

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050720\
 Data File : BG045287.D
 Acq On : 8 May 2020 2:39
 Operator : CG/JU
 Sample : L2498-01 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-02-050620

Manual Integrations
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mohammad
 5/8/2020 1:00:25 PM

Quant Time: May 08 04:29:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 07 12:51:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.98	152	79755	20.00	ng	0.00
21) Naphthalene-d8	10.79	136	312977	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	221548	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	477870	20.00	ng	0.00
76) Chrysene-d12	21.63	240	439628	20.00	ng	0.00
87) Perylene-d12	24.81	264	485192	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	55205	11.43	ng	0.00
7) Phenol-d6	7.15	99	82562	11.50	ng	0.00
23) Nitrobenzene-d5	9.14	82	53107	7.74	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	37502	10.96	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	134036	8.87	ng	0.00
79) Terphenyl-d14	19.98	244	214169	10.62	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.84	128	39168	2.288	ng	98
37) 2-Methylnaphthalene	12.45	142	56808	4.275	ng	98
38) 1-Methylnaphthalene	12.66	142	52380m	4.175	ng	
58) Fluorene	15.67	166	64143	3.798	ng	97
71) Phenanthrene	17.41	178	361938	14.739	ng	98
72) Anthracene	17.50	178	60213	2.444	ng	95
75) Fluoranthene	19.43	202	277568	3.994	ng	97
78) Pyrene	19.78	202	344425	11.364	ng	96
81) Benzo(a)anthracene	21.62	228	158049	5.547	ng	98
83) Chrysene	21.68	228	163037m	5.955	ng	
88) Benzo(b)fluoranthene	23.81	252	126923m	4.176	ng	
90) Benzo(a)pyrene	24.65	252	120590	4.202	ng	96
92) Benzo(a,h,i)perylene	29.51	276	70832	2.443	ng	# 95

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

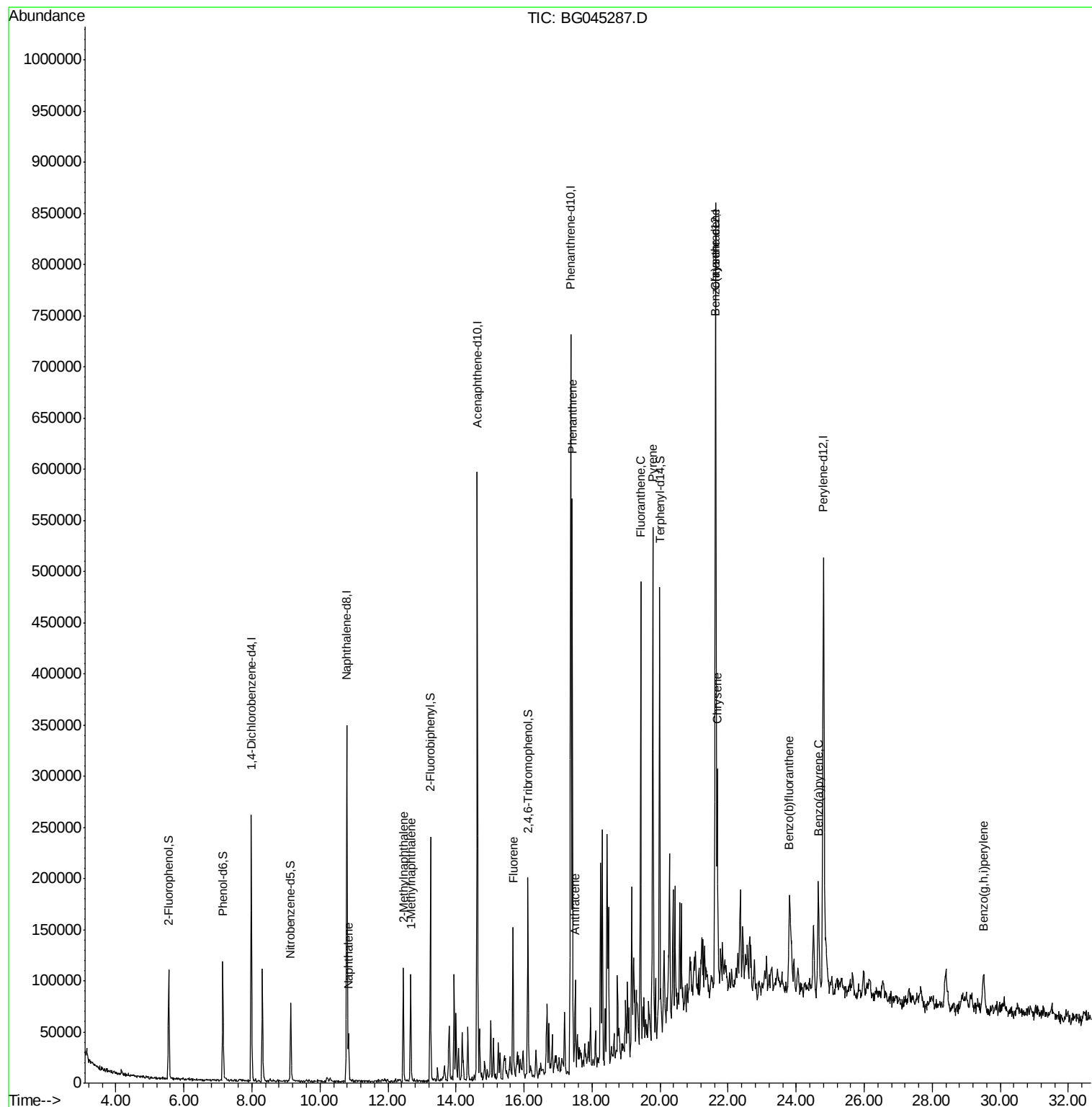
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050720\
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CL-02-050620

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Response via : Initial Calibration





#1

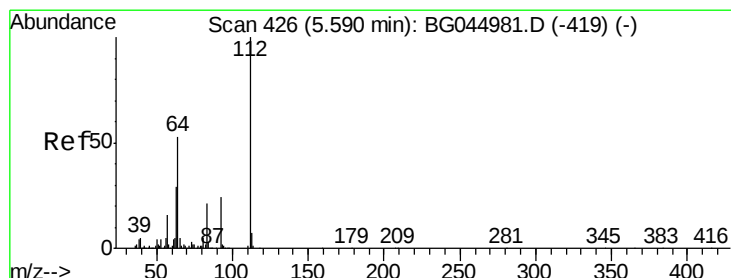
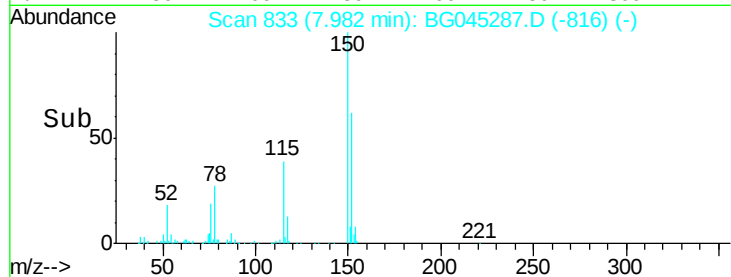
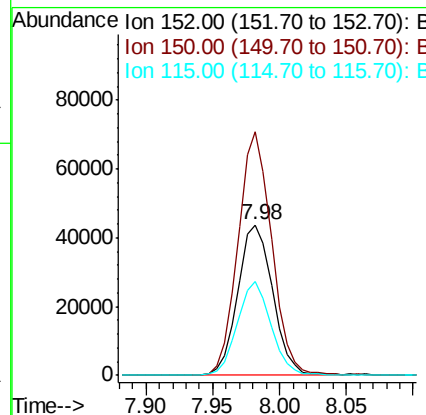
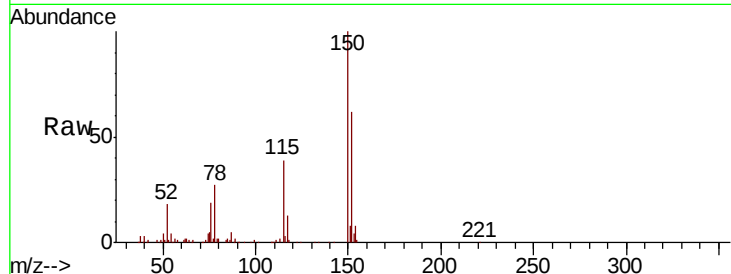
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.98 min Scan# 833
Delta R.T. -0.00 min
Lab File: BG045287.D
Acq: 8 May 2020 2:39

Instrument :
BNA_G
ClientSampleId :
CL-02-050620

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.9	123.6	185.4
115	62.8	49.1	73.7

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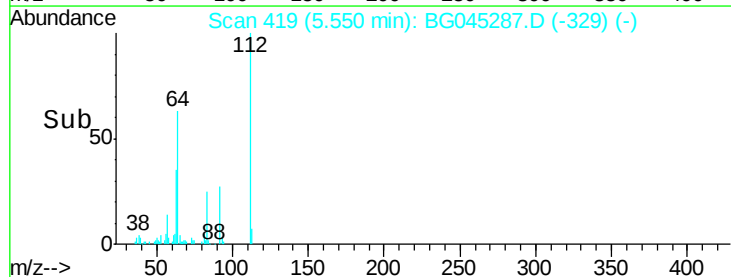
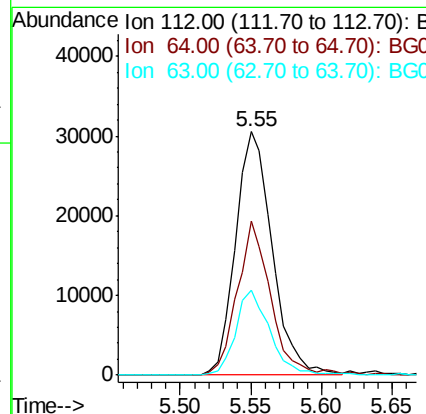
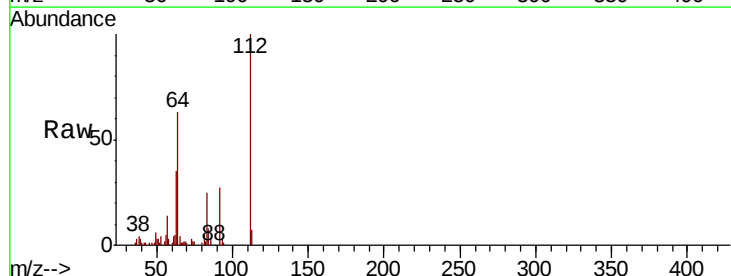
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#5

2-Fluorophenol
Concen: 11.428 ng
RT: 5.55 min Scan# 419
Delta R.T. -0.00 min
Lab File: BG045287.D
Acq: 8 May 2020 2:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.1	42.4	63.6
63	34.7	23.1	34.7#





#7

Phenol-d6

Concen: 11.503 ng

RT: 7.15 min Scan# 691

Delta R.T. -0.00 min

Lab File: BG045287.D

Acq: 8 May 2020 2:39

Instrument :

BNA_G

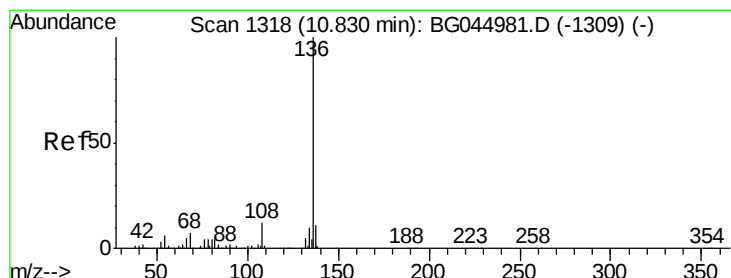
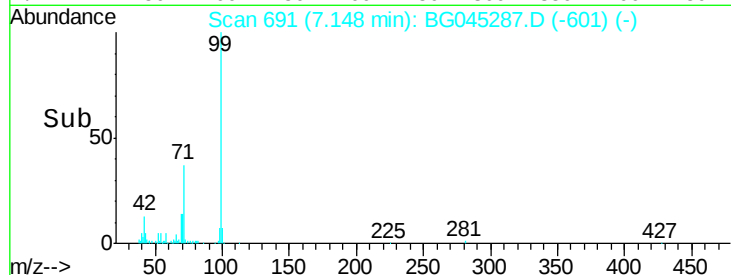
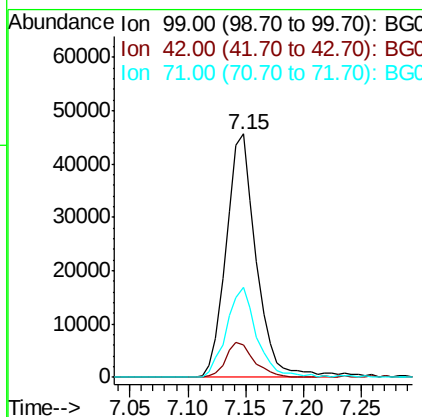
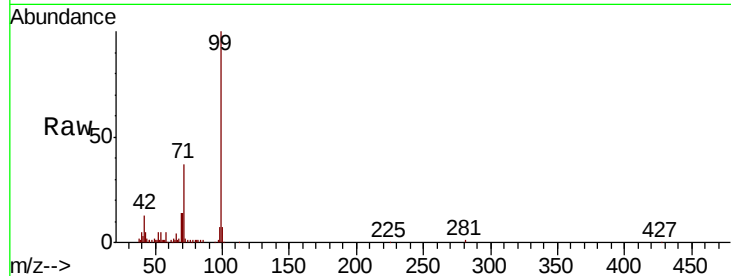
ClientSampleId :

CL-02-050620

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		82562		
42	13.1	11.3	16.9		
71	37.2	28.3	42.5		

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#21

Naphthalene-d8

Concen: 20.000 ng

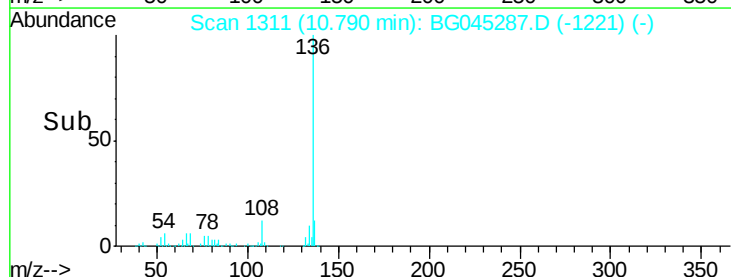
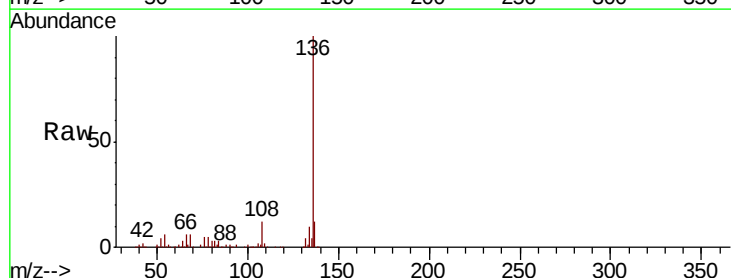
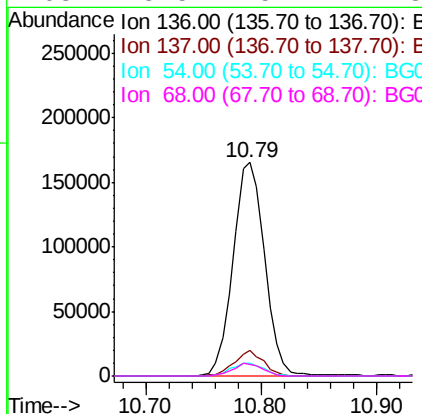
RT: 10.79 min Scan# 1311

Delta R.T. -0.00 min

Lab File: BG045287.D

Acq: 8 May 2020 2:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		312977		
137	11.8	8.6	13.0		
54	6.0	4.8	7.2		
68	5.5	5.2	7.8		





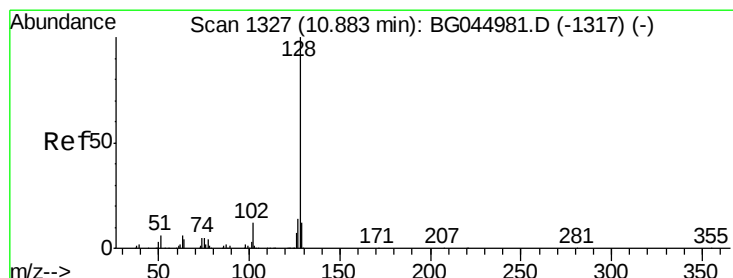
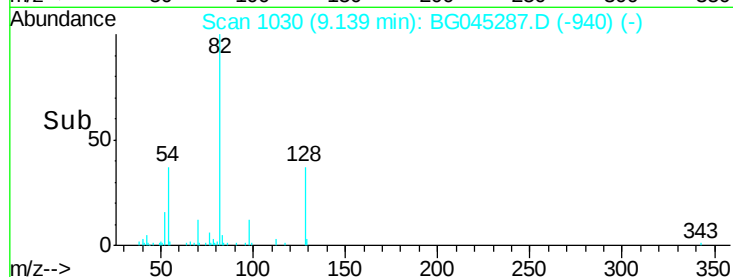
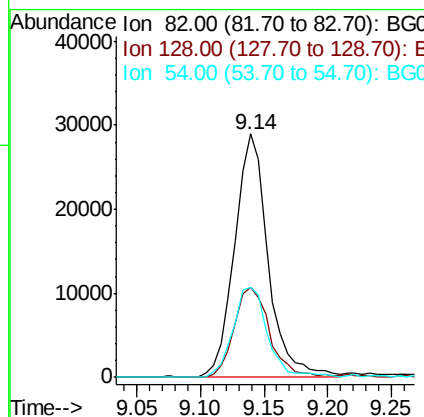
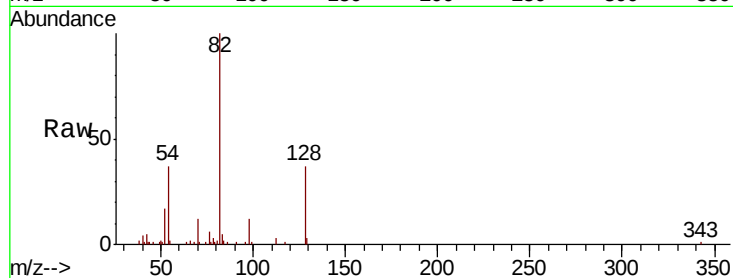
#23
Nitrobenzene-d5
Concen: 7.742 ng
RT: 9.14 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BG045287.D
Acq: 8 May 2020 2:39

Instrument :
BNA_G
ClientSampleId :
CL-02-050620

Tot Ion	Ratio	Lower	Upper
82	100		
128	37.1	33.0	49.4
54	37.0	30.4	45.6

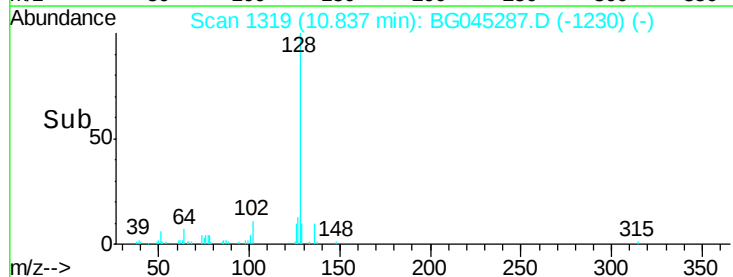
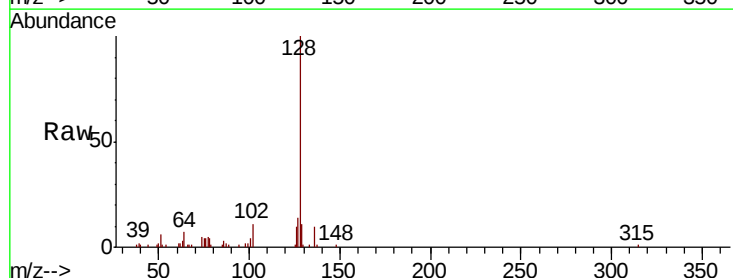
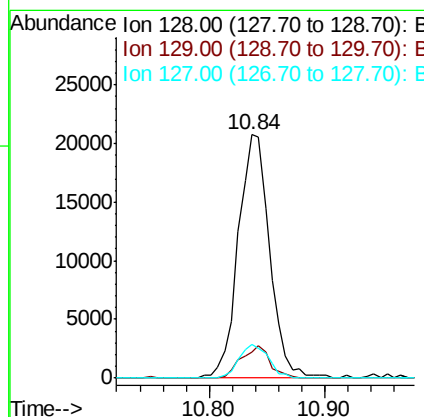
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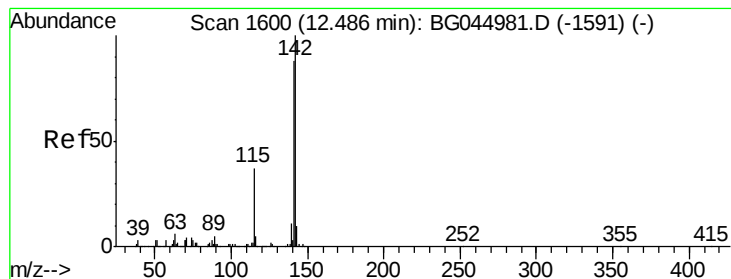
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#31
Naphthalene
Concen: 2.288 ng
RT: 10.84 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BG045287.D
Acq: 8 May 2020 2:39

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.4	14.2
127	14.1	10.8	16.2





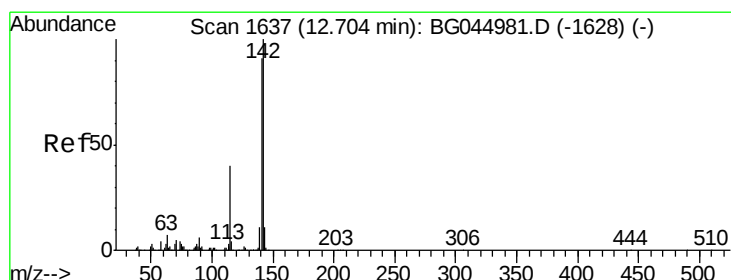
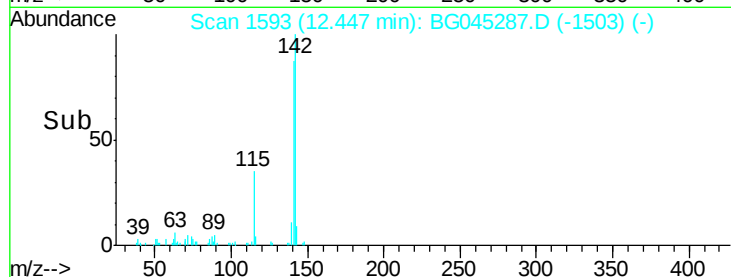
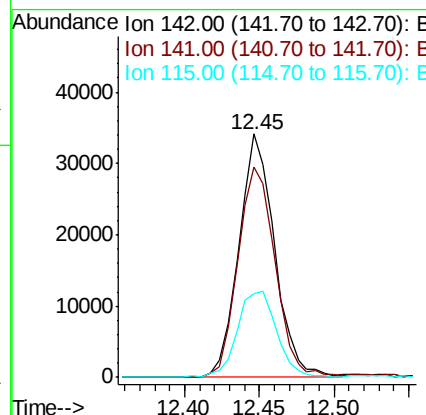
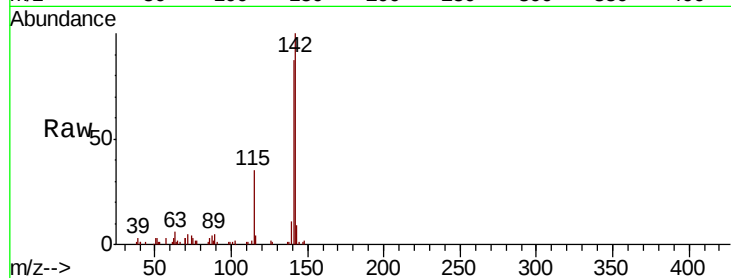
#37
 2-Methylnaphthalene
 Concen: 4.275 ng
 RT: 12.45 min Scan# 1593
 Delta R.T. -0.00 min
 Lab File: BG045287.D
 Acq: 8 May 2020 2:39

Instrument :
 BNA_G
 ClientSampleId :
 CL-02-050620

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.6	70.3	105.5
115	34.5	29.8	44.6

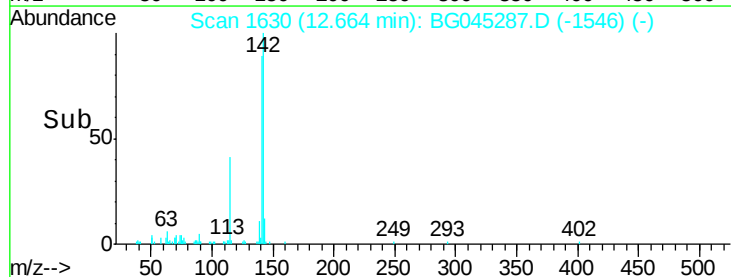
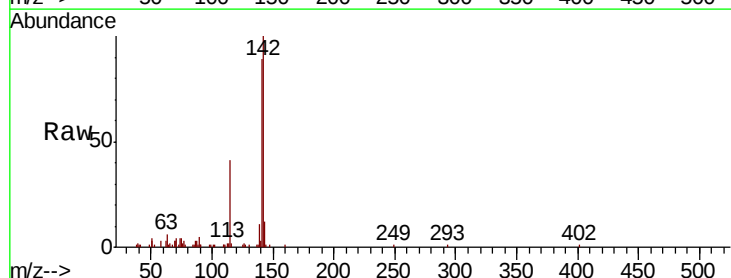
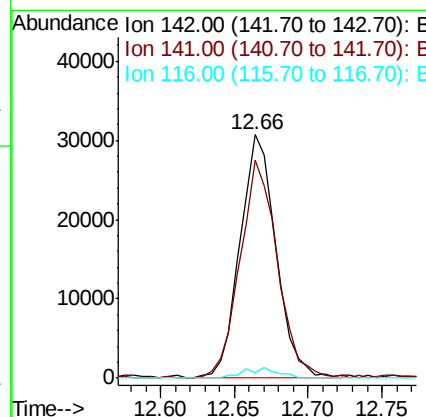
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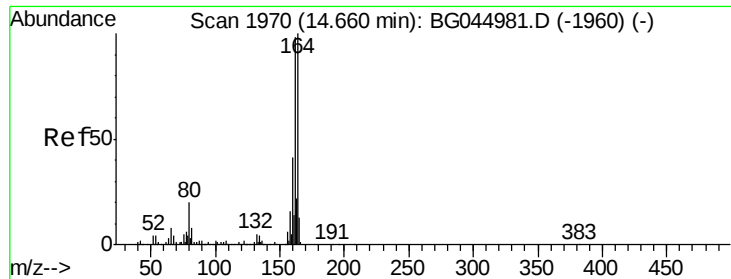
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#38
 1-Methylnaphthalene
 Concen: 4.175 ng m
 RT: 12.66 min Scan# 1630
 Delta R.T. -0.01 min
 Lab File: BG045287.D
 Acq: 8 May 2020 2:39

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.3	72.7	109.1
116	2.2	3.1	4.7#





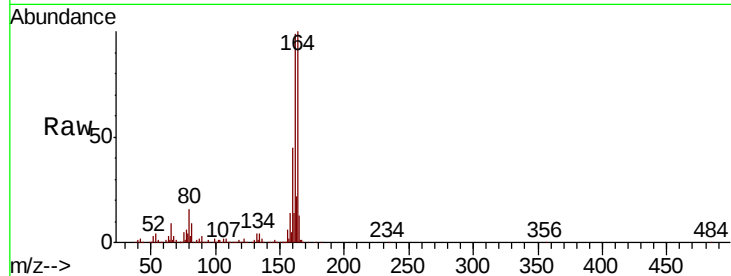
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BG045287.D
Acq: 8 May 2020 2:39

Instrument :
BNA_G
ClientSampleId :
CL-02-050620

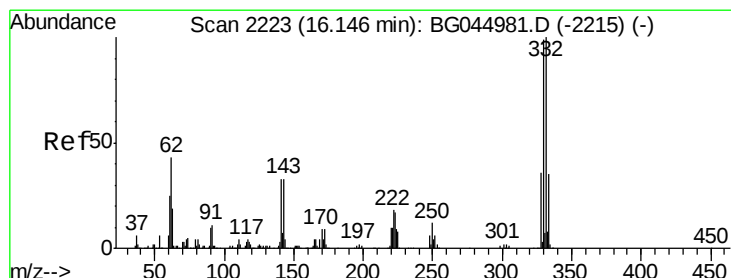
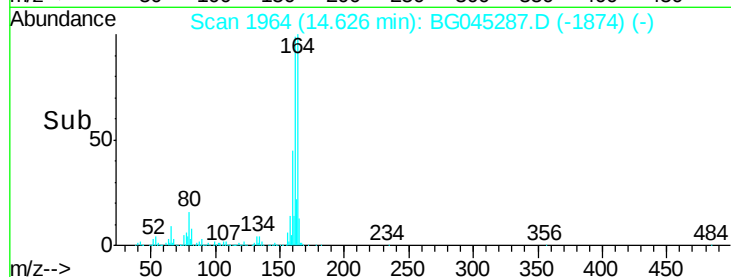
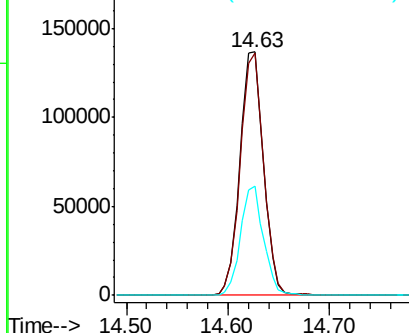
Tot Ion	Ratio	Lower	Upper
164	100		
162	99.5	78.7	118.1
160	44.6	32.8	49.2

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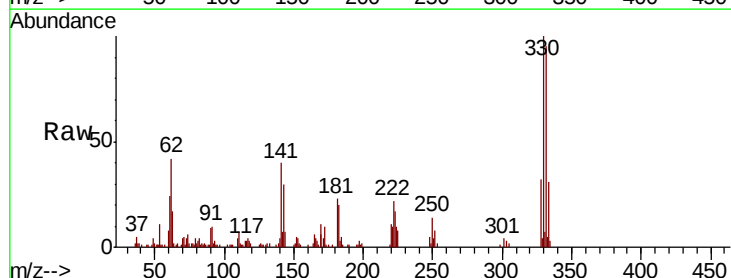


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

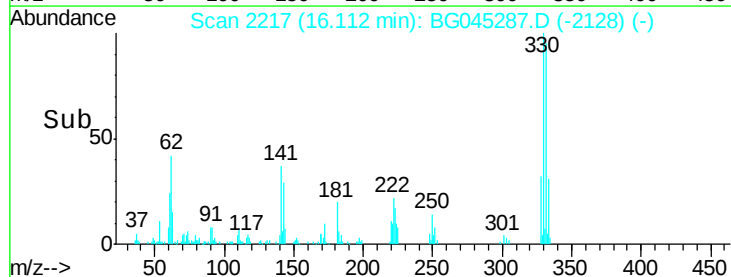
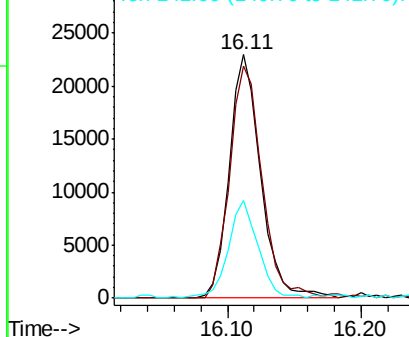


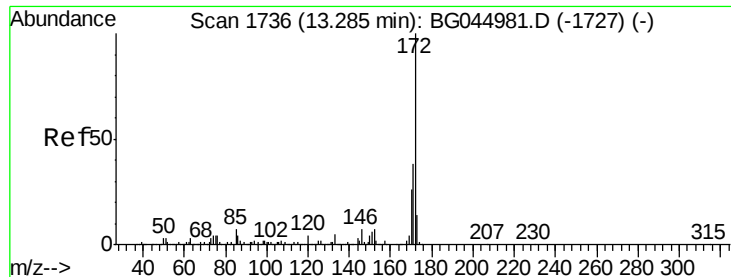
#42
2,4,6-Tribromophenol
Concen: 10.957 ng
RT: 16.11 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BG045287.D
Acq: 8 May 2020 2:39

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.8	79.1	118.7
141	38.4	27.1	40.7



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





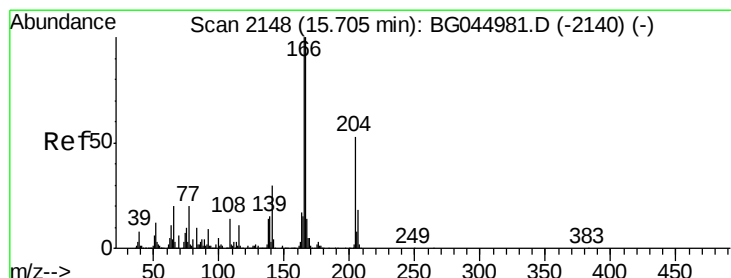
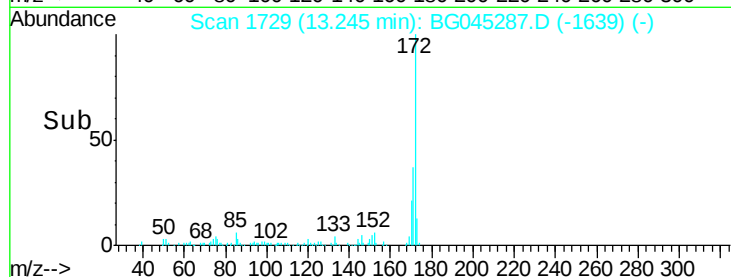
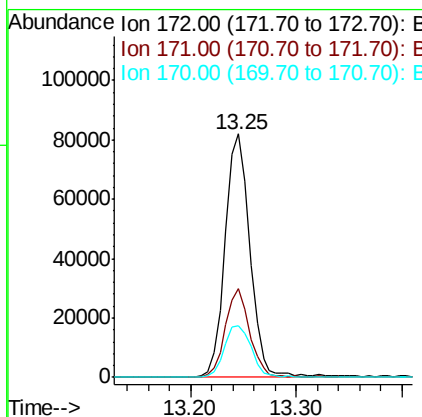
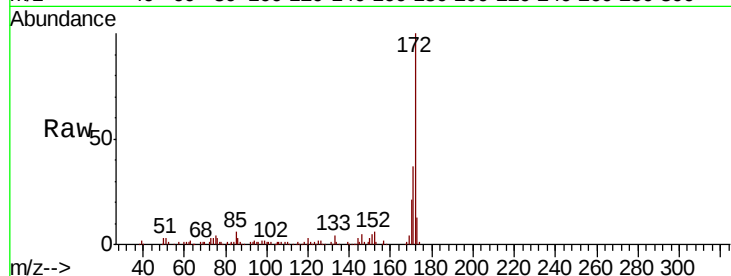
#45
2-Fluorobiphenyl
Concen: 8.871 ng
RT: 13.25 min Scan# 1729
Delta R.T. -0.00 min
Lab File: BG045287.D
Acq: 8 May 2020 2:39

Instrument :
BNA_G
ClientSampleId :
CL-02-050620

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	30.6	46.0
170	21.3	20.5	30.7

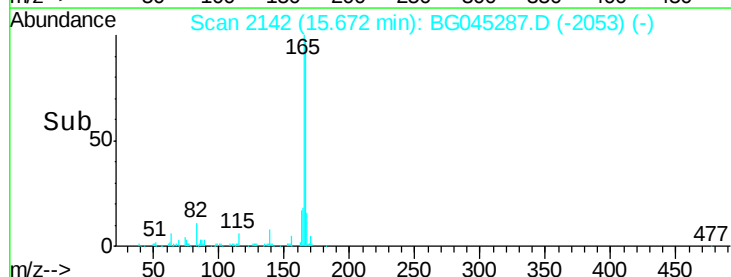
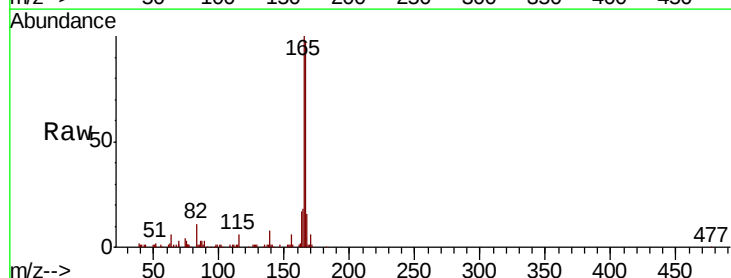
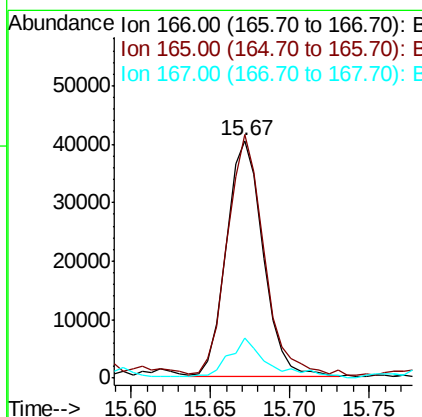
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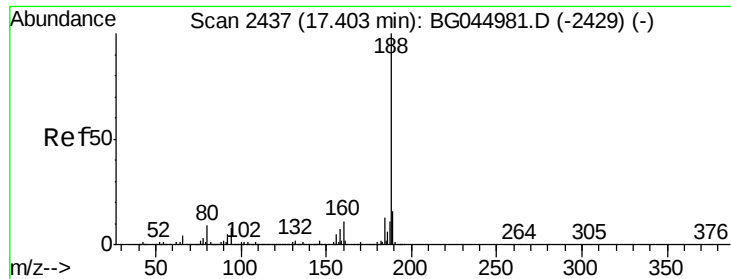
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#58
Fluorene
Concen: 3.798 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.01 min
Lab File: BG045287.D
Acq: 8 May 2020 2:39

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.6	79.9	119.9
167	16.8	11.4	17.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2431

Delta R.T. -0.01 min

Lab File: BG045287.D

Acq: 8 May 2020 2:39

Instrument :

BNA_G

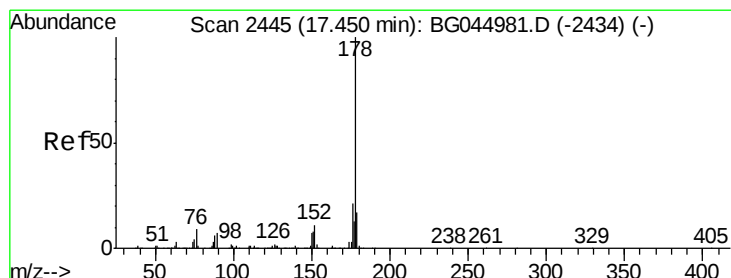
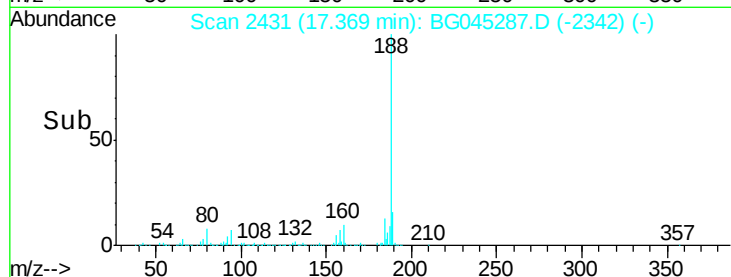
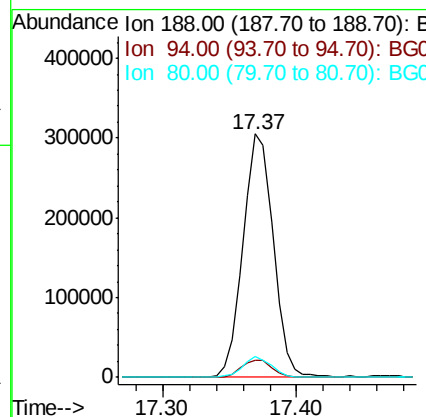
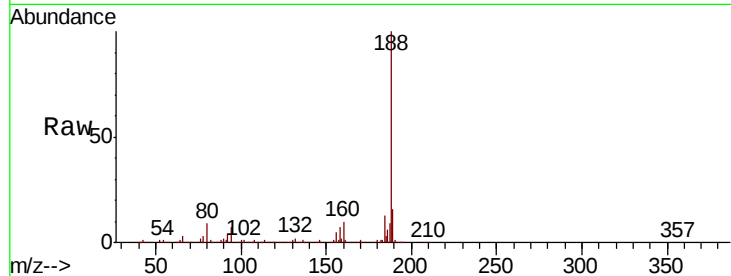
ClientSampleId :

CL-02-050620

Tot Ion:	188	Resp:	477870
Ion Ratio	Lower	Upper	
188	100		
94	7.2	6.2	9.4
80	8.5	7.0	10.6

Manual Integrations
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#71

Phenanthrene

Concen: 14.739 ng

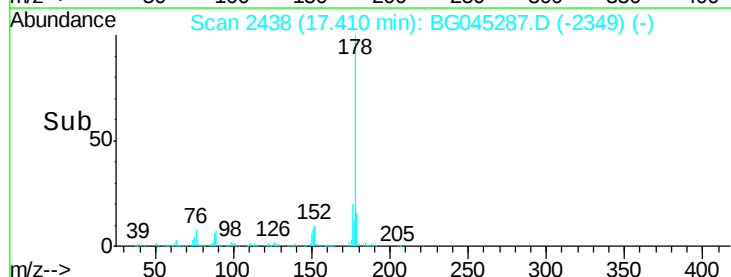
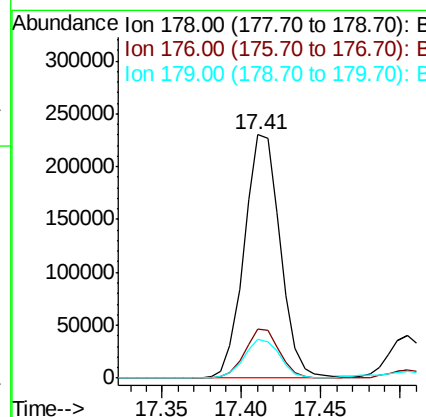
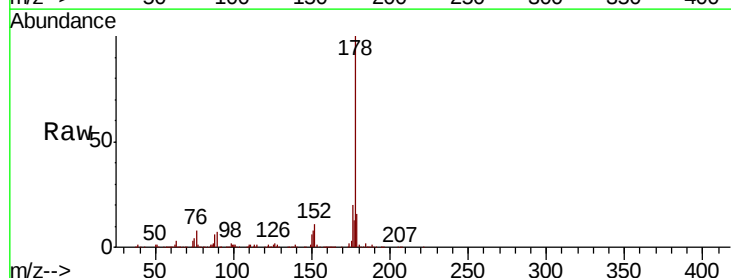
RT: 17.41 min Scan# 2438

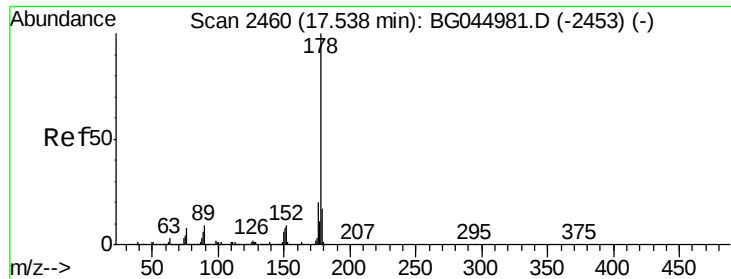
Delta R.T. -0.01 min

Lab File: BG045287.D

Acq: 8 May 2020 2:39

Tgt Ion:	178	Resp:	361938
Ion Ratio	Lower	Upper	
178	100		
176	20.1	16.8	25.2
179	16.0	13.2	19.8





#72

Anthracene

Concen: 2.444 ng

RT: 17.50 min Scan# 2454

Delta R.T. -0.01 min

Lab File: BG045287.D

Acq: 8 May 2020 2:39

Instrument :

BNA_G

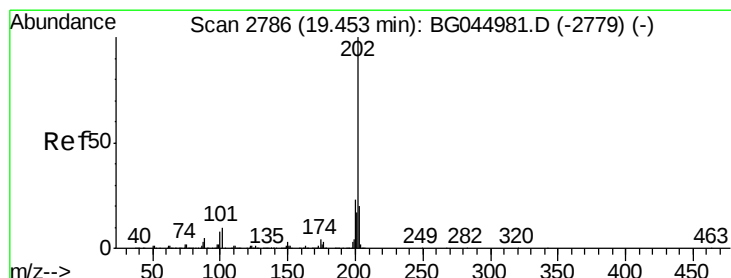
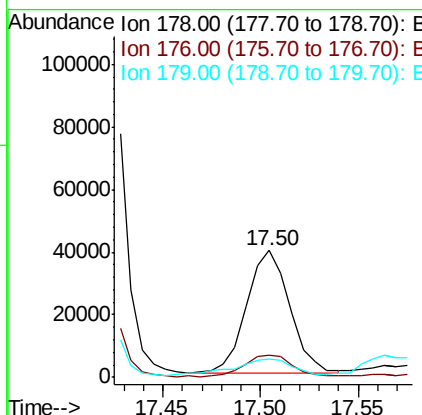
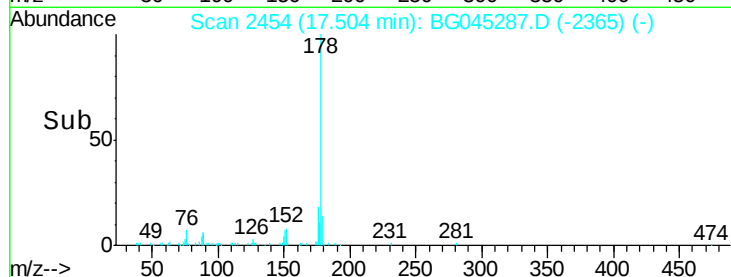
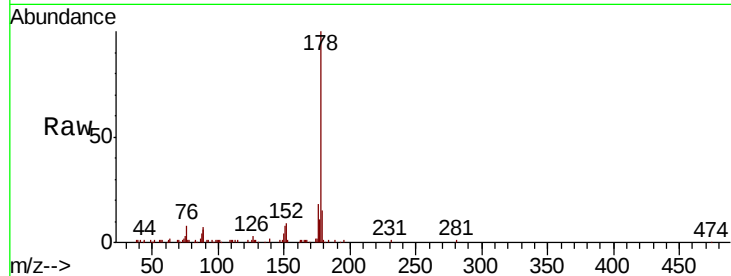
ClientSampled :

CL-02-050620

Tot Ion:	178	Resp:	60213
Ion Ratio	Lower	Upper	
178	100		
176	17.5	16.0	24.0
179	14.7	13.6	20.4

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#75

Fluoranthene

Concen: 3.994 ng

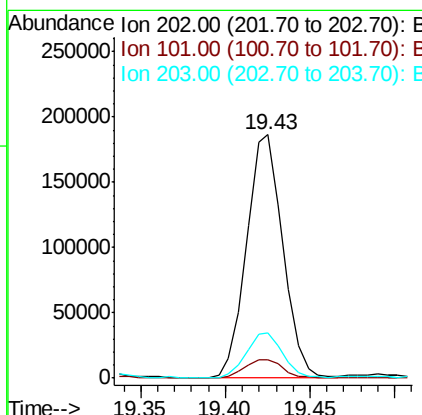
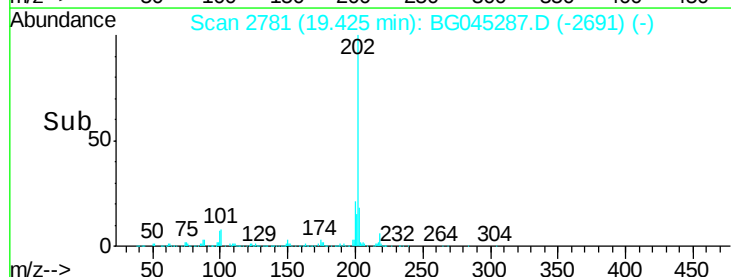
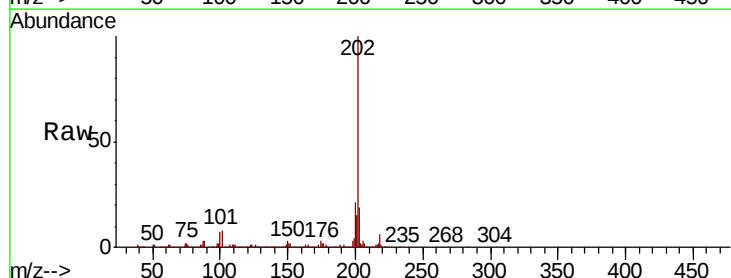
RT: 19.43 min Scan# 2781

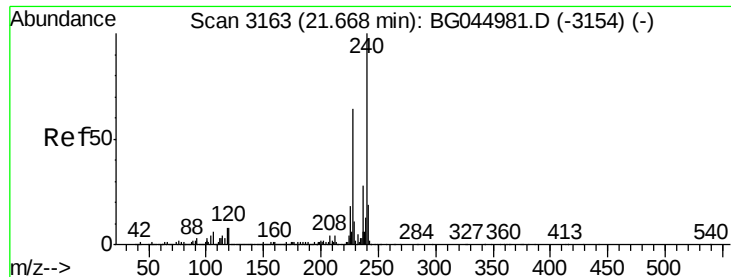
Delta R.T. -0.00 min

Lab File: BG045287.D

Acq: 8 May 2020 2:39

Tgt Ion:	202	Resp:	277568
Ion Ratio	Lower	Upper	
202	100		
101	7.6	0.0	29.6
203	18.5	0.0	39.7





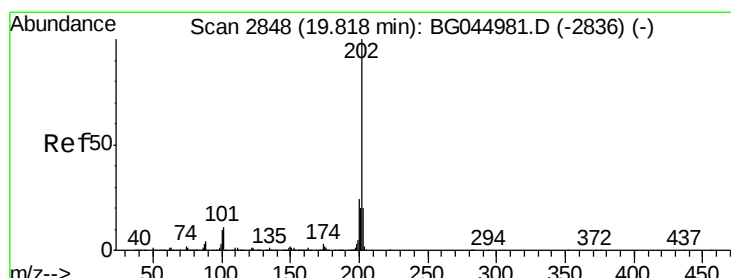
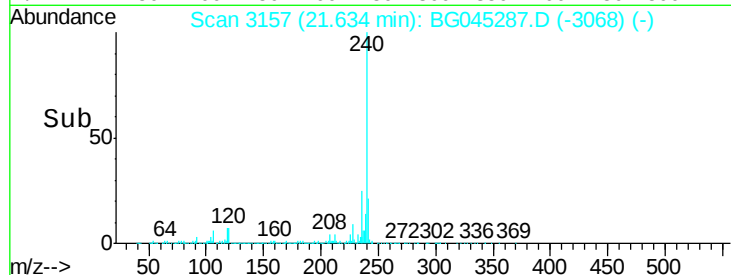
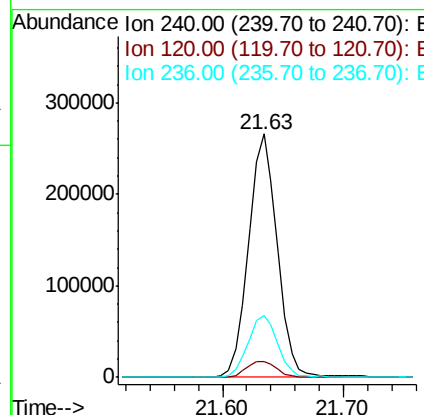
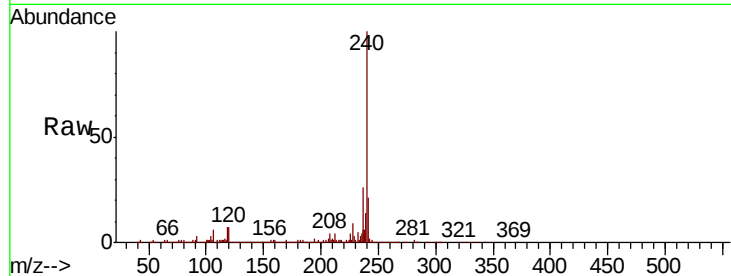
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3157
Delta R.T. -0.01 min
Lab File: BG045287.D
Acq: 8 May 2020 2:39

Instrument :
BNA_G
ClientSampleId :
CL-02-050620

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.7	6.6	10.0
236	25.6	22.2	33.2

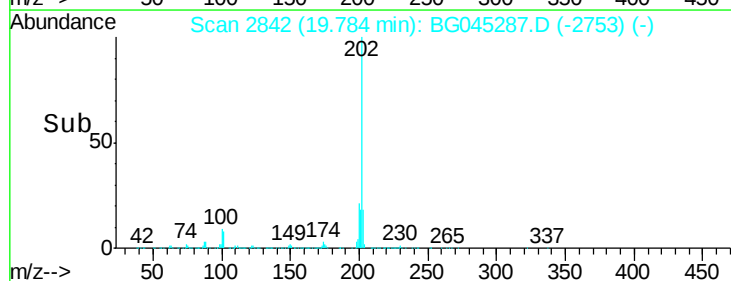
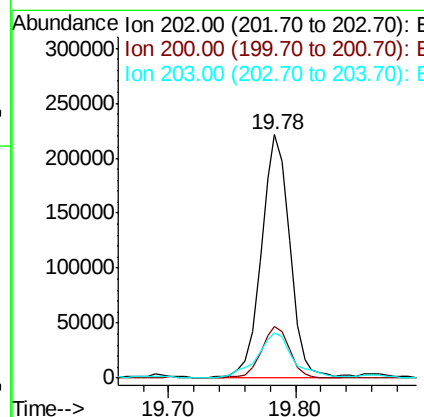
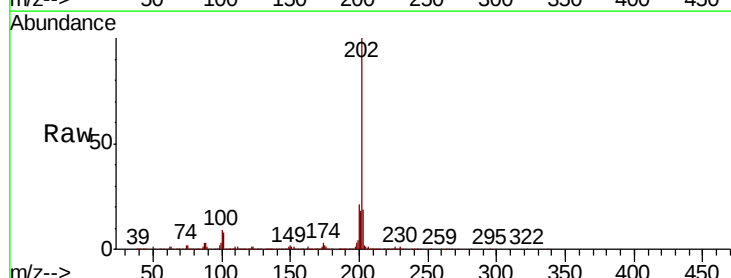
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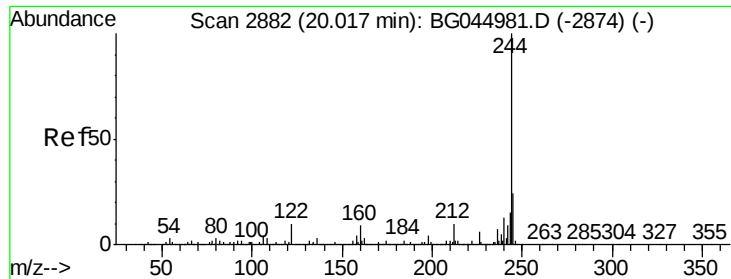
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#78
Pyrene
Concen: 11.364 ng
RT: 19.78 min Scan# 2842
Delta R.T. -0.01 min
Lab File: BG045287.D
Acq: 8 May 2020 2:39

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	19.0	28.6
203	18.6	16.1	24.1





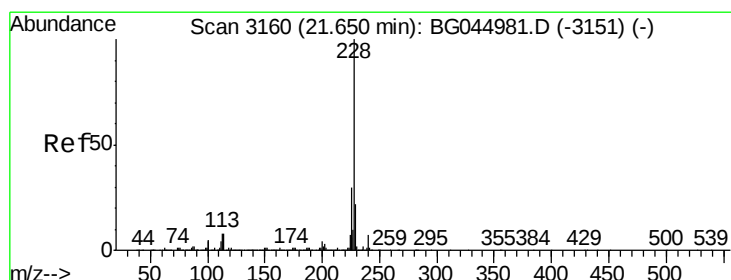
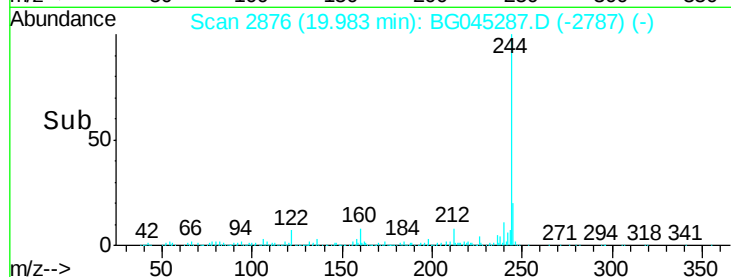
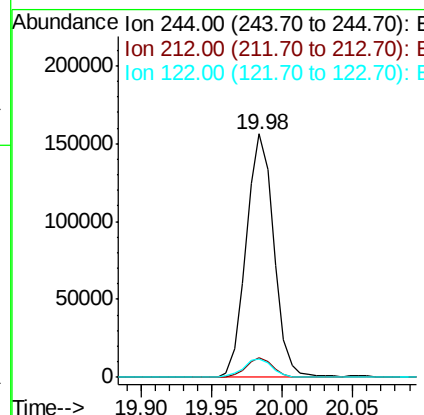
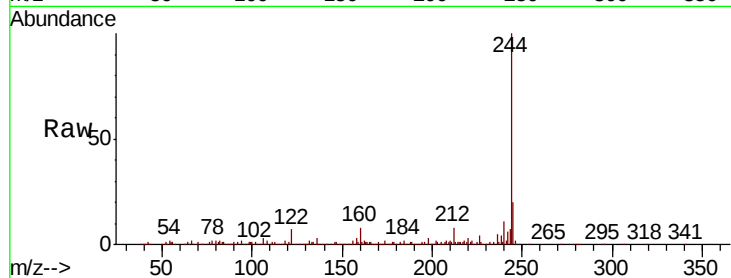
#79
 Terphenyl-d14
 Concen: 10.618 ng
 RT: 19.98 min Scan# 2876
 Delta R.T. -0.01 min
 Lab File: BG045287.D
 Acq: 8 May 2020 2:39

Instrument :
 BNA_G
 ClientSampleId :
 CL-02-050620

Tot Ion:	244	Resp:	214169
Ion Ratio		Lower	Upper
244	100		
212	8.3	7.9	11.9
122	7.3	7.7	11.5#

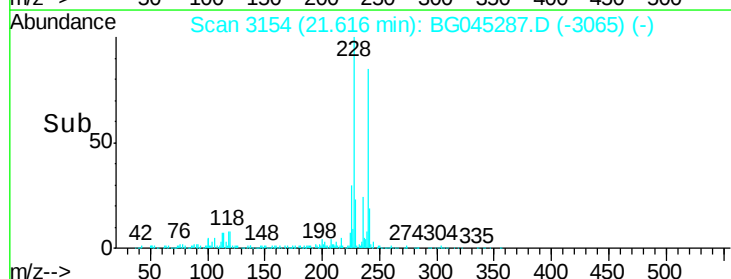
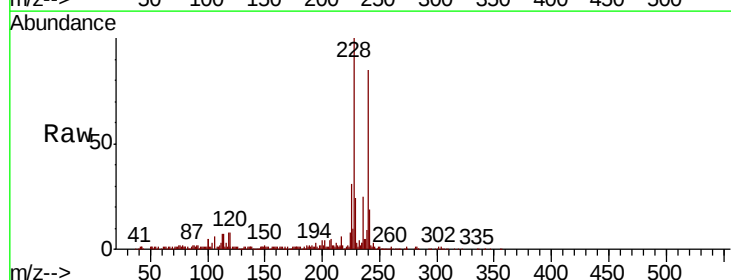
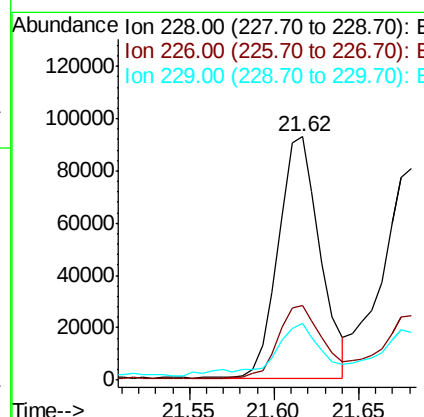
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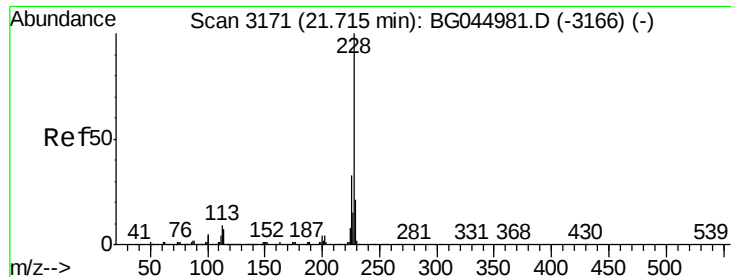
mohammad
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#81
 Benzo(a)anthracene
 Concen: 5.547 ng
 RT: 21.62 min Scan# 3154
 Delta R.T. -0.01 min
 Lab File: BG045287.D
 Acq: 8 May 2020 2:39

Tgt Ion:	228	Resp:	158049
Ion Ratio		Lower	Upper
228	100		
226	30.6	24.0	36.0
229	23.6	17.5	26.3





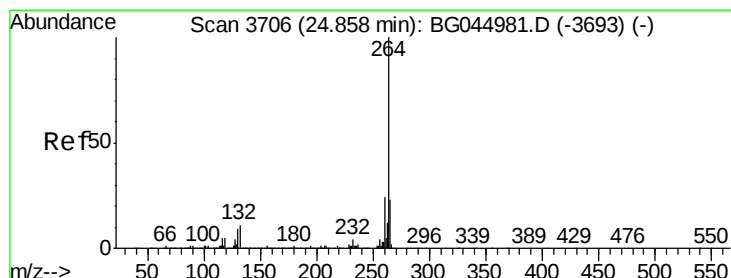
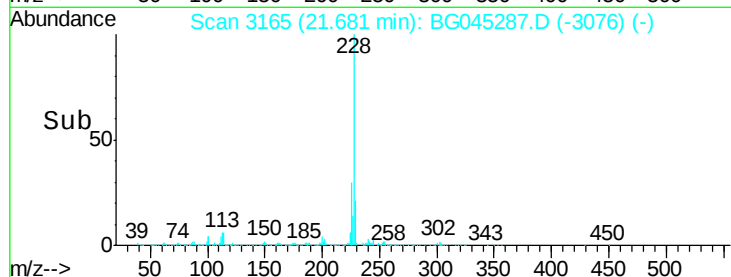
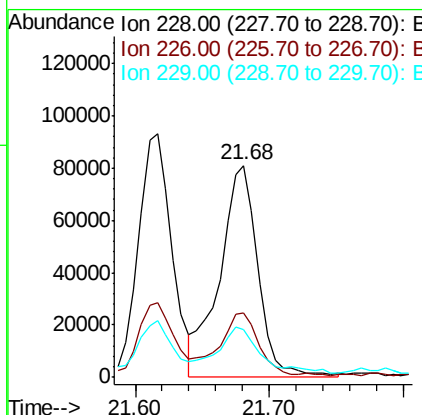
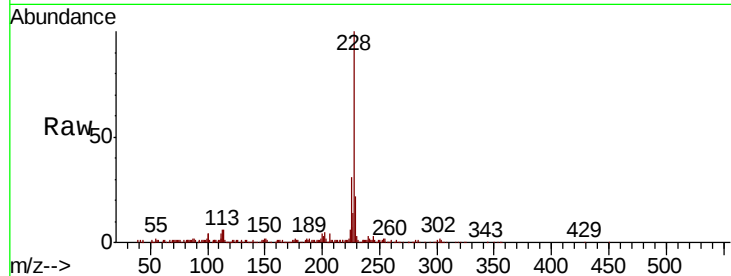
#83
Chrysene
Concen: 5.955 ng/ml
RT: 21.68 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG045287.D
Acq: 8 May 2020 2:39

Instrument :
BNA_G
ClientSampleId :
CL-02-050620

Tot Ion:	228	Resp:	163037
Ion Ratio	Lower	Upper	
228	100		
226	30.6	26.2	39.4
229	22.3	17.0	25.6

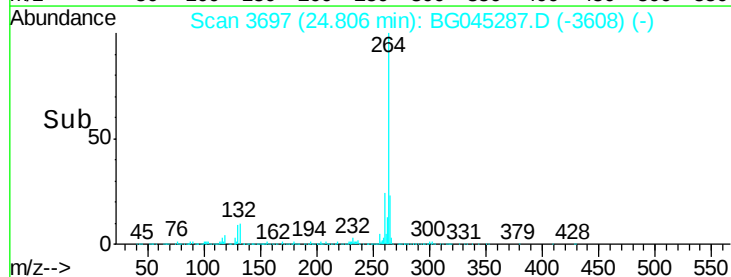
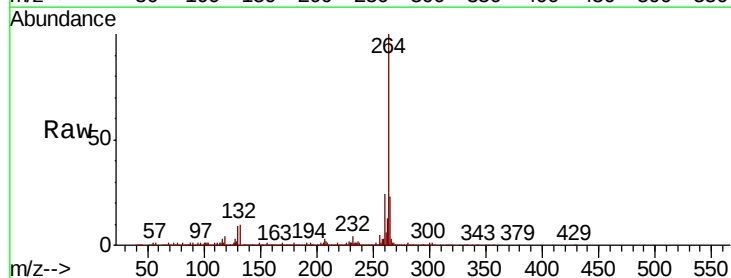
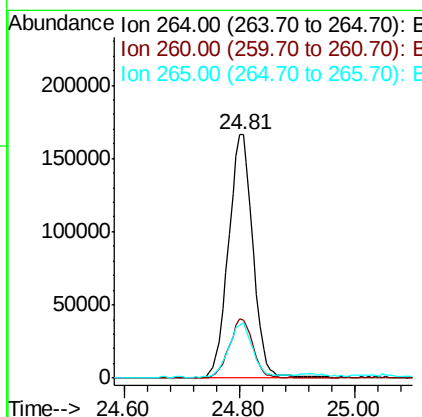
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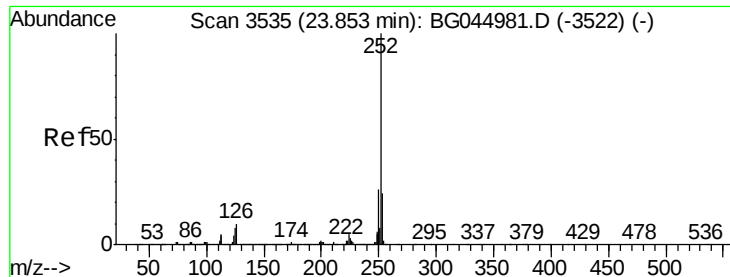
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 24.81 min Scan# 3697
Delta R.T. -0.01 min
Lab File: BG045287.D
Acq: 8 May 2020 2:39

Tgt Ion:	264	Resp:	485192
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.2	28.8
265	22.7	19.0	28.4





#88

Benzo(b)fluoranthene

Concen: 4.176 ng

RT: 23.81 min Scan# 3527

Delta R.T. -0.01 min

Lab File: BG045287.D

Acq: 8 May 2020 2:39

Instrument :

BNA_G

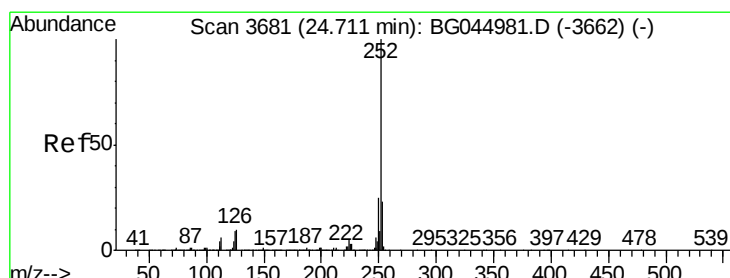
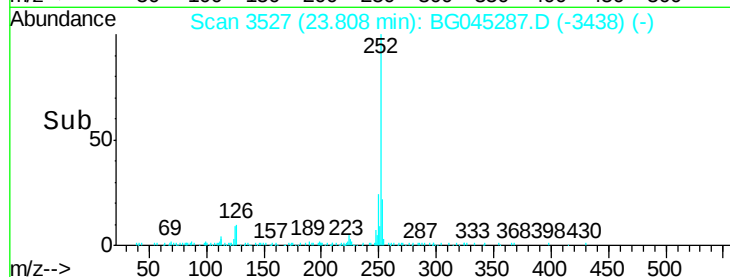
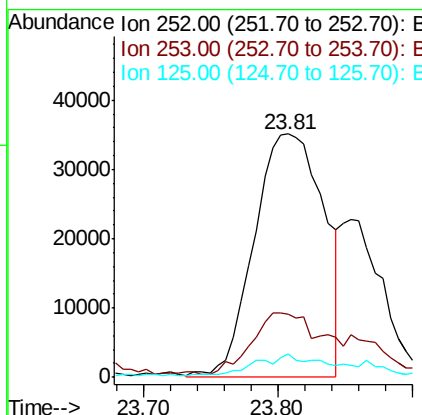
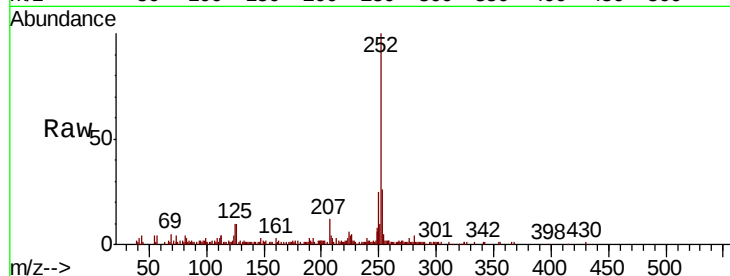
ClientSampleId :

CL-02-050620

Tot Ion:	252	Resp:	126923
Ion Ratio	Lower	Upper	
252	100		
253	26.1	18.8	28.2
125	9.5	6.2	9.4#

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#90

Benzo(a)pyrene

Concen: 4.202 ng

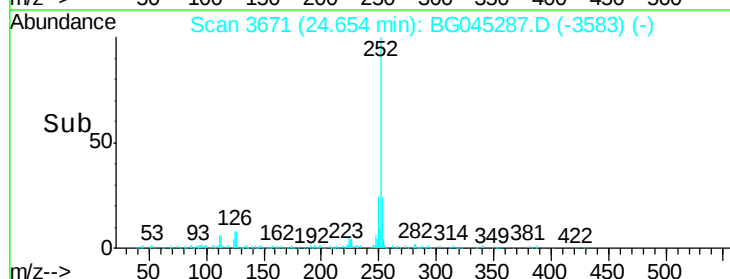
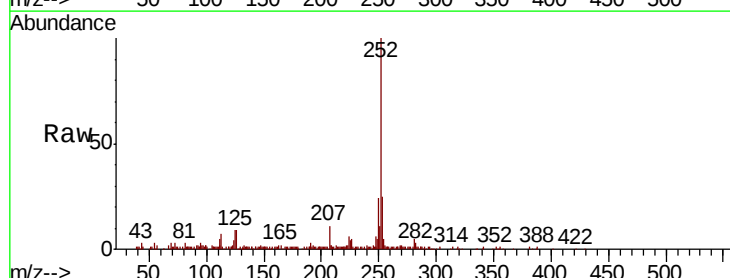
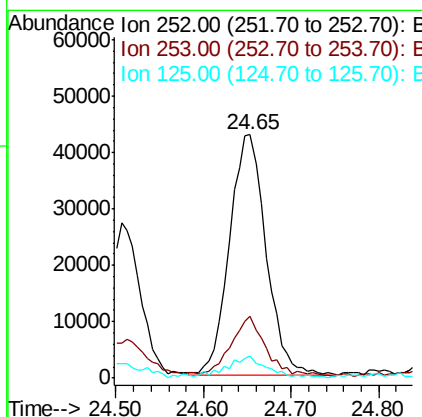
RT: 24.65 min Scan# 3671

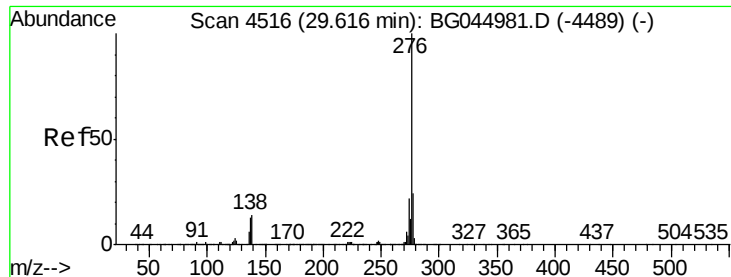
Delta R.T. -0.01 min

Lab File: BG045287.D

Acq: 8 May 2020 2:39

Tgt Ion:	252	Resp:	120590
Ion Ratio	Lower	Upper	
252	100		
253	25.2	18.3	27.5
125	9.1	7.0	10.6





#92
 Benzo(a,h,i)perylene
 Concen: 2.443 ng
 RT: 29.51 min Scan# 4497
 Delta R.T. -0.04 min
 Lab File: BG045287.D
 Acq: 8 May 2020 2:39

Instrument :
 BNA_G
 ClientSampleId :
 CL-02-050620

Tot Ion:	276	Resp:	70832
Ion Ratio	Lower	Upper	
276	100		
277	22.8	19.3	28.9
138	10.2	11.4	17.2#

Manual Integrations
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