

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083019\
 Data File : BG042616.D
 Acq On : 31 Aug 2019 1:07
 Operator : HP/JU
 Sample : K4618-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-4-12-14

Manual Integrations
 APPROVED

mohammad
 8/31/2019 2:42:51 PM

Quant Time: Aug 31 05:16:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	34417	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	135345	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	97946	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	219180	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	229599	20.00	ng	-0.01
87) Perylene-d12	24.92	264	276485	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	190557	112.13	ng	0.00
7) Phenol-d6	7.16	99	250868	109.29	ng	-0.01
23) Nitrobenzene-d5	9.16	82	137788	70.35	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	157923	113.44	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	395252	68.25	ng	0.00
79) Terphenyl-d14	20.02	244	654952	61.67	ng	0.00
Target Compounds						
10) Phenol	7.18	94	21324	9.137	ng	90
11) bis(2-Chloroethyl)ether	7.41	93	17368	9.475	ng	95
17) 2-Methylphenol	8.45	107	10417	6.060	ng	91
50) Dimethylphthalate	14.11	163	43098	6.098	ng	97
71) Phenanthrene	17.45	178	80023	7.350	ng	96
72) Anthracene	17.54	178	39190	3.606	ng	97
75) Fluoranthene	19.46	202	297911	22.422	ng	96
78) Pyrene	19.82	202	321325	22.827	ng	97
81) Benzo(a)anthracene	21.66	228	166794	11.942	ng	97
83) Chrysene	21.73	228	139949	10.390	ng	98
86) Indeno(1,2,3-cd)pyrene	28.62	276	78368	4.281	ng	# 96
88) Benzo(b)fluoranthene	23.90	252	163910	10.783	ng	99
89) Benzo(k)fluoranthene	23.96	252	56151m	3.843	ng	
90) Benzo(a)pyrene	24.77	252	149483m	10.364	ng	
92) Benzo(a,h,i)perylene	29.76	276	79251	5.426	ng	94

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

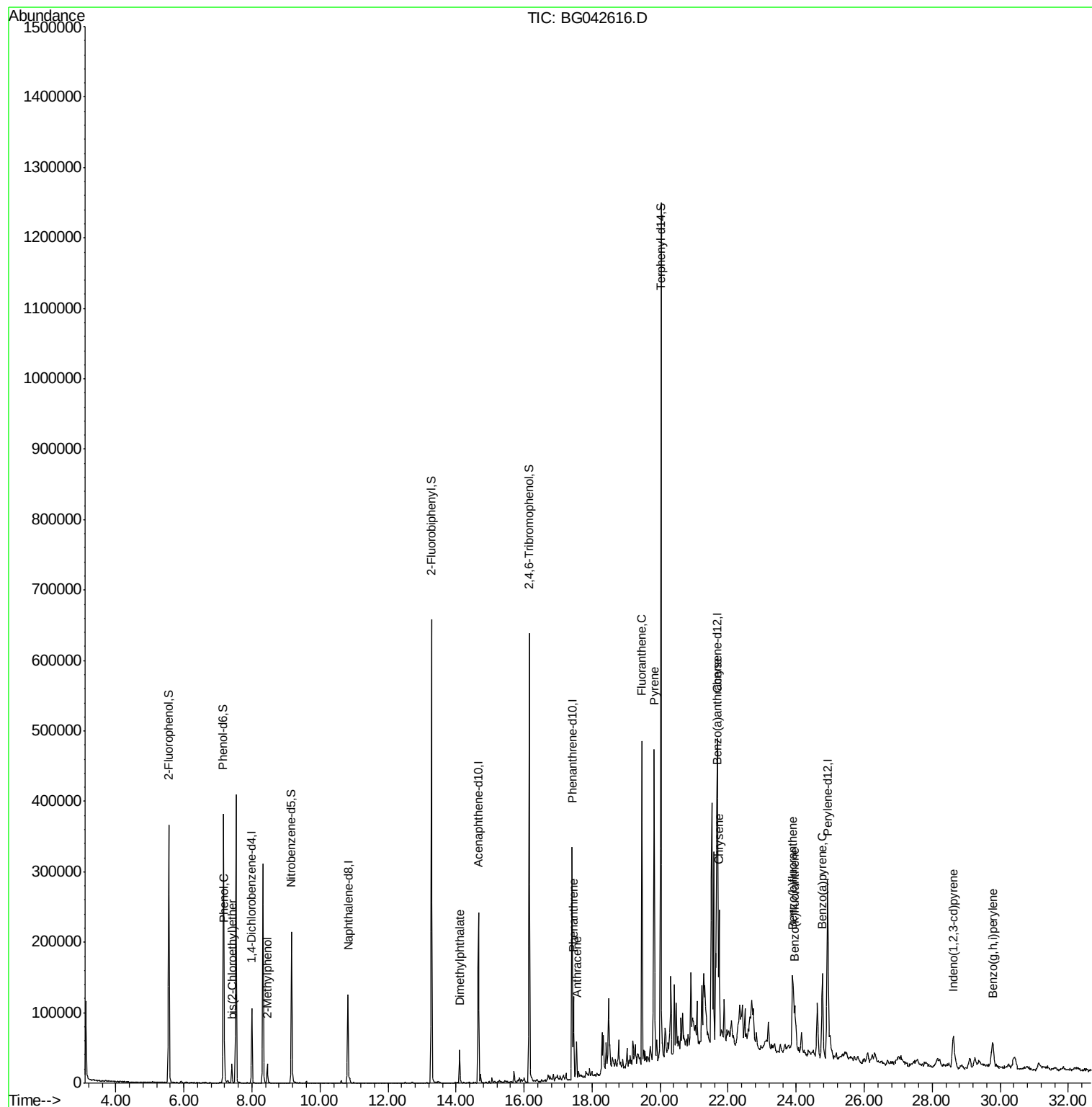
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083019\
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ALS Vial : 14 Sample Multiplier: 1

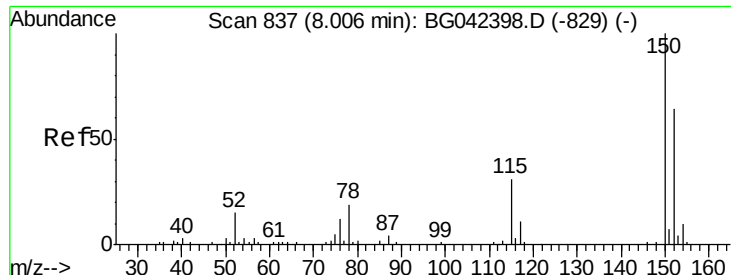
Instrument :
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#1

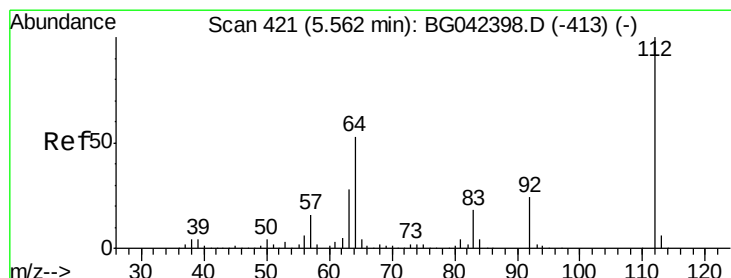
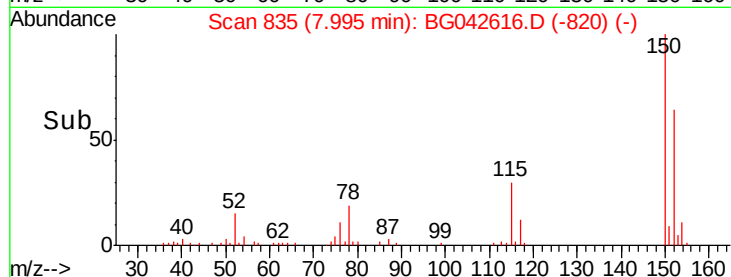
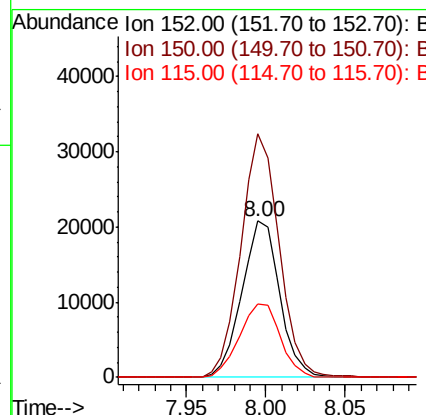
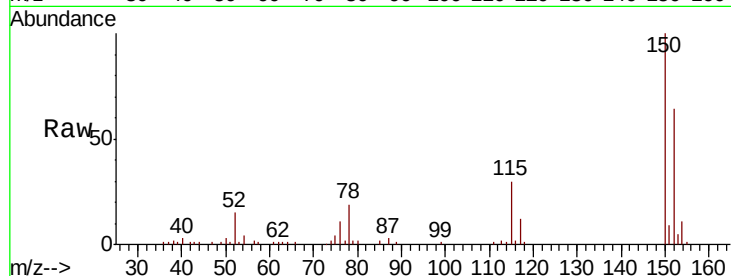
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042616.D
Acq: 31 Aug 2019 1:07

Instrument :
BNA_G
ClientSampleId :
SB-4-12-14

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	125.4	188.0
115	47.2	38.5	57.7

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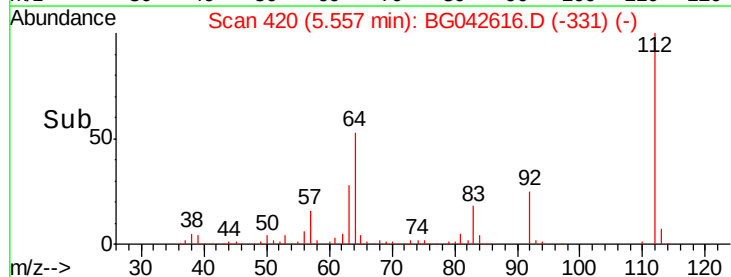
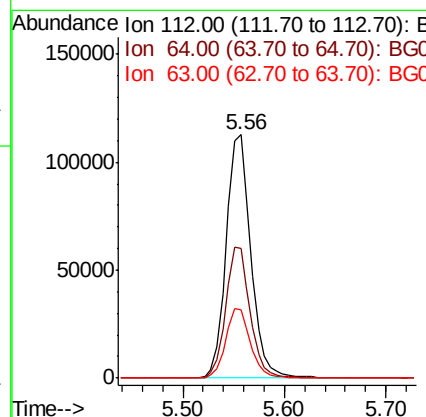
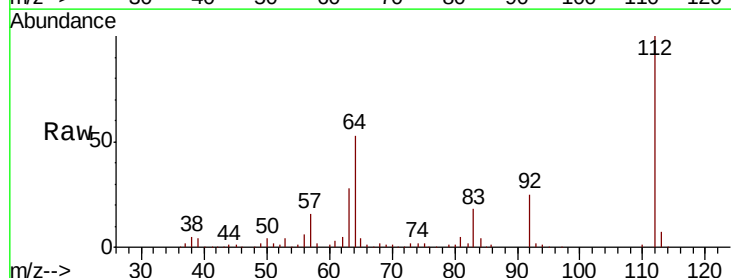
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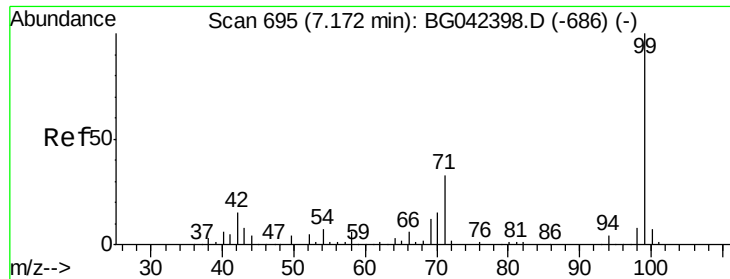


#5

2-Fluorophenol
Concen: 112.135 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.00 min
Lab File: BG042616.D
Acq: 31 Aug 2019 1:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.5	42.8	64.2
63	27.9	22.7	34.1





#7

Phenol-d6

Concen: 109.289 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042616.D

Acq: 31 Aug 2019 1:07

Instrument :

BNA_G

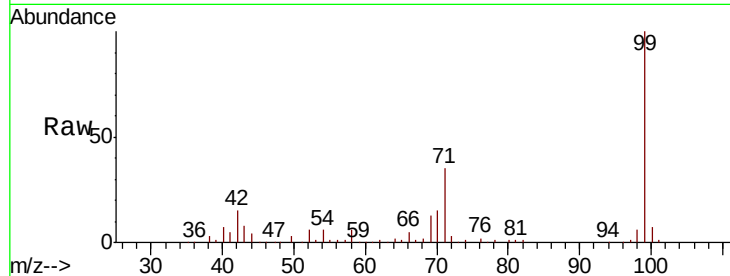
ClientSampled :

SB-4-12-14

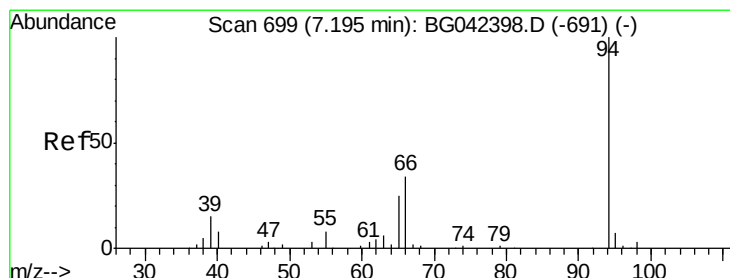
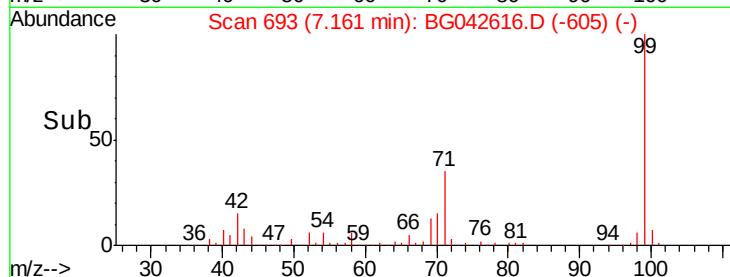
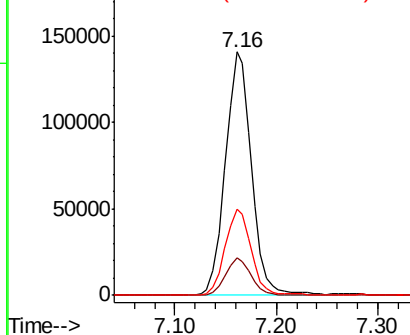
Tot Ion:	99	Resp:	250868
Ion Ratio	Lower	Upper	
99	100		
42	15.3	12.0	18.0
71	35.4	26.3	39.5

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Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#10

Phenol

Concen: 9.137 ng

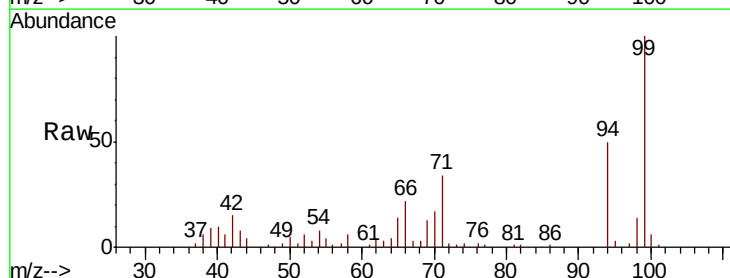
RT: 7.18 min Scan# 697

Delta R.T. -0.01 min

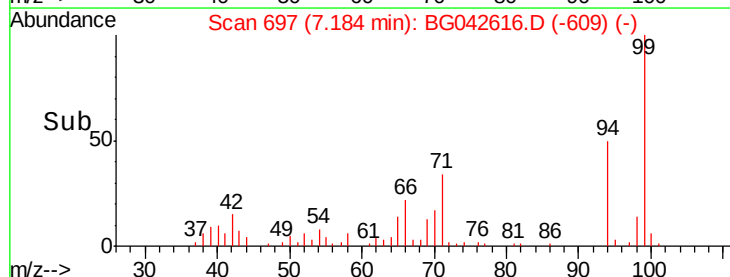
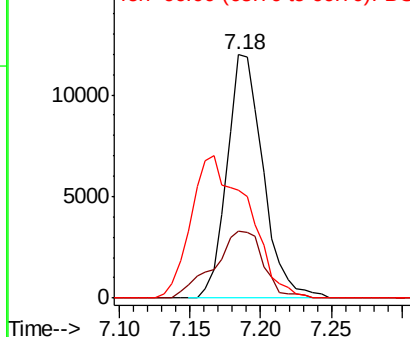
Lab File: BG042616.D

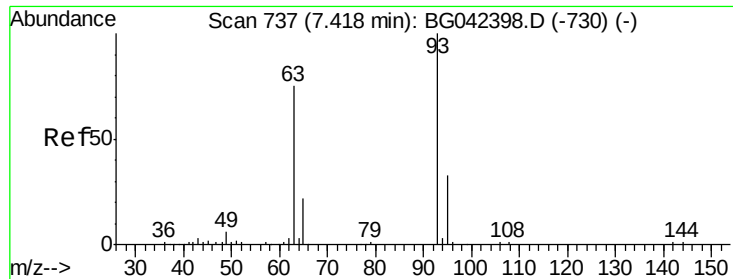
Acq: 31 Aug 2019 1:07

Tgt Ion:	94	Resp:	21324
Ion Ratio	Lower	Upper	
94	100		
65	27.6	5.6	45.6
66	44.5	16.0	56.0



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





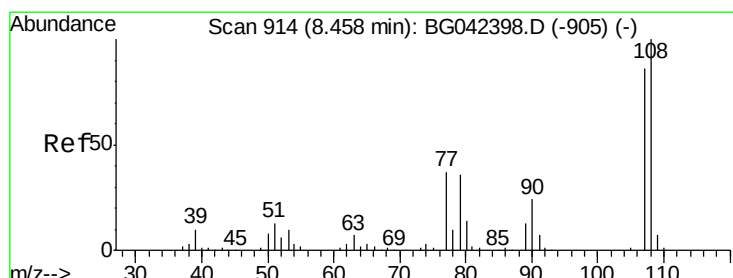
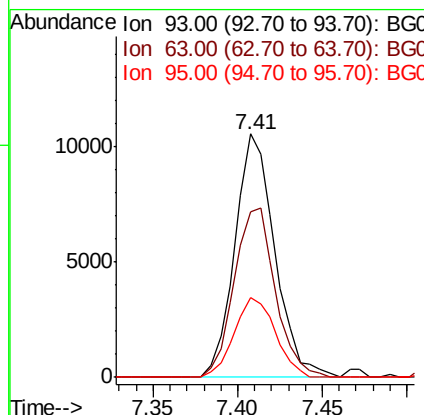
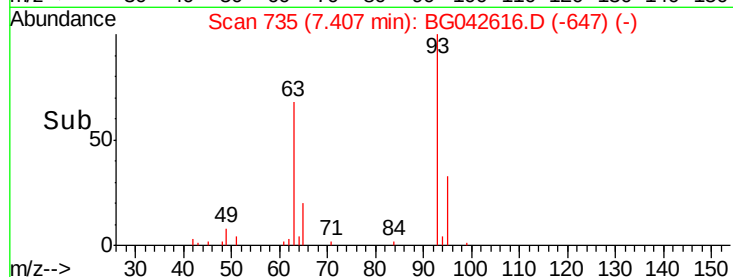
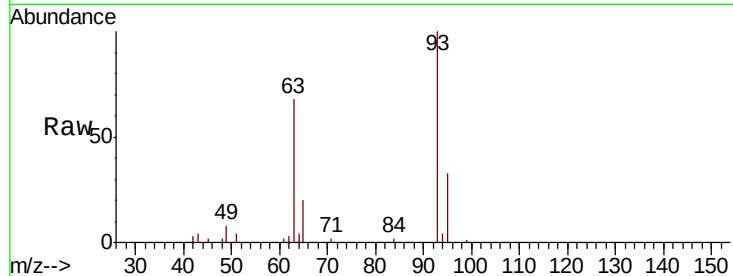
#11
bis(2-Chloroethyl)ether
Concen: 9.475 ng
RT: 7.41 min Scan# 735
Delta R.T. -0.01 min
Lab File: BG042616.D
Acq: 31 Aug 2019 1:07

Instrument :
BNA_G
ClientSampled :
SB-4-12-14

Tot Ion:	93	Resp:	17368
Ion	Ratio	Lower	Upper
93	100		
63	68.2	53.8	93.8
95	32.5	13.1	53.1

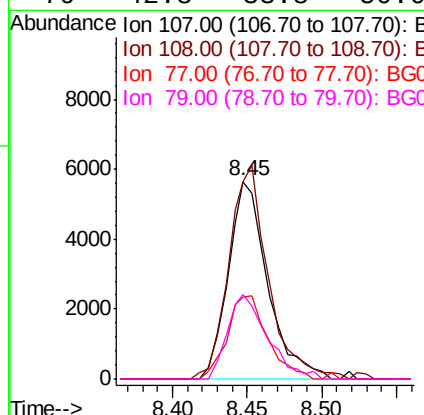
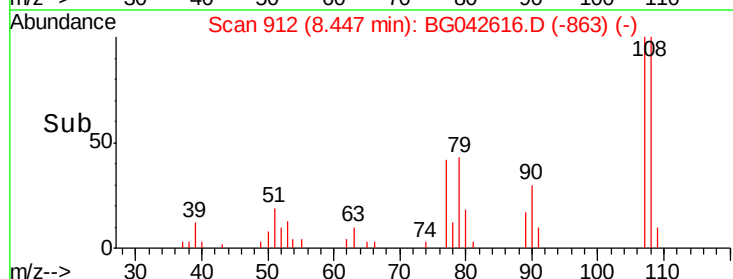
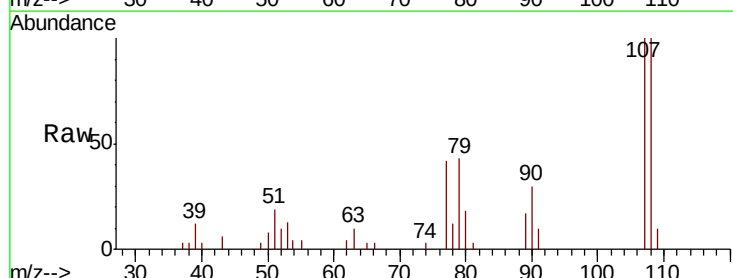
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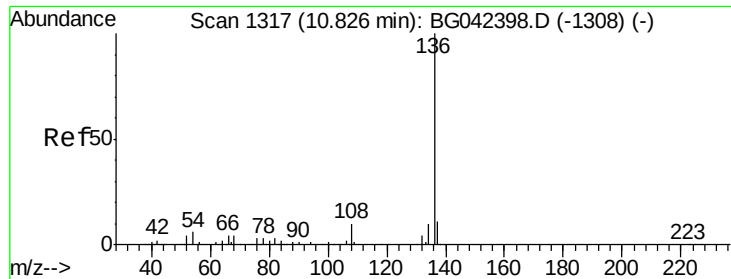
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#17
2-Methylphenol
Concen: 6.060 ng
RT: 8.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BG042616.D
Acq: 31 Aug 2019 1:07

Tgt Ion:	107	Resp:	10417
Ion	Ratio	Lower	Upper
107	100		
108	100.1	92.9	139.3
77	41.6	34.4	51.6
79	42.8	33.8	50.6





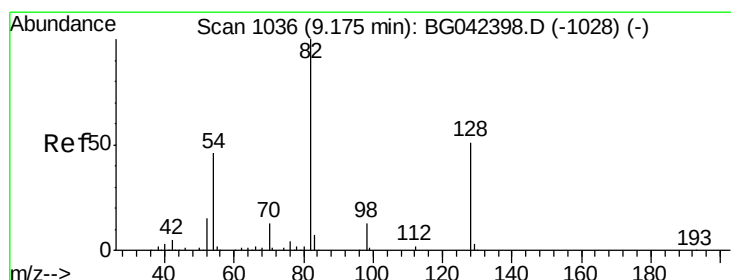
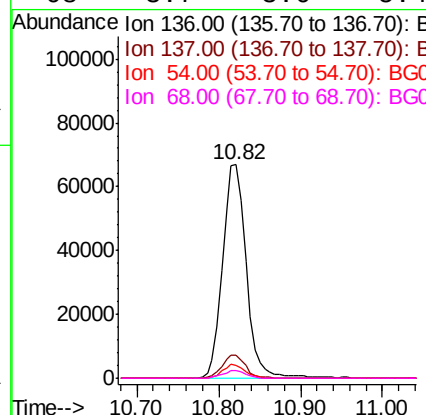
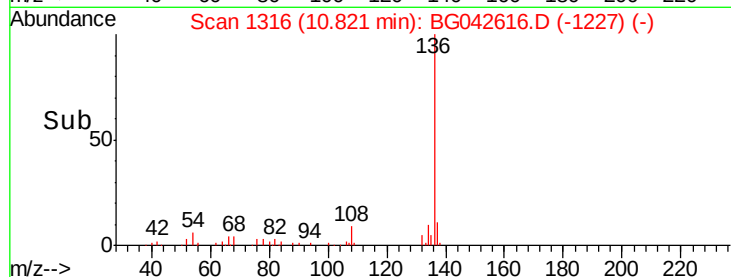
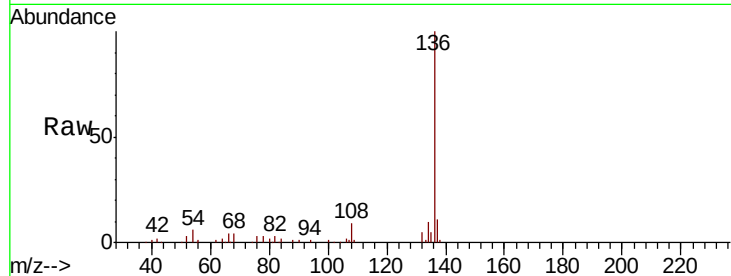
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042616.D
Acq: 31 Aug 2019 1:07

Instrument :
BNA_G
ClientSampleId :
SB-4-12-14

Tot Ion	Ratio	Resp	Lower	Upper
136	100	135345		
137	10.6	8.7	13.1	
54	6.0	4.9	7.3	
68	3.7	3.6	5.4	

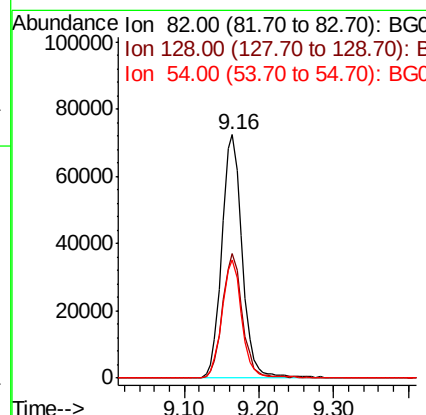
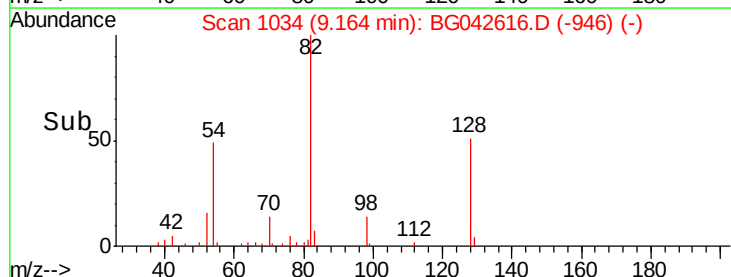
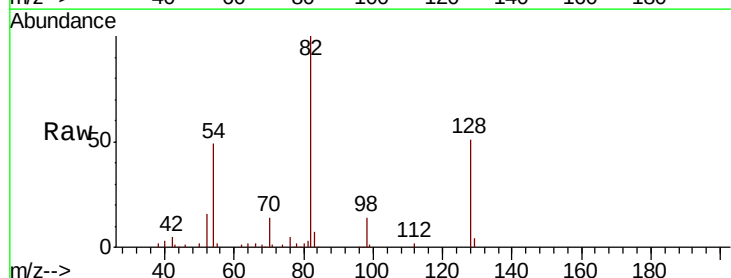
Manual Integrations
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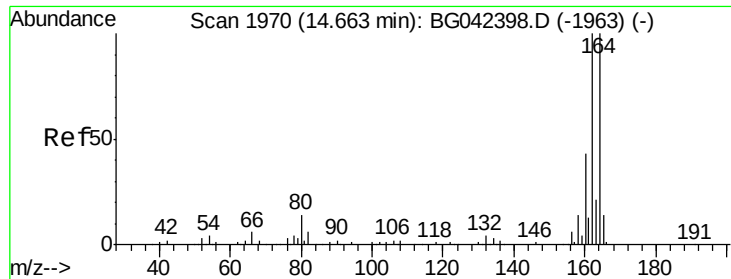
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#23
Nitrobenzene-d5
Concen: 70.351 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042616.D
Acq: 31 Aug 2019 1:07

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	137788		
128	51.0	40.7	61.1	
54	48.7	36.3	54.5	





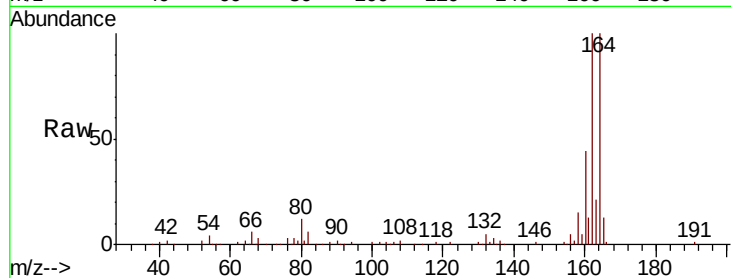
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042616.D
Acq: 31 Aug 2019 1:07

Instrument :
BNA_G
ClientSampleId :
SB-4-12-14

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.2	79.9	119.9
160	44.1	34.3	51.5

Manual Integrations
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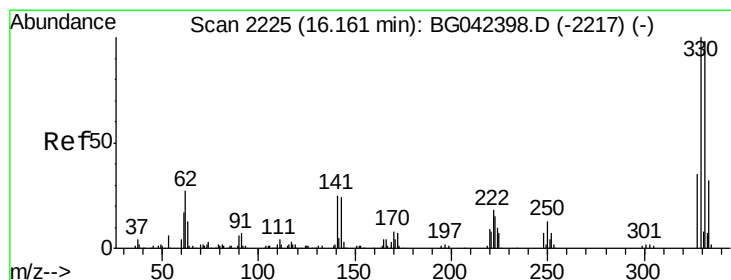
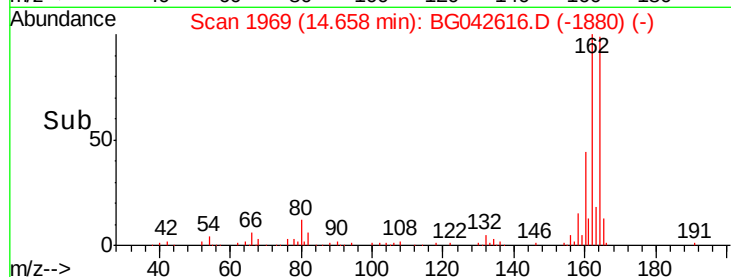
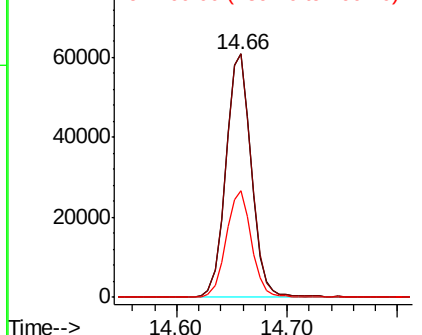


Abundance

Ion 164.00 (163.70 to 164.70): E

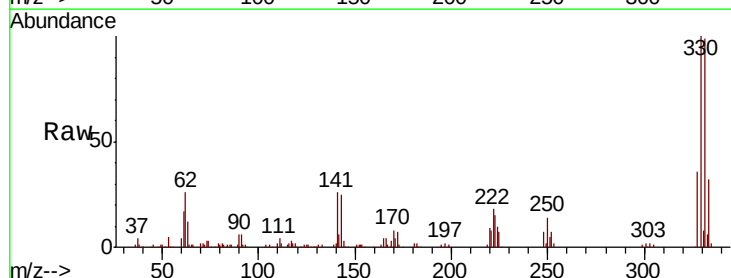
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 113.439 ng
RT: 16.15 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BG042616.D
Acq: 31 Aug 2019 1:07

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.4	116.0
141	27.0	21.4	32.0

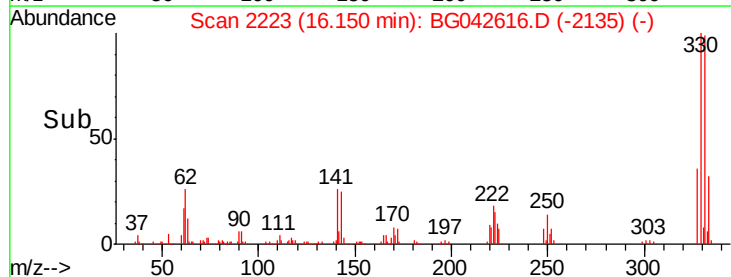
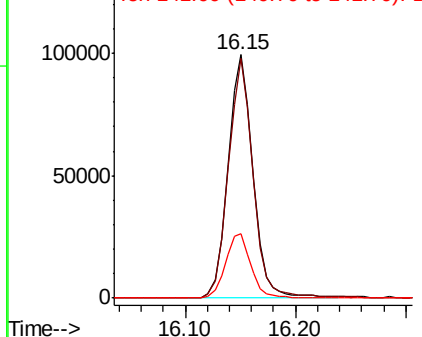


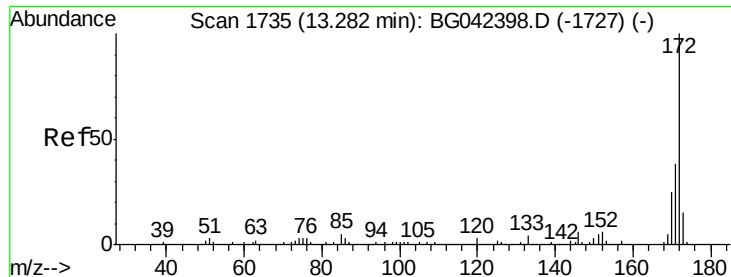
Abundance

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





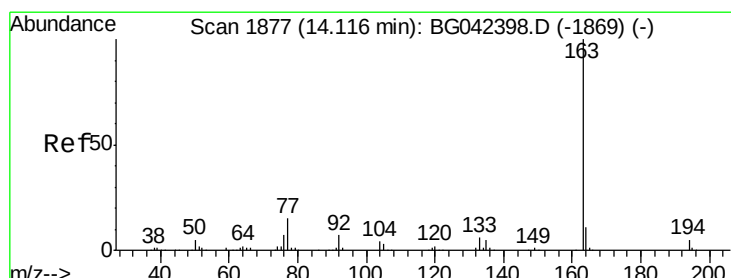
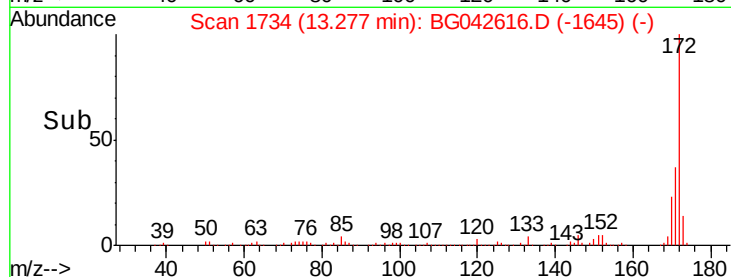
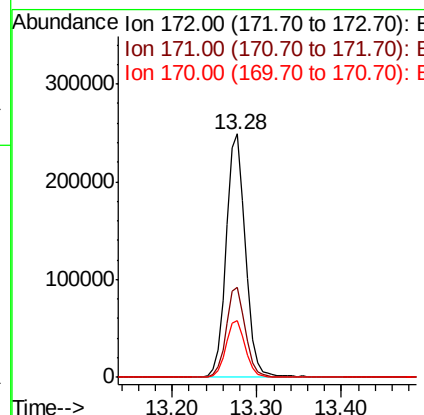
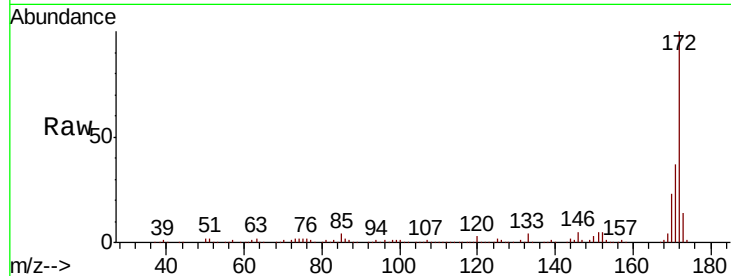
#45
2-Fluorobiphenyl
Concen: 68.250 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.00 min
Lab File: BG042616.D
Acq: 31 Aug 2019 1:07

Instrument :
BNA_G
ClientSampleId :
SB-4-12-14

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	36.8	30.5	45.7
170	23.2	20.2	30.2

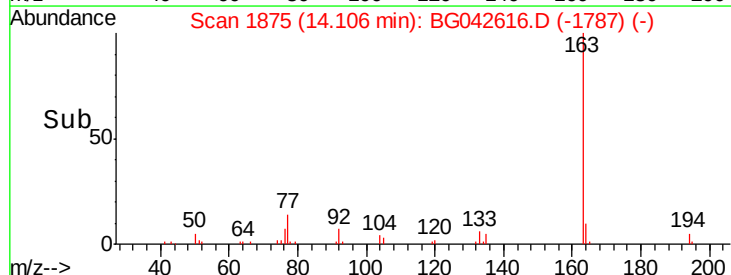
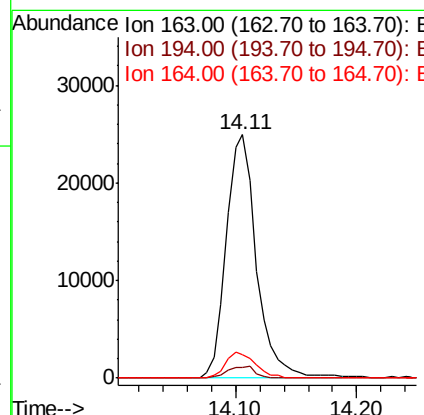
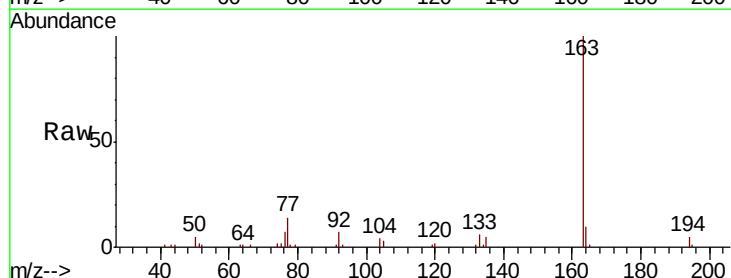
Manual Integrations
APPROVED

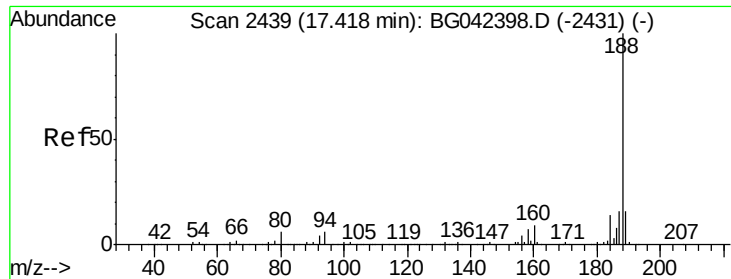
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#50
Dimethylphthalate
Concen: 6.098 ng
RT: 14.11 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG042616.D
Acq: 31 Aug 2019 1:07

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	4.6	4.2	6.2
164	9.6	8.8	13.2





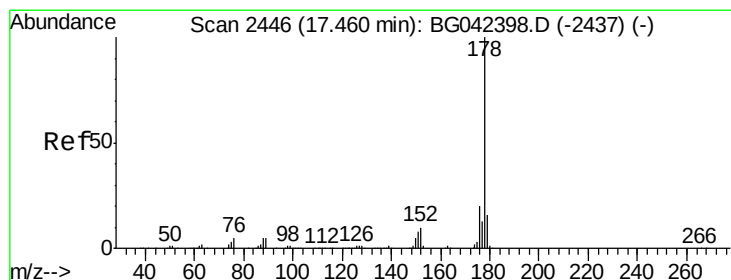
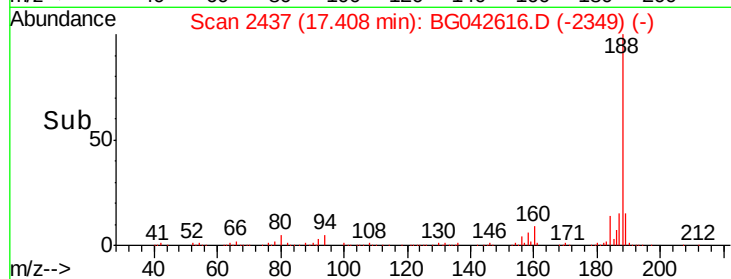
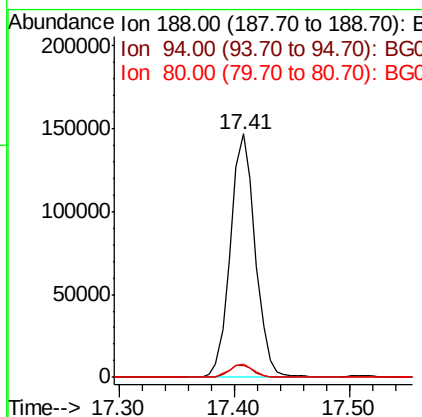
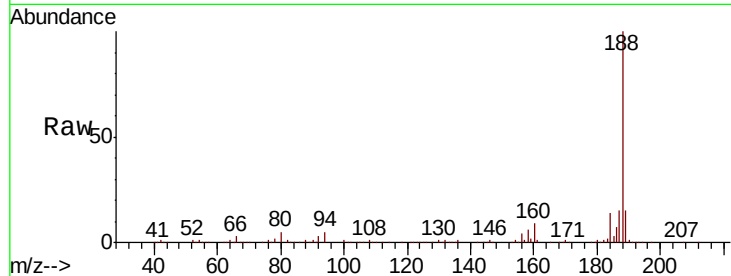
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2437
Delta R.T. -0.01 min
Lab File: BG042616.D
Acq: 31 Aug 2019 1:07

Instrument :
BNA_G
ClientSampleId :
SB-4-12-14

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	5.0	4.5	6.7
80	5.3	4.9	7.3

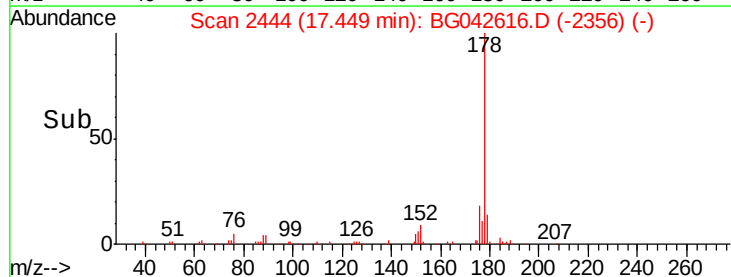
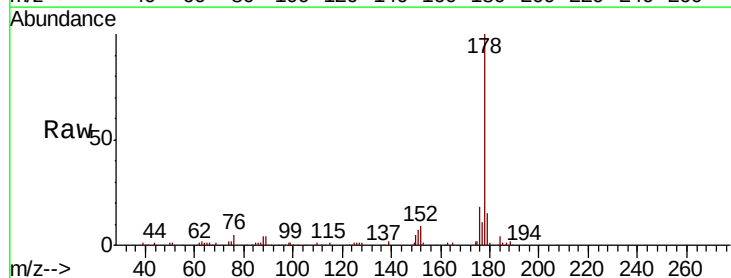
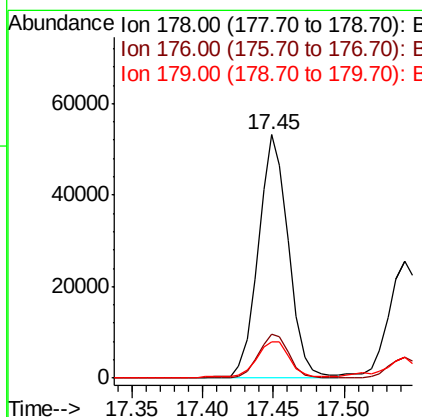
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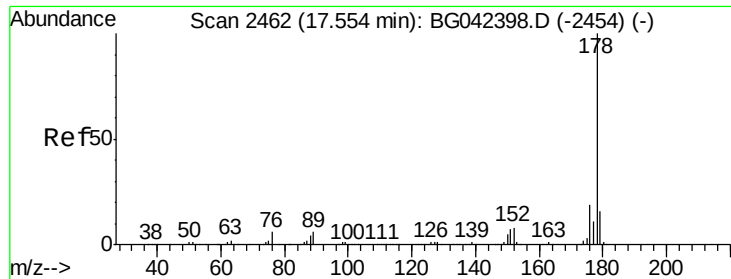
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#71
Phenanthrene
Concen: 7.350 ng
RT: 17.45 min Scan# 2444
Delta R.T. -0.01 min
Lab File: BG042616.D
Acq: 31 Aug 2019 1:07

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	17.9	15.9	23.9
179	14.7	12.7	19.1





#72

Anthracene

Concen: 3.606 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG042616.D

Acq: 31 Aug 2019 1:07

Instrument :

BNA_G

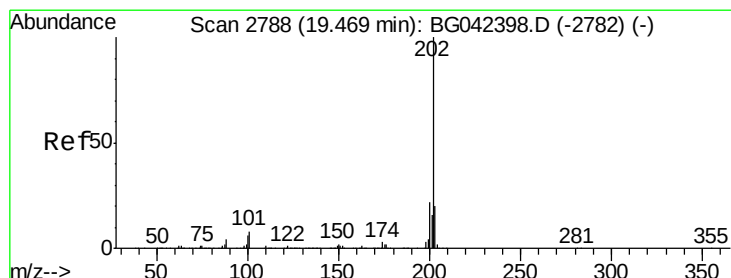
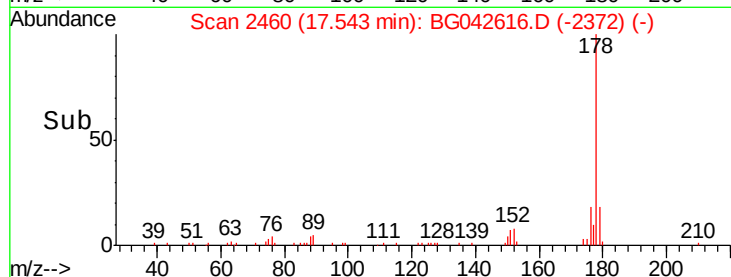
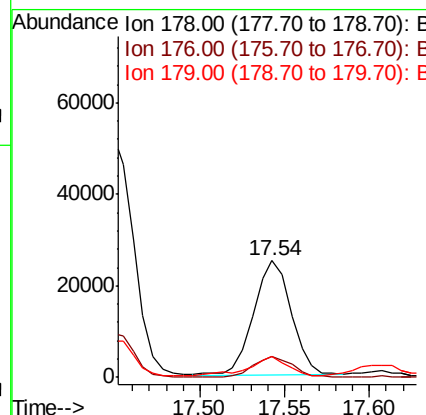
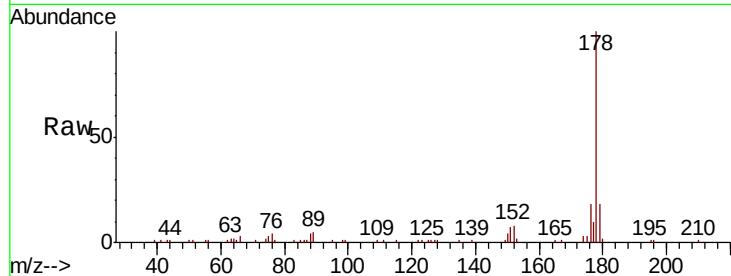
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.5	23.3
179	17.5	12.9	19.3

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#75

Fluoranthene

Concen: 22.422 ng

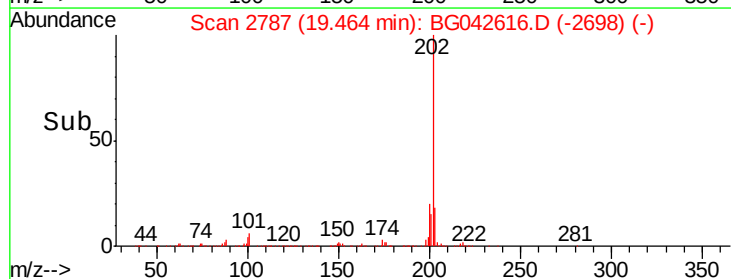
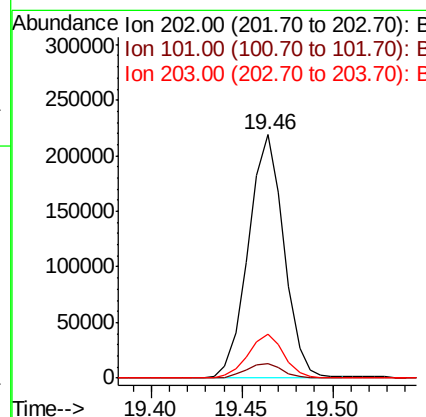
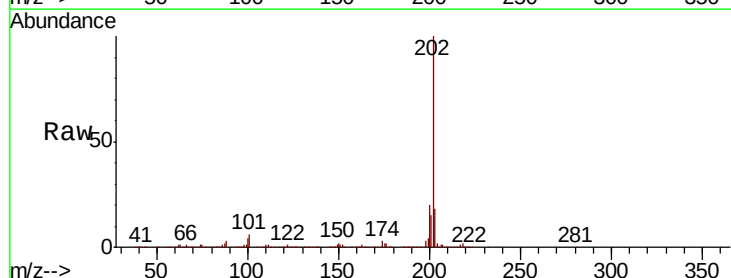
RT: 19.46 min Scan# 2787

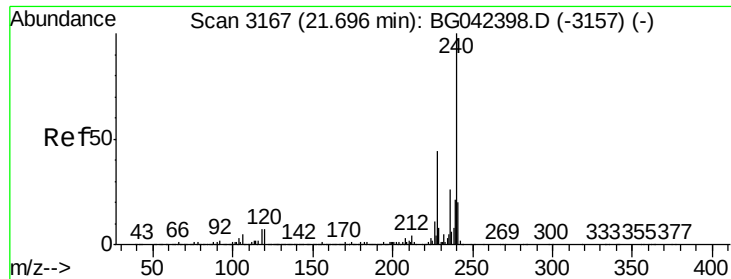
Delta R.T. -0.00 min

Lab File: BG042616.D

Acq: 31 Aug 2019 1:07

Tgt Ion	Ratio	Lower	Upper
202	100		
101	5.8	0.0	28.3
203	18.1	0.0	39.6





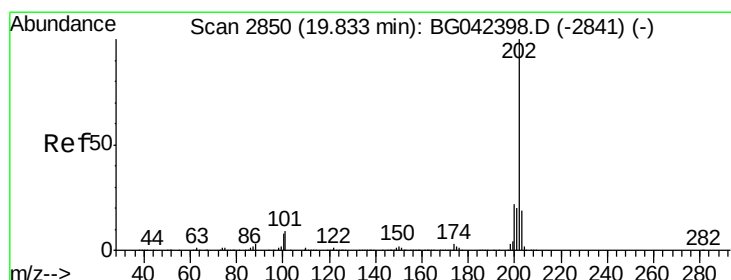
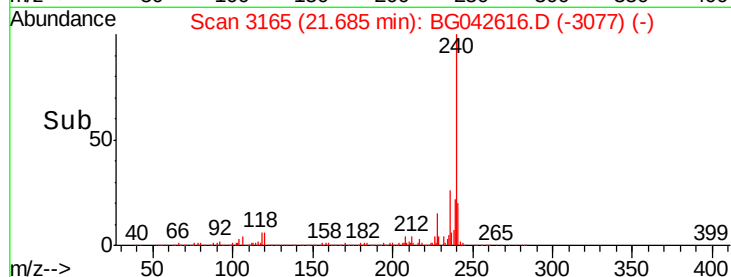
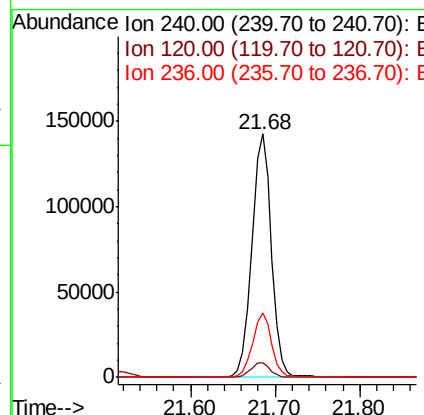
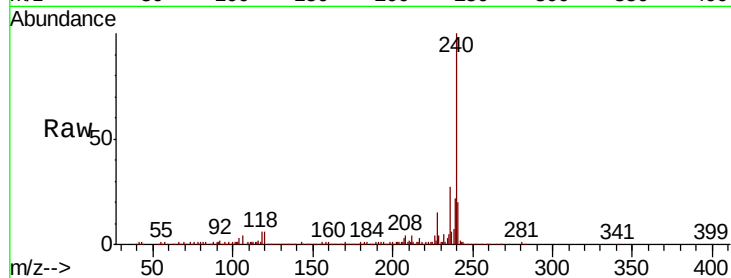
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG042616.D
Acq: 31 Aug 2019 1:07

Instrument :
BNA_G
ClientSampleId :
SB-4-12-14

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.1	5.7	8.5
236	26.5	21.0	31.4

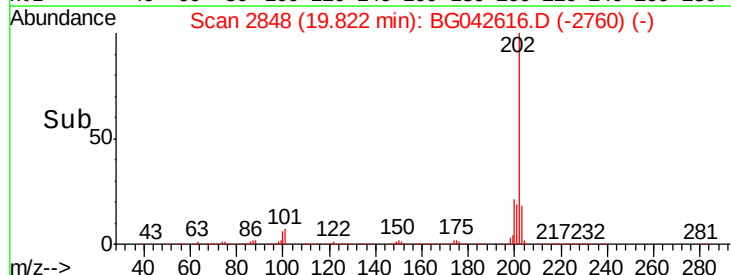
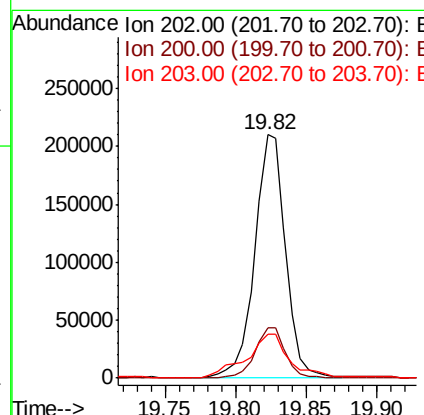
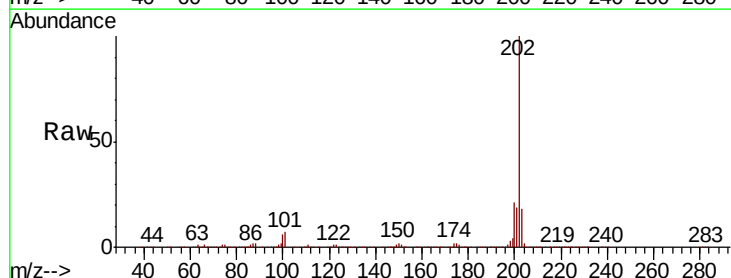
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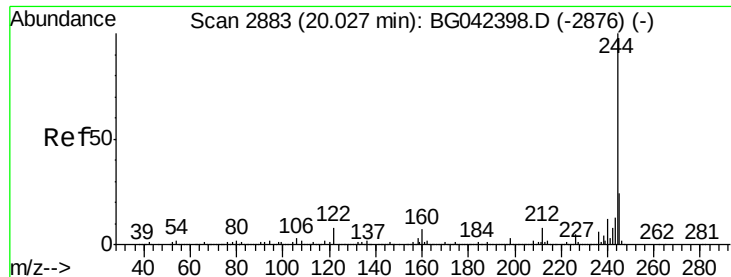
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#78
Pyrene
Concen: 22.827 ng
RT: 19.82 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BG042616.D
Acq: 31 Aug 2019 1:07

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.8	26.6
203	18.0	15.5	23.3





#79

Terphenyl-d14

Concen: 61.671 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG042616.D

Acq: 31 Aug 2019 1:07

Instrument :

BNA_G

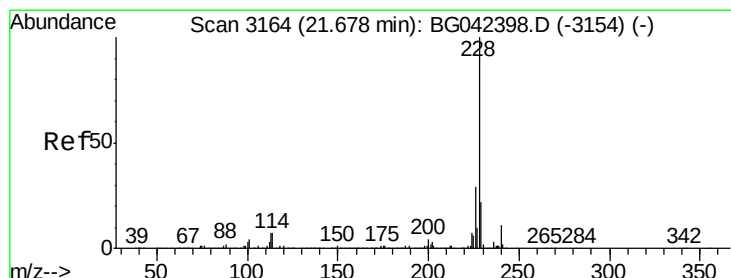
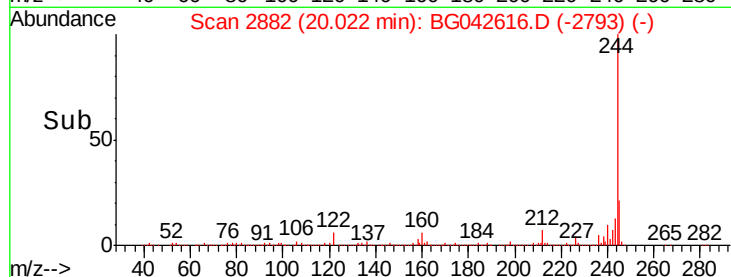
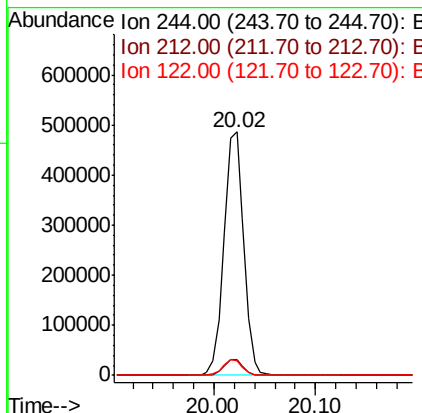
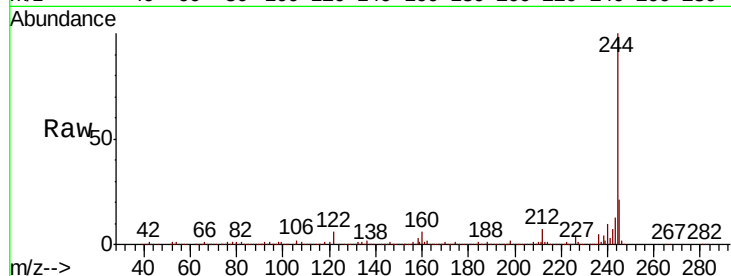
ClientSampleId :

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Tot Ion:	244	Resp:	654952
Ion Ratio		Lower	Upper
244	100		
212	6.5	6.0	9.0
122	6.0	6.7	10.1#

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#81

Benzo(a)anthracene

Concen: 11.942 ng

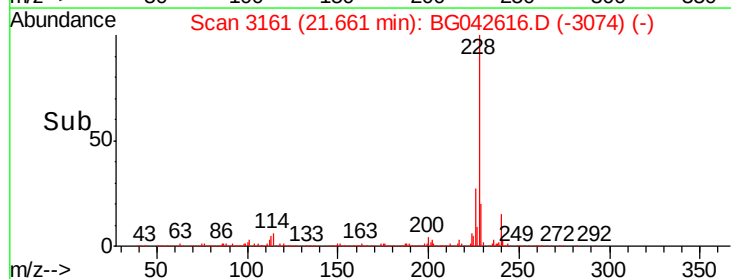
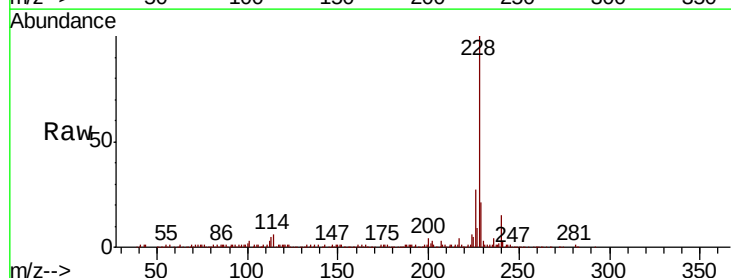
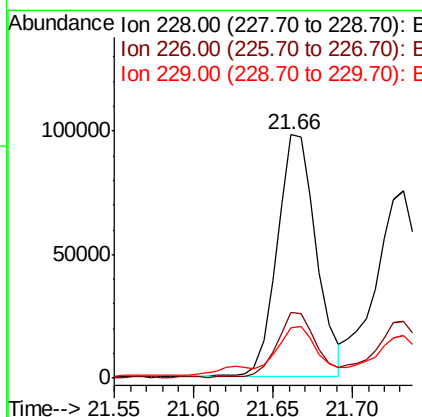
RT: 21.66 min Scan# 3161

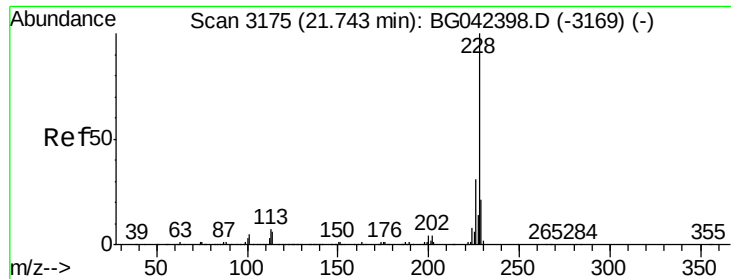
Delta R.T. -0.02 min

Lab File: BG042616.D

Acq: 31 Aug 2019 1:07

Tgt Ion:	228	Resp:	166794
Ion Ratio		Lower	Upper
228	100		
226	27.0	23.4	35.2
229	20.8	17.4	26.2





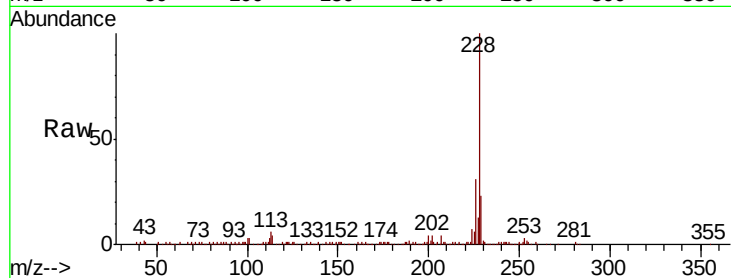
#83
Chrysene
Concen: 10.390 ng
RT: 21.73 min Scan# 3173
Delta R.T. -0.01 min
Lab File: BG042616.D
Acq: 31 Aug 2019 1:07

Instrument :
BNA_G
ClientSampled :
SB-4-12-14

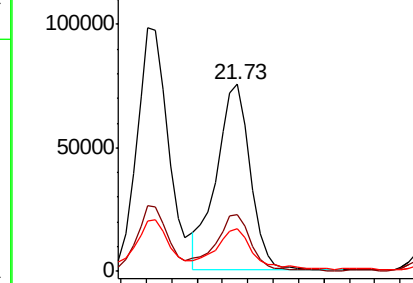
Tot Ion	Ratio	Resp	Lower	Upper
228	100	139949		
226	30.5		24.9	37.3
229	22.6		16.9	25.3

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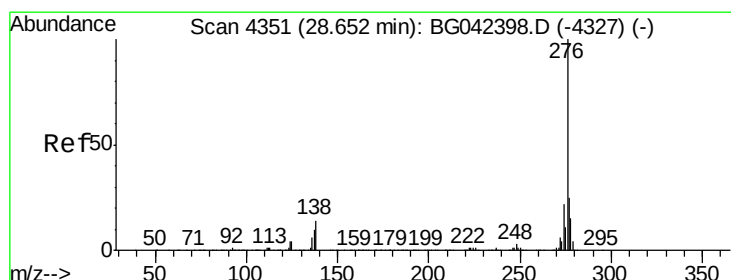
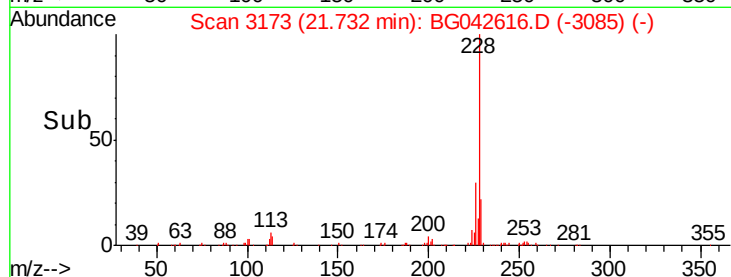
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



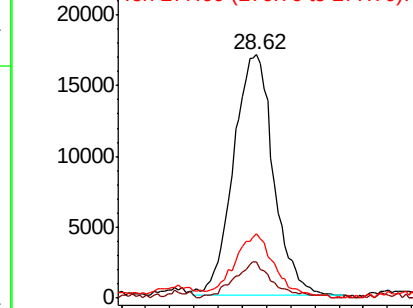
Time-->



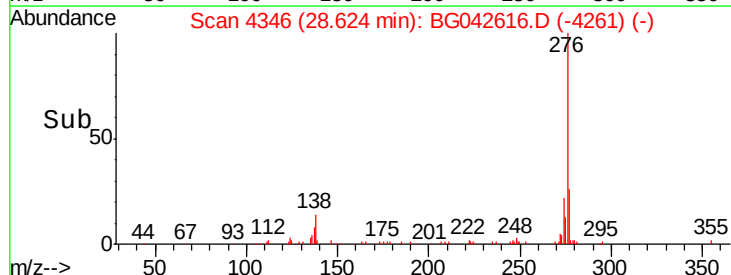
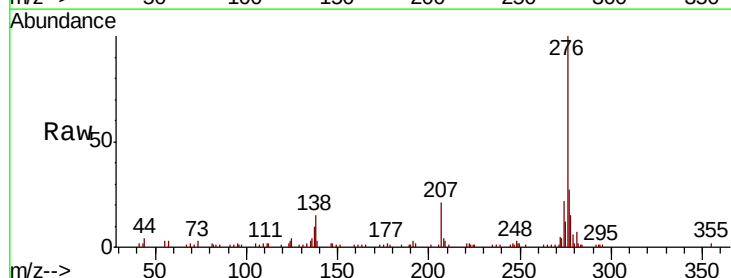
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.281 ng
RT: 28.62 min Scan# 4346
Delta R.T. -0.03 min
Lab File: BG042616.D
Acq: 31 Aug 2019 1:07

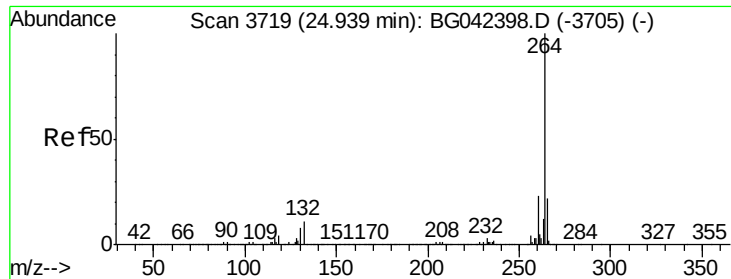
Tgt Ion	Ratio	Resp	Lower	Upper
276	100	78368		
138	14.7		9.2	13.8#
277	27.1		21.0	31.6

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



Time-->





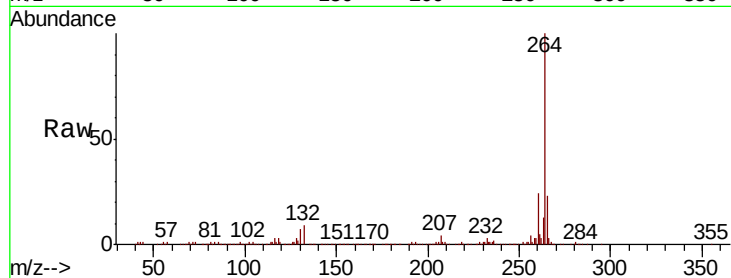
#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. -0.02 min
Lab File: BG042616.D
Acq: 31 Aug 2019 1:07

Instrument :
BNA_G
ClientSampled :
SB-4-12-14

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.5	27.7
265	22.9	17.6	26.4

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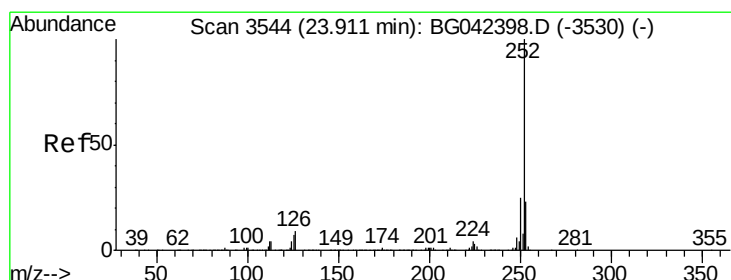
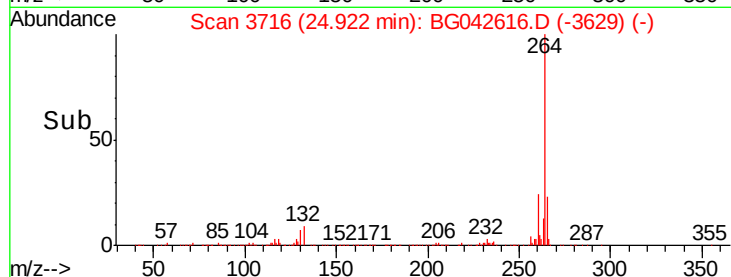
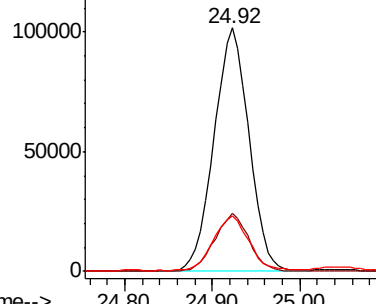


Abundance

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



#88
Benzo(b)fluoranthene
Concen: 10.783 ng
RT: 23.90 min Scan# 3542
Delta R.T. -0.01 min
Lab File: BG042616.D
Acq: 31 Aug 2019 1:07

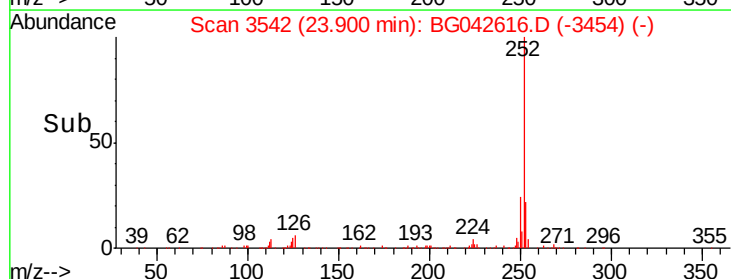
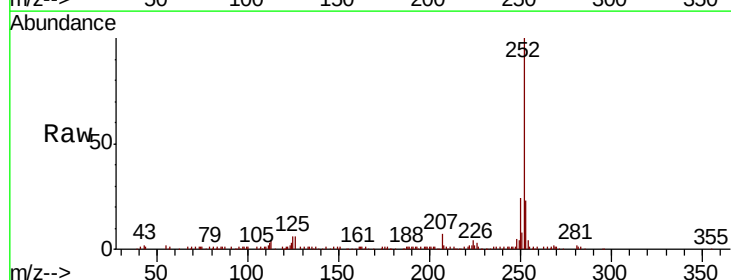
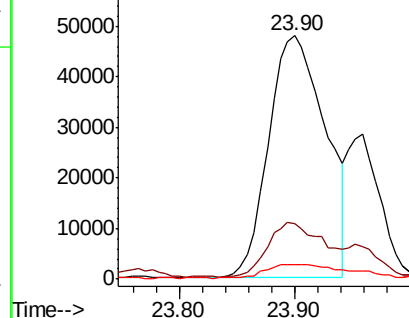
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.6	27.8
125	6.1	5.6	8.4

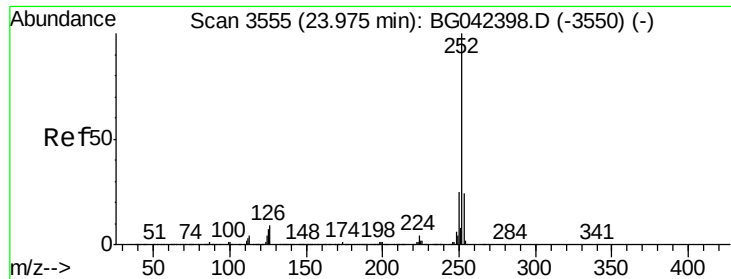
Abundance

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





#89

Benzo(k)fluoranthene

Concen: 3.843 ng m

RT: 23.96 min Scan# 3552

Delta R.T. -0.02 min

Lab File: BG042616.D

Acq: 31 Aug 2019 1:07

Instrument :

BNA_G

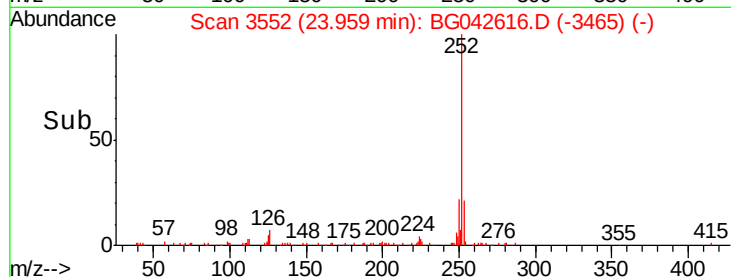
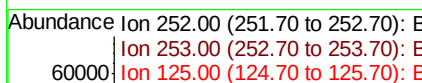
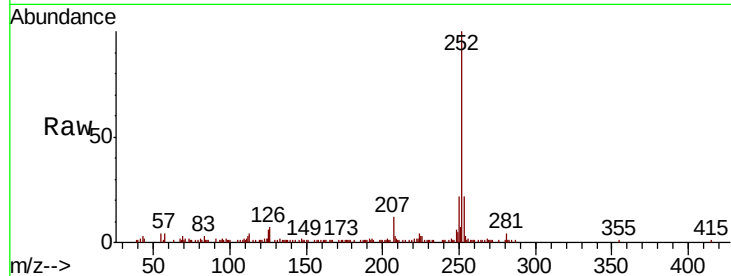
ClientSampleId :

SB-4-12-14

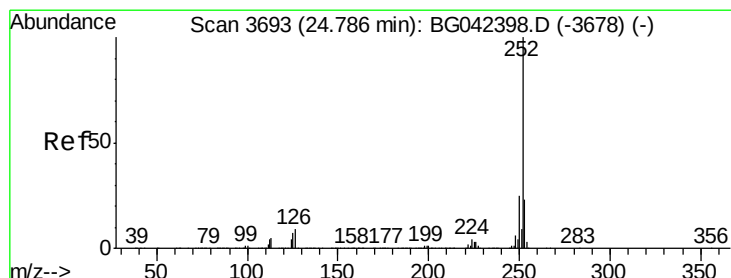
Tot Ion:	252	Resp:	56151
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.6	27.8
125	5.7	5.8	8.6#

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Time-->



#90

Benzo(a)pyrene

Concen: 10.364 ng m

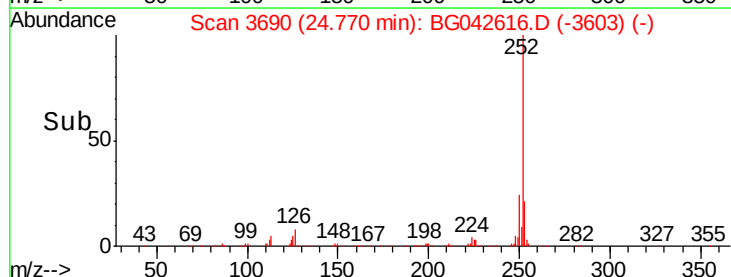
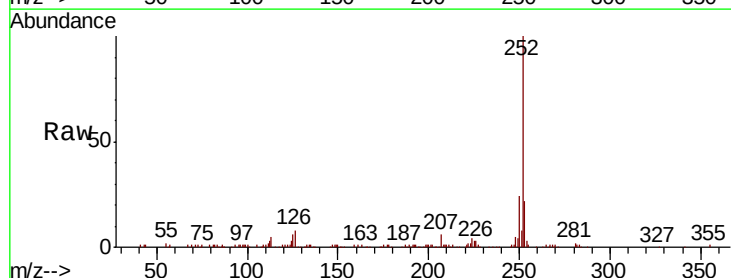
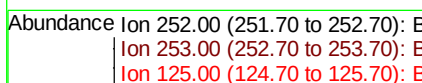
RT: 24.77 min Scan# 3690

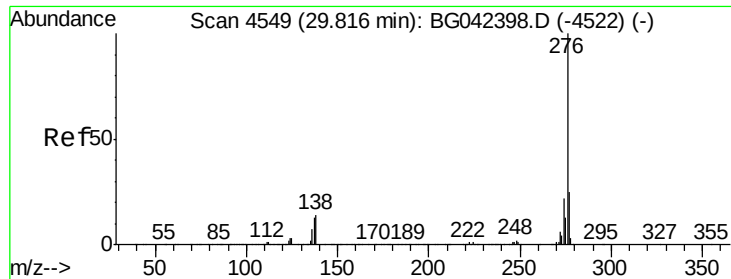
Delta R.T. -0.02 min

Lab File: BG042616.D

Acq: 31 Aug 2019 1:07

Tgt Ion:	252	Resp:	149483
Ion Ratio	Lower	Upper	
252	100		
253	22.1	18.4	27.6
125	5.5	6.0	9.0#





#92
 Benzo(a,h,i)perylene
 Concen: 5.426 ng
 RT: 29.76 min Scan# 4540
 Delta R.T. -0.05 min
 Lab File: BG042616.D
 Acq: 31 Aug 2019 1:07

Instrument :
 BNA_G
 ClientSampleId :
 SB-4-12-14

Tot Ion:	276	Resp:	79251
Ion Ratio	Lower	Upper	
276	100		
277	21.5	19.8	29.8
138	12.0	11.4	17.0

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