

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111419\
 Data File : BG043643.D
 Acq On : 14 Nov 2019 21:06
 Operator : JU
 Sample : K5813-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-B

Manual Integrations
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mohammad
 11/15/2019 6:00:43 PM

Quant Time: Nov 15 03:10:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	38993	20.00	ng	-0.01
21) Naphthalene-d8	10.80	136	150958	20.00	ng	-0.01
39) Acenaphthene-d10	14.63	164	104597	20.00	ng	-0.01
64) Phenanthrene-d10	17.37	188	237189	20.00	ng	-0.02
76) Chrysene-d12	21.64	240	257158	20.00	ng	-0.02
87) Perylene-d12	24.82	264	309031	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	202358	95.10	ng	0.00
7) Phenol-d6	7.20	99	281103	91.82	ng	0.00
23) Nitrobenzene-d5	9.16	82	168743	57.63	ng	-0.02
42) 2,4,6-Tribromophenol	16.12	330	148195	74.45	ng	-0.01
45) 2-Fluorobiphenyl	13.25	172	403859	53.35	ng	-0.02
79) Terphenyl-d14	19.99	244	658722	48.06	ng	-0.01
Target Compounds						Qvalue
10) Phenol	7.22	94	16666	5.957	ng	83
31) Naphthalene	10.85	128	152463	19.897	ng	98
50) Dimethylphthalate	14.07	163	61131	7.545	ng	98
71) Phenanthrene	17.41	178	86680	7.137	ng	99
72) Anthracene	17.51	178	47070	3.873	ng	98
75) Fluoranthene	19.43	202	179076	11.309	ng	99
78) Pyrene	19.79	202	167144	10.500	ng	100
81) Benzo(a)anthracene	21.62	228	97777	6.070	ng	98
83) Chrysene	21.68	228	90402	5.648	ng	98
86) Indeno(1,2,3-cd)pyrene	28.44	276	62487	3.110	ng	97
88) Benzo(b)fluoranthene	23.81	252	122533	7.001	ng	# 99
89) Benzo(k)fluoranthene	23.87	252	53932m	3.061	ng	
90) Benzo(a)pyrene	24.67	252	91888	5.498	ng	96
92) Benzo(a,h,i)perylene	29.56	276	62265	3.692	ng	# 87

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

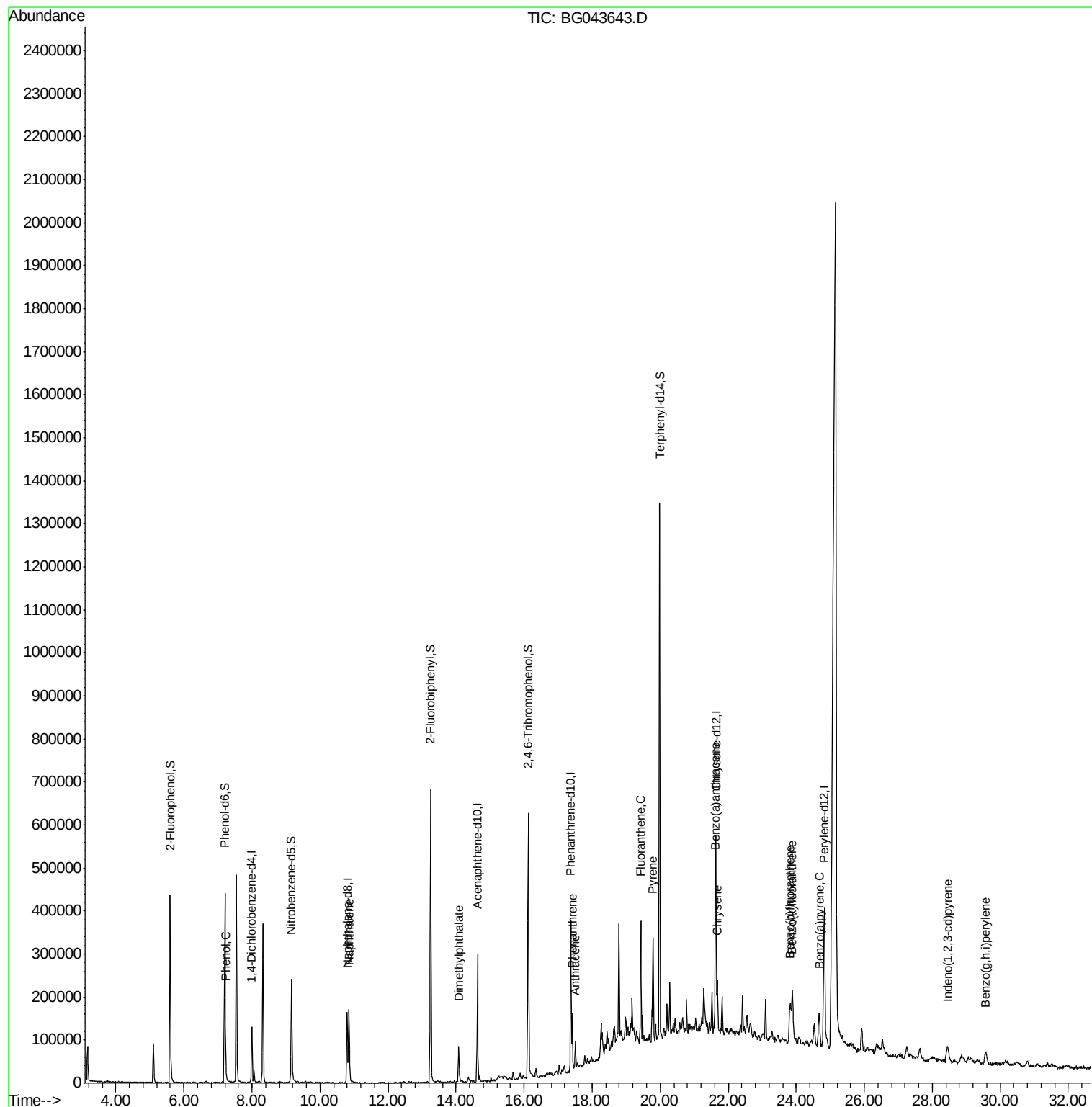
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111419\
Data File : BG043643.D
Acq On : 14 Nov 2019 21:06
Operator : JU
Sample : K5813-01
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

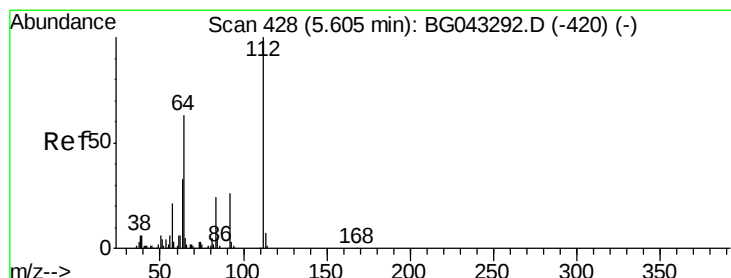
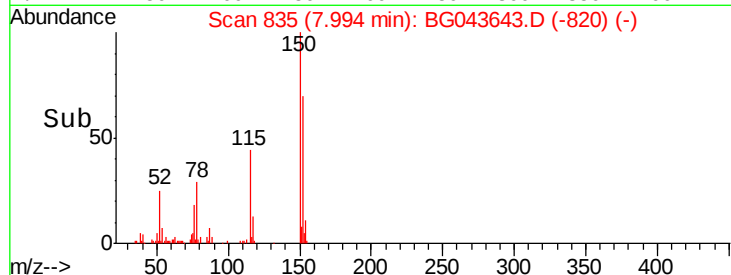
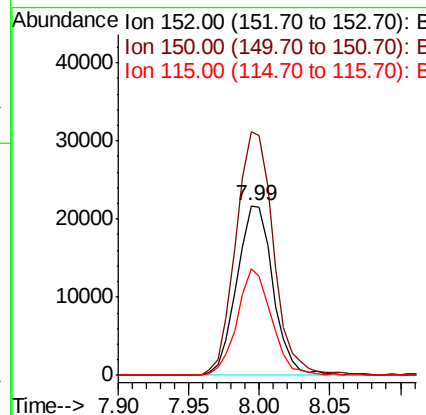
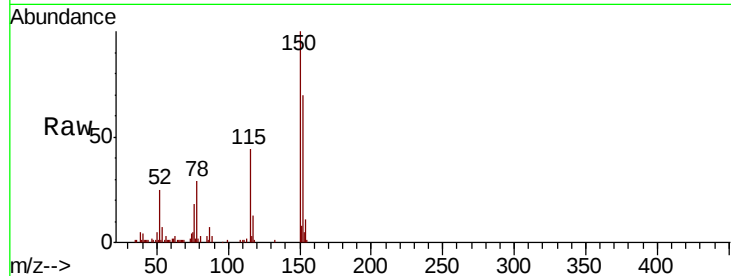
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG043643.D
Acq: 14 Nov 2019 21:06

Instrument :
BNA_G
ClientSampleId :
SP-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	143.5	129.4	194.0
115	63.0	48.8	73.2

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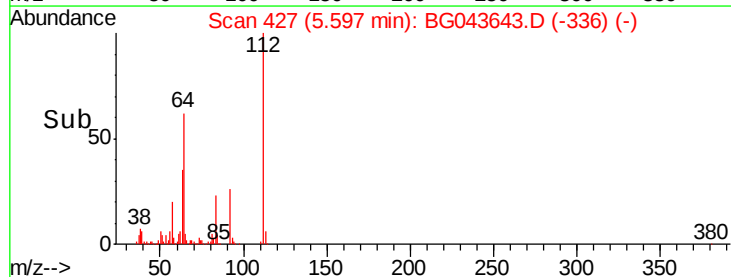
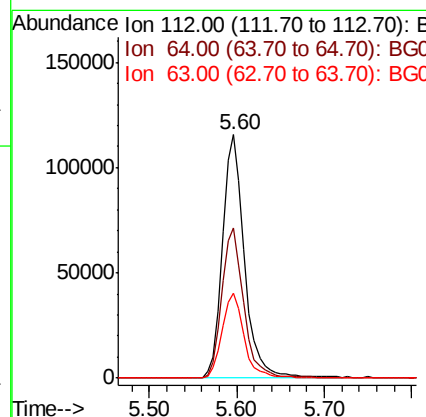
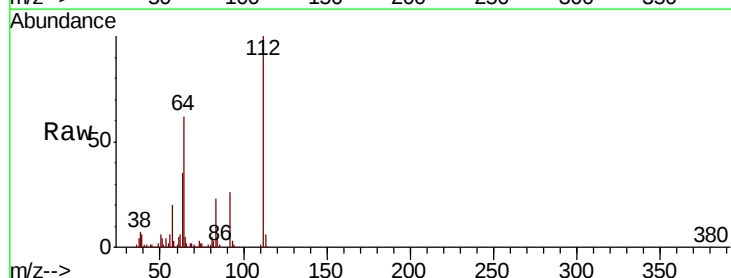
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#5

2-Fluorophenol
Concen: 95.097 ng
RT: 5.60 min Scan# 427
Delta R.T. 0.00 min
Lab File: BG043643.D
Acq: 14 Nov 2019 21:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.8	50.0	75.0
63	34.8	26.6	40.0





#7

Phenol-d6

Concen: 91.816 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG043643.D

Acq: 14 Nov 2019 21:06

Instrument :

BNA_G

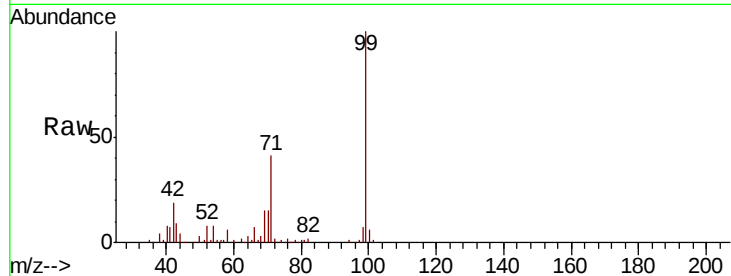
ClientSampled :

SP-B

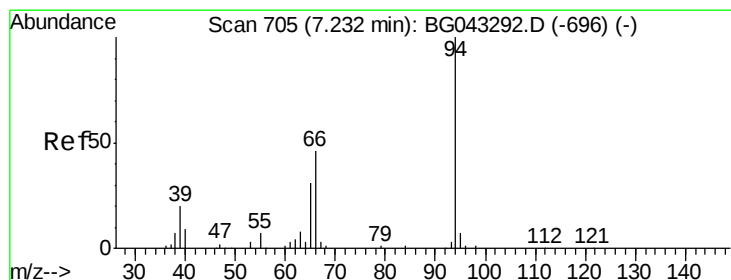
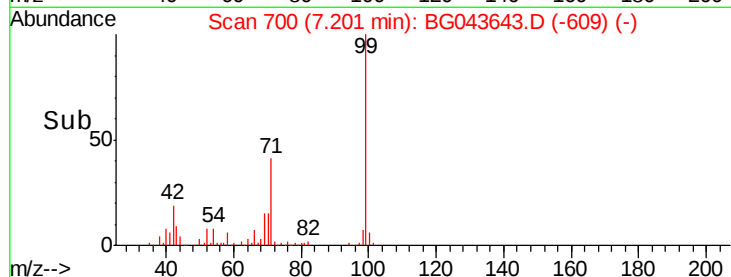
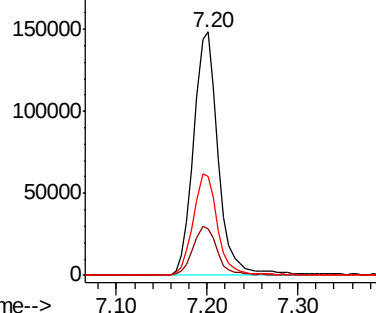
Tot Ion:	99	Resp:	281103
Ion Ratio	Lower	Upper	
99	100		
42	19.1	14.6	21.8
71	40.8	32.5	48.7

Manual Integrations
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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: 5.957 ng

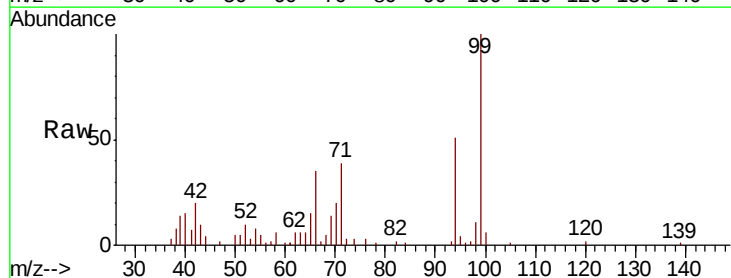
RT: 7.22 min Scan# 704

Delta R.T. 0.00 min

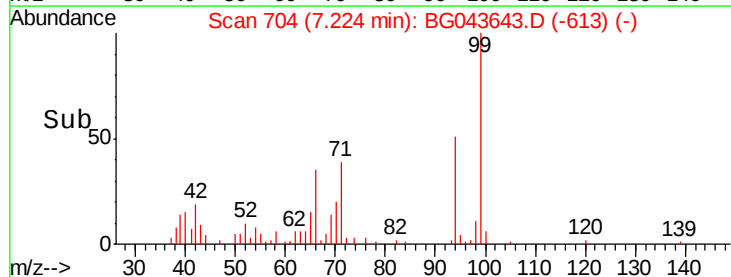
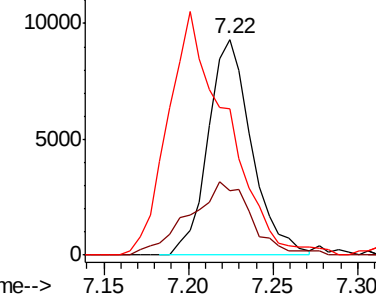
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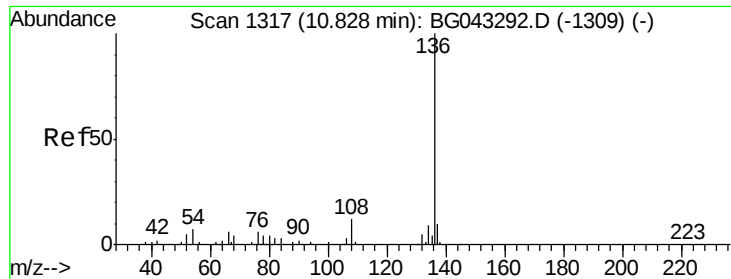
Acq: 14 Nov 2019 21:06

Tgt Ion:	94	Resp:	16666
Ion Ratio	Lower	Upper	
94	100		
65	29.9	12.6	52.6
66	67.6	30.7	70.7



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





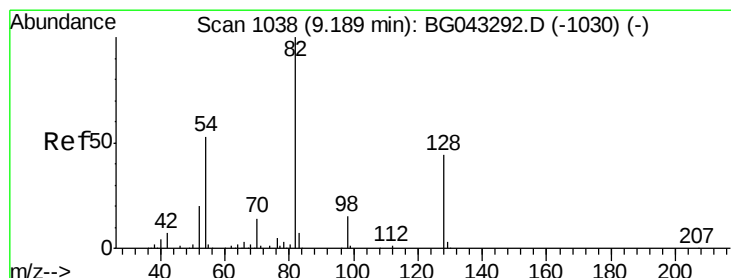
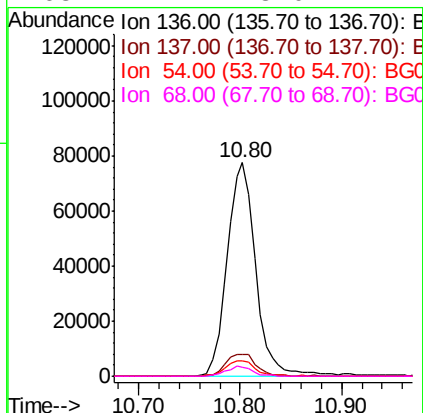
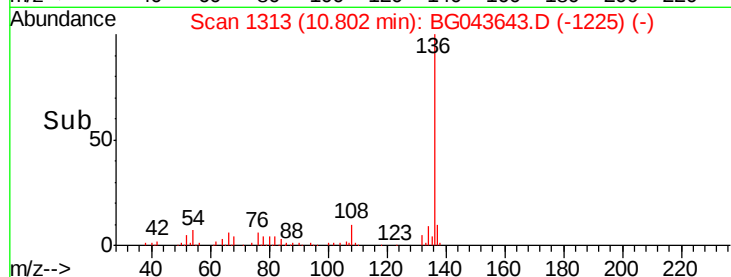
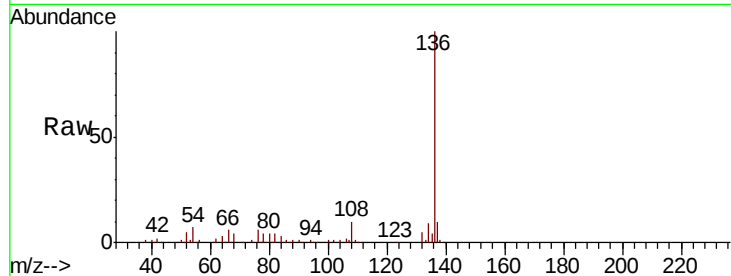
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BG043643.D
Acq: 14 Nov 2019 21:06

Instrument :
BNA_G
ClientSampleId :
SP-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	10.2		8.7	13.1	
54	7.4		5.4	8.2	
68	4.2		3.0	4.4	

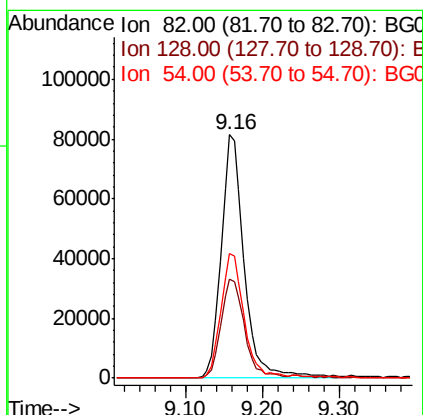
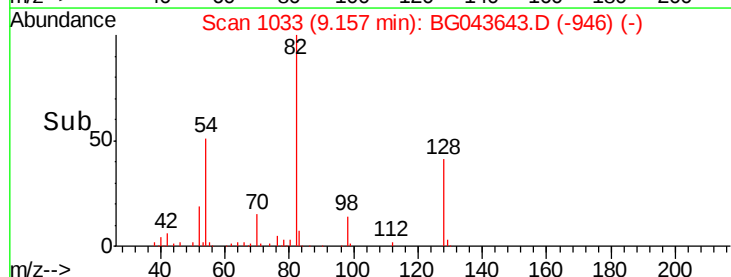
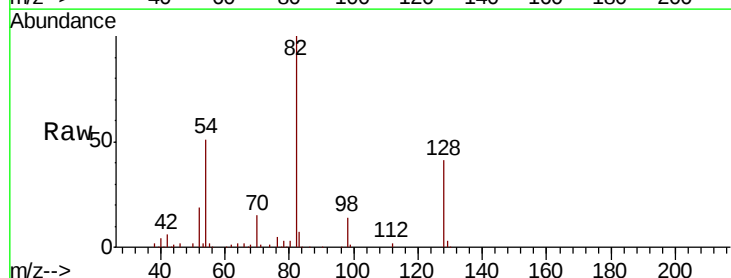
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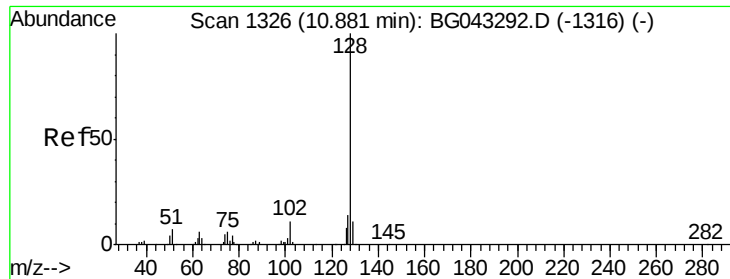
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#23
Nitrobenzene-d5
Concen: 57.628 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.02 min
Lab File: BG043643.D
Acq: 14 Nov 2019 21:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	40.8		35.0	52.6	
54	51.4		40.2	60.2	





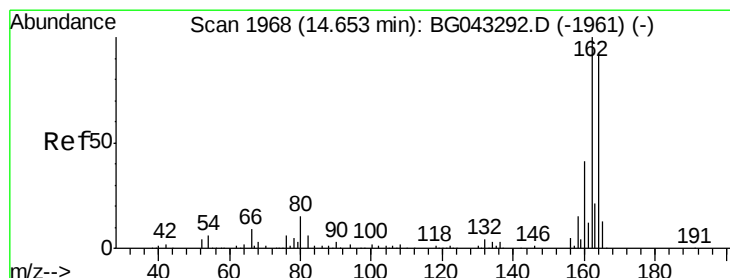
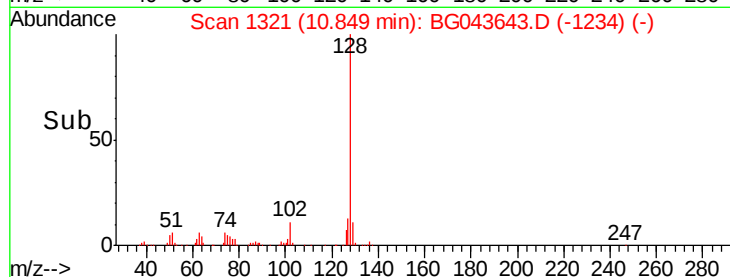
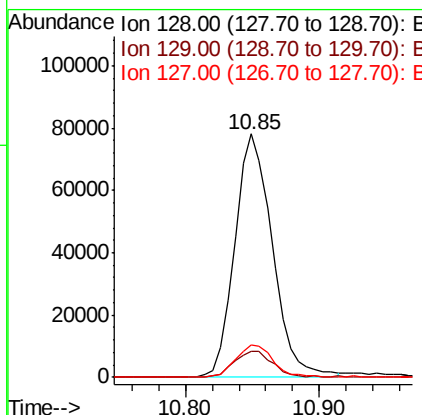
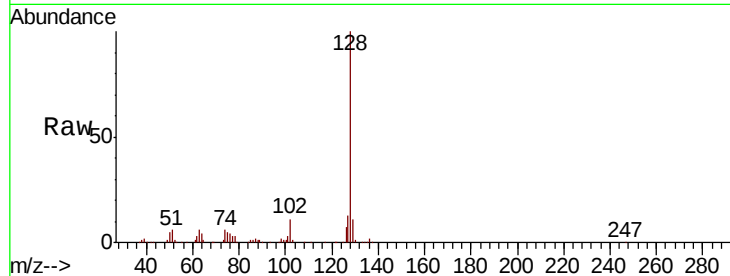
#31
Naphthalene
Concen: 19.897 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.02 min
Lab File: BG043643.D
Acq: 14 Nov 2019 21:06

Instrument :
BNA_G
ClientSampled :
SP-B

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.4	14.0
127	13.4	11.1	16.7

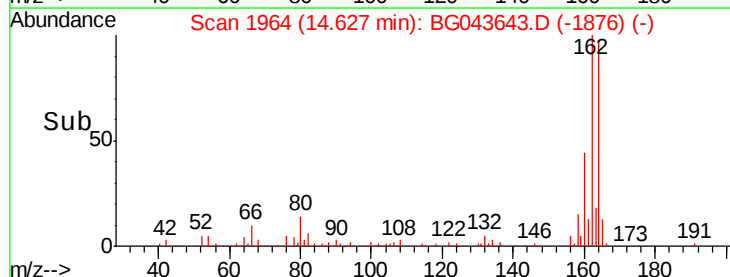
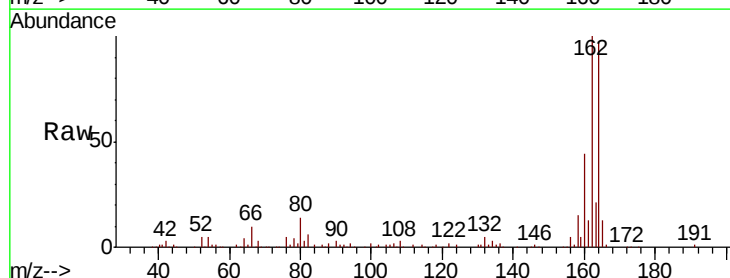
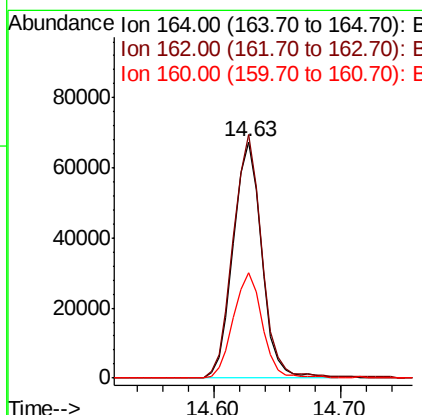
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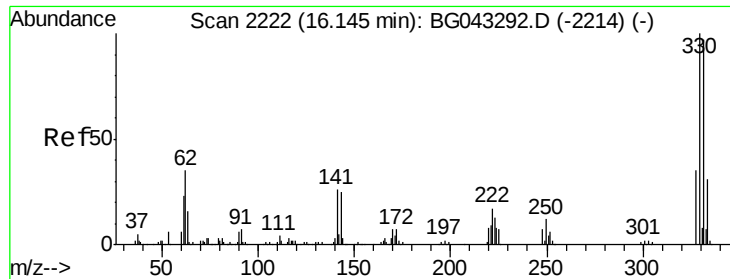
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BG043643.D
Acq: 14 Nov 2019 21:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.1	83.5	125.3
160	44.9	36.5	54.7





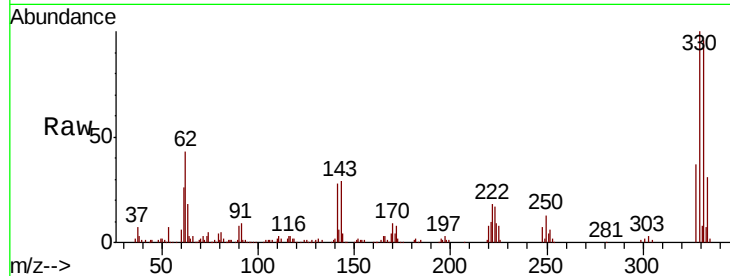
#42
 2,4,6-Tribromophenol
 Concen: 74.452 ng
 RT: 16.12 min Scan# 2218
 Delta R.T. -0.01 min
 Lab File: BG043643.D
 Acq: 14 Nov 2019 21:06

Instrument :
 BNA_G
 ClientSampled :
 SP-B

Tot Ion	Ratio	Resp	Lower	Upper
330	100	148195		
332	95.8		77.4	116.0
141	27.3		22.8	34.2

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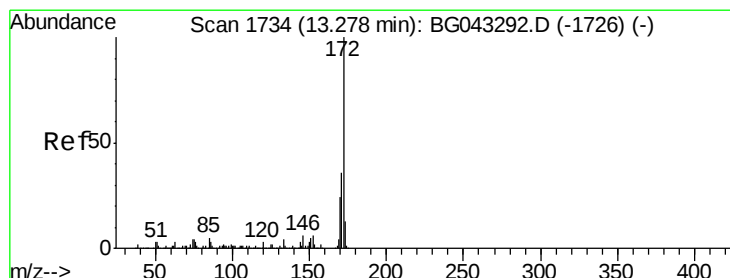
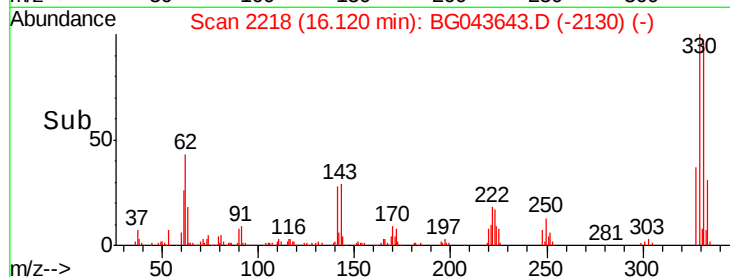
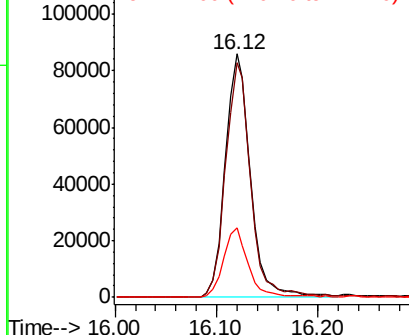


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 53.353 ng
 RT: 13.25 min Scan# 1729
 Delta R.T. -0.02 min
 Lab File: BG043643.D
 Acq: 14 Nov 2019 21:06

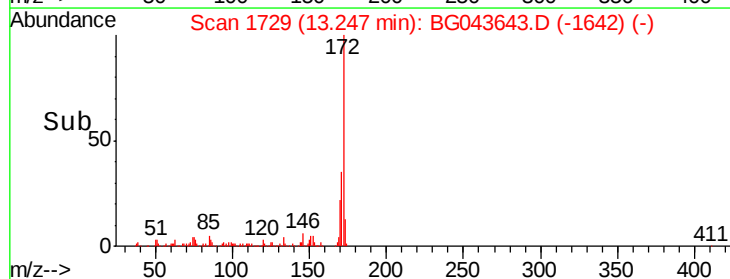
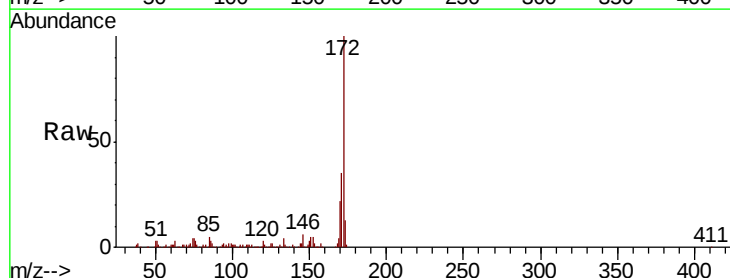
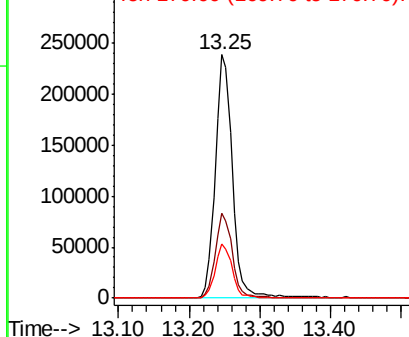
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	403859		
171	34.7		28.9	43.3
170	22.4		18.5	27.7

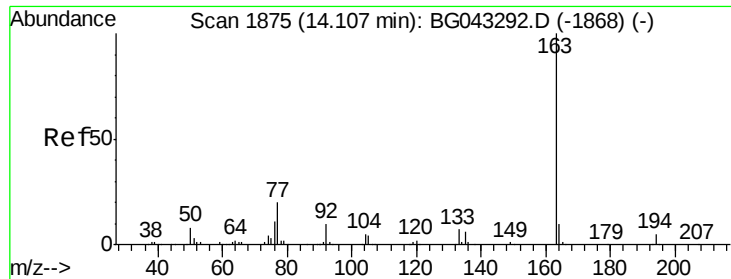
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





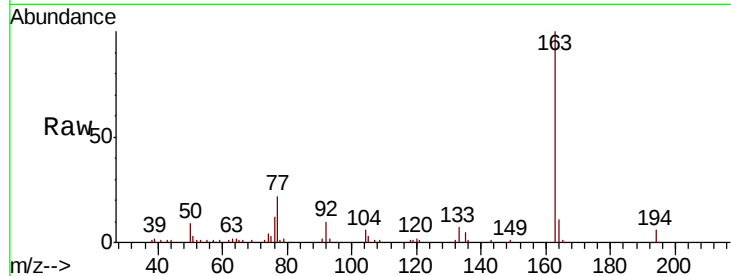
#50
Dimethylphthalate
Concen: 7.545 ng
RT: 14.07 min Scan# 1870
Delta R.T. -0.02 min
Lab File: BG043643.D
Acq: 14 Nov 2019 21:06

Instrument :
BNA_G
ClientSampled :
SP-B

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.5	3.8	5.6
164	10.5	8.9	13.3

Manual Integrations
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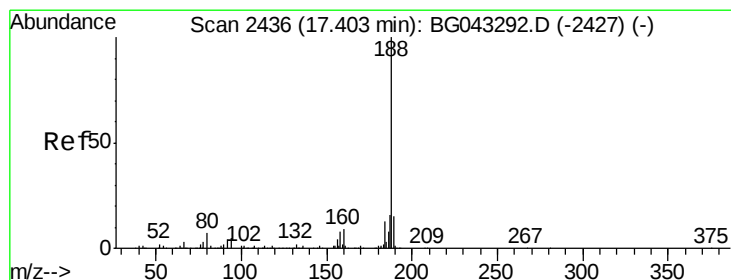
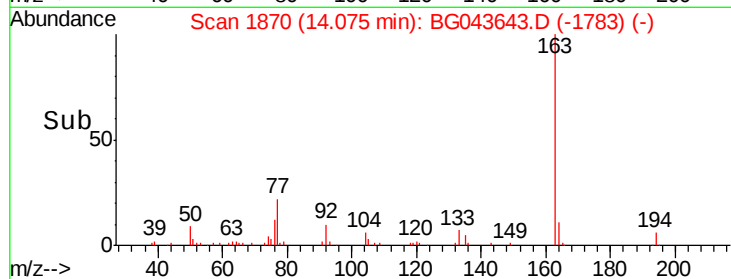
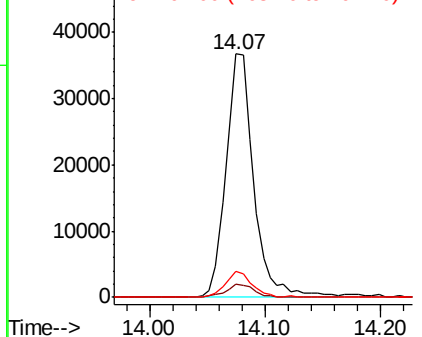


Abundance

Ion 163.00 (162.70 to 163.70): E

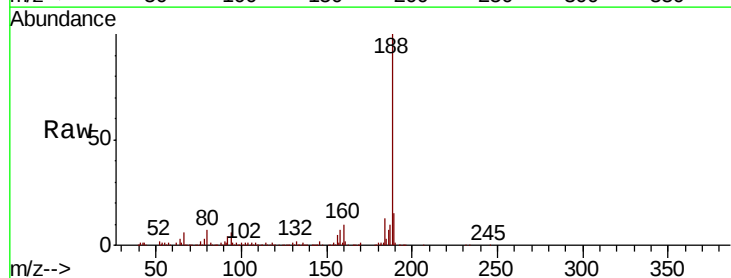
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.37 min Scan# 2431
Delta R.T. -0.02 min
Lab File: BG043643.D
Acq: 14 Nov 2019 21:06

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.9	4.2	6.4
80	7.4	4.5	6.7#

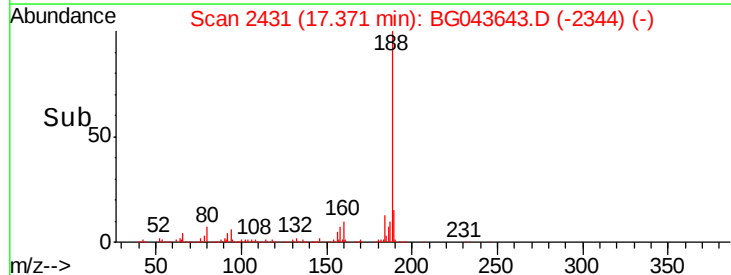
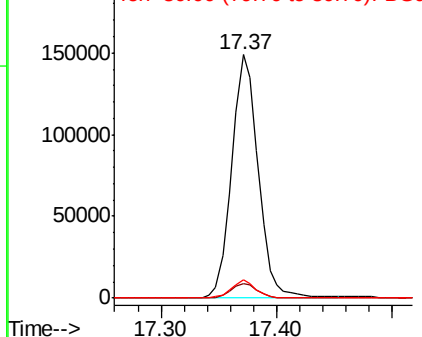


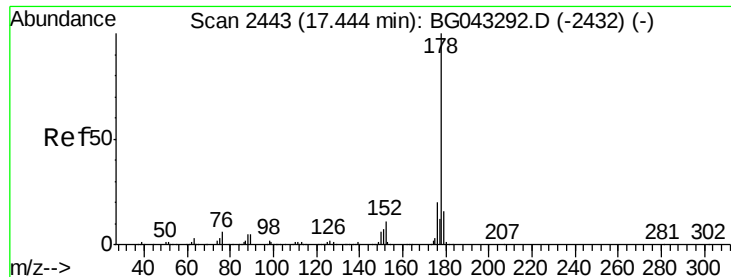
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





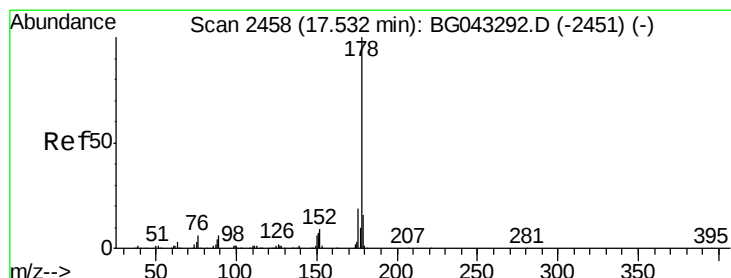
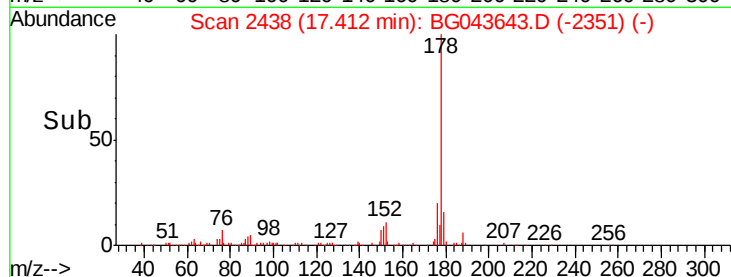
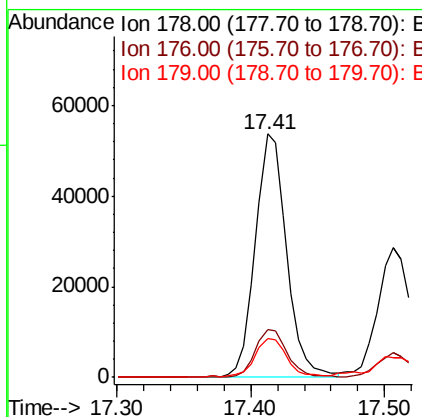
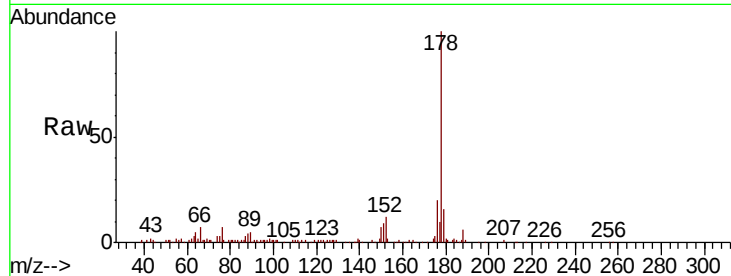
#71
Phenanthrene
Concen: 7.137 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.02 min
Lab File: BG043643.D
Acq: 14 Nov 2019 21:06

Instrument :
BNA_G
ClientSampleId :
SP-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.0
179	15.8	13.0	19.6

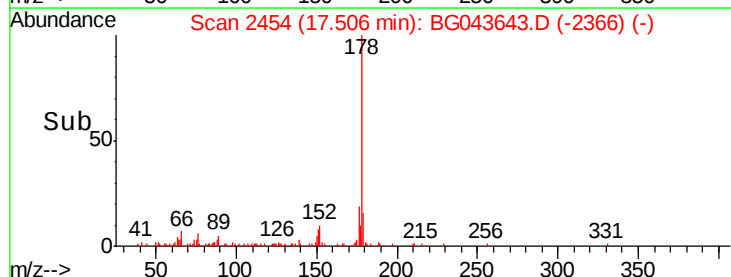
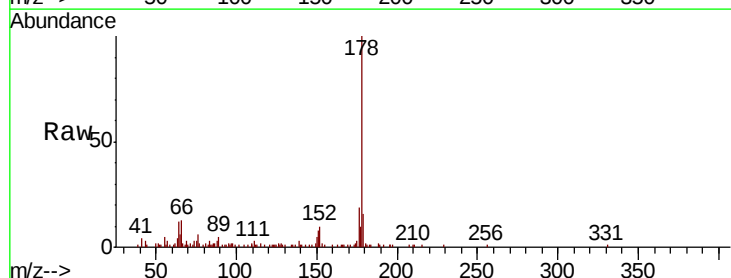
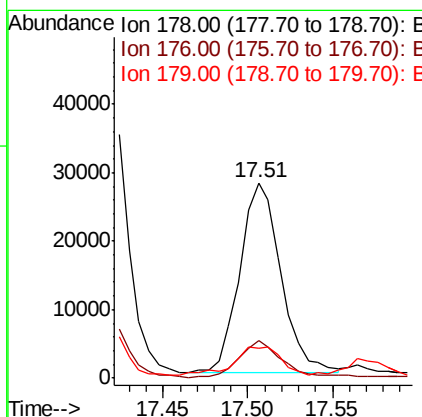
Manual Integrations
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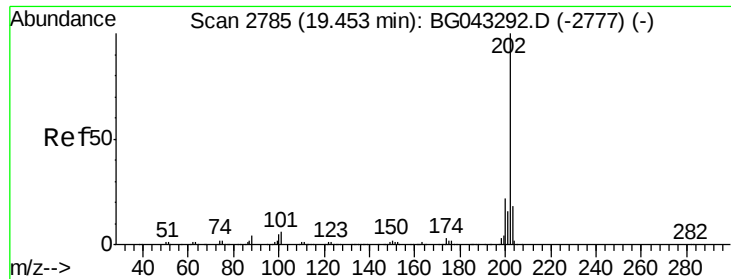
mohammad
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#72
Anthracene
Concen: 3.873 ng
RT: 17.51 min Scan# 2454
Delta R.T. -0.01 min
Lab File: BG043643.D
Acq: 14 Nov 2019 21:06

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.6	13.7	20.5





#75

Fluoranthene

Concen: 11.309 ng

RT: 19.43 min Scan# 2781

Delta R.T. -0.01 min

Lab File: BG043643.D

Acq: 14 Nov 2019 21:06

Instrument :

BNA_G

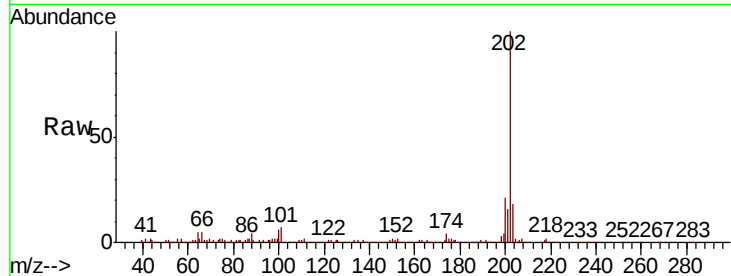
ClientSampleId :

SP-B

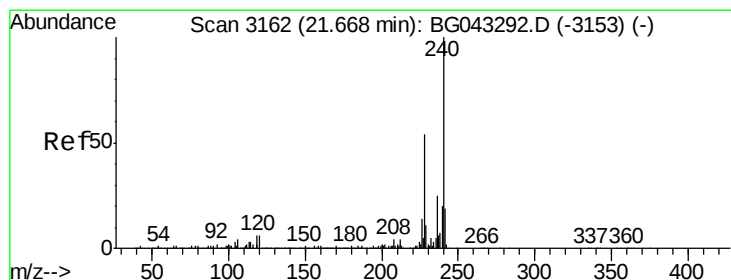
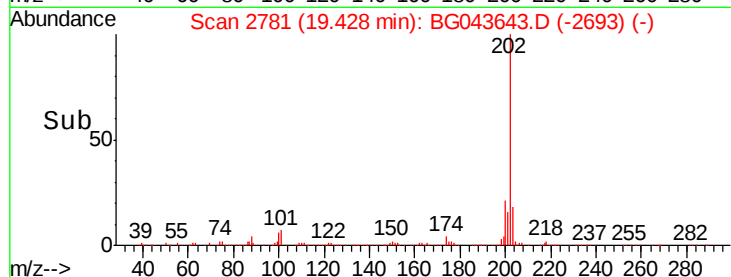
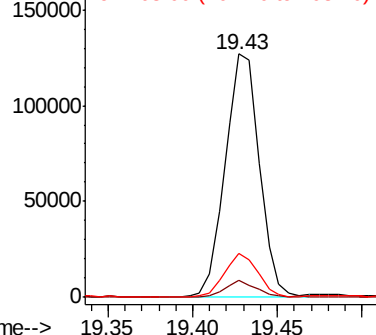
Tot Ion:	202	Resp:	179076
Ion Ratio	Lower	Upper	
202	100		
101	7.2	0.0	26.3
203	18.1	0.0	37.9

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3157

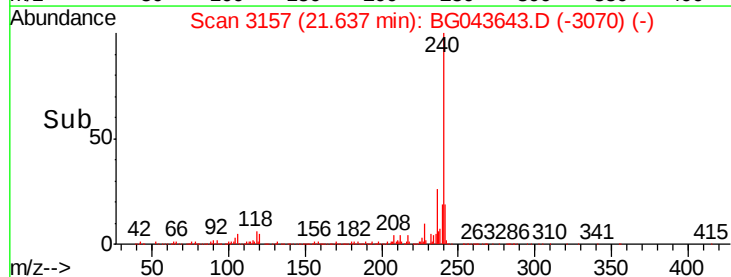
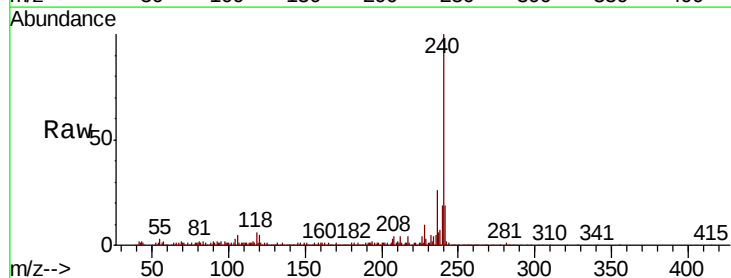
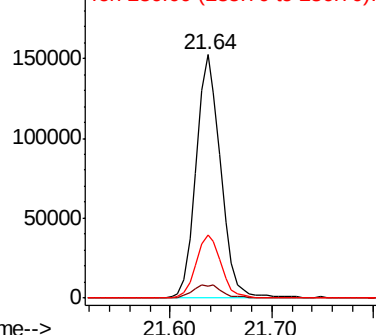
Delta R.T. -0.02 min

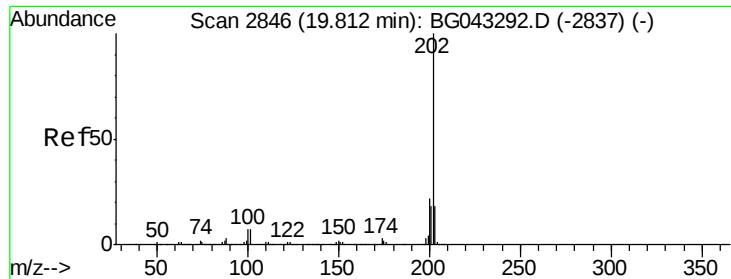
Lab File: BG043643.D

Acq: 14 Nov 2019 21:06

Tgt Ion:	240	Resp:	257158
Ion Ratio	Lower	Upper	
240	100		
120	5.0	4.6	6.8
236	25.8	19.8	29.8

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 10.500 ng

RT: 19.79 min Scan# 2842

Delta R.T. -0.01 min

Lab File: BG043643.D

Acq: 14 Nov 2019 21:06

Instrument :

BNA_G

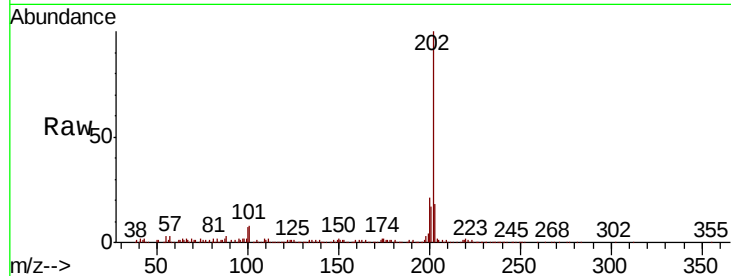
ClientSampleId :

SP-B

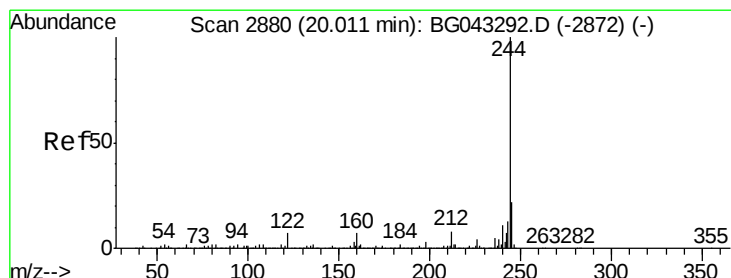
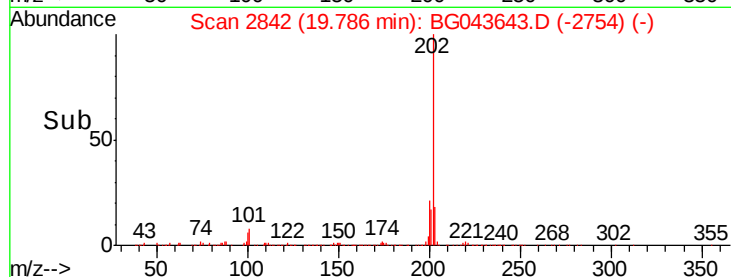
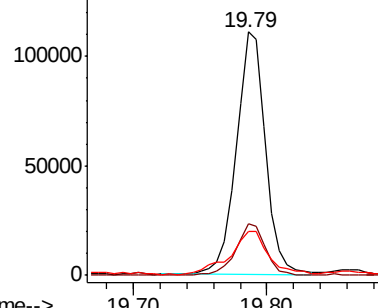
Tot Ion:	202	Resp:	167144
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.0	25.4
203	18.2	14.7	22.1

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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



#79

Terphenyl-d14

Concen: 48.056 ng

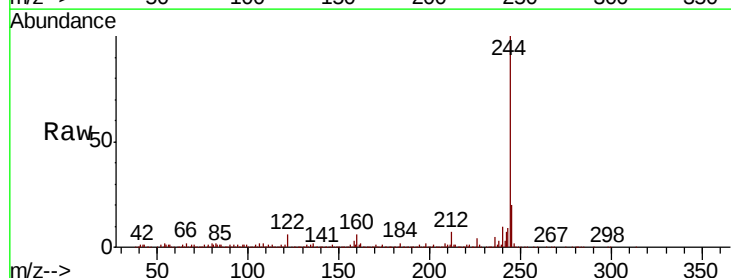
RT: 19.99 min Scan# 2876

Delta R.T. -0.01 min

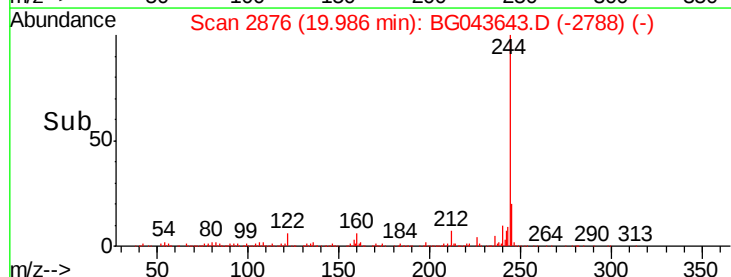
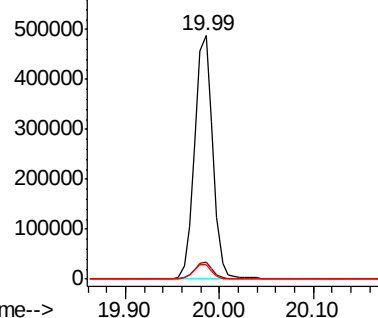
Lab File: BG043643.D

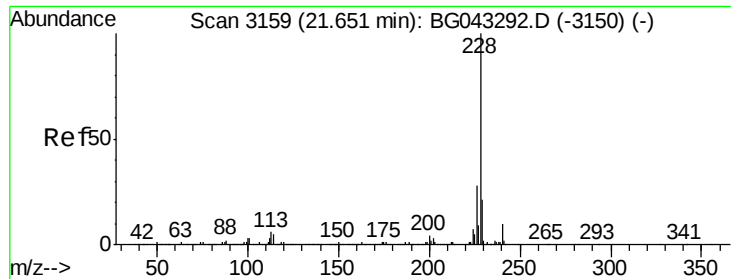
Acq: 14 Nov 2019 21:06

Tgt Ion:	244	Resp:	658722
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.8	8.6
122	6.1	5.4	8.2



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





#81

Benzo(a)anthracene

Concen: 6.070 ng

RT: 21.62 min Scan# 3154

Delta R.T. -0.02 min

Lab File: BG043643.D

Acq: 14 Nov 2019 21:06

Instrument :

BNA_G

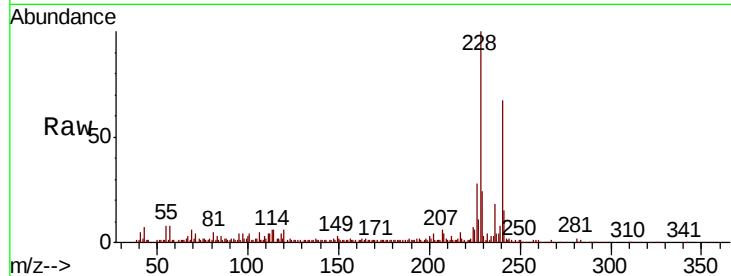
ClientSampled :

SP-B

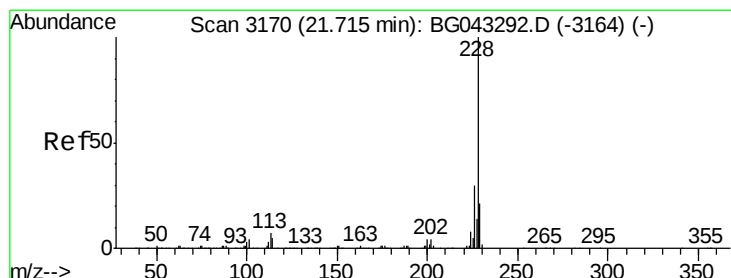
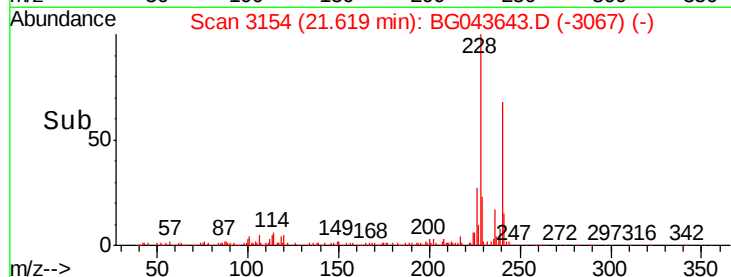
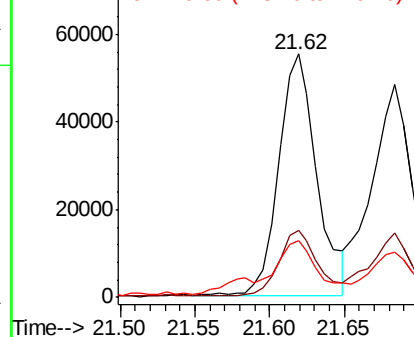
Tot Ion:	228	Resp:	97777
Ion Ratio	Lower	Upper	
228	100		
226	27.7	22.2	33.2
229	23.5	17.0	25.4

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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: 5.648 ng

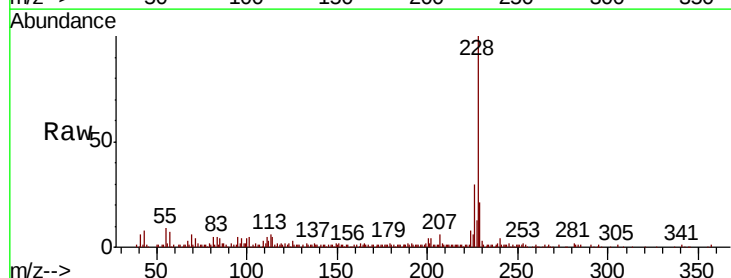
RT: 21.68 min Scan# 3165

Delta R.T. -0.02 min

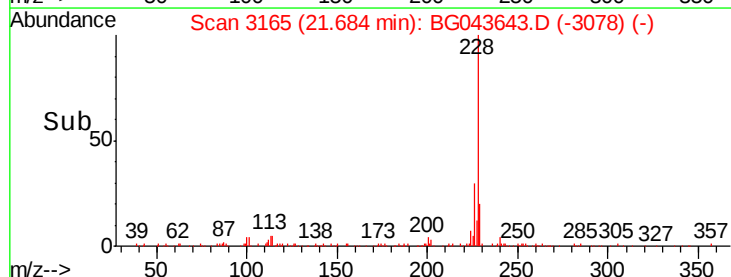
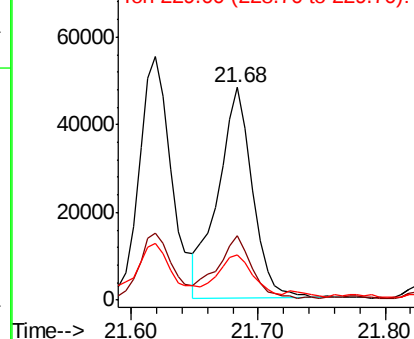
Lab File: BG043643.D

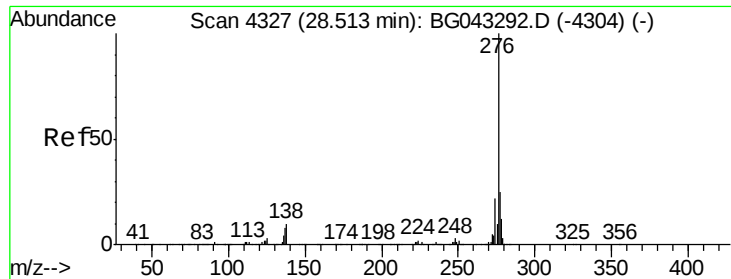
Acq: 14 Nov 2019 21:06

Tgt Ion:	228	Resp:	90402
Ion Ratio	Lower	Upper	
228	100		
226	30.1	25.1	37.7
229	21.0	17.0	25.4



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





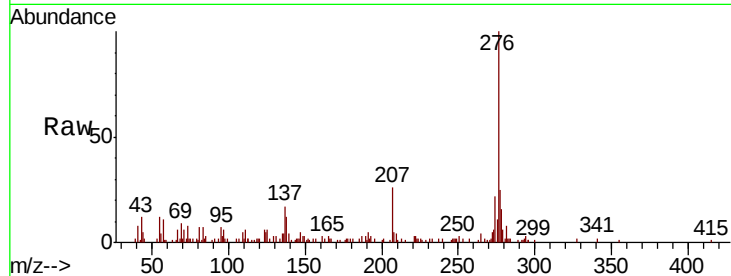
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.110 ng
RT: 28.44 min Scan# 4315
Delta R.T. -0.05 min
Lab File: BG043643.D
Acq: 14 Nov 2019 21:06

Instrument :
BNA_G
ClientSampleId :
SP-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	7.1	6.8	10.2
277	27.7	20.9	31.3

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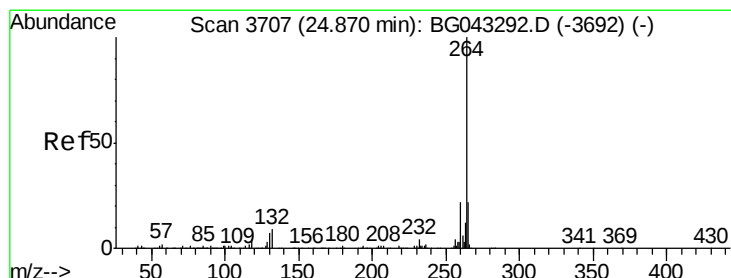
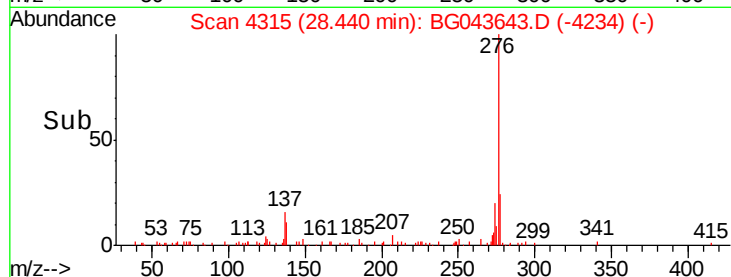
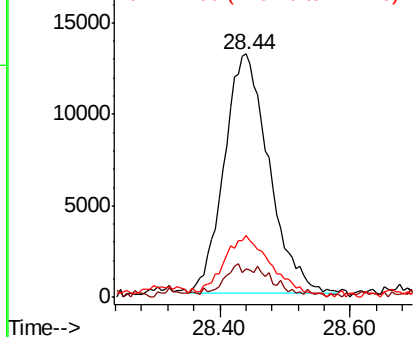


Abundance

Ion 276.00 (275.70 to 276.70): E

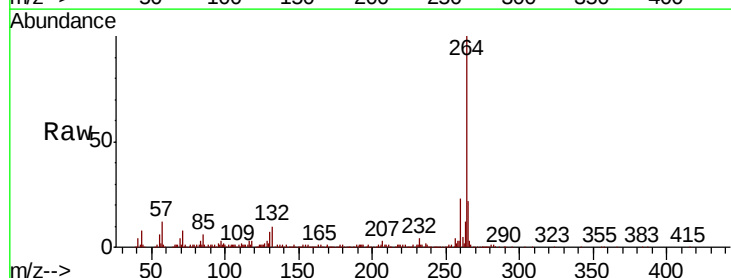
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.82 min Scan# 3699
Delta R.T. -0.03 min
Lab File: BG043643.D
Acq: 14 Nov 2019 21:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.5	26.3
265	21.8	17.4	26.0

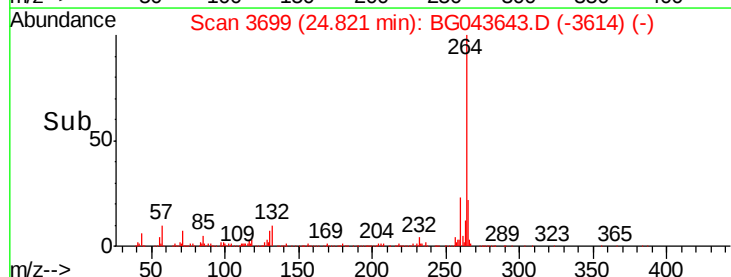
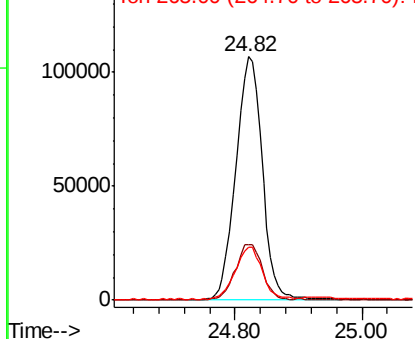


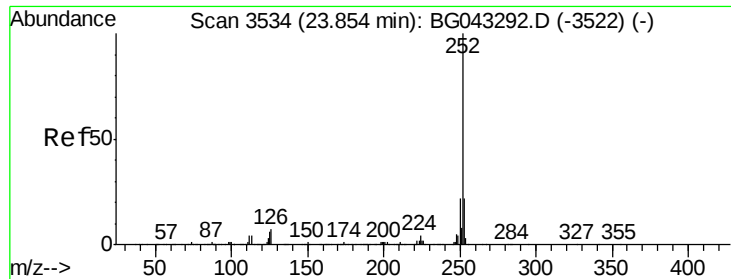
Abundance

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: 7.001 ng

RT: 23.81 min Scan# 3527

Delta R.T. -0.03 min

Lab File: BG043643.D

Acq: 14 Nov 2019 21:06

Instrument :

BNA_G

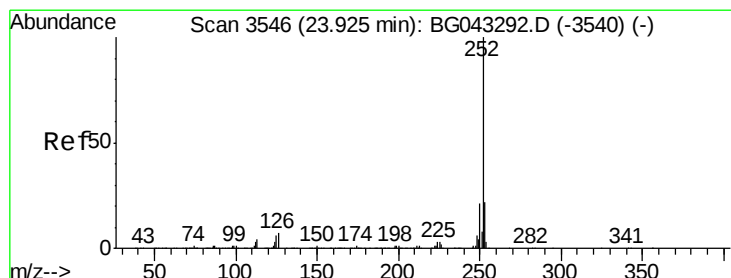
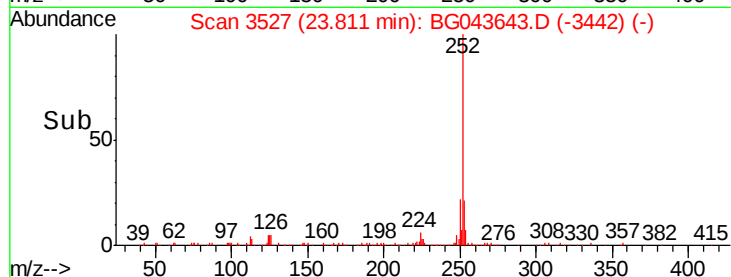
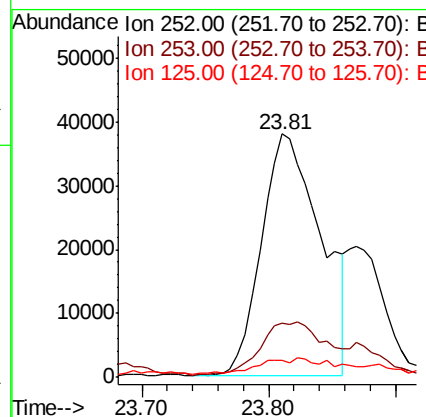
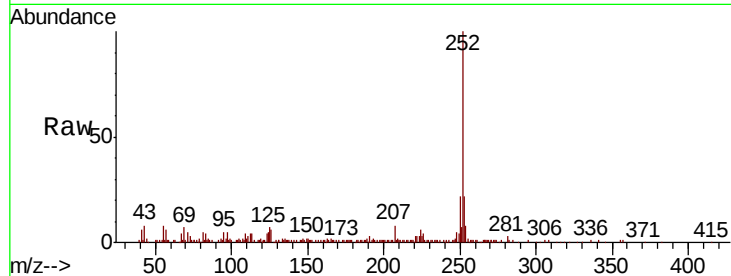
ClientSampled :

SP-B

Tot Ion:	252	Resp:	122533
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.7	26.5
125	6.8	4.5	6.7#

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#89

Benzo(k)fluoranthene

Concen: 3.061 ng m

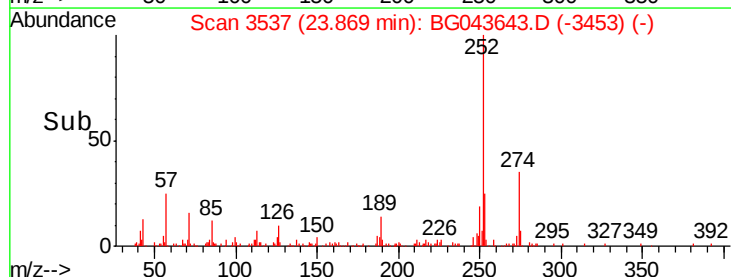
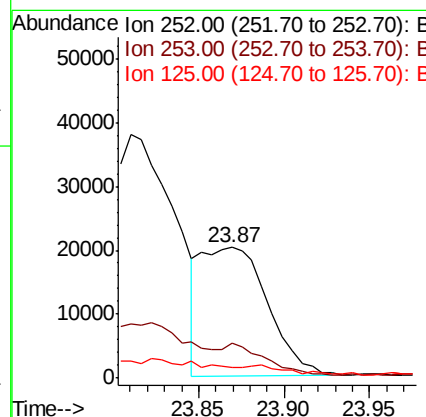
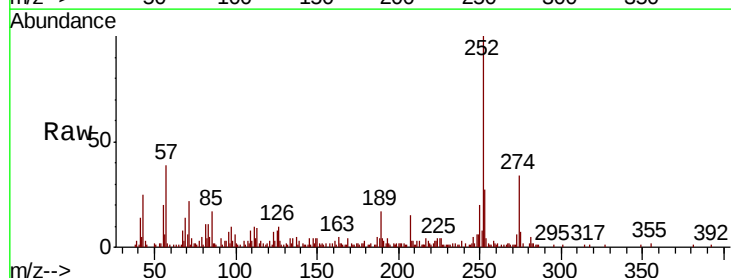
RT: 23.87 min Scan# 3537

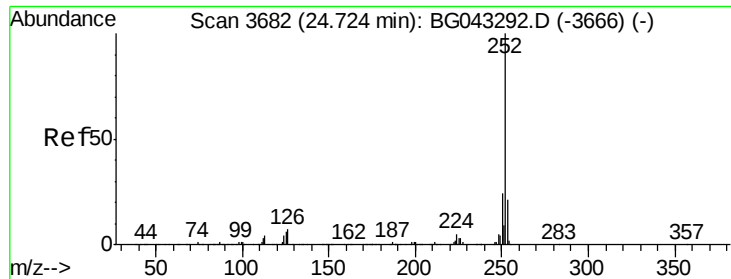
Delta R.T. -0.04 min

Lab File: BG043643.D

Acq: 14 Nov 2019 21:06

Tgt Ion:	252	Resp:	53932
Ion Ratio	Lower	Upper	
252	100		
253	26.7	17.3	25.9#
125	8.4	4.6	6.8#





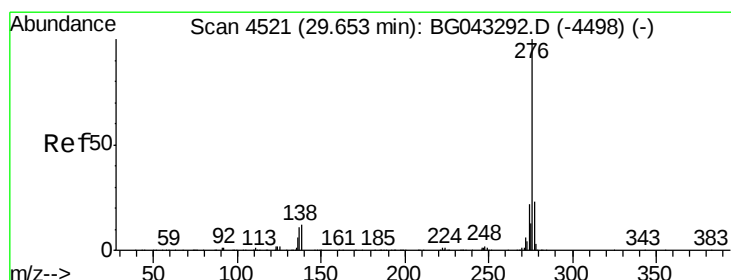
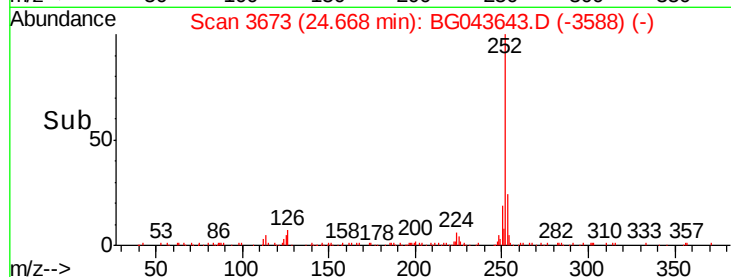
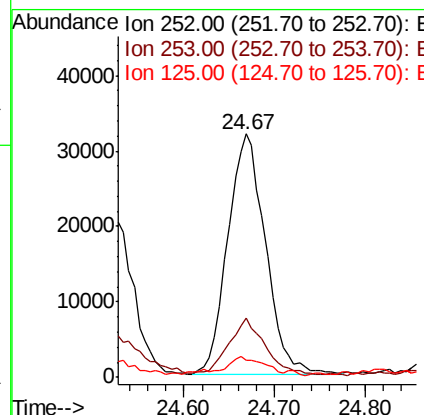
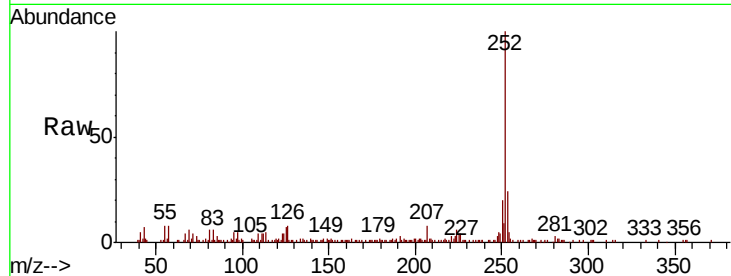
#90
Benzo(a)pyrene
Concen: 5.498 ng
RT: 24.67 min Scan# 3673
Delta R.T. -0.03 min
Lab File: BG043643.D
Acq: 14 Nov 2019 21:06

Instrument :
BNA_G
ClientSampled :
SP-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.8	26.8
125	7.0	5.4	8.2

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#92
Benzo(g,h,i)perylene
Concen: 3.692 ng
RT: 29.56 min Scan# 4506
Delta R.T. -0.07 min
Lab File: BG043643.D
Acq: 14 Nov 2019 21:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	20.1	18.9	28.3
138	20.4	8.9	13.3#

