

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082416\
 Data File : BF089901.D
 Acq On : 25 Aug 2016 4:39
 Operator : UM/SJ
 Sample : H4576-10
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-21A-GW

Manual Integrations
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Quant Time: Aug 25 17:53:43 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 19 14:02:57 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	451022	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	1359924	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	591910	20.00	ng	0.01
63) Phenanthrene-d10	11.20	188	1161070	20.00	ng	0.01
75) Chrysene-d12	13.84	240	938988	20.00	ng	-0.03
86) Perylene-d12	15.31	264	893130	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	1713940	65.17	ng	-0.01
7) Phenol-d6	6.31	99	1402303	43.44	ng	-0.01
23) Nitrobenzene-d5	7.24	82	2383979	108.91	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	723157	128.56	ng	0.01
44) 2-Fluorobiphenyl	9.05	172	3711752	110.21	ng	0.00
78) Terphenyl-d14	12.79	244	3065467	73.86	ng	0.00
Target Compounds						
31) Naphthalene	7.99	128	5127179	80.67	ng	# 95
37) 2-Methylnaphthalene	8.68	142	6720104	163.43	ng	# 94
45) 1,1'-Biphenyl	9.14	154	1157715	25.27	ng	98
49) Dimethylphthalate	9.45	163	482102m	11.57	ng	
51) Acenaphthene	9.75	154	527580	14.65	ng	92
54) Dibenzofuran	9.92	168	360995m	7.98	ng	
57) Fluorene	10.26	166	1085318	30.11	ng	# 88
70) Phenanthrene	11.22	178	2471136	42.14	ng	# 96
72) Carbazole	11.43	167	452981	8.47	ng	# 82
74) Fluoranthene	12.40	202	112378	2.01	ng	64
77) Pyrene	12.63	202	682137	8.92	ng	# 94

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

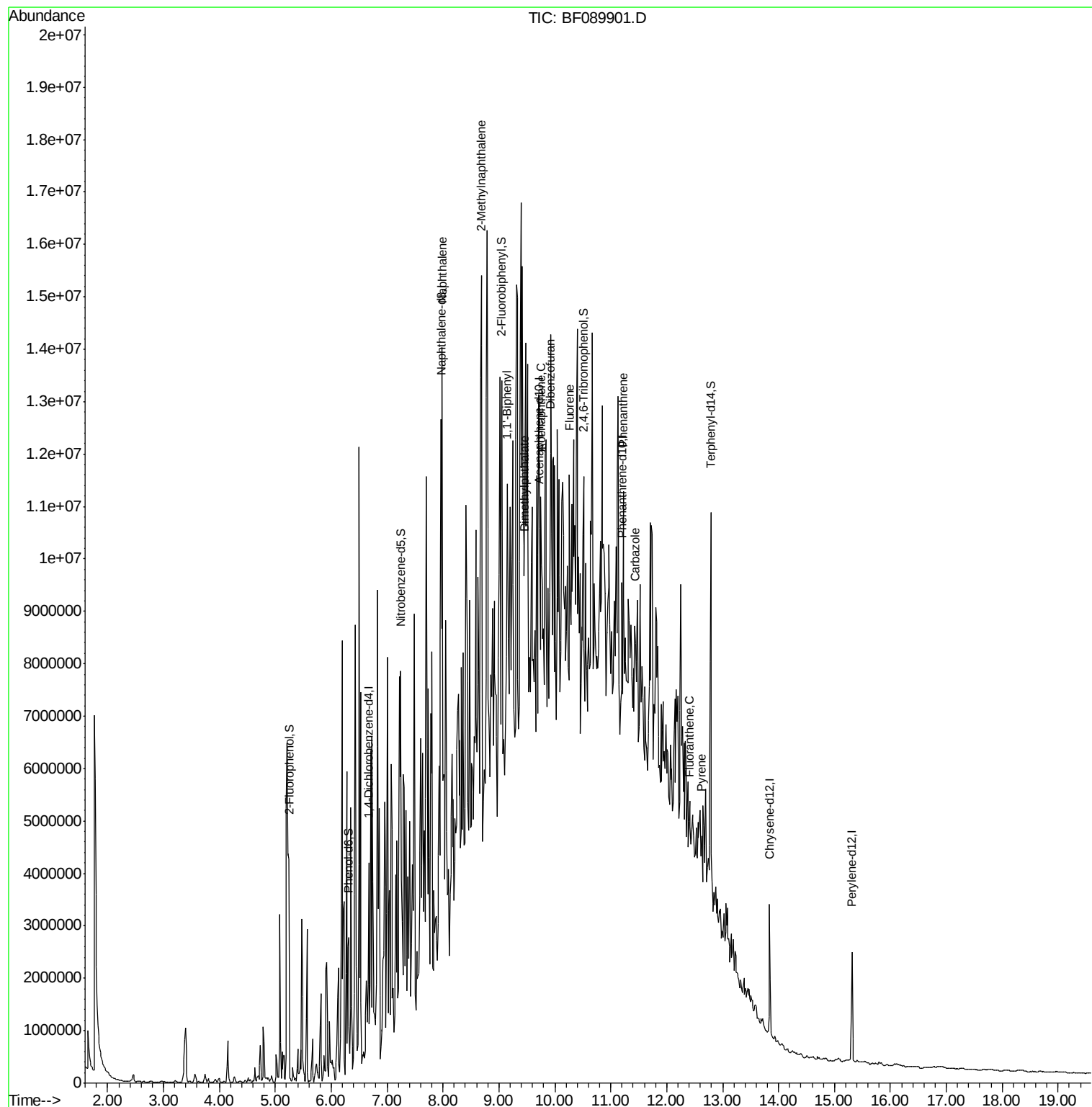
Data Path : Z:\HPCHEM1\BNA F\DATA\BF082416\
Data File : BF089901.D
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Sample : H4576-10
Misc :
ALS Vial : 36 Sample Multiplier: 1

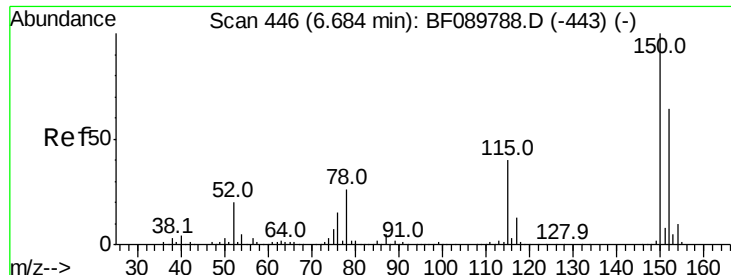
Instrument :
BNA_F
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SB-21A-GW

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 445

Delta R.T. -0.01 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

Instrument :

BNA_F

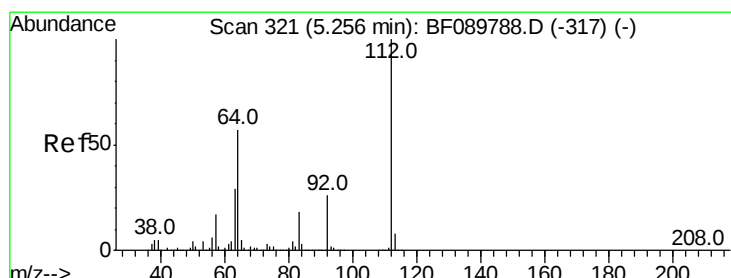
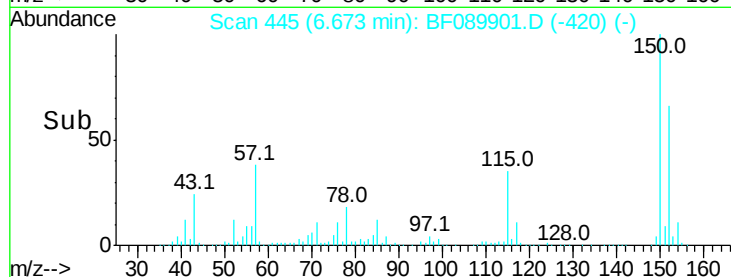
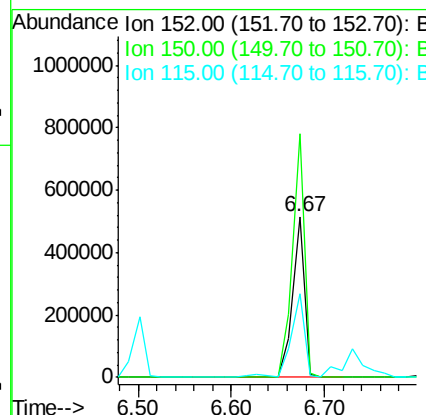
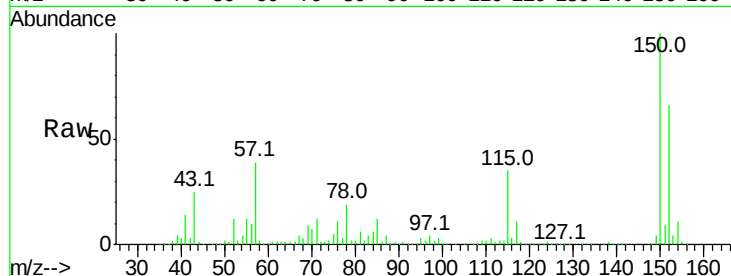
ClientSampleId :

SB-21A-GW

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.8	125.3	187.9
115	52.5	40.9	61.3

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#5

2-Fluorophenol

Concen: 65.17 ng

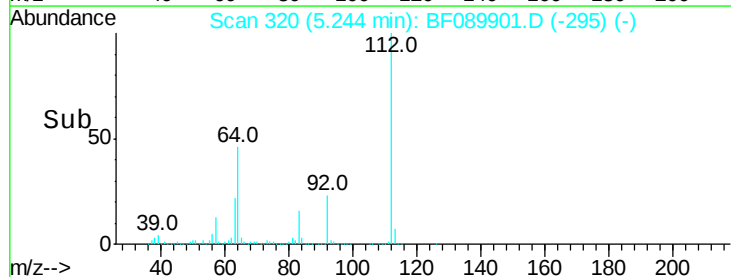
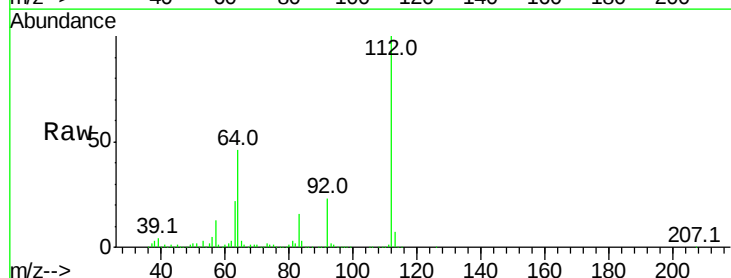
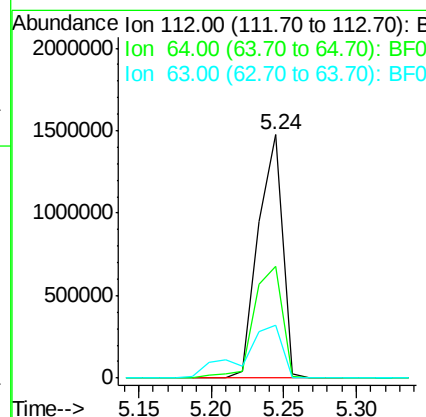
RT: 5.24 min Scan# 320

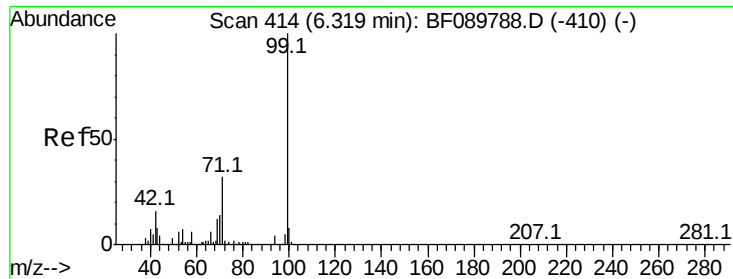
Delta R.T. -0.01 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.9	45.0	67.4
63	21.9	23.1	34.7#





#7

Phenol-d6

Concen: 43.44 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.01 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

Instrument :

BNA_F

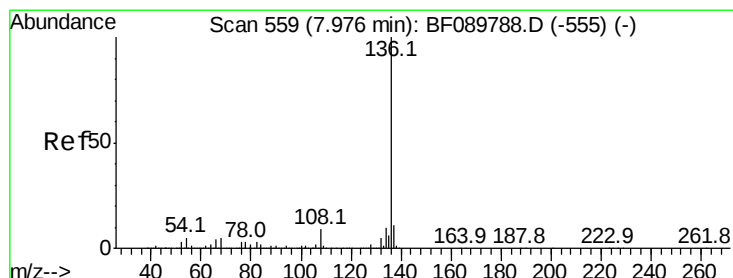
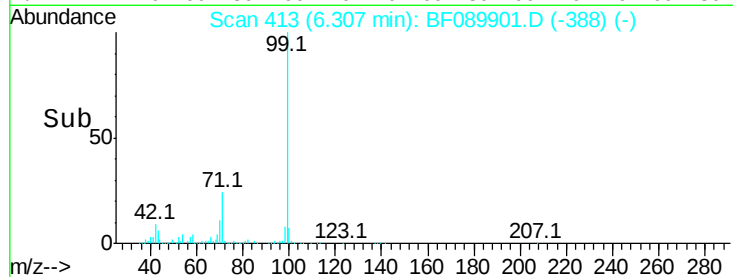
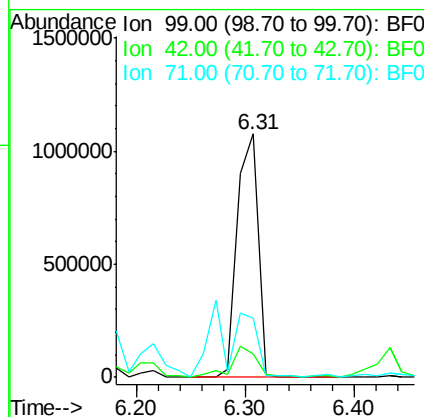
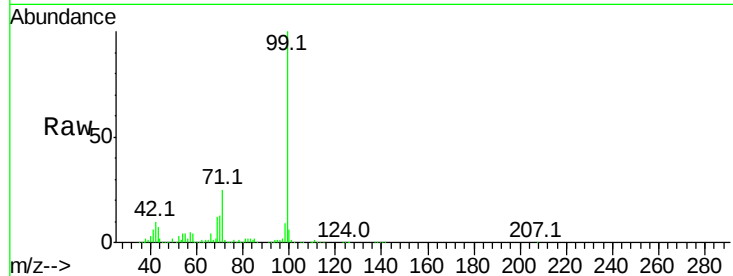
ClientSampleId :

SB-21A-GW

Tot Ion:	99	Resp:	1402303
Ion	Ratio	Lower	Upper
99	100		
42	9.7	12.2	18.4#
71	24.6	23.8	35.8

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#21

Naphthalene-d8

Concen: 20.00 ng

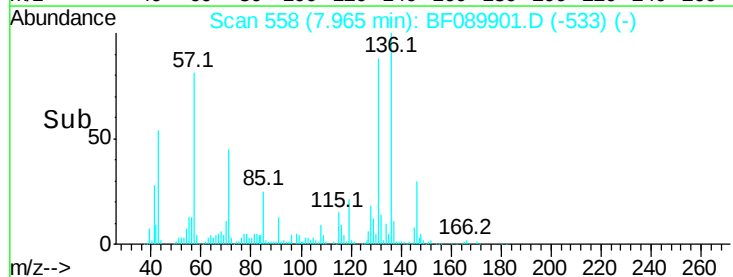
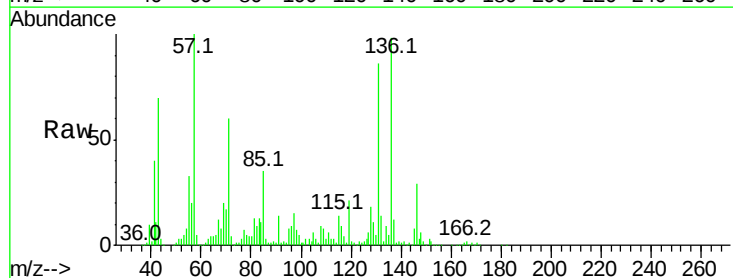
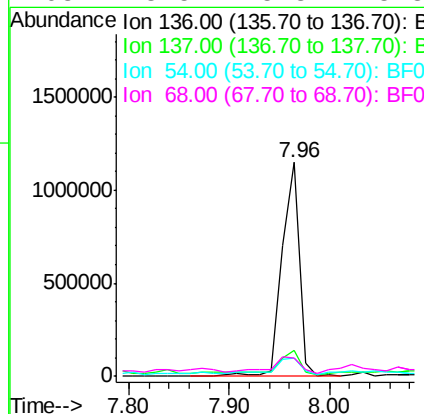
RT: 7.96 min Scan# 558

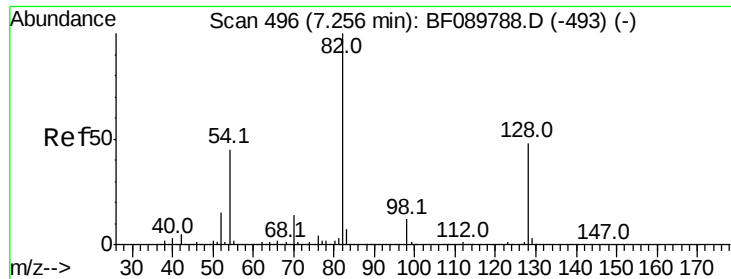
Delta R.T. -0.01 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

Tgt Ion:	136	Resp:	1359924
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.2	13.8
54	8.2	7.2	10.8
68	8.5	5.8	8.8





#23

Nitrobenzene-d5

Concen: 108.91 ng

RT: 7.24 min Scan# 495

Delta R.T. -0.01 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-21A-GW

Tot Ion: 82 Resp: 2383979

Ion Ratio Lower Upper

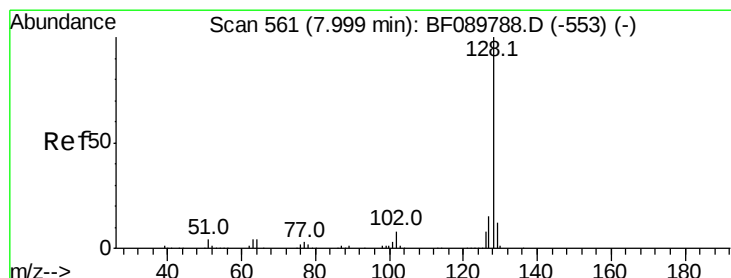
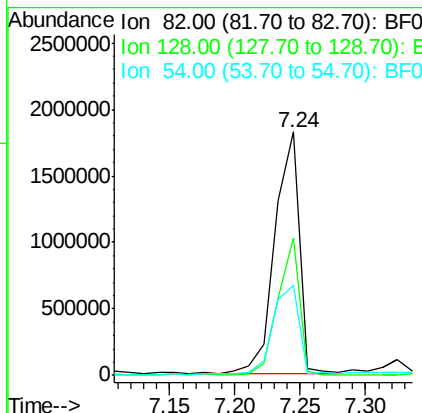
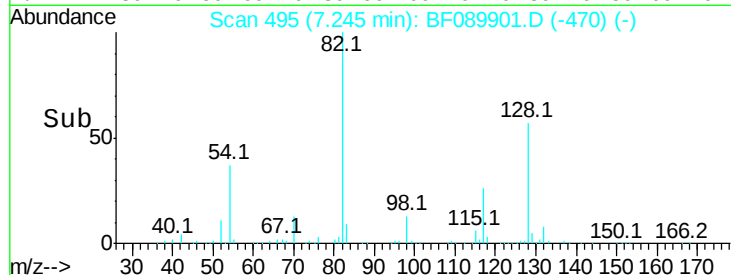
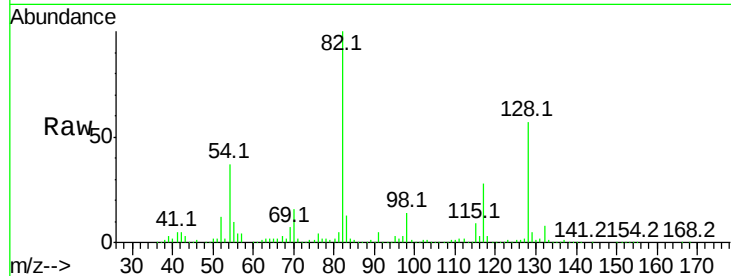
82 100

128 56.5 34.4 51.6#

54 37.1 40.3 60.5#

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#31

Naphthalene

Concen: 80.67 ng

RT: 7.99 min Scan# 560

Delta R.T. -0.01 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

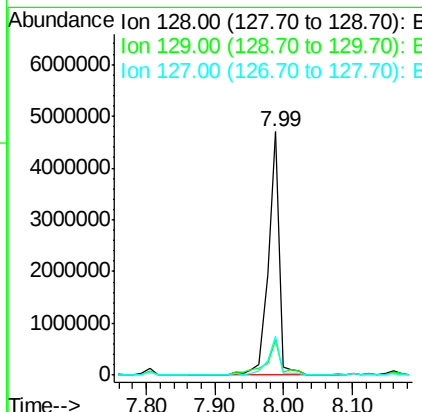
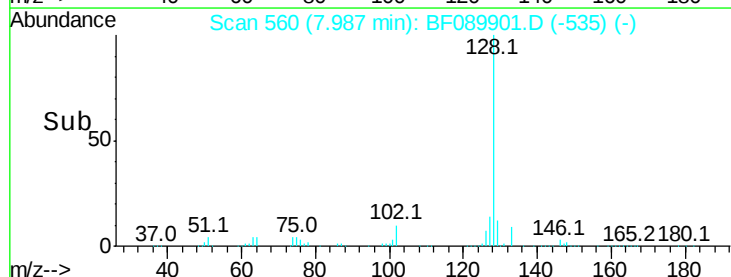
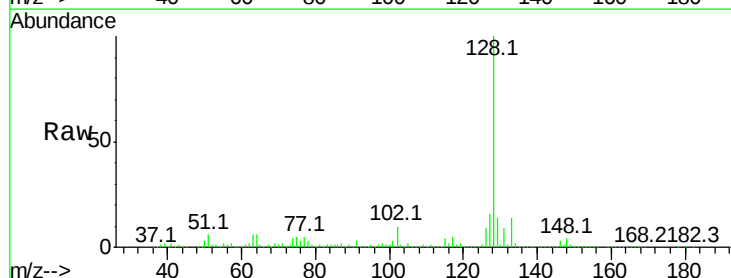
Tgt Ion:128 Resp: 5127179

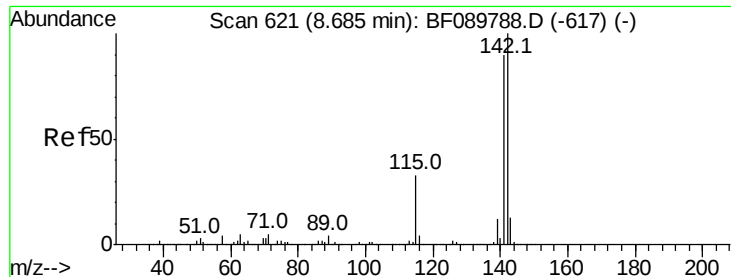
Ion Ratio Lower Upper

128 100

129 14.3 9.5 14.3#

127 16.0 11.3 16.9





#37

2-Methylnaphthalene

Concen: 163.43 ng

RT: 8.68 min Scan# 621

Delta R.T. -0.00 min

Lab File: BF089901.D

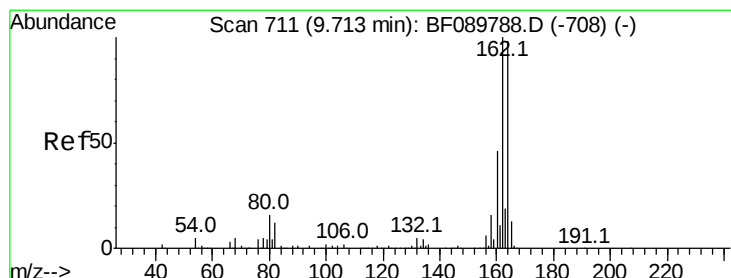
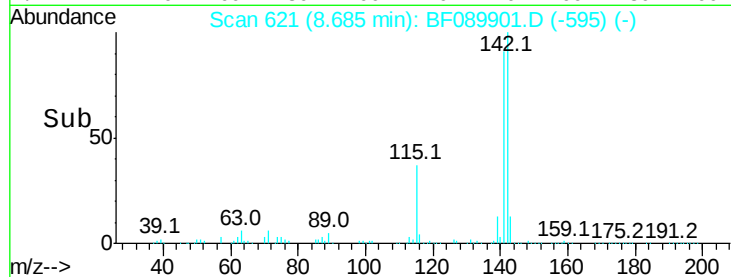
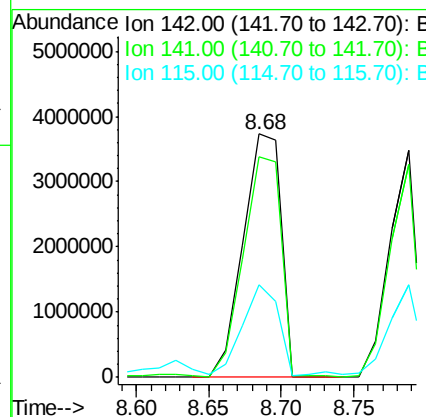
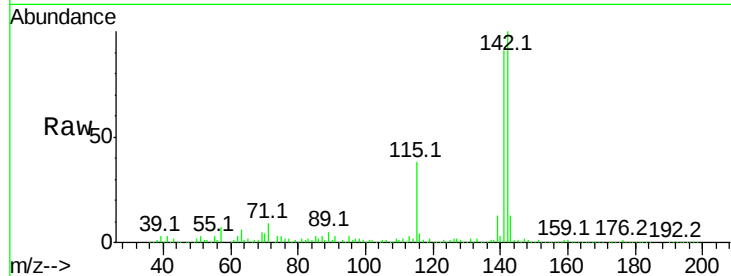
Acq: 25 Aug 2016 4:39

Instrument :
BNA_F
ClientSampleId :
SB-21A-GW

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.8	71.4	107.2
115	38.0	22.7	34.1

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#38

Acenaphthene-d10

Concen: 20.00 ng

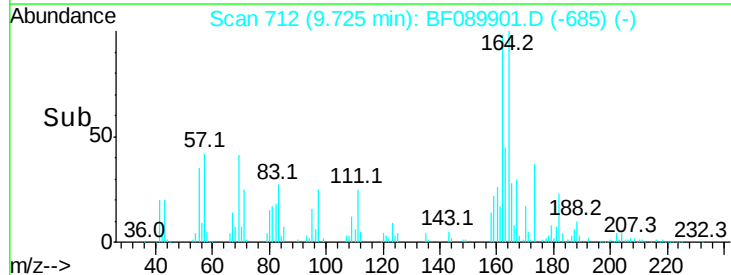
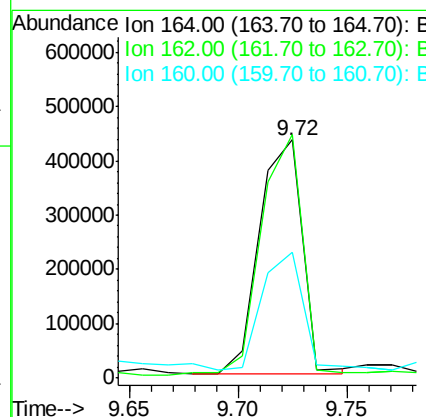
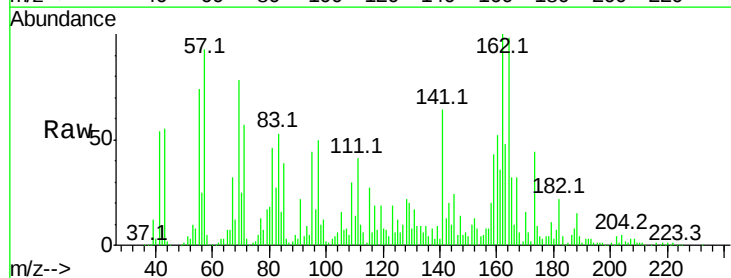
RT: 9.72 min Scan# 712

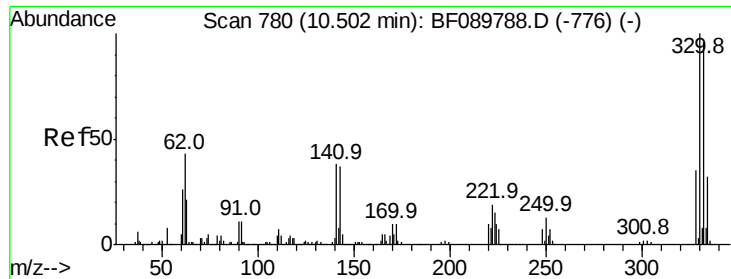
Delta R.T. 0.01 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.4	122.2
160	52.9	37.8	56.6





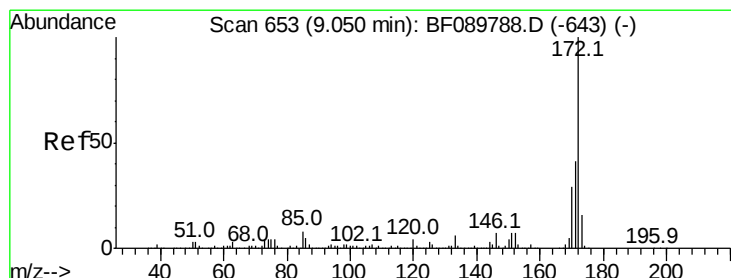
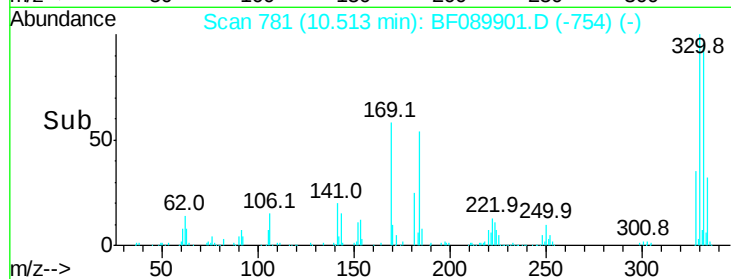
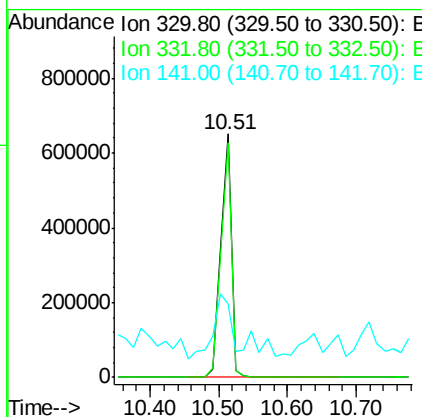
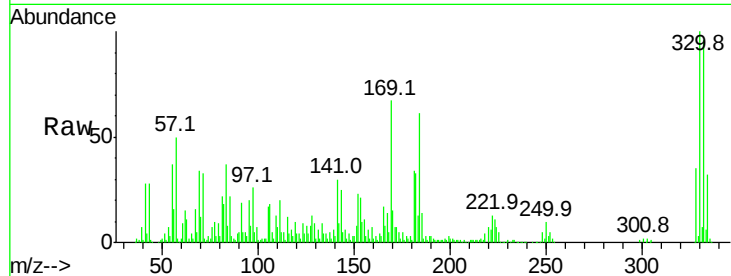
#41
 2,4,6-Tribromophenol
 Concen: 128.56 ng
 RT: 10.51 min Scan# 781
 Delta R.T. 0.01 min
 Lab File: BF089901.D
 Acq: 25 Aug 2016 4:39

Instrument :
 BNA_F
 ClientSampleId :
 SB-21A-GW

Tot Ion	Ratio	Resp	Lower	Upper
330	100	723157		
332	96.0	76.7	115.1	
141	44.5	30.2	45.2	

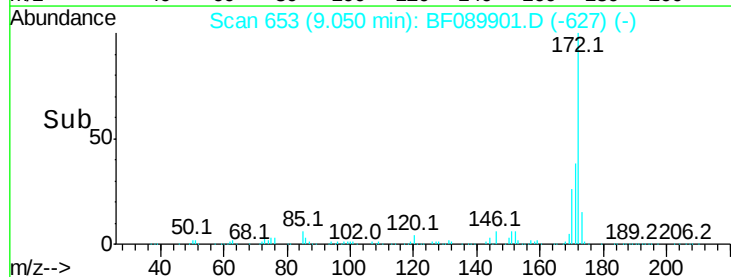
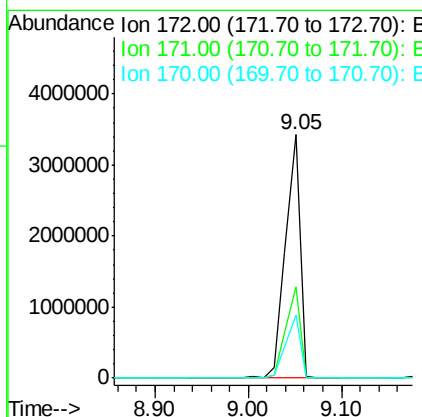
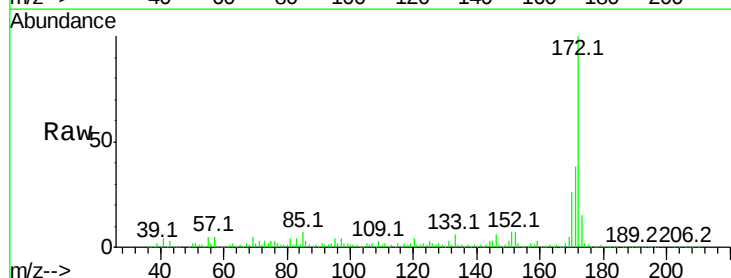
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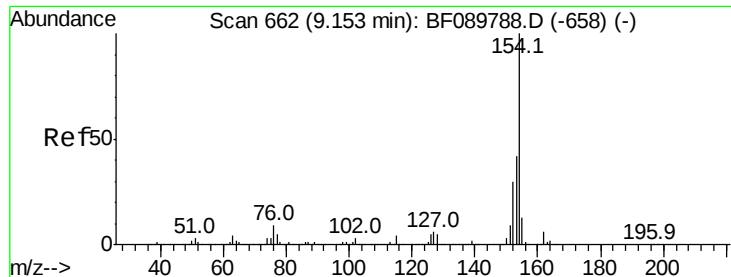
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#44
 2-Fluorobiphenyl
 Concen: 110.21 ng
 RT: 9.05 min Scan# 653
 Delta R.T. 0.00 min
 Lab File: BF089901.D
 Acq: 25 Aug 2016 4:39

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	3711752		
171	37.8	30.5	45.7	
170	26.0	20.6	31.0	





#45

1,1'-Biphenyl

Concen: 25.27 ng

RT: 9.14 min Scan# 661

Delta R.T. -0.01 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-21A-GW

Tot Ion:154 Resp: 1157715

Ion Ratio Lower Upper

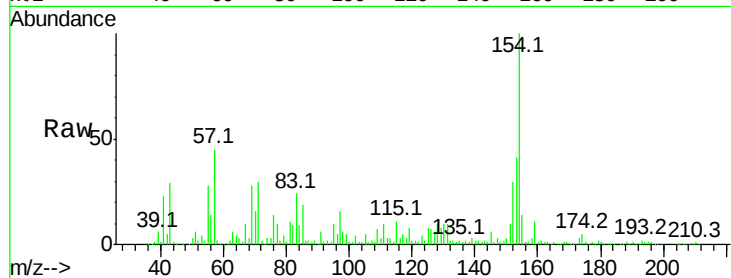
154 100

153 41.3 21.5 61.5

76 13.6 0.0 36.7

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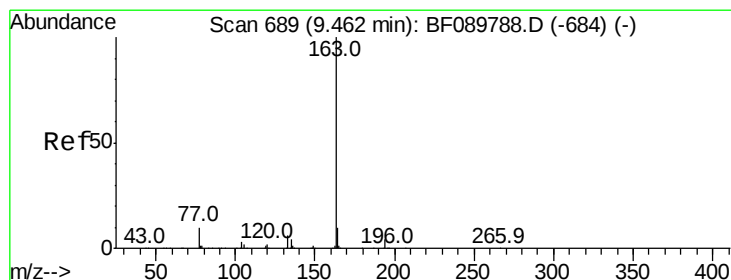
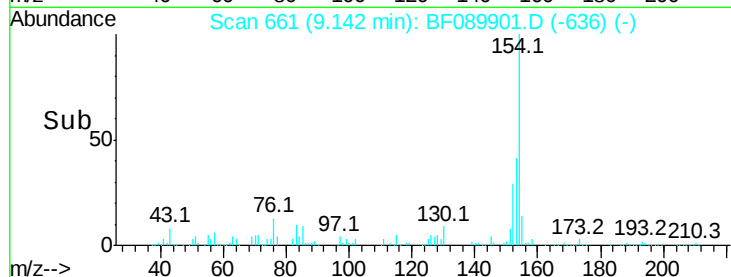
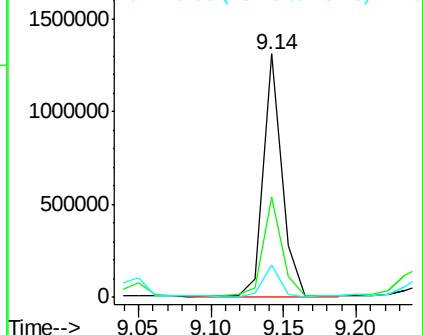
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#49

Dimethylphthalate

Concen: 11.57 ng m

RT: 9.45 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

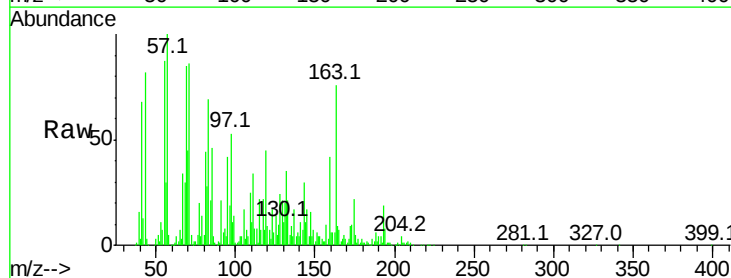
Tgt Ion:163 Resp: 482102

Ion Ratio Lower Upper

163 100

194 10.8 2.6 3.8#

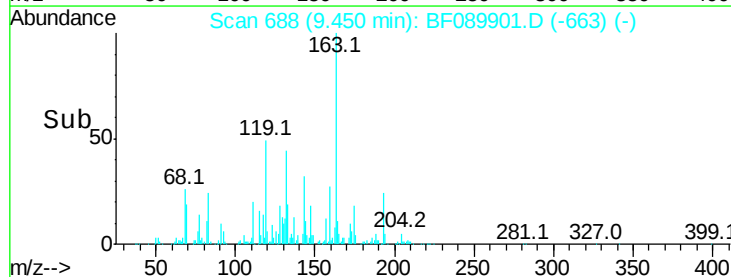
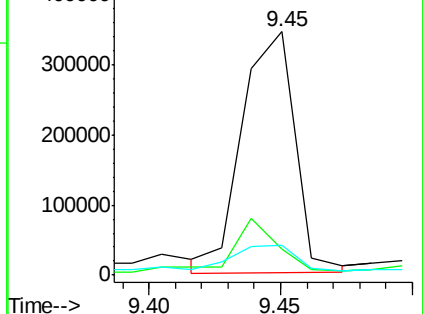
164 12.2 8.6 12.8

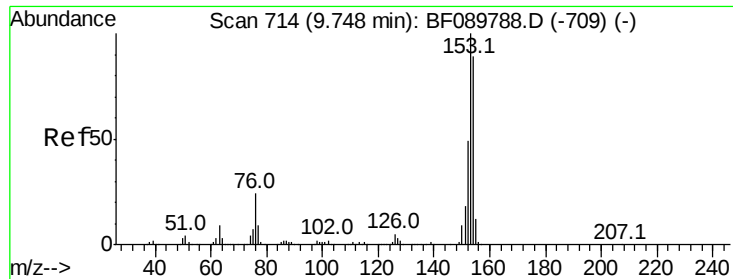


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 14.65 ng

RT: 9.75 min Scan# 714

Delta R.T. -0.00 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

Instrument :

BNA_F

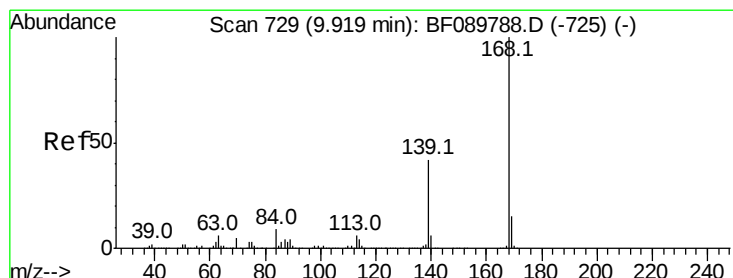
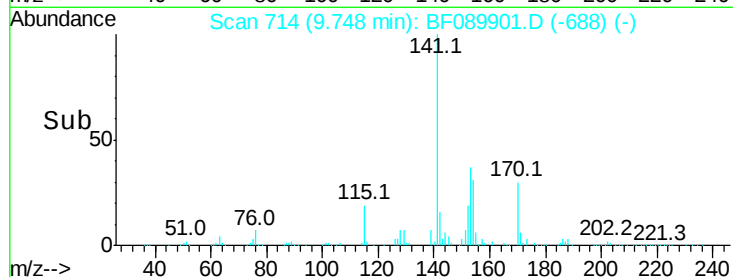
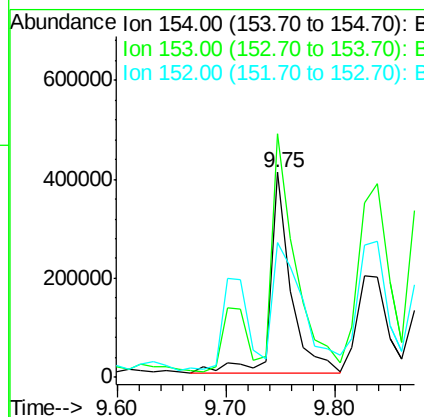
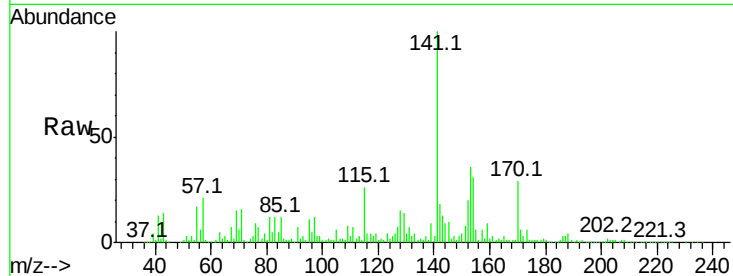
ClientSampleId :

SB-21A-GW

Tot Ion:	154	Resp:	527580
Ion Ratio	Lower	Upper	
154	100		
153	118.7	90.5	135.7
152	65.5	44.6	67.0

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#54

Dibenzofuran

Concen: 7.98 ng m

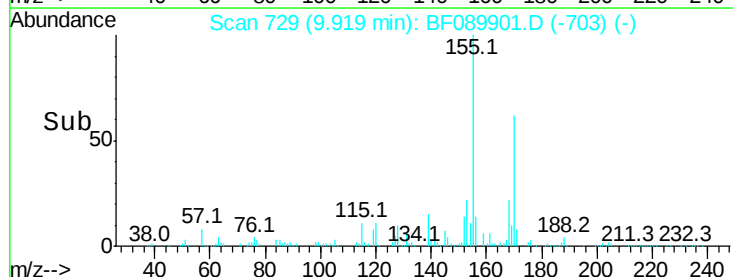
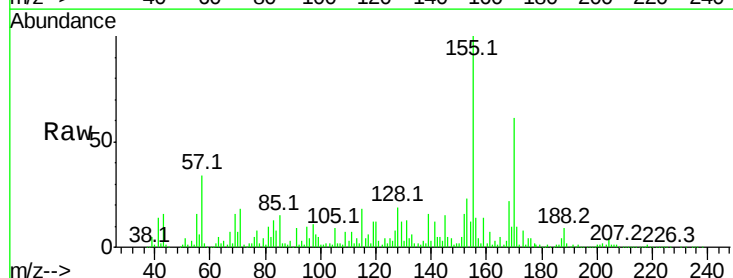
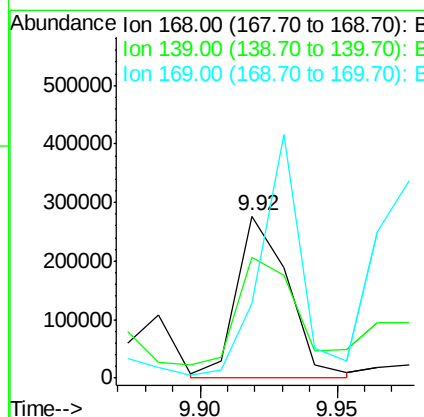
RT: 9.92 min Scan# 729

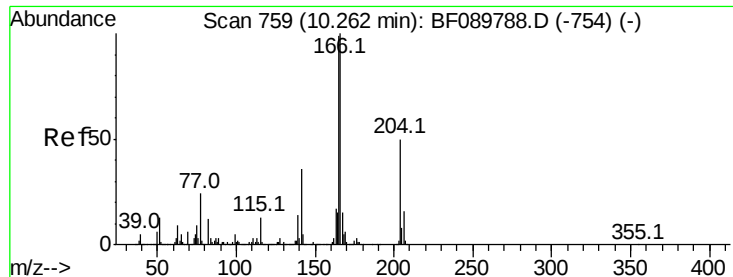
Delta R.T. -0.00 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

Tgt Ion:	168	Resp:	360995
Ion Ratio	Lower	Upper	
168	100		
139	74.4	34.6	52.0#
169	45.8	11.5	17.3#





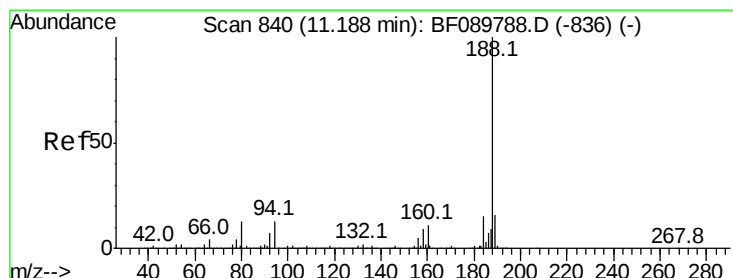
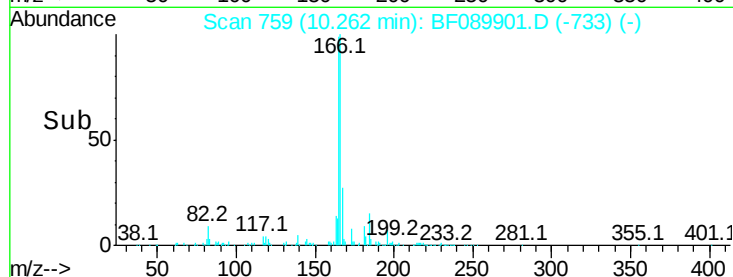
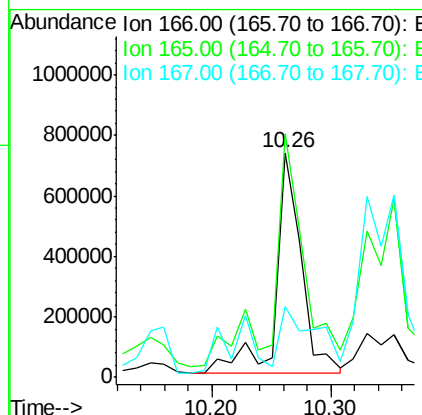
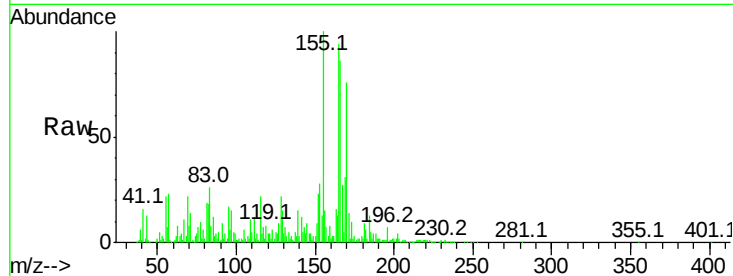
#57
Fluorene
 Concen: 30.11 ng
 RT: 10.26 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: BF089901.D
 Acq: 25 Aug 2016 4:39

Instrument :
 BNA_F
 ClientSampleId :
 SB-21A-GW

Tot Ion	Ratio	Lower	Upper
166	100		
165	108.5	80.2	120.4
167	31.5	11.3	16.9

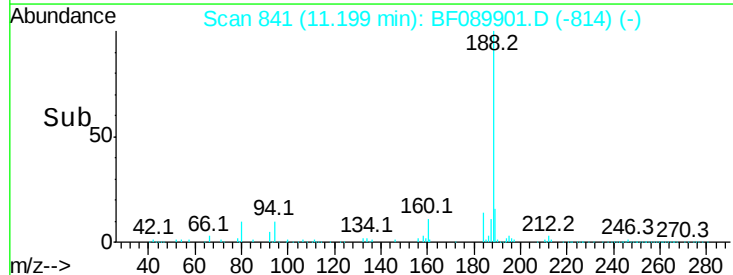
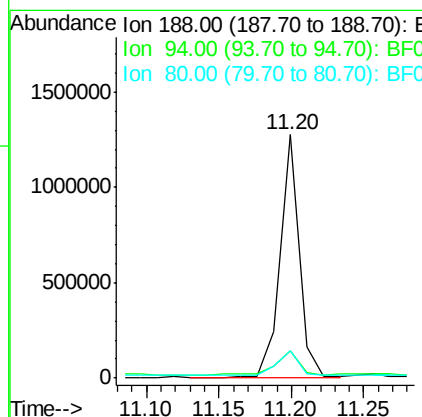
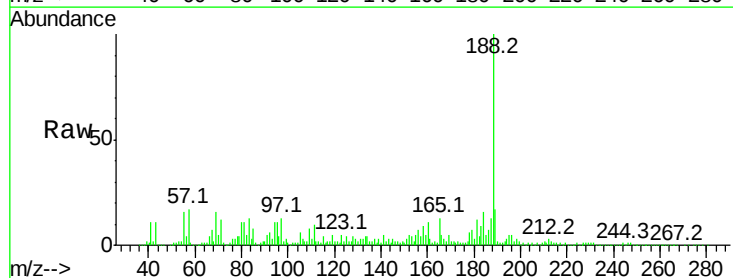
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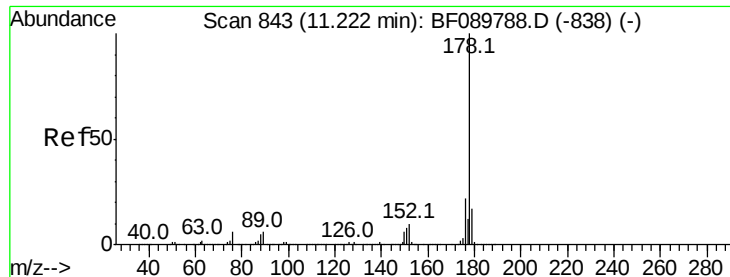
umangi
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 841
 Delta R.T. 0.01 min
 Lab File: BF089901.D
 Acq: 25 Aug 2016 4:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.3	10.2	15.2
80	11.3	10.9	16.3





#70

Phenanthrene

Concen: 42.14 ng

RT: 11.22 min Scan# 843

Delta R.T. -0.00 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-21A-GW

Tot Ion:178 Resp: 2471136

Ion Ratio Lower Upper

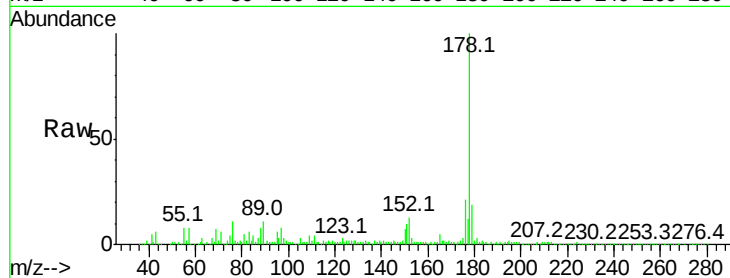
178 100

176 20.9 16.4 24.6

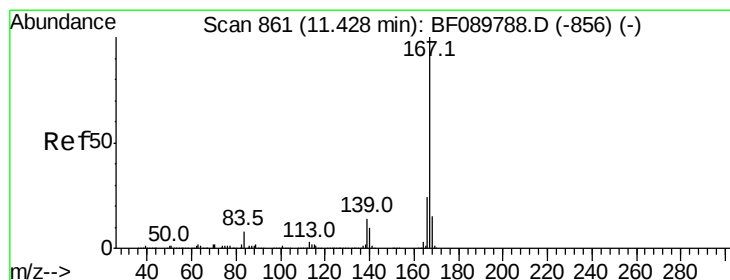
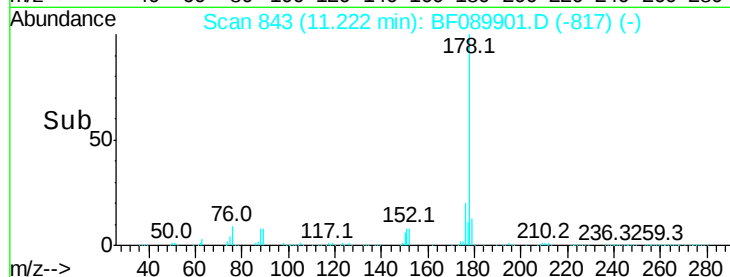
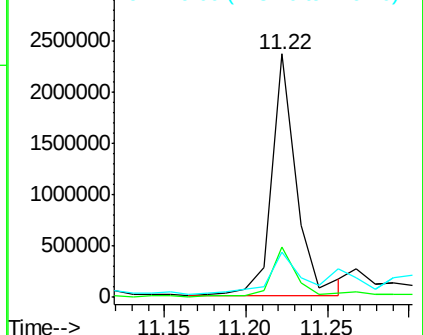
179 18.8 12.5 18.7#

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 8.47 ng

RT: 11.43 min Scan# 861

Delta R.T. -0.00 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

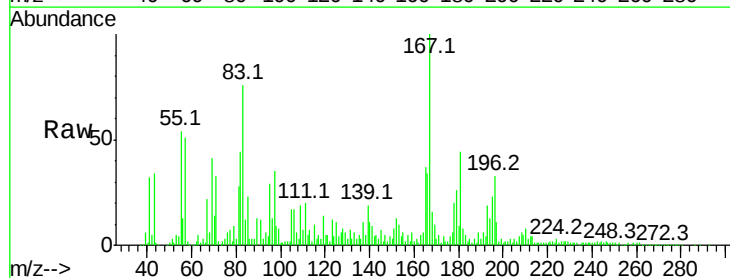
Tgt Ion:167 Resp: 452981

Ion Ratio Lower Upper

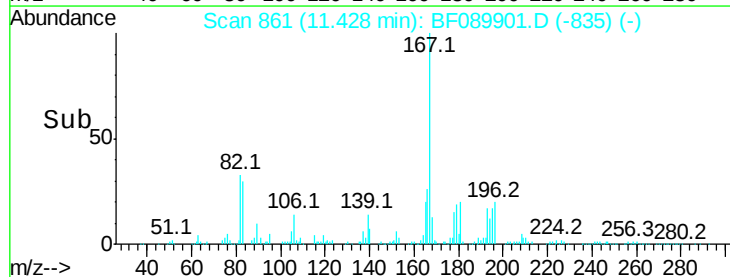
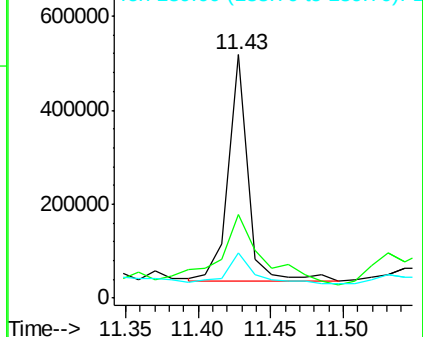
167 100

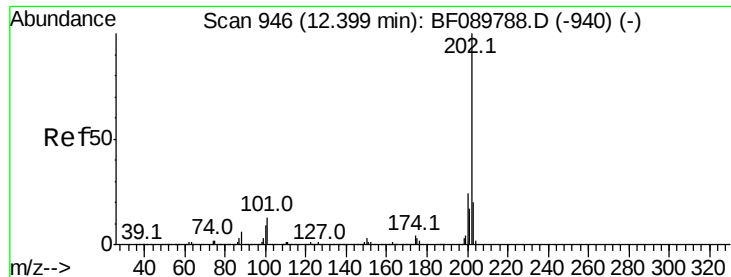
166 34.2 17.9 26.9#

139 18.6 12.4 18.6



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 2.01 ng

RT: 12.40 min Scan# 946

Delta R.T. -0.00 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

Instrument :

BNA_F

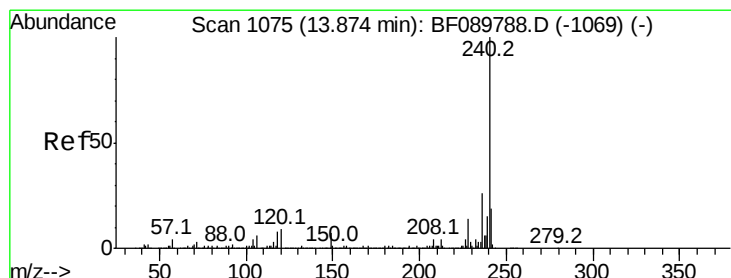
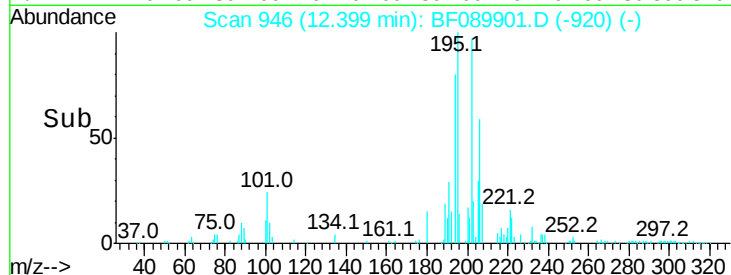
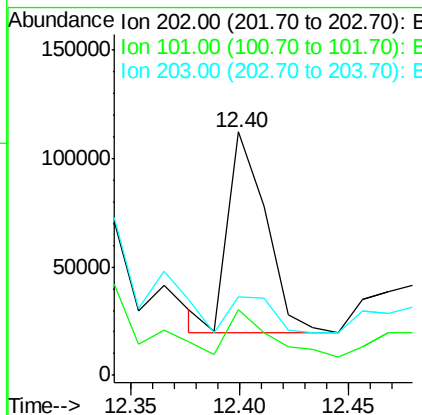
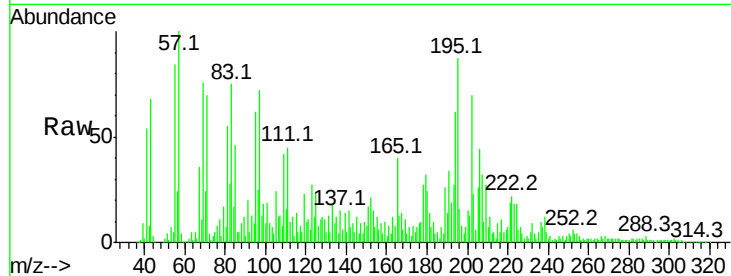
ClientSampleId :

SB-21A-GW

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	26.9	0.0	31.2		
203	32.5	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.00 ng

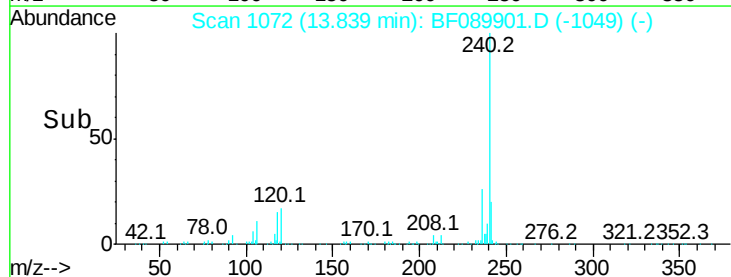
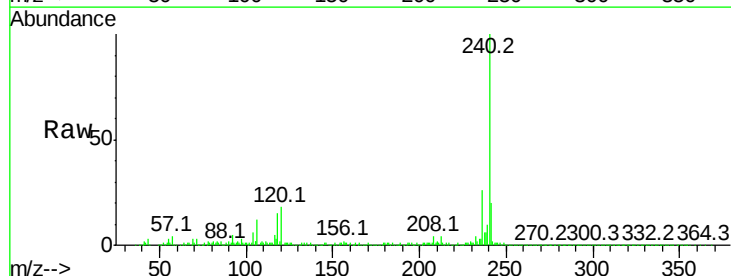
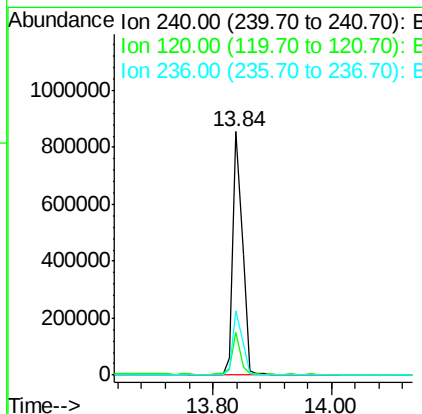
RT: 13.84 min Scan# 1072

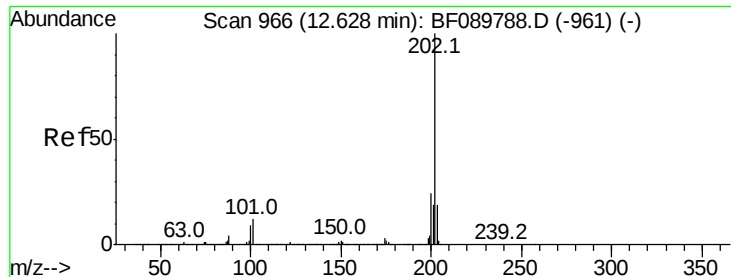
Delta R.T. -0.03 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	17.5	8.3	12.5#		
236	26.3	21.3	31.9		





#77

Pvrene

Concen: 8.92 ng

RT: 12.63 min Scan# 966

Delta R.T. -0.00 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

Instrument :

BNA_F

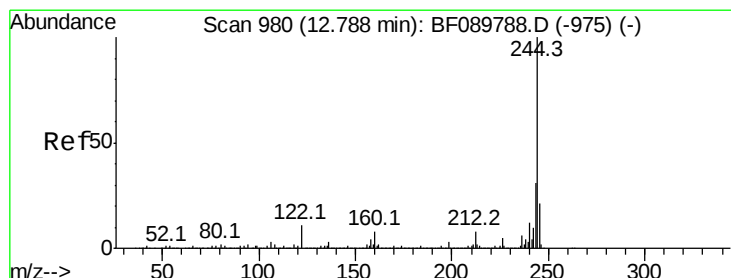
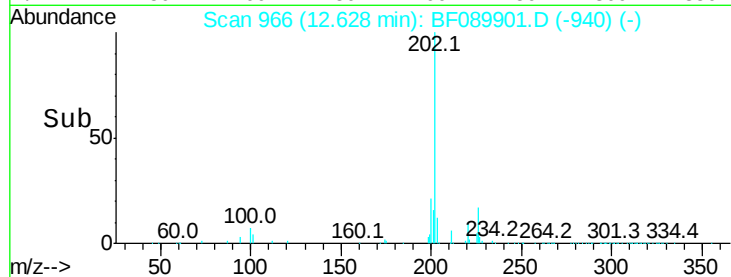
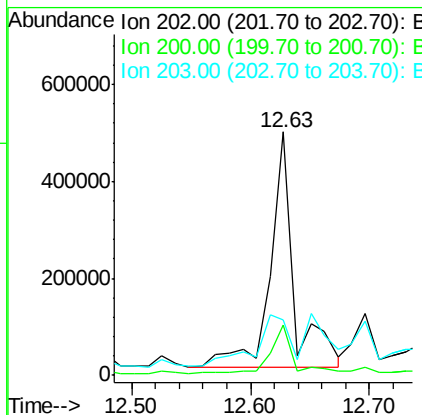
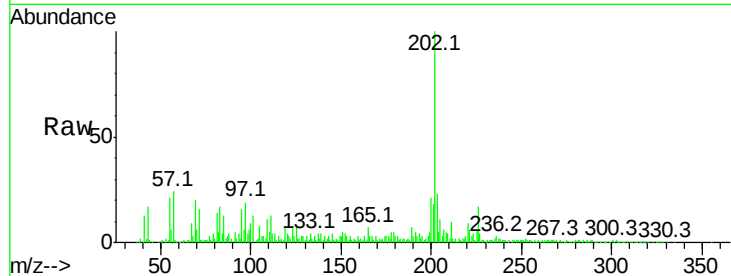
ClientSampleId :

SB-21A-GW

Tot Ion:	202	Resp:	682137
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.8	26.6
203	22.7	14.2	21.4#

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#78

Terphenyl-d14

Concen: 73.86 ng

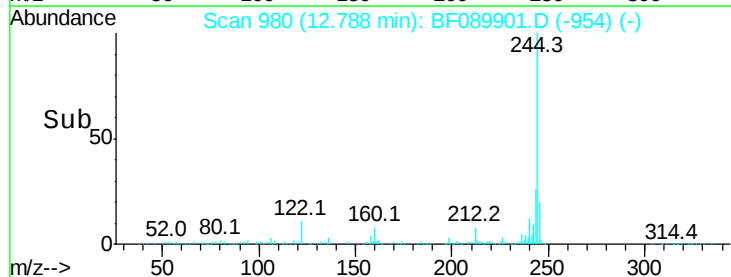
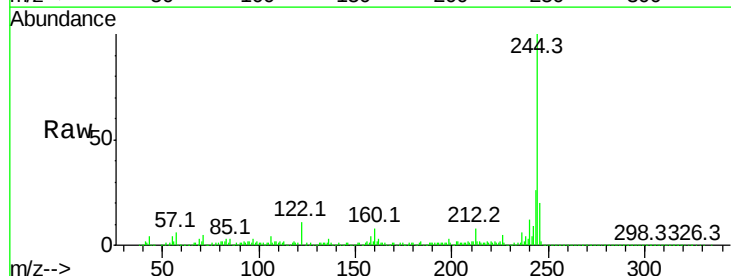
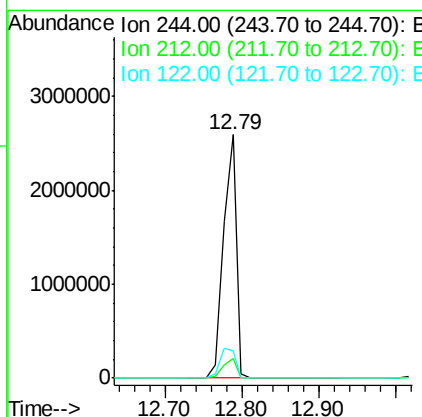
RT: 12.79 min Scan# 980

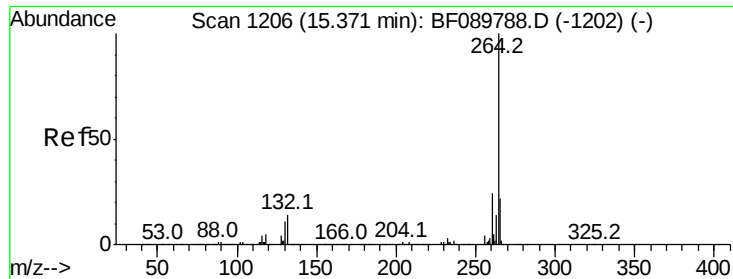
Delta R.T. 0.00 min

Lab File: BF089901.D

Acq: 25 Aug 2016 4:39

Tgt Ion:	244	Resp:	3065467
Ion Ratio	Lower	Upper	
244	100		
212	8.0	6.3	9.5
122	11.4	12.0	18.0#





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.31 min Scan# 1201
Delta R.T. -0.06 min
Lab File: BF089901.D
Acq: 25 Aug 2016 4:39

Instrument :
BNA_F
ClientSampleId :
SB-21A-GW

Tot Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.1	20.2	30.2
265	21.7	17.4	26.2

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