

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF101517\
 Data File : BF099525.D
 Acq On : 15 Oct 2017 20:40
 Operator : SJ/JU
 Sample : I5821-05 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WPSB-7A-2-BGS

Manual Integrations
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Sohil
 10/16/2017 7:45:41 PM

Quant Time: Oct 16 02:59:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	88850	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	331129	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	115622	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	173519	20.00	ng	0.00
75) Chrysene-d12	14.02	240	183464	20.00	ng	0.00
86) Perylene-d12	15.49	264	170977	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	136455	24.45	ng	0.00
7) Phenol-d6	6.47	99	158974	23.09	ng	-0.01
23) Nitrobenzene-d5	7.40	82	85265	16.51	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	18743	19.81	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	160283	23.14	ng	-0.01
78) Terphenyl-d14	12.95	244	115000	14.26	ng	0.00
Target Compounds						
31) Naphthalene	8.15	128	73381	4.718	ng	98
37) 2-Methylnaphthalene	8.84	142	27152	2.686	ng	97
51) Acenaphthene	9.91	154	37820	5.227	ng	98
54) Dibenzofuran	10.09	168	38927	4.041	ng	97
57) Fluorene	10.43	166	33299	4.301	ng	96
70) Phenanthrene	11.39	178	464527	50.014	ng	98
71) Anthracene	11.45	178	84384	8.879	ng	98
72) Carbazole	11.60	167	44516	4.783	ng	99
74) Fluoranthene	12.59	202	441582	46.951	ng	98
77) Pyrene	12.82	202	413602	29.564	ng	99
80) Benzo(a)anthracene	14.00	228	196439	17.683	ng	99
82) Chrysene	14.04	228	177925	16.823	ng	98
85) Indeno(1,2,3-cd)pyrene	16.97	276	64322	7.603	ng	100
87) Benzo(b)fluoranthene	15.06	252	198336m	18.867	ng	
88) Benzo(k)fluoranthene	15.08	252	64620m	6.224	ng	
89) Benzo(a)pyrene	15.43	252	134460	13.934	ng	95
90) Dibenzo(a,h)anthracene	16.97	278	17160	2.222	ng	# 75
91) Benzo(g,h,i)perylene	17.42	276	61653	8.077	ng	96

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

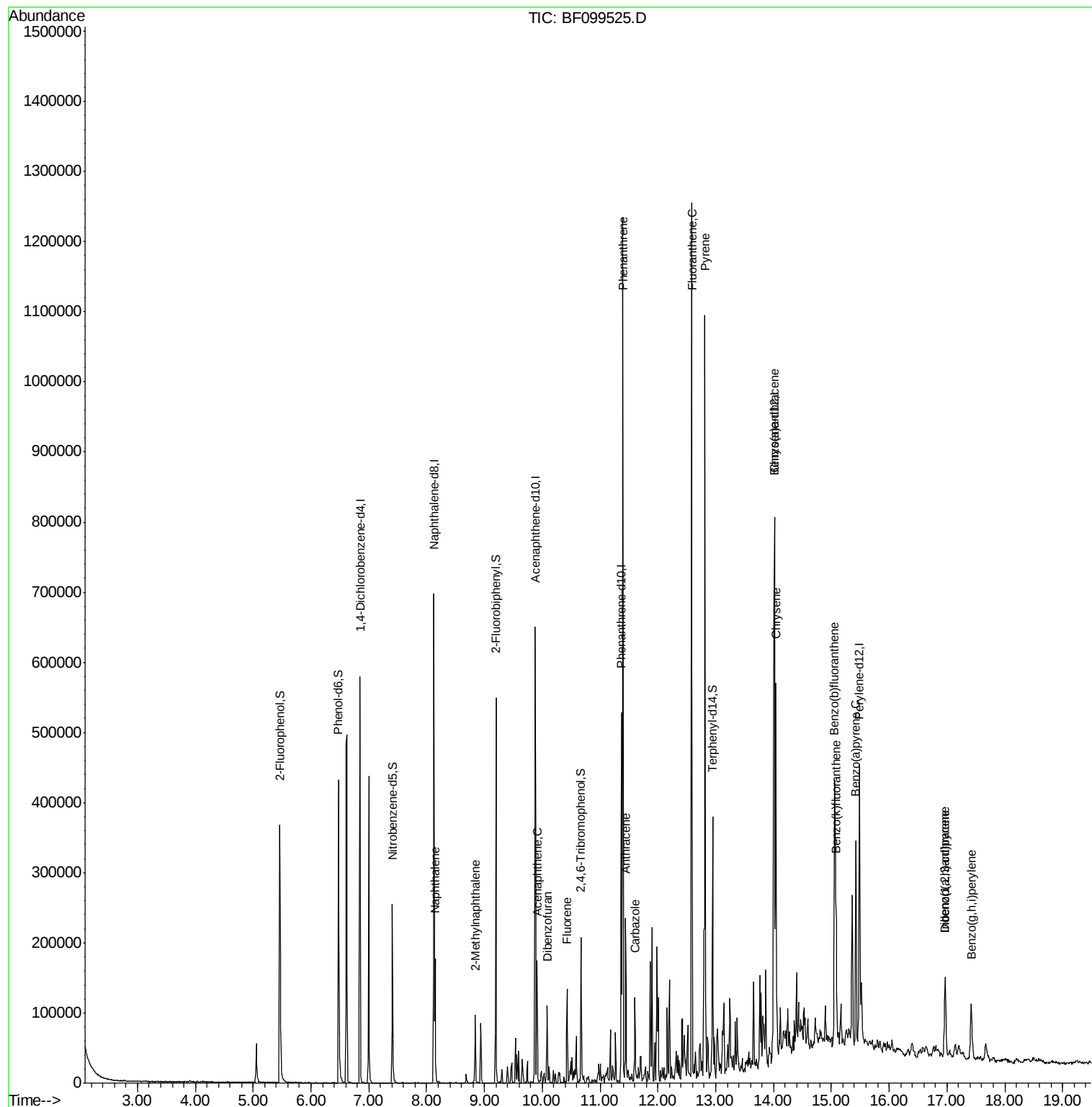
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF101517\
Data File : BF099525.D
Acq On : 15 Oct 2017 20:40
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
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#1

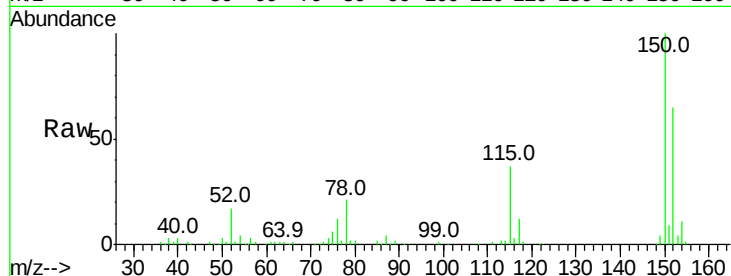
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF099525.D
Acq: 15 Oct 2017 20:40

Instrument :
BNA_F
ClientSampleId :
WPSB-7A-2-BGS

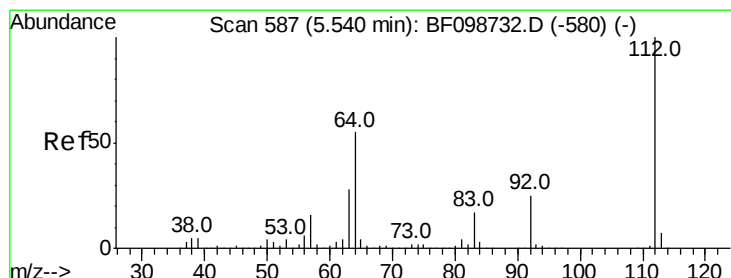
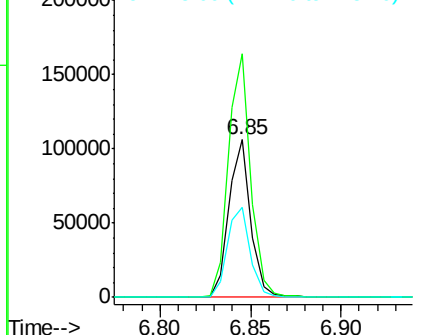
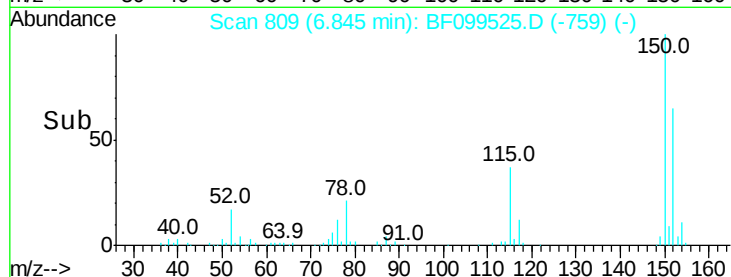
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.6	186.8
115	57.6	50.1	75.1

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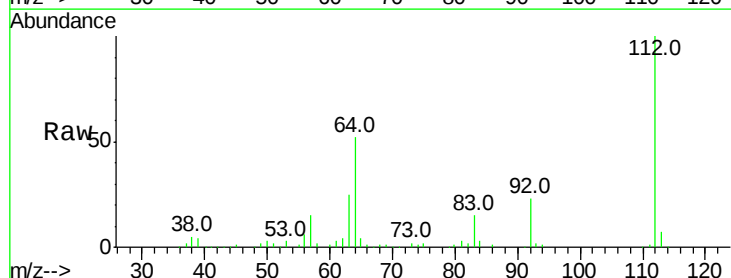
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



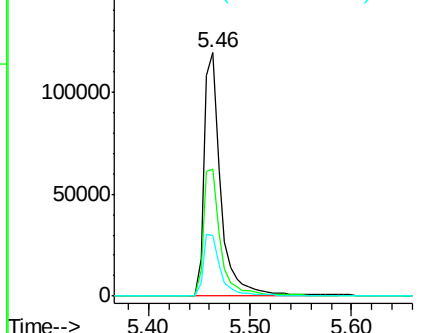
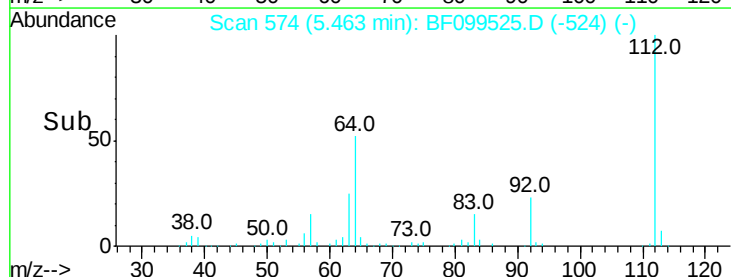
#5

2-Fluorophenol
Concen: 24.448 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF099525.D
Acq: 15 Oct 2017 20:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.0	47.9	71.9
63	24.9	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 23.089 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF099525.D

Acq: 15 Oct 2017 20:40

Instrument :

BNA_F

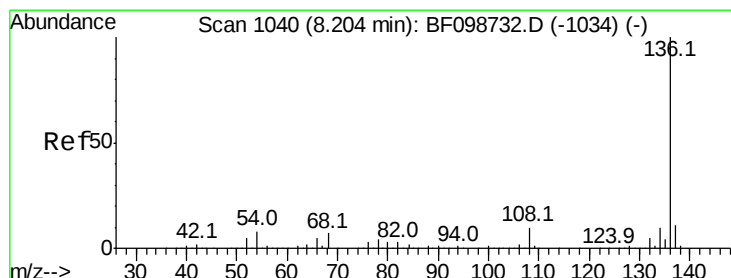
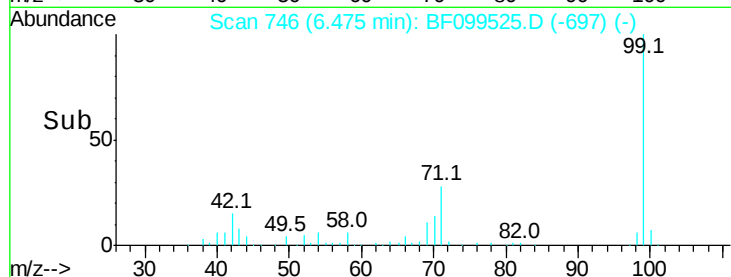
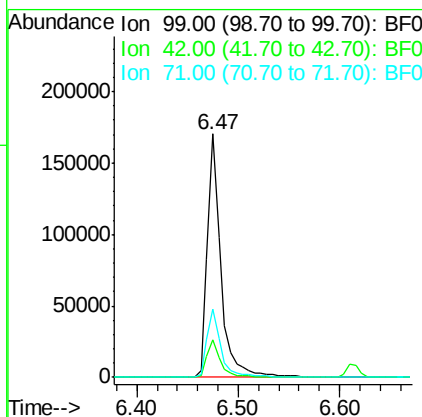
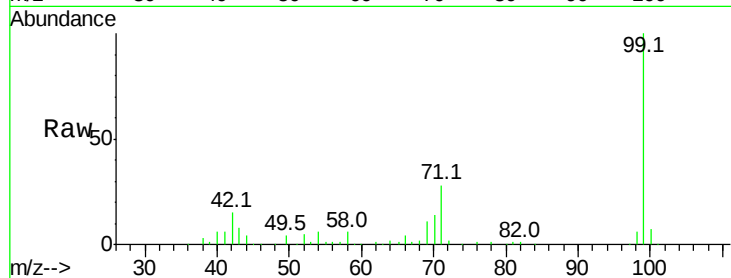
ClientSampleId :

WPSB-7A-2-BGS

Tot Ion:	99	Resp:	158974
Ion	Ratio	Lower	Upper
99	100		
42	15.2	14.5	21.7
71	28.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

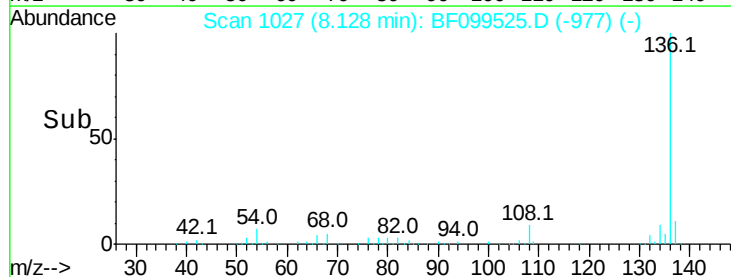
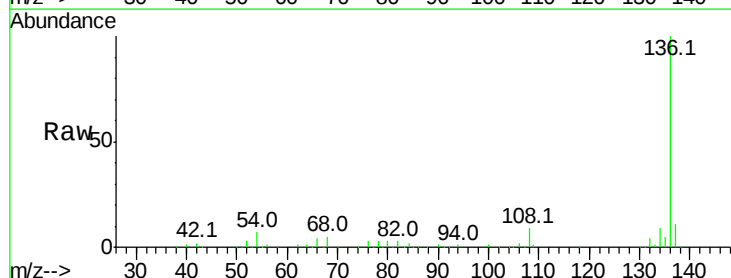
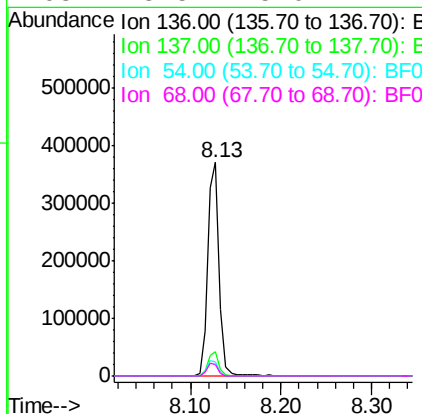
RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF099525.D

Acq: 15 Oct 2017 20:40

Tgt Ion:	136	Resp:	331129
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	6.6	6.6	9.8
68	5.5	5.0	7.4





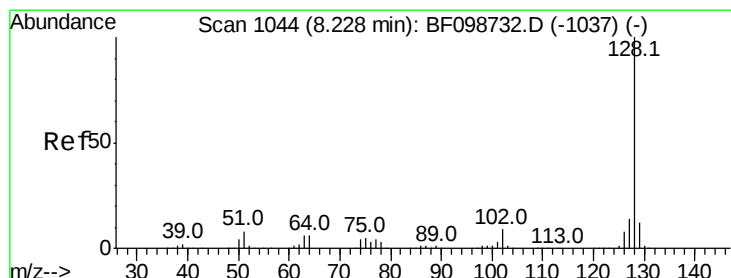
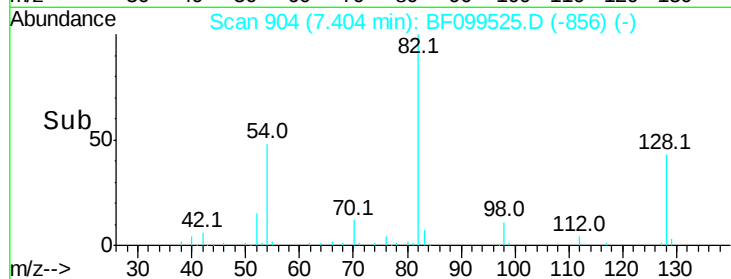
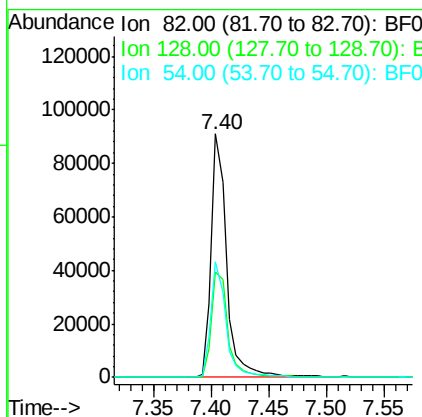
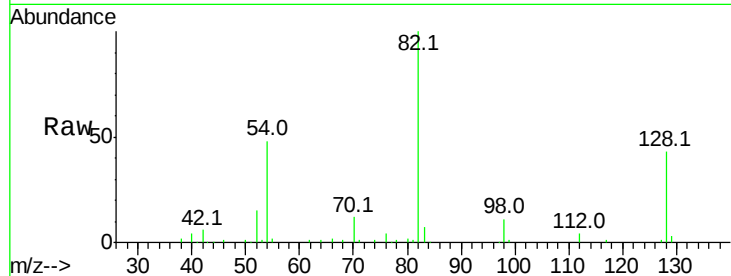
#23
Nitrobenzene-d5
Concen: 16.513 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.02 min
Lab File: BF099525.D
Acq: 15 Oct 2017 20:40

Instrument :
BNA_F
ClientSampleId :
WPSB-7A-2-BGS

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.3	36.1	54.1
54	47.7	41.4	62.2

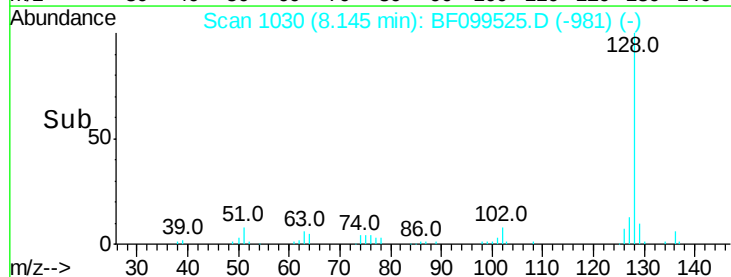
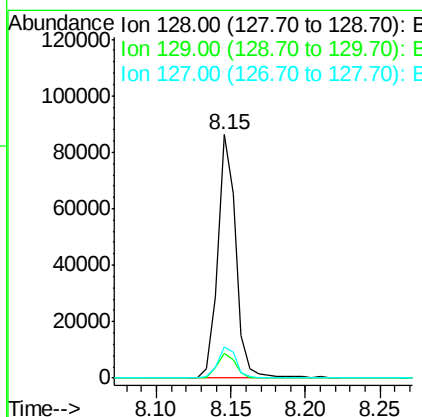
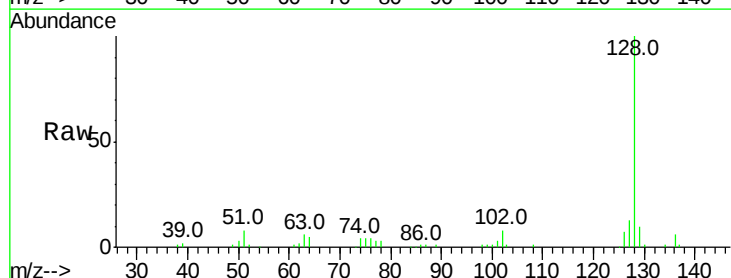
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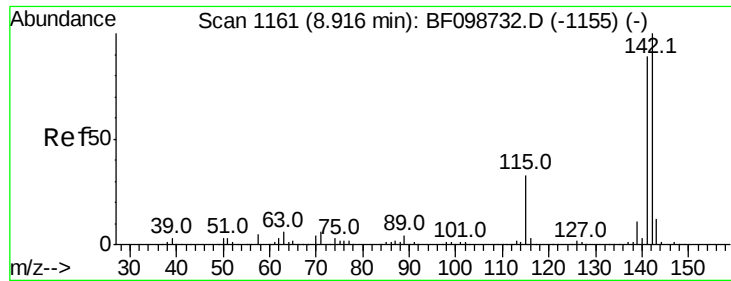
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#31
Naphthalene
Concen: 4.718 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF099525.D
Acq: 15 Oct 2017 20:40

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	12.9	10.9	16.3





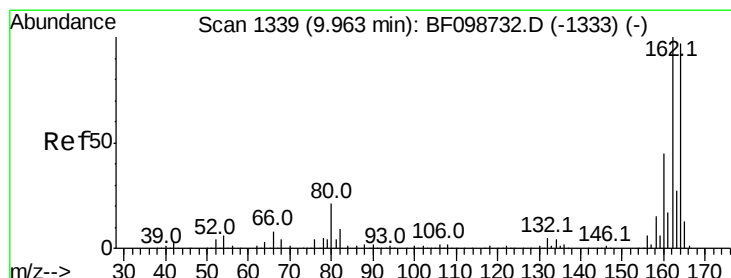
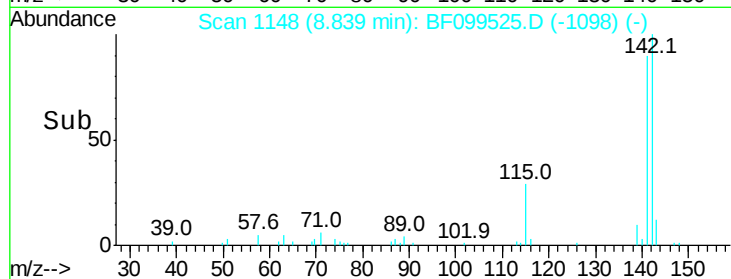
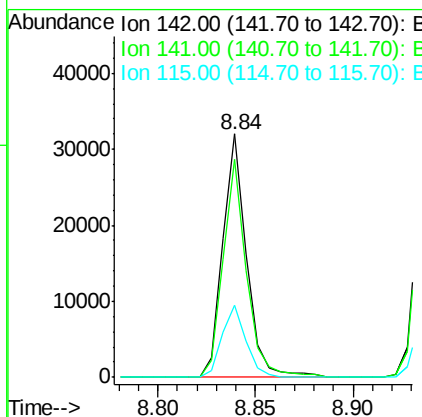
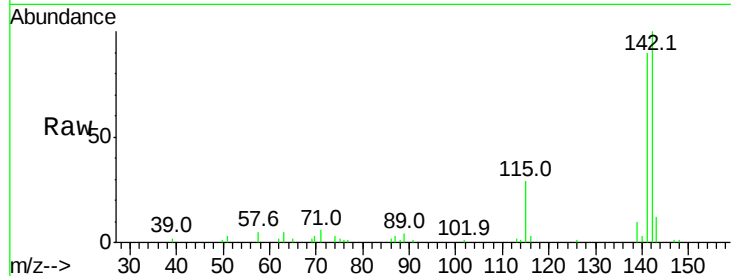
#37
2-Methylnaphthalene
Concen: 2.686 ng
RT: 8.84 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF099525.D
Acq: 15 Oct 2017 20:40

Instrument :
BNA_F
ClientSampleId :
WPSB-7A-2-BGS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.8	70.8	106.2
115	29.4	26.1	39.1

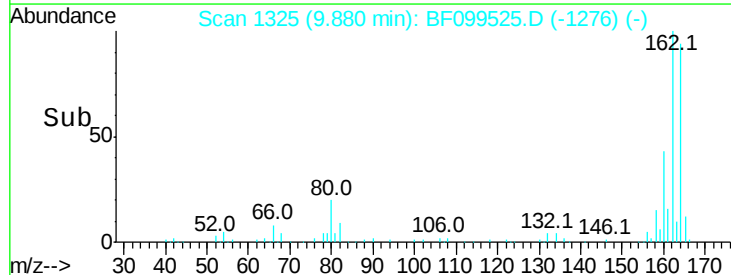
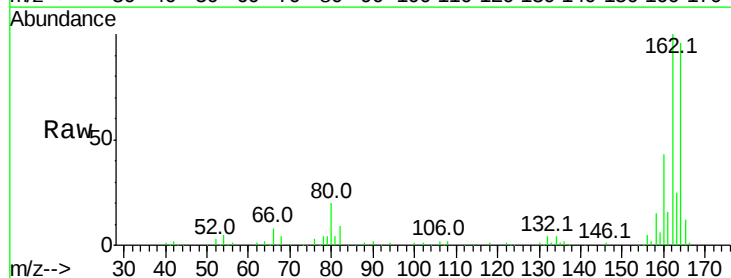
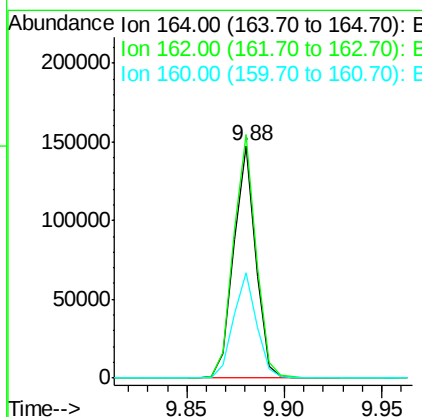
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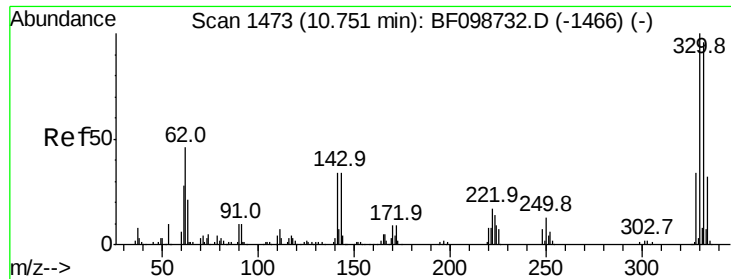
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF099525.D
Acq: 15 Oct 2017 20:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	86.1	129.1
160	45.3	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 19.811 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF099525.D

Acq: 15 Oct 2017 20:40

Instrument :

BNA_F

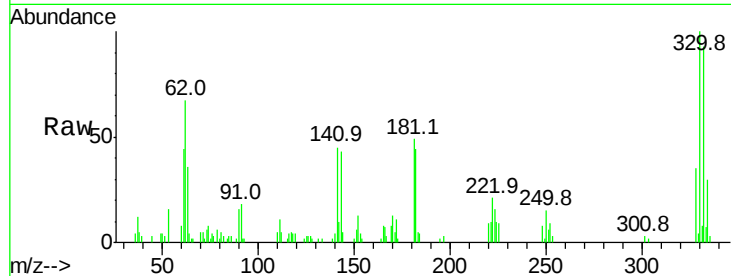
ClientSampled :

WPSB-7A-2-BGS

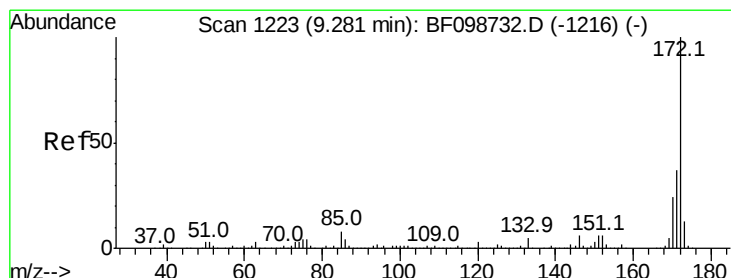
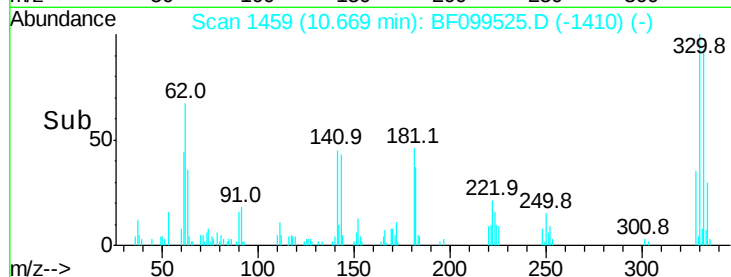
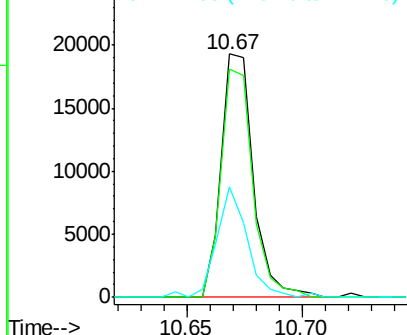
Tot Ion:	330	Resp:	18743
Ion Ratio	Lower	Upper	
330	100		
332	92.5	77.0	115.6
141	43.6	29.9	44.9

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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: 23.143 ng

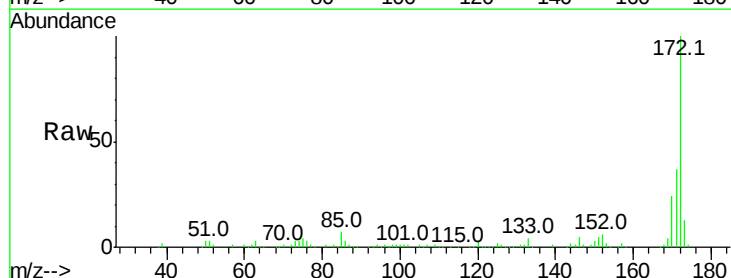
RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

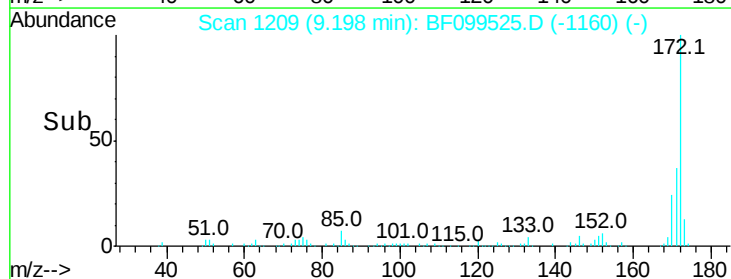
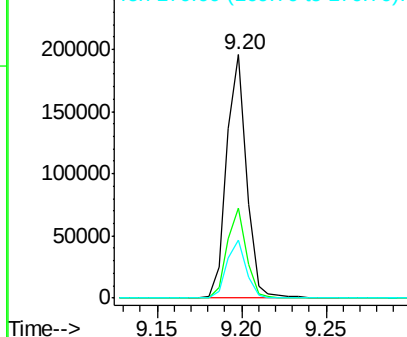
Lab File: BF099525.D

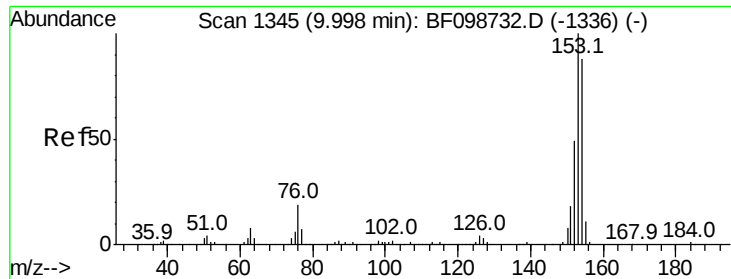
Acq: 15 Oct 2017 20:40

Tgt Ion:	172	Resp:	160283
Ion Ratio	Lower	Upper	
172	100		
171	36.8	29.7	44.5
170	24.1	19.6	29.4



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





#51

Acenaphthene

Concen: 5.227 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.02 min

Lab File: BF099525.D

Acq: 15 Oct 2017 20:40

Instrument :

BNA_F

ClientSampleId :

WPSB-7A-2-BGS

Tot Ion:154 Resp: 37820

Ion Ratio Lower Upper

154 100

153 115.4 91.2 136.8

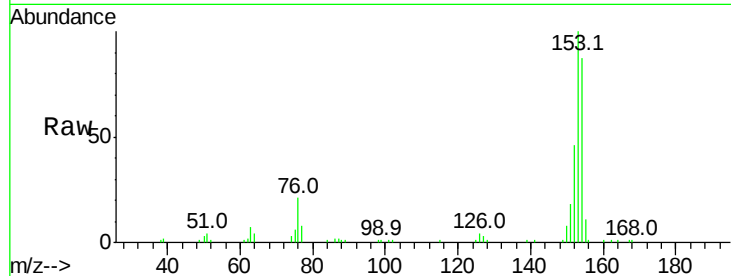
152 53.2 43.8 65.8

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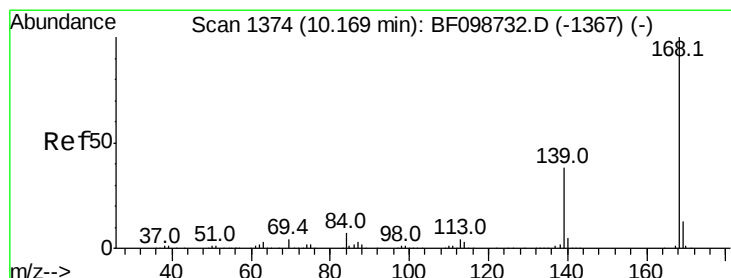
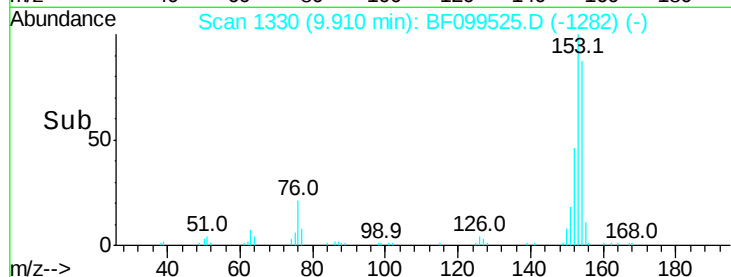
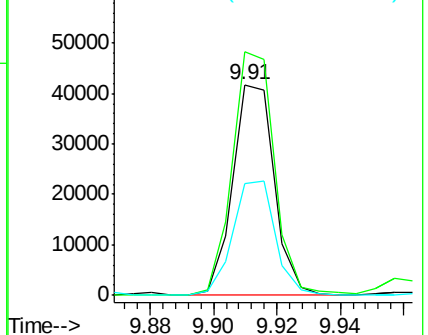
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 4.041 ng

RT: 10.09 min Scan# 1360

Delta R.T. -0.01 min

Lab File: BF099525.D

Acq: 15 Oct 2017 20:40

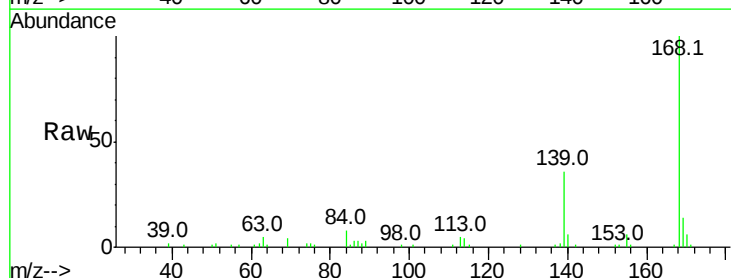
Tgt Ion:168 Resp: 38927

Ion Ratio Lower Upper

168 100

139 35.9 30.1 45.1

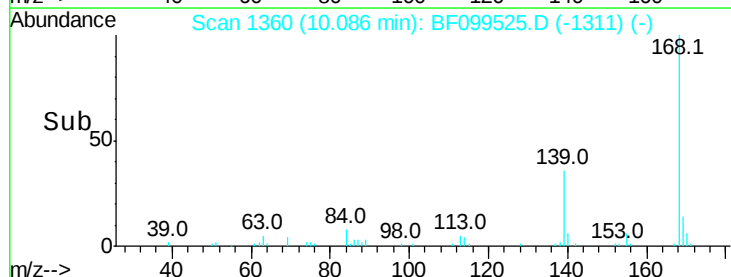
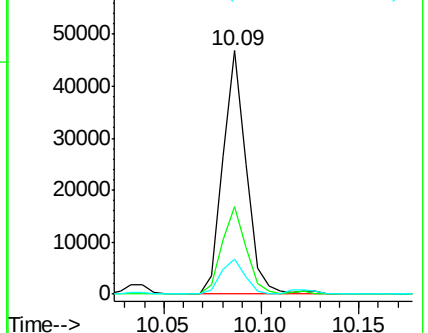
169 14.3 10.9 16.3

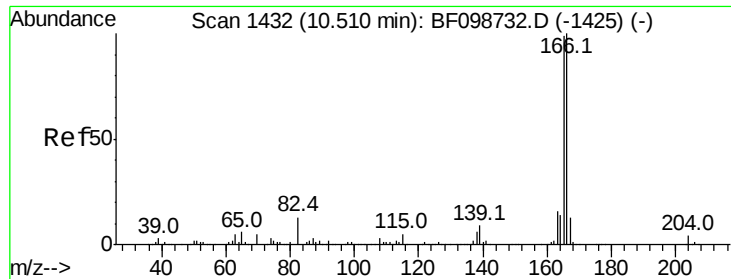


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 4.301 ng

RT: 10.43 min Scan# 1418

Delta R.T. -0.01 min

Lab File: BF099525.D

Acq: 15 Oct 2017 20:40

Instrument :

BNA_F

ClientSampleId :

WPSB-7A-2-BGS

Tot Ion:166 Resp: 33299

Ion Ratio Lower Upper

166 100

165 104.3 79.8 119.8

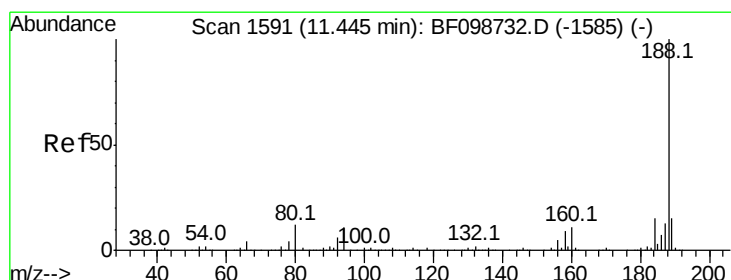
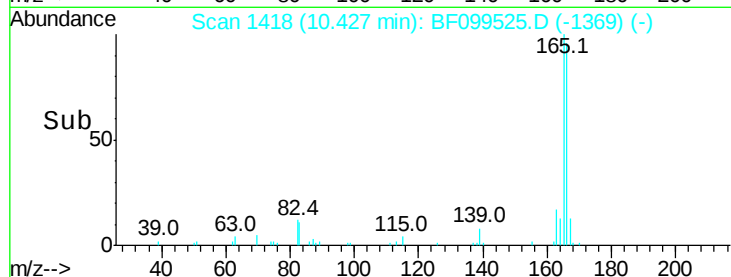
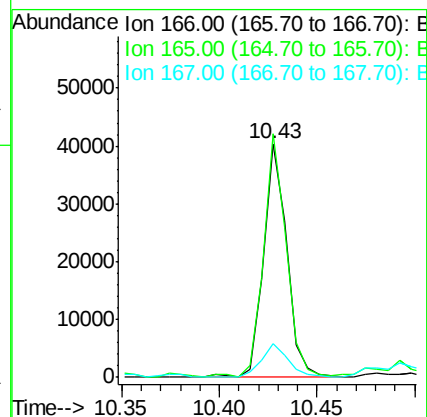
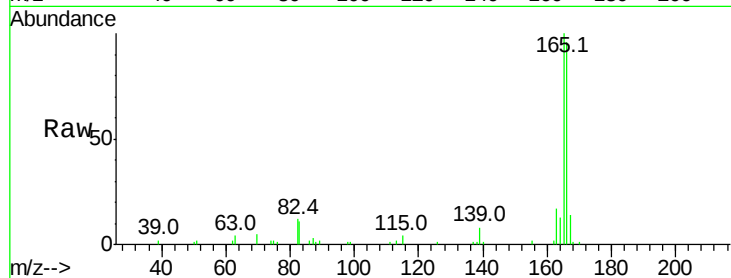
167 14.6 10.6 16.0

Manual Integrations

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#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF099525.D

Acq: 15 Oct 2017 20:40

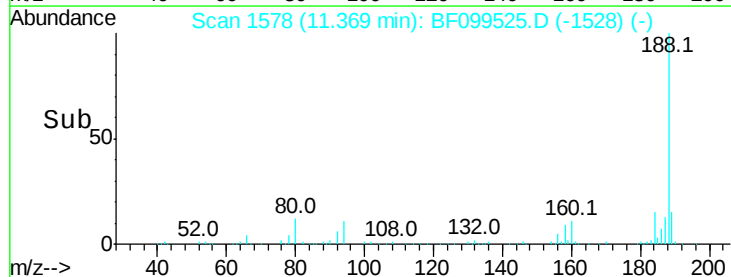
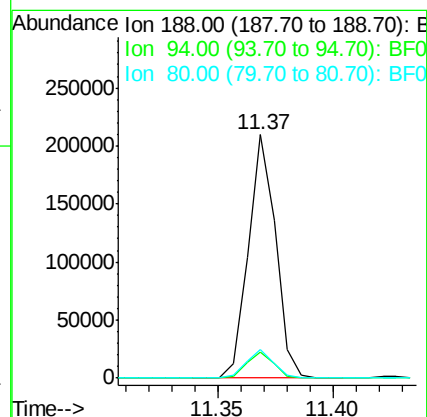
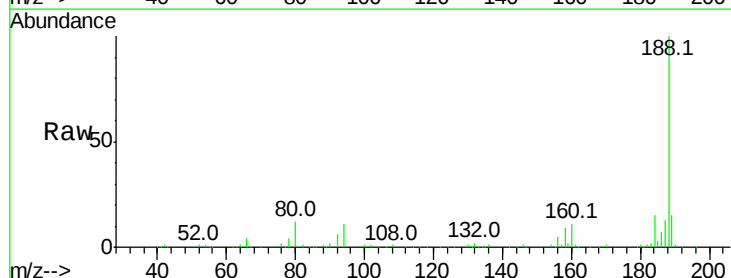
Tgt Ion:188 Resp: 173519

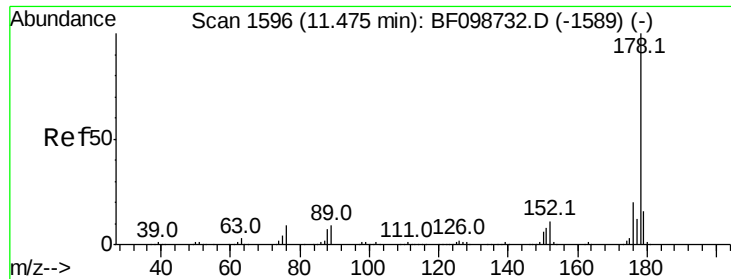
Ion Ratio Lower Upper

188 100

94 10.6 8.5 12.7

80 11.7 9.2 13.8





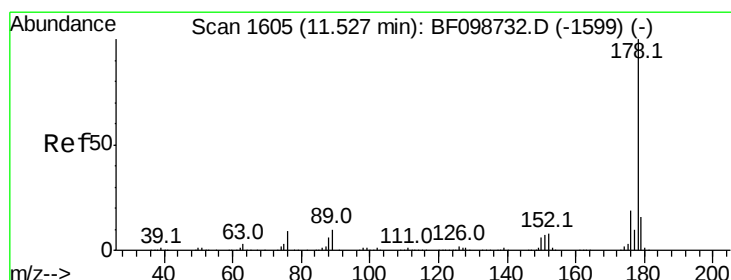
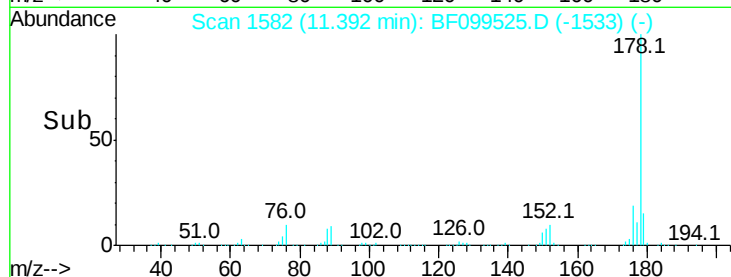
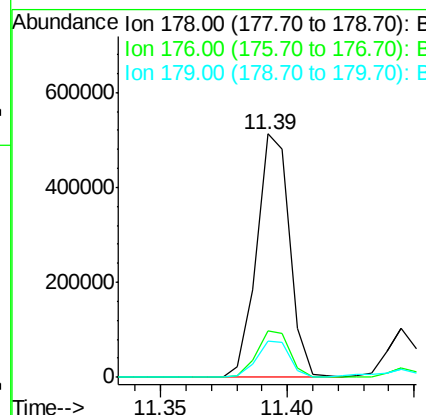
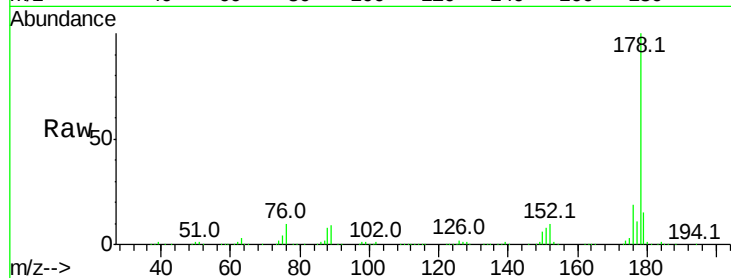
#70
Phenanthrene
Concen: 50.014 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF099525.D
Acq: 15 Oct 2017 20:40

Instrument :
BNA_F
ClientSampleId :
WPSB-7A-2-BGS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	14.9	13.0	19.6

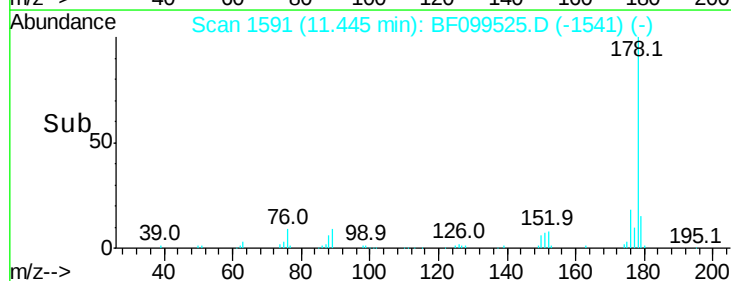
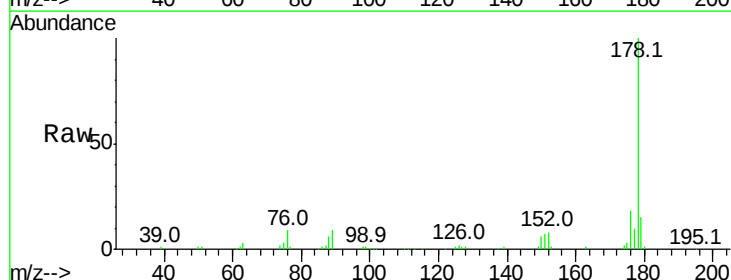
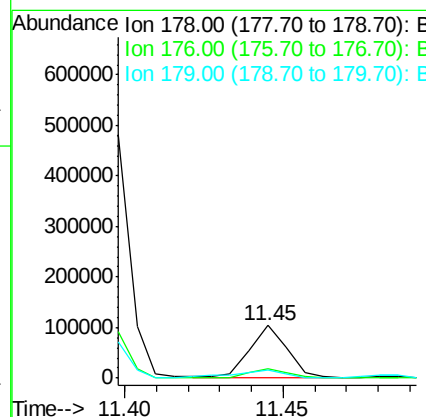
Manual Integrations
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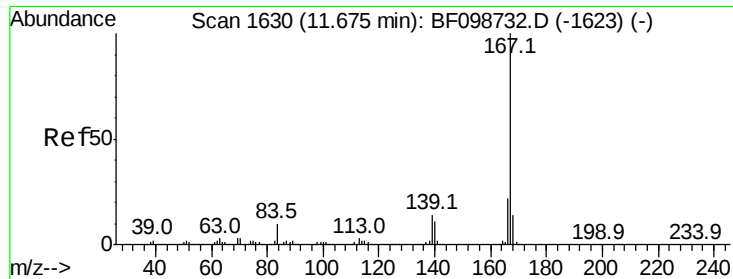
Sohil
10/16/2017 7:45:41 PM



#71
Anthracene
Concen: 8.879 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF099525.D
Acq: 15 Oct 2017 20:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.2
179	15.3	12.6	19.0





#72

Carbazole

Concen: 4.783 ng

RT: 11.60 min Scan# 1618

Delta R.T. -0.01 min

Lab File: BF099525.D

Acq: 15 Oct 2017 20:40

Instrument :

BNA_F

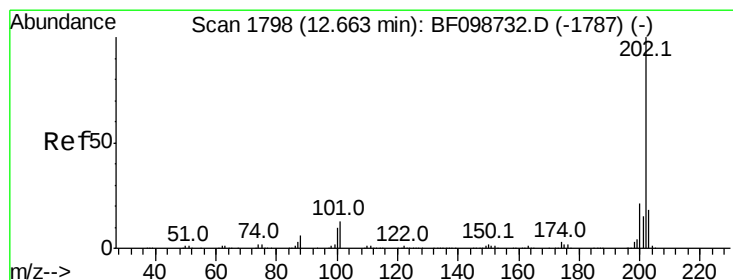
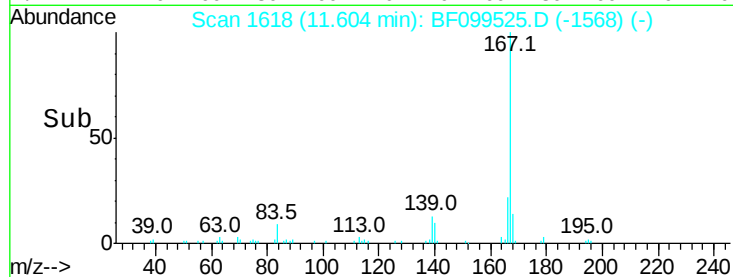
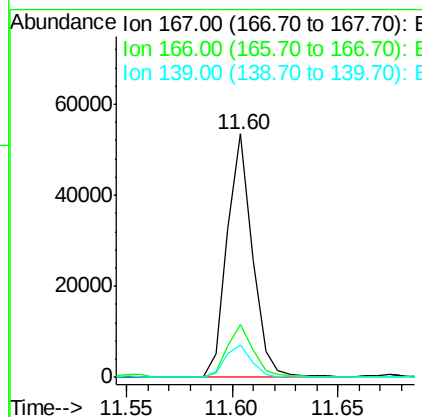
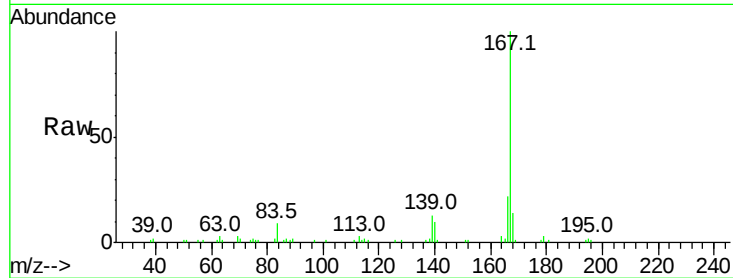
ClientSampleId :

WPSB-7A-2-BGS

Tot Ion:	167	Resp:	44516
Ion Ratio	Lower	Upper	
167	100		
166	21.5	17.6	26.4
139	13.3	10.9	16.3

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#74

Fluoranthene

Concen: 46.951 ng

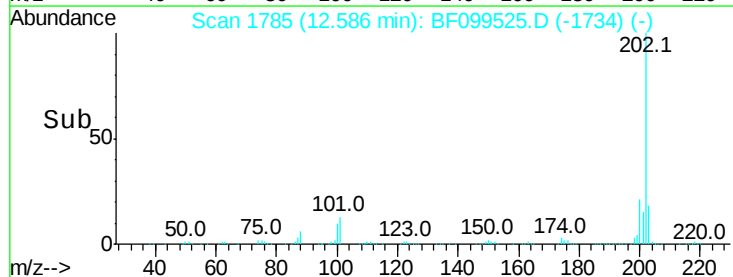
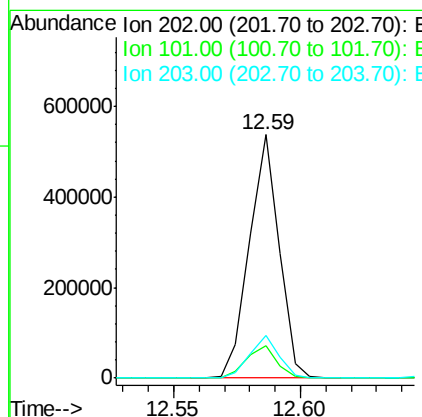
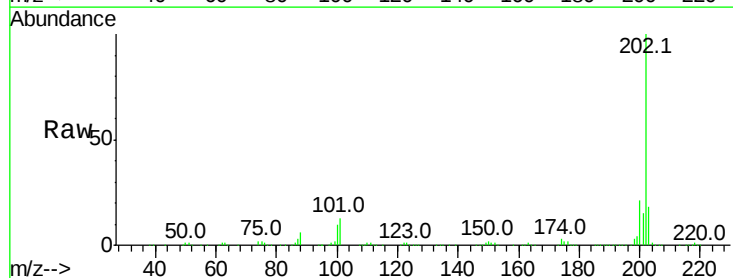
RT: 12.59 min Scan# 1785

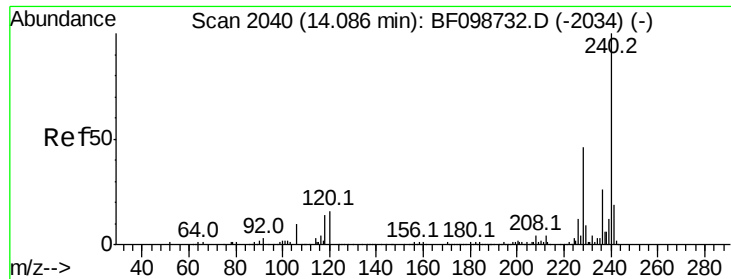
Delta R.T. -0.00 min

Lab File: BF099525.D

Acq: 15 Oct 2017 20:40

Tgt Ion:	202	Resp:	441582
Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	34.1
203	17.5	0.0	38.1





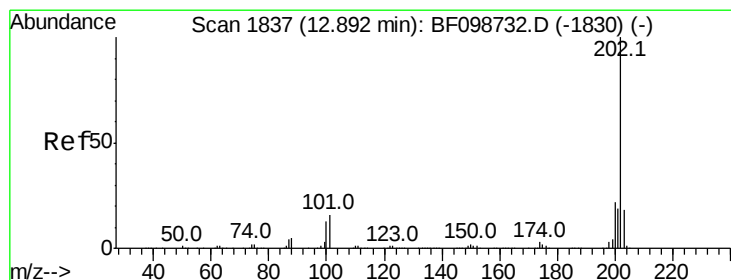
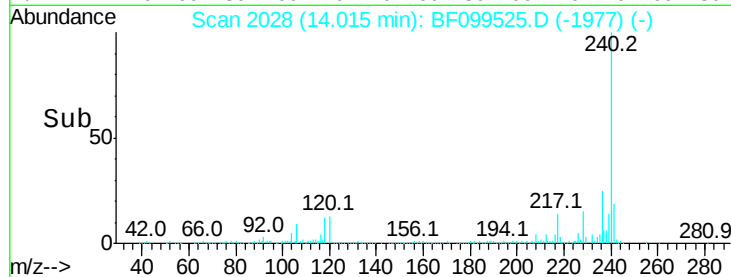
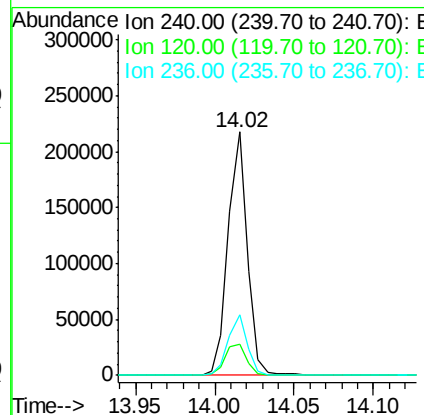
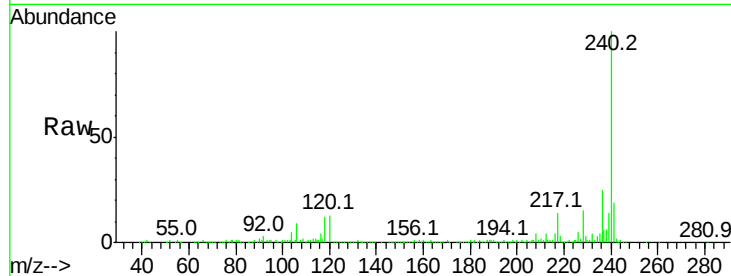
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BF099525.D
Acq: 15 Oct 2017 20:40

Instrument :
BNA_F
ClientSampleId :
WPSB-7A-2-BGS

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.0	9.5	14.3
236	24.8	20.7	31.1

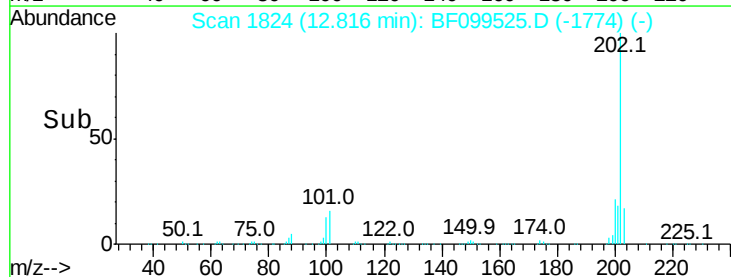
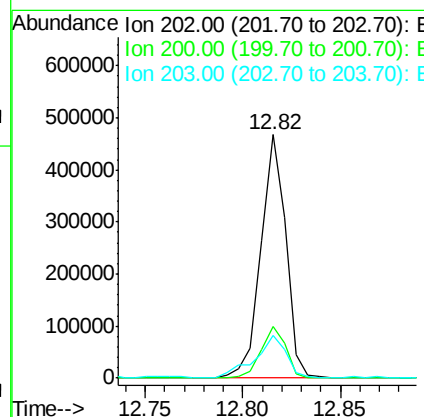
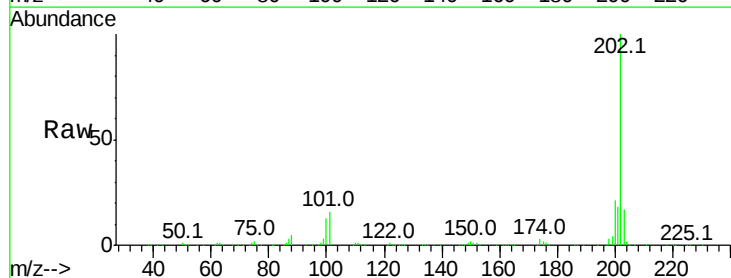
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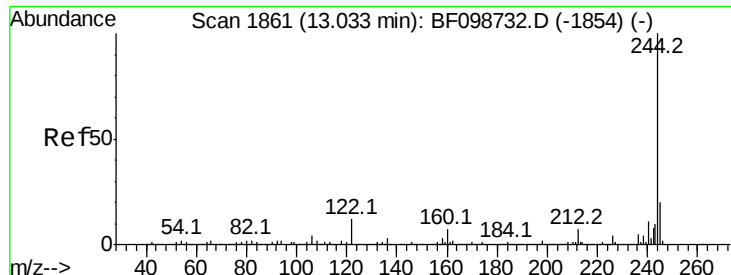
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#77
Pyrene
Concen: 29.564 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF099525.D
Acq: 15 Oct 2017 20:40

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.5	14.3	21.5





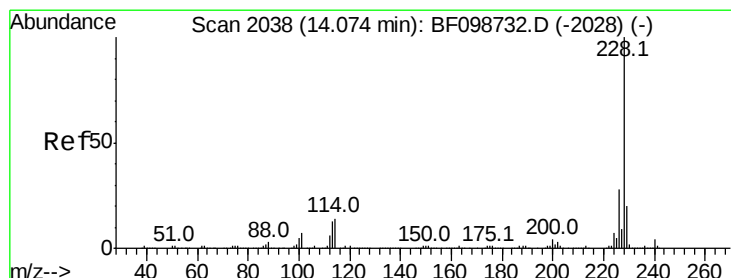
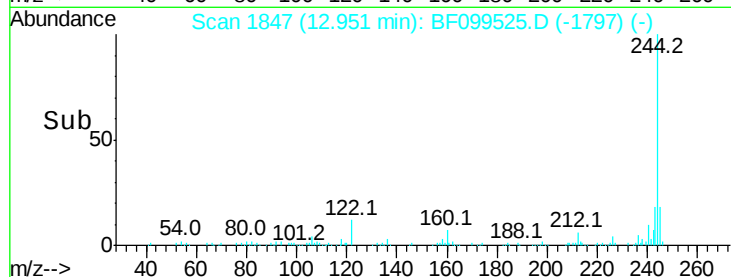
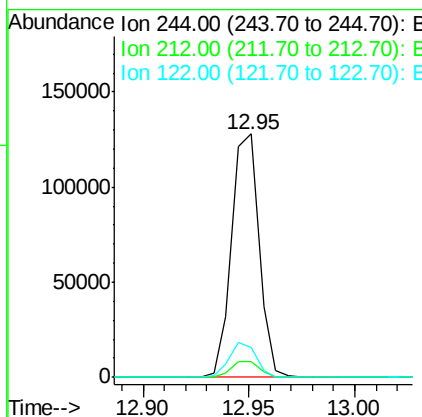
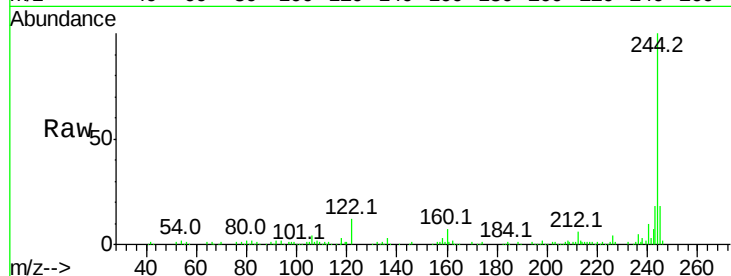
#78
 Terphenyl-d14
 Concen: 14.255 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF099525.D
 Acq: 15 Oct 2017 20:40

Instrument :
 BNA_F
 ClientSampleId :
 WPSB-7A-2-BGS

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	12.5	11.0	16.4

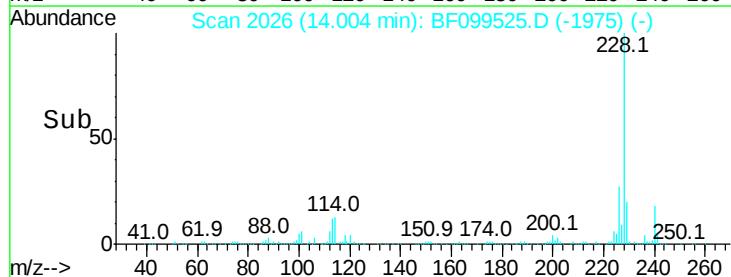
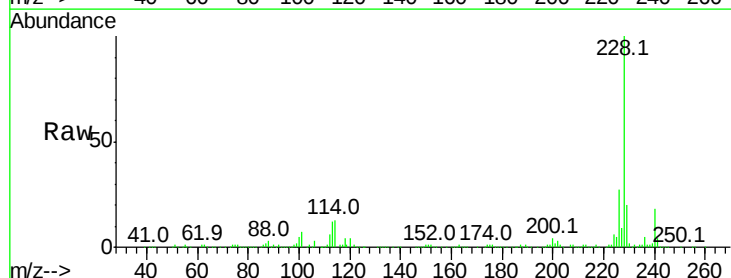
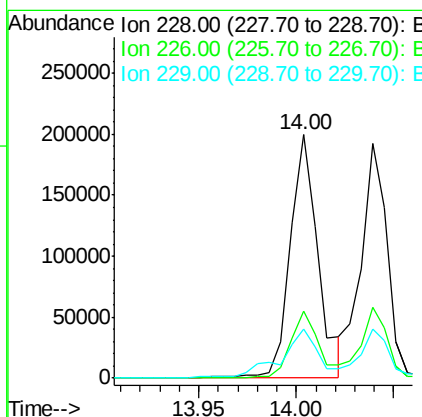
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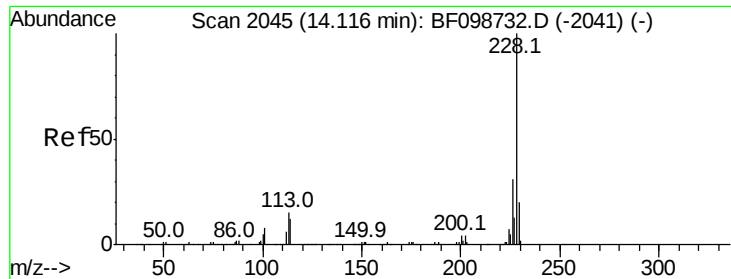
Sohil
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#80
 Benzo(a)anthracene
 Concen: 17.683 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.00 min
 Lab File: BF099525.D
 Acq: 15 Oct 2017 20:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.6	33.8
229	20.1	15.8	23.6





#82

Chrysene

Concen: 16.823 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF099525.D

Acq: 15 Oct 2017 20:40

Instrument :

BNA_F

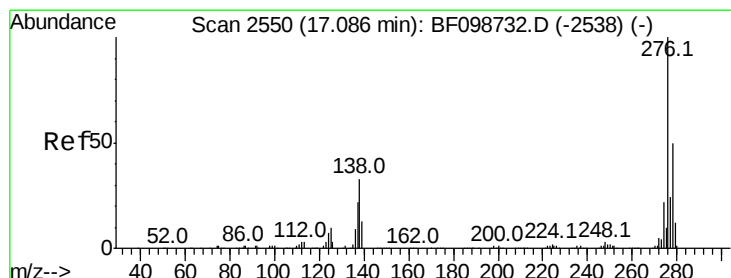
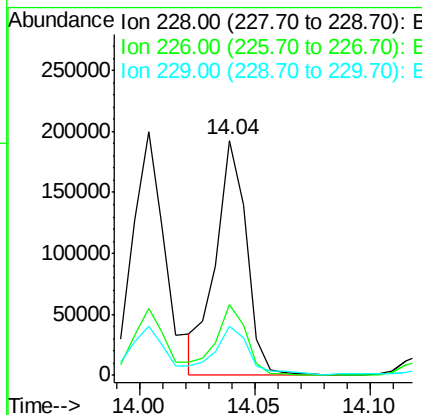
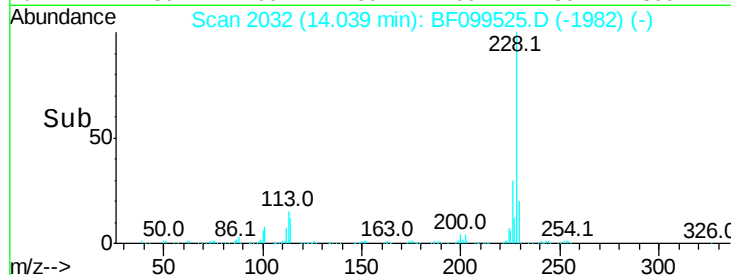
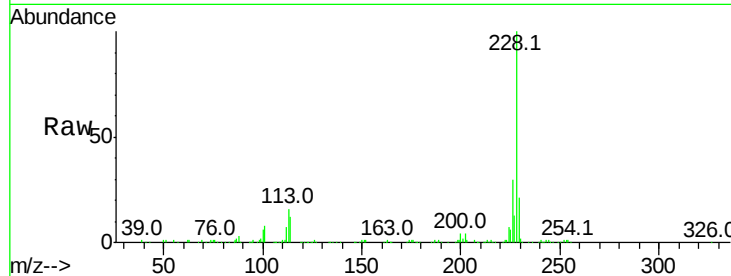
ClientSampleId :

WPSB-7A-2-BGS

Tot Ion:	228	Resp:	177925
Ion Ratio	Lower	Upper	
228	100		
226	29.9	25.0	37.6
229	20.9	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 7.603 ng

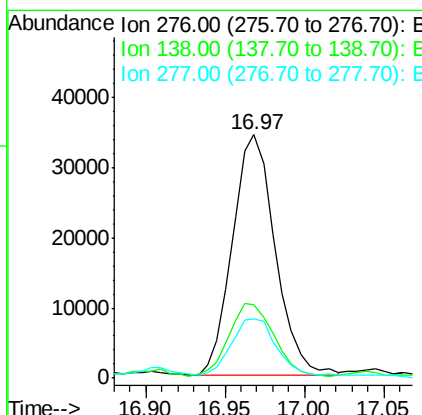
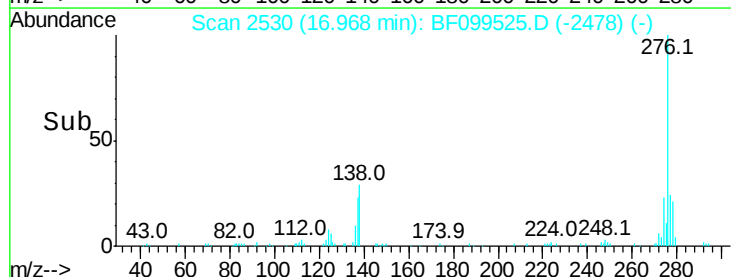
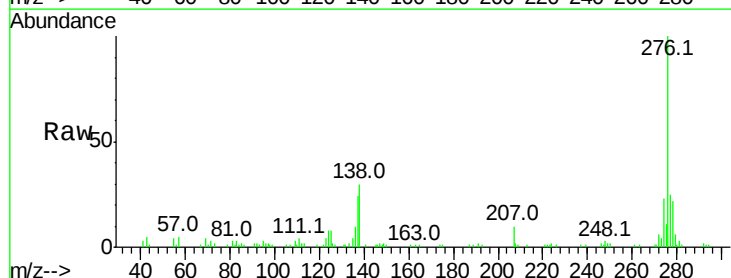
RT: 16.97 min Scan# 2530

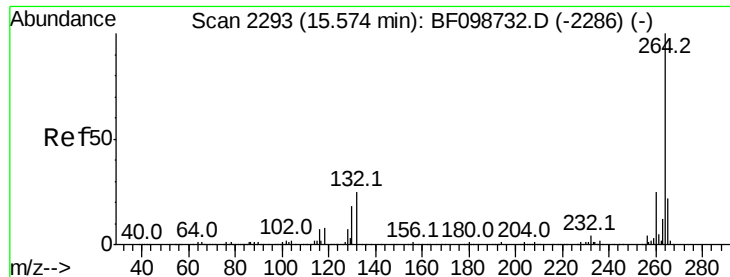
Delta R.T. 0.01 min

Lab File: BF099525.D

Acq: 15 Oct 2017 20:40

Tgt Ion:	276	Resp:	64322
Ion Ratio	Lower	Upper	
276	100		
138	31.6	25.0	37.6
277	24.9	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2278

Delta R.T. 0.01 min

Lab File: BF099525.D

Acq: 15 Oct 2017 20:40

Instrument :

BNA_F

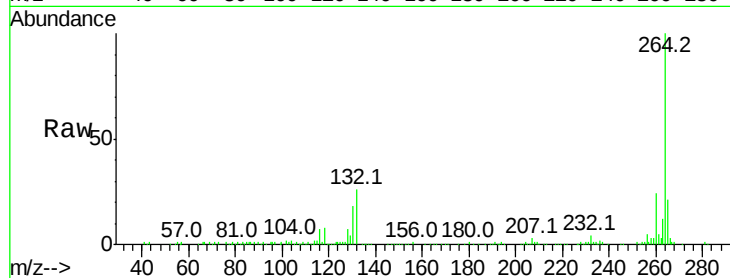
ClientSampleId :

WPSB-7A-2-BGS

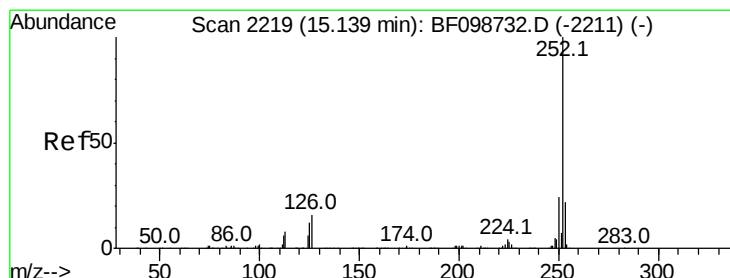
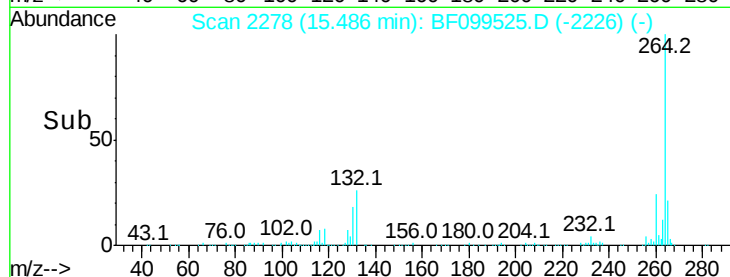
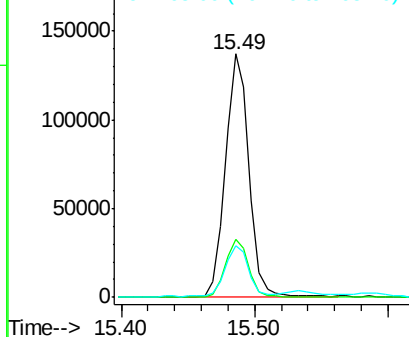
Tot Ion:	264	Resp:	170977
Ion Ratio		Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.4	17.5	26.3

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 18.867 ng m

RT: 15.06 min Scan# 2205

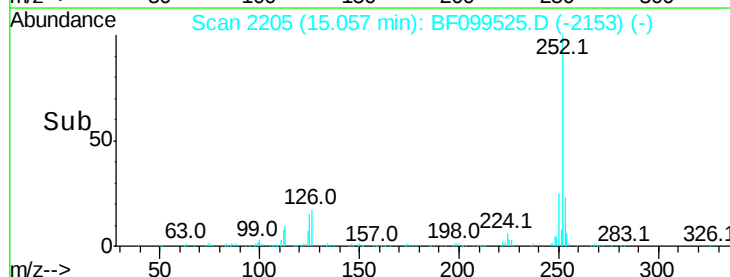
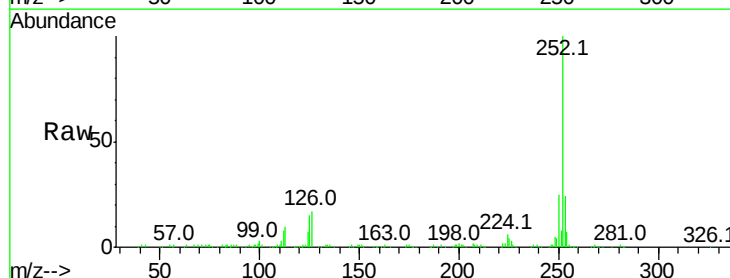
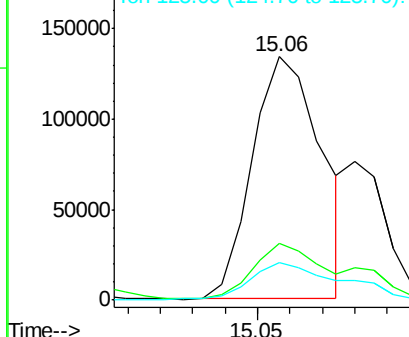
Delta R.T. 0.01 min

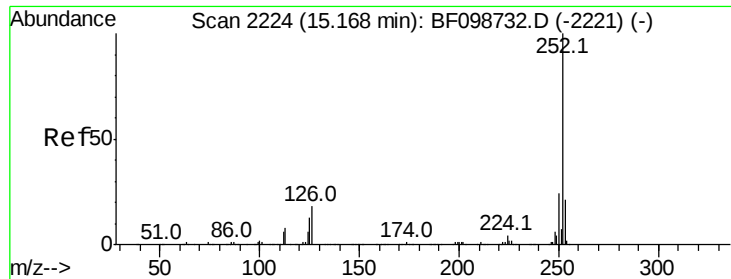
Lab File: BF099525.D

Acq: 15 Oct 2017 20:40

Tgt Ion:	252	Resp:	198336
Ion Ratio		Lower	Upper
252	100		
253	23.6	17.0	25.6
125	15.4	9.0	13.6#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





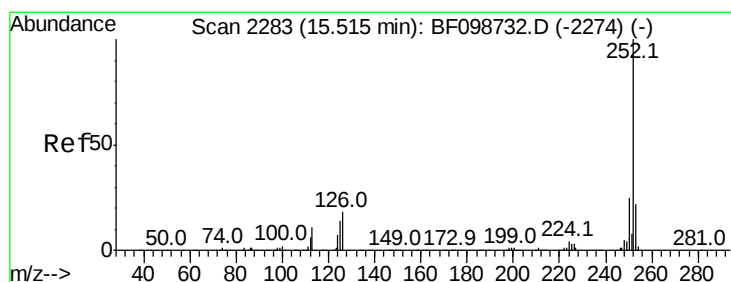
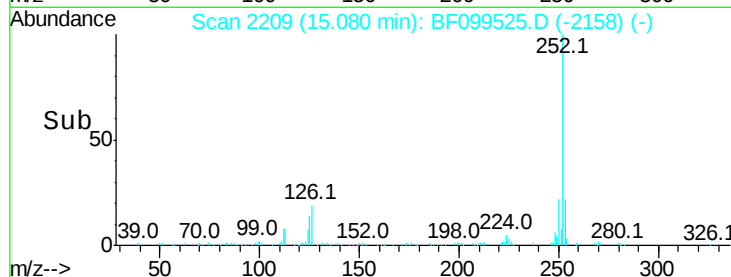
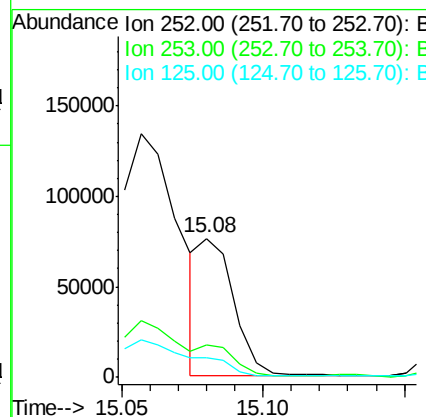
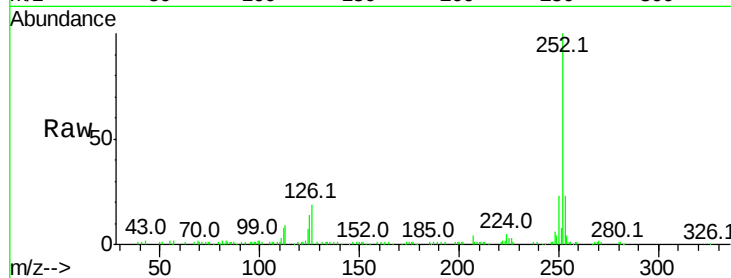
#88
Benzo(k)fluoranthene
Concen: 6.224 ng m
RT: 15.08 min Scan# 2209
Delta R.T. 0.00 min
Lab File: BF099525.D
Acq: 15 Oct 2017 20:40

Instrument :
BNA_F
ClientSampleId :
WPSB-7A-2-BGS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	14.5	10.2	15.2

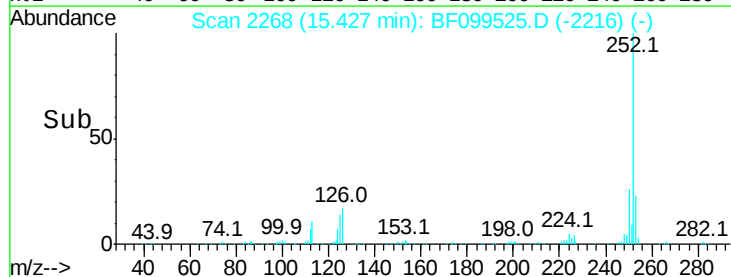
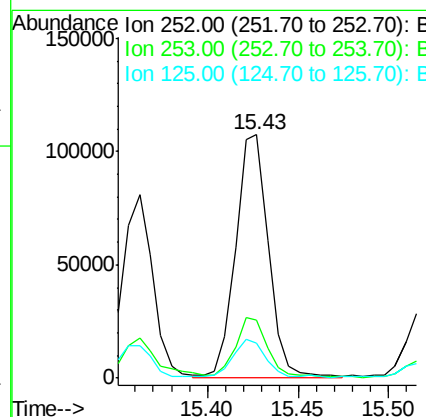
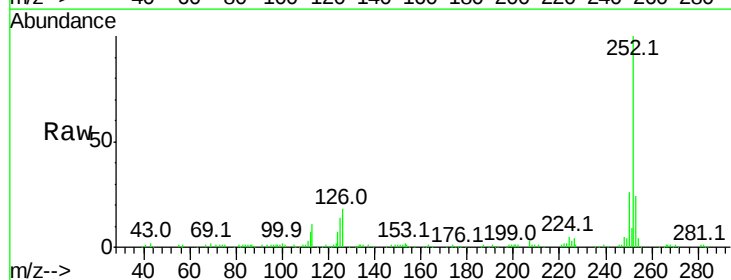
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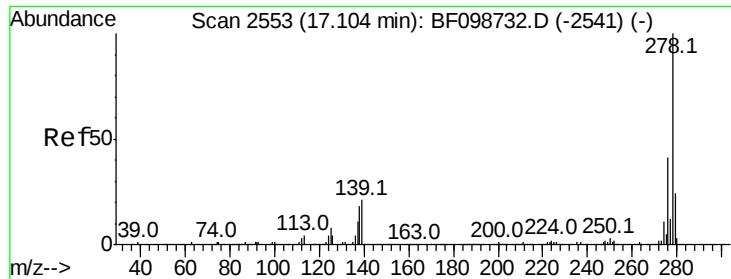
Sohil
10/16/2017 7:45:41 PM



#89
Benzo(a)pyrene
Concen: 13.934 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF099525.D
Acq: 15 Oct 2017 20:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	14.1	9.8	14.6





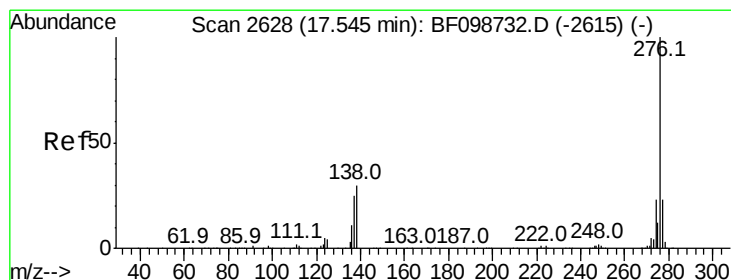
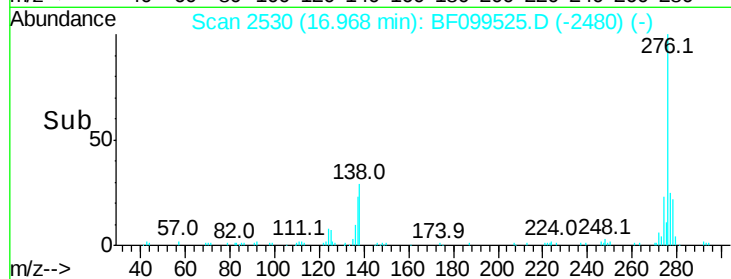
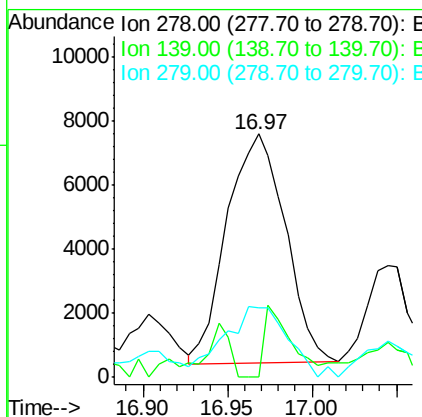
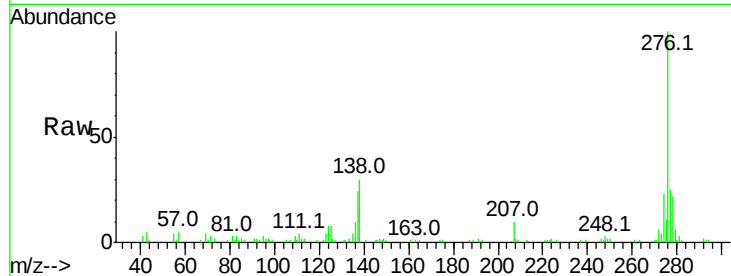
#90
Dibenzo(a,h)anthracene
Concen: 2.222 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.01 min
Lab File: BF099525.D
Acq: 15 Oct 2017 20:40

Instrument :
BNA_F
ClientSampleId :
WPSB-7A-2-BGS

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	28.5	19.0	28.4#

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#91
Benzo(g,h,i)perylene
Concen: 8.077 ng
RT: 17.42 min Scan# 2607
Delta R.T. 0.01 min
Lab File: BF099525.D
Acq: 15 Oct 2017 20:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	17.9	26.9
138	29.7	21.8	32.8

