

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100317\
 Data File : BF099062.D
 Acq On : 4 Oct 2017 6:28
 Operator : SJ/JU
 Sample : I5531-07DL 10X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-63-2.5-5DL

Manual Integrations
 APPROVED

Sohil
 10/6/2017 5:38:12 PM

Quant Time: Oct 04 17:15:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	112393	20.00	ng	-0.05
21) Naphthalene-d8	8.16	136	369134	20.00	ng	-0.05
38) Acenaphthene-d10	9.92	164	120875	20.00	ng	-0.05
63) Phenanthrene-d10	11.40	188	198051	20.00	ng	-0.04
75) Chrysene-d12	14.04	240	252252	20.00	ng	-0.05
86) Perylene-d12	15.52	264	249936	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	80555	11.41	ng	-0.06
7) Phenol-d6	6.49	99	91572	10.51	ng	-0.06
23) Nitrobenzene-d5	7.43	82	58237	10.12	ng	-0.06
41) 2,4,6-Tribromophenol	10.70	330	7766	7.85	ng	-0.05
44) 2-Fluorobiphenyl	9.23	172	68869	9.51	ng	-0.05
78) Terphenyl-d14	12.98	244	60838	5.48	ng	-0.05
Target Compounds						
37) 2-Methylnaphthalene	8.87	142	275090	24.408	ng	99
70) Phenanthrene	11.43	178	262460	24.758	ng	97
71) Anthracene	11.48	178	40019m	3.689	ng	
74) Fluoranthene	12.62	202	104161	9.703	ng	98
77) Pyrene	12.85	202	122975	6.393	ng	97
80) Benzo(a)anthracene	14.03	228	39513	2.587	ng	# 94
82) Chrysene	14.06	228	38690	2.661	ng	# 96
87) Benzo(b)fluoranthene	15.08	252	43544m	2.834	ng	
89) Benzo(a)pyrene	15.44	252	32956	2.336	ng	# 87

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

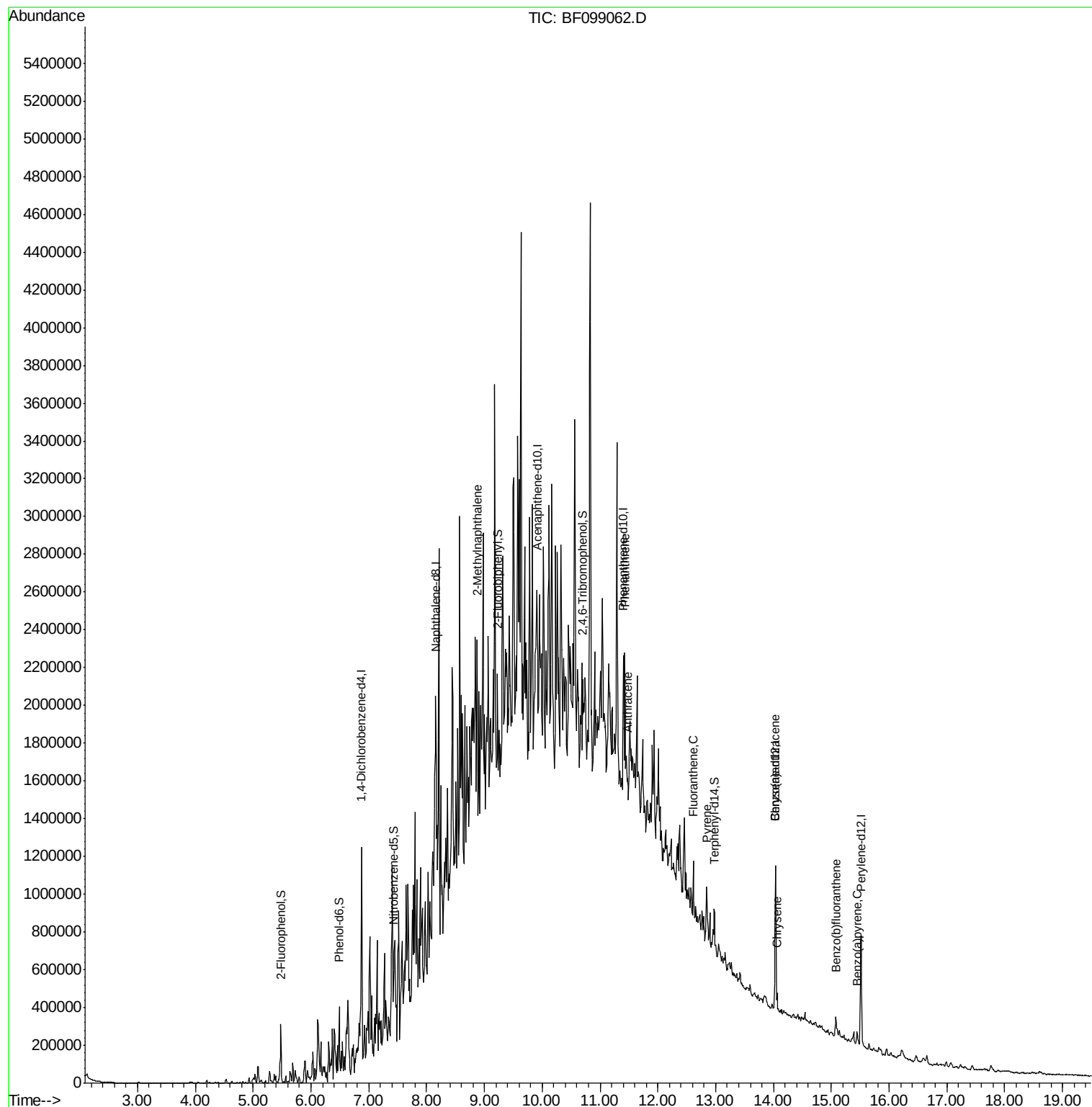
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100317\
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ALS Vial : 26 Sample Multiplier: 1

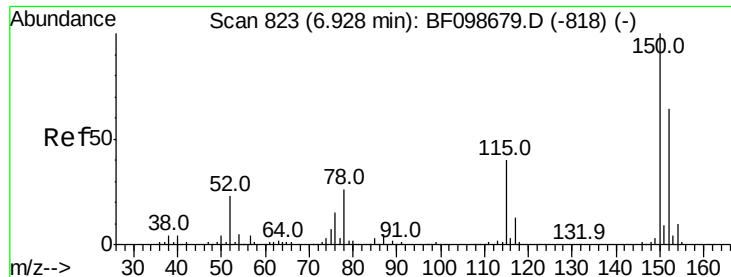
Instrument :
BNA_F
ClientSampleId :
G-63-2.5-5DL

Manual Integrations
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.87 min Scan# 814

Delta R.T. -0.05 min

Lab File: BF099062.D

Acq: 4 Oct 2017 6:28

Instrument :

BNA_F

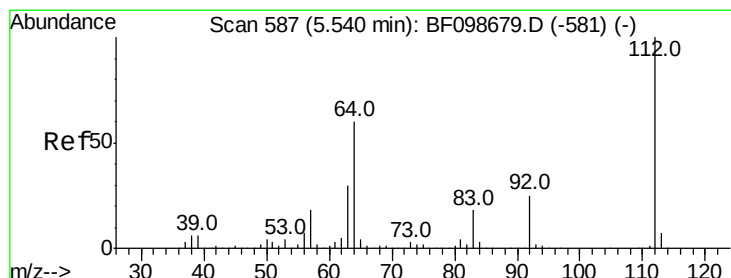
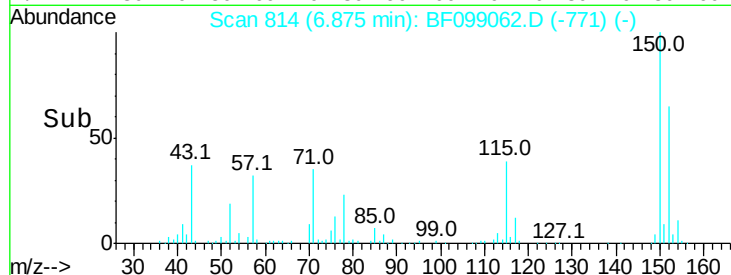
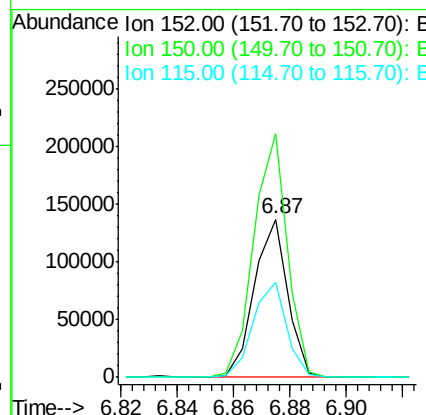
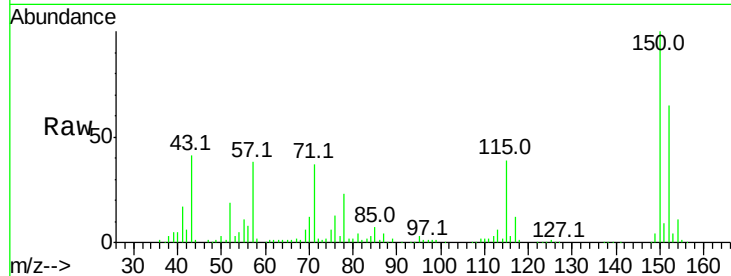
ClientSampled :

G-63-2.5-5DL

Tot Ion:	152	Resp:	112393
Ion Ratio	Lower	Upper	
152	100		
150	153.7	124.6	186.8
115	60.1	50.1	75.1

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#5

2-Fluorophenol

Concen: 11.410 ng

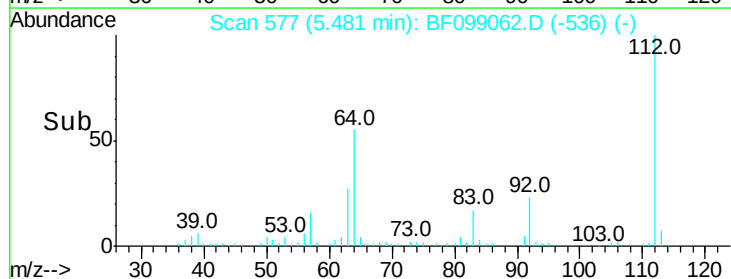
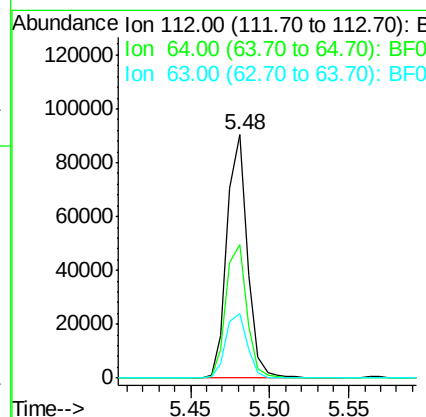
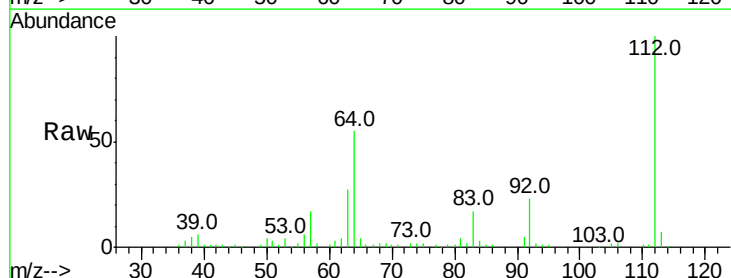
RT: 5.48 min Scan# 577

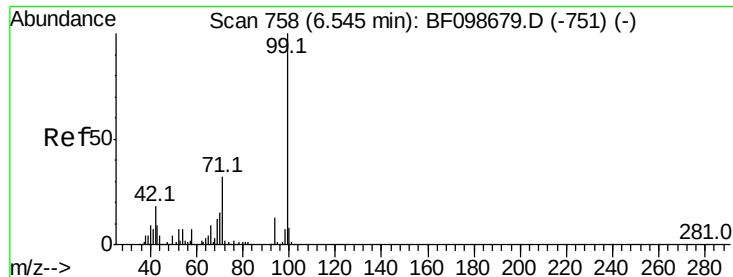
Delta R.T. -0.06 min

Lab File: BF099062.D

Acq: 4 Oct 2017 6:28

Tgt Ion:	112	Resp:	80555
Ion Ratio	Lower	Upper	
112	100		
64	55.0	47.9	71.9
63	26.5	23.7	35.5





#7

Phenol-d6

Concen: 10.514 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.06 min

Lab File: BF099062.D

Acq: 4 Oct 2017 6:28

Instrument :

BNA_F

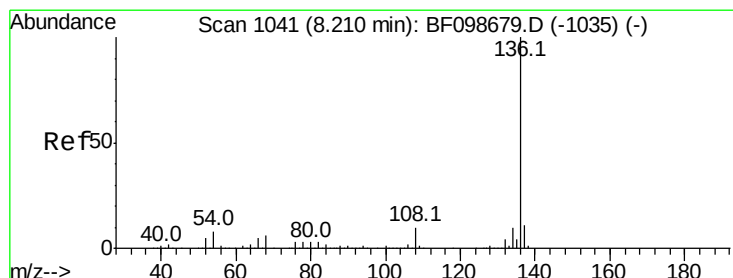
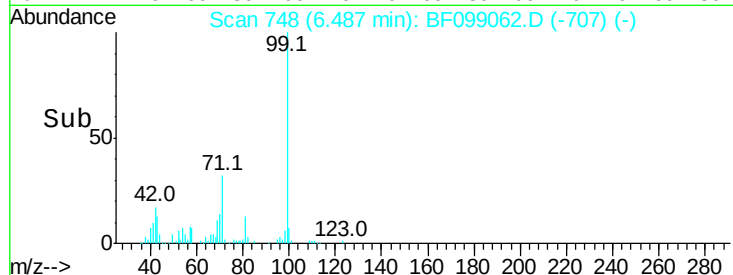
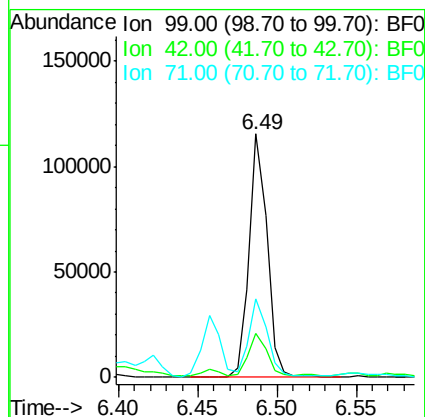
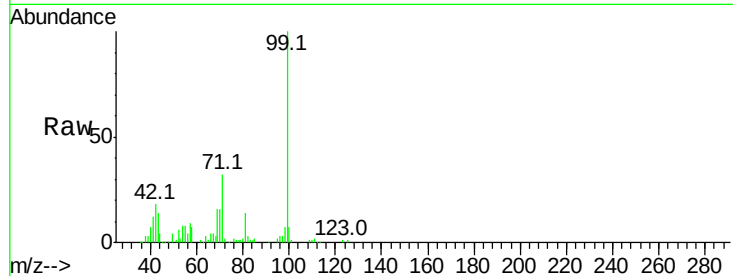
ClientSampleId :

G-63-2.5-5DL

Tot Ion:	99	Resp:	91572
Ion Ratio	Lower	Upper	
99	100		
42	17.9	14.5	21.7
71	32.1	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

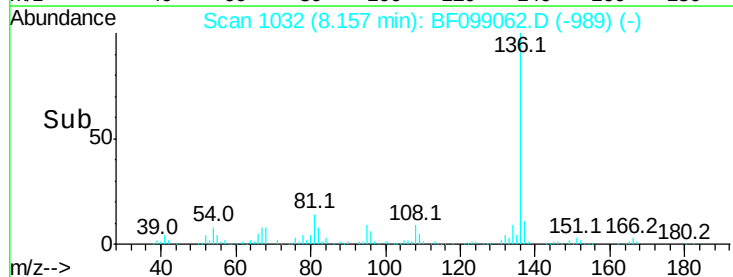
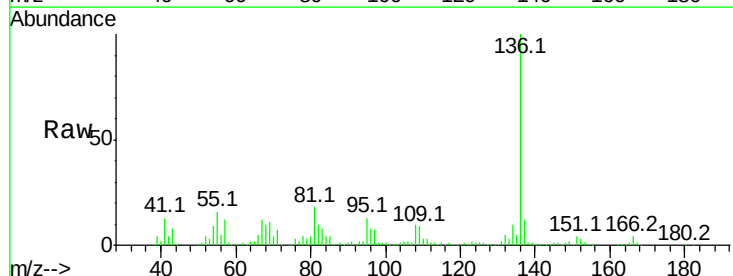
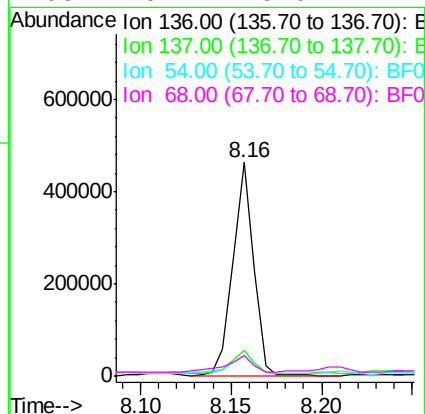
RT: 8.16 min Scan# 1032

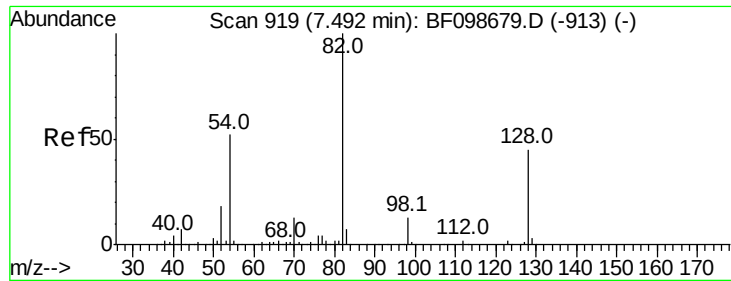
Delta R.T. -0.05 min

Lab File: BF099062.D

Acq: 4 Oct 2017 6:28

Tgt Ion:	136	Resp:	369134
Ion Ratio	Lower	Upper	
136	100		
137	11.9	8.9	13.3
54	9.3	6.6	9.8
68	9.7	5.0	7.4#





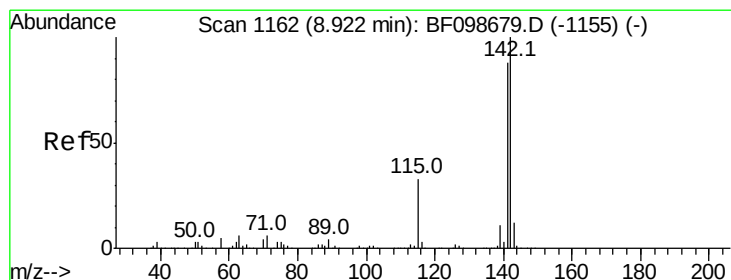
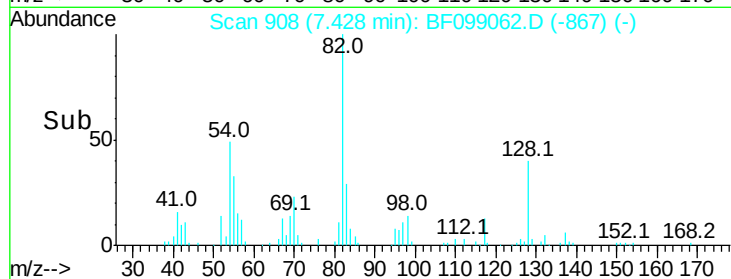
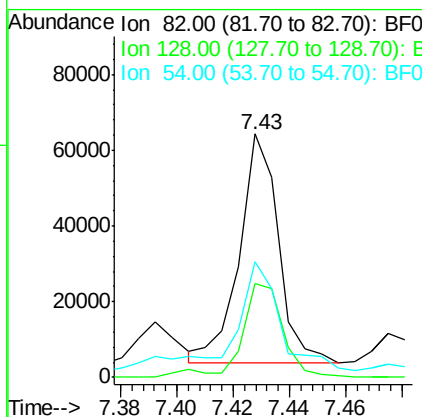
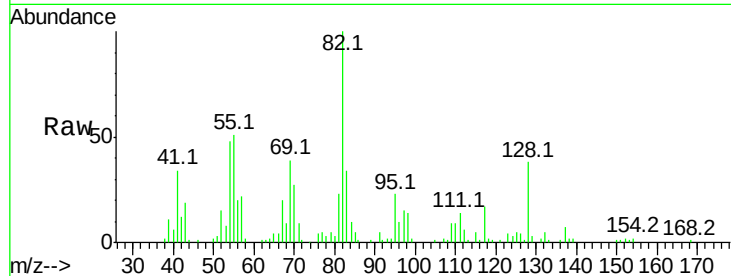
#23
 Nitrobenzene-d5
 Concen: 10.118 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.06 min
 Lab File: BF099062.D
 Acq: 4 Oct 2017 6:28

Instrument :
 BNA_F
 ClientSampleId :
 G-63-2.5-5DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.3	36.1	54.1
54	47.7	41.4	62.2

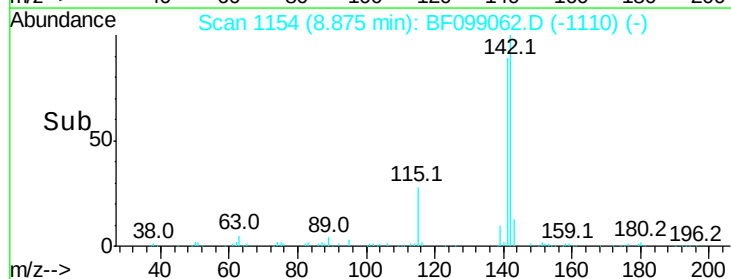
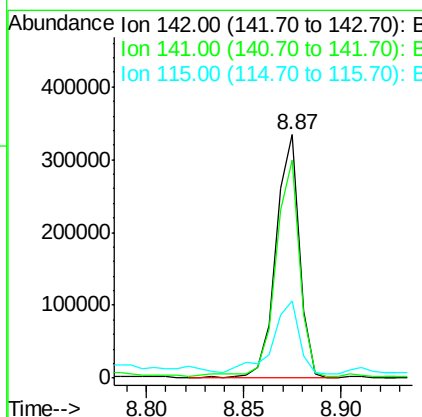
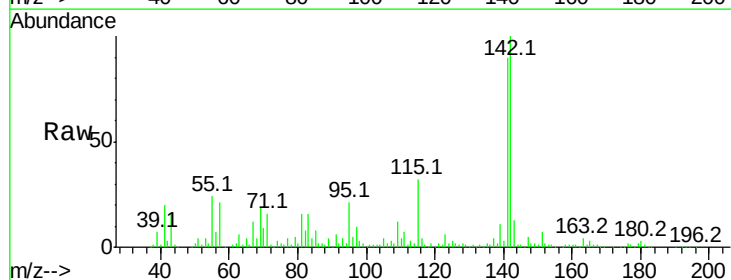
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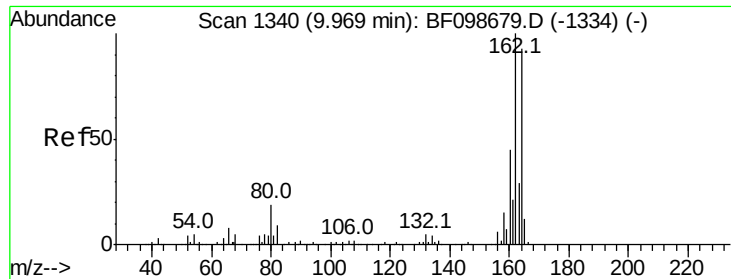
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#37
 2-Methylnaphthalene
 Concen: 24.408 ng
 RT: 8.87 min Scan# 1154
 Delta R.T. -0.04 min
 Lab File: BF099062.D
 Acq: 4 Oct 2017 6:28

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.8	106.2
115	31.6	26.1	39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.05 min

Lab File: BF099062.D

Acq: 4 Oct 2017 6:28

Instrument :

BNA_F

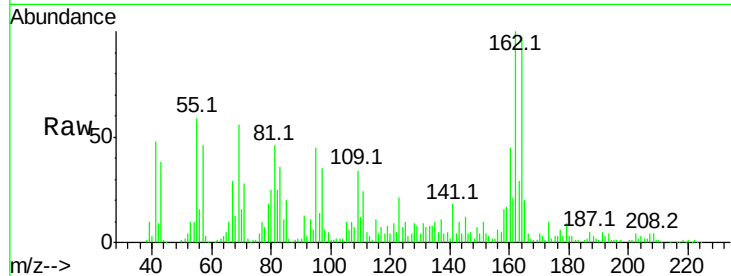
ClientSampleId :

G-63-2.5-5DL

Tot Ion:	164	Resp:	120875
Ion Ratio	Lower	Upper	
164	100		
162	103.0	86.1	129.1
160	46.3	38.3	57.5

Manual Integrations
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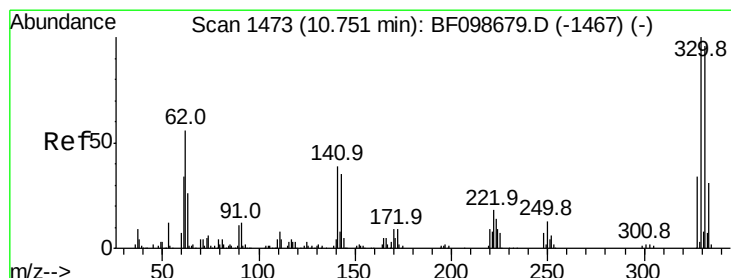
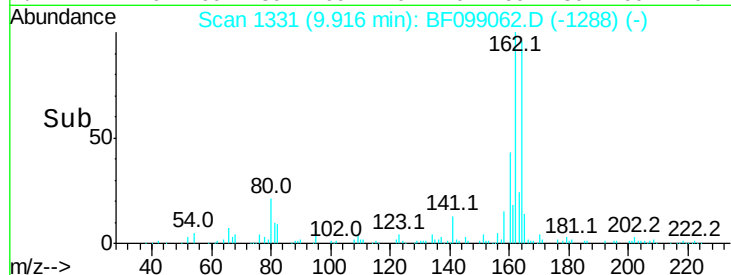
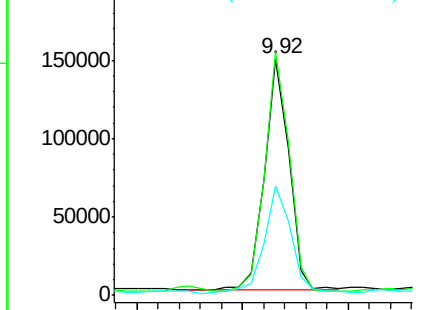


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 7.852 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.05 min

Lab File: BF099062.D

Acq: 4 Oct 2017 6:28

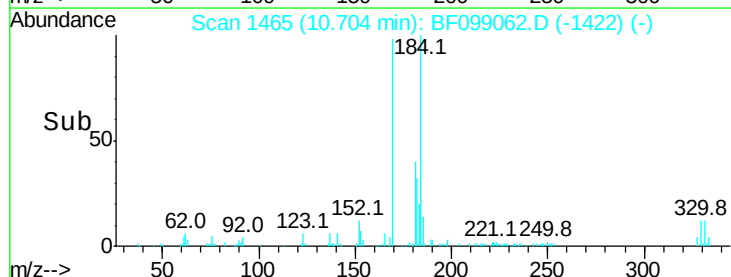
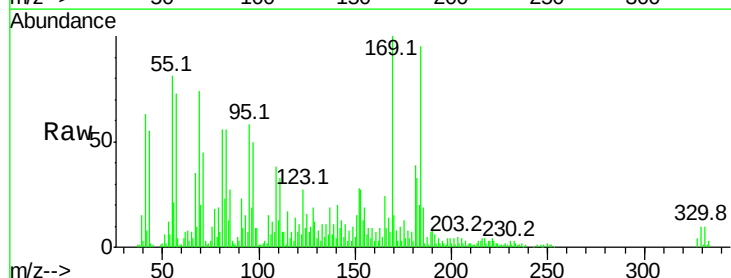
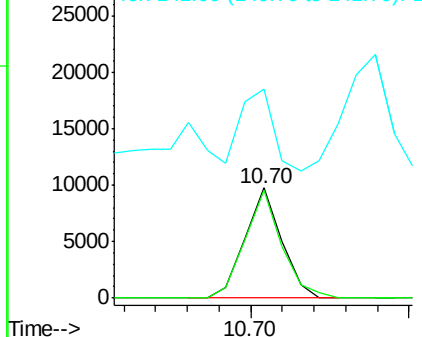
Tgt Ion:	330	Resp:	7766
Ion Ratio	Lower	Upper	
330	100		
332	98.6	77.0	115.6
141	66.2	29.9	44.9#

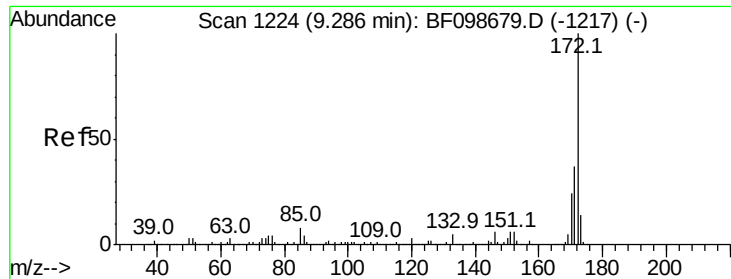
Abundance

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





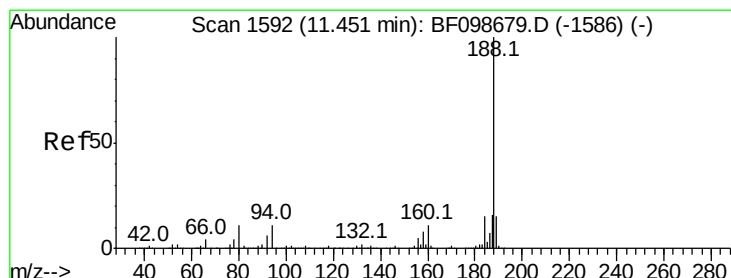
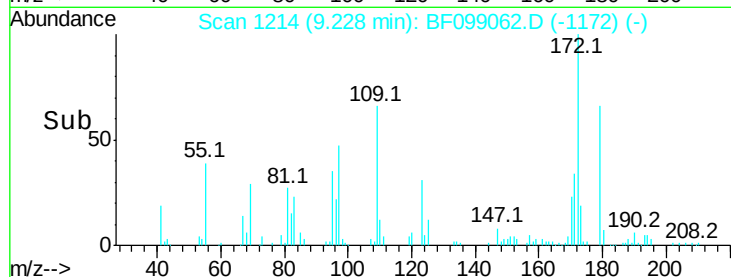
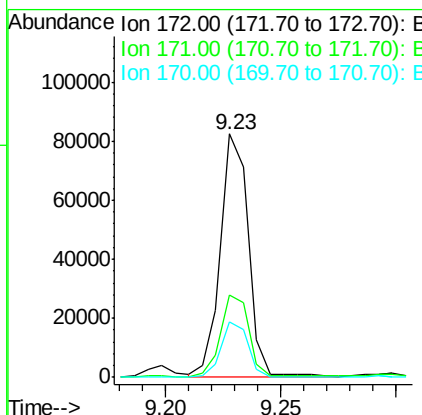
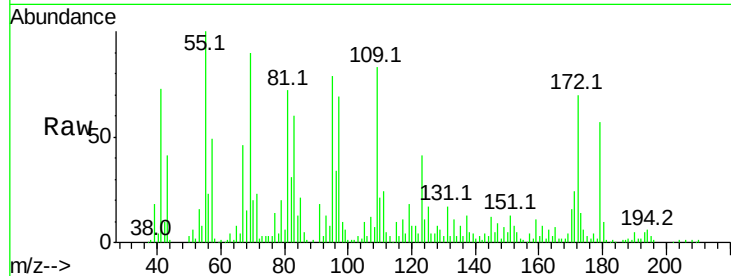
#44
 2-Fluorobiphenyl
 Concen: 9.512 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.05 min
 Lab File: BF099062.D
 Acq: 4 Oct 2017 6:28

Instrument :
 BNA_F
 ClientSampled :
 G-63-2.5-5DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.9	29.7	44.5
170	22.7	19.6	29.4

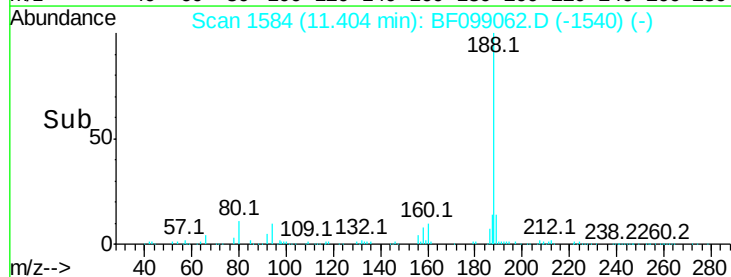
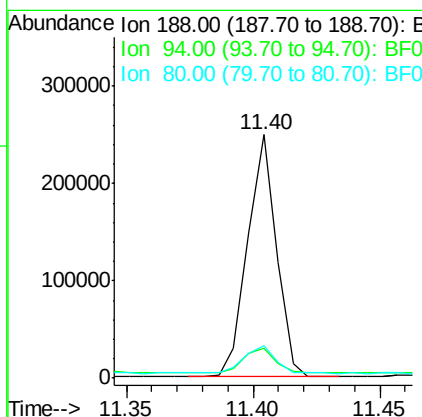
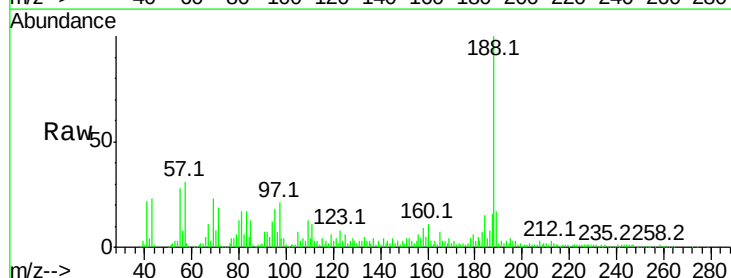
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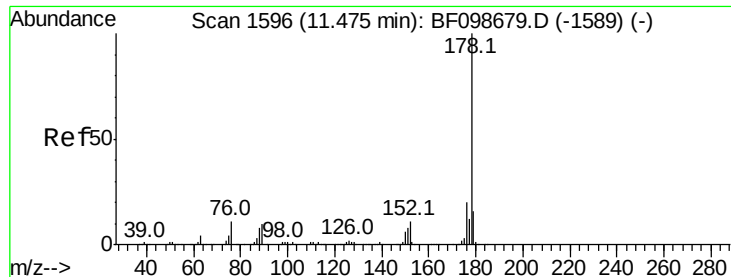
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.04 min
 Lab File: BF099062.D
 Acq: 4 Oct 2017 6:28

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.5	8.5	12.7
80	13.5	9.2	13.8





#70

Phenanthrene

Concen: 24.758 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.05 min

Lab File: BF099062.D

Acq: 4 Oct 2017 6:28

Instrument :

BNA_F

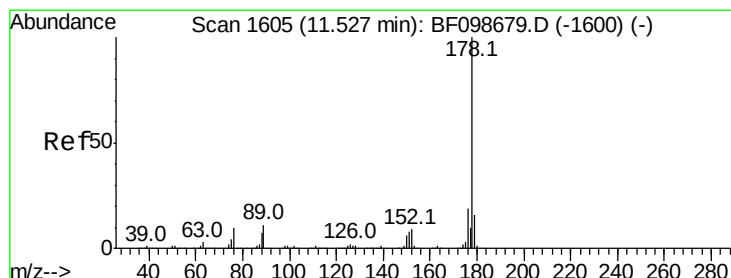
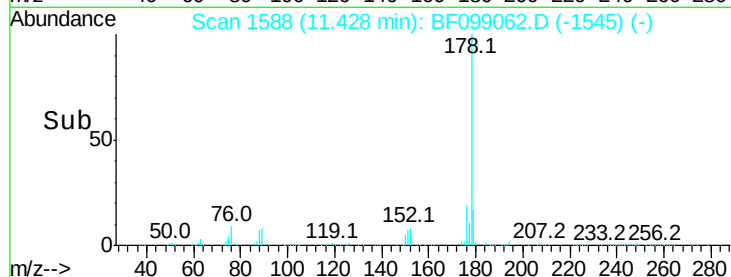
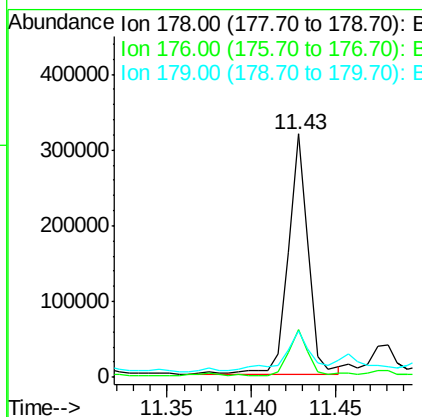
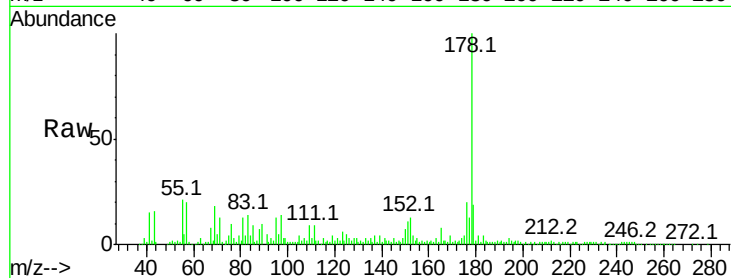
ClientSampleId :

G-63-2.5-5DL

Tot Ion:178	Resp:	262460
Ion Ratio	Lower	Upper
178	100	
176	19.8	15.8 23.8
179	19.2	13.0 19.6

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#71

Anthracene

Concen: 3.689 ng m

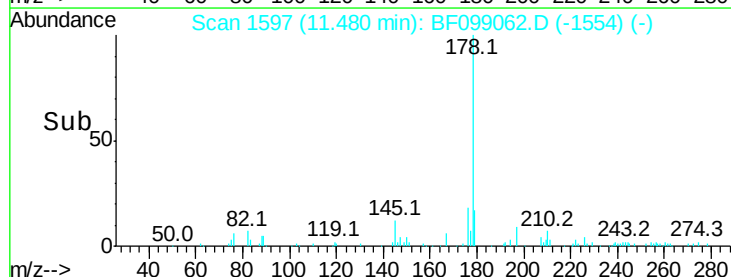
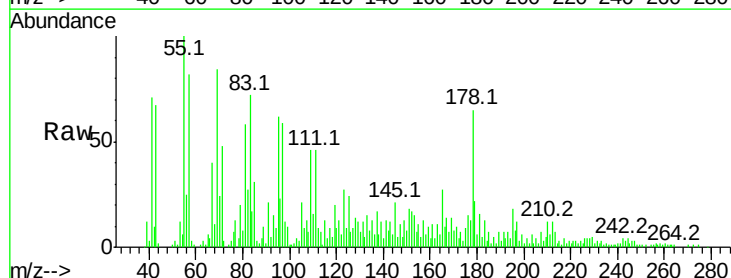
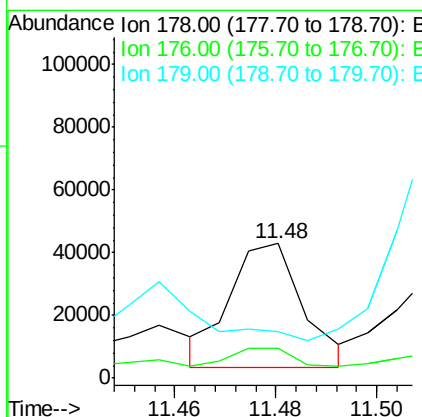
RT: 11.48 min Scan# 1597

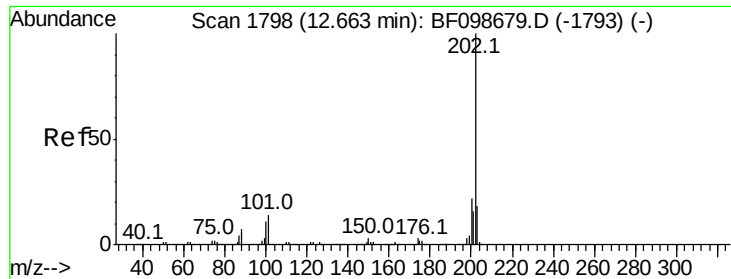
Delta R.T. -0.05 min

Lab File: BF099062.D

Acq: 4 Oct 2017 6:28

Tgt Ion:178	Resp:	40019
Ion Ratio	Lower	Upper
178	100	
176	22.5	15.4 23.2
179	34.3	12.6 19.0#





#74

Fluoranthene

Concen: 9.703 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.05 min

Lab File: BF099062.D

Acq: 4 Oct 2017 6:28

Instrument :

BNA_F

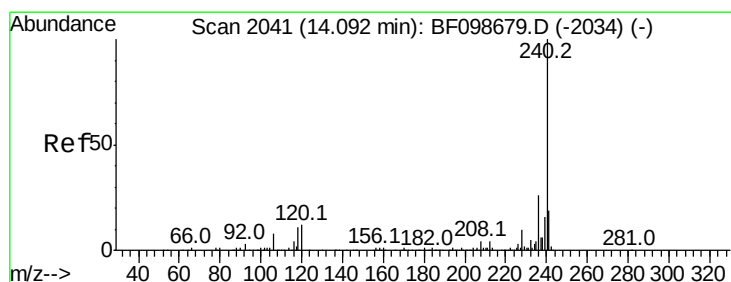
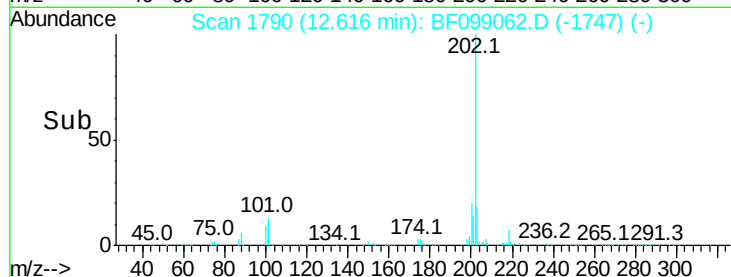
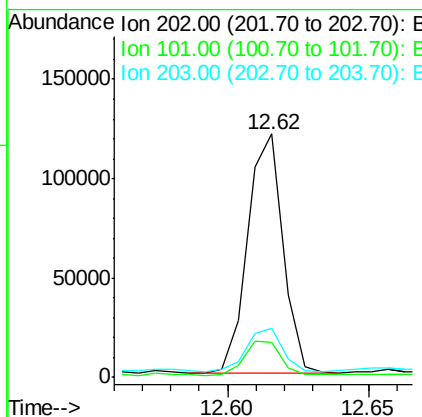
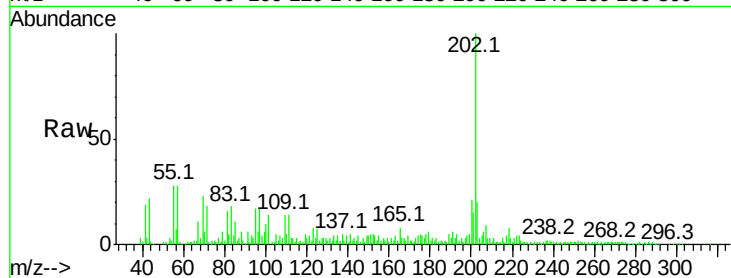
ClientSampleId :

G-63-2.5-5DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.1	0.0	34.1
203	19.9	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

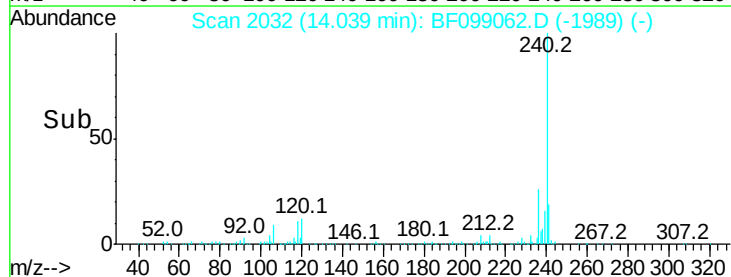
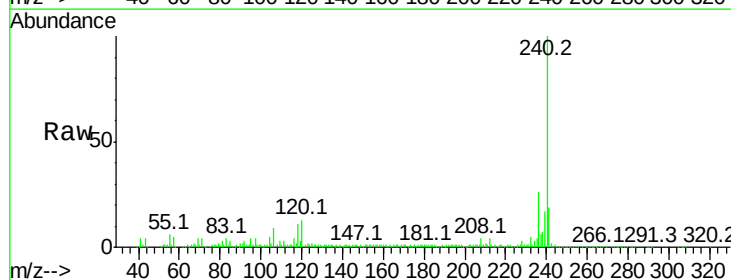
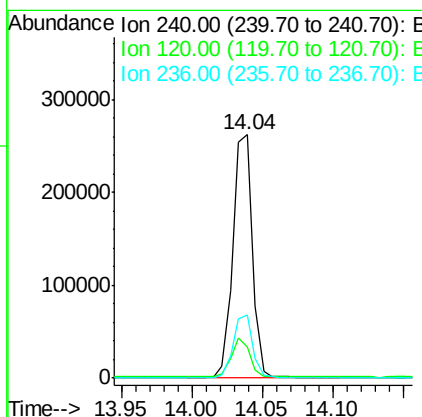
RT: 14.04 min Scan# 2032

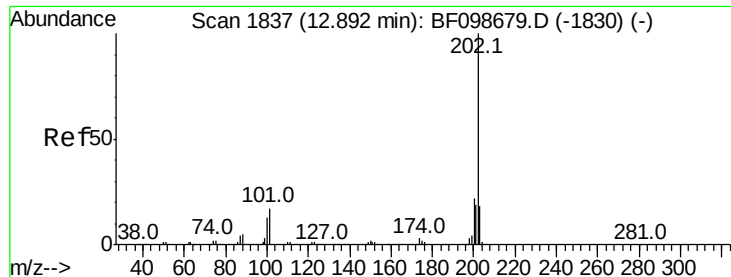
Delta R.T. -0.05 min

Lab File: BF099062.D

Acq: 4 Oct 2017 6:28

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.9	9.5	14.3
236	26.0	20.7	31.1





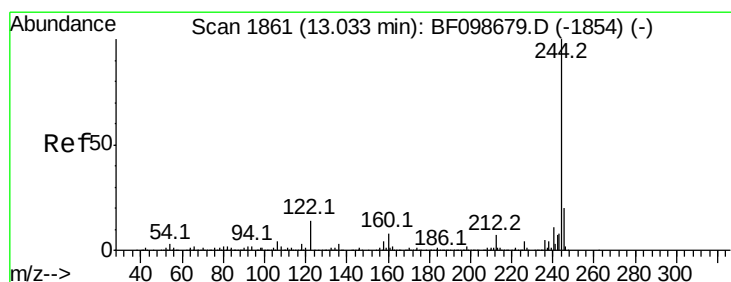
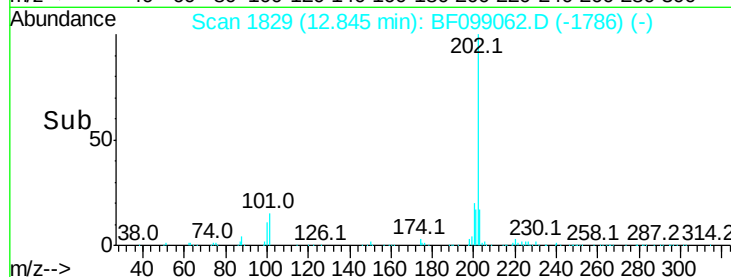
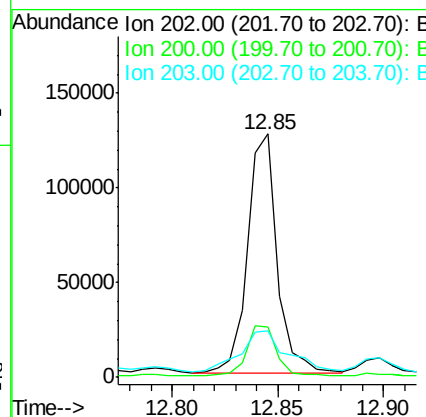
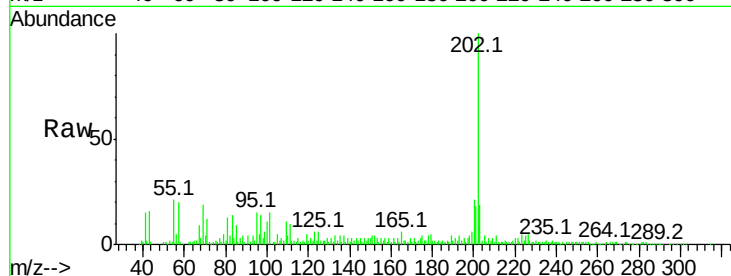
#77
Pvrene
Concen: 6.393 ng
RT: 12.85 min Scan# 1829
Delta R.T. -0.05 min
Lab File: BF099062.D
Acq: 4 Oct 2017 6:28

Instrument :
BNA_F
ClientSampleId :
G-63-2.5-5DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.6	17.4	26.2
203	19.2	14.3	21.5

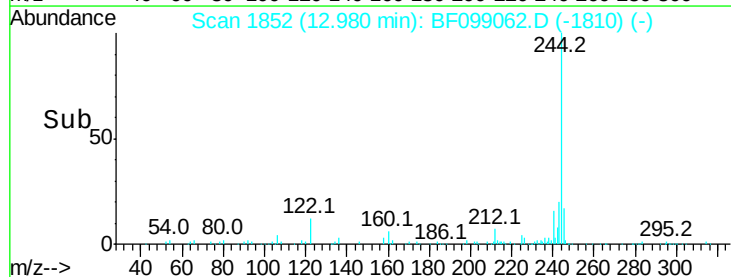
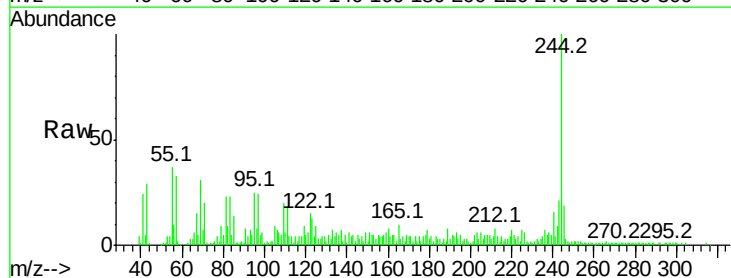
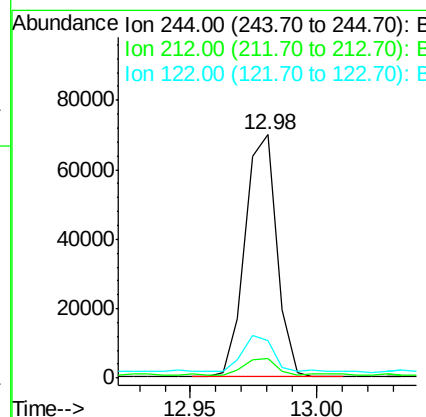
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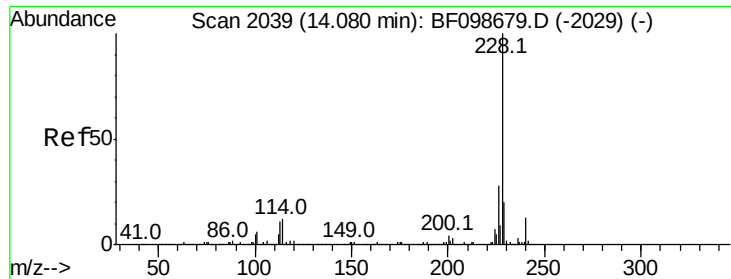
Sohil
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#78
Terphenyl-d14
Concen: 5.485 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.05 min
Lab File: BF099062.D
Acq: 4 Oct 2017 6:28

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.8	5.4	8.0
122	15.3	11.0	16.4





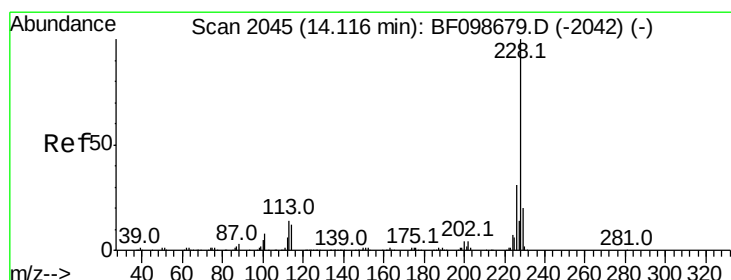
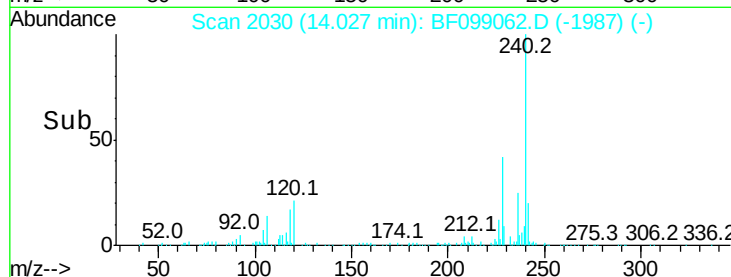
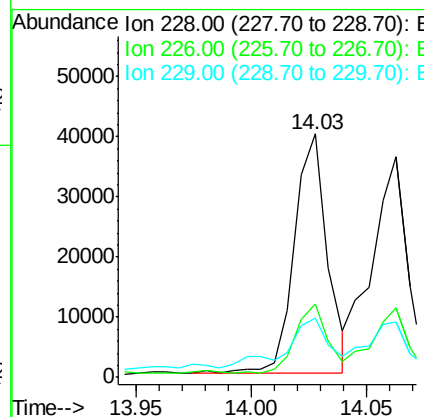
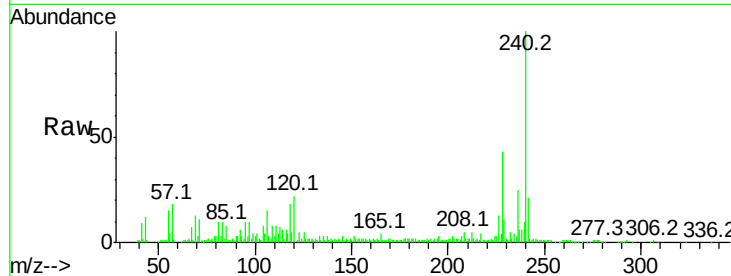
#80
Benzo(a)anthracene
Concen: 2.587 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.05 min
Lab File: BF099062.D
Acq: 4 Oct 2017 6:28

Instrument :
BNA_F
ClientSampleId :
G-63-2.5-5DL

Tot Ion	Ratio	Resp	Lower	Upper
228	100	39513		
226	30.1	22.6	33.8	
229	24.5	15.8	23.6	

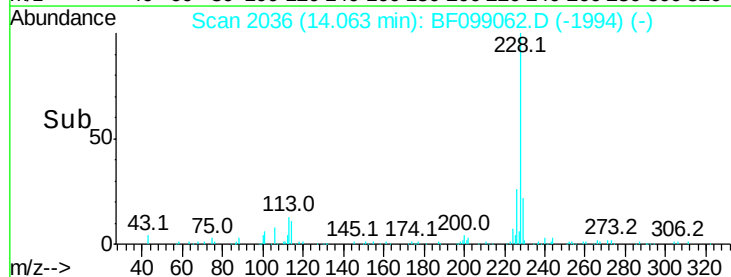
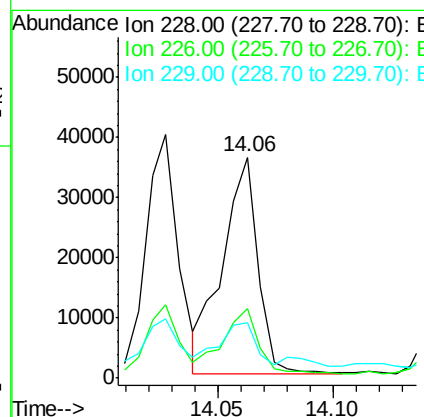
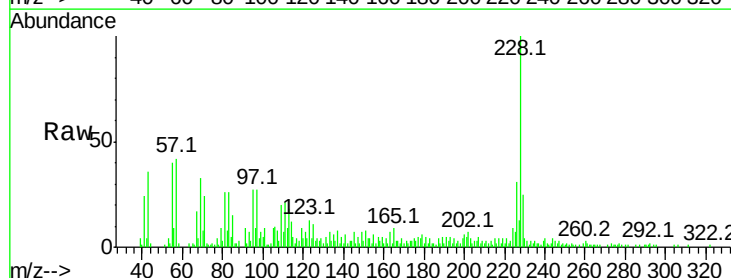
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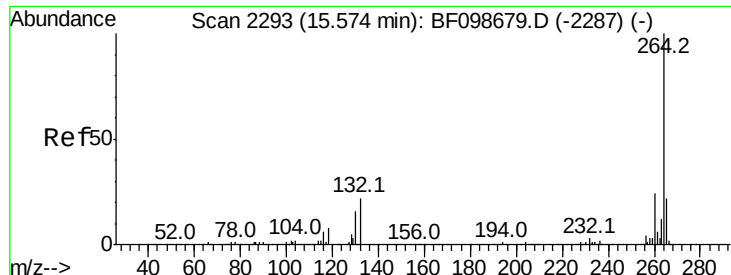
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#82
Chrysene
Concen: 2.661 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.05 min
Lab File: BF099062.D
Acq: 4 Oct 2017 6:28

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	38690		
226	31.2	25.0	37.6	
229	25.0	16.2	24.4	





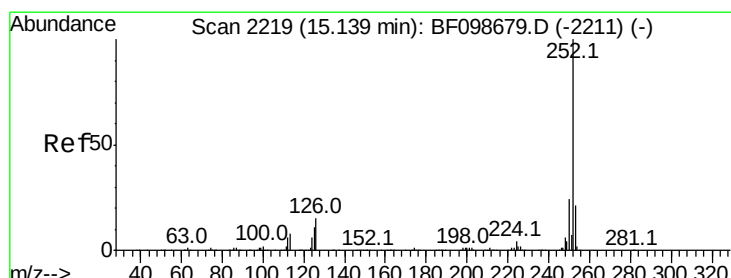
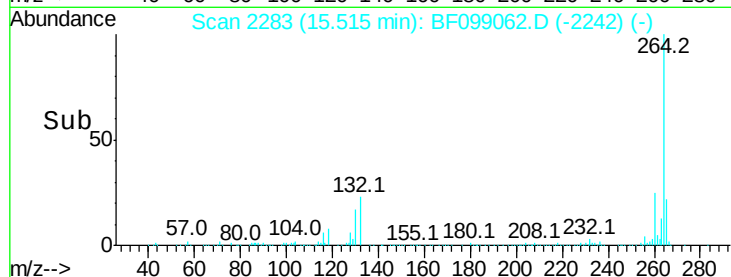
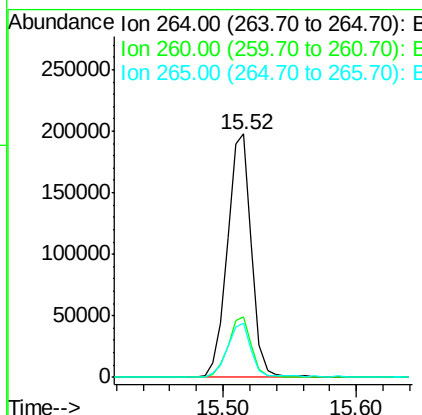
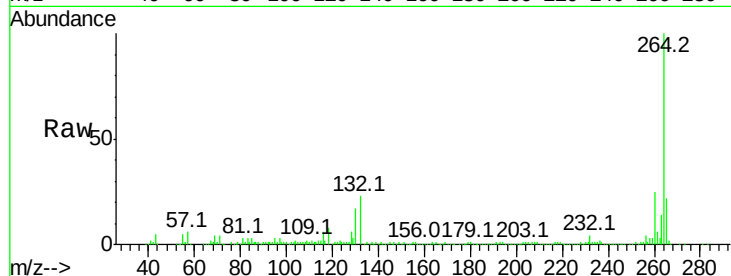
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.06 min
Lab File: BF099062.D
Acq: 4 Oct 2017 6:28

Instrument :
BNA_F
ClientSampled :
G-63-2.5-5DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	22.4	17.5	26.3

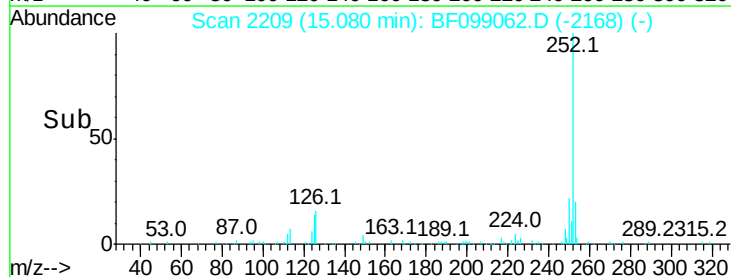
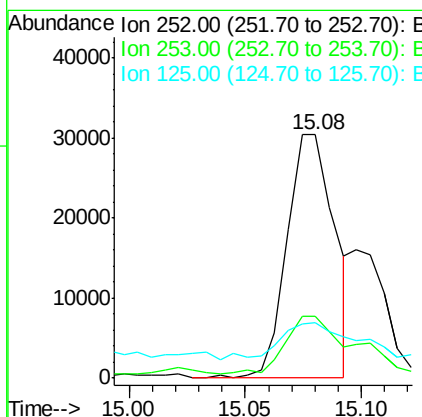
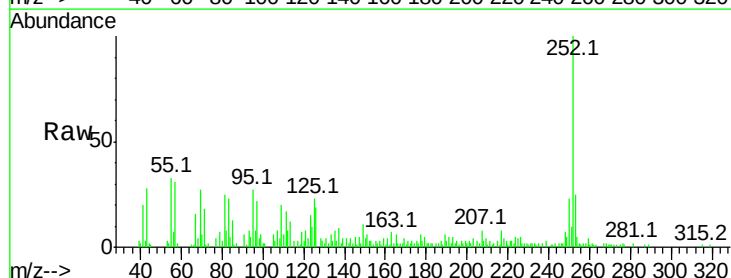
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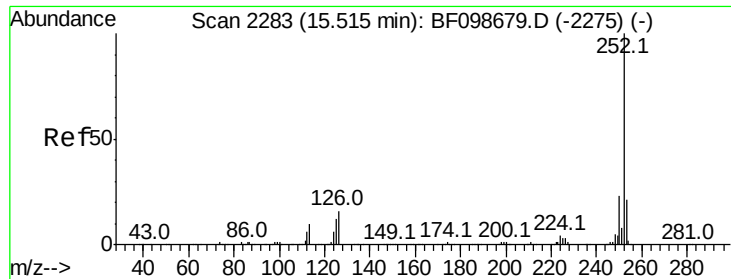
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#87
Benzo(b)fluoranthene
Concen: 2.834 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.06 min
Lab File: BF099062.D
Acq: 4 Oct 2017 6:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.0	25.6
125	23.0	9.0	13.6





#89
 Benzo(a)pyrene
 Concen: 2.336 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. -0.07 min
 Lab File: BF099062.D
 Acq: 4 Oct 2017 6:28

Instrument :
 BNA_F
 ClientSampleId :
 G-63-2.5-5DL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.4	17.1	25.7
125	22.8	9.8	14.6

Manual Integrations
 APPROVED

Sohil
 10/6/2017 5:38:12 PM

