

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050420\
 Data File : BG045242.D
 Acq On : 4 May 2020 20:33
 Operator : CG/JU
 Sample : L2441-01DL 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RECOVERED-CRUSH-AGGREGAT

Manual Integrations
 APPROVED

mohammad
 5/6/2020 6:45:27 PM

Quant Time: May 05 02:10:16 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 04 13:03:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	97359	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	376626	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	265163	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	542259	20.00	ng	0.00
76) Chrysene-d12	21.65	240	458710	20.00	ng	0.00
87) Perylene-d12	24.83	264	525942	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.57	112	41752	7.08	ng	0.00
7) Phenol-d6	7.16	99	59893	6.84	ng	0.00
23) Nitrobenzene-d5	9.15	82	41374	5.01	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	23515	5.74	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	106340	5.88	ng	0.00
79) Terphenyl-d14	19.99	244	147580	7.01	ng	0.00

Target Compounds

						Qvalue
58) Fluorene	15.68	166	65492	3.240	ng	99
71) Phenanthrene	17.43	178	1499394	53.809	ng	98
72) Anthracene	17.51	178	445428	15.936	ng	97
75) Fluoranthene	19.44	202	1655537	51.429	ng	98
78) Pyrene	19.80	202	1936967	61.251	ng	98
81) Benzo(a)anthracene	21.63	228	915174	30.782	ng	99
83) Chrysene	21.70	228	800887m	28.036	ng	
84) Bis(2-ethylhexyl)phthalate	21.54	149	202228	11.217	ng	98
86) Indeno(1,2,3-cd)pyrene	28.43	276	416841	10.991	ng	95
88) Benzo(b)fluoranthene	23.82	252	831753	25.247	ng	96
89) Benzo(k)fluoranthene	23.88	252	253524m	8.092	ng	
90) Benzo(a)pyrene	24.68	252	783375	25.185	ng	97
91) Dibenzo(a,h)anthracene	28.48	278	96459m	3.078	ng	
92) Benzo(a,h,i)perylene	29.55	276	441850	14.061	ng	98

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

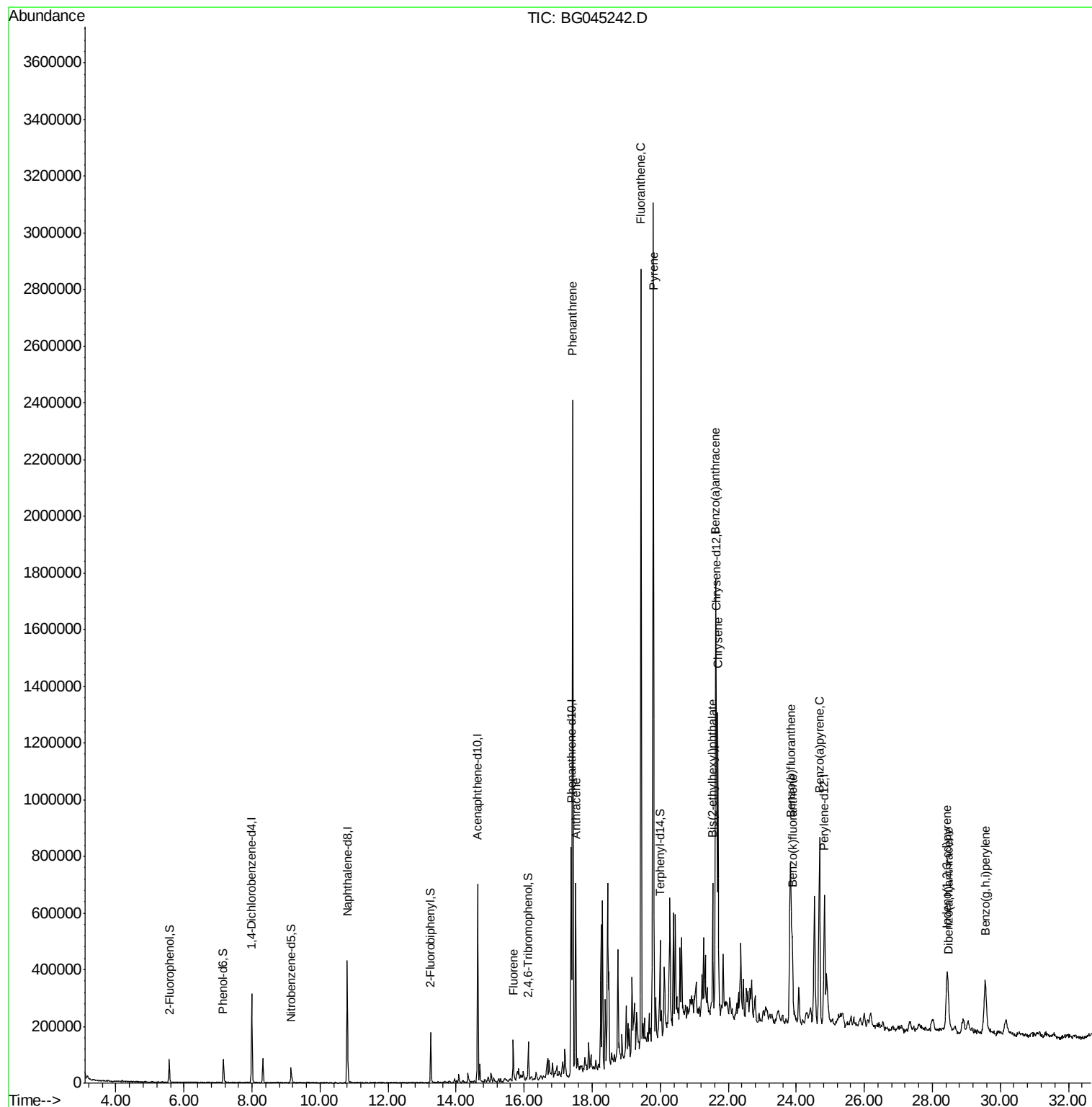
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050420\
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Quant Time: May 05 02:10:16 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

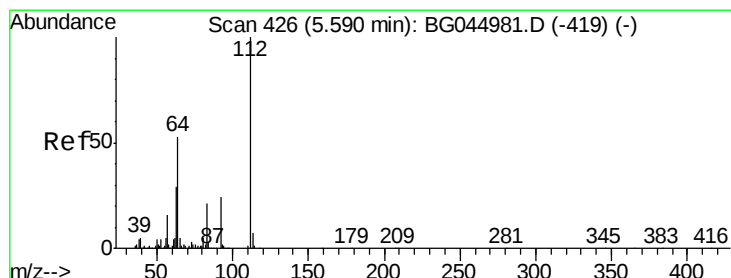
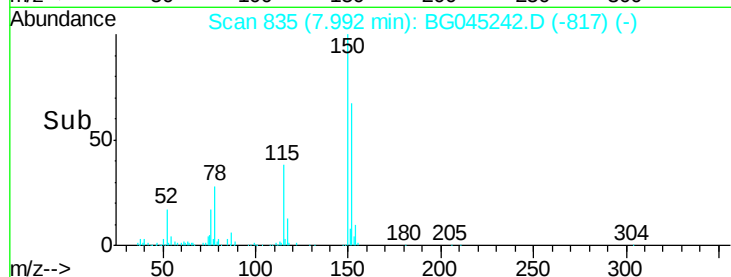
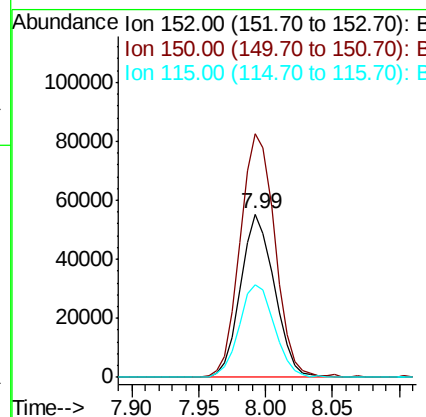
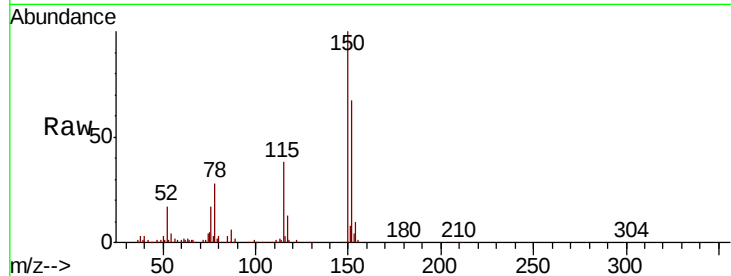
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. 0.01 min
Lab File: BG045242.D
Acq: 4 May 2020 20:33

Instrument :
BNA_G
ClientSampleId :
RECOVERED-CRUSH-AGGREGAT

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.4	123.6	185.4
115	57.0	49.1	73.7

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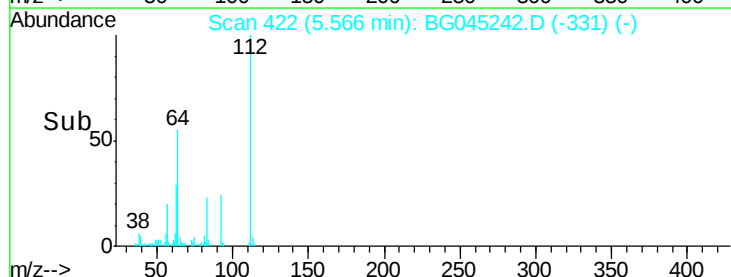
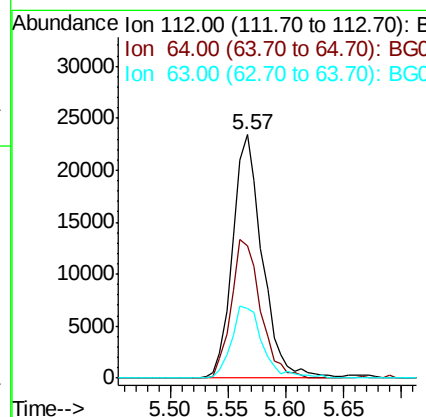
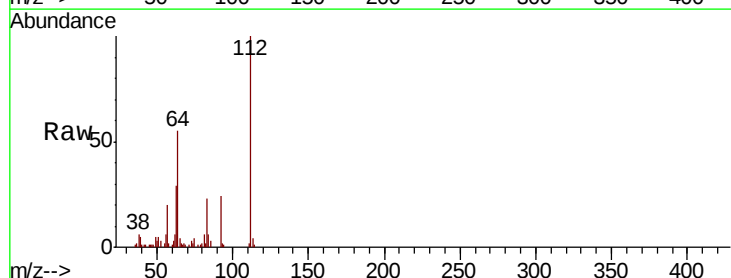
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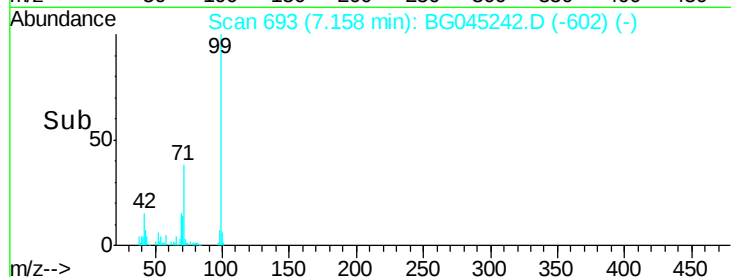
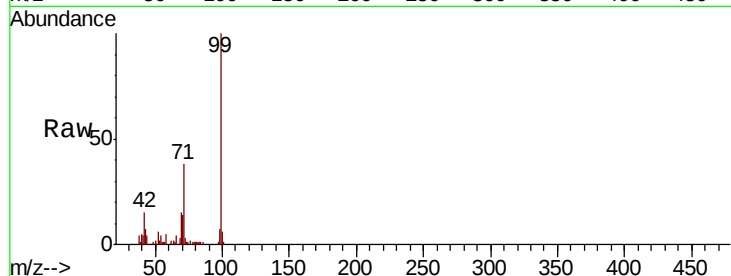


#5

2-Fluorophenol
Concen: 7.080 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.01 min
Lab File: BG045242.D
Acq: 4 May 2020 20:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	42.4	63.6
63	28.7	23.1	34.7





#7

Phenol-d6

Concen: 6.836 ng

RT: 7.16 min Scan# 693

Delta R.T. 0.01 min

Lab File: BG045242.D

Acq: 4 May 2020 20:33

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		59893		
42	15.1	11.3	16.9		
71	37.7	28.3	42.5		

Instrument :

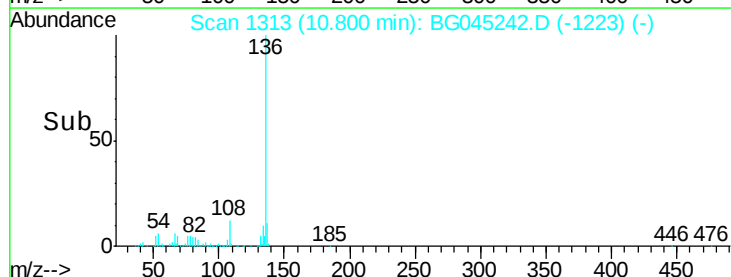
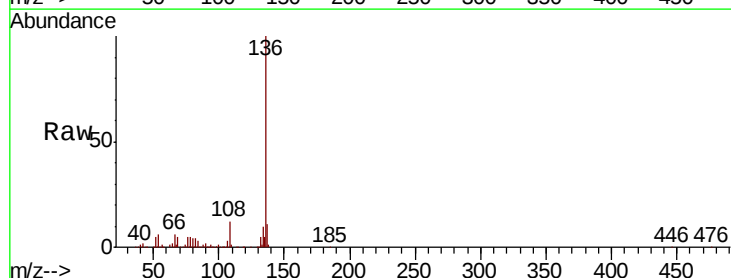
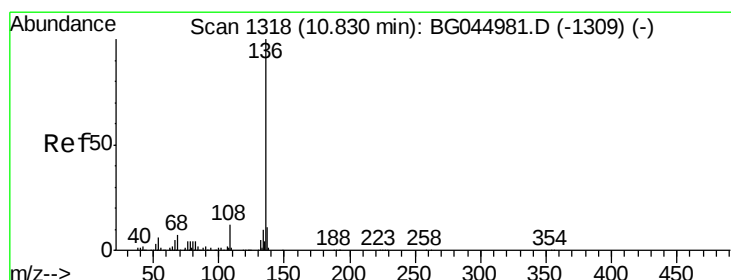
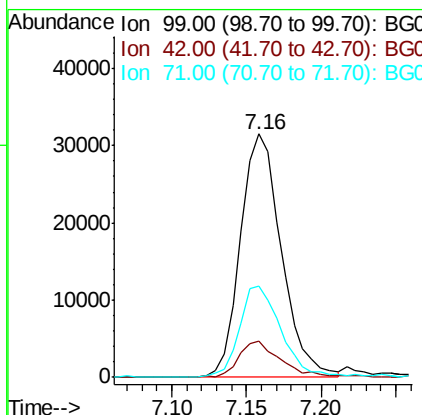
BNA_G

ClientSampleId :

RECOVERED-CRUSH-AGGREGAT

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#21

Naphthalene-d8

Concen: 20.000 ng

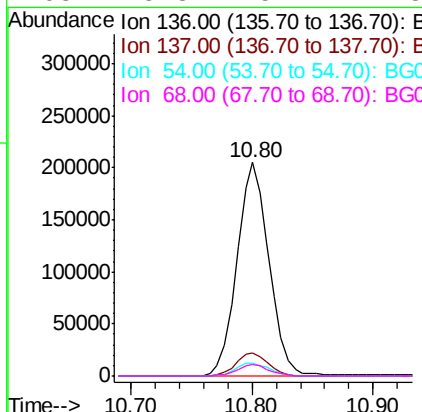
RT: 10.80 min Scan# 1313

Delta R.T. 0.00 min

Lab File: BG045242.D

Acq: 4 May 2020 20:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		376626		
137	10.7	8.6	13.0		
54	6.3	4.8	7.2		
68	5.3	5.2	7.8		





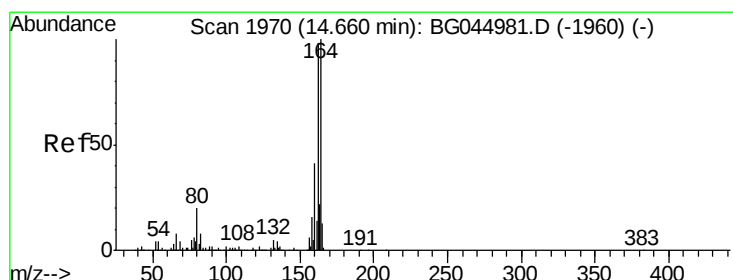
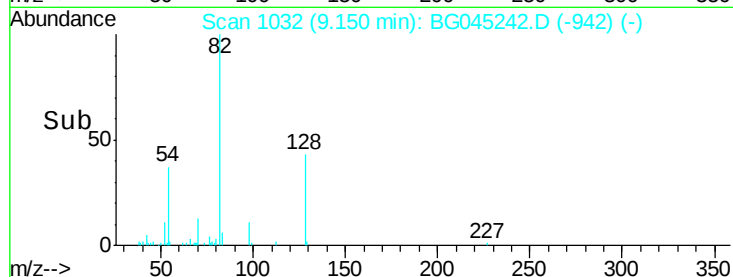
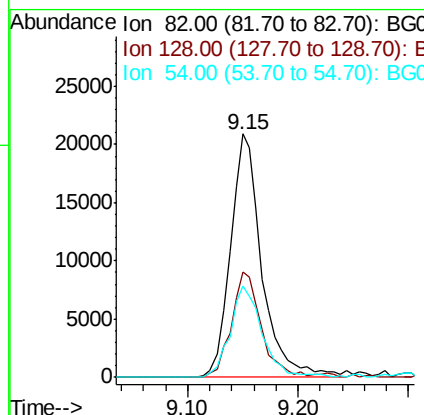
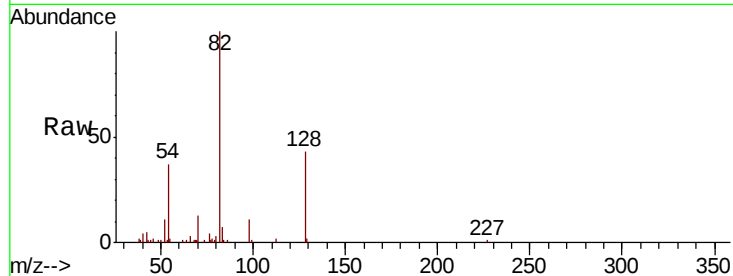
#23
Nitrobenzene-d5
Concen: 5.013 ng
RT: 9.15 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BG045242.D
Acq: 4 May 2020 20:33

Instrument :
BNA_G
ClientSampleId :
RECOVERED-CRUSH-AGGREGAT

Tot Ion	82	Resp	41374
Ion Ratio	100	Lower	Upper
82	100		
128	43.0	33.0	49.4
54	37.4	30.4	45.6

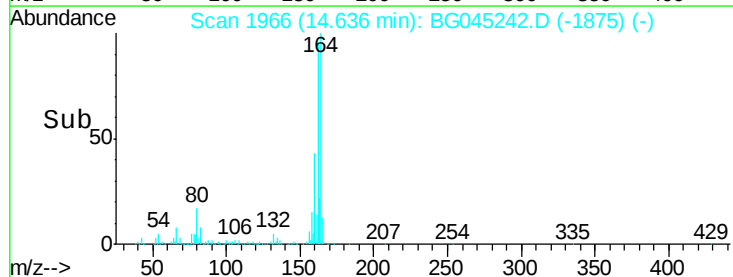
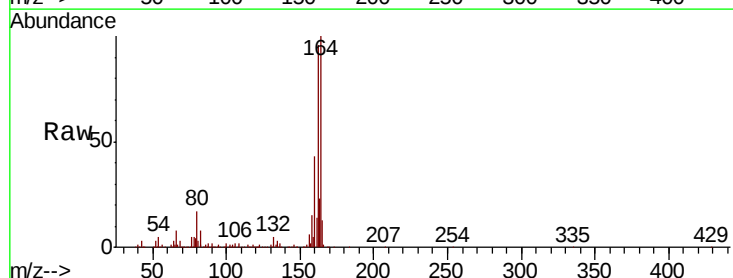
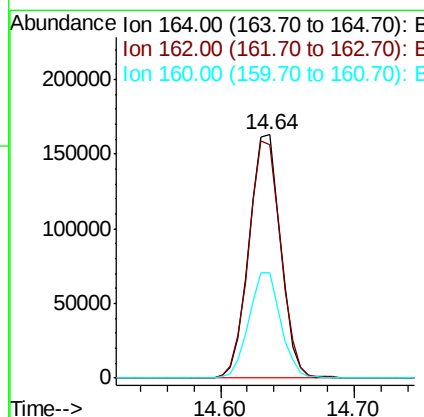
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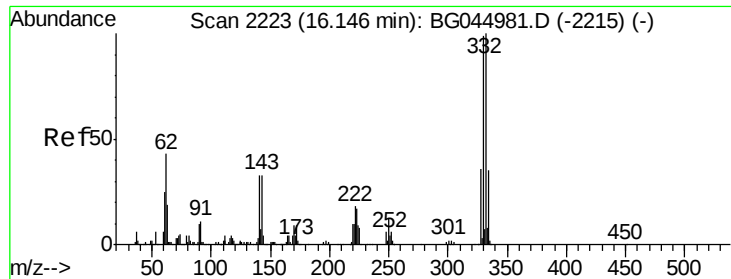
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.64 min Scan# 1966
Delta R.T. 0.01 min
Lab File: BG045242.D
Acq: 4 May 2020 20:33

Tgt Ion	164	Resp	265163
Ion Ratio	100	Lower	Upper
164	100		
162	96.1	78.7	118.1
160	43.3	32.8	49.2





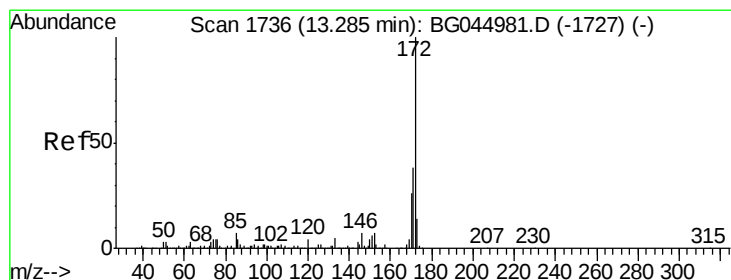
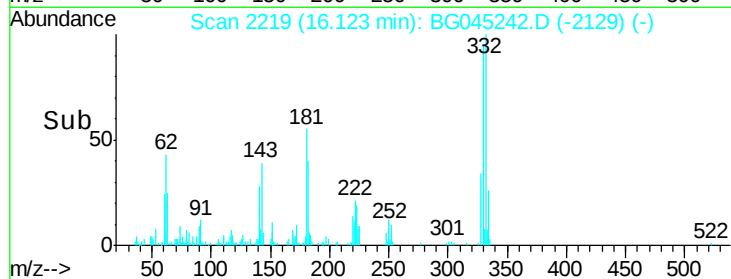
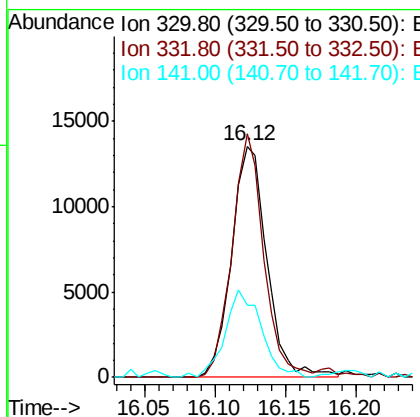
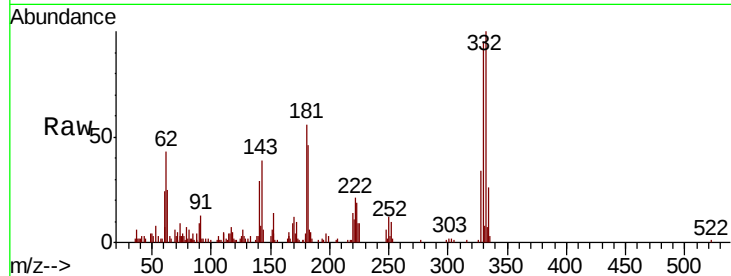
#42
 2,4,6-Tribromophenol
 Concen: 5.740 ng
 RT: 16.12 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: BG045242.D
 Acq: 4 May 2020 20:33

Instrument :
 BNA_G
 ClientSampleId :
 RECOVERED-CRUSH-AGGREGAT

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.7	79.1	118.7	
141	38.8	27.1	40.7	

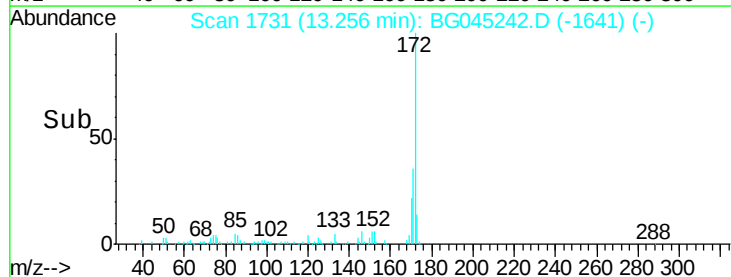
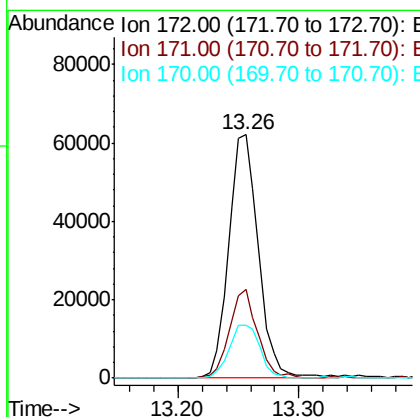
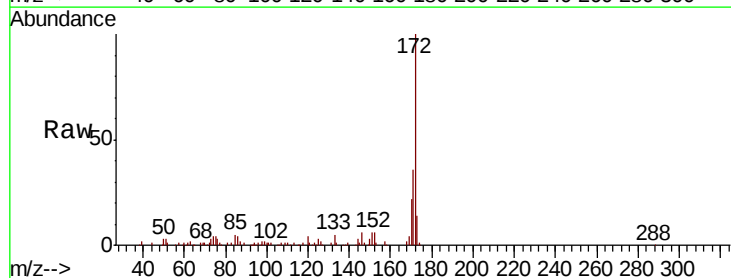
Manual Integrations
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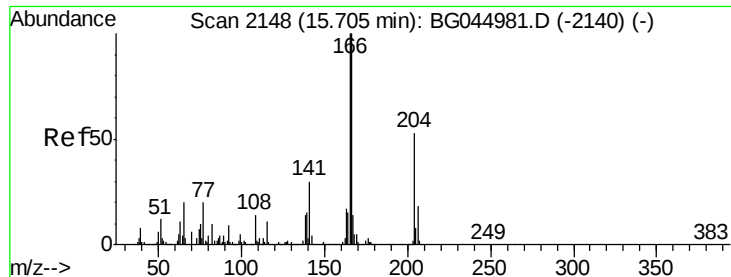
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#45
 2-Fluorobiphenyl
 Concen: 5.880 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: BG045242.D
 Acq: 4 May 2020 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.3	30.6	46.0	
170	21.8	20.5	30.7	





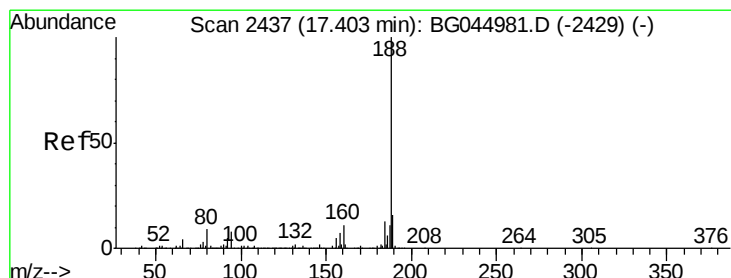
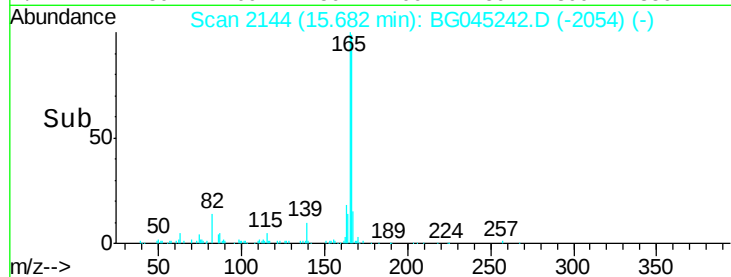
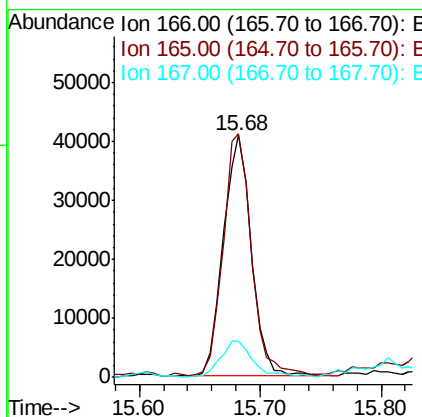
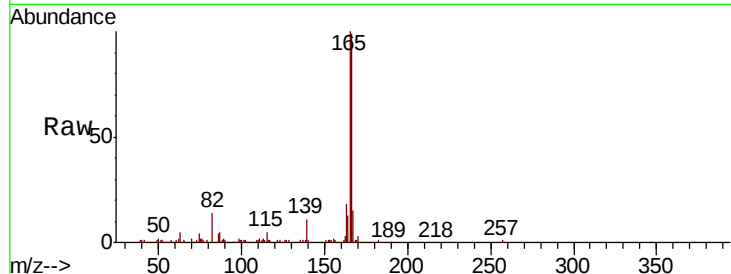
#58
Fluorene
 Concen: 3.240 ng
 RT: 15.68 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: BG045242.D
 Acq: 4 May 2020 20:33

Instrument :
 BNA_G
 ClientSampleId :
 RECOVERED-CRUSH-AGGREGAT

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.7	79.9	119.9
167	15.0	11.4	17.0

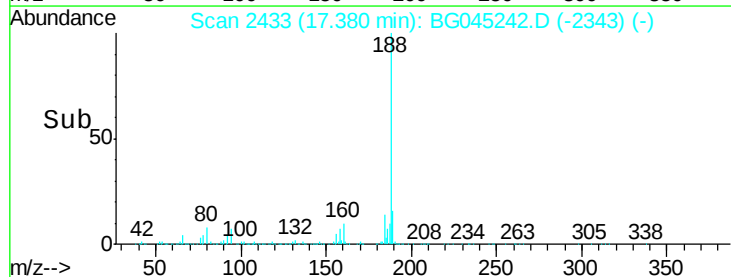
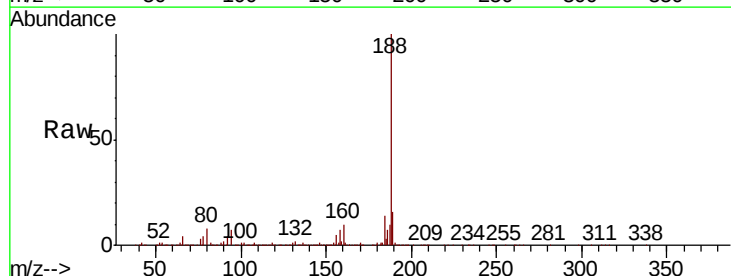
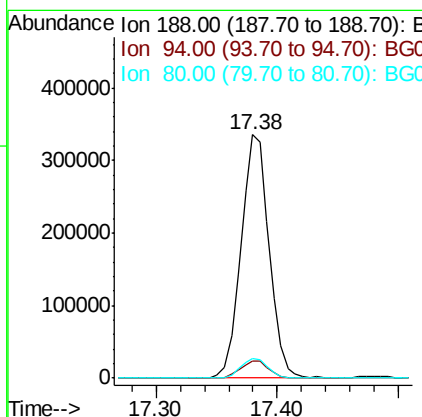
Manual Integrations
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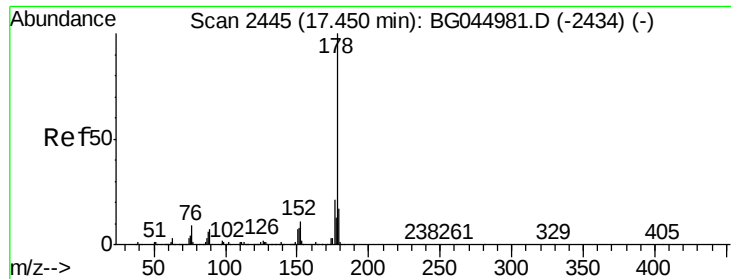
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#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.38 min Scan# 2433
 Delta R.T. 0.00 min
 Lab File: BG045242.D
 Acq: 4 May 2020 20:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.2	6.2	9.4
80	8.1	7.0	10.6





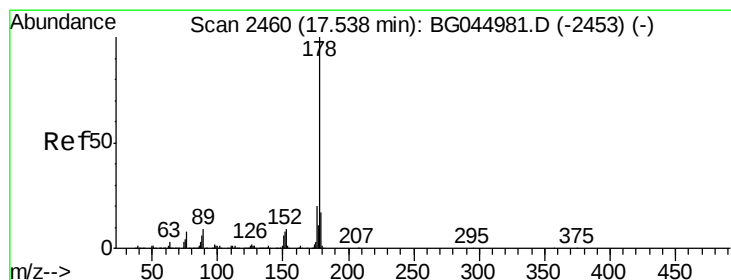
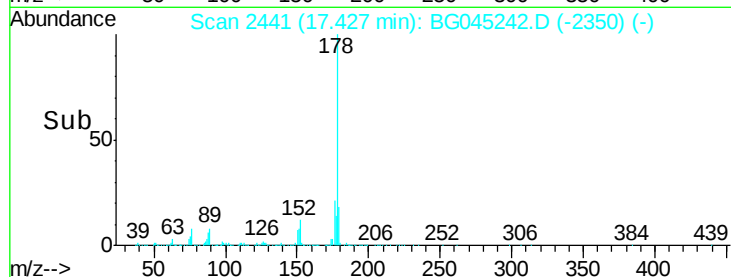
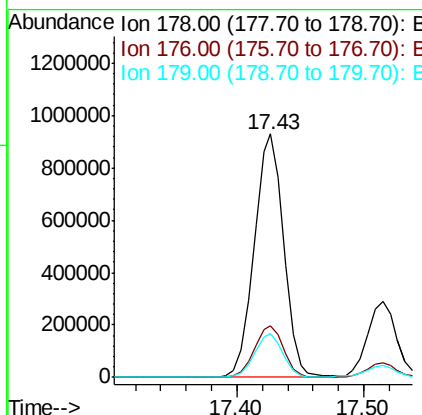
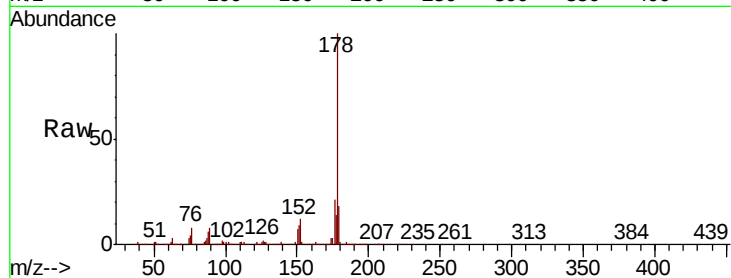
#71
Phenanthrene
Concen: 53.809 ng
RT: 17.43 min Scan# 2441
Delta R.T. 0.01 min
Lab File: BG045242.D
Acq: 4 May 2020 20:33

Instrument :
BNA_G
ClientSampleId :
RECOVERED-CRUSH-AGGREGAT

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.4	16.8	25.2
179	17.9	13.2	19.8

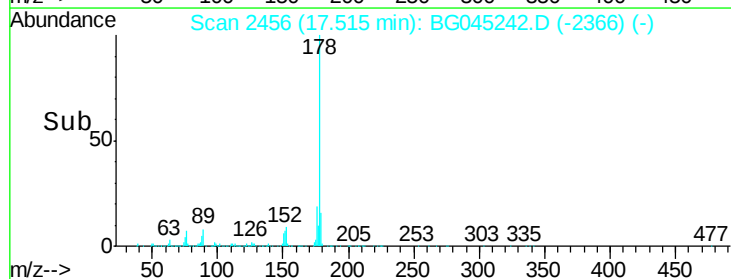
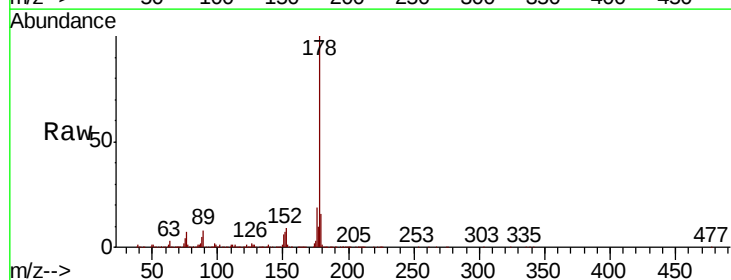
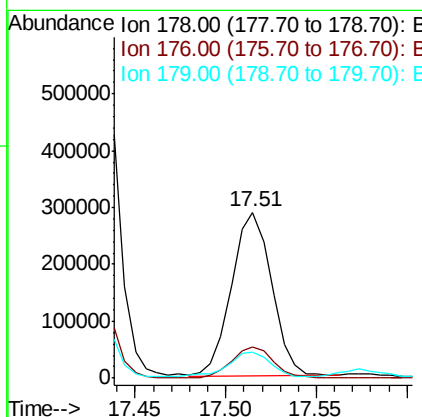
Manual Integrations
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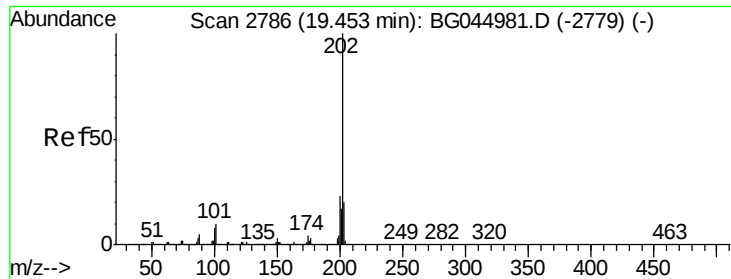
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#72
Anthracene
Concen: 15.936 ng
RT: 17.51 min Scan# 2456
Delta R.T. 0.00 min
Lab File: BG045242.D
Acq: 4 May 2020 20:33

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.0	24.0
179	15.7	13.6	20.4





#75

Fluoranthene

Concen: 51.429 ng

RT: 19.44 min Scan# 2783

Delta R.T. 0.00 min

Lab File: BG045242.D

Acq: 4 May 2020 20:33

Instrument :

BNA_G

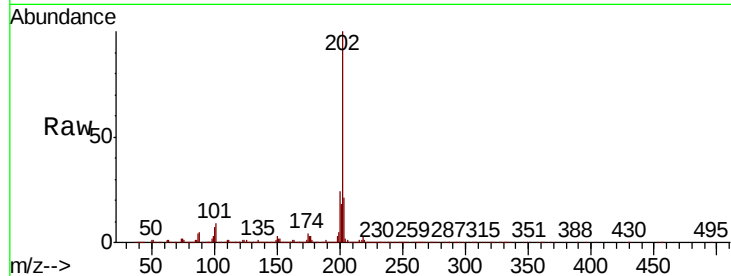
ClientSampleId :

RECOVERED-CRUSH-AGGREGAT

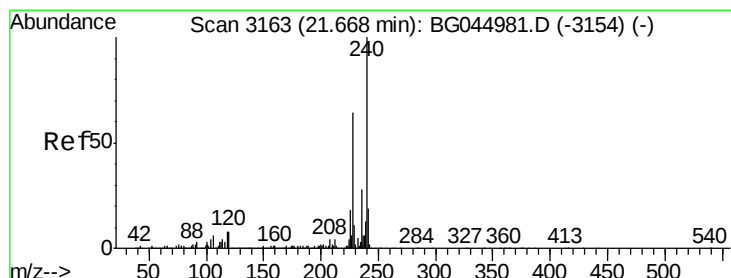
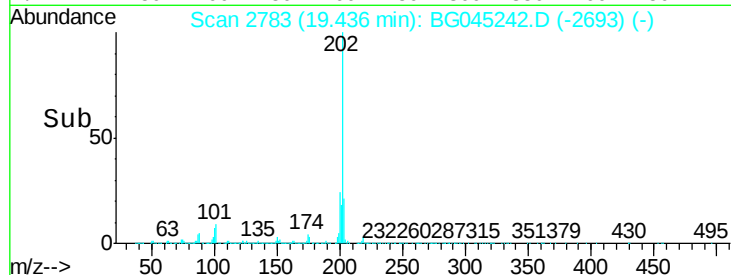
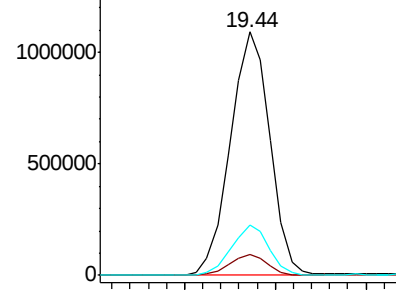
Tot Ion:	202	Resp:	165537
Ion	Ratio	Lower	Upper
202	100		
101	8.7	0.0	29.6
203	20.7	0.0	39.7

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
1500000 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

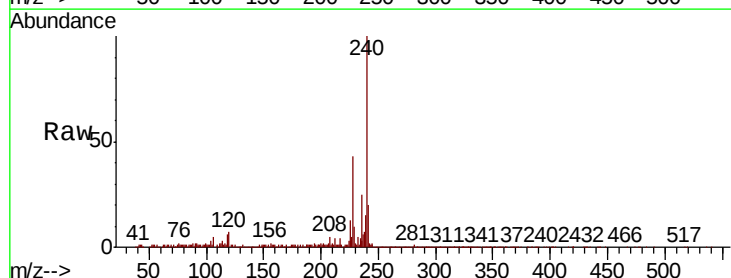
RT: 21.65 min Scan# 3160

Delta R.T. 0.01 min

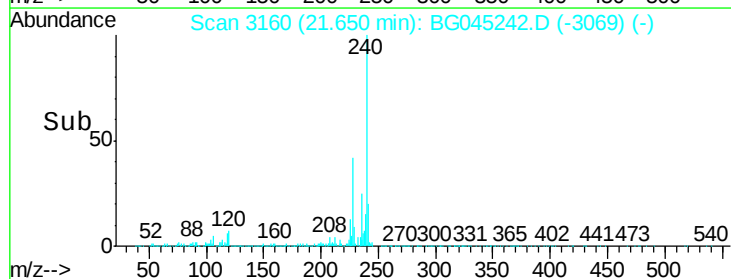
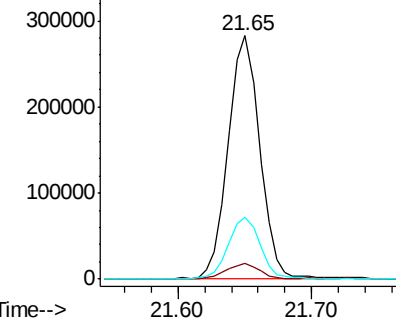
Lab File: BG045242.D

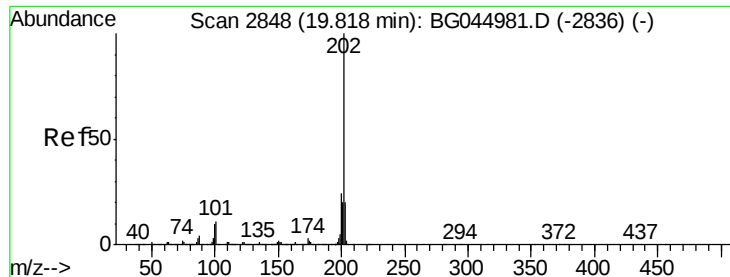
Acq: 4 May 2020 20:33

Tgt Ion:	240	Resp:	458710
Ion	Ratio	Lower	Upper
240	100		
120	6.7	6.6	10.0
236	25.2	22.2	33.2



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: 61.251 ng

RT: 19.80 min Scan# 2845

Delta R.T. 0.01 min

Lab File: BG045242.D

Acq: 4 May 2020 20:33

Instrument :

BNA_G

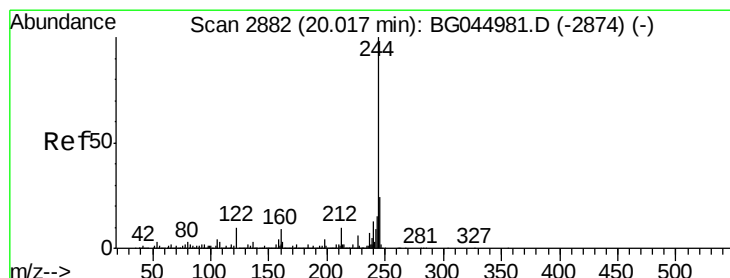
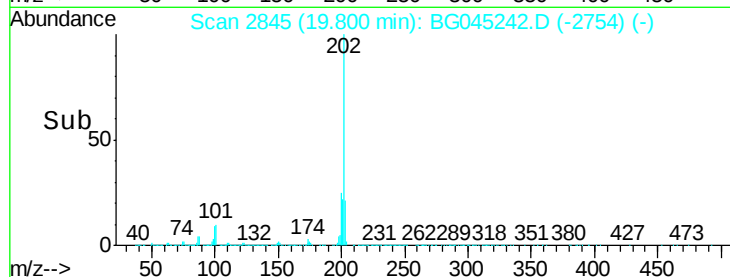
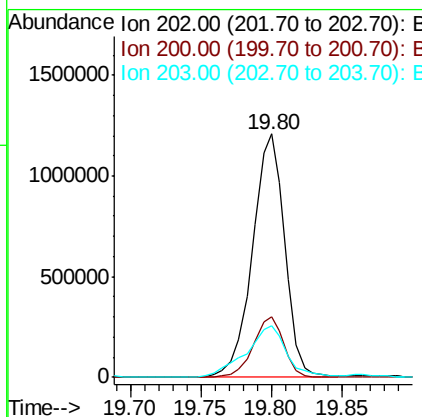
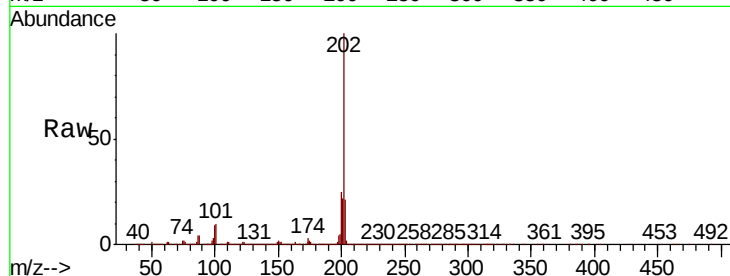
ClientSampleId :

RECOVERED-CRUSH-AGGREGAT

Tot Ion:	202	Resp:	1936967
Ion	Ratio	Lower	Upper
202	100		
200	24.8	19.0	28.6
203	21.1	16.1	24.1

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#79

Terphenyl-d14

Concen: 7.012 ng

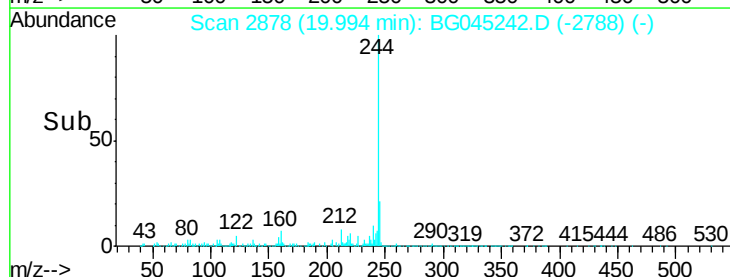
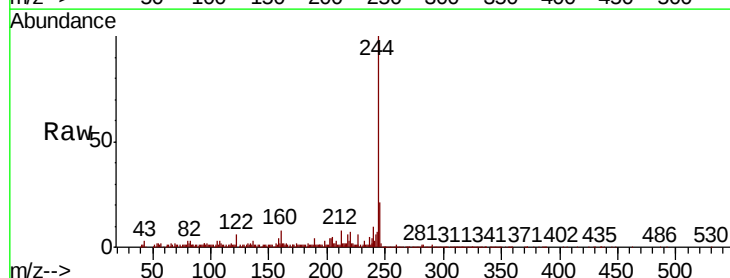
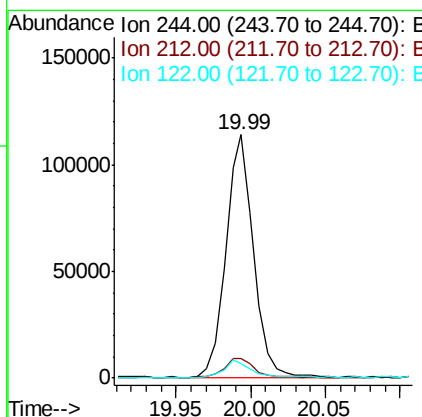
RT: 19.99 min Scan# 2878

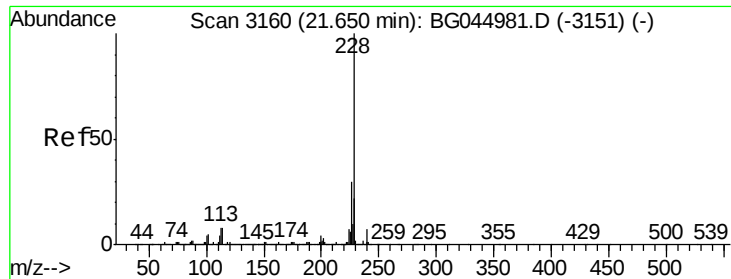
Delta R.T. 0.00 min

Lab File: BG045242.D

Acq: 4 May 2020 20:33

Tgt Ion:	244	Resp:	147580
Ion	Ratio	Lower	Upper
244	100		
212	8.3	7.9	11.9
122	6.0	7.7	11.5#





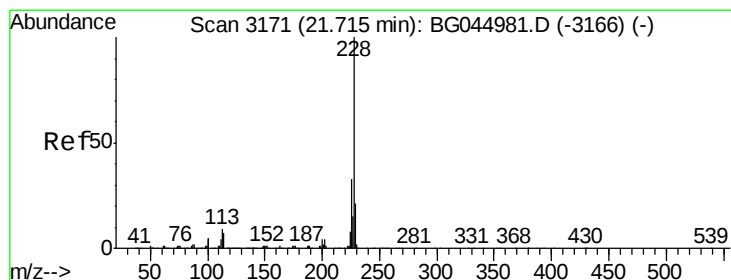
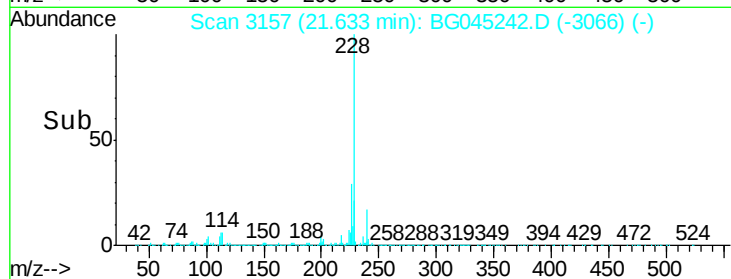
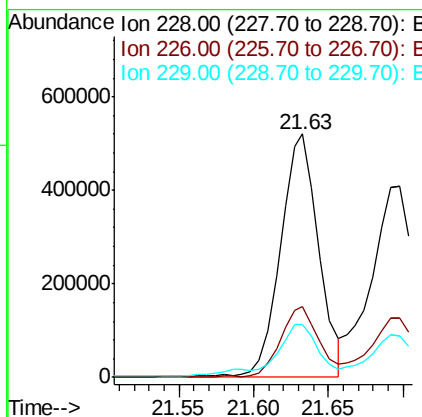
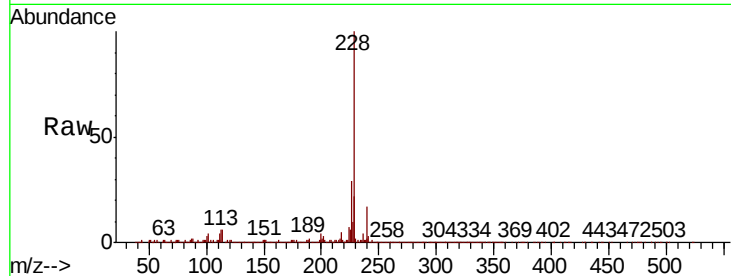
#81
Benzo(a)anthracene
Concen: 30.782 ng
RT: 21.63 min Scan# 3157
Delta R.T. 0.01 min
Lab File: BG045242.D
Acq: 4 May 2020 20:33

Instrument :
BNA_G
ClientSampleId :
RECOVERED-CRUSH-AGGREGAT

Tot Ion:	228	Resp:	915174
Ion Ratio	Lower	Upper	
228	100		
226	28.8	24.0	36.0
229	21.8	17.5	26.3

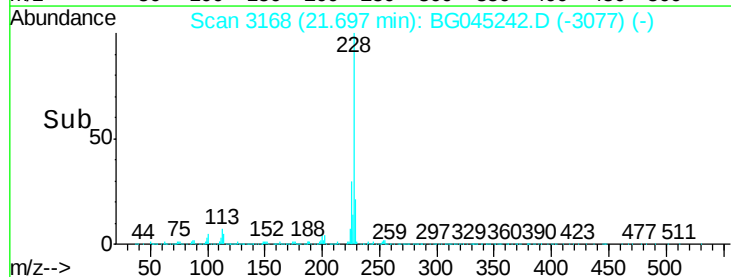
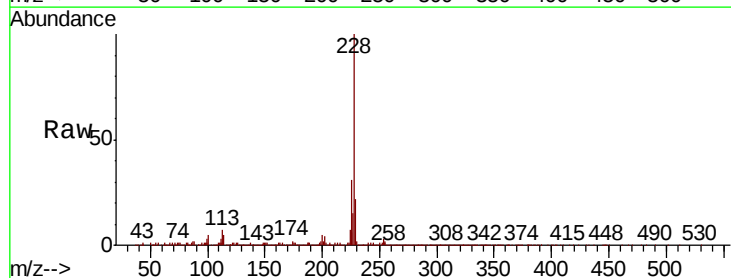
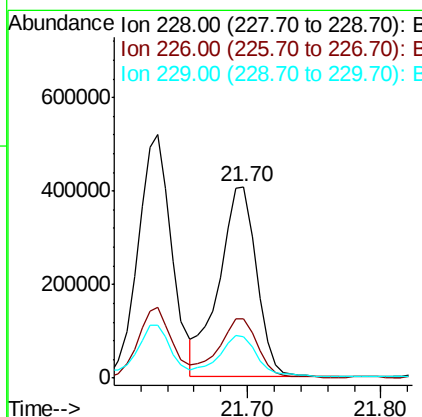
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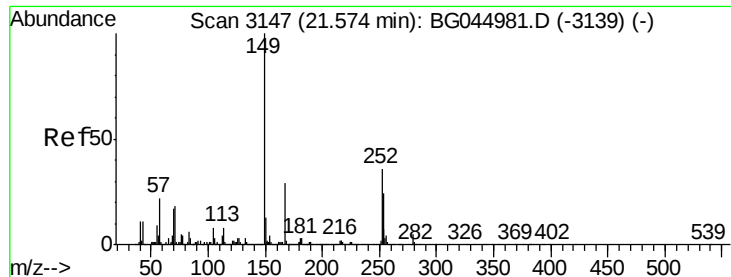
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#83
Chrysene
Concen: 28.036 ng m
RT: 21.70 min Scan# 3168
Delta R.T. 0.01 min
Lab File: BG045242.D
Acq: 4 May 2020 20:33

Tgt Ion:	228	Resp:	800887
Ion Ratio	Lower	Upper	
228	100		
226	30.7	26.2	39.4
229	21.9	17.0	25.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 11.217 ng

RT: 21.54 min Scan# 3142

Delta R.T. 0.00 min

Lab File: BG045242.D

Acq: 4 May 2020 20:33

Instrument :

BNA_G

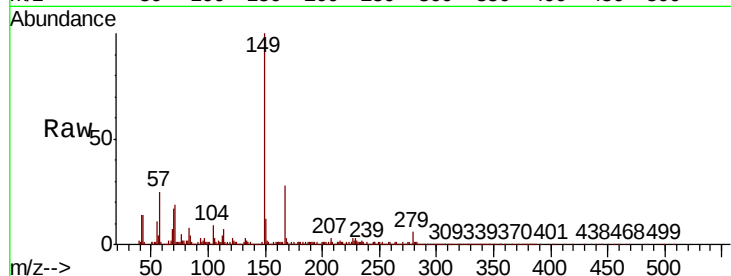
ClientSampleId :

RECOVERED-CRUSH-AGGREGAT

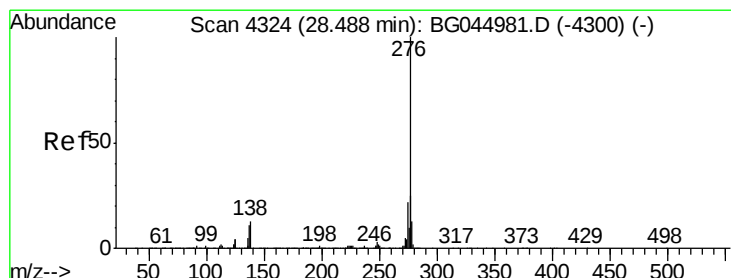
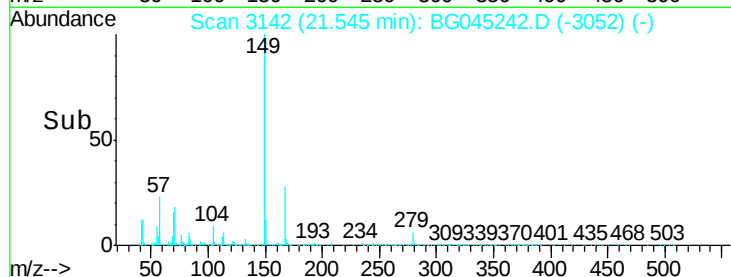
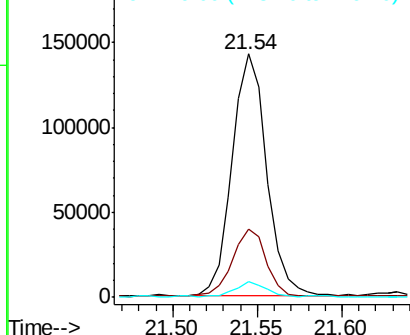
Tot Ion:	149	Resp:	202228
Ion Ratio		Lower	Upper
149	100		
167	28.0	23.4	35.0
279	6.5	4.3	6.5

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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: 10.991 ng

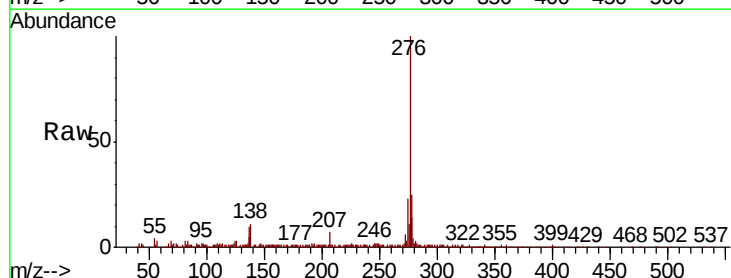
RT: 28.43 min Scan# 4314

Delta R.T. 0.01 min

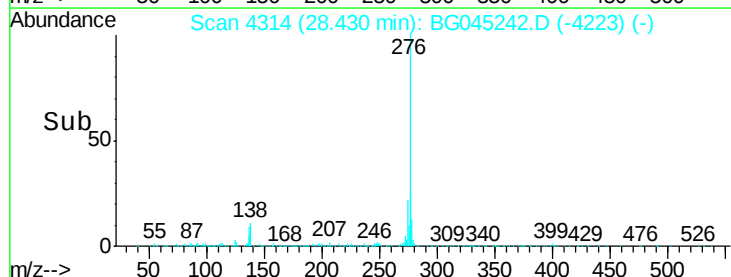
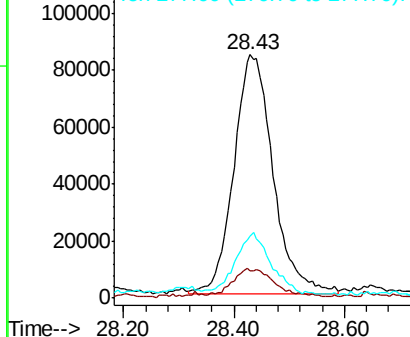
Lab File: BG045242.D

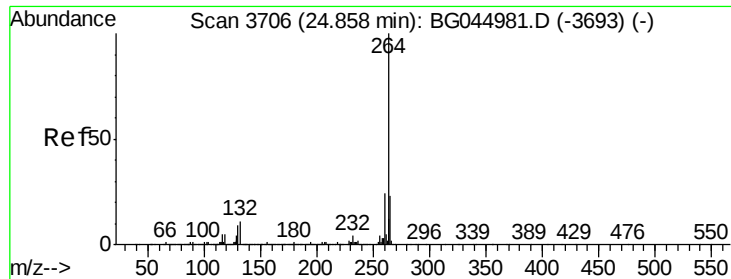
Acq: 4 May 2020 20:33

Tgt Ion:	276	Resp:	416841
Ion Ratio		Lower	Upper
276	100		
138	12.5	9.6	14.4
277	22.4	20.6	31.0



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





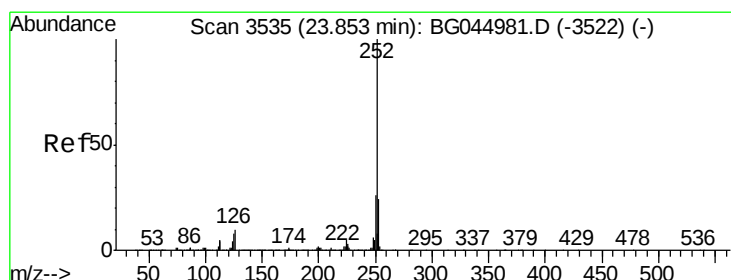
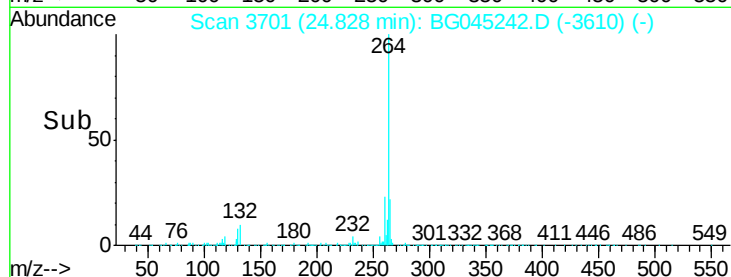
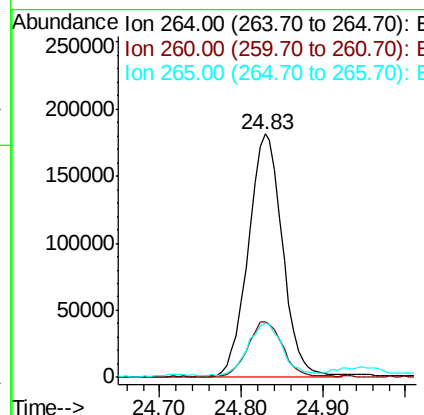
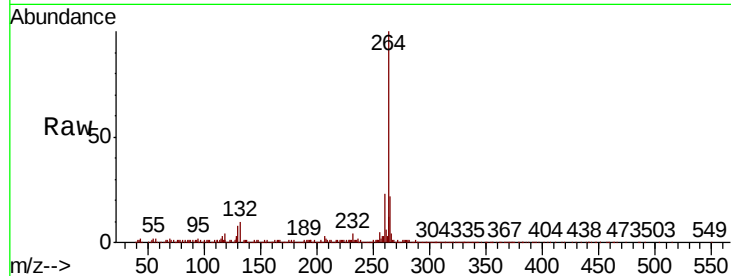
#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.83 min Scan# 3701
Delta R.T. 0.01 min
Lab File: BG045242.D
Acq: 4 May 2020 20:33

Instrument :
BNA_G
ClientSampleId :
RECOVERED-CRUSH-AGGREGAT

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	22.2	19.0	28.4

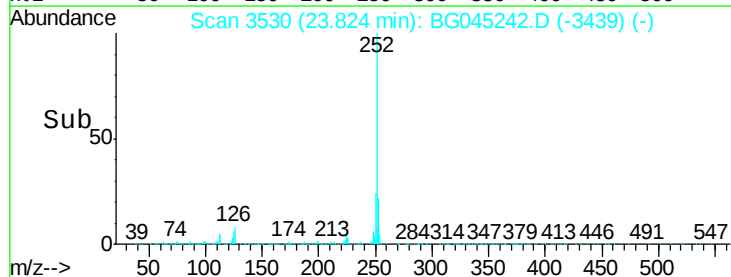
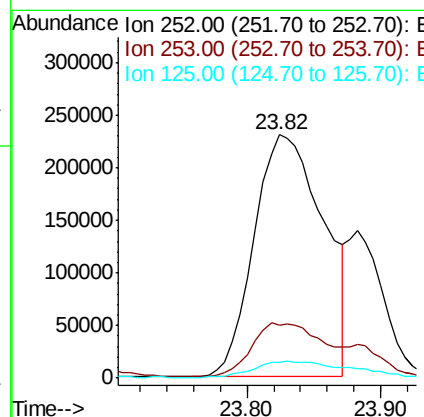
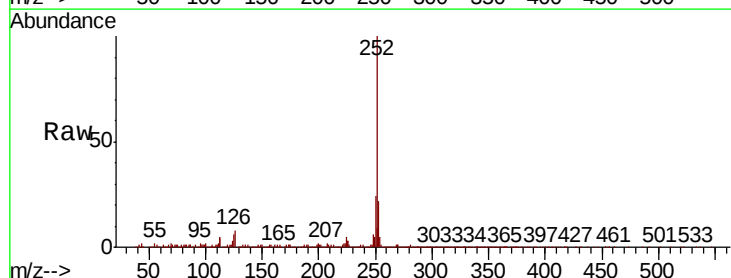
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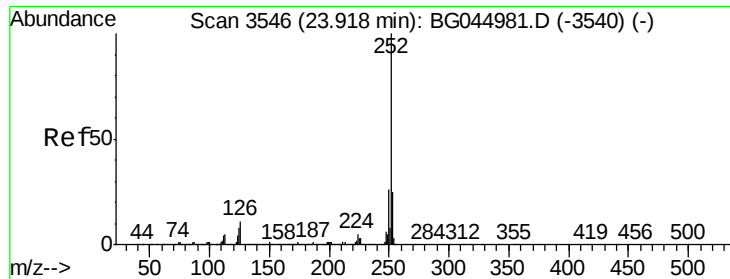
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#88
Benzo(b)fluoranthene
Concen: 25.247 ng
RT: 23.82 min Scan# 3530
Delta R.T. 0.01 min
Lab File: BG045242.D
Acq: 4 May 2020 20:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.8	28.2
125	6.3	6.2	9.4





#89

Benzo(k)fluoranthene

Concen: 8.092 ng

RT: 23.88 min Scan# 3540

Delta R.T. 0.00 min

Lab File: BG045242.D

Acq: 4 May 2020 20:33

Instrument :

BNA_G

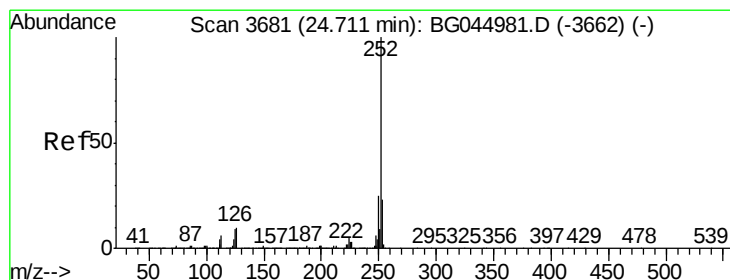
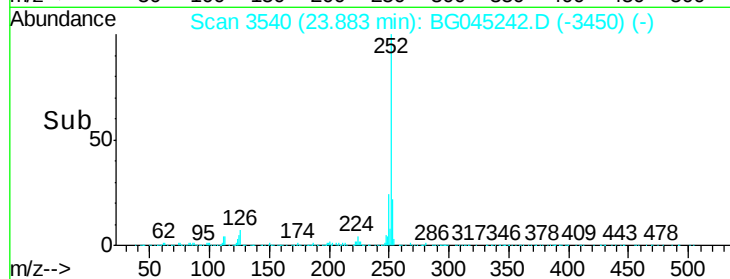
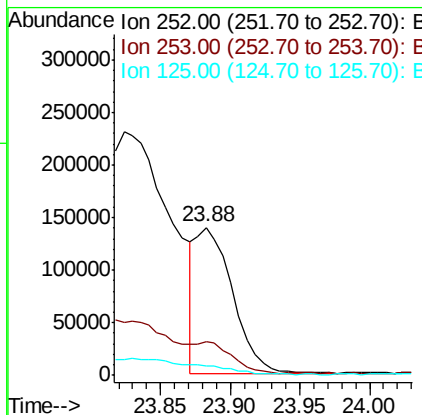
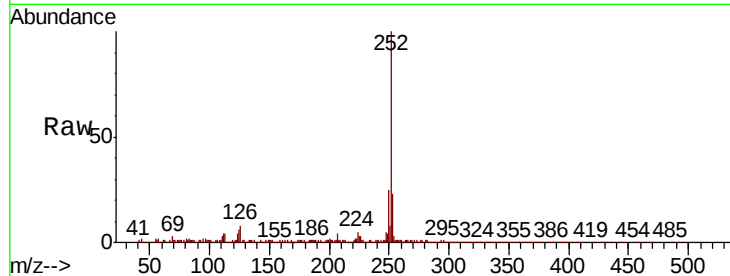
ClientSampleId :

RECOVERED-CRUSH-AGGREGAT

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	19.2	28.8
125	6.0	5.9	8.9

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#90

Benzo(a)pyrene

Concen: 25.185 ng

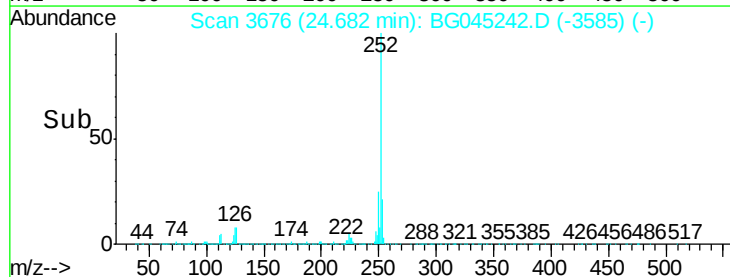
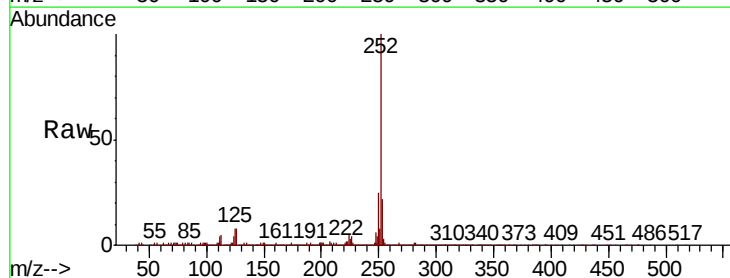
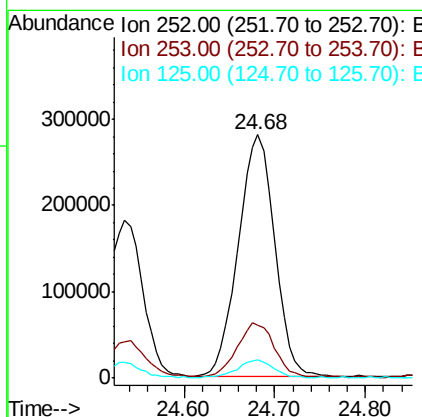
RT: 24.68 min Scan# 3676

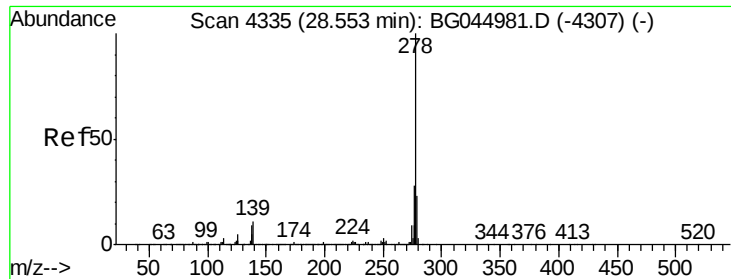
Delta R.T. 0.01 min

Lab File: BG045242.D

Acq: 4 May 2020 20:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.3	27.5
125	7.7	7.0	10.6





#91

Dibenzo(a,h)anthracene

Concen: 3.078 ng

RT: 28.48 min Scan# 4323

Delta R.T. -0.01 min

Lab File: BG045242.D

Acq: 4 May 2020 20:33

Instrument :

BNA_G

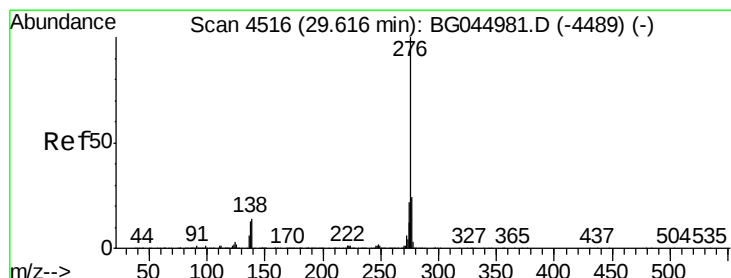
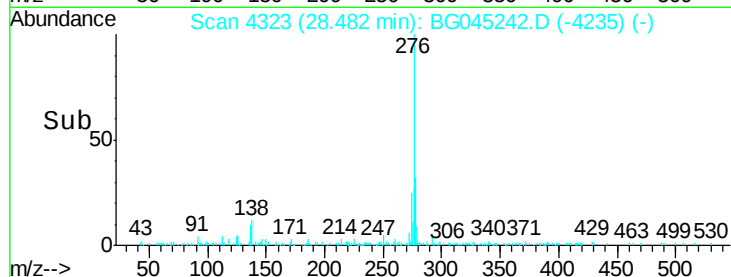
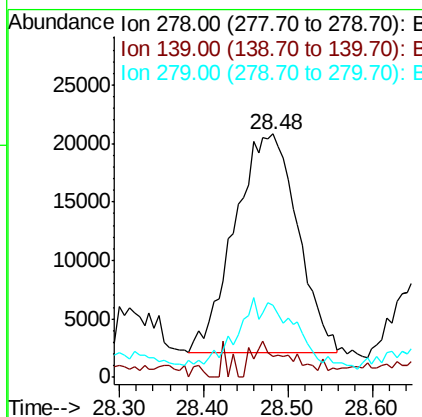
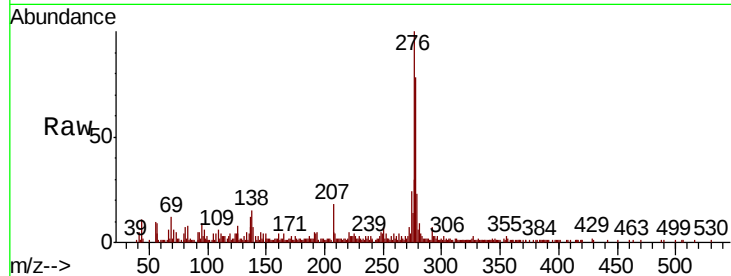
ClientSampleId :

RECOVERED-CRUSH-AGGREGAT

Tot Ion:	278	Resp:	96459
Ion Ratio	Lower	Upper	
278	100		
139	8.7	9.0	13.6#
279	29.5	18.4	27.6#

Manual Integrations
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#92

Benzo(g,h,i)perylene

Concen: 14.061 ng

RT: 29.55 min Scan# 4505

Delta R.T. 0.00 min

Lab File: BG045242.D

Acq: 4 May 2020 20:33

Tgt Ion:	276	Resp:	441850
Ion Ratio	Lower	Upper	
276	100		
277	23.8	19.3	28.9
138	12.9	11.4	17.2

