

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102419\
 Data File : BG043335.D
 Acq On : 24 Oct 2019 17:31
 Operator : JU
 Sample : K5499-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 193-26-(0-1)

Manual Integrations
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mohammad
 10/25/2019 8:07:34 AM

Quant Time: Oct 24 18:41:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	53400	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	204808	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	142228	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	308950	20.00	ng	0.00
76) Chrysene-d12	21.67	240	350408	20.00	ng	0.00
87) Perylene-d12	24.87	264	419178	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	282465	96.93	ng	0.01
7) Phenol-d6	7.22	99	402825	96.08	ng	0.01
23) Nitrobenzene-d5	9.19	82	241112	60.69	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	208901	77.18	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	482678	46.89	ng	0.00
79) Terphenyl-d14	20.01	244	712859	38.17	ng	0.00
Target Compounds						
10) Phenol	7.24	94	10240	2.673	ng	Qvalue # 72
50) Dimethylphthalate	14.10	163	82791	7.515	ng	99
52) Acenaphthene	14.71	154	22207	2.842	ng	90
58) Fluorene	15.70	166	37763	3.553	ng	99
71) Phenanthrene	17.44	178	677910	42.850	ng	99
72) Anthracene	17.53	178	193106	12.200	ng	98
73) Carbazole	17.81	167	36827	2.569	ng	99
75) Fluoranthene	19.45	202	1261924	61.184	ng	96
78) Pyrene	19.81	202	1068316	49.254	ng	98
81) Benzo(a)anthracene	21.65	228	658426	29.998	ng	98
83) Chrysene	21.71	228	593483	27.214	ng	98
84) Bis(2-ethylhexyl)phthalate	21.55	149	165514	14.179	ng	99
86) Indeno(1,2,3-cd)pyrene	28.51	276	341155	12.462	ng	# 96
88) Benzo(b)fluoranthene	23.85	252	702637	29.596	ng	96
89) Benzo(k)fluoranthene	23.91	252	288615m	12.076	ng	
90) Benzo(a)pyrene	24.72	252	520380	22.954	ng	96
91) Dibenzo(a,h)anthracene	28.56	278	92239m	3.978	ng	
92) Benzo(g,h,i)perylene	29.65	276	319732	13.978	ng	95

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

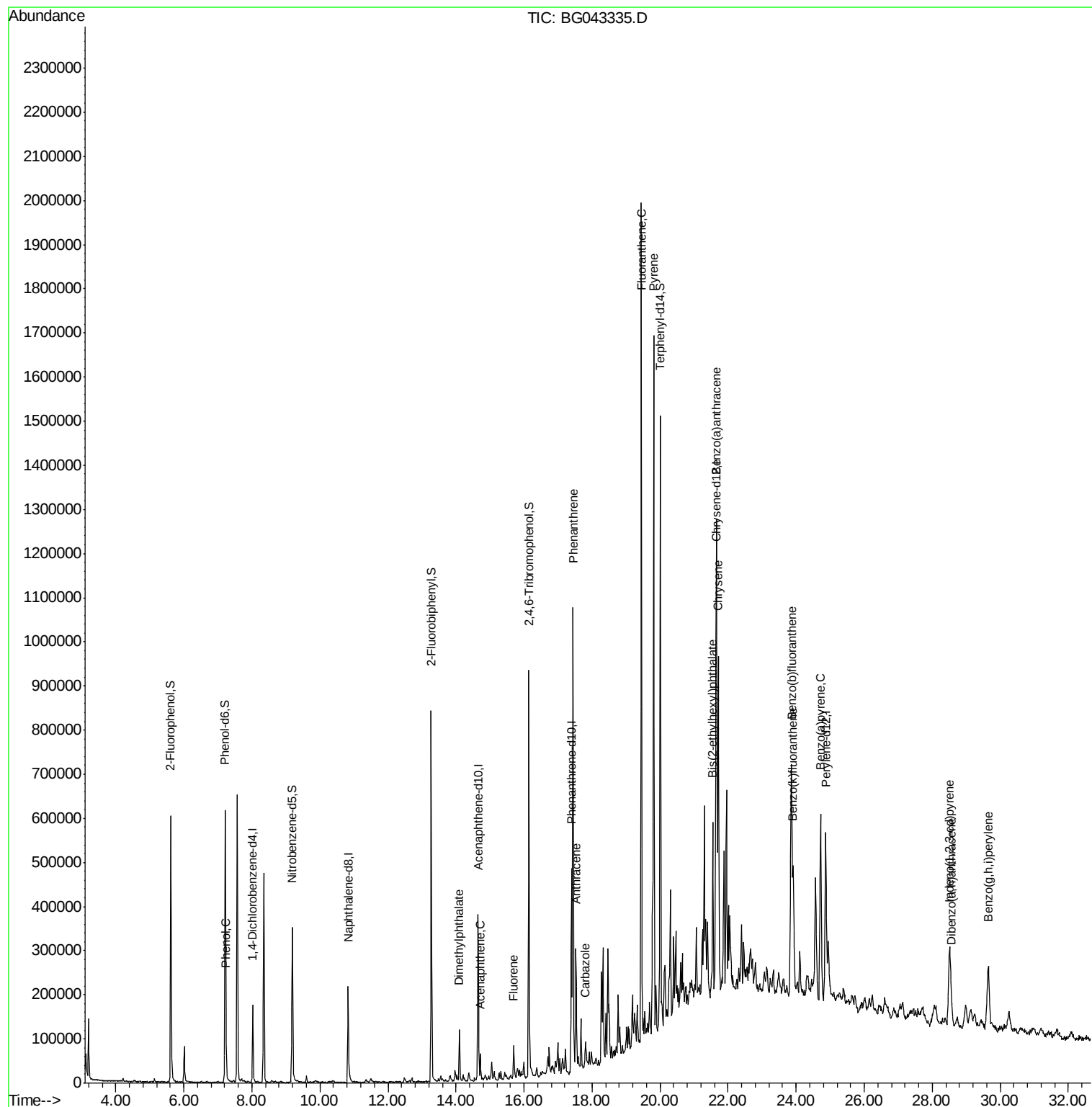
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102419\
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#1

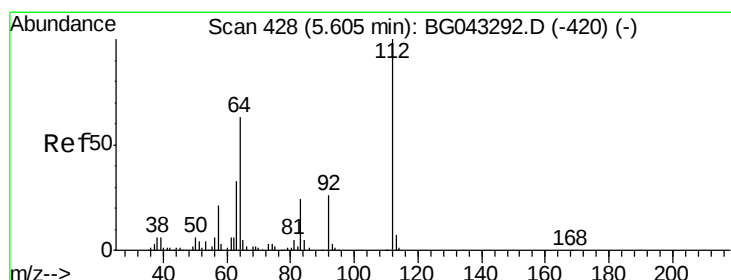
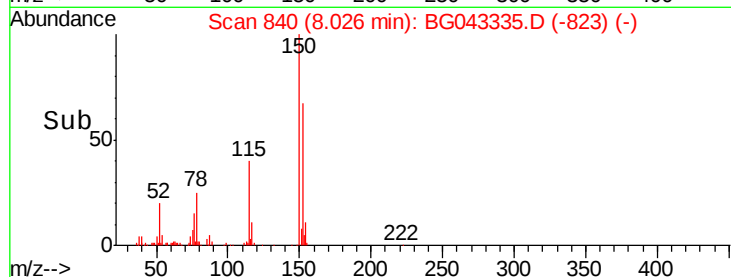
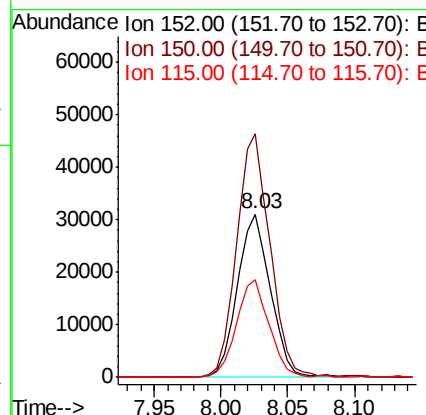
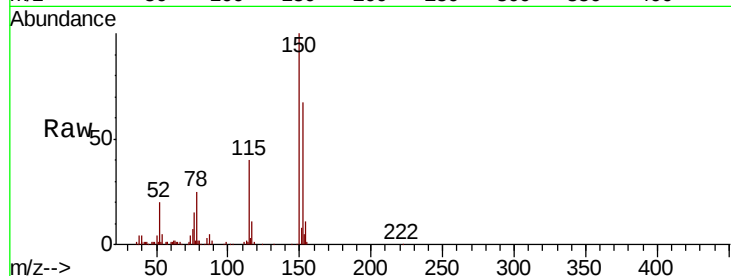
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 840
Delta R.T. 0.00 min
Lab File: BG043335.D
Acq: 24 Oct 2019 17:31

Instrument :
BNA_G
ClientSampleId :
193-26-(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.2	113.6	170.4
115	59.6	45.9	68.9

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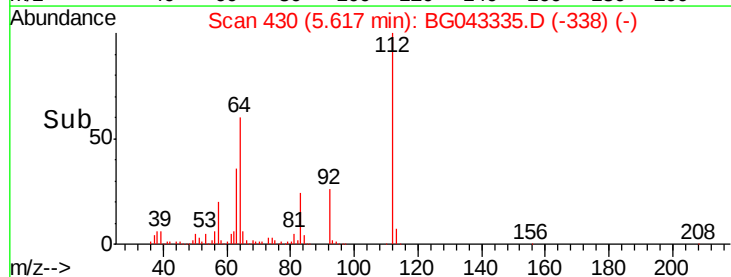
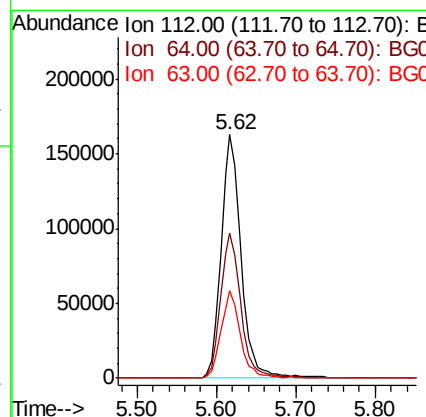
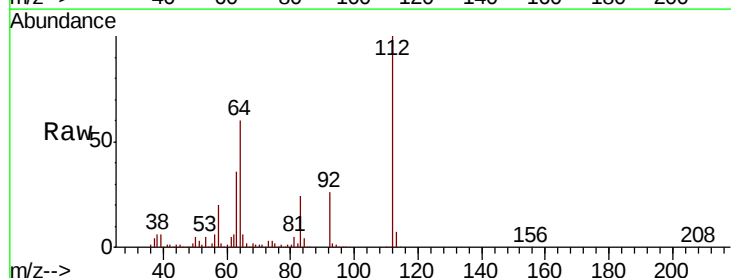
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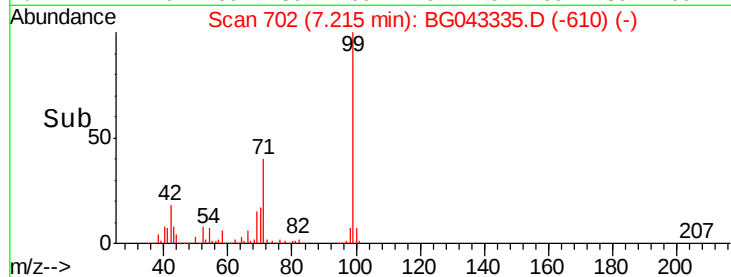
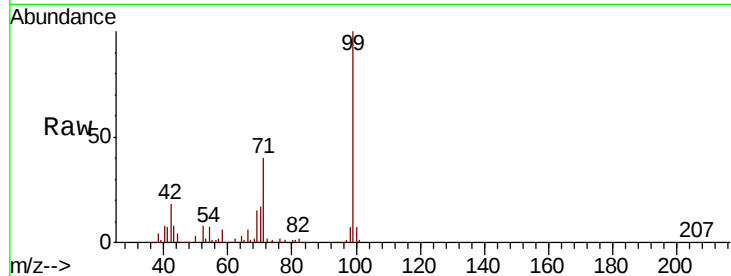
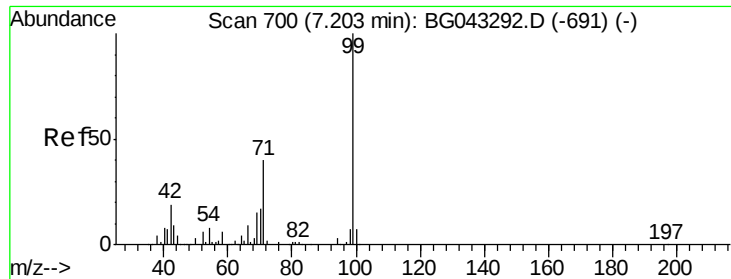


#5

2-Fluorophenol
Concen: 96.929 ng
RT: 5.62 min Scan# 430
Delta R.T. 0.01 min
Lab File: BG043335.D
Acq: 24 Oct 2019 17:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	50.2	75.2
63	36.0	26.7	40.1





#7

Phenol-d6

Concen: 96.076 ng

RT: 7.22 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG043335.D

Acq: 24 Oct 2019 17:31

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		402825		
42	18.4	14.9	22.3		
71	39.6	32.2	48.2		

Instrument :

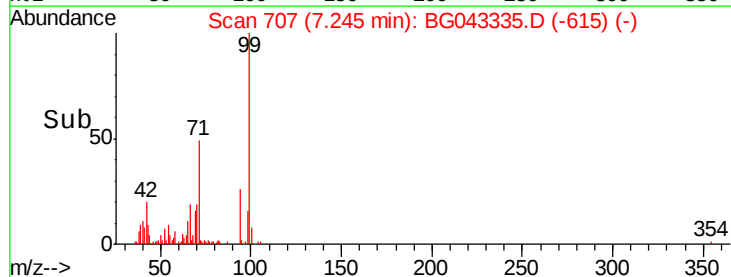
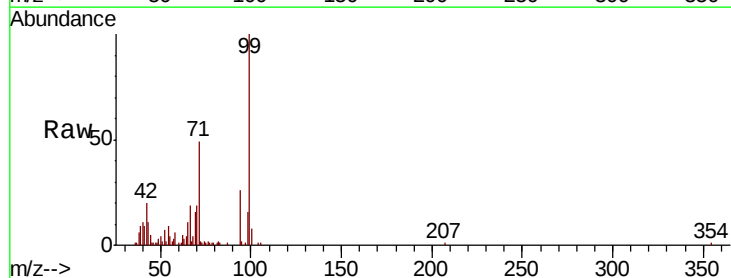
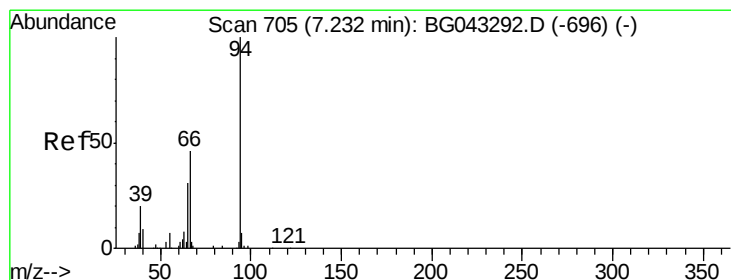
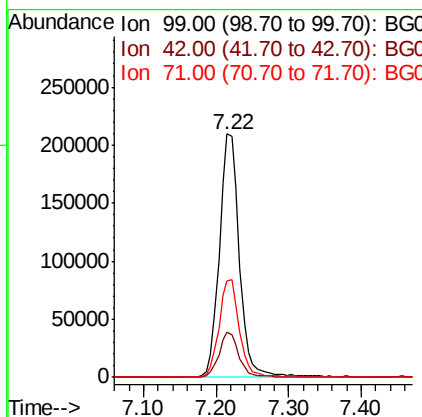
BNA_G

ClientSampleId :

193-26-(0-1)

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#10

Phenol

Concen: 2.673 ng

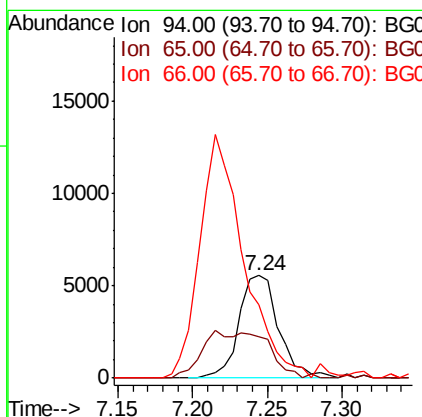
RT: 7.24 min Scan# 707

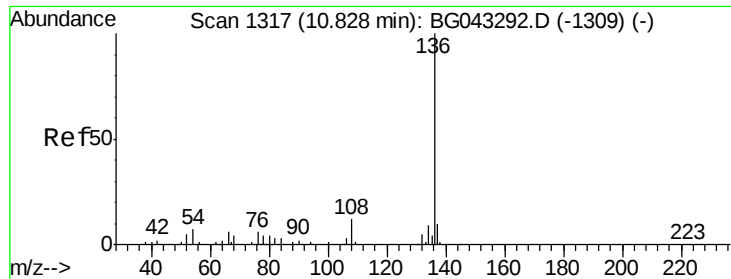
Delta R.T. 0.01 min

Lab File: BG043335.D

Acq: 24 Oct 2019 17:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		10240		
65	40.5	11.1	51.1		
66	71.8	27.8	67.8		





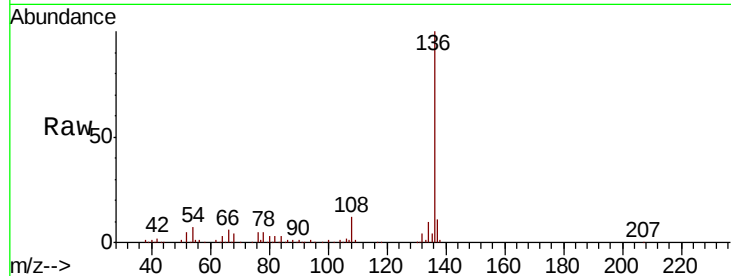
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BG043335.D
Acq: 24 Oct 2019 17:31

Instrument :
BNA_G
ClientSampleId :
193-26-(0-1)

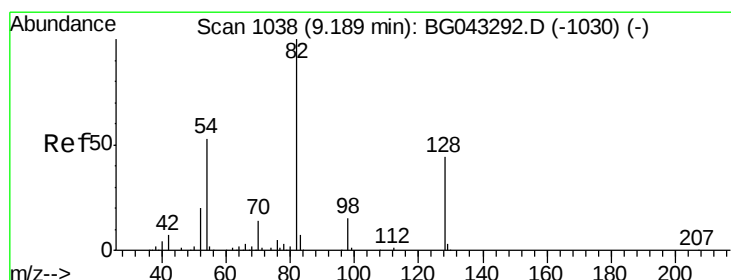
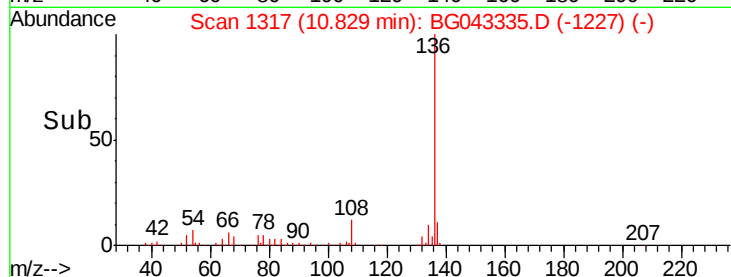
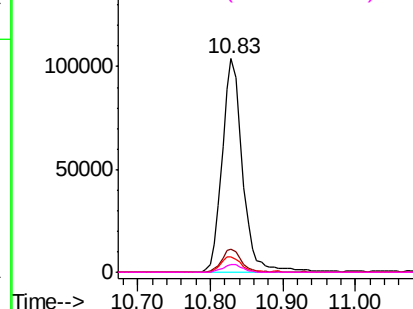
Tot Ion	Ratio	Resp	Lower	Upper
136	100	204808		
137	10.7		8.2	12.2
54	7.5		5.4	8.2
68	3.8		3.3	4.9

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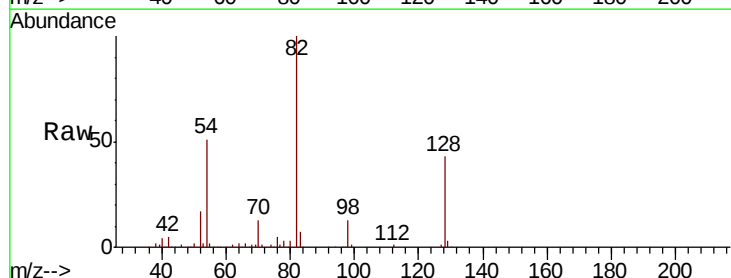


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

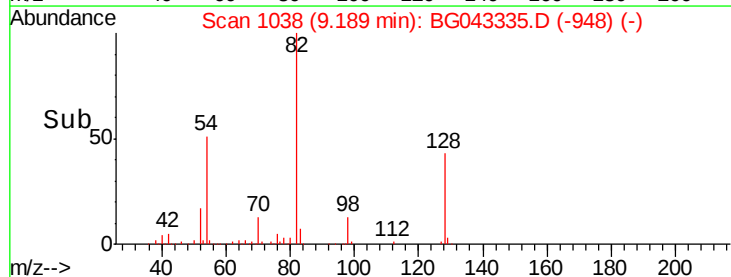
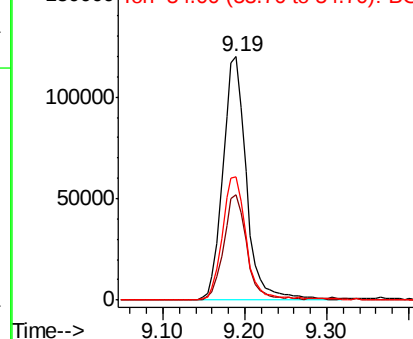


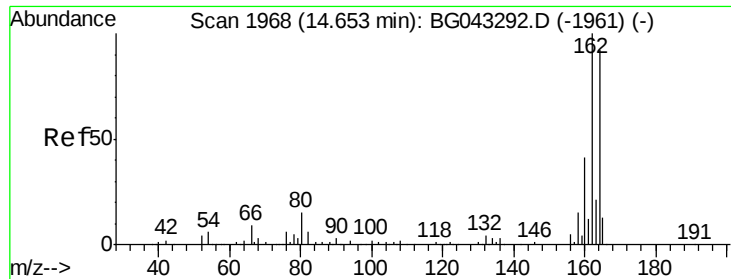
#23
Nitrobenzene-d5
Concen: 60.693 ng
RT: 9.19 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BG043335.D
Acq: 24 Oct 2019 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	241112		
128	43.2		35.3	52.9
54	50.7		42.3	63.5



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





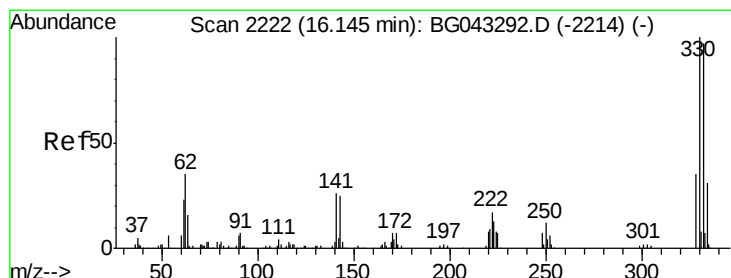
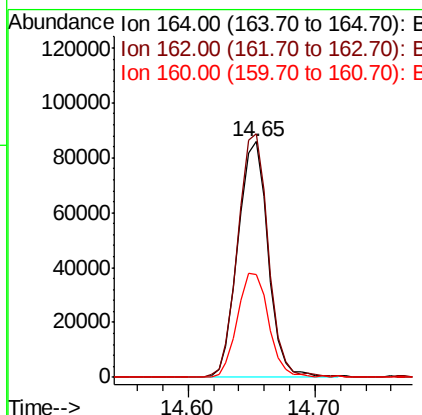
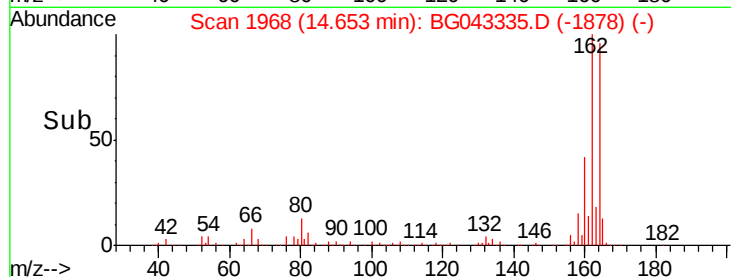
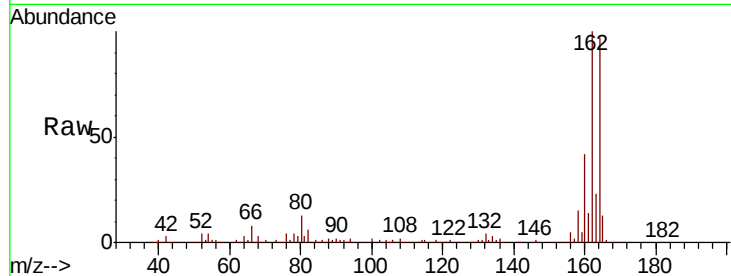
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1968
Delta R.T. 0.00 min
Lab File: BG043335.D
Acq: 24 Oct 2019 17:31

Instrument :
BNA_G
ClientSampleId :
193-26-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.2	87.0	130.4	
160	43.8	35.5	53.3	

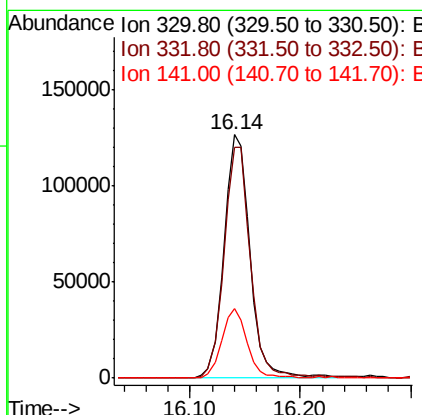
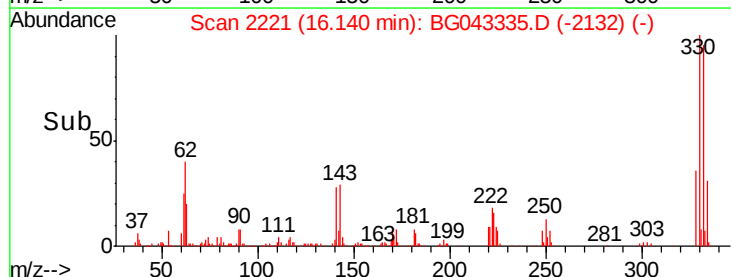
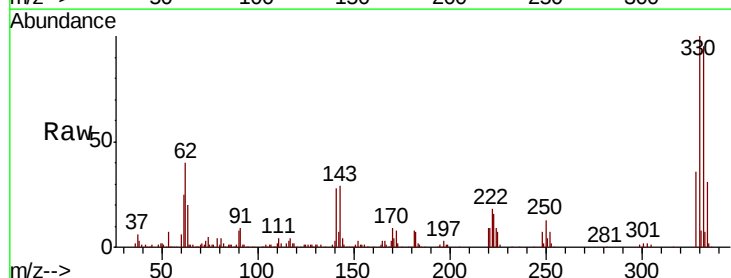
Manual Integrations
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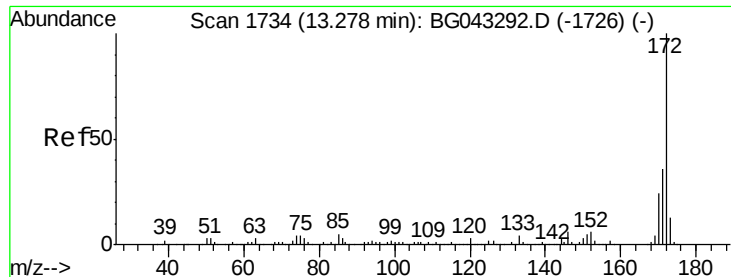
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#42
2,4,6-Tribromophenol
Concen: 77.182 ng
RT: 16.14 min Scan# 2221
Delta R.T. -0.01 min
Lab File: BG043335.D
Acq: 24 Oct 2019 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.6	76.4	114.6	
141	28.0	21.4	32.0	





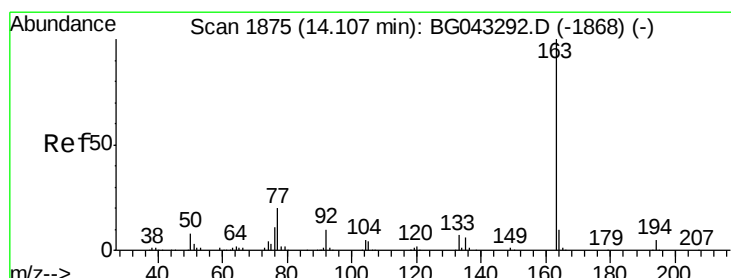
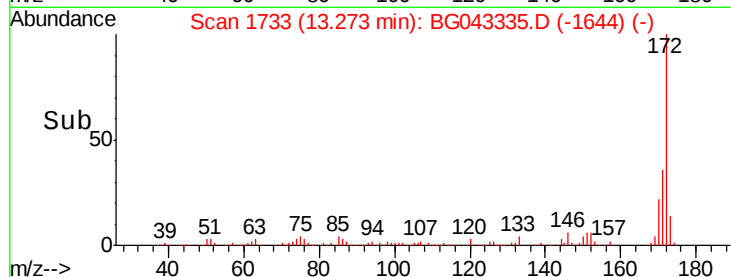
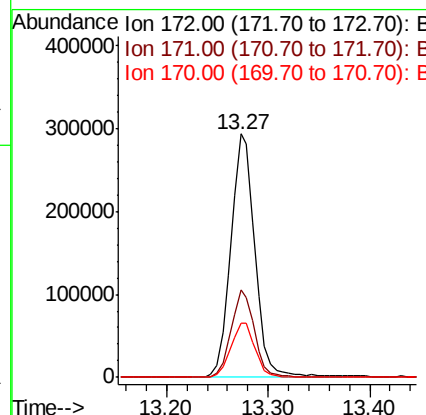
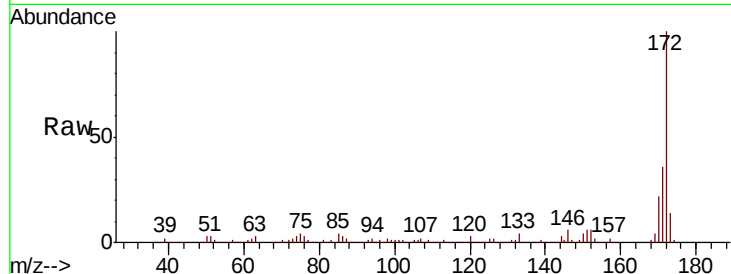
#45
2-Fluorobiphenyl
Concen: 46.894 ng
RT: 13.27 min Scan# 1733
Delta R.T. -0.01 min
Lab File: BG043335.D
Acq: 24 Oct 2019 17:31

Instrument :
BNA_G
ClientSampleId :
193-26-(0-1)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.5	42.7
170	22.5	18.8	28.2

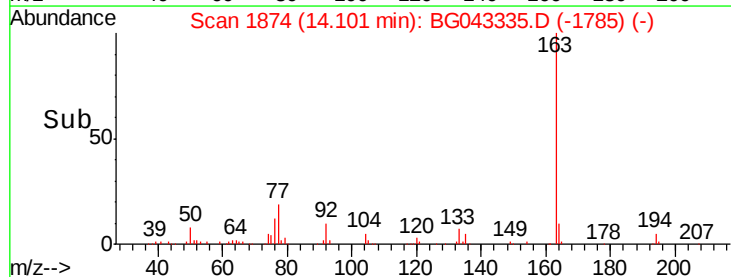
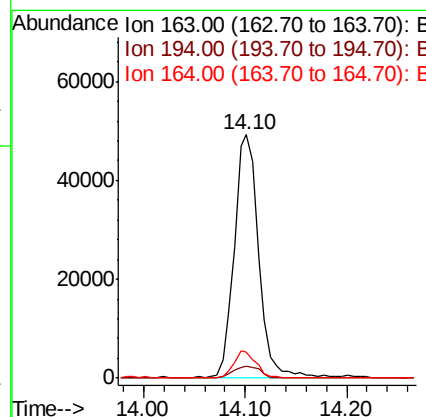
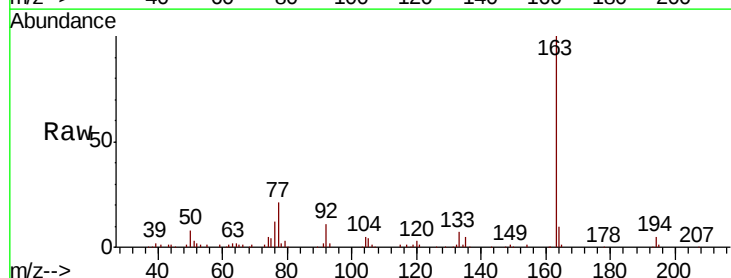
Manual Integrations
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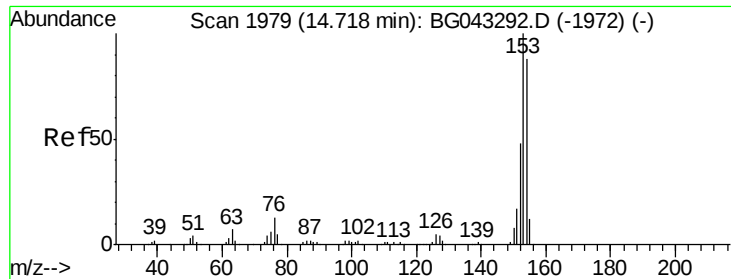
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#50
Dimethylphthalate
Concen: 7.515 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BG043335.D
Acq: 24 Oct 2019 17:31

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.1	3.7	5.5
164	10.5	8.1	12.1





#52

Acenaphthene

Concen: 2.842 ng

RT: 14.71 min Scan# 1978

Delta R.T. -0.01 min

Lab File: BG043335.D

Acq: 24 Oct 2019 17:31

Instrument :

BNA_G

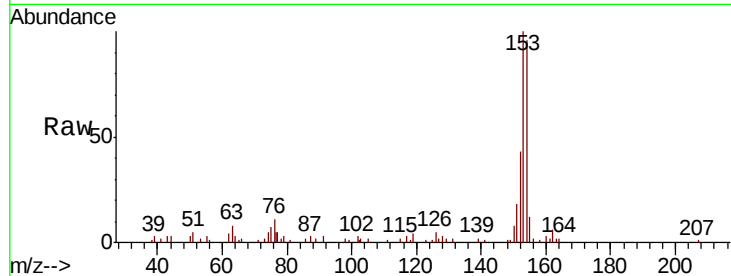
ClientSampleId :

193-26-(0-1)

Tot Ion:	154	Resp:	22207
Ion	Ratio	Lower	Upper
154	100		
153	103.9	90.9	136.3
152	45.2	43.9	65.9

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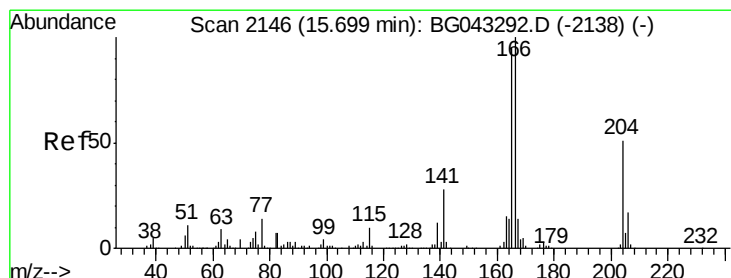
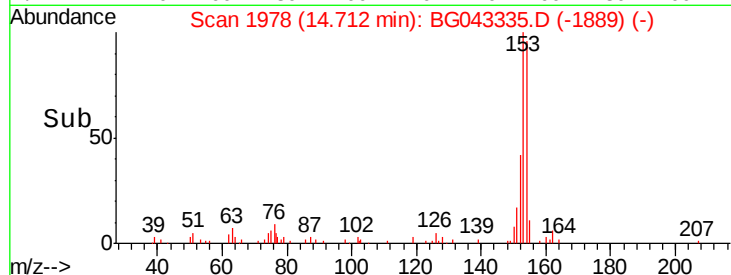
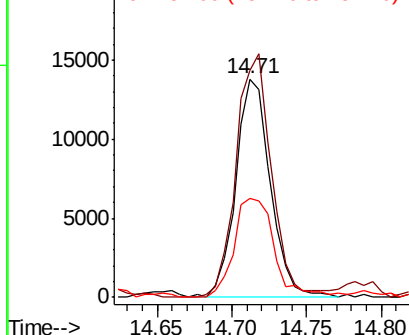


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 3.553 ng

RT: 15.70 min Scan# 2146

Delta R.T. 0.00 min

Lab File: BG043335.D

Acq: 24 Oct 2019 17:31

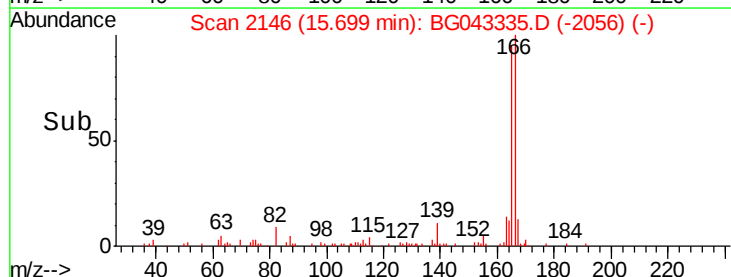
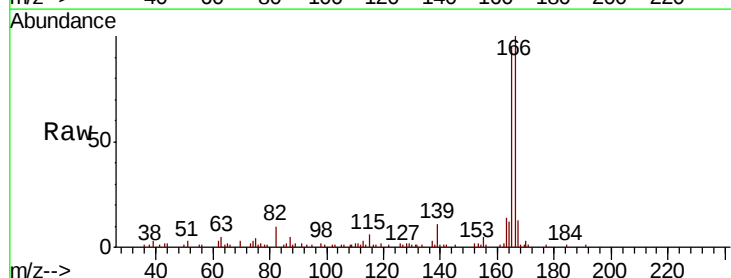
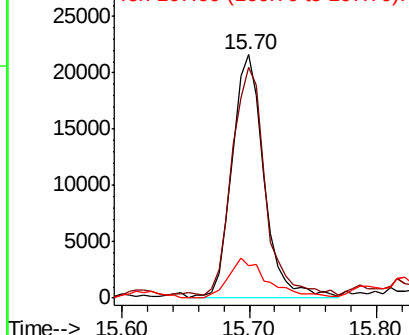
Tgt Ion:	166	Resp:	37763
Ion	Ratio	Lower	Upper
166	100		
165	94.9	76.4	114.6
167	13.3	11.1	16.7

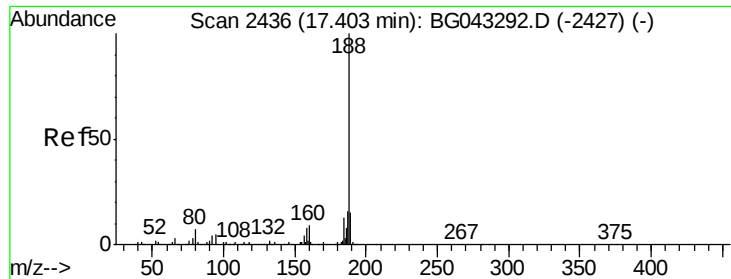
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG043335.D

Acq: 24 Oct 2019 17:31

Instrument :

BNA_G

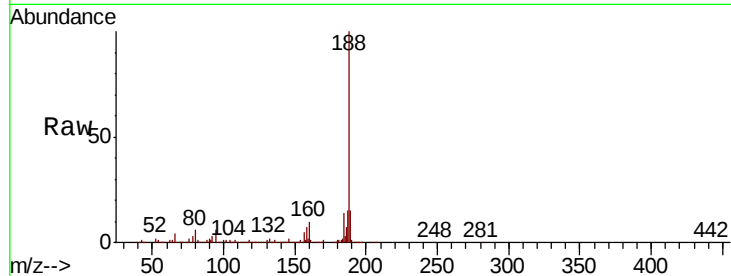
ClientSampleId :

193-26-(0-1)

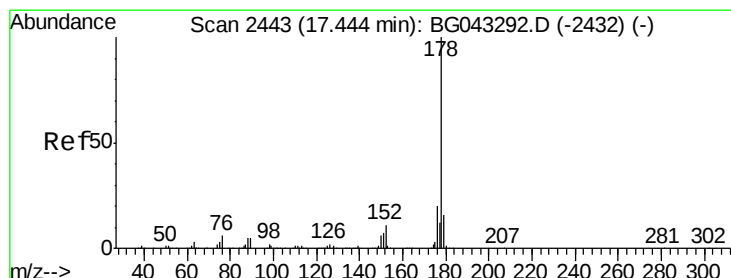
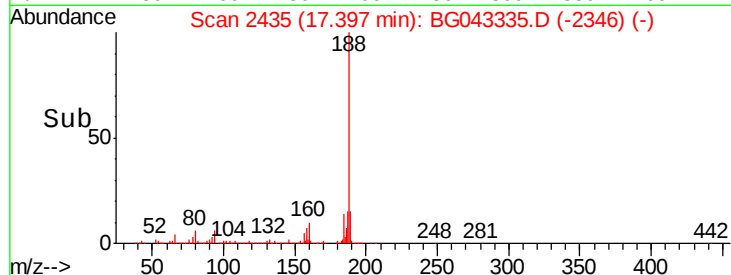
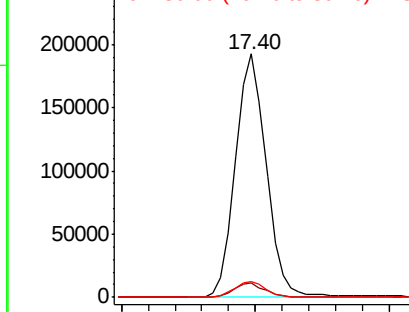
Tot Ion	188	Resp	308950
Ion Ratio	Lower	Upper	
188	100		
94	6.0	4.2	6.2
80	6.3	5.2	7.8

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



#71

Phenanthrene

Concen: 42.850 ng

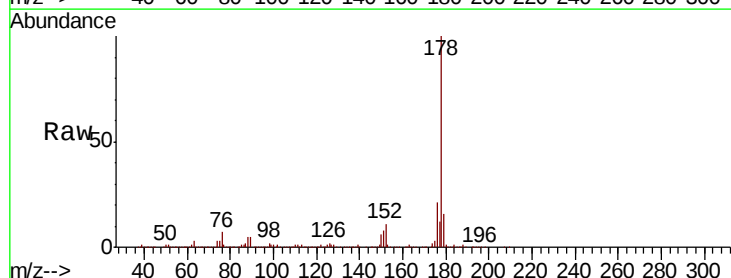
RT: 17.44 min Scan# 2442

Delta R.T. -0.01 min

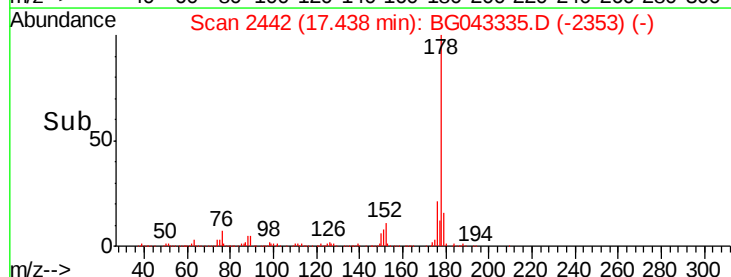
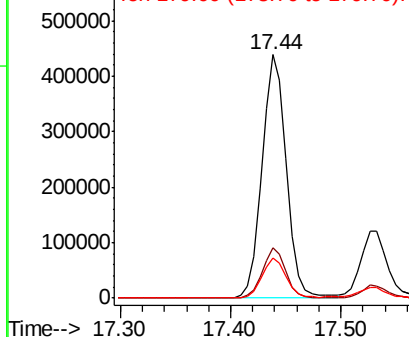
Lab File: BG043335.D

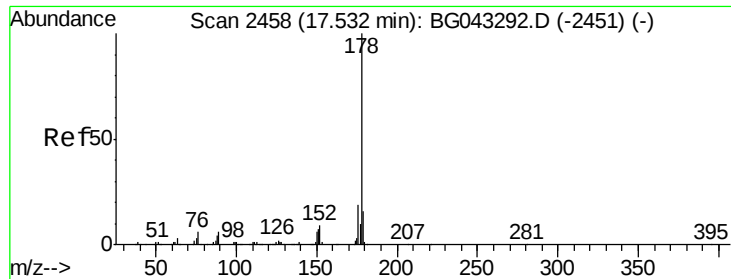
Acq: 24 Oct 2019 17:31

Tgt Ion	178	Resp	677910
Ion Ratio	Lower	Upper	
178	100		
176	20.5	15.8	23.8
179	16.2	13.1	19.7



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





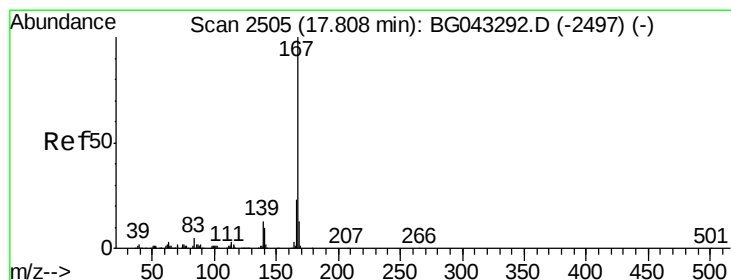
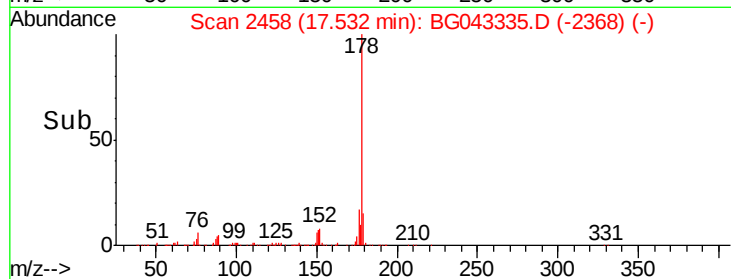
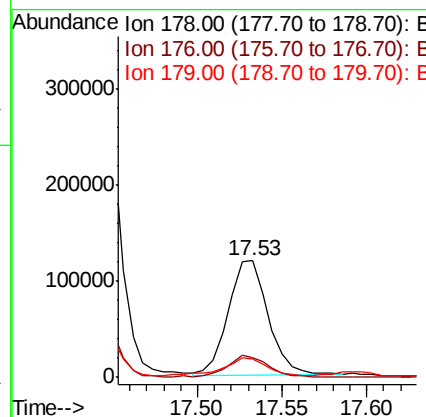
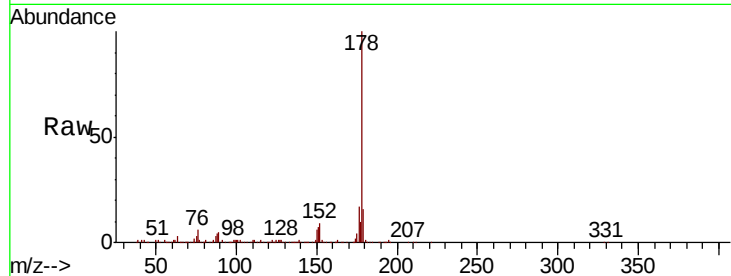
#72
 Anthracene
 Concen: 12.200 ng
 RT: 17.53 min Scan# 2458
 Delta R.T. 0.00 min
 Lab File: BG043335.D
 Acq: 24 Oct 2019 17:31

Instrument :
 BNA_G
 ClientSampleId :
 193-26-(0-1)

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.1	22.7
179	16.1	13.0	19.6

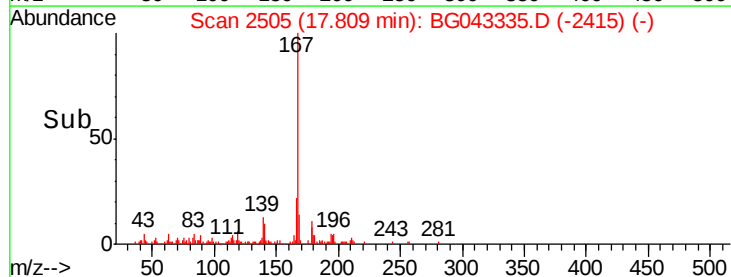
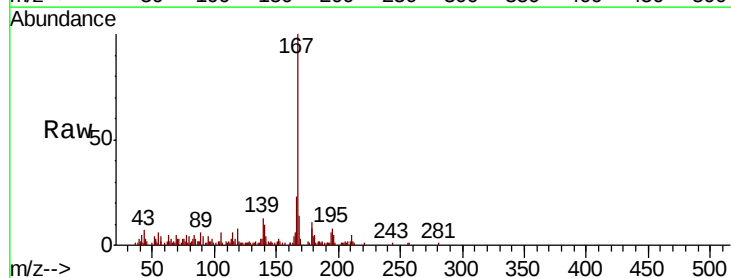
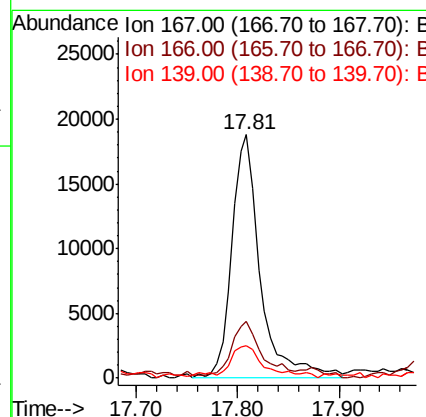
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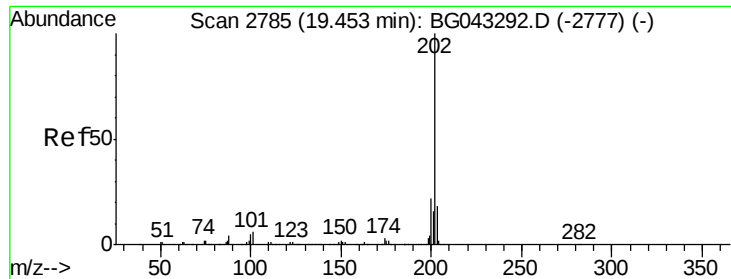
mohammad
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#73
 Carbazole
 Concen: 2.569 ng
 RT: 17.81 min Scan# 2505
 Delta R.T. 0.00 min
 Lab File: BG043335.D
 Acq: 24 Oct 2019 17:31

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.3	18.4	27.6
139	13.1	10.2	15.4





#75

Fluoranthene

Concen: 61.184 ng

RT: 19.45 min Scan# 2784

Delta R.T. -0.01 min

Lab File: BG043335.D

Acq: 24 Oct 2019 17:31

Instrument :

BNA_G

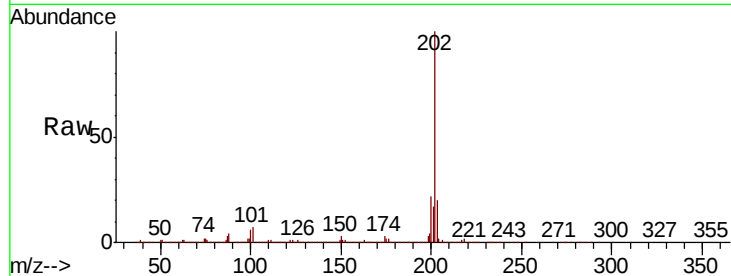
ClientSampleId :

193-26-(0-1)

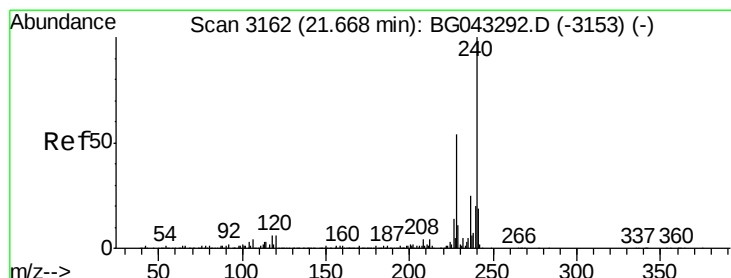
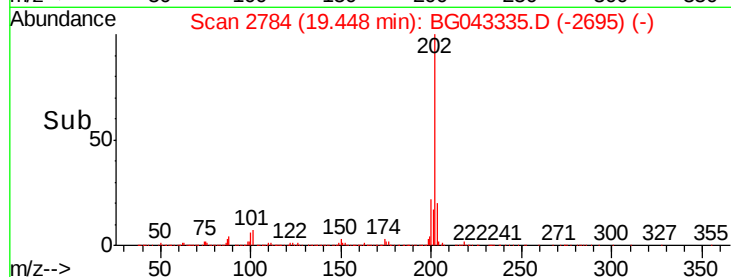
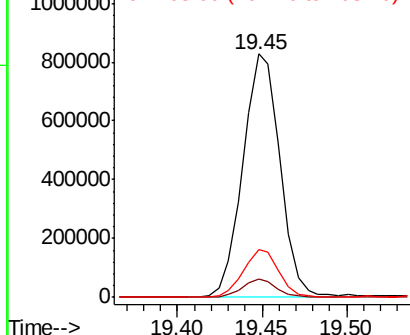
Tot Ion:	202	Resp:	1261924
Ion	Ratio	Lower	Upper
202	100		
101	7.4	0.0	26.0
203	19.7	0.0	38.2

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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

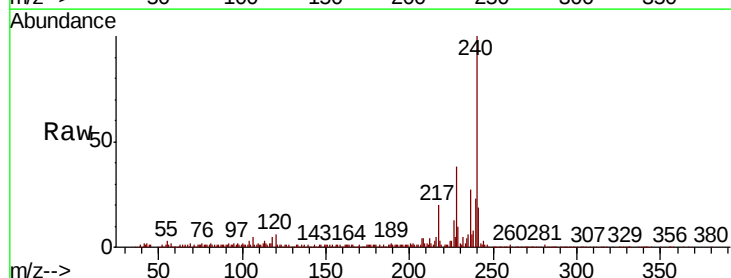
RT: 21.67 min Scan# 3162

Delta R.T. 0.00 min

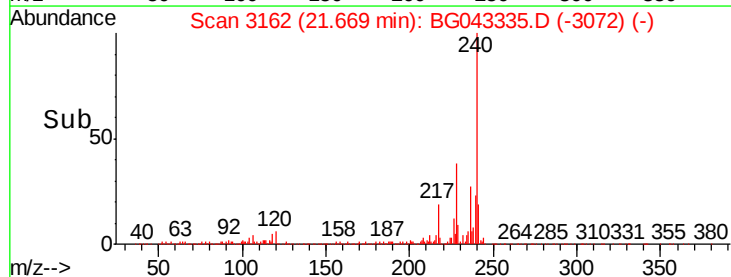
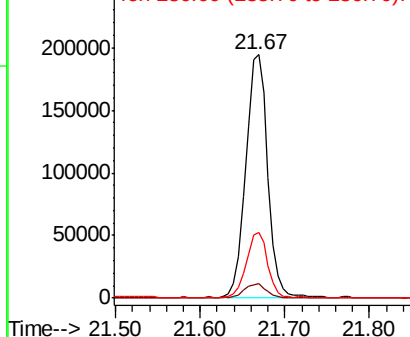
Lab File: BG043335.D

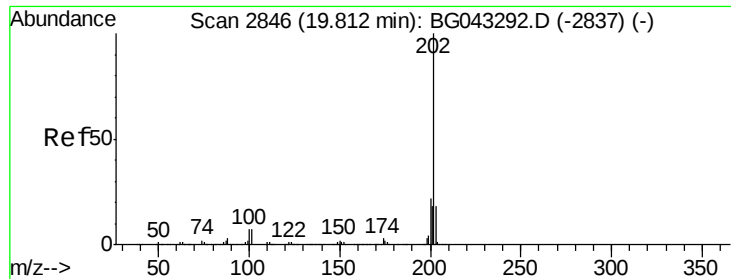
Acq: 24 Oct 2019 17:31

Tgt Ion:	240	Resp:	350408
Ion	Ratio	Lower	Upper
240	100		
120	6.1	4.6	7.0
236	27.0	20.2	30.4



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





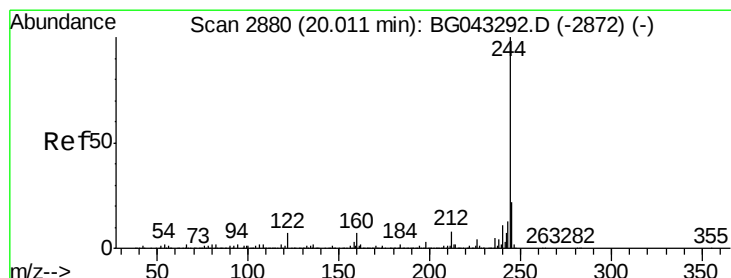
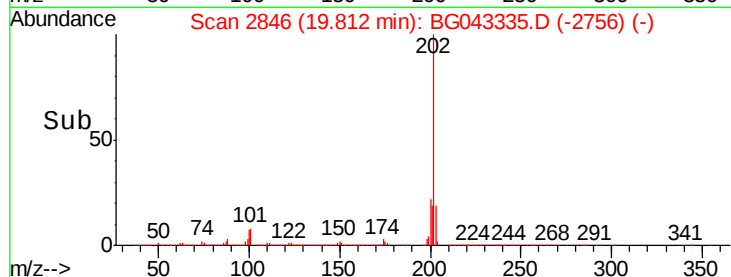
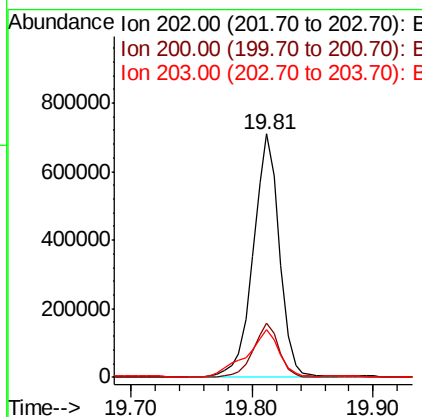
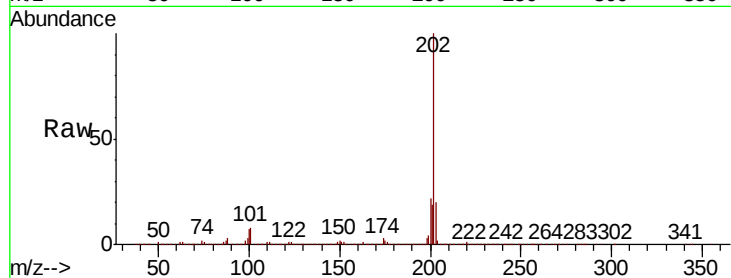
#78
Pvrene
Concen: 49.254 ng
RT: 19.81 min Scan# 2846
Delta R.T. 0.00 min
Lab File: BG043335.D
Acq: 24 Oct 2019 17:31

Instrument :
BNA_G
ClientSampleId :
193-26-(0-1)

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.3	25.9
203	19.6	14.5	21.7

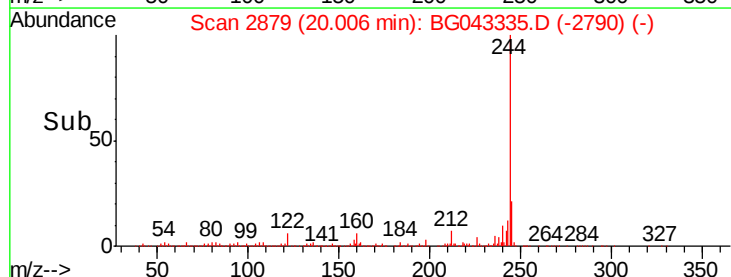
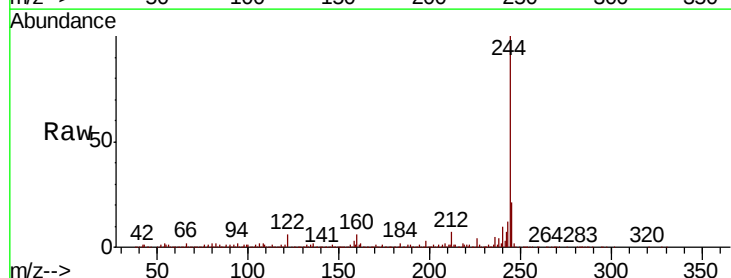
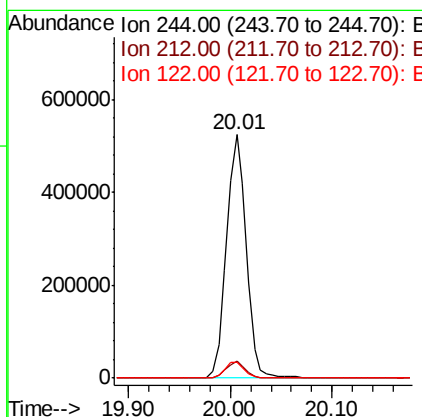
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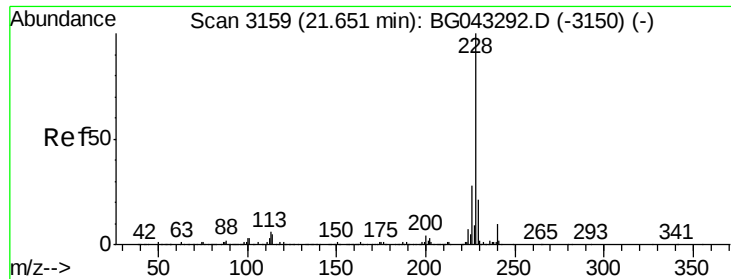
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#79
Terphenyl-d14
Concen: 38.166 ng
RT: 20.01 min Scan# 2879
Delta R.T. -0.01 min
Lab File: BG043335.D
Acq: 24 Oct 2019 17:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.4	9.6
122	6.4	5.3	7.9





#81

Benzo(a)anthracene

Concen: 29.998 ng

RT: 21.65 min Scan# 3158

Delta R.T. -0.01 min

Lab File: BG043335.D

Acq: 24 Oct 2019 17:31

Instrument :

BNA_G

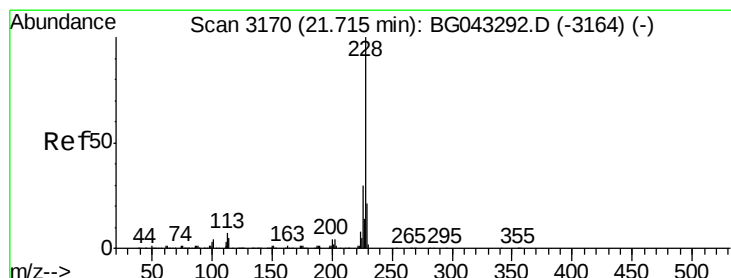
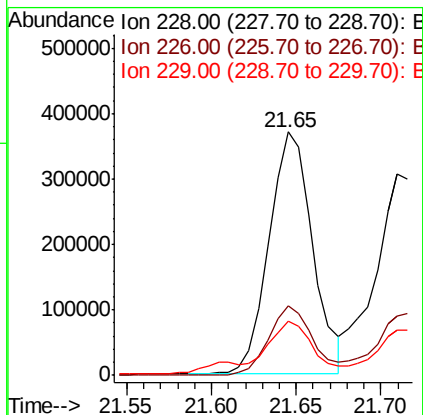
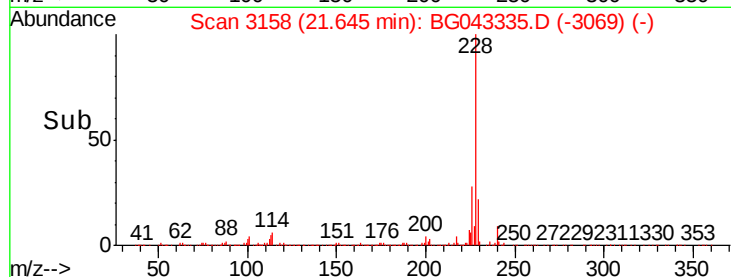
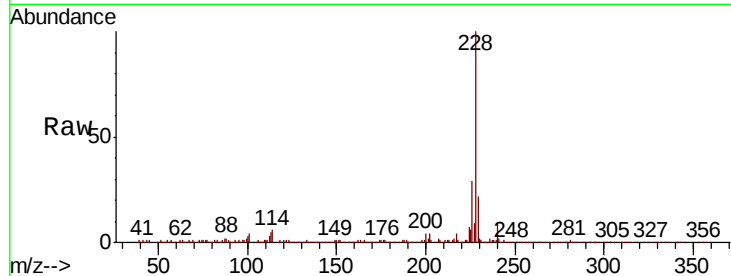
ClientSampleId :

193-26-(0-1)

Tot Ion:	228	Resp:	658426
Ion Ratio	Lower	Upper	
228	100		
226	28.7	22.2	33.4
229	22.1	16.9	25.3

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#83

Chrysene

Concen: 27.214 ng

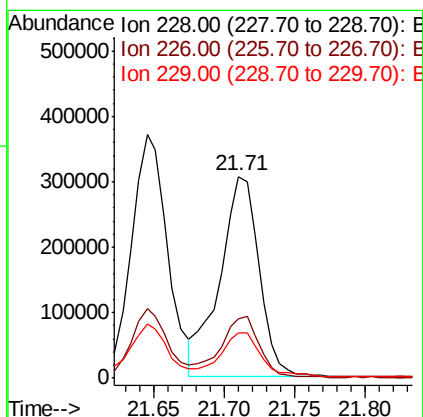
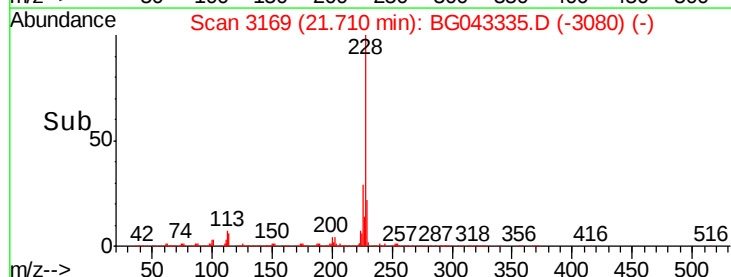
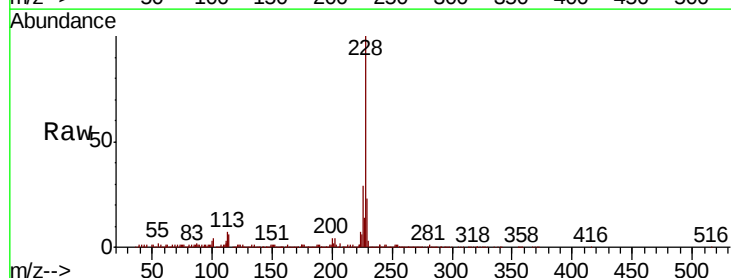
RT: 21.71 min Scan# 3169

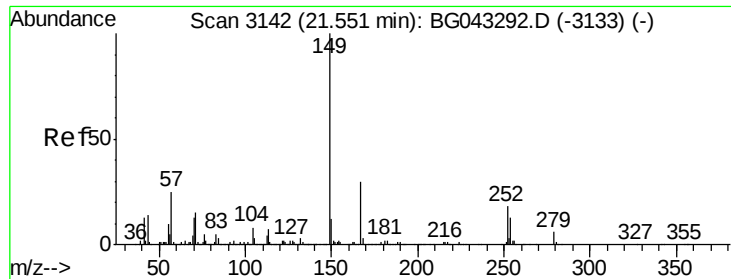
Delta R.T. -0.01 min

Lab File: BG043335.D

Acq: 24 Oct 2019 17:31

Tgt Ion:	228	Resp:	593483
Ion Ratio	Lower	Upper	
228	100		
226	29.4	23.8	35.8
229	22.5	16.3	24.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 14.179 ng

RT: 21.55 min Scan# 3142

Delta R.T. 0.00 min

Lab File: BG043335.D

Acq: 24 Oct 2019 17:31

Instrument :

BNA_G

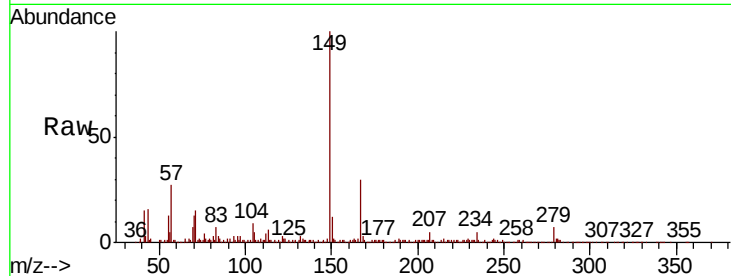
ClientSampleId :

193-26-(0-1)

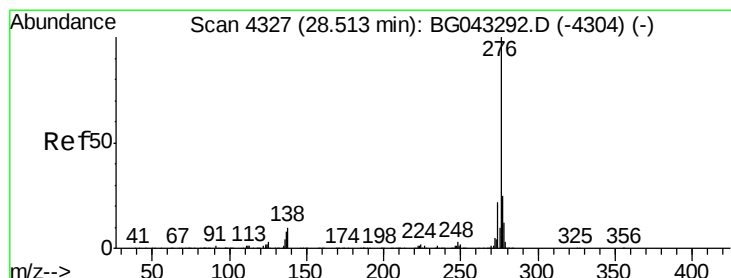
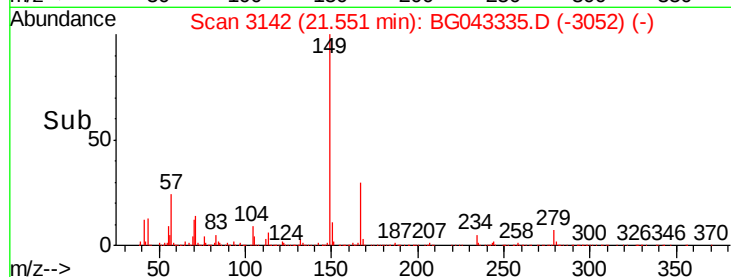
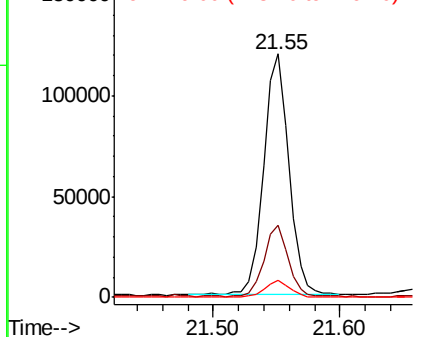
Tot Ion:	149	Resp:	165514
Ion Ratio	Lower	Upper	
149	100		
167	29.7	23.9	35.9
279	7.1	4.8	7.2

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 12.462 ng

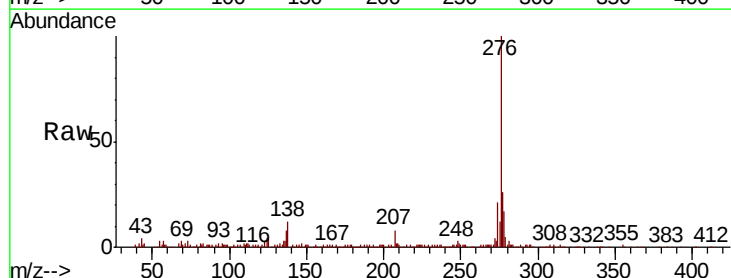
RT: 28.51 min Scan# 4327

Delta R.T. 0.00 min

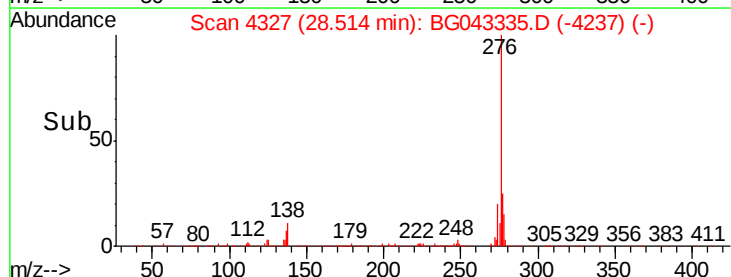
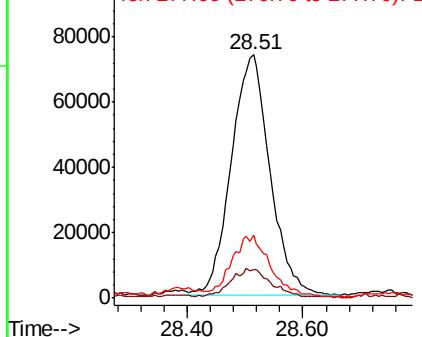
Lab File: BG043335.D

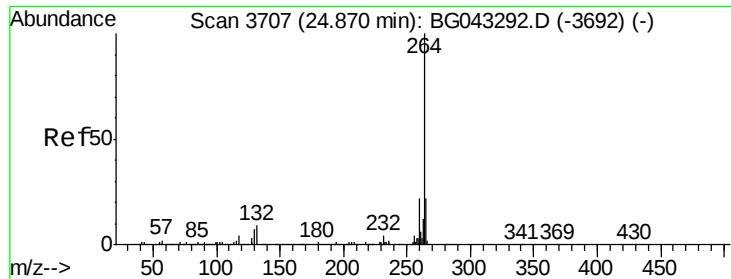
Acq: 24 Oct 2019 17:31

Tgt Ion:	276	Resp:	341155
Ion Ratio	Lower	Upper	
276	100		
138	11.8	7.2	10.8#
277	24.8	20.9	31.3



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

Pervlene-d12

Concen: 20.000 ng

RT: 24.87 min Scan# 3707

Delta R.T. 0.00 min

Lab File: BG043335.D

Acq: 24 Oct 2019 17:31

Instrument :

BNA_G

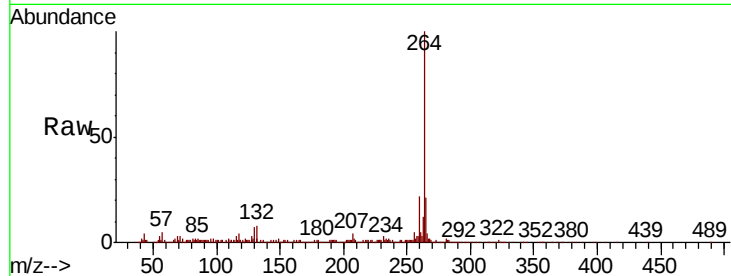
ClientSampleId :

193-26-(0-1)

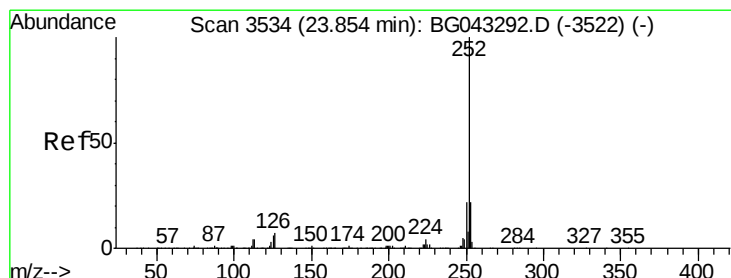
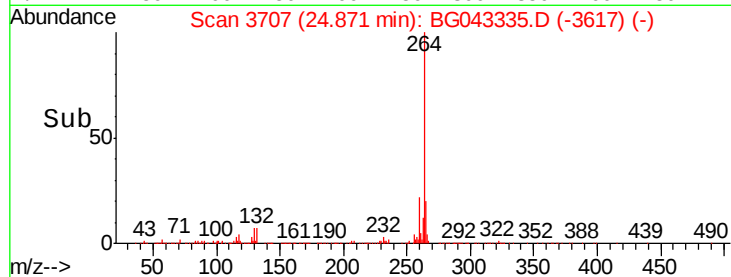
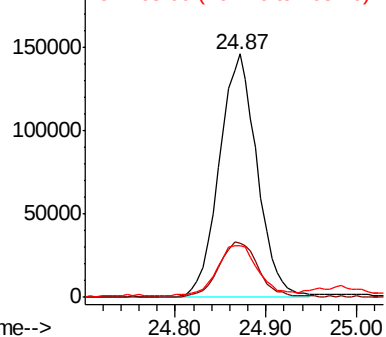
Tot Ion:	264	Resp:	419178
Ion Ratio	Lower	Upper	
264	100		
260	22.3	17.9	26.9
265	21.0	17.4	26.2

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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: 29.596 ng

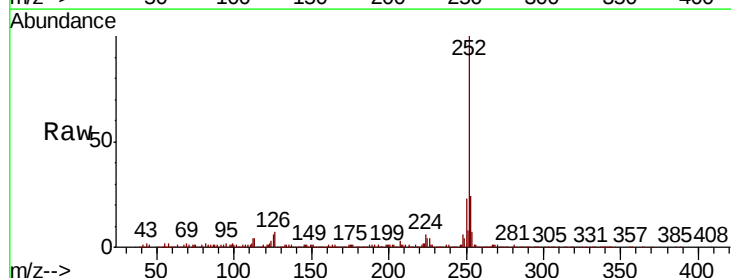
RT: 23.85 min Scan# 3534

Delta R.T. 0.00 min

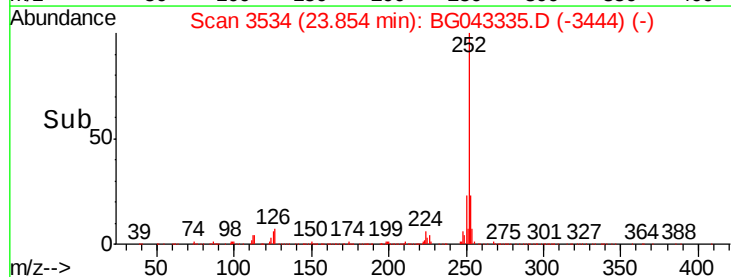
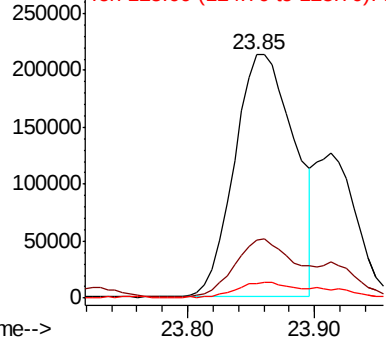
Lab File: BG043335.D

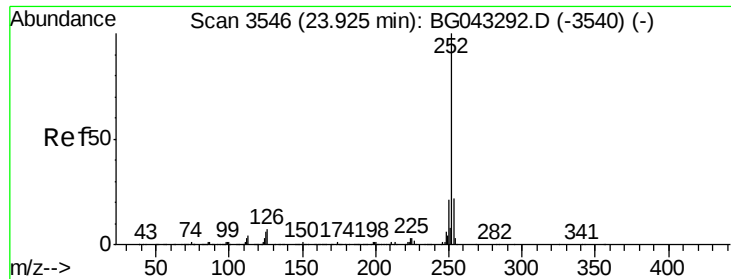
Acq: 24 Oct 2019 17:31

Tgt Ion:	252	Resp:	702637
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.4	26.2
125	6.1	5.0	7.6



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: 12.076 ng

RT: 23.91 min Scan# 3544

Delta R.T. -0.01 min

Lab File: BG043335.D

Acq: 24 Oct 2019 17:31

Instrument :

BNA_G

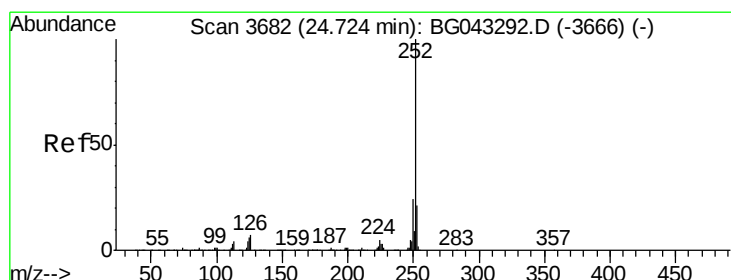
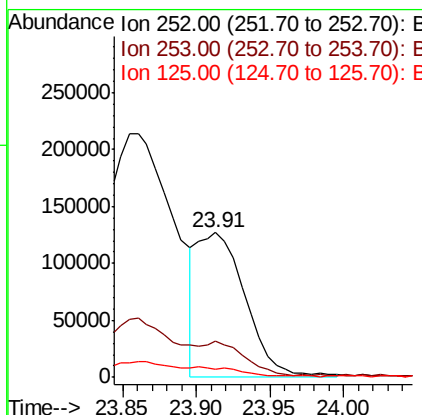
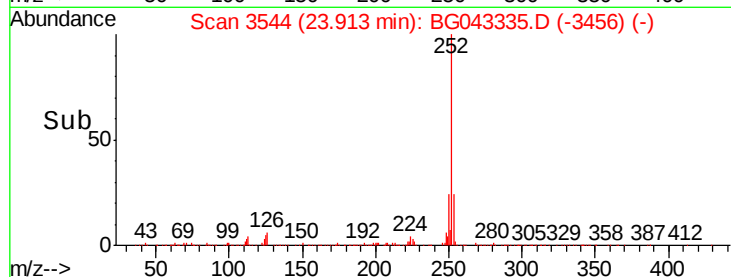
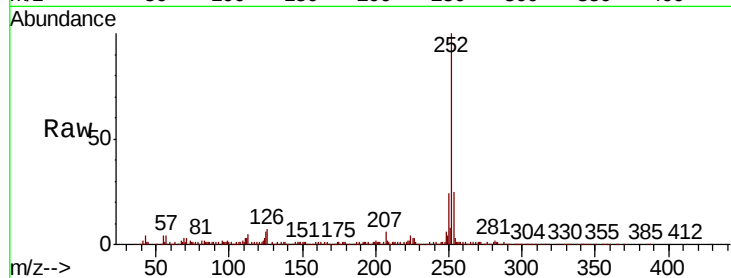
ClientSampleId :

193-26-(0-1)

Tot Ion:	252	Resp:	288615
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.6	26.4
125	5.5	4.5	6.7

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#90

Benzo(a)pyrene

Concen: 22.954 ng

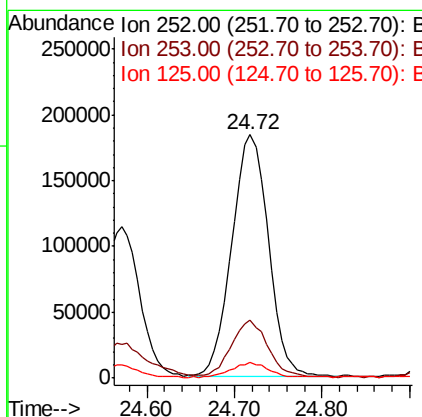
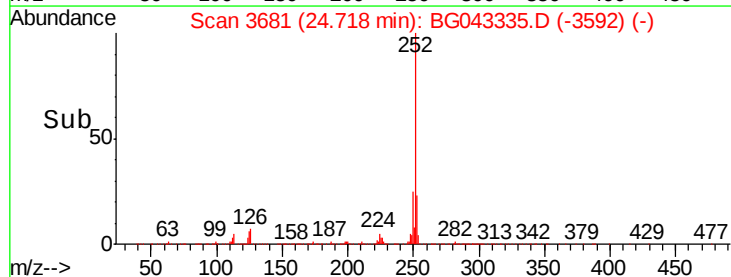
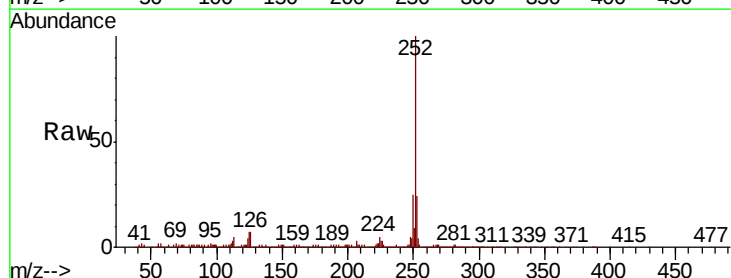
RT: 24.72 min Scan# 3681

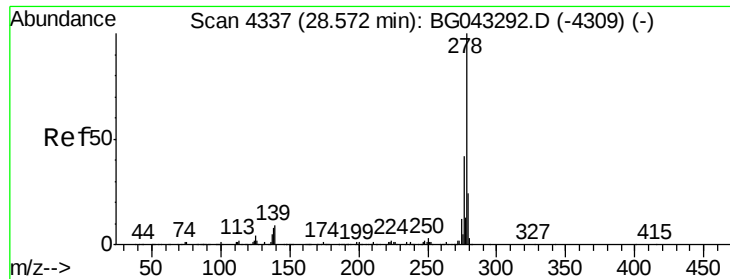
Delta R.T. -0.01 min

Lab File: BG043335.D

Acq: 24 Oct 2019 17:31

Tgt Ion:	252	Resp:	520380
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.2	25.8
125	6.6	5.0	7.6





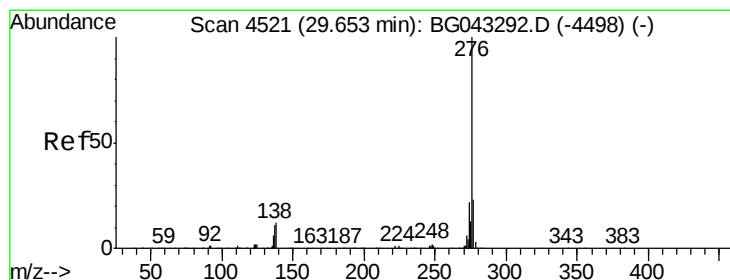
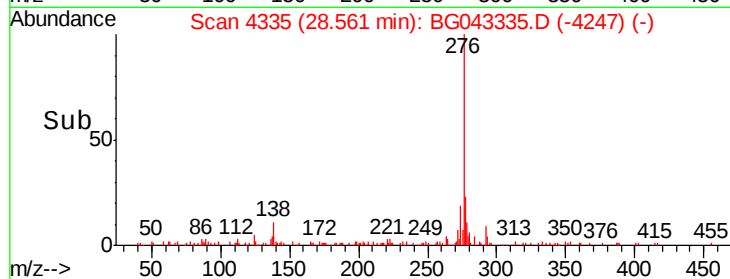
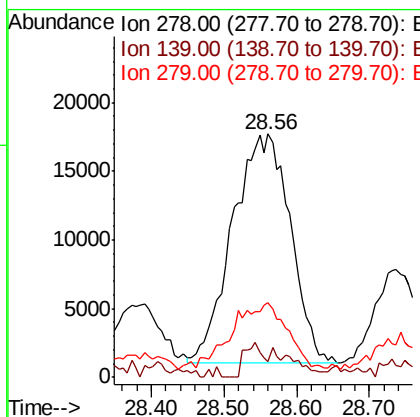
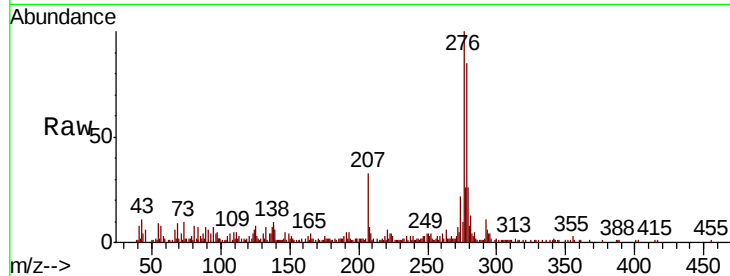
#91
Dibenzo(a,h)anthracene
Concen: 3.978 ng m
RT: 28.56 min Scan# 4335
Delta R.T. -0.01 min
Lab File: BG043335.D
Acq: 24 Oct 2019 17:31

Instrument :
BNA_G
ClientSampleId :
193-26-(0-1)

Tot Ion	Ratio	Lower	Upper
278	100		
139	6.7	6.8	10.2#
279	30.9	19.0	28.6#

Manual Integrations
APPROVED

mohammad
10/25/2019 8:07:34 AM



#92
Benzo(g,h,i)perylene
Concen: 13.978 ng
RT: 29.65 min Scan# 4520
Delta R.T. -0.01 min
Lab File: BG043335.D
Acq: 24 Oct 2019 17:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	18.3	27.5
138	12.7	9.3	13.9

