

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051120\
 Data File : BG045320.D
 Acq On : 12 May 2020 8:03
 Operator : CG/JU
 Sample : L2540-04 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HAR-STOCK

Manual Integrations
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mohammad
 5/13/2020 8:15:32 AM

Quant Time: May 12 08:48:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 11 13:27:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.98	152	86490	20.00	ng	0.00
21) Naphthalene-d8	10.79	136	352915	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	244214	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	483730	20.00	ng	0.00
76) Chrysene-d12	21.63	240	410453	20.00	ng	0.00
87) Perylene-d12	24.80	264	467826	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	36119	6.89	ng	0.00
7) Phenol-d6	7.14	99	54205	6.96	ng	0.00
23) Nitrobenzene-d5	9.14	82	38580	4.99	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	25411	6.74	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	98825	5.93	ng	0.00
79) Terphenyl-d14	19.98	244	125089	6.64	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.41	178	161111	6.48	ng	96
72) Anthracene	17.50	178	50727	2.03	ng	98
75) Fluoranthene	19.42	202	318015	5.46	ng	98
78) Pyrene	19.78	202	764695	27.02	ng	97
81) Benzo(a)anthracene	21.61	228	226941	8.53	ng	96
83) Chrysene	21.68	228	239878m	9.38	ng	
86) Indeno(1,2,3-cd)pyrene	28.39	276	135037	3.98	ng	# 93
88) Benzo(b)fluoranthene	23.80	252	217806	7.43	ng	95
89) Benzo(k)fluoranthene	23.86	252	60571m	2.17	ng	
90) Benzo(a)pyrene	24.65	252	245803	8.88	ng	100
92) Benzo(g,h,i)perylene	29.50	276	200732	7.18	ng	96

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

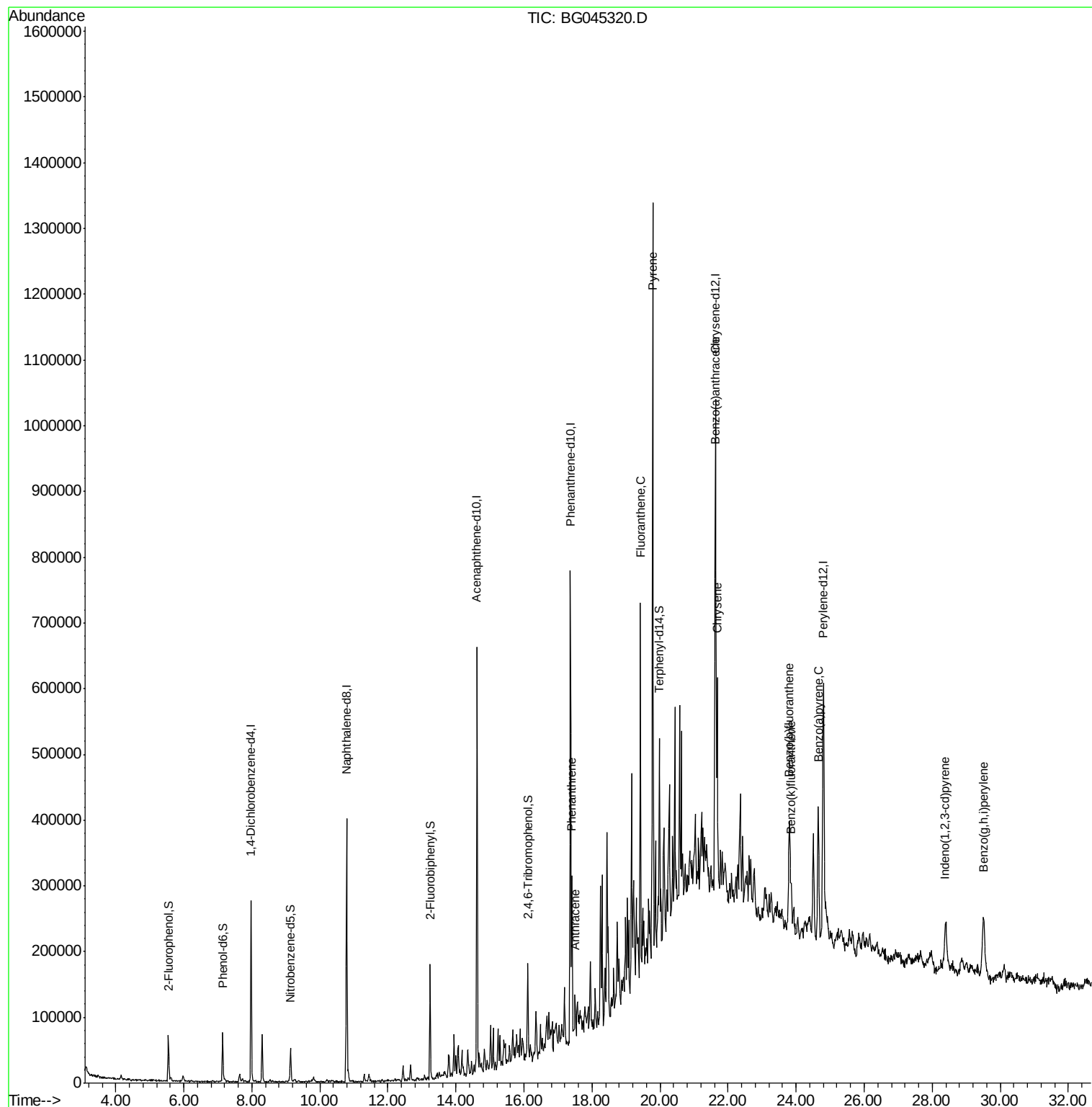
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051120\
Data File : BG045320.D
Acq On : 12 May 2020 8:03
Operator : CG/JU
Sample : L2540-04 10X
Misc :
ALS Vial : 28 Sample Multiplier: 1

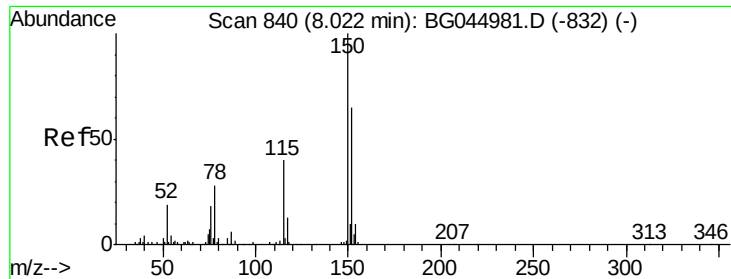
Instrument :
BNA_G
ClientSampleId :
HAR-STOCK

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QLast Update : Mon May 11 13:27:41 2020
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.98 min Scan# 832

Delta R.T. -0.00 min

Lab File: BG045320.D

Acq: 12 May 2020 8:03

Instrument :

BNA_G

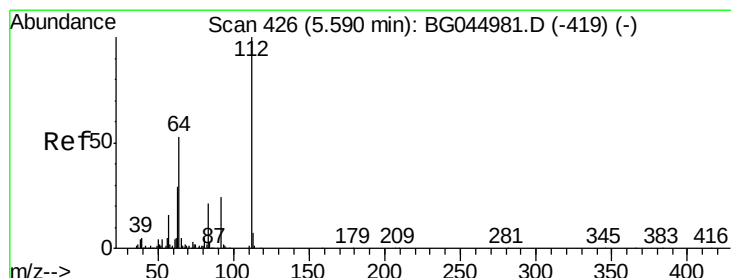
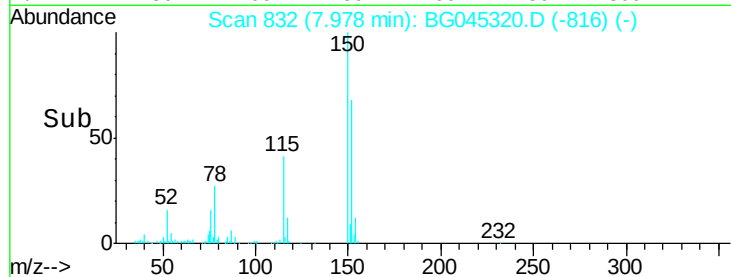
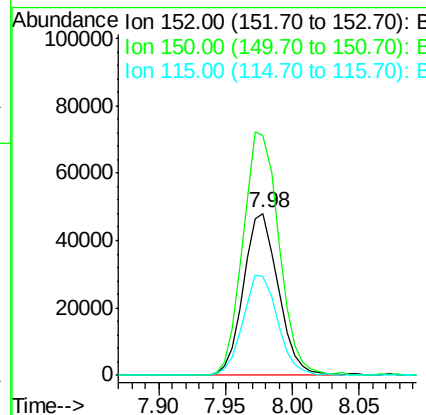
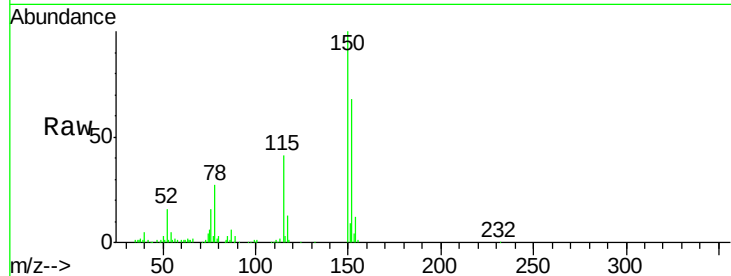
ClientSampleId :

HAR-STOCK

Tgt	Ion:152	Resp:	86490
Ion	Ratio	Lower	Upper
152	100		
150	147.9	123.6	185.4
115	60.7	49.1	73.7

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#5

2-Fluorophenol

Concen: 6.89 ng

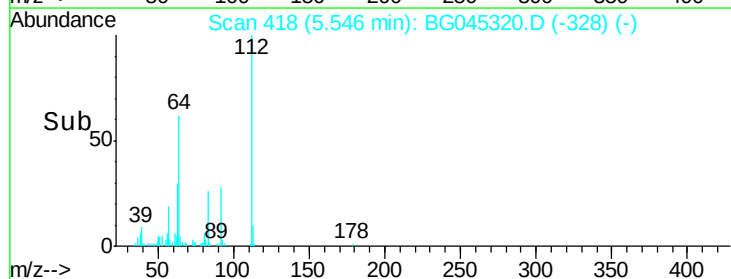
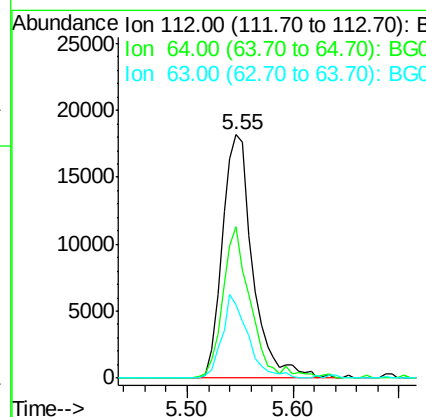
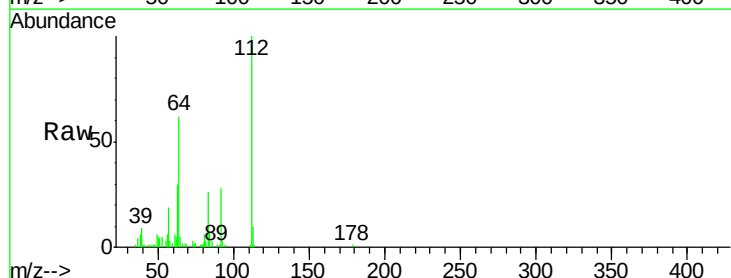
RT: 5.55 min Scan# 418

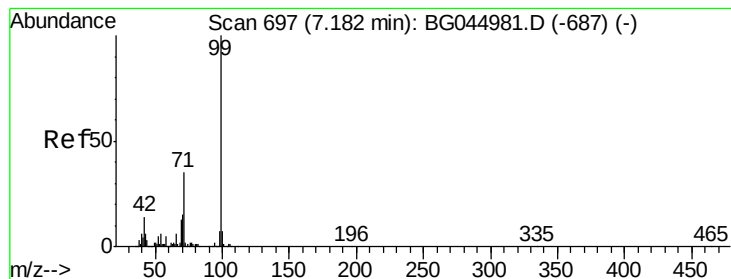
Delta R.T. -0.00 min

Lab File: BG045320.D

Acq: 12 May 2020 8:03

Tgt	Ion:112	Resp:	36119
Ion	Ratio	Lower	Upper
112	100		
64	62.4	42.4	63.6
63	30.4	23.1	34.7





#7

Phenol-d6

Concen: 6.96 ng

RT: 7.14 min Scan# 689

Delta R.T. -0.01 min

Lab File: BG045320.D

Acq: 12 May 2020 8:03

Instrument :

BNA_G

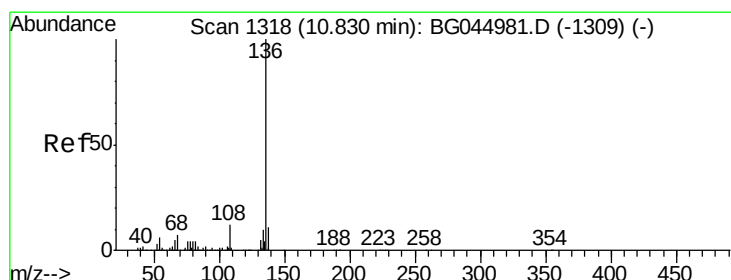
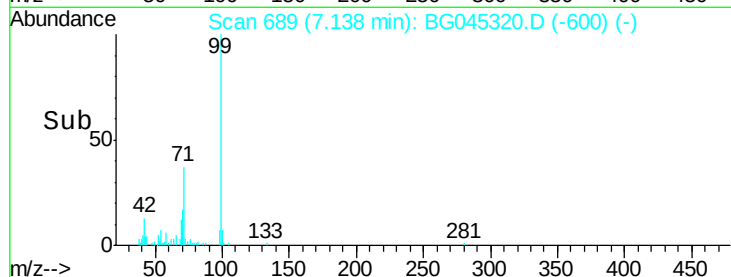
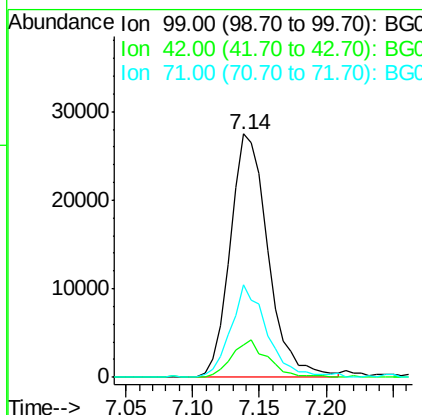
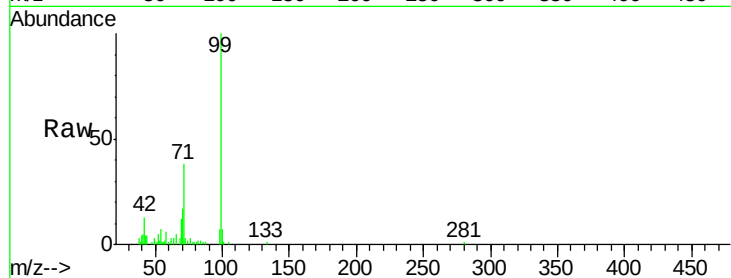
ClientSampleId :

HAR-STOCK

Tgt Ion:	99	Resp:	54205
Ion Ratio	Lower	Upper	
99	100		
42	13.1	11.3	16.9
71	37.9	28.3	42.5

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#21

Naphthalene-d8

Concen: 20.00 ng

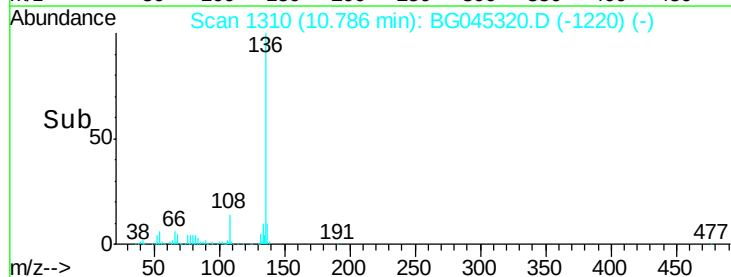
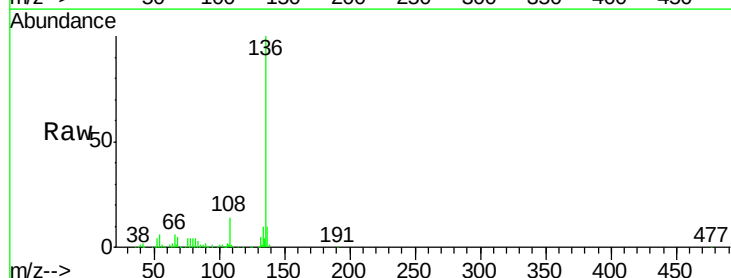
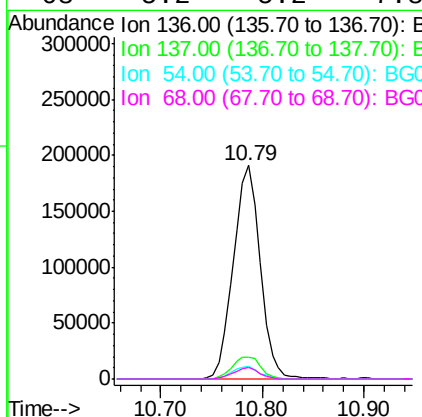
RT: 10.79 min Scan# 1310

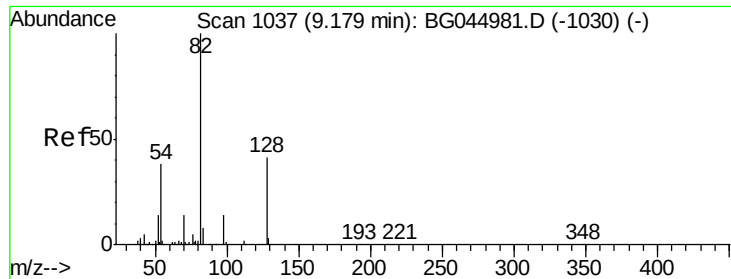
Delta R.T. -0.00 min

Lab File: BG045320.D

Acq: 12 May 2020 8:03

Tgt Ion:	136	Resp:	352915
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.6	13.0
54	5.9	4.8	7.2
68	5.2	5.2	7.8#





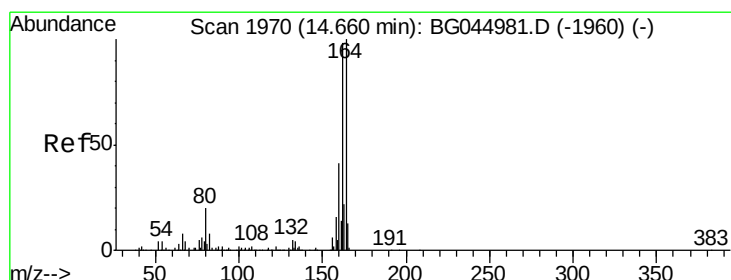
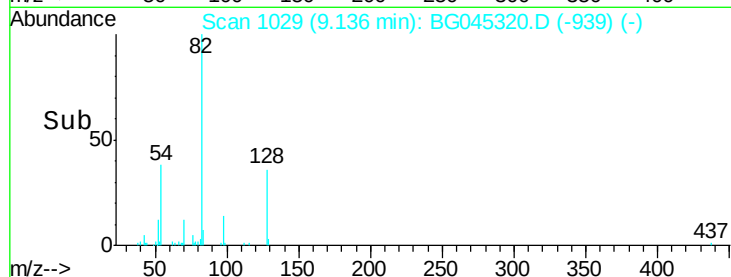
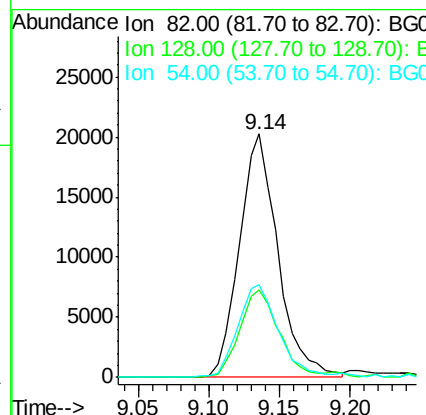
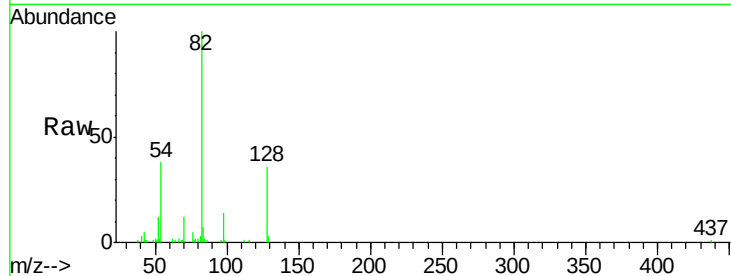
#23
 Nitrobenzene-d5
 Concen: 4.99 ng
 RT: 9.14 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: BG045320.D
 Acq: 12 May 2020 8:03

Instrument :
 BNA_G
 ClientSampled :
 HAR-STOCK

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	38580		
128	35.8	33.0	49.4	
54	38.3	30.4	45.6	

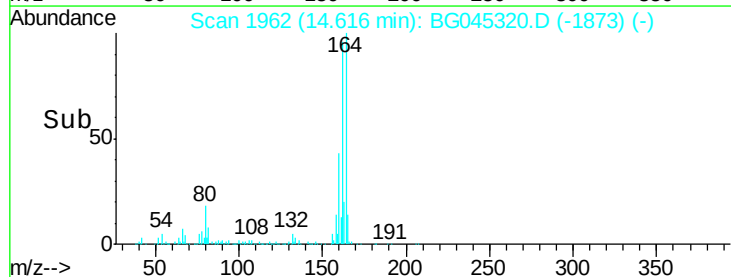
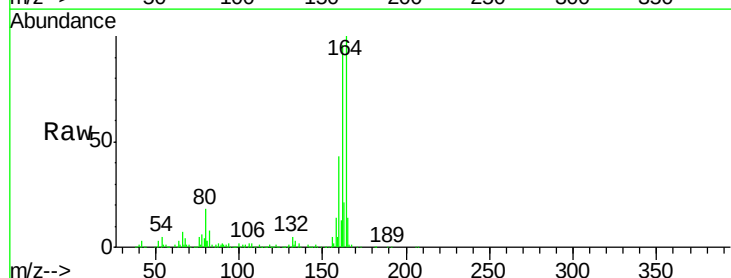
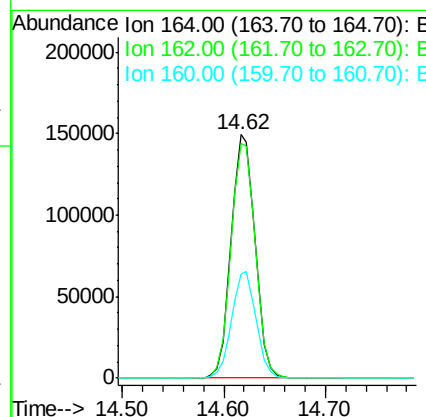
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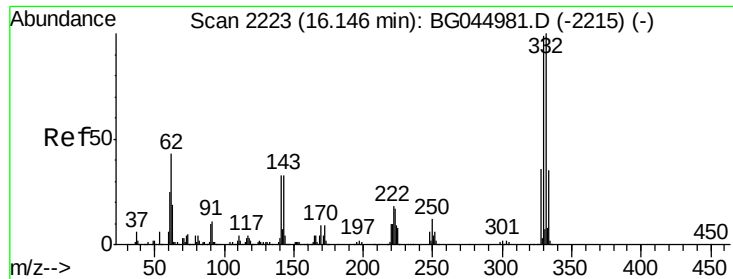
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#39
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.62 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: BG045320.D
 Acq: 12 May 2020 8:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	244214		
162	96.1	78.7	118.1	
160	42.9	32.8	49.2	





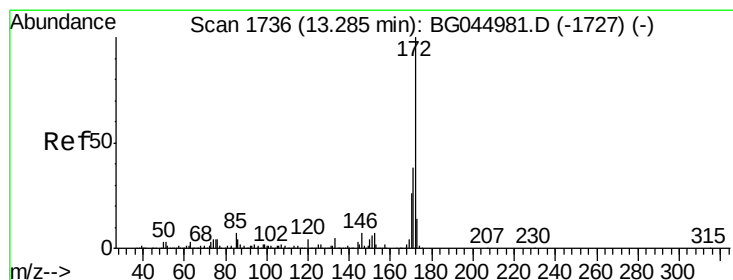
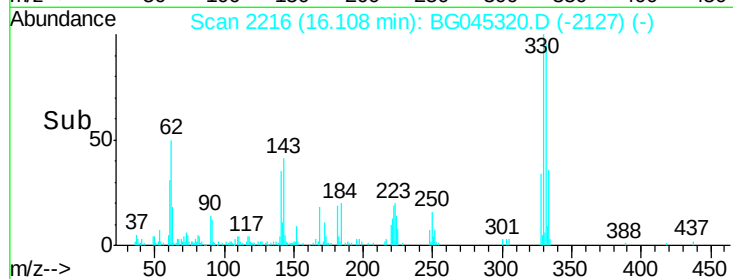
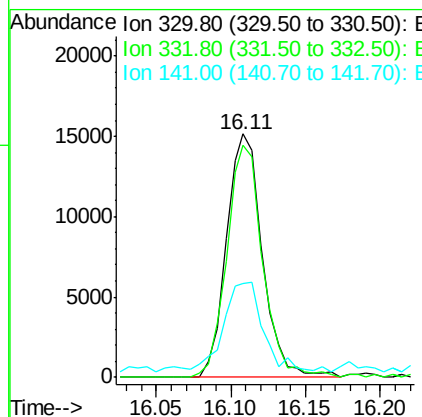
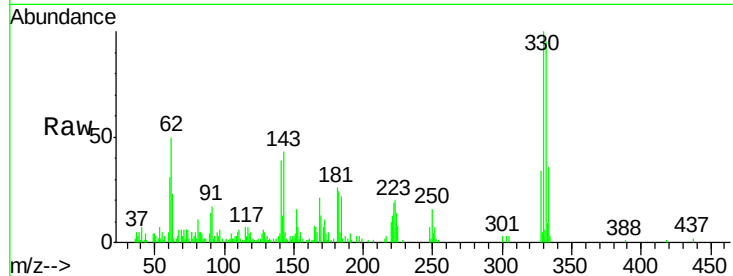
#42
 2,4,6-Tribromophenol
 Concen: 6.74 ng
 RT: 16.11 min Scan# 2216
 Delta R.T. -0.01 min
 Lab File: BG045320.D
 Acq: 12 May 2020 8:03

Instrument :
 BNA_G
 ClientSampleId :
 HAR-STOCK

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	25411		
332	95.5	79.1	118.7	
141	41.0	27.1	40.7#	

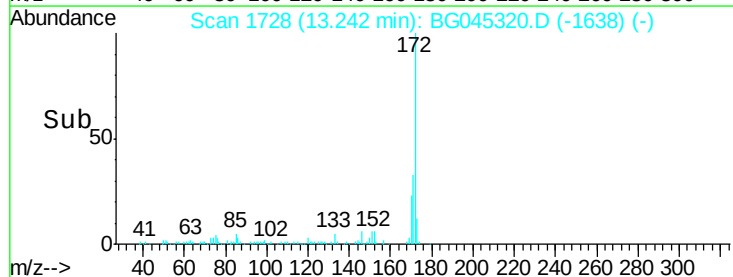
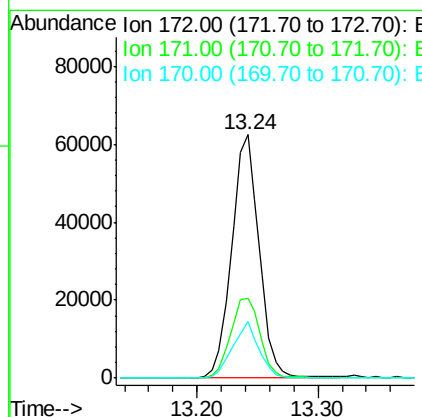
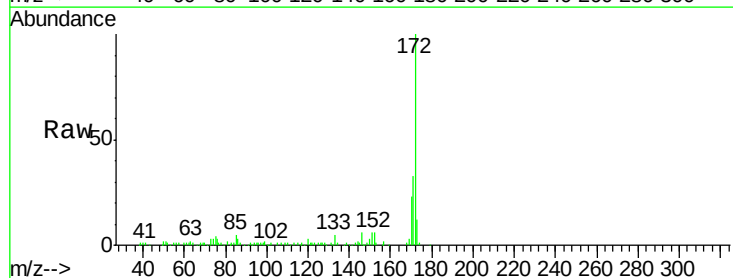
Manual Integrations
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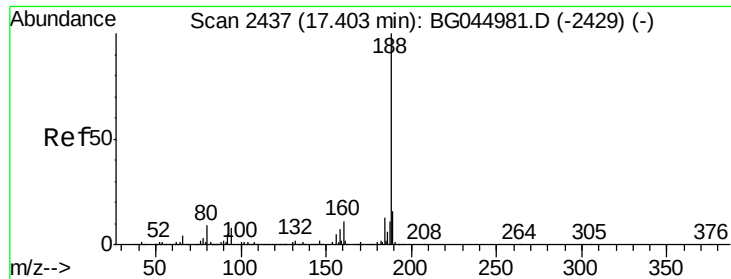
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#45
 2-Fluorobiphenyl
 Concen: 5.93 ng
 RT: 13.24 min Scan# 1728
 Delta R.T. -0.00 min
 Lab File: BG045320.D
 Acq: 12 May 2020 8:03

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	98825		
171	32.9	30.6	46.0	
170	23.4	20.5	30.7	





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.37 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BG045320.D

Acq: 12 May 2020 8:03

Instrument :

BNA_G

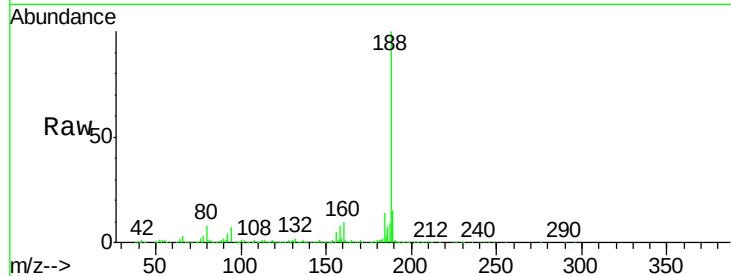
ClientSampleId :

HAR-STOCK

Tgt Ion:	188	Resp:	483730
Ion Ratio	Lower	Upper	
188	100		
94	7.3	6.2	9.4
80	8.4	7.0	10.6

Manual Integrations
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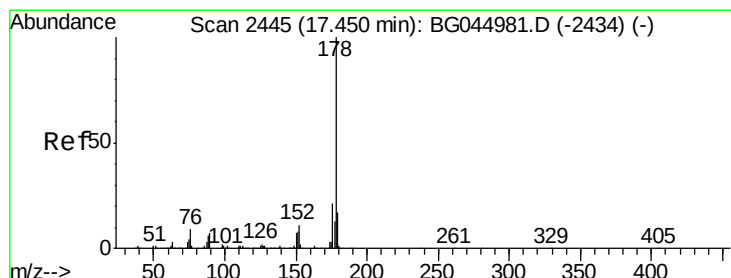
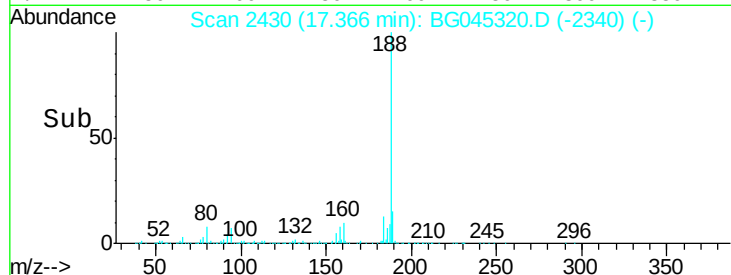
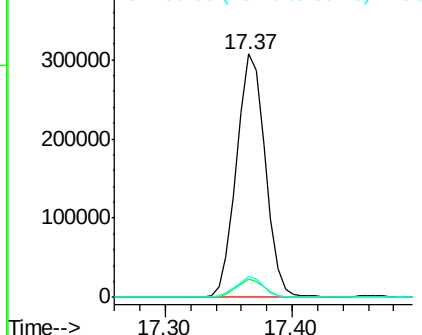
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#71

Phenanthrene

Concen: 6.48 ng

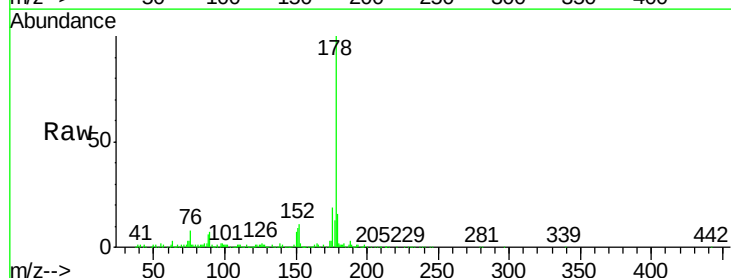
RT: 17.41 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG045320.D

Acq: 12 May 2020 8:03

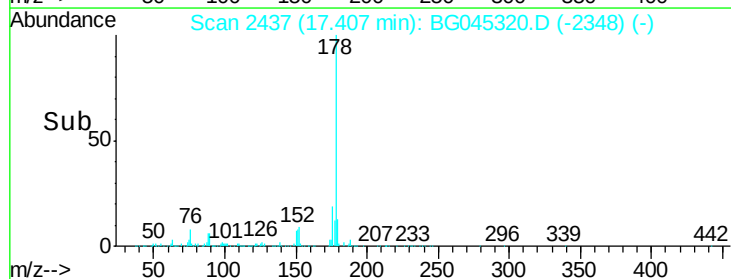
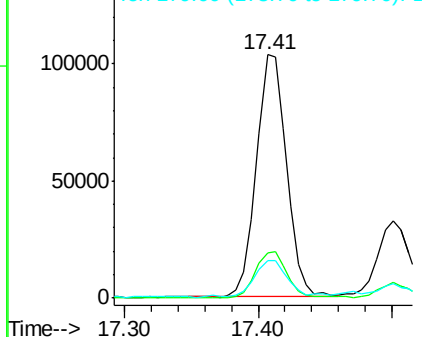
Tgt Ion:	178	Resp:	161111
Ion Ratio	Lower	Upper	
178	100		
176	18.5	16.8	25.2
179	15.6	13.2	19.8

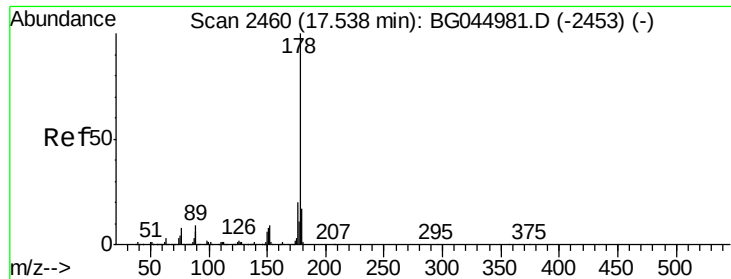


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.03 ng

RT: 17.50 min Scan# 2453

Delta R.T. -0.00 min

Lab File: BG045320.D

Acq: 12 May 2020 8:03

Instrument :

BNA_G

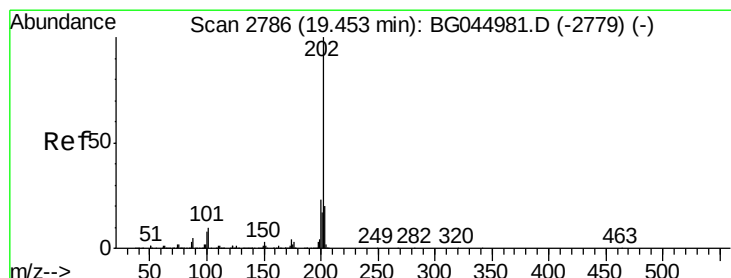
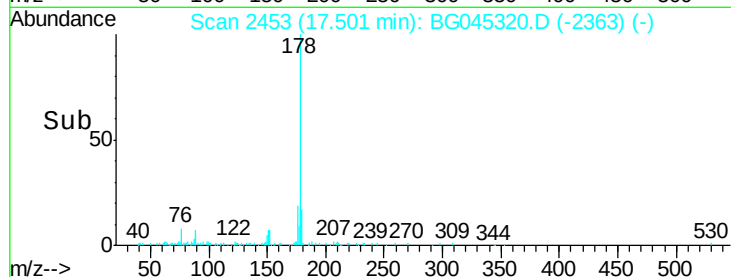
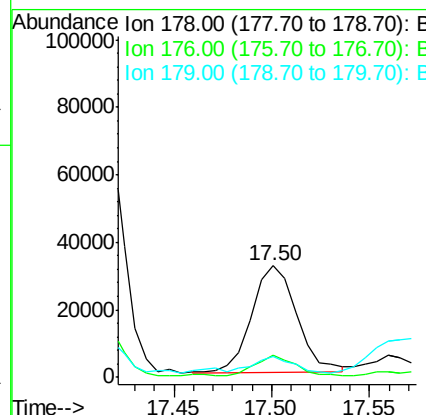
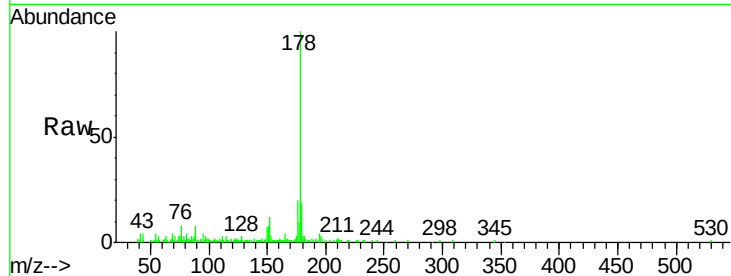
ClientSampleId :

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Tgt Ion:	178	Resp:	50727
Ion Ratio	Lower	Upper	
178	100		
176	19.9	16.0	24.0
179	18.7	13.6	20.4

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#75

Fluoranthene

Concen: 5.46 ng

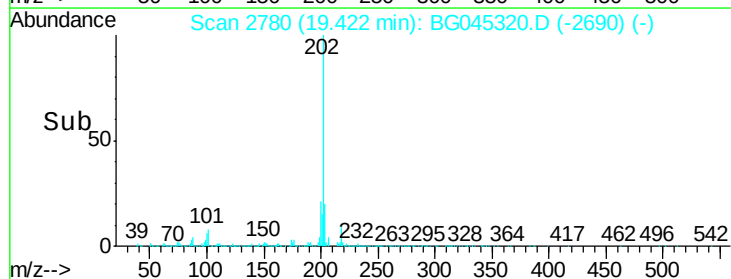
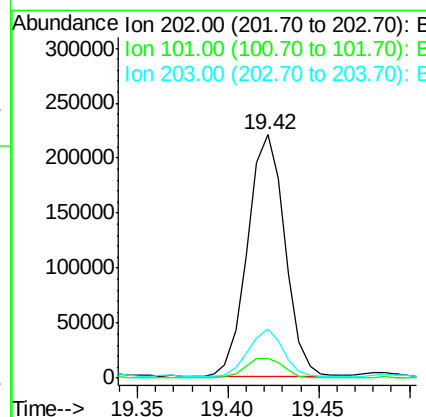
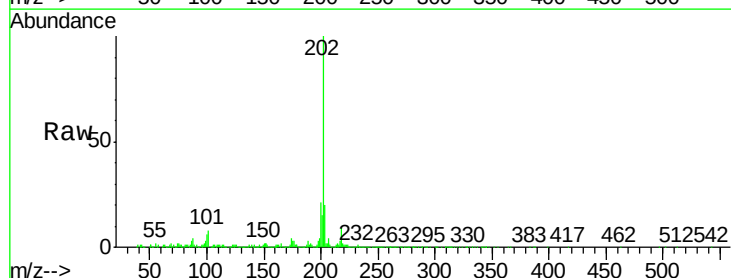
RT: 19.42 min Scan# 2780

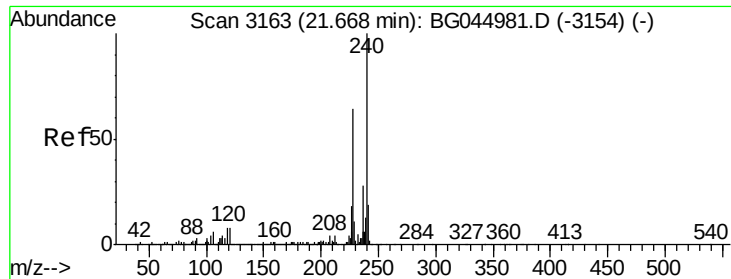
Delta R.T. -0.00 min

Lab File: BG045320.D

Acq: 12 May 2020 8:03

Tgt Ion:	202	Resp:	318015
Ion Ratio	Lower	Upper	
202	100		
101	8.1	0.0	29.6
203	20.3	0.0	39.7





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG045320.D

Acq: 12 May 2020 8:03

Instrument :

BNA_G

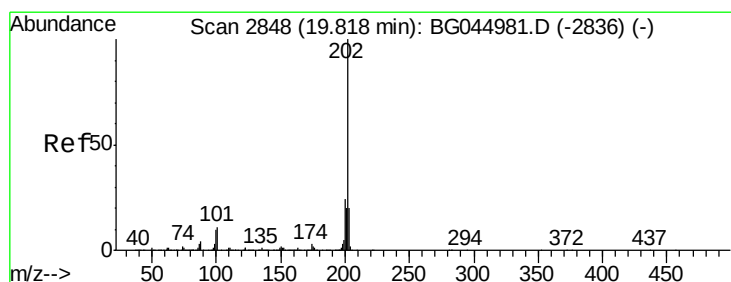
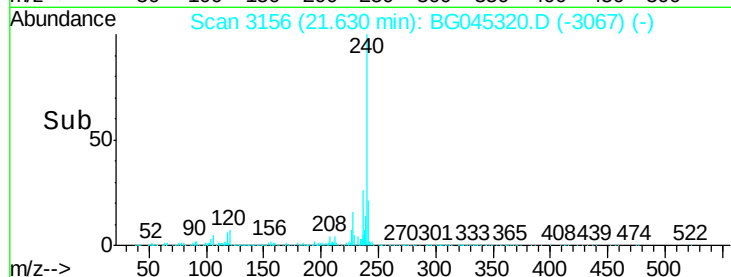
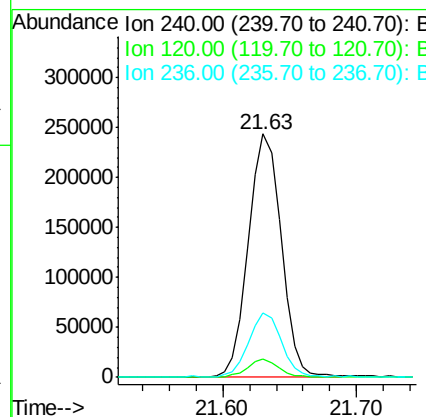
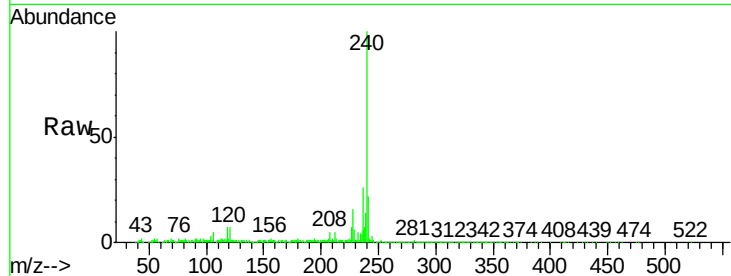
ClientSampleId :

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Tgt Ion:	240	Resp:	410453
Ion Ratio	Lower	Upper	
240	100		
120	7.3	6.6	10.0
236	26.5	22.2	33.2

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#78

Pyrene

Concen: 27.02 ng

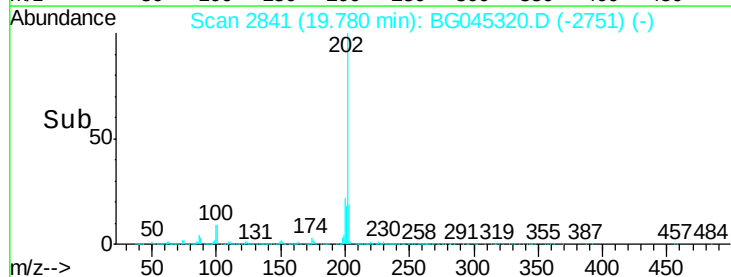
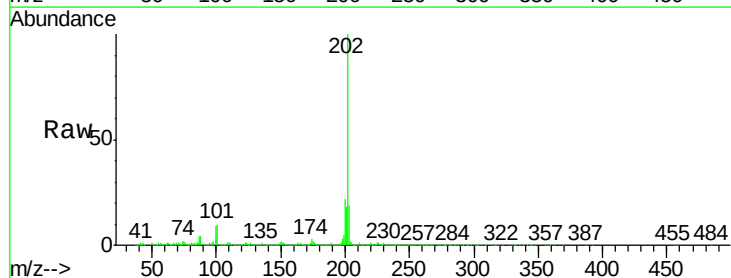
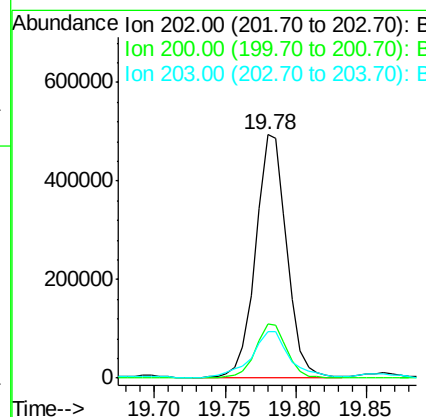
RT: 19.78 min Scan# 2841

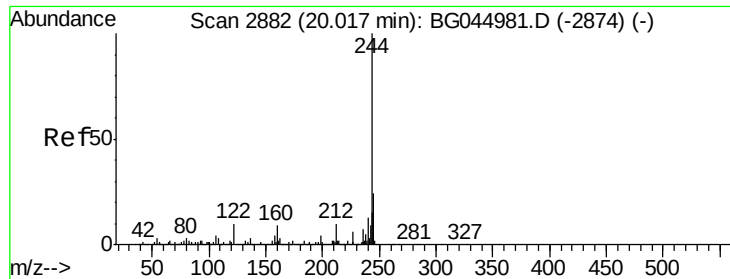
Delta R.T. -0.00 min

Lab File: BG045320.D

Acq: 12 May 2020 8:03

Tgt Ion:	202	Resp:	764695
Ion Ratio	Lower	Upper	
202	100		
200	22.1	19.0	28.6
203	19.3	16.1	24.1





#79

Terphenyl-d14

Concen: 6.64 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.01 min

Lab File: BG045320.D

Acq: 12 May 2020 8:03

Instrument :

BNA_G

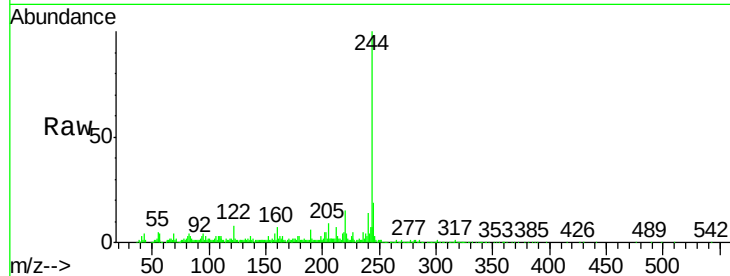
ClientSampleId :

HAR-STOCK

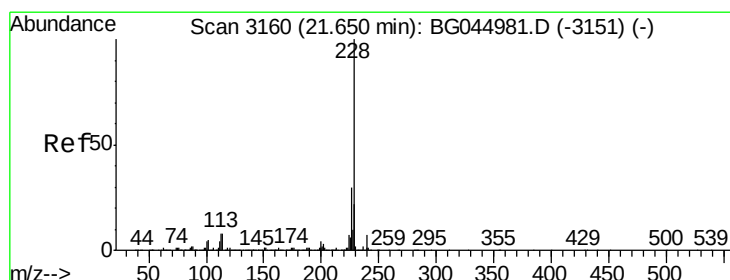
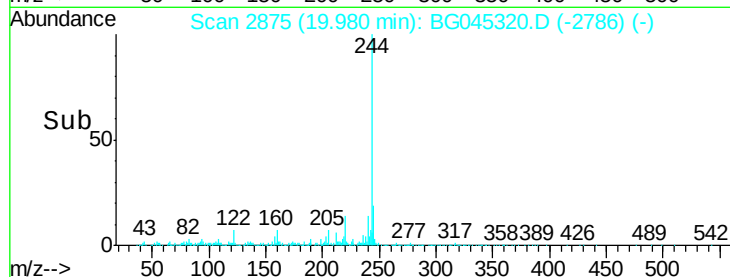
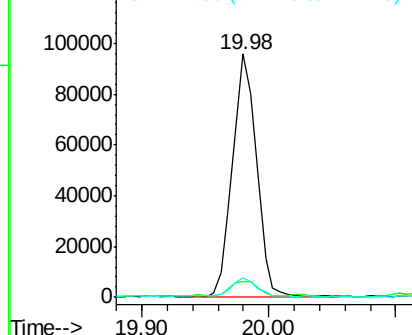
Tgt Ion:	244	Resp:	125089
Ion Ratio		Lower	Upper
244	100		
212	6.6	7.9	11.9#
122	7.9	7.7	11.5

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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: 8.53 ng

RT: 21.61 min Scan# 3153

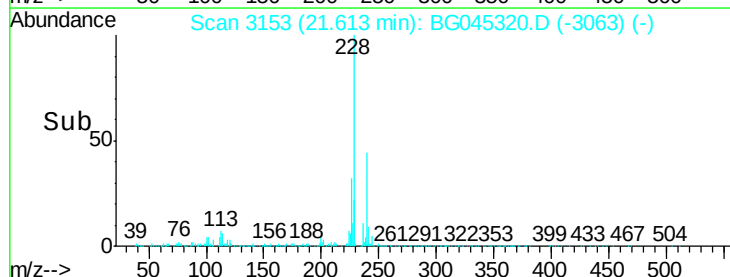
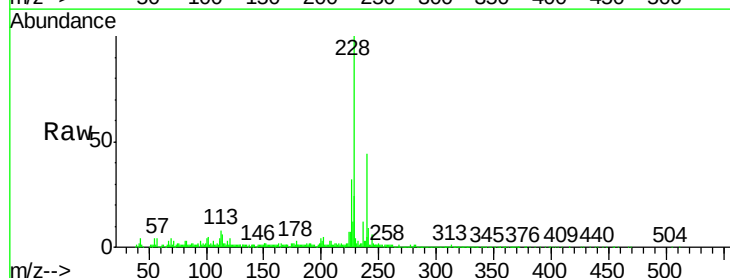
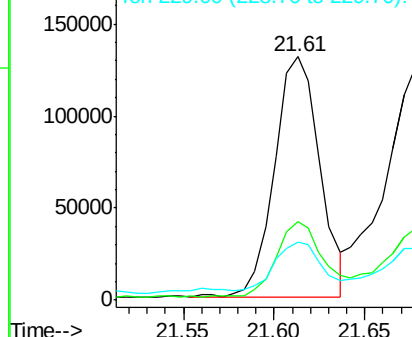
Delta R.T. -0.00 min

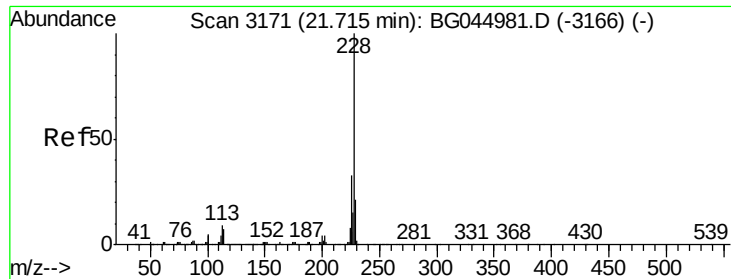
Lab File: BG045320.D

Acq: 12 May 2020 8:03

Tgt Ion:	228	Resp:	226941
Ion Ratio		Lower	Upper
228	100		
226	32.1	24.0	36.0
229	24.1	17.5	26.3

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





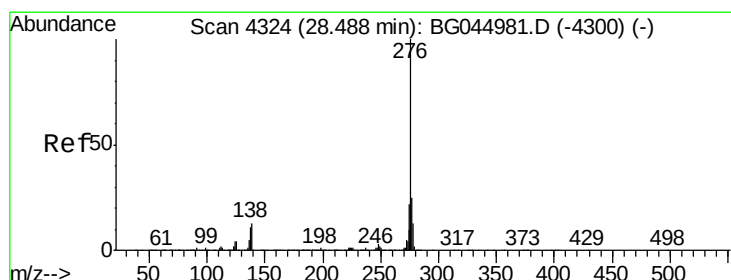
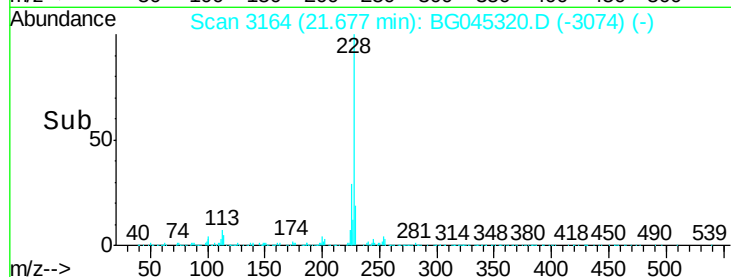
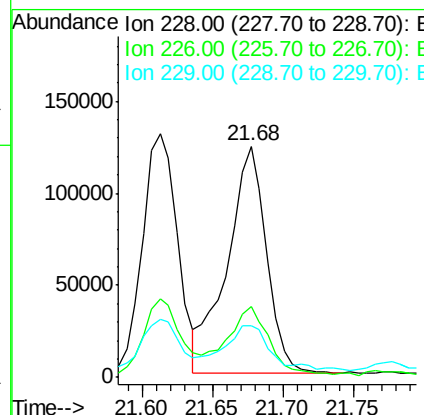
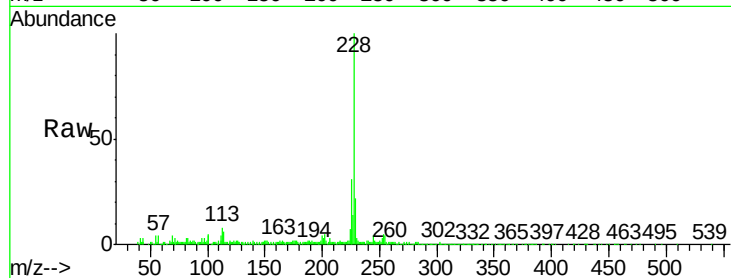
#83
Chrysene
Concen: 9.38 ng m
RT: 21.68 min Scan# 3164
Delta R.T. -0.00 min
Lab File: BG045320.D
Acq: 12 May 2020 8:03

Instrument :
BNA_G
ClientSampleId :
HAR-STOCK

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	26.2	39.4
229	22.2	17.0	25.6

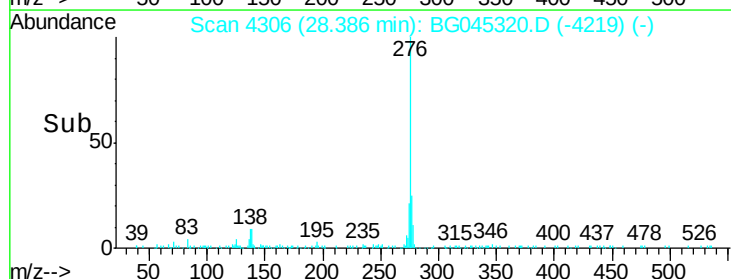
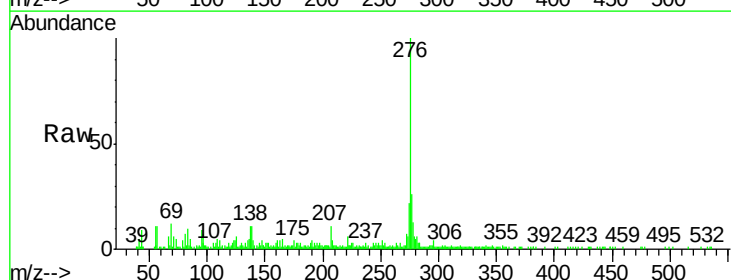
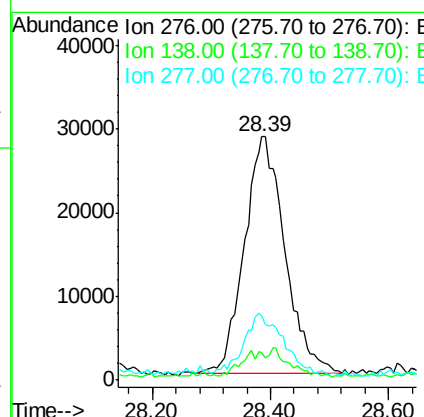
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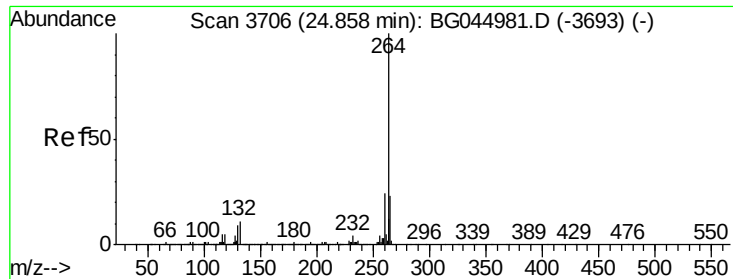
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.98 ng
RT: 28.39 min Scan# 4306
Delta R.T. -0.02 min
Lab File: BG045320.D
Acq: 12 May 2020 8:03

Tgt Ion	Ratio	Lower	Upper
276	100		
138	4.0	9.6	14.4#
277	25.3	20.6	31.0





#87

Perylene-d12

Concen: 20.00 ng

RT: 24.80 min Scan# 3696

Delta R.T. -0.00 min

Lab File: BG045320.D

Acq: 12 May 2020 8:03

Instrument :

BNA_G

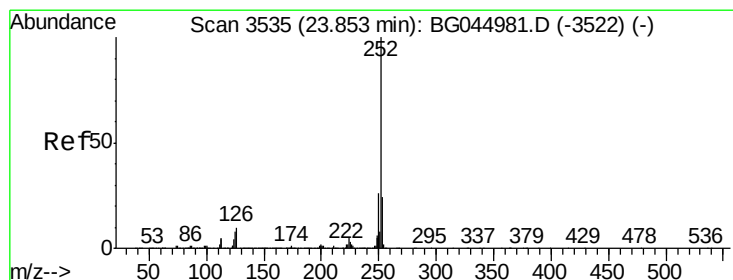
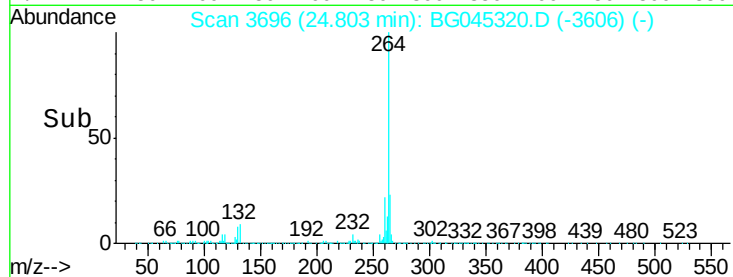
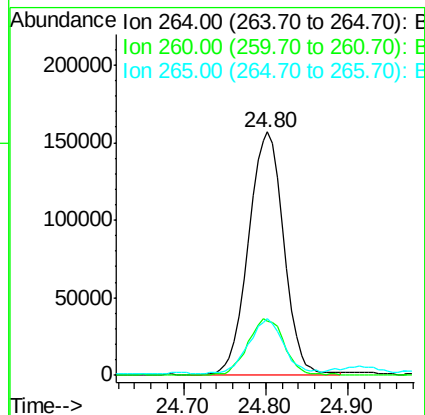
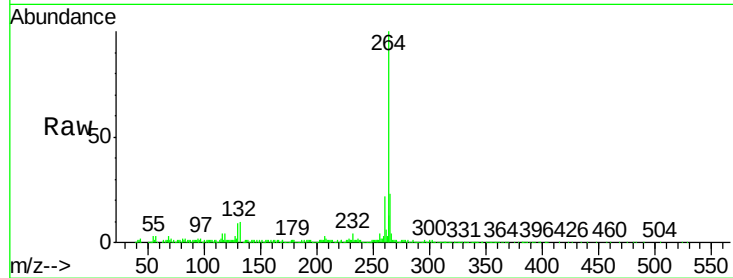
ClientSampleId :

HAR-STOCK

Tgt Ion:	264	Resp:	467826
Ion Ratio		Lower	Upper
264	100		
260	22.5	19.2	28.8
265	23.4	19.0	28.4

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#88

Benzo(b)fluoranthene

Concen: 7.43 ng

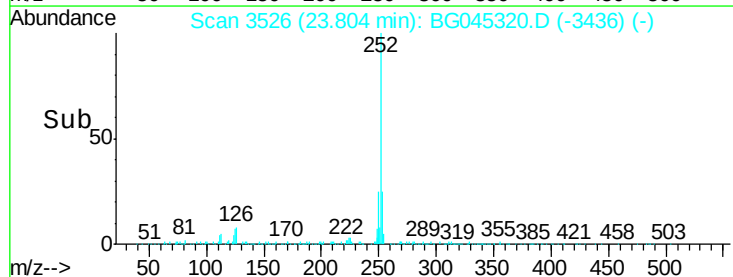
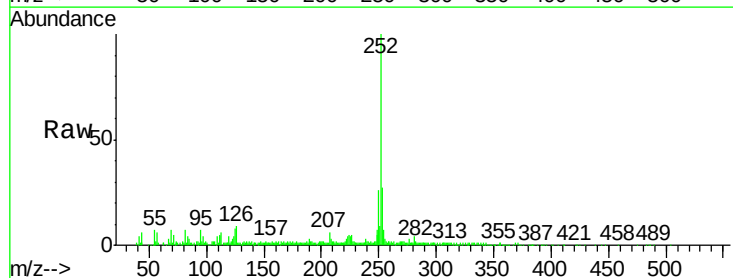
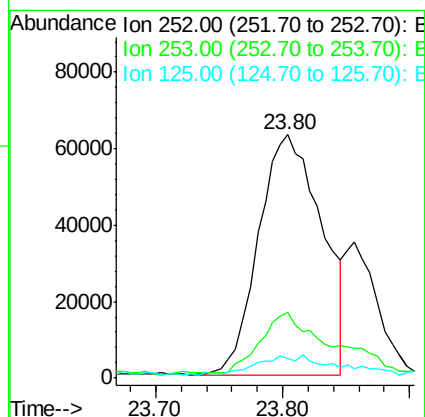
RT: 23.80 min Scan# 3526

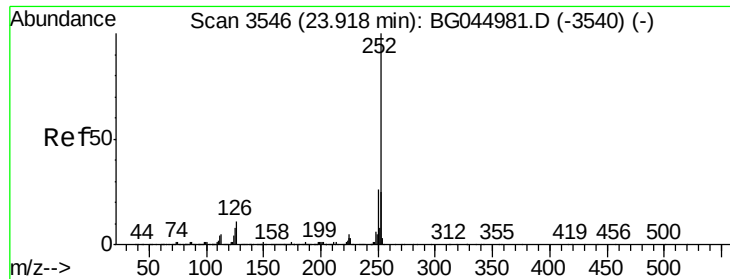
Delta R.T. -0.00 min

Lab File: BG045320.D

Acq: 12 May 2020 8:03

Tgt Ion:	252	Resp:	217806
Ion Ratio		Lower	Upper
252	100		
253	26.7	18.8	28.2
125	8.3	6.2	9.4





#89

Benzo(k)fluoranthene

Concen: 2.17 ng m

RT: 23.86 min Scan# 3535

Delta R.T. -0.02 min

Lab File: BG045320.D

Acq: 12 May 2020 8:03

Instrument :

BNA_G

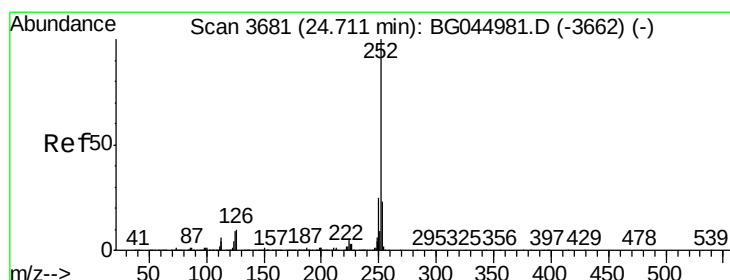
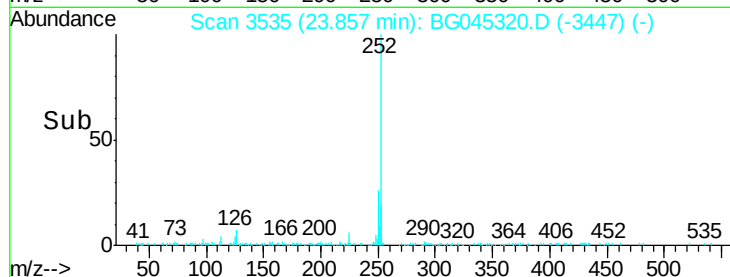
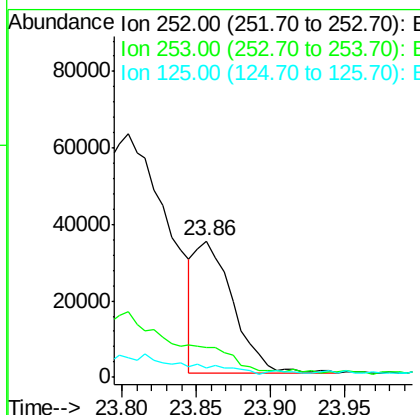
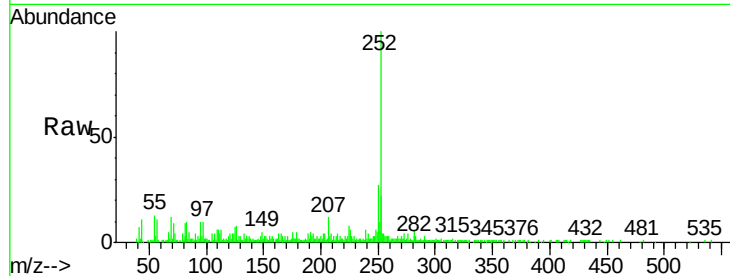
ClientSampleId :

HAR-STOCK

Tgt Ion:	252	Resp:	60571
Ion Ratio	Lower	Upper	
252	100		
253	21.5	19.2	28.8
125	7.3	5.9	8.9

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#90

Benzo(a)pyrene

Concen: 8.88 ng

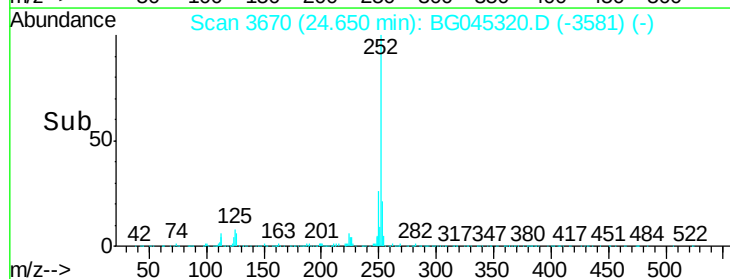
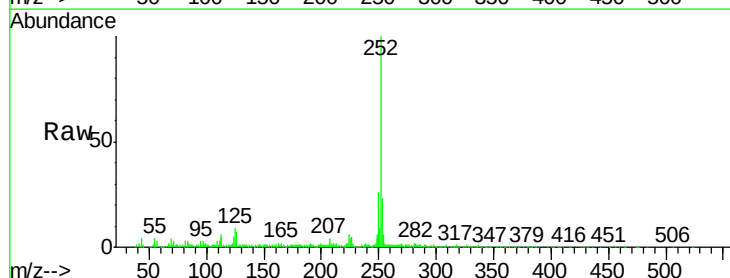
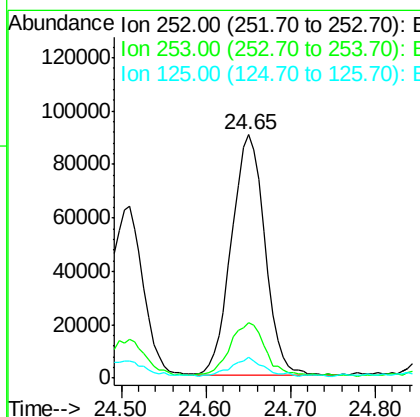
RT: 24.65 min Scan# 3670

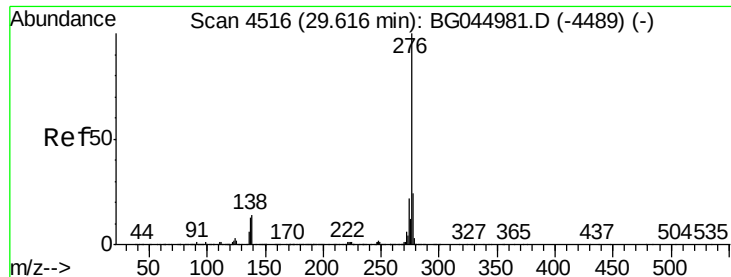
Delta R.T. -0.01 min

Lab File: BG045320.D

Acq: 12 May 2020 8:03

Tgt Ion:	252	Resp:	245803
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.3	27.5
125	8.8	7.0	10.6





#92
 Benzo(g,h,i)perylene
 Concen: 7.18 ng
 RT: 29.50 min Scan# 4496
 Delta R.T. -0.03 min
 Lab File: BG045320.D
 Acq: 12 May 2020 8:03

Instrument :
 BNA_G
 ClientSampleId :
 HAR-STOCK

Tgt Ion:	276	Resp:	200732
Ion Ratio		Lower	Upper
276	100		
277	21.3	19.3	28.9
138	13.3	11.4	17.2

Manual Integrations
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