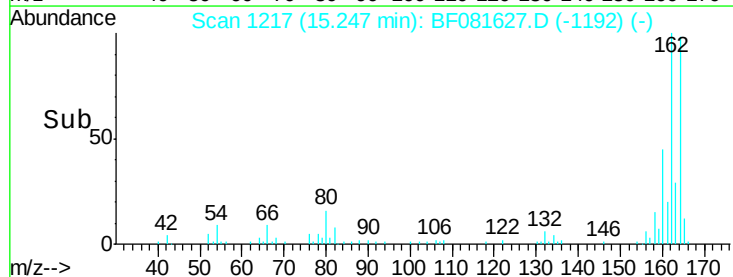
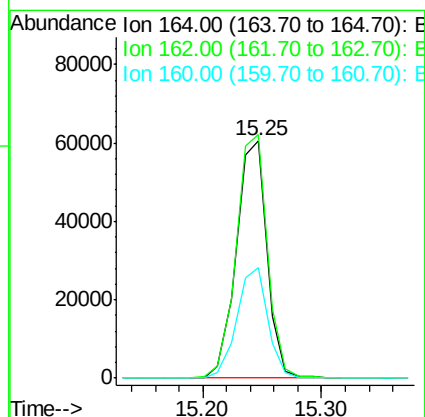
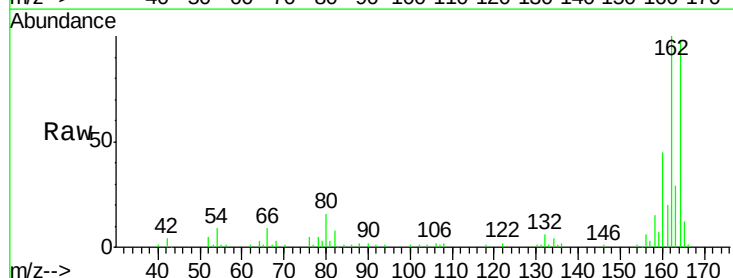
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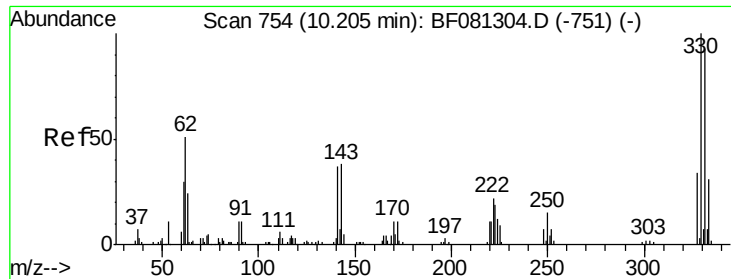
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF081627.D
 Acq: 15 Sep 2015 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	109128		
162	102.5	75.2	112.8	
160	46.6	31.5	47.3	





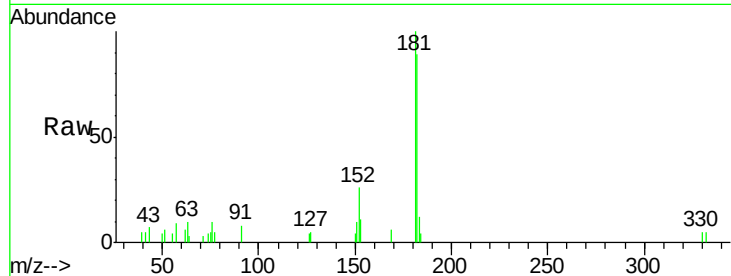
#41
 2,4,6-Tribromophenol
 Concen: 0.72 ng
 RT: 17.16 min Scan# 1384
 Delta R.T. -0.01 min
 Lab File: BF081627.D
 Acq: 15 Sep 2015 13:35

Instrument :
 BNA_F
 ClientSampleId :
 GP-4(0-5)RE

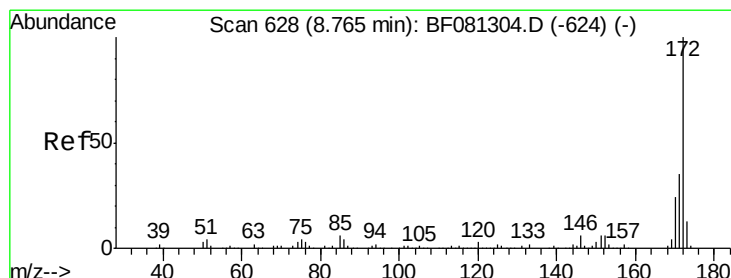
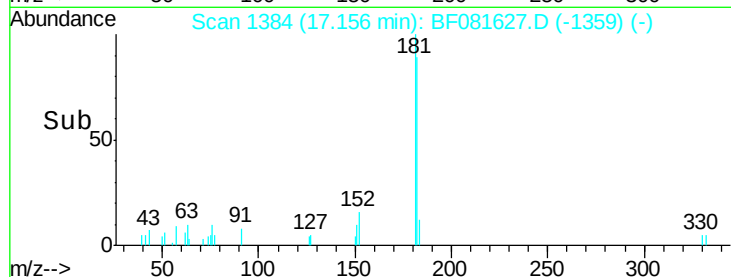
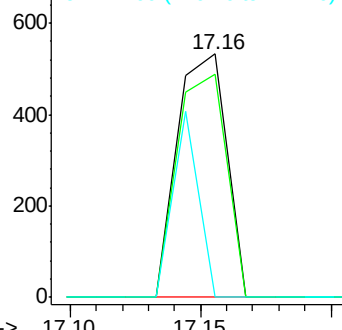
Tgt Ion	Ratio	Lower	Upper
330	100		
332	91.8	76.6	114.8
141	40.1	29.7	44.5

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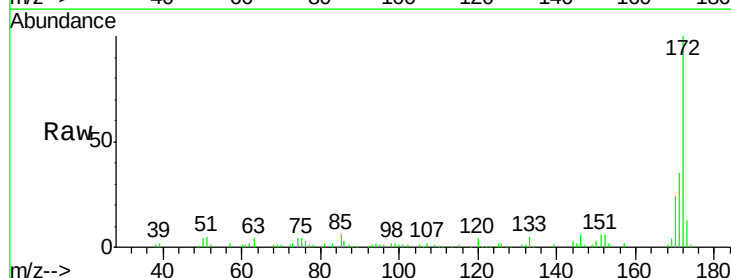


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

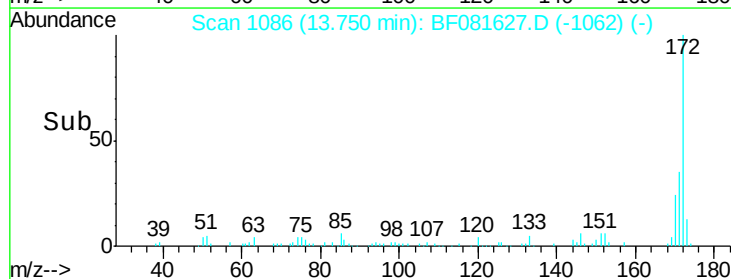
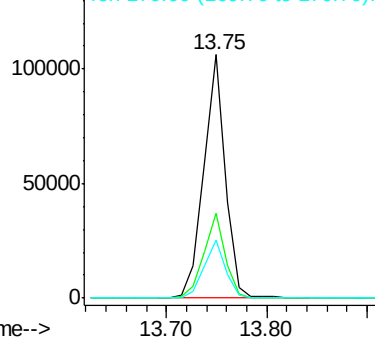


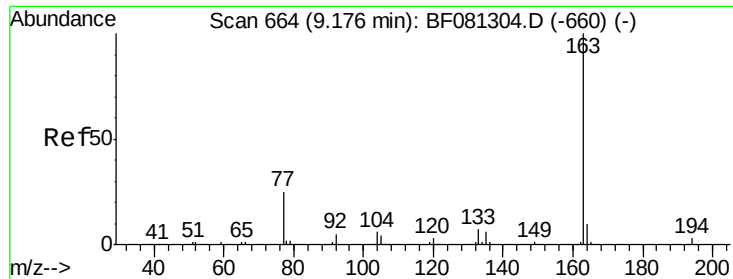
#44
 2-Fluorobiphenyl
 Concen: 18.56 ng
 RT: 13.75 min Scan# 1086
 Delta R.T. -0.02 min
 Lab File: BF081627.D
 Acq: 15 Sep 2015 13:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	26.1	39.1
170	23.7	17.4	26.2



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





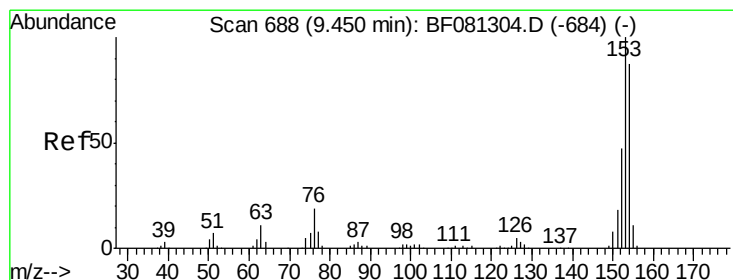
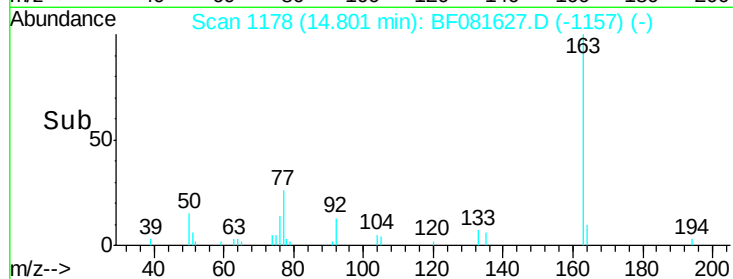
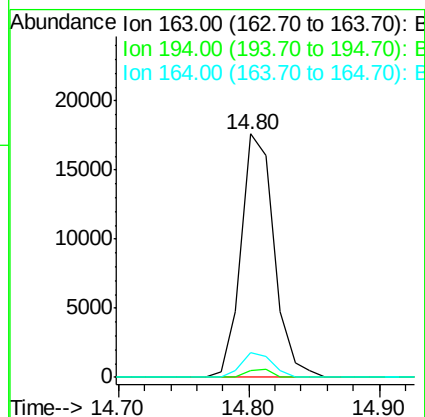
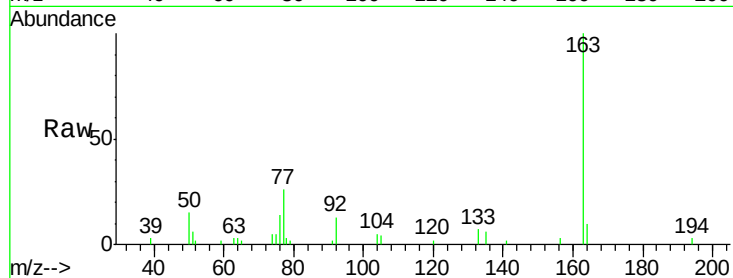
#49
Dimethylphthalate
Concen: 3.64 ng
RT: 14.80 min Scan# 1178
Delta R.T. -0.06 min
Lab File: BF081627.D
Acq: 15 Sep 2015 13:35

Instrument :
BNA_F
ClientSampleId :
GP-4(0-5)RE

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	30884		
194	2.8	4.4	6.6#	
164	9.9	8.3	12.5	

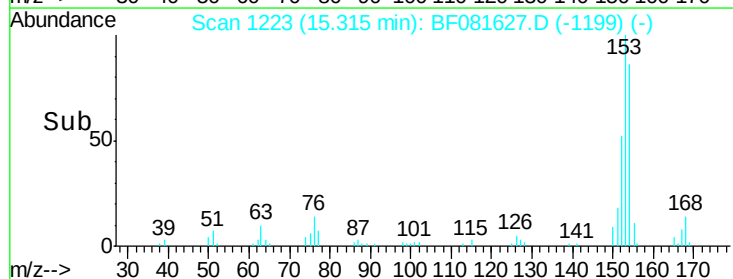
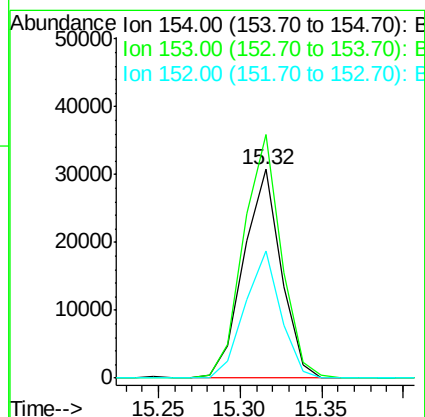
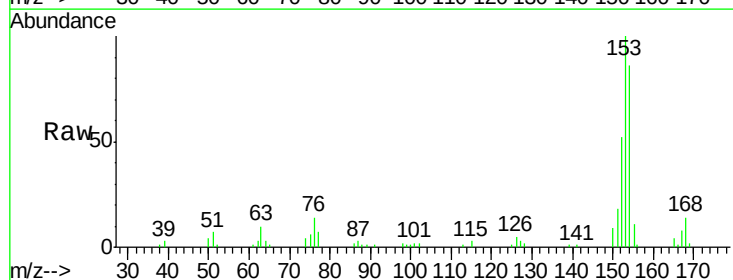
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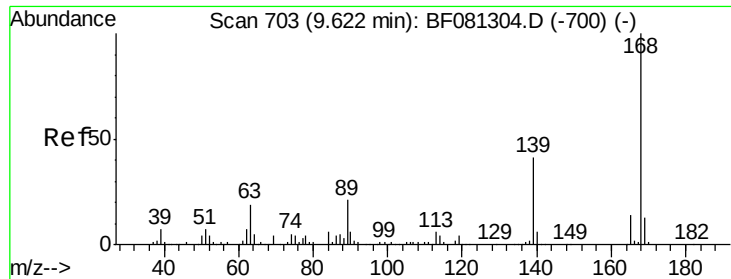
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#51
Acenaphthene
Concen: 6.71 ng
RT: 15.32 min Scan# 1223
Delta R.T. -0.02 min
Lab File: BF081627.D
Acq: 15 Sep 2015 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	49091		
153	116.7	82.1	123.1	
152	60.7	37.9	56.9#	





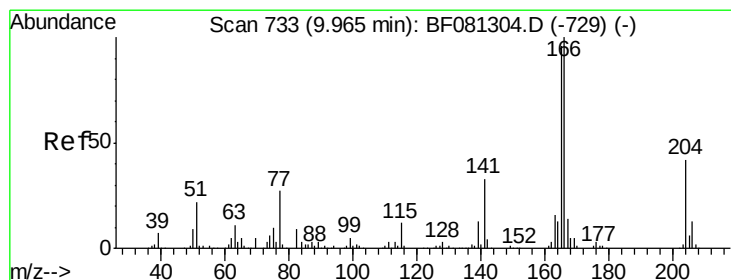
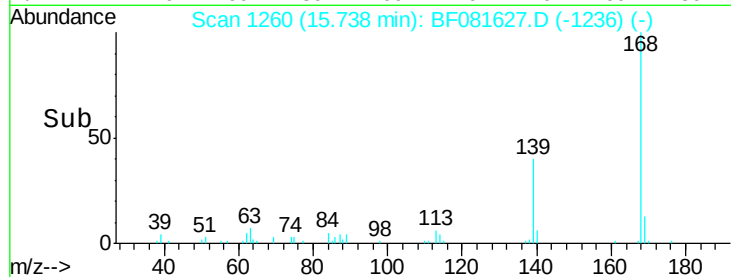
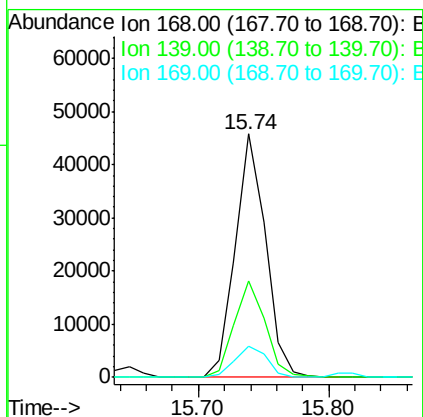
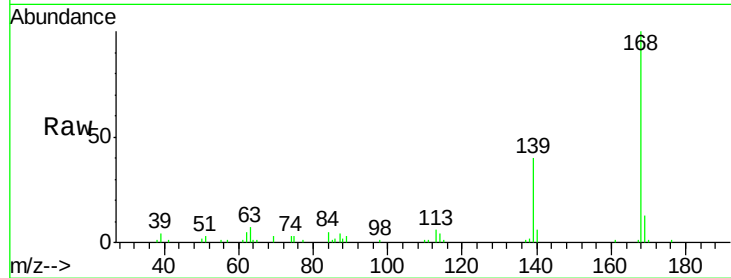
#54
Dibenzofuran
Concen: 6.92 ng
RT: 15.74 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF081627.D
Acq: 15 Sep 2015 13:35

Instrument :
BNA_F
ClientSampleId :
GP-4(0-5)RE

Tgt Ion	Ratio	Lower	Upper
168	100		
139	39.8	24.2	36.2#
169	12.8	10.6	15.8

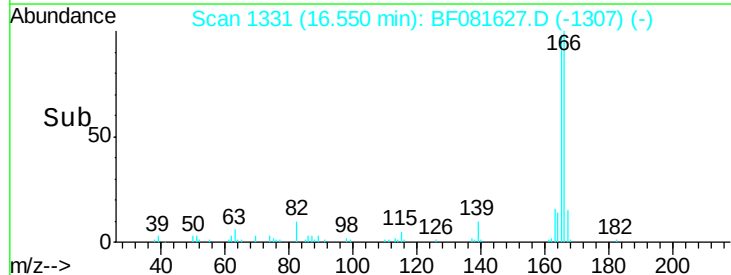
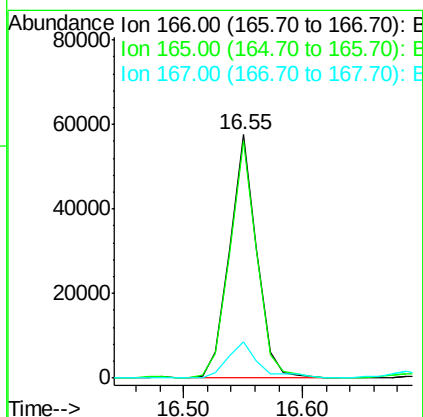
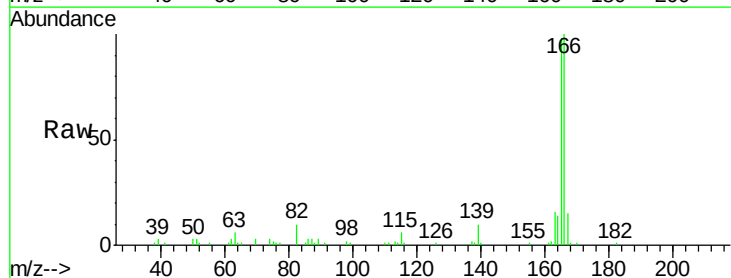
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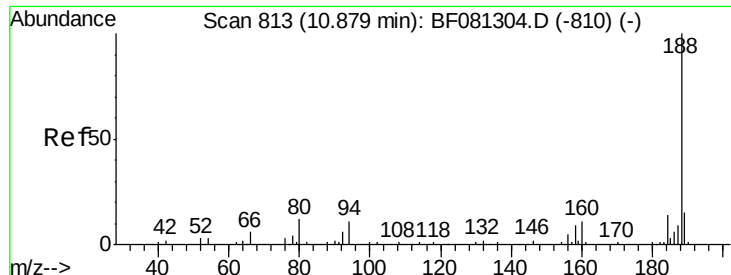
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#57
Fluorene
Concen: 11.33 ng
RT: 16.55 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF081627.D
Acq: 15 Sep 2015 13:35

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.6	72.6	109.0
167	14.8	10.6	16.0





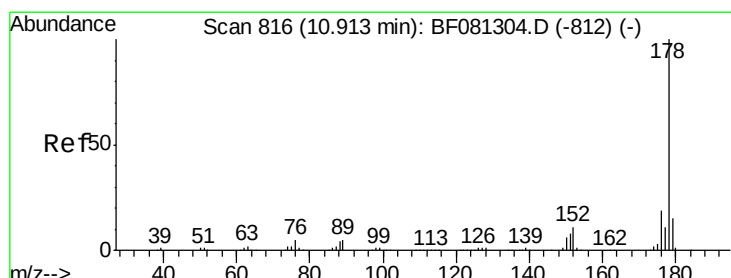
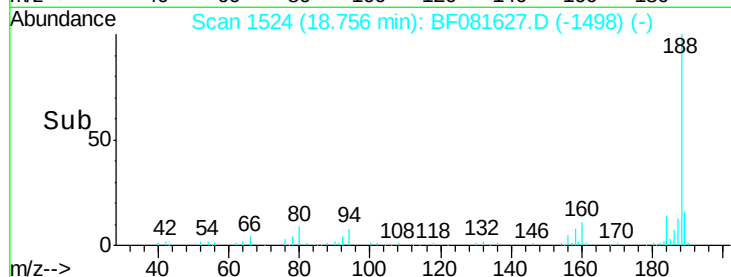
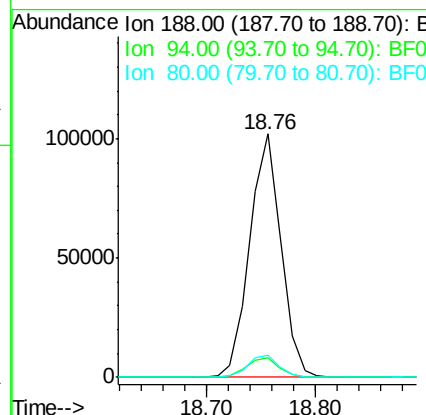
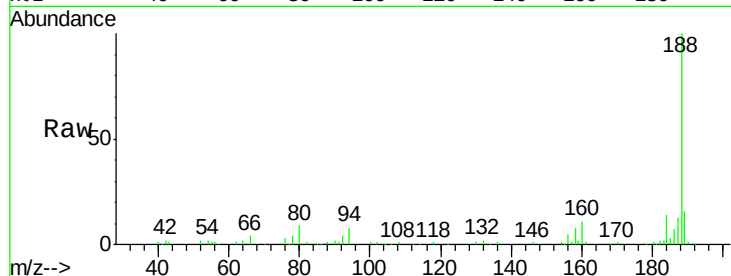
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.76 min Scan# 1524
 Delta R.T. 0.00 min
 Lab File: BF081627.D
 Acq: 15 Sep 2015 13:35

Instrument :
 BNA_F
 ClientSampleId :
 GP-4(0-5)RE

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.2	11.1	16.7#
80	9.2	11.0	16.4#

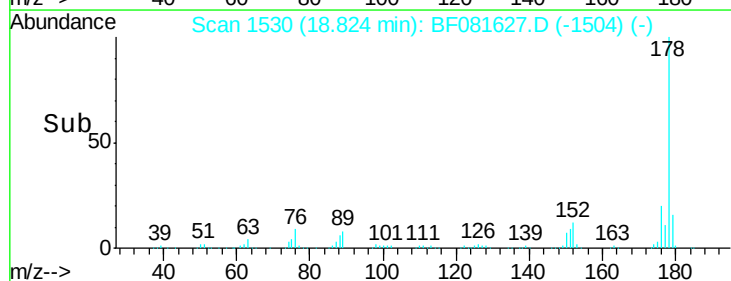
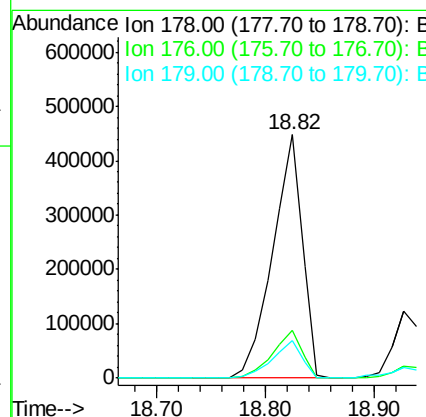
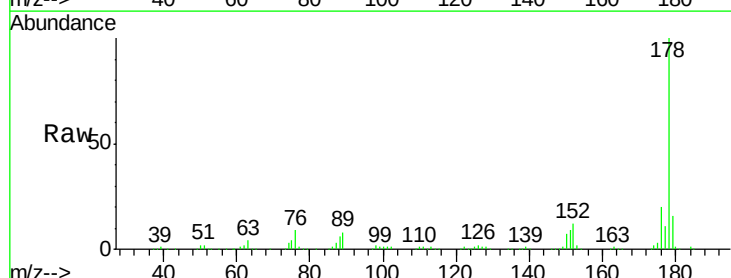
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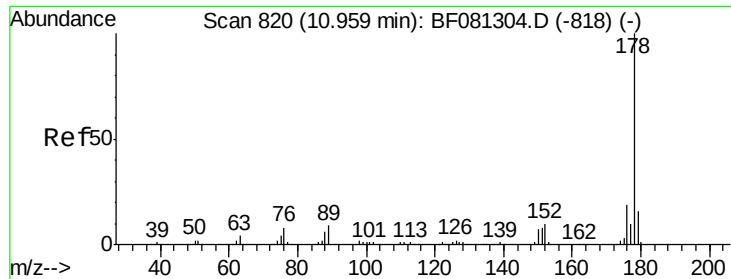
MMDadoda
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#70
 Phenanthrene
 Concen: 74.93 ng
 RT: 18.82 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: BF081627.D
 Acq: 15 Sep 2015 13:35

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.8	13.8	20.8
179	15.5	12.2	18.2





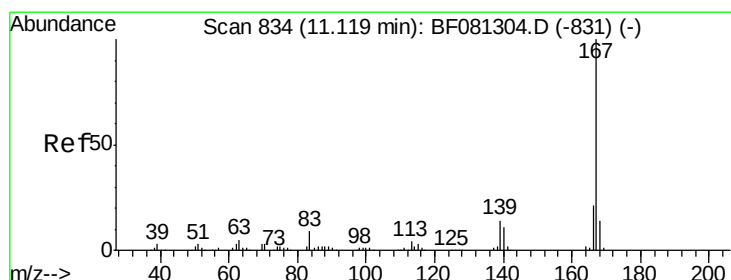
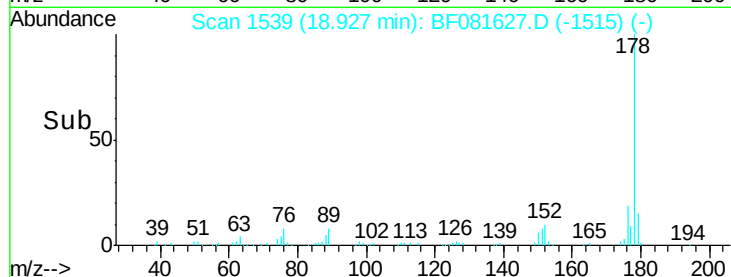
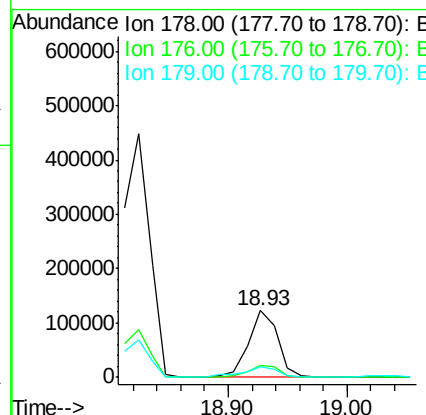
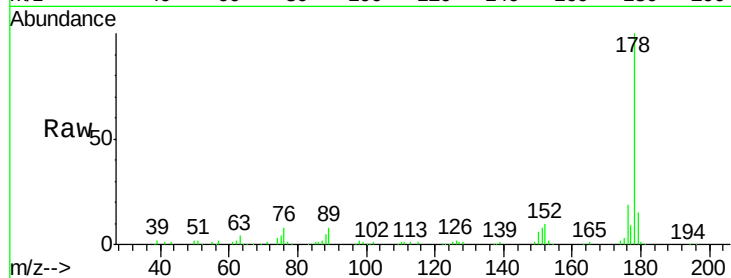
#71
 Anthracene
 Concen: 18.30 ng
 RT: 18.93 min Scan# 1539
 Delta R.T. -0.02 min
 Lab File: BF081627.D
 Acq: 15 Sep 2015 13:35

Instrument :
 BNA_F
 ClientSampleId :
 GP-4(0-5)RE

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.1	21.1
179	15.2	12.2	18.2

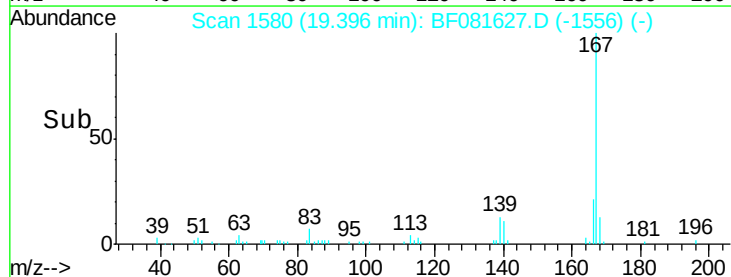
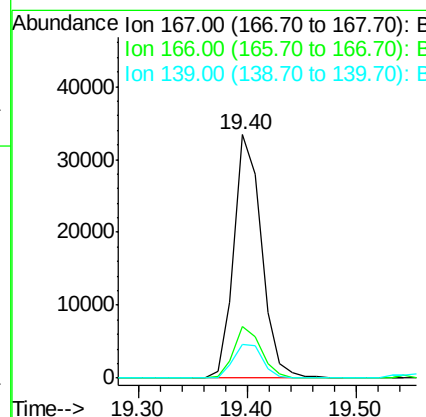
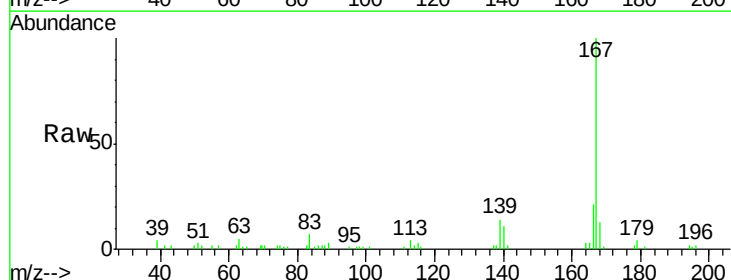
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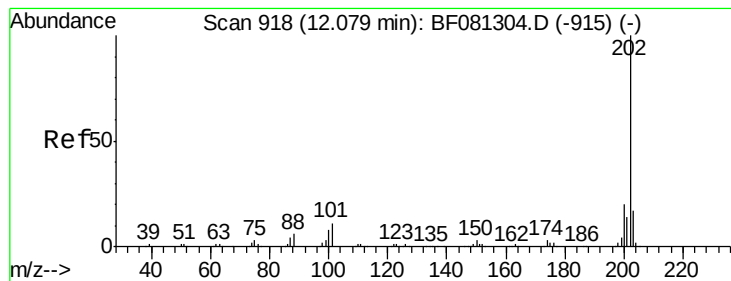
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#72
 Carbazole
 Concen: 5.34 ng
 RT: 19.40 min Scan# 1580
 Delta R.T. -0.02 min
 Lab File: BF081627.D
 Acq: 15 Sep 2015 13:35

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.0	15.7	23.5
139	13.9	9.5	14.3





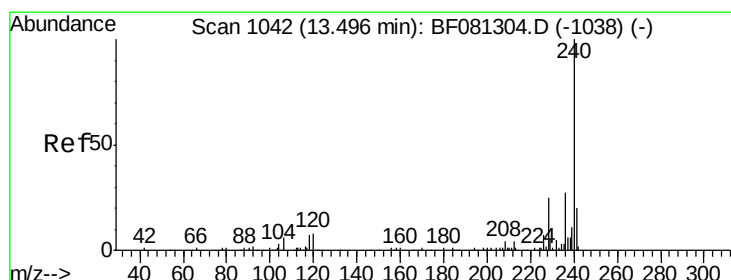
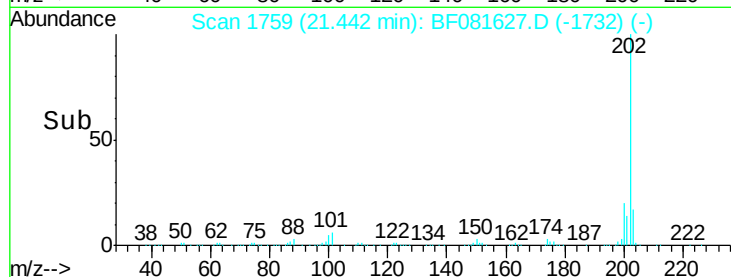
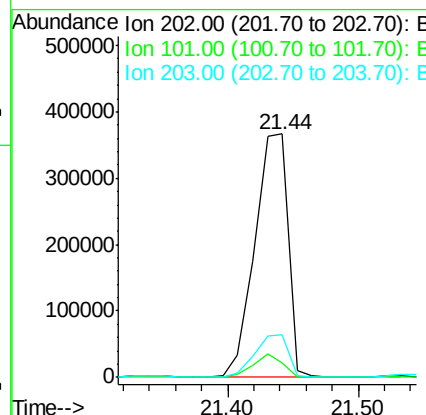
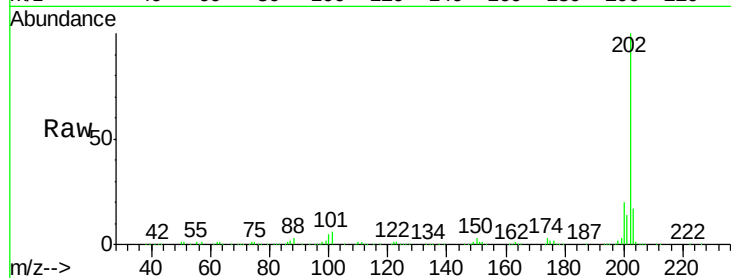
#74
Fluoranthene
Concen: 53.28 ng
RT: 21.44 min Scan# 1759
Delta R.T. 0.01 min
Lab File: BF081627.D
Acq: 15 Sep 2015 13:35

Instrument :
BNA_F
ClientSampleId :
GP-4(0-5)RE

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	6.1	0.0	38.3
203	17.4	0.0	37.3

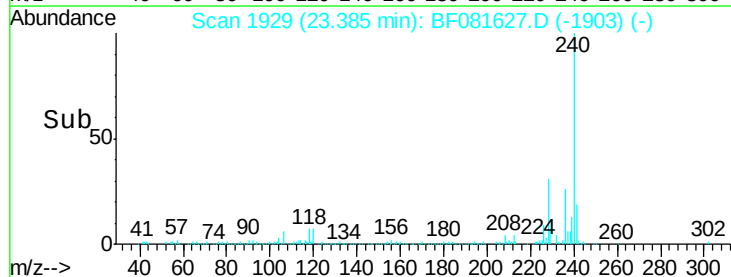
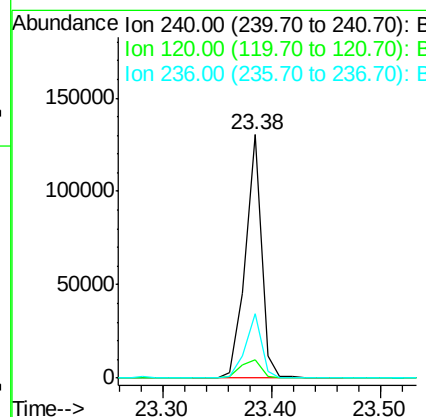
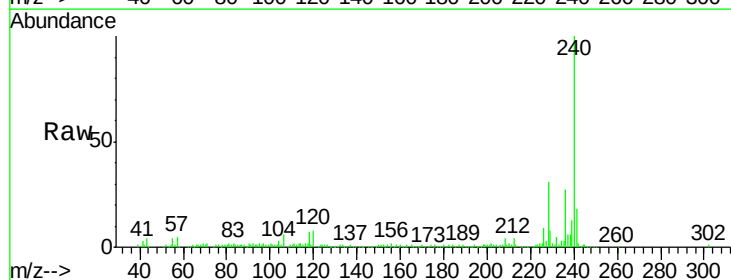
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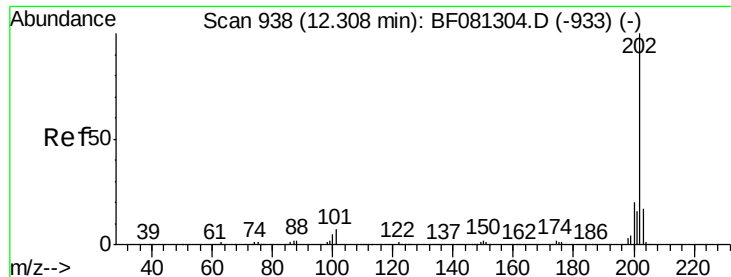
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 23.38 min Scan# 1929
Delta R.T. 0.00 min
Lab File: BF081627.D
Acq: 15 Sep 2015 13:35

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	7.6	16.2	24.2#
236	26.6	18.4	27.6





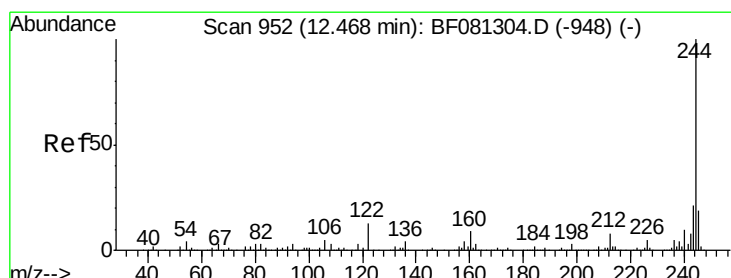
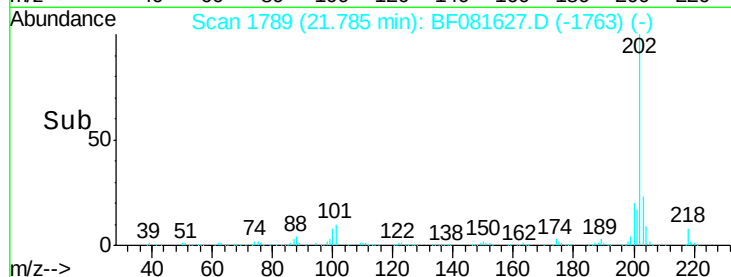
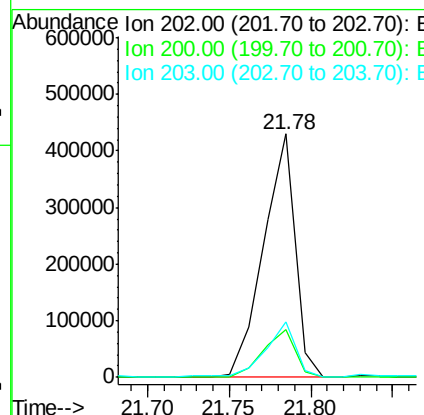
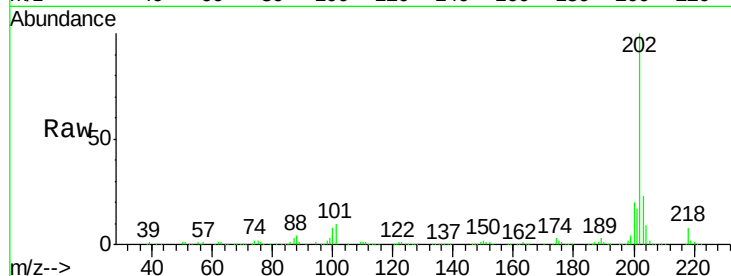
#77
 Pyrene
 Concen: 59.18 ng
 RT: 21.78 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: BF081627.D
 Acq: 15 Sep 2015 13:35

Instrument :
 BNA_F
 ClientSampleId :
 GP-4(0-5)RE

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	19.7	15.0	22.4
203	22.5	14.1	21.1#

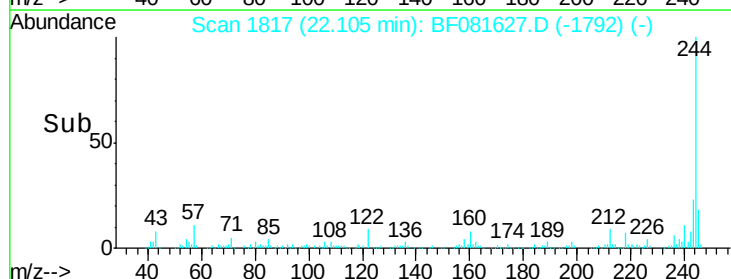
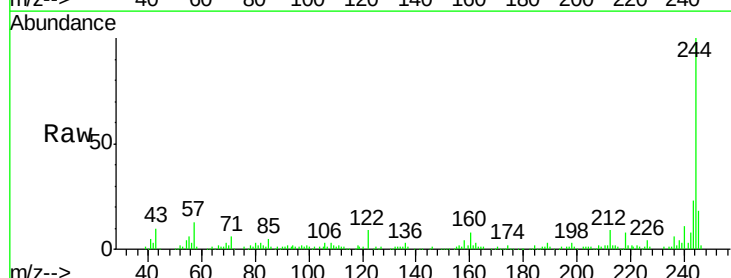
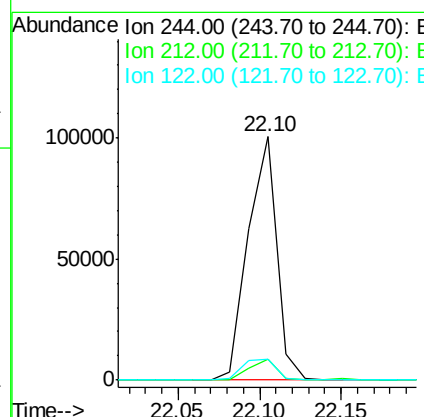
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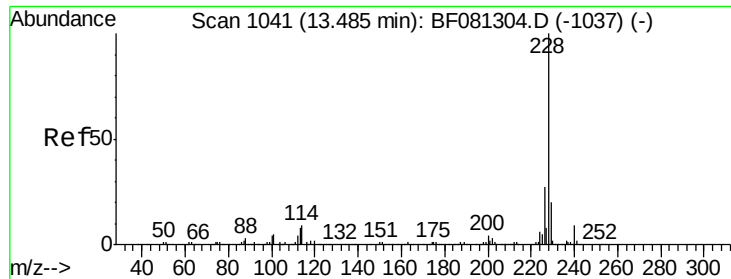
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#78
 Terphenyl-d14
 Concen: 21.35 ng
 RT: 22.10 min Scan# 1817
 Delta R.T. -0.01 min
 Lab File: BF081627.D
 Acq: 15 Sep 2015 13:35

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.6	4.3	6.5#
122	8.6	17.4	26.2#





#80

Benzo(a)anthracene

Concen: 27.64 ng

RT: 23.37 min Scan# 1928

Delta R.T. 0.00 min

Lab File: BF081627.D

Acq: 15 Sep 2015 13:35

Instrument :

BNA_F

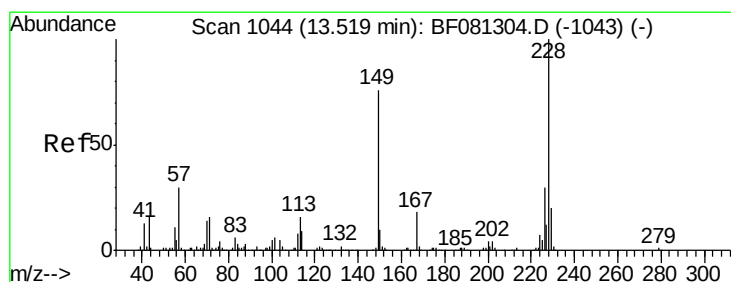
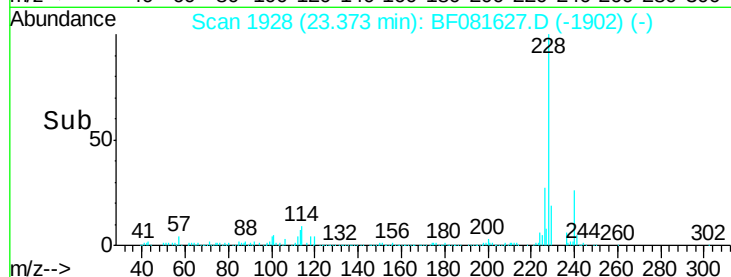
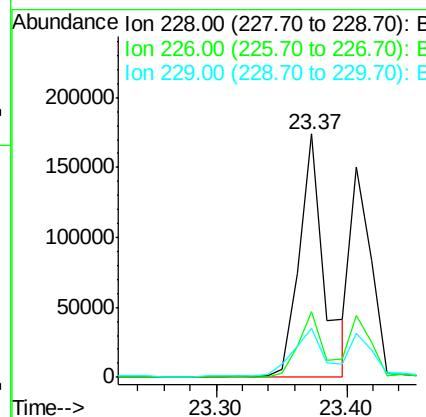
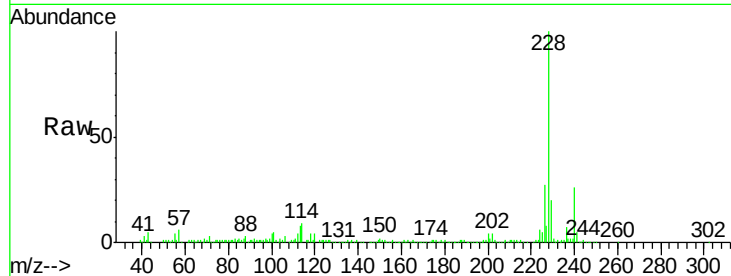
ClientSampleId :

GP-4(0-5)RE

Tgt	Ion	228	Resp:	233447
Ion	Ratio	100	Lower	Upper
228	100			
226	27.2	20.0	30.0	
229	20.1	15.4	23.2	

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#82

Chrysene

Concen: 21.57 ng

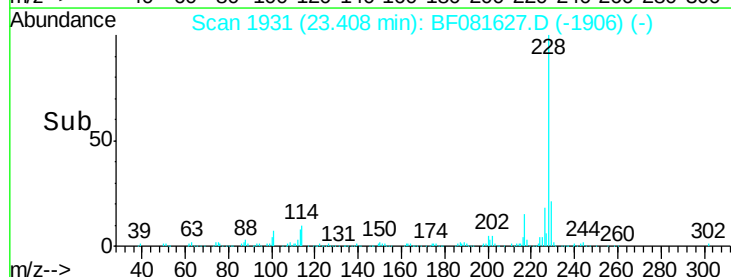
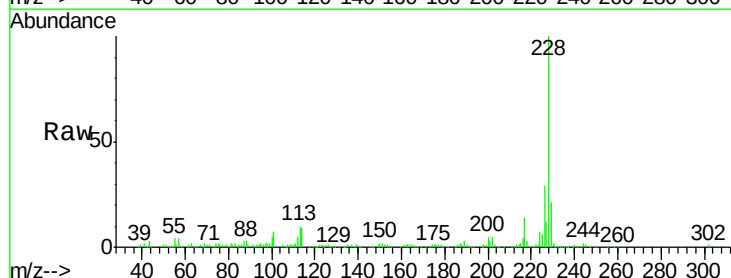
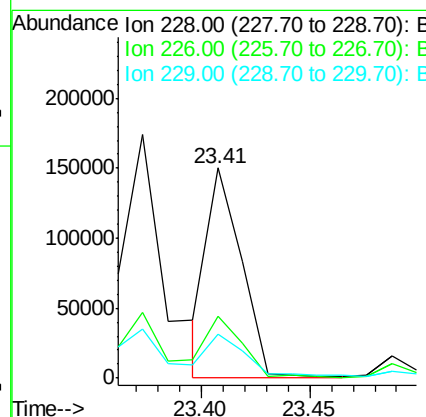
RT: 23.41 min Scan# 1931

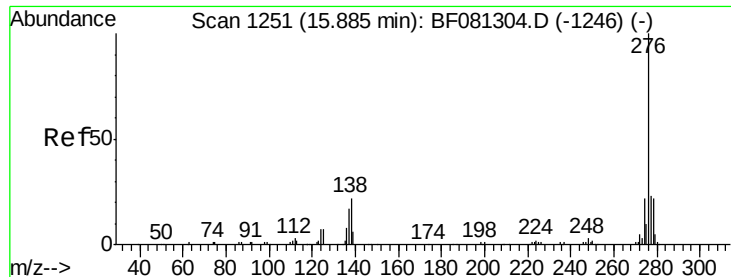
Delta R.T. -0.01 min

Lab File: BF081627.D

Acq: 15 Sep 2015 13:35

Tgt	Ion	228	Resp:	163291
Ion	Ratio	100	Lower	Upper
228	100			
226	29.4	21.0	31.4	
229	21.2	15.6	23.4	





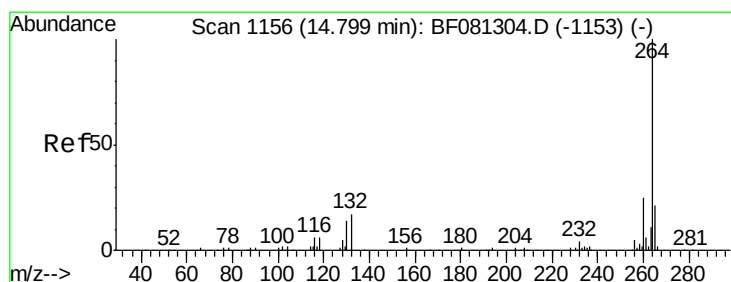
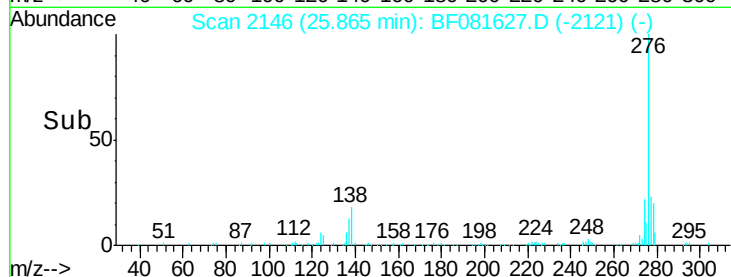
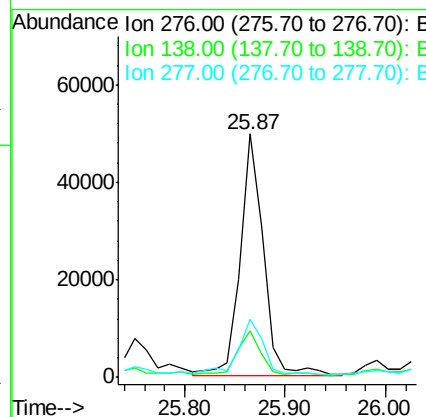
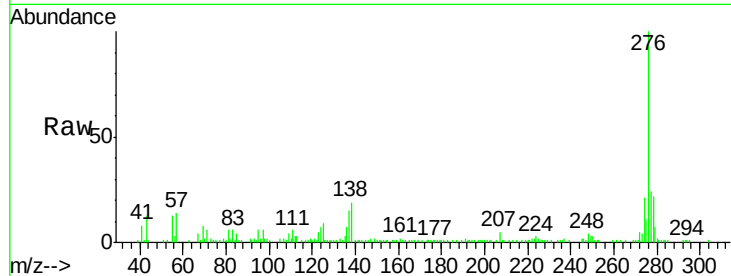
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 14.24 ng
 RT: 25.87 min Scan# 2146
 Delta R.T. -0.01 min
 Lab File: BF081627.D
 Acq: 15 Sep 2015 13:35

Instrument :
 BNA_F
 ClientSampleId :
 GP-4(0-5)RE

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.9	25.7	38.5#
277	26.3	15.6	23.4#

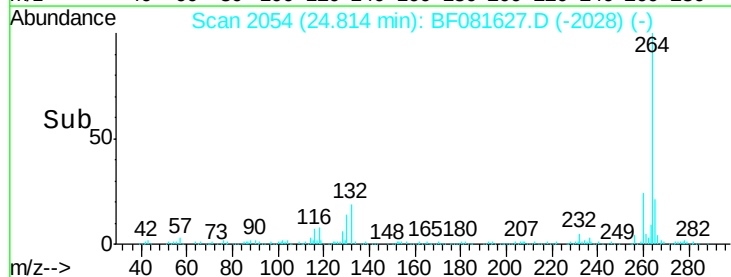
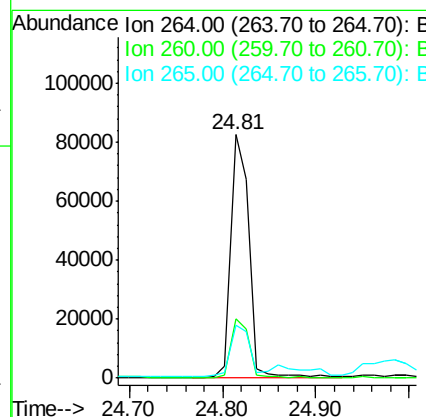
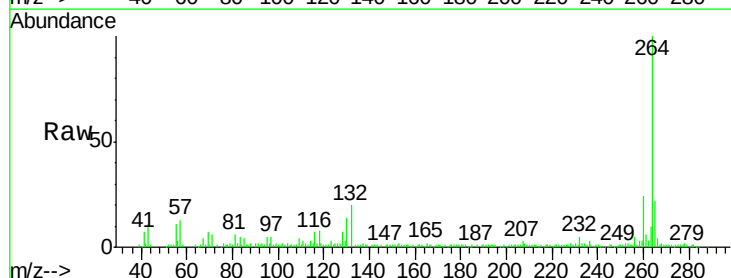
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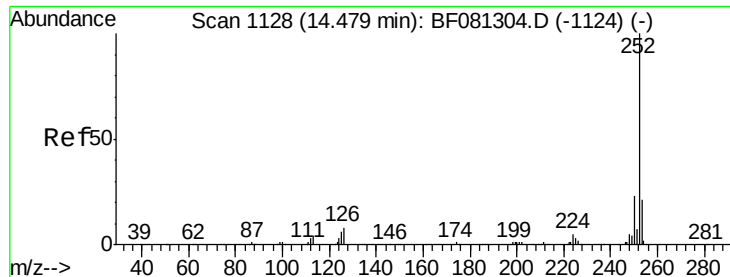
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.81 min Scan# 2054
 Delta R.T. 0.00 min
 Lab File: BF081627.D
 Acq: 15 Sep 2015 13:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	16.7	25.1
265	21.9	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 23.76 ng m

RT: 24.48 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF081627.D

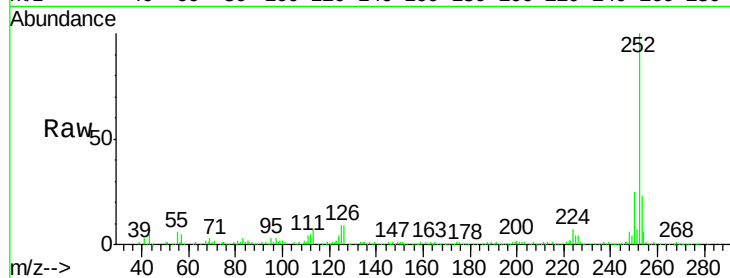
Acq: 15 Sep 2015 13:35

Instrument :

BNA_F

ClientSampleId :

GP-4(0-5)RE



Tgt Ion: 252 Resp: 191836

Ion Ratio Lower Upper

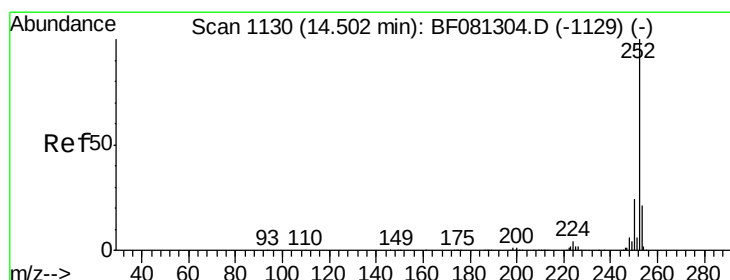
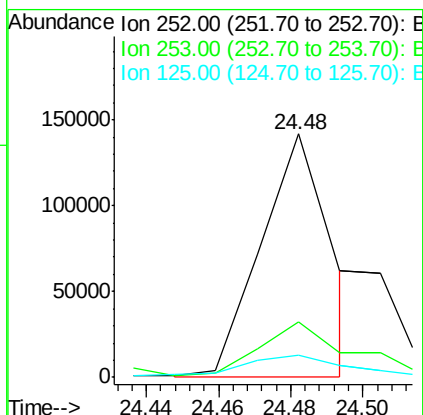
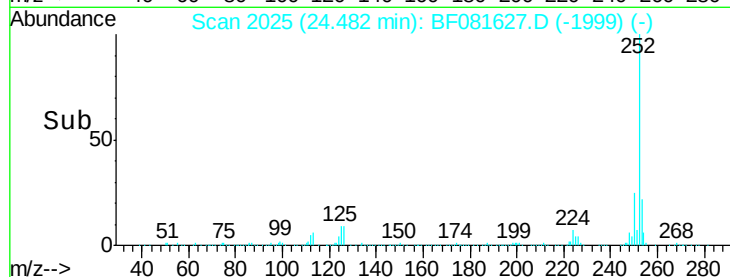
252 100

253 22.6 17.5 26.3

125 9.4 17.1 25.7#

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#88

Benzo(k)fluoranthene

Concen: 7.00 ng m

RT: 24.49 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF081627.D

Acq: 15 Sep 2015 13:35

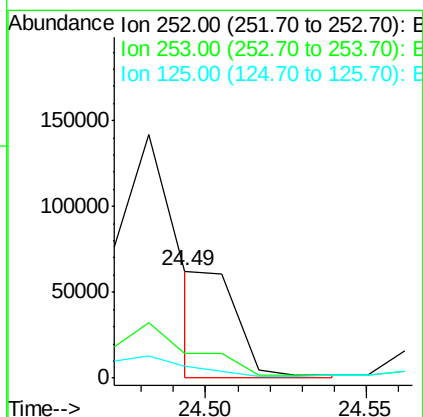
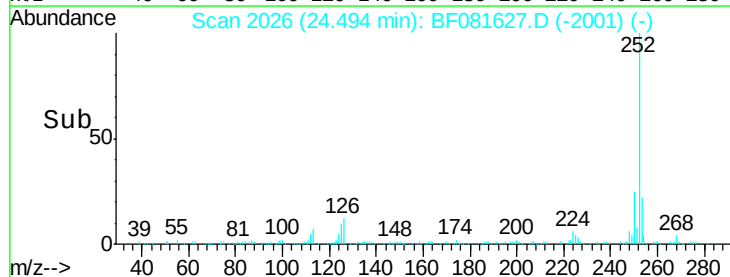
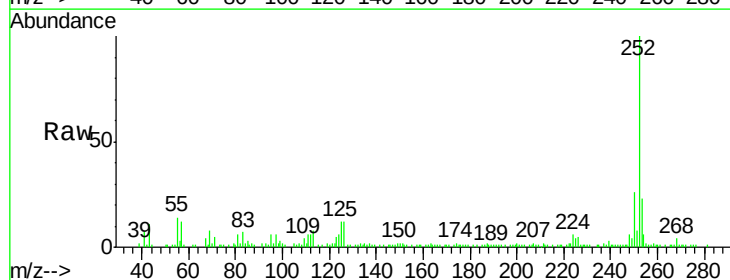
Tgt Ion: 252 Resp: 46874

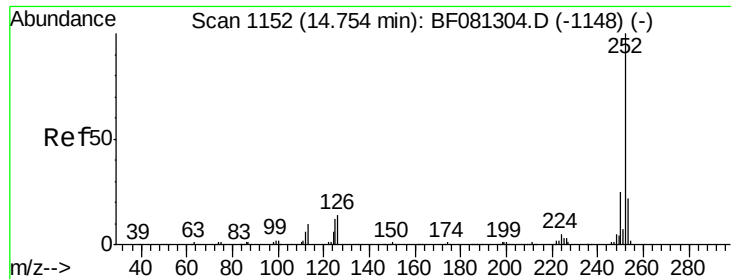
Ion Ratio Lower Upper

252 100

253 23.2 17.0 25.4

125 11.6 16.0 24.0#





#89

Benzo(a)pyrene

Concen: 20.51 ng

RT: 24.77 min Scan# 2050

Delta R.T. 0.00 min

Lab File: BF081627.D

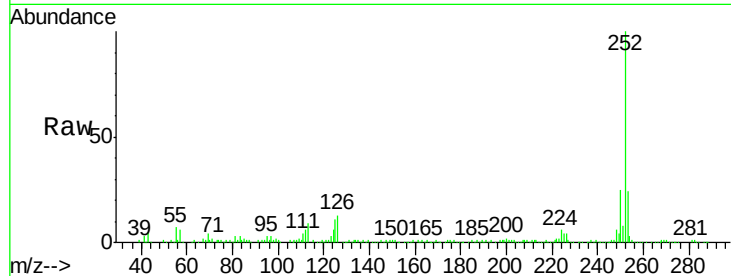
Acq: 15 Sep 2015 13:35

Instrument :

BNA_F

ClientSampleId :

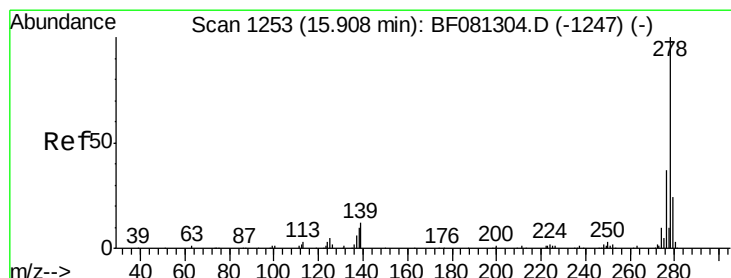
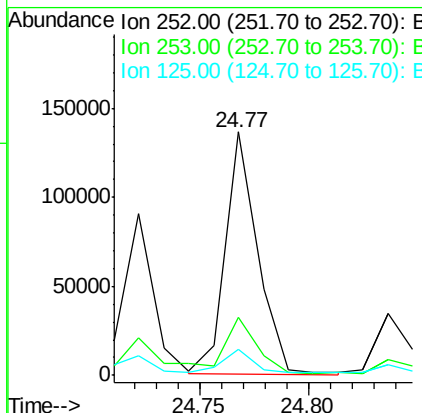
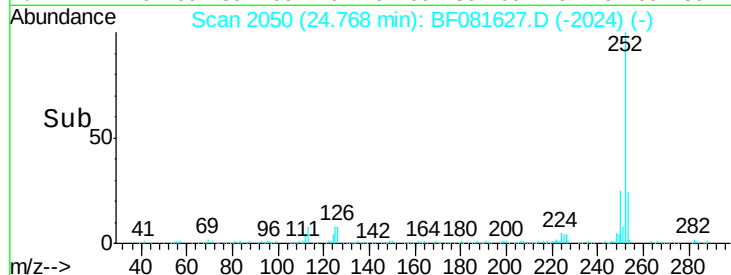
GP-4(0-5)RE



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.2	25.8
125	10.8	18.0	27.0#

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#90

Dibenzo(a,h)anthracene

Concen: 5.07 ng

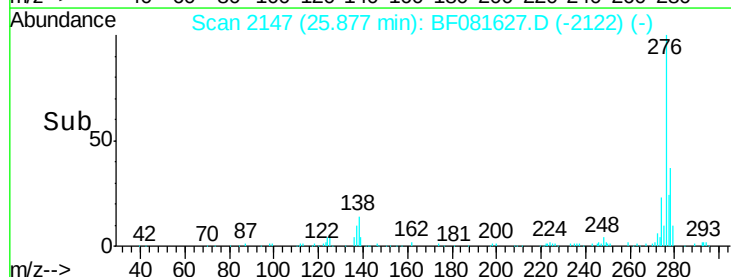
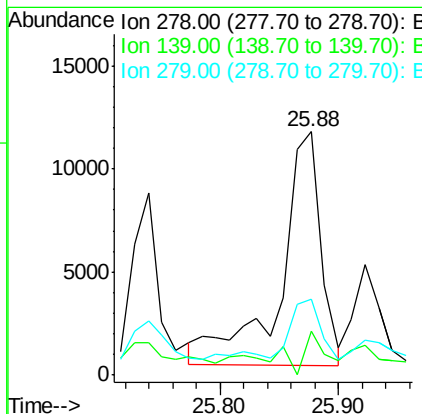
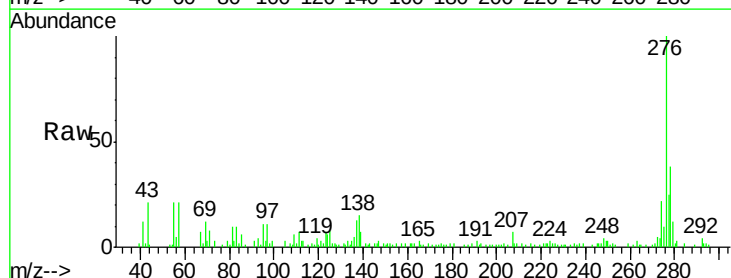
RT: 25.88 min Scan# 2147

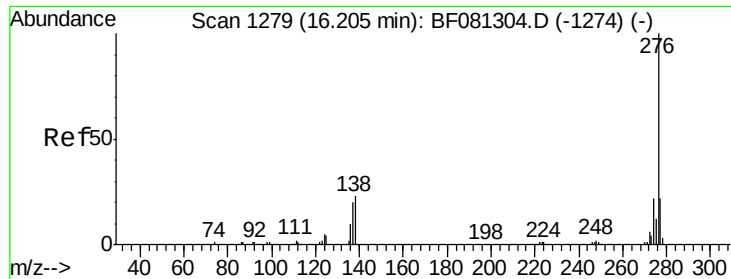
Delta R.T. -0.01 min

Lab File: BF081627.D

Acq: 15 Sep 2015 13:35

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.0	26.3	39.5#
279	31.3	18.2	27.4#





#91
 Benzo(g,h,i)perylene
 Concen: 14.03 ng
 RT: 26.17 min Scan# 2173
 Delta R.T. 0.00 min
 Lab File: BF081627.D
 Acq: 15 Sep 2015 13:35

Instrument :
 BNA_F
 ClientSampleId :
 GP-4(0-5)RE

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.8	26.6
138	16.7	34.6	51.8#

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