

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082919\
 Data File : BG042588.D
 Acq On : 30 Aug 2019 5:48
 Operator : HP/JU
 Sample : K4582-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT-3422

Manual Integrations
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Jagrut
 8/30/2019 7:58:27 PM

Quant Time: Aug 30 06:47:43 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	35285	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	139185	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	104384	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	242200	20.00	ng	0.00
76) Chrysene-d12	21.69	240	252028	20.00	ng	0.00
87) Perylene-d12	24.92	264	299330	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	160935	92.37	ng	0.00
7) Phenol-d6	7.16	99	216738	92.10	ng	0.00
23) Nitrobenzene-d5	9.17	82	123714	61.42	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	136005	91.67	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	395617	64.10	ng	0.00
79) Terphenyl-d14	20.02	244	708251	60.75	ng	0.00
Target Compounds						
10) Phenol	7.19	94	11458	4.789	ng	79
50) Dimethylphthalate	14.11	163	42738	5.674	ng	100
71) Phenanthrene	17.45	178	159728	13.277	ng	99
75) Fluoranthene	19.47	202	220986	15.051	ng	96
78) Pyrene	19.82	202	259861	16.818	ng	96
81) Benzo(a)anthracene	21.66	228	104256	6.800	ng	96
83) Chrysene	21.73	228	120440	8.146	ng	99
86) Indeno(1,2,3-cd)pyrene	28.62	276	71544	3.561	ng	# 97
88) Benzo(b)fluoranthene	23.90	252	145447	8.839	ng	97
89) Benzo(k)fluoranthene	23.96	252	38530m	2.436	ng	
90) Benzo(a)pyrene	24.77	252	112649m	7.214	ng	
92) Benzo(a,h,i)perylene	29.77	276	76821	4.858	ng	98

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

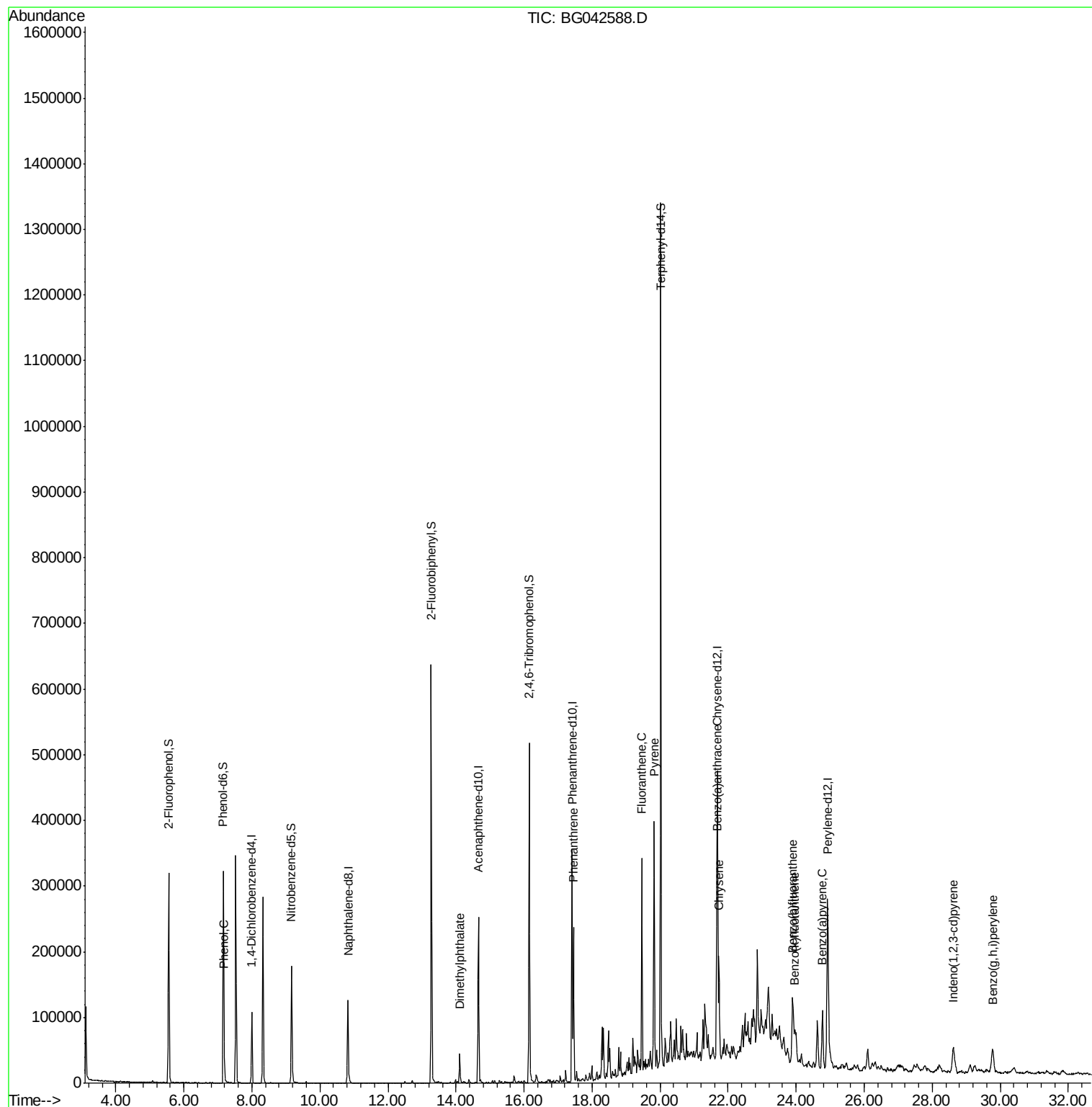
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082919\
Data File : BG042588.D
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ALS Vial : 19 Sample Multiplier: 1

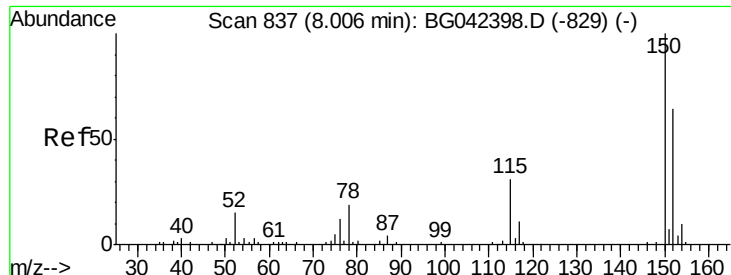
Instrument :
BNA_G
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RT-3422

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

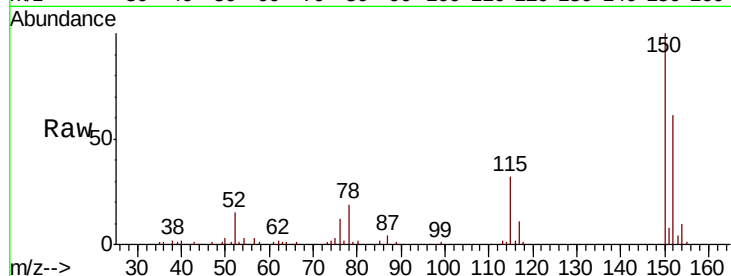
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042588.D
Acq: 30 Aug 2019 5:48

Instrument :
BNA_G
ClientSampleId :
RT-3422

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.7	125.4	188.0
115	52.9	38.5	57.7

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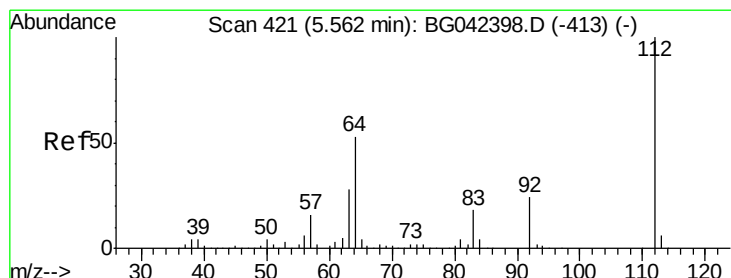
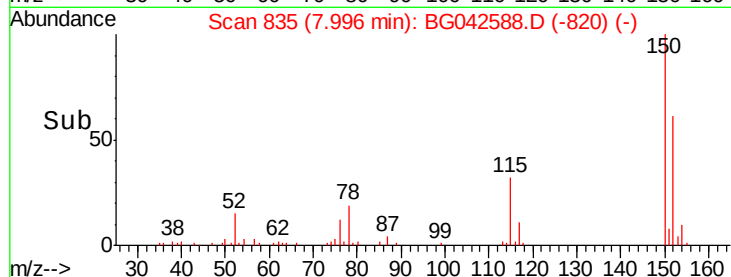
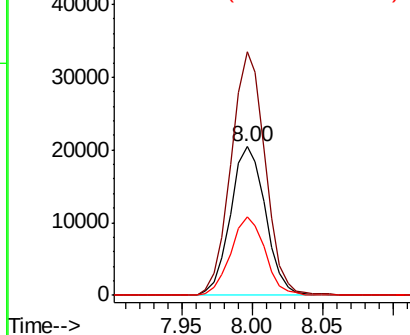


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

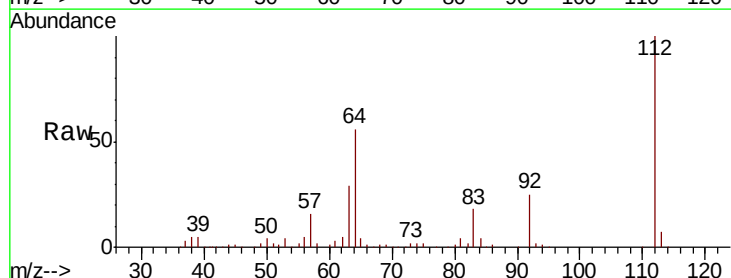
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 92.374 ng
RT: 5.55 min Scan# 419
Delta R.T. -0.01 min
Lab File: BG042588.D
Acq: 30 Aug 2019 5:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	42.8	64.2
63	29.0	22.7	34.1

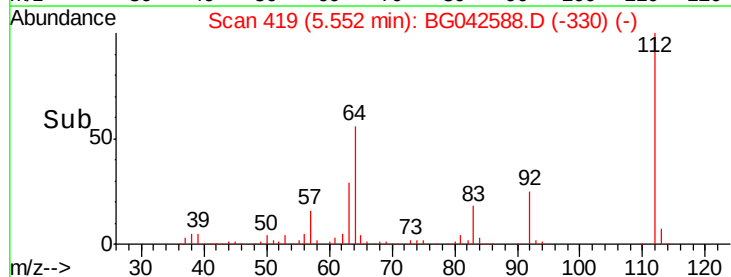
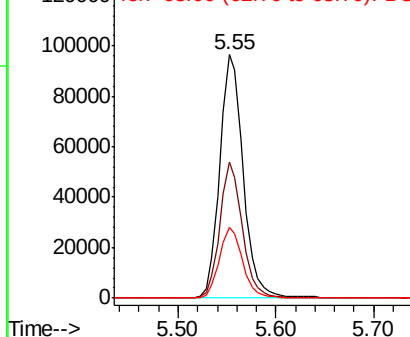


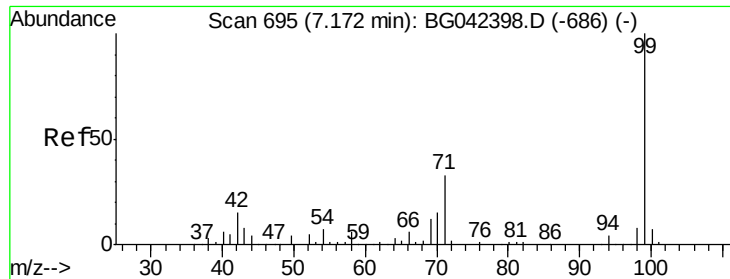
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 92.098 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042588.D

Acq: 30 Aug 2019 5:48

Instrument :

BNA_G

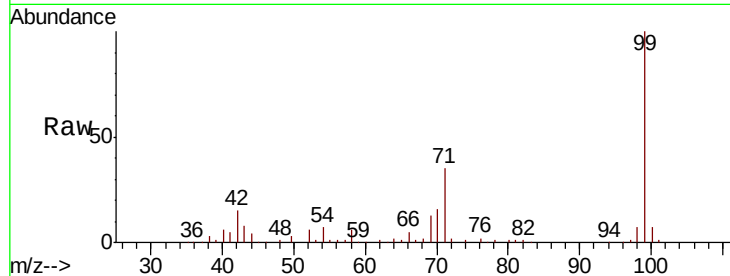
ClientSampleId :

RT-3422

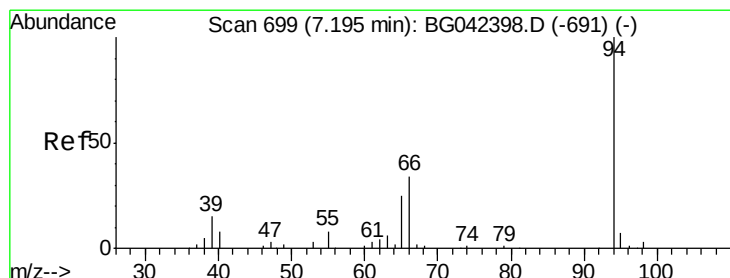
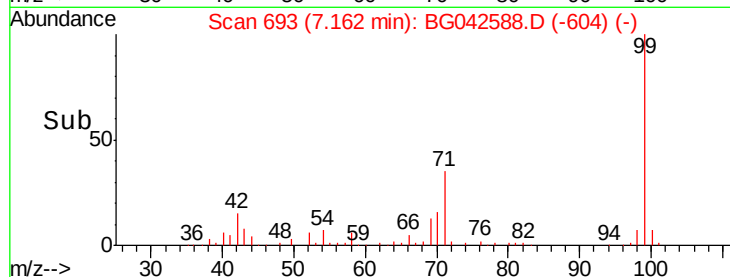
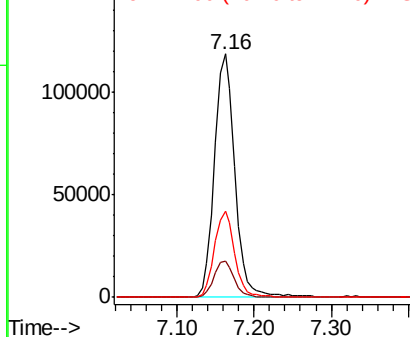
Tot Ion:	99	Resp:	216738
Ion Ratio	Lower	Upper	
99	100		
42	14.7	12.0	18.0
71	35.5	26.3	39.5

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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: 4.789 ng

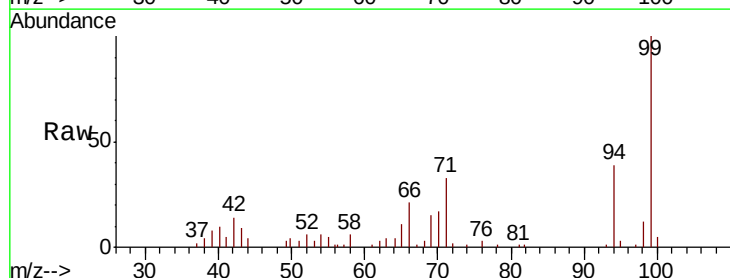
RT: 7.19 min Scan# 697

Delta R.T. -0.01 min

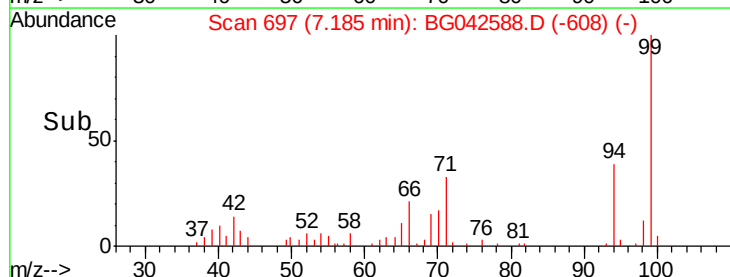
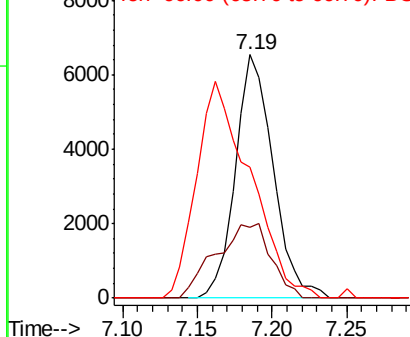
Lab File: BG042588.D

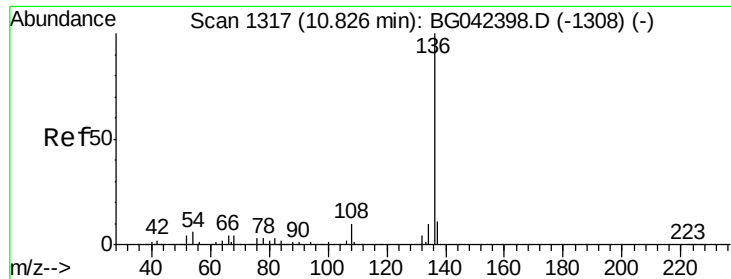
Acq: 30 Aug 2019 5:48

Tgt Ion:	94	Resp:	11458
Ion Ratio	Lower	Upper	
94	100		
65	28.9	5.6	45.6
66	53.9	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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1316

Delta R.T. -0.00 min

Lab File: BG042588.D

Acq: 30 Aug 2019 5:48

Instrument :

BNA_G

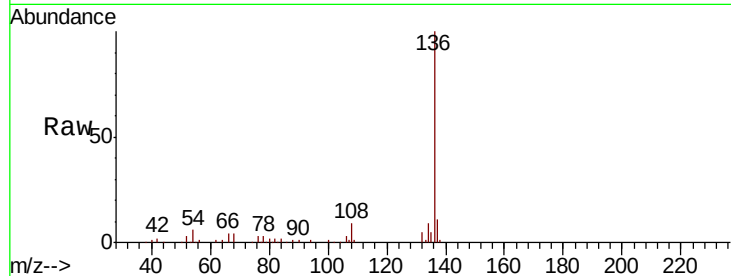
ClientSampled :

RT-3422

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		139185		
137	11.5	8.7	13.1		
54	6.2	4.9	7.3		
68	3.7	3.6	5.4		

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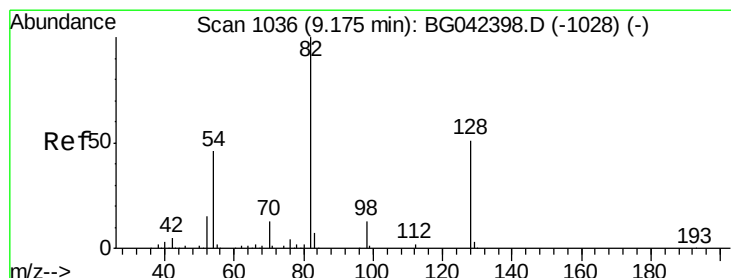
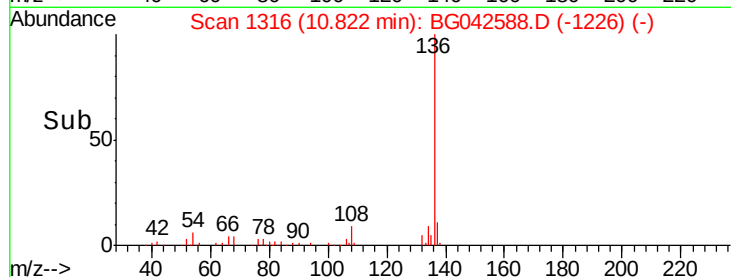
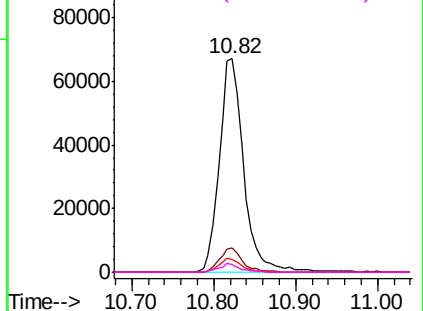
Abundance

Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 61.423 ng

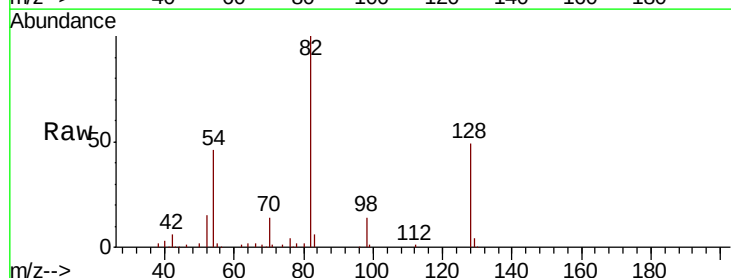
RT: 9.17 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BG042588.D

Acq: 30 Aug 2019 5:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		123714		
128	48.7	40.7	61.1		
54	46.5	36.3	54.5		

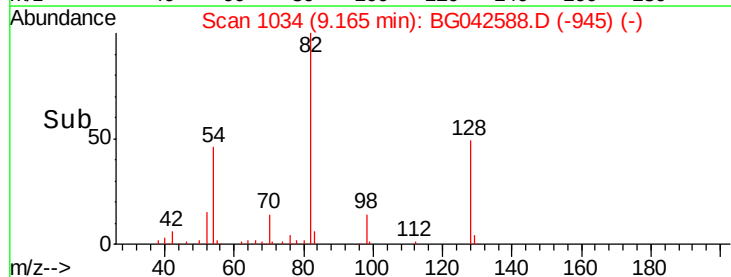
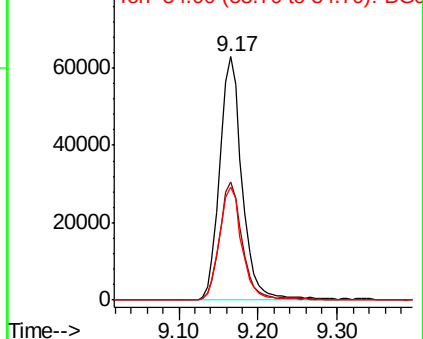


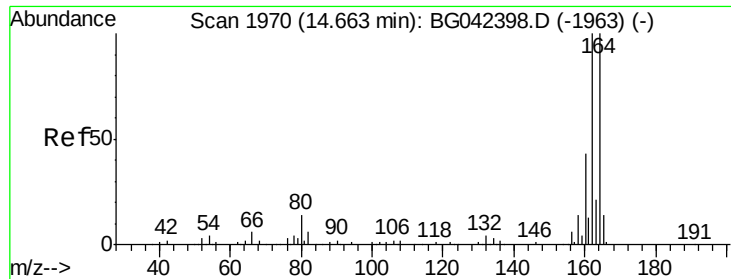
Abundance

Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC





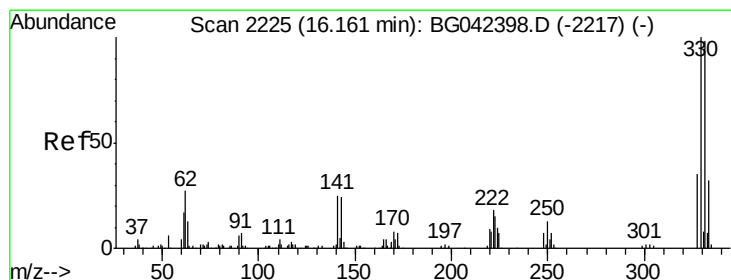
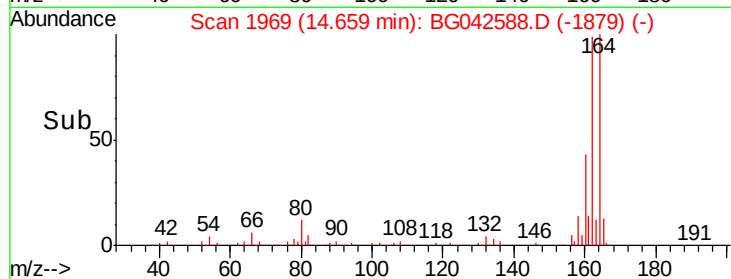
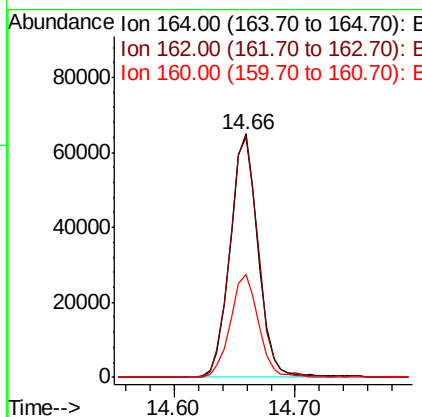
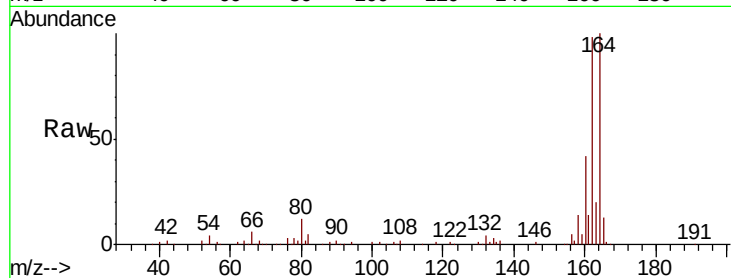
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG042588.D
Acq: 30 Aug 2019 5:48

Instrument :
BNA_G
ClientSampleId :
RT-3422

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.4	79.9	119.9
160	42.5	34.3	51.5

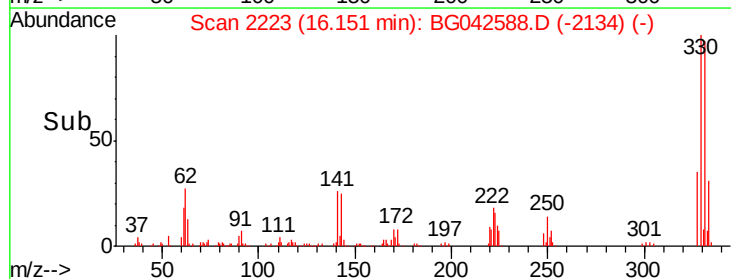
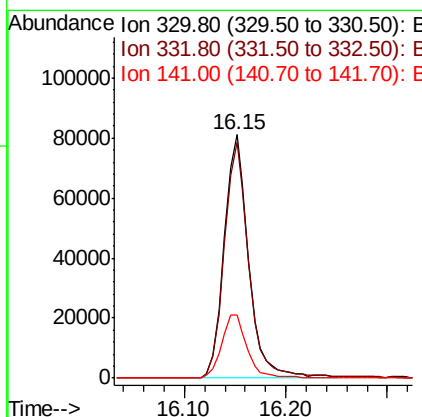
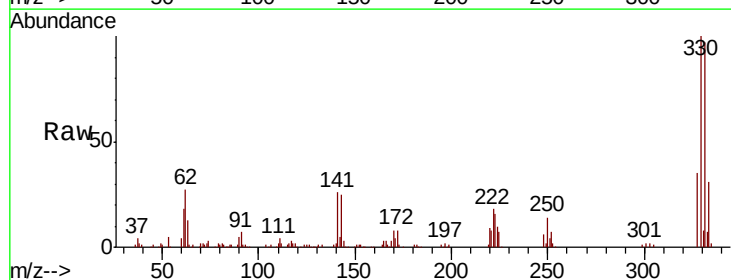
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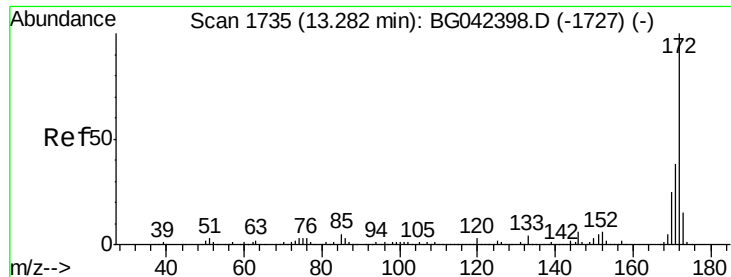
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#42
2,4,6-Tribromophenol
Concen: 91.669 ng
RT: 16.15 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BG042588.D
Acq: 30 Aug 2019 5:48

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.4	116.0
141	27.1	21.4	32.0





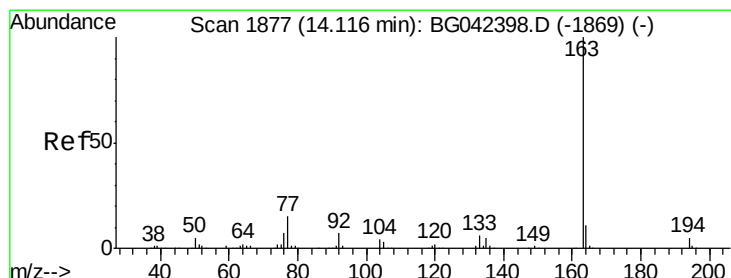
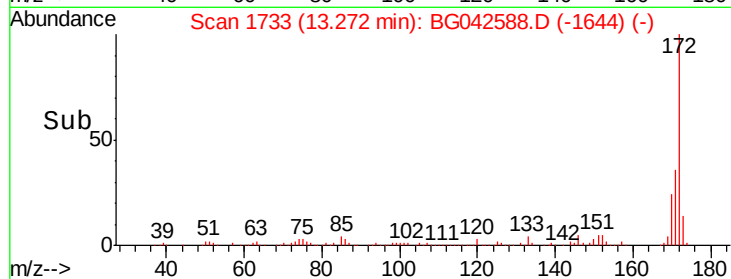
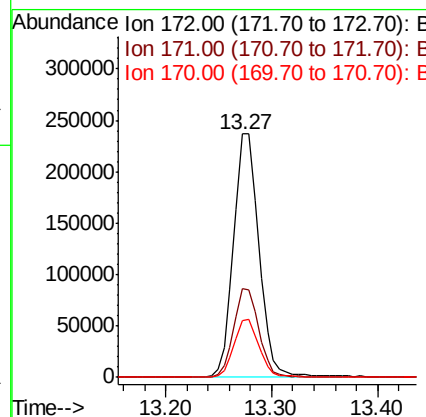
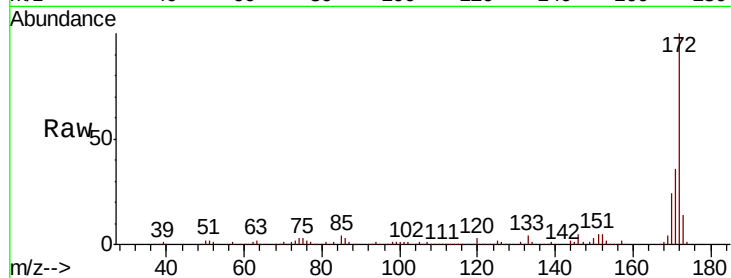
#45
2-Fluorobiphenyl
Concen: 64.100 ng
RT: 13.27 min Scan# 1733
Delta R.T. -0.01 min
Lab File: BG042588.D
Acq: 30 Aug 2019 5:48

Instrument :
BNA_G
ClientSampleId :
RT-3422

Tot Ion	Ratio	Resp	Lower	Upper
172	100	395617		
171	36.2		30.5	45.7
170	23.5		20.2	30.2

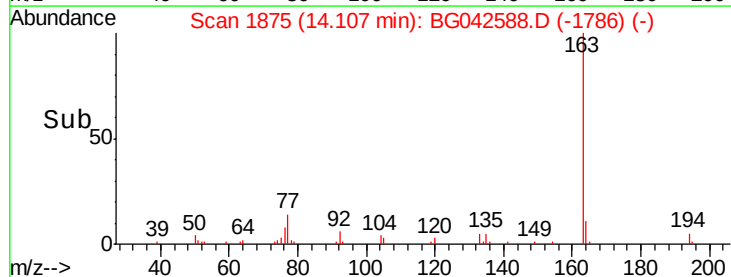
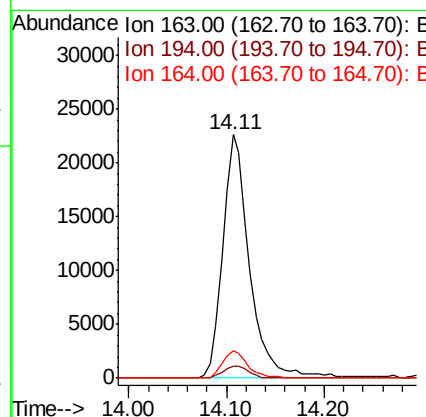
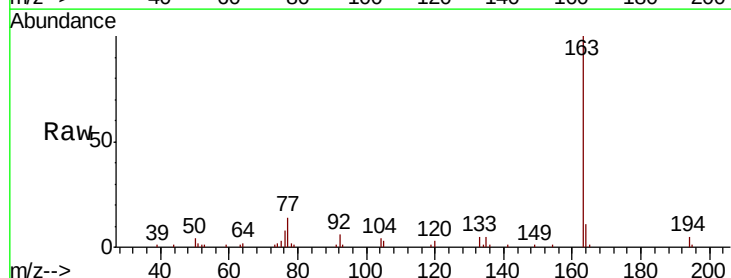
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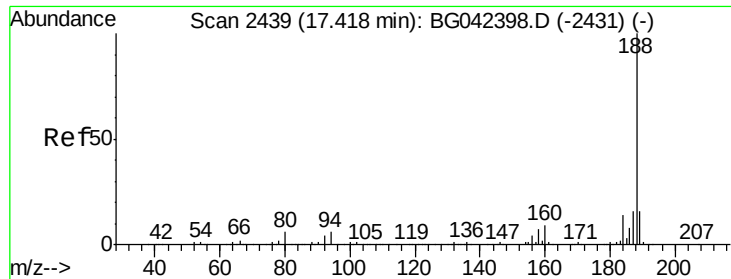
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#50
Dimethylphthalate
Concen: 5.674 ng
RT: 14.11 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG042588.D
Acq: 30 Aug 2019 5:48

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	42738		
194	5.0		4.2	6.2
164	11.0		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: BG042588.D

Acq: 30 Aug 2019 5:48

Instrument :

BNA_G

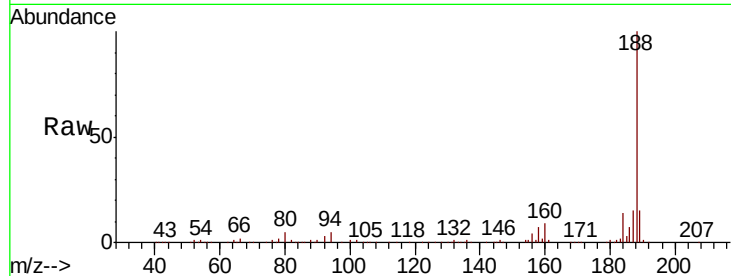
ClientSampleId :

RT-3422

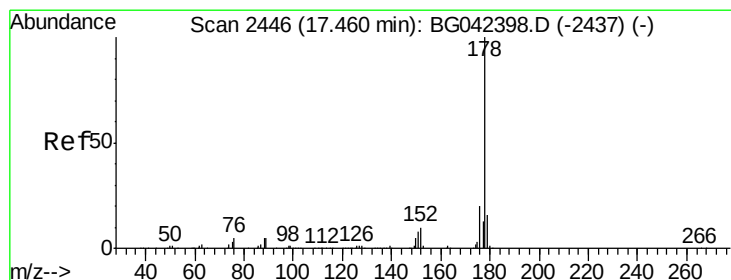
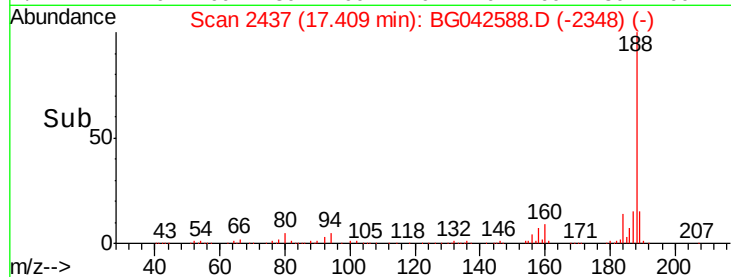
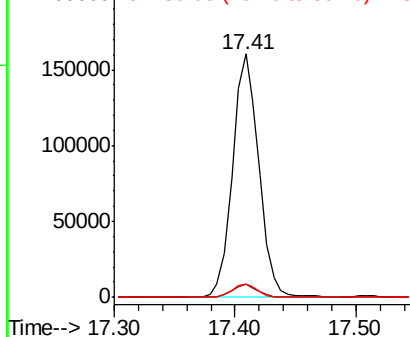
Tot Ion	188	Resp	242200
Ion Ratio	Lower	Upper	
188	100		
94	5.2	4.5	6.7
80	5.2	4.9	7.3

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Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGO
Ion 80.00 (79.70 to 80.70): BGO



#71

Phenanthrene

Concen: 13.277 ng

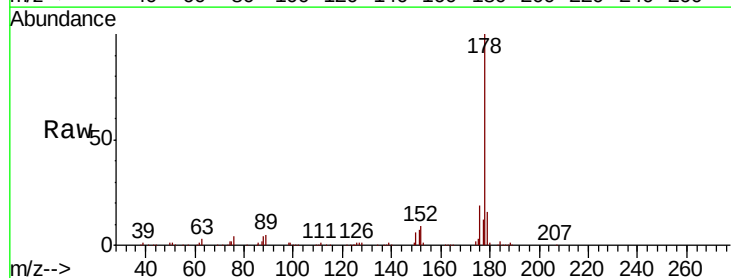
RT: 17.45 min Scan# 2444

Delta R.T. -0.01 min

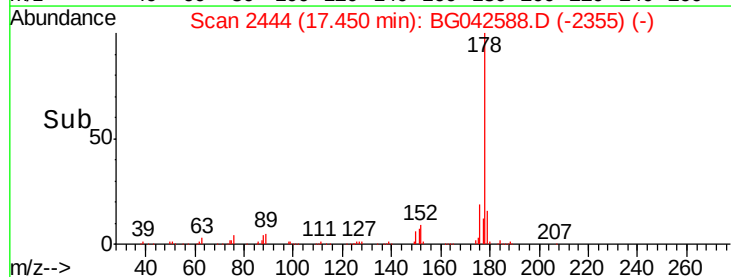
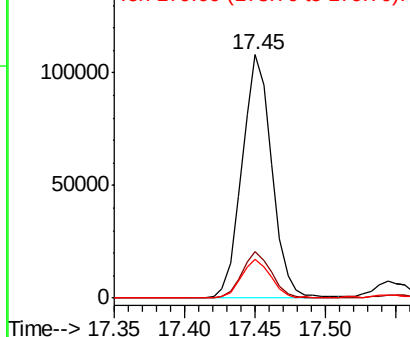
Lab File: BG042588.D

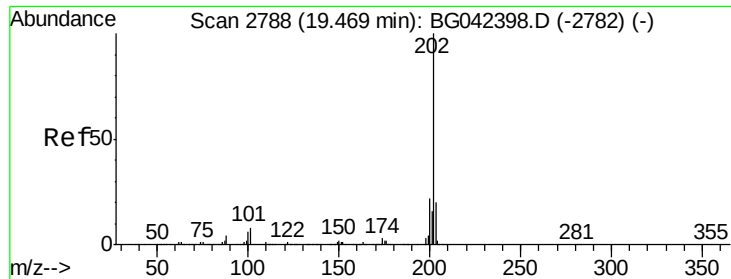
Acq: 30 Aug 2019 5:48

Tgt Ion	178	Resp	159728
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.9	23.9
179	15.7	12.7	19.1



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





#75

Fluoranthene

Concen: 15.051 ng

RT: 19.47 min Scan# 2787

Delta R.T. -0.00 min

Lab File: BG042588.D

Acq: 30 Aug 2019 5:48

Instrument :

BNA_G

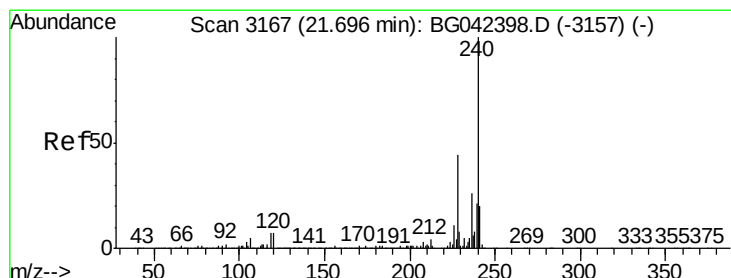
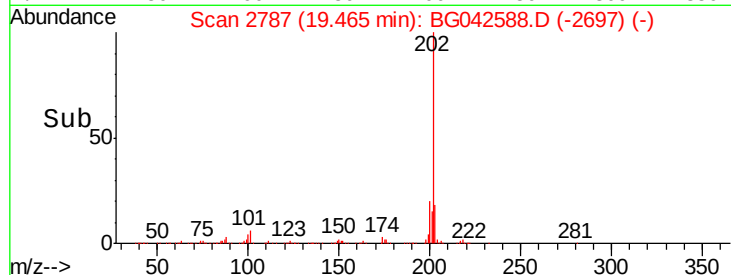
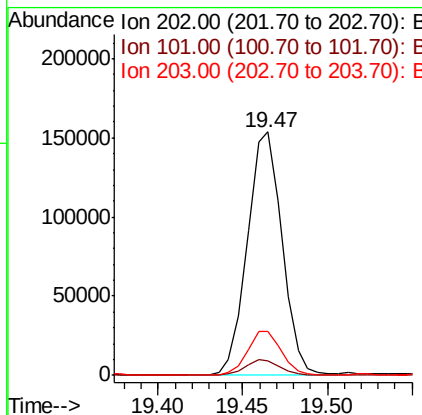
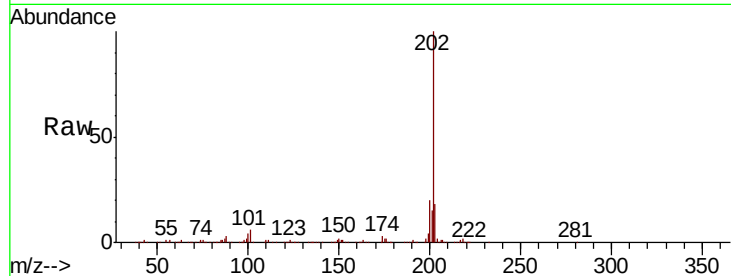
ClientSampleId :

RT-3422

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		220986		
101	5.8	0.0	28.3		
203	18.1	0.0	39.6		

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#76

Chrysene-d12

Concen: 20.000 ng

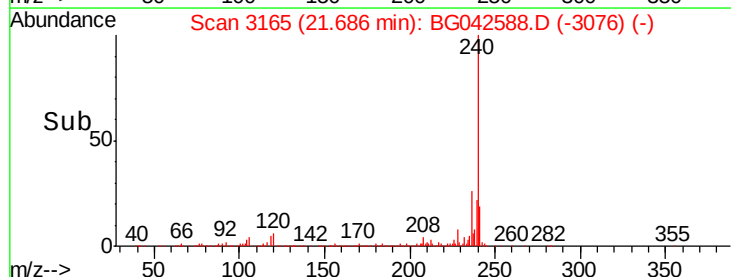
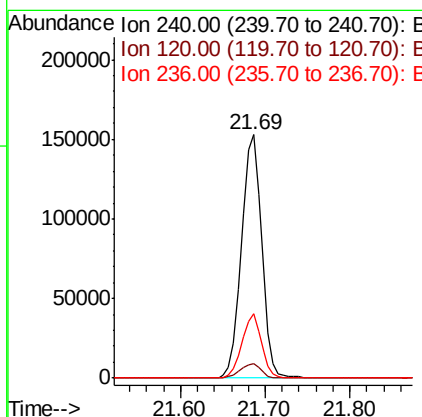
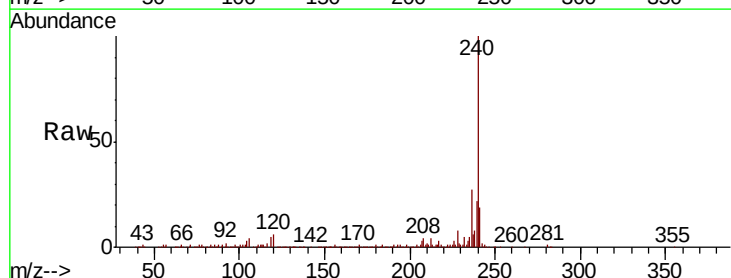
RT: 21.69 min Scan# 3165

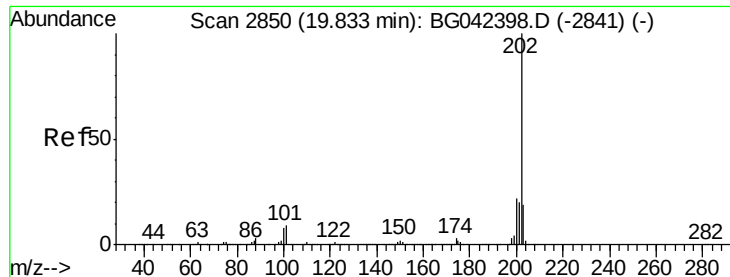
Delta R.T. -0.01 min

Lab File: BG042588.D

Acq: 30 Aug 2019 5:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		252028		
120	5.9	5.7	8.5		
236	26.6	21.0	31.4		





#78

Pvrene

Concen: 16.818 ng

RT: 19.82 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG042588.D

Acq: 30 Aug 2019 5:48

Instrument :

BNA_G

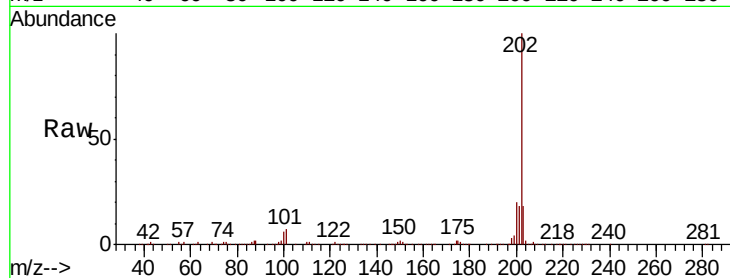
ClientSampled :

RT-3422

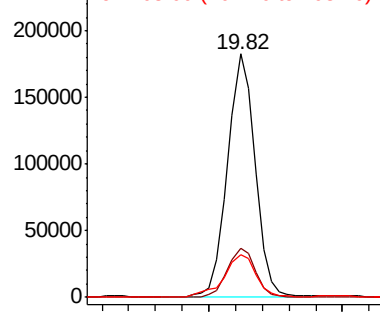
Tot Ion:	202	Resp:	259861
Ion Ratio		Lower	Upper
202	100		
200	20.4	17.8	26.6
203	17.6	15.5	23.3

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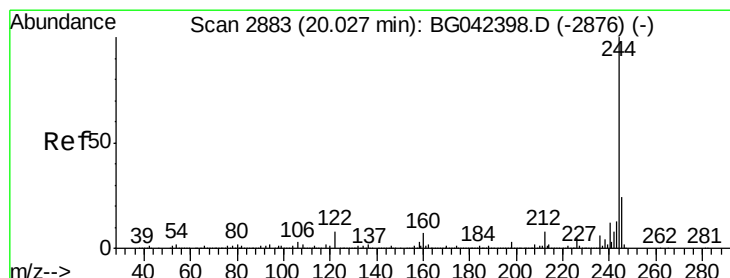
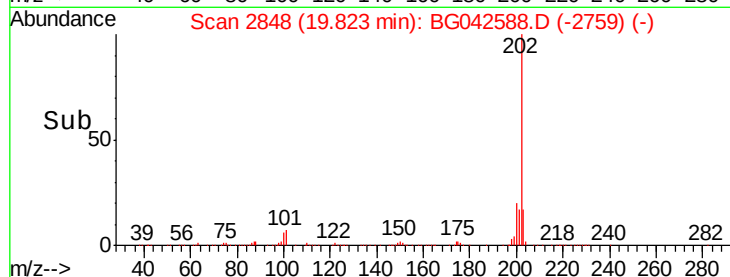
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#79

Terphenyl-d14

Concen: 60.754 ng

RT: 20.02 min Scan# 2882

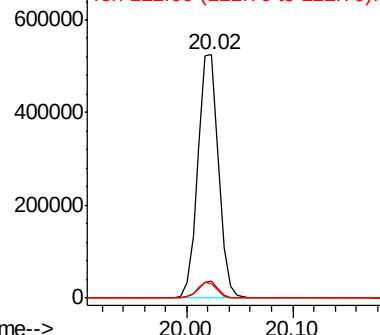
Delta R.T. -0.00 min

Lab File: BG042588.D

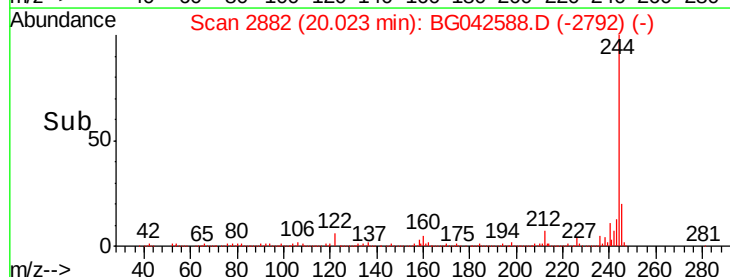
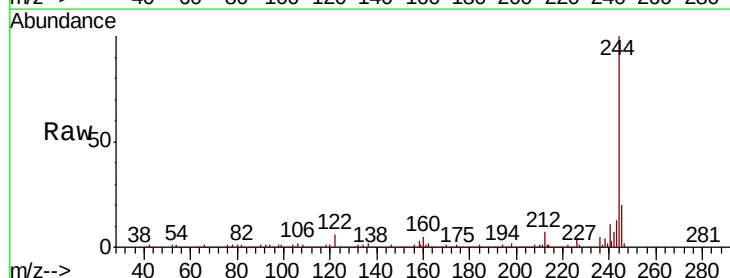
Acq: 30 Aug 2019 5:48

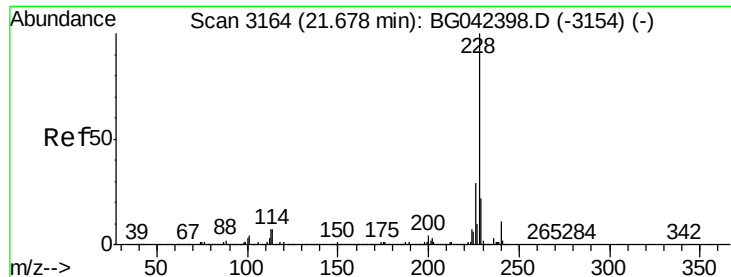
Tgt Ion:	244	Resp:	708251
Ion Ratio		Lower	Upper
244	100		
212	6.9	6.0	9.0
122	6.2	6.7	10.1#

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->





#81

Benzo(a)anthracene

Concen: 6.800 ng

RT: 21.66 min Scan# 3161

Delta R.T. -0.02 min

Lab File: BG042588.D

Acq: 30 Aug 2019 5:48

Instrument :

BNA_G

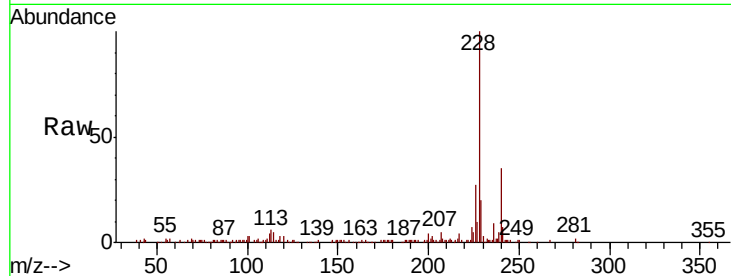
ClientSampleId :

RT-3422

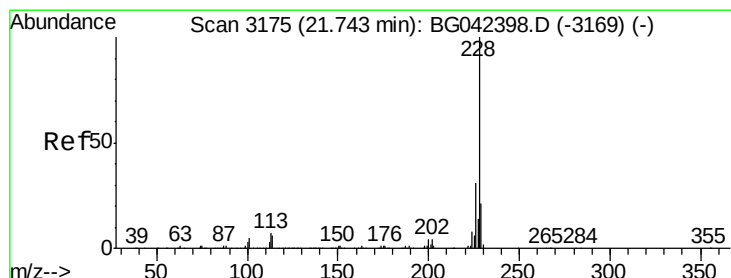
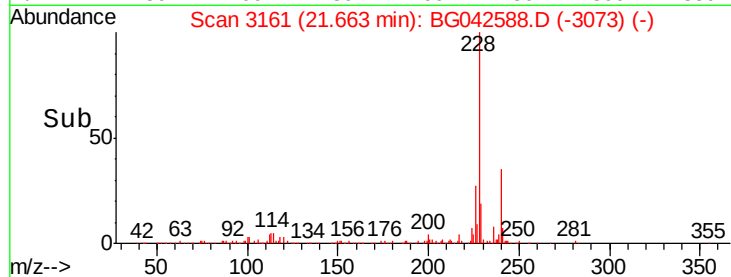
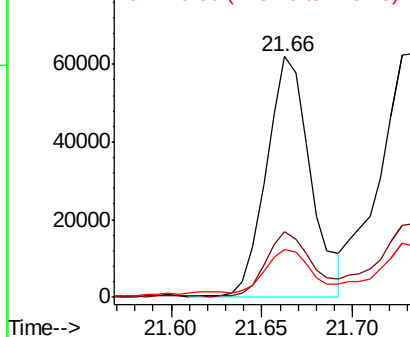
Tot Ion:	228	Resp:	104256
Ion Ratio	Lower	Upper	
228	100		
226	27.4	23.4	35.2
229	19.8	17.4	26.2

Manual Integrations
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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



#83

Chrysene

Concen: 8.146 ng

RT: 21.73 min Scan# 3173

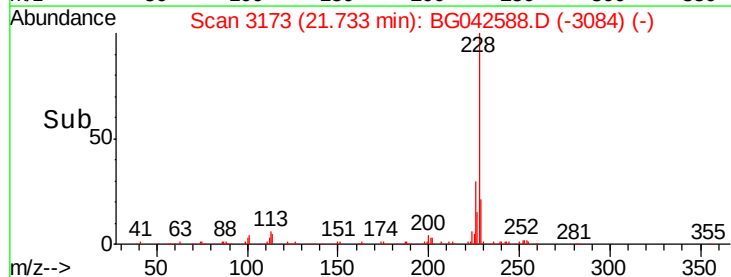
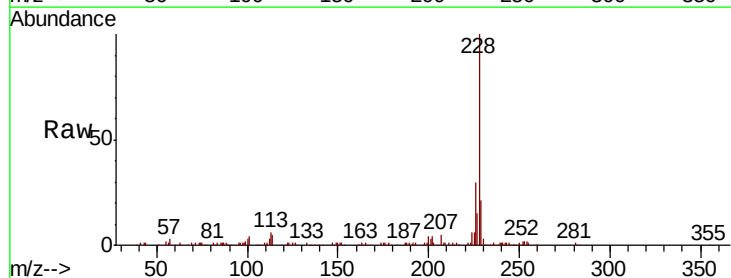
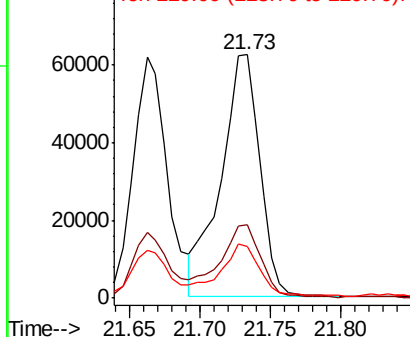
Delta R.T. -0.01 min

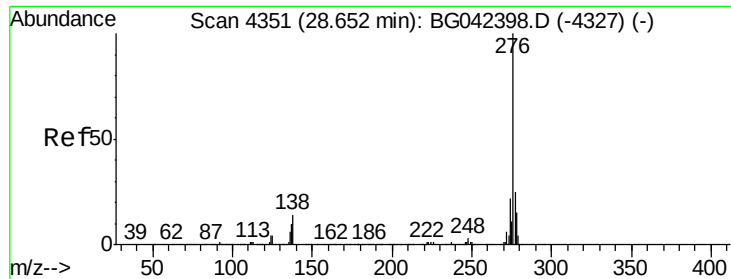
Lab File: BG042588.D

Acq: 30 Aug 2019 5:48

Tgt Ion:	228	Resp:	120440
Ion Ratio	Lower	Upper	
228	100		
226	29.9	24.9	37.3
229	21.0	16.9	25.3

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





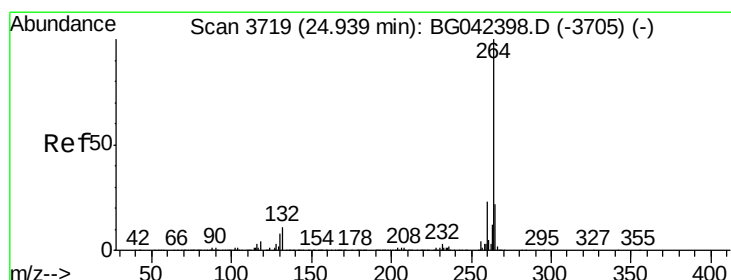
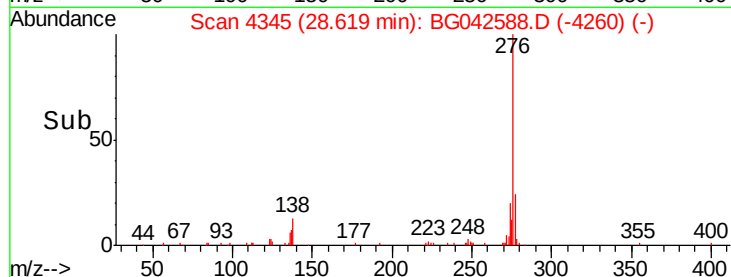
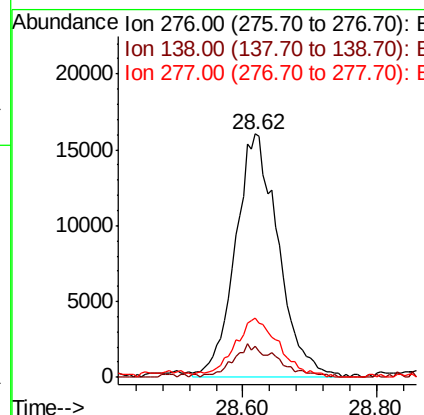
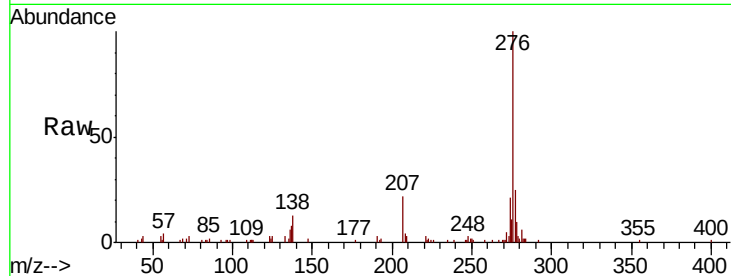
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.561 ng
RT: 28.62 min Scan# 4345
Delta R.T. -0.03 min
Lab File: BG042588.D
Acq: 30 Aug 2019 5:48

Instrument :
BNA_G
ClientSampleId :
RT-3422

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.0	9.2	13.8#
277	25.7	21.0	31.6

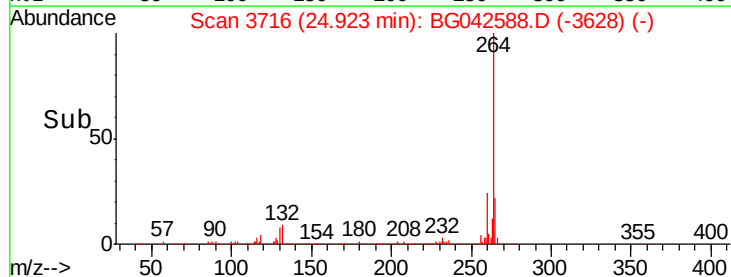
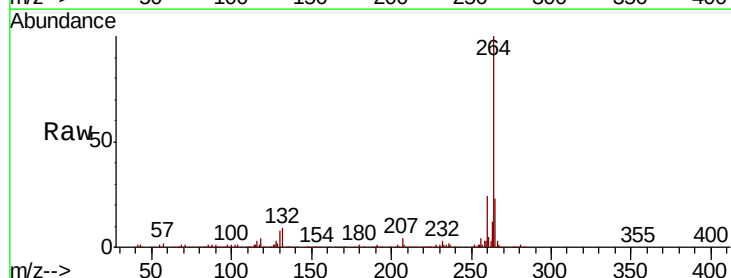
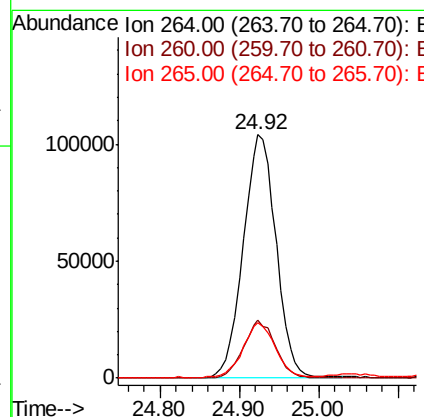
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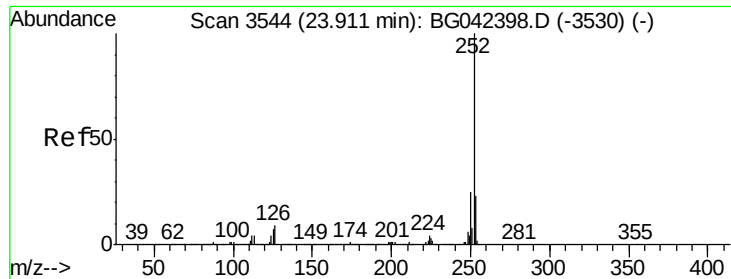
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#87
Perylene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. -0.02 min
Lab File: BG042588.D
Acq: 30 Aug 2019 5:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.5	27.7
265	22.6	17.6	26.4





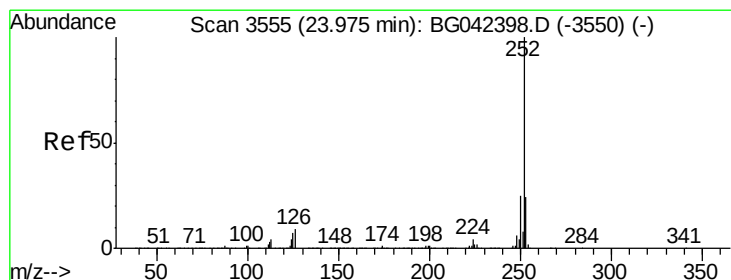
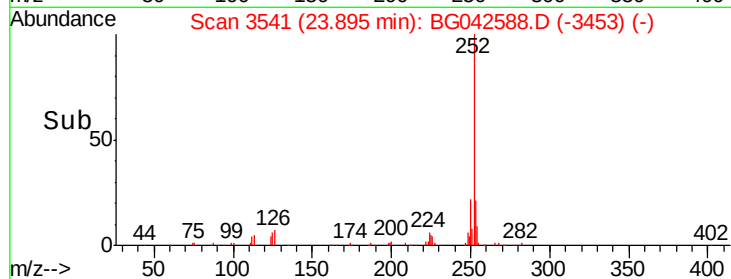
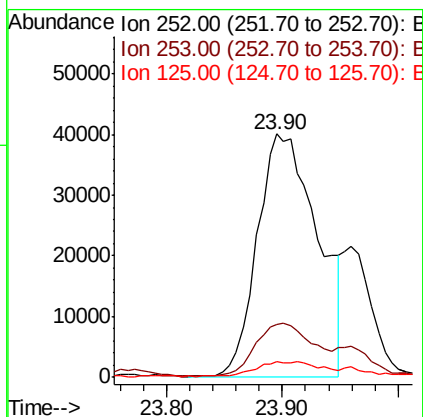
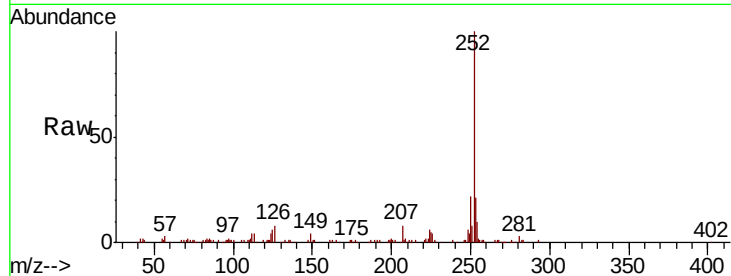
#88
Benzo(b)fluoranthene
Concen: 8.839 ng
RT: 23.90 min Scan# 3541
Delta R.T. -0.02 min
Lab File: BG042588.D
Acq: 30 Aug 2019 5:48

Instrument :
BNA_G
ClientSampled :
RT-3422

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.6	27.8
125	6.4	5.6	8.4

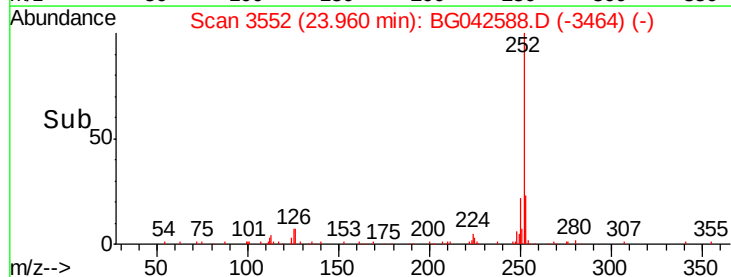
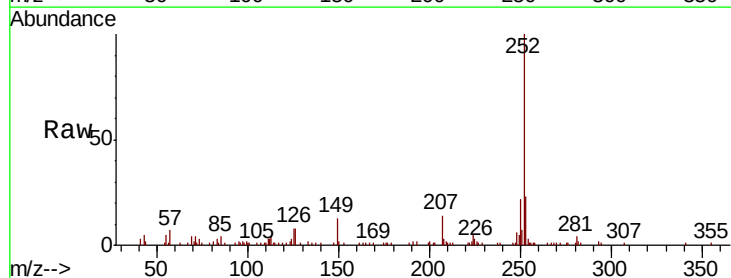
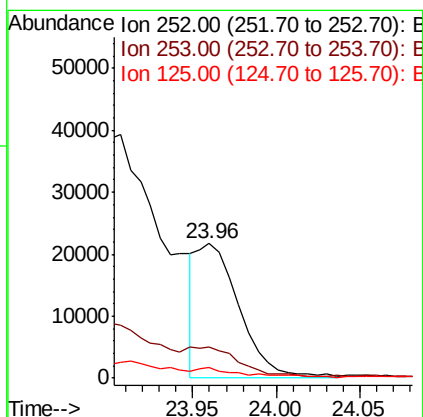
Manual Integrations
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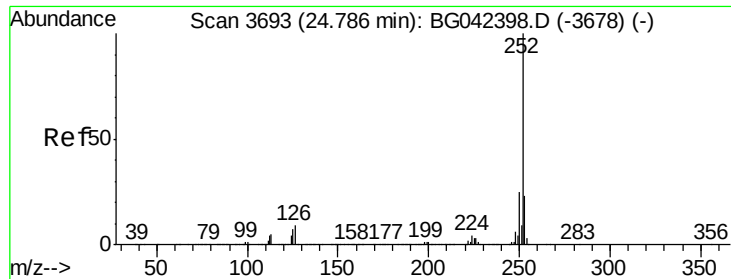
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#89
Benzo(k)fluoranthene
Concen: 2.436 ng m
RT: 23.96 min Scan# 3552
Delta R.T. -0.02 min
Lab File: BG042588.D
Acq: 30 Aug 2019 5:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.6	27.8
125	7.7	5.8	8.6





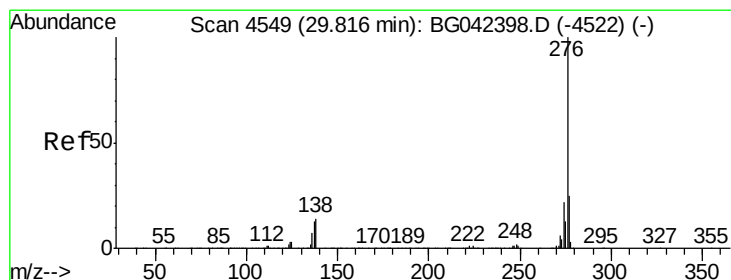
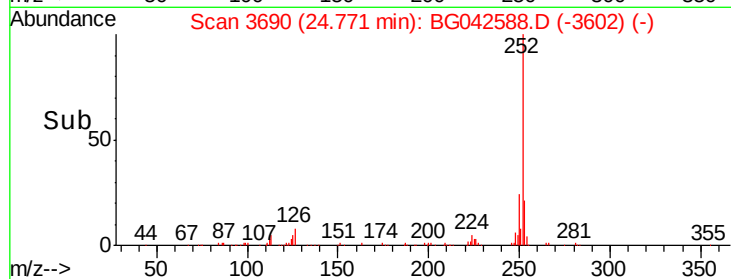
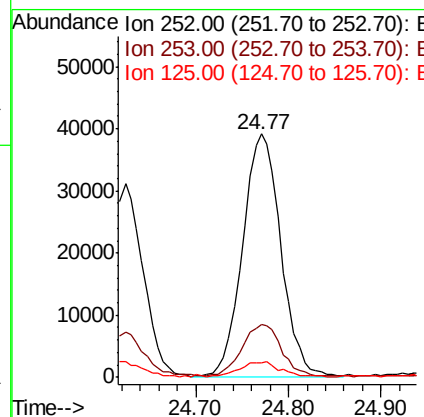
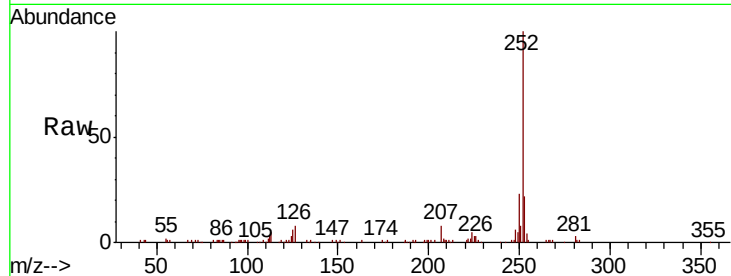
#90
Benzo(a)pyrene
Concen: 7.214 ng/mL
RT: 24.77 min Scan# 3690
Delta R.T. -0.02 min
Lab File: BG042588.D
Acq: 30 Aug 2019 5:48

Instrument :
BNA_G
ClientSampled :
RT-3422

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.4	27.6
125	5.9	6.0	9.0

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 4.858 ng/mL
RT: 29.77 min Scan# 4541
Delta R.T. -0.05 min
Lab File: BG042588.D
Acq: 30 Aug 2019 5:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.8	29.8
138	11.9	11.4	17.0

