

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061720\
 Data File : BG045787.D
 Acq On : 17 Jun 2020 12:44
 Operator : CG/JU
 Sample : L2973-01RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RL-356-RL-212RE

Manual Integrations
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Quant Time: Jun 17 13:27:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 15 18:34:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	64528	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	266095	20.00	ng	0.00
39) Acenaphthene-d10	14.57	164	177087	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	374544	20.00	ng	0.00
76) Chrysene-d12	21.58	240	335147	20.00	ng	0.00
86) Perylene-d12	24.71	264	395132	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	18643	4.88	ng	0.00
7) Phenol-d6	7.16	99	126983	21.85	ng	0.00
23) Nitrobenzene-d5	9.08	82	151724	26.05	ng	0.00
42) 2,4,6-Tribromophenol	16.07	330	1394	0.52	ng	0.00
45) 2-Fluorobiphenyl	13.19	172	353926	29.37	ng	0.00
79) Terphenyl-d14	19.94	244	524845	31.74	ng	0.00
Target Compounds						
50) Dimethylphthalate	14.02	163	61785	4.454	ng	98
75) Fluoranthene	19.37	202	182002	7.662	ng	99
78) Pyrene	19.74	202	341058	15.197	ng	98
81) Benzo(a)anthracene	21.56	228	227859	10.486	ng	# 63
83) Chrysene	21.62	228	210173	10.000	ng	97
87) Indeno(1,2,3-cd)pyrene	28.26	276	311191	10.864	ng	# 96
88) Benzo(b)fluoranthene	23.72	252	397622m	16.050	ng	
89) Benzo(k)fluoranthene	23.78	252	148439m	6.260	ng	
90) Benzo(a)pyrene	24.56	252	435413	18.814	ng	98
91) Dibenzo(a,h)anthracene	28.29	278	60502m	2.634	ng	
92) Benzo(g,h,i)perylene	29.36	276	417916	18.177	ng	99

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

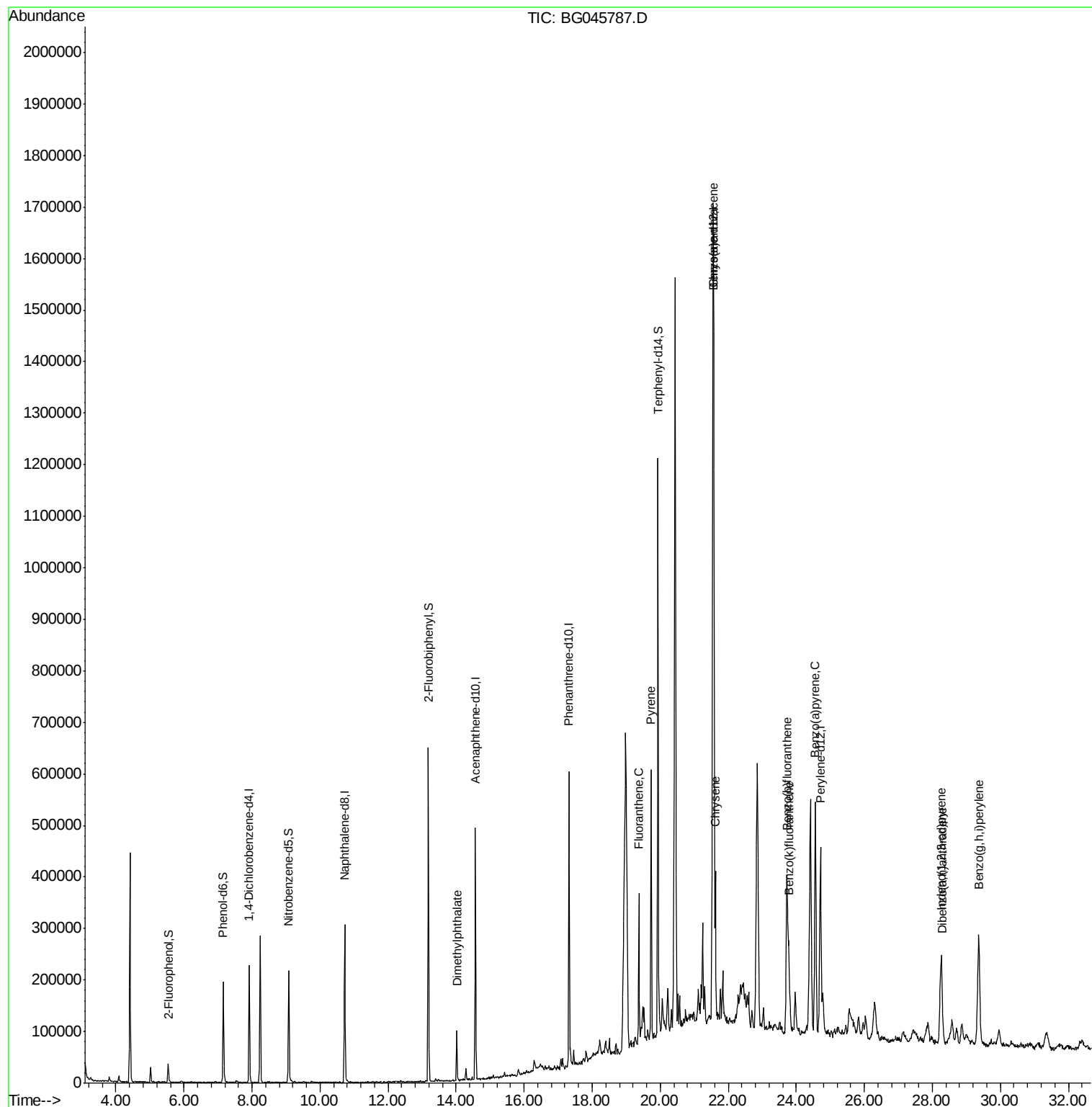
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061720\
Data File : BG045787.D
Acq On : 17 Jun 2020 12:44
Operator : CG/JU
Sample : L2973-01RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

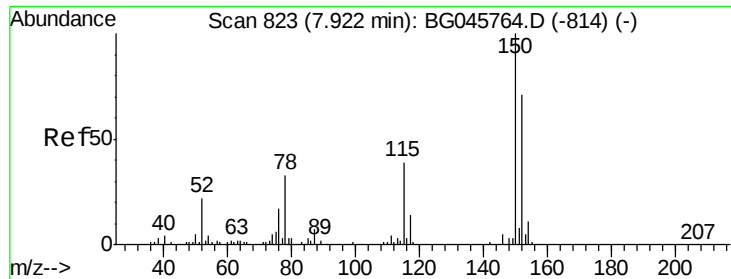
Instrument :
BNA_G
ClientSampleId :
RL-356-RL-212RE

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Quant Time: Jun 17 13:27:27 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 15 18:34:19 2020
Response via : Initial Calibration





#1

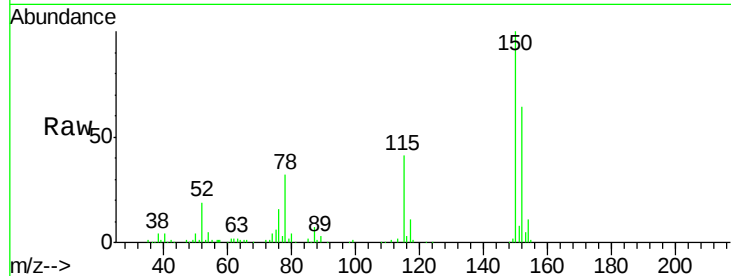
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. -0.01 min
Lab File: BG045787.D
Acq: 17 Jun 2020 12:44

Instrument :
BNA_G
ClientSampleId :
RL-356-RL-212RE

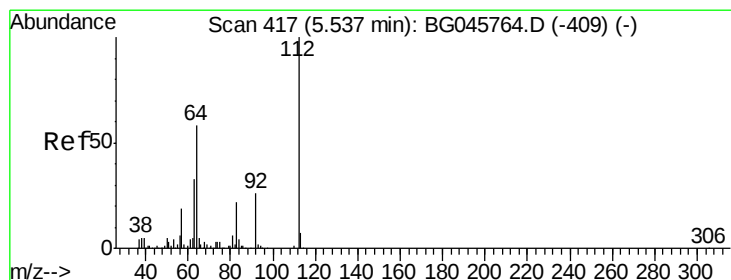
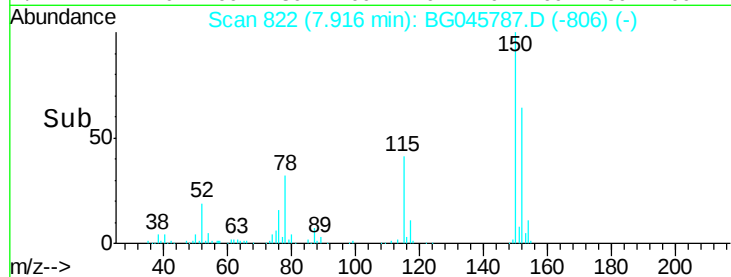
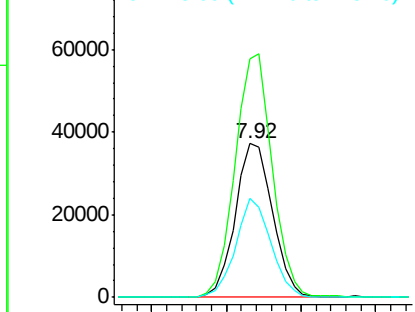
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	113.1	169.7
115	64.5	43.8	65.6

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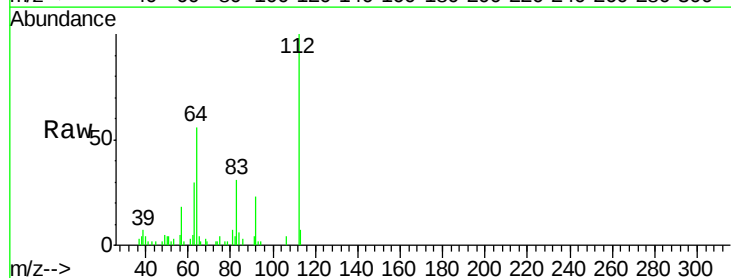
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



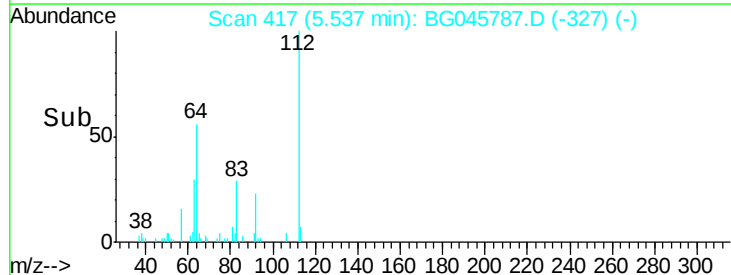
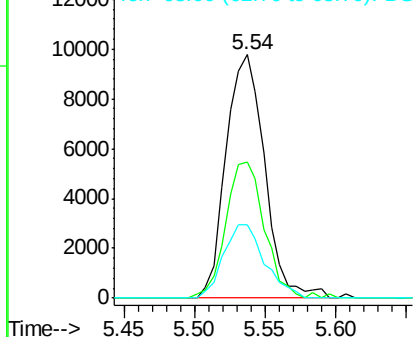
#5

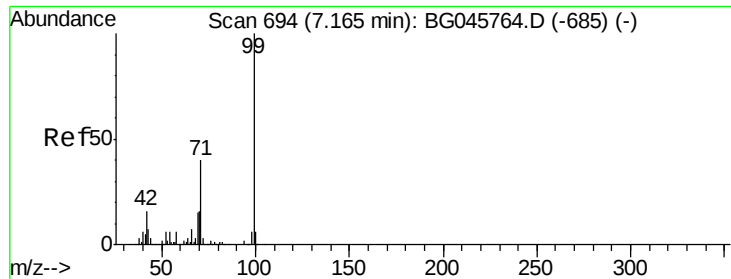
2-Fluorophenol
Concen: 4.880 ng
RT: 5.54 min Scan# 417
Delta R.T. -0.00 min
Lab File: BG045787.D
Acq: 17 Jun 2020 12:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	46.6	69.8
63	30.3	26.3	39.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 21.854 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG045787.D

Acq: 17 Jun 2020 12:44

Instrument :

BNA_G

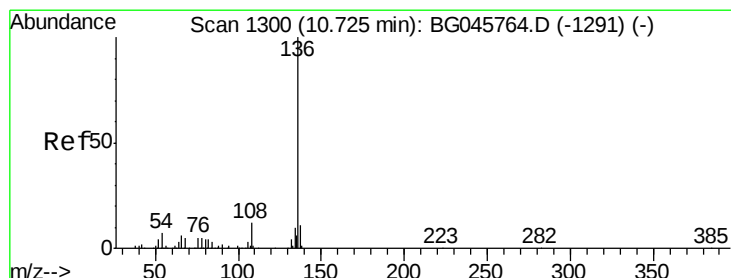
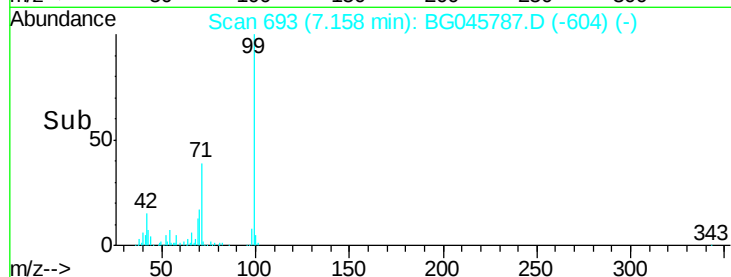
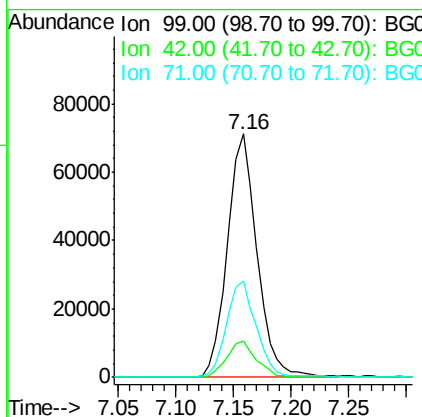
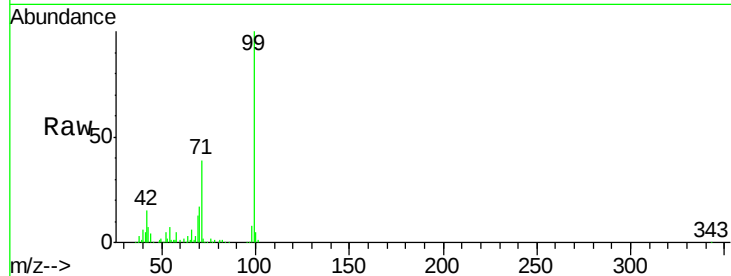
ClientSampleId :

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		126983		
42	14.8	12.4	18.6		
71	39.4	32.1	48.1		

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#21

Naphthalene-d8

Concen: 20.000 ng

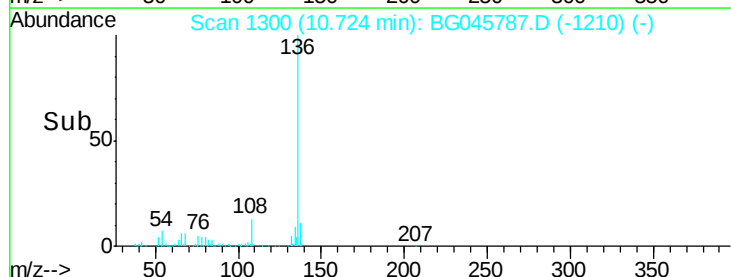
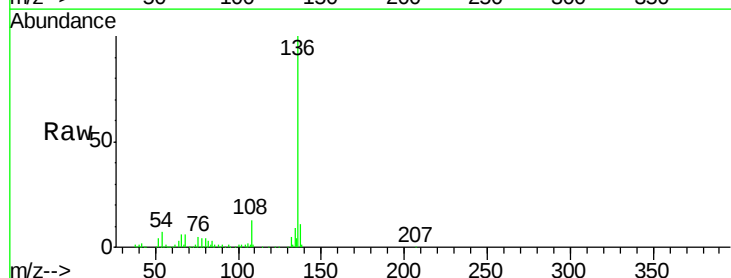
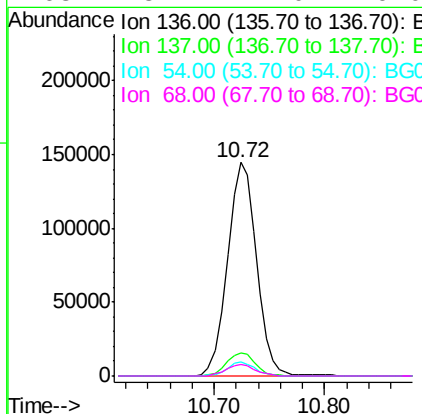
RT: 10.72 min Scan# 1300

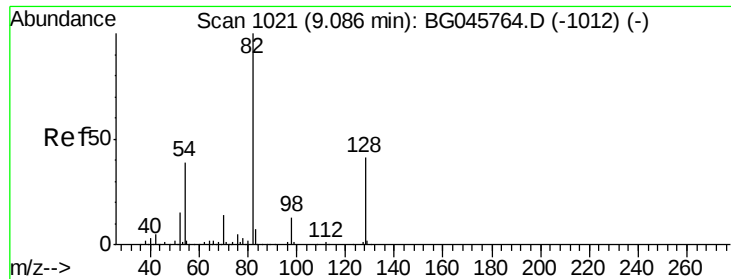
Delta R.T. -0.00 min

Lab File: BG045787.D

Acq: 17 Jun 2020 12:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		266095		
137	11.0	8.7	13.1		
54	6.6	5.8	8.6		
68	5.7	4.0	6.0		





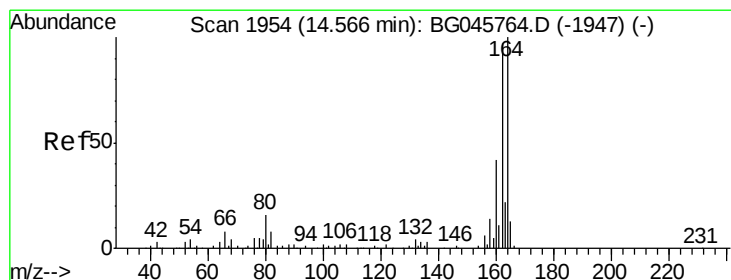
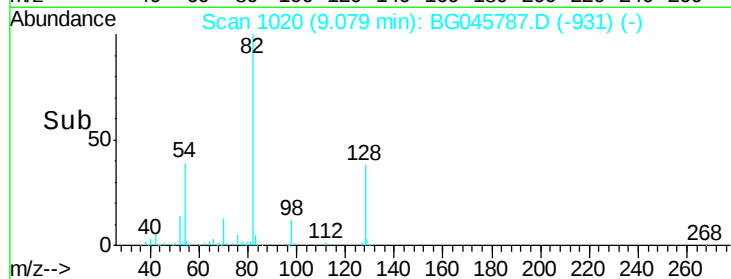
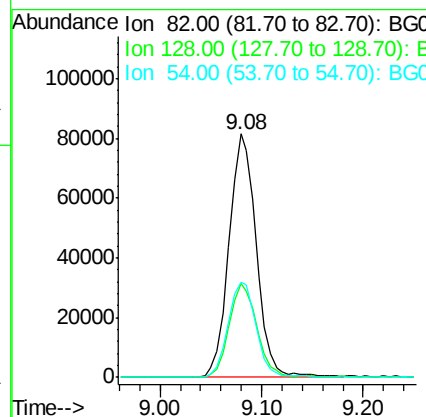
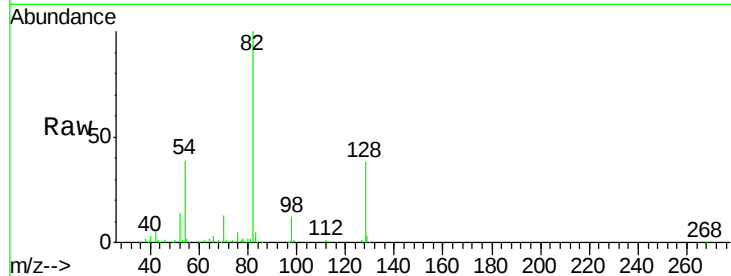
#23
Nitrobenzene-d5
Concen: 26.048 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BG045787.D
Acq: 17 Jun 2020 12:44

Instrument :
BNA_G
ClientSampleId :
RL-356-RL-212RE

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.4	32.5	48.7
54	39.0	31.2	46.8

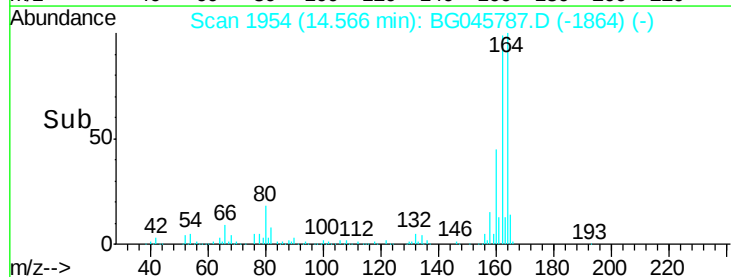
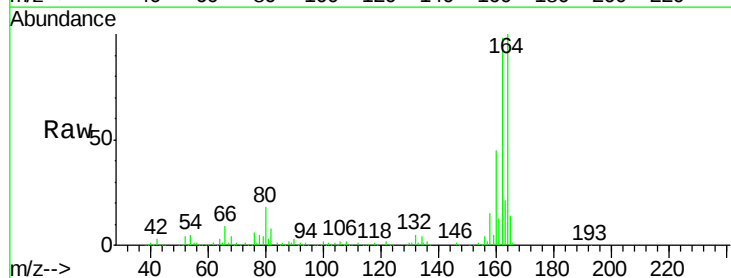
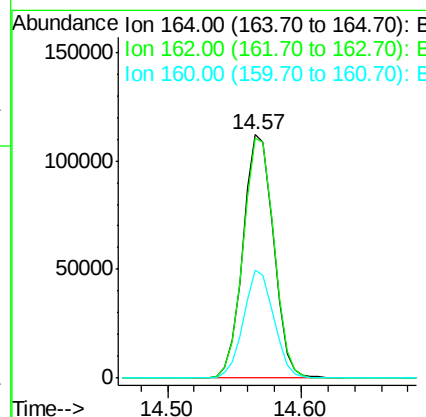
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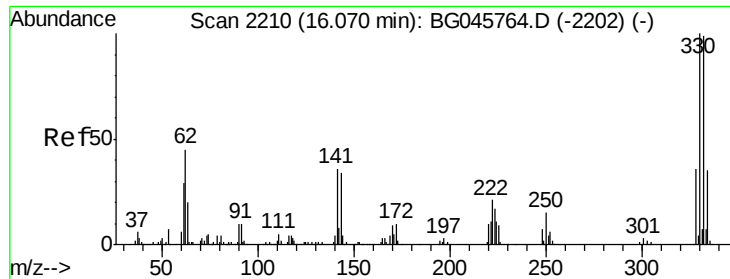
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.57 min Scan# 1954
Delta R.T. -0.00 min
Lab File: BG045787.D
Acq: 17 Jun 2020 12:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.3	77.4	116.0
160	44.6	33.3	49.9





#42

2,4,6-Tribromophenol

Concen: 0.521 ng

RT: 16.07 min Scan# 2210

Delta R.T. -0.00 min

Lab File: BG045787.D

Acq: 17 Jun 2020 12:44

Instrument :

BNA_G

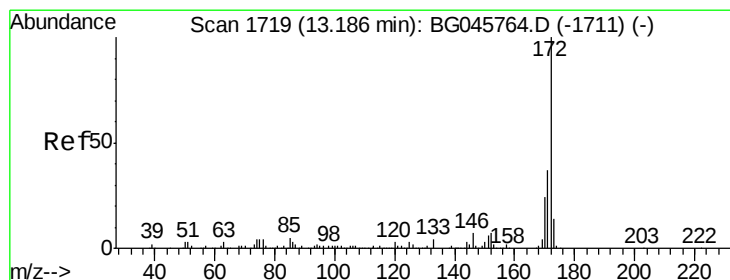
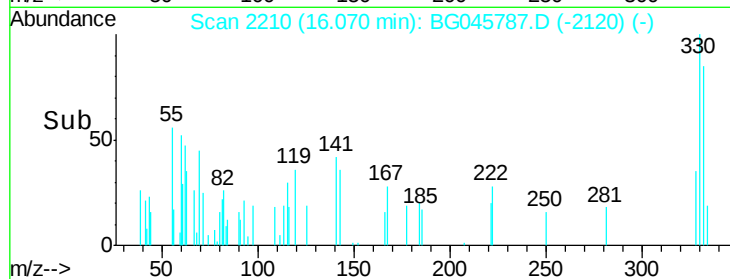
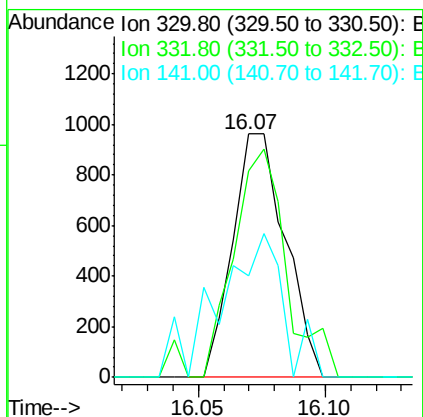
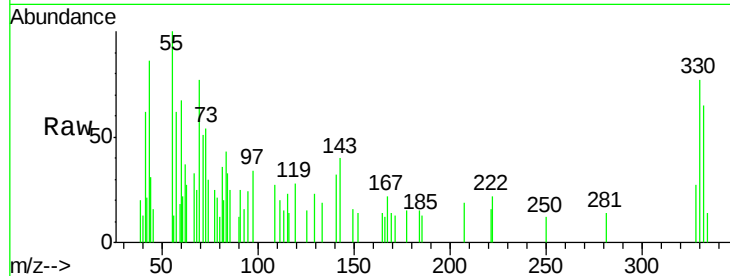
ClientSampleId :

RL-356-RL-212RE

Tot Ion:	330	Resp:	1394
Ion Ratio	Lower	Upper	
330	100		
332	93.5	78.6	117.8
141	73.0	28.2	42.4#

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#45

2-Fluorobiphenyl

Concen: 29.371 ng

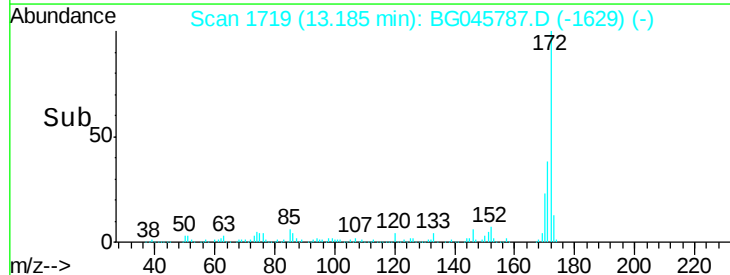
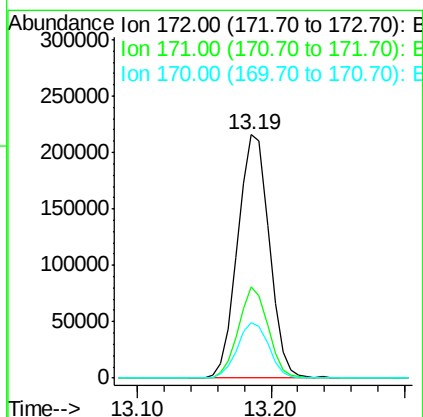
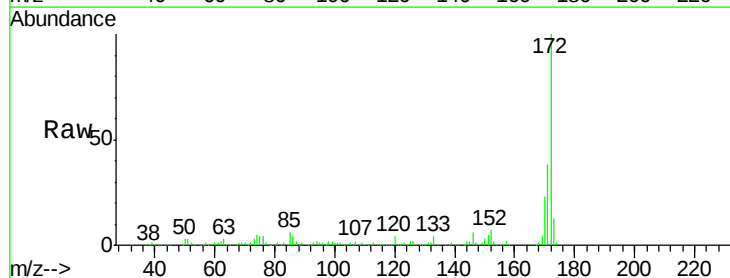
RT: 13.19 min Scan# 1719

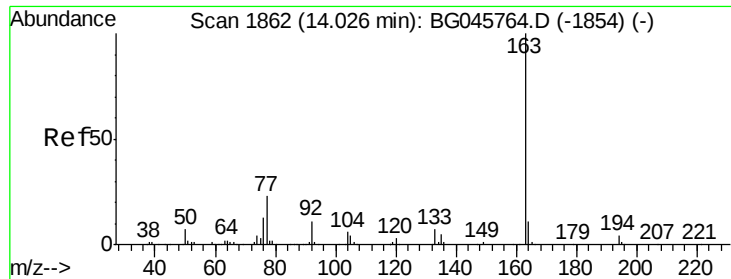
Delta R.T. -0.00 min

Lab File: BG045787.D

Acq: 17 Jun 2020 12:44

Tgt Ion:	172	Resp:	353926
Ion Ratio	Lower	Upper	
172	100		
171	37.6	29.9	44.9
170	22.7	19.3	28.9





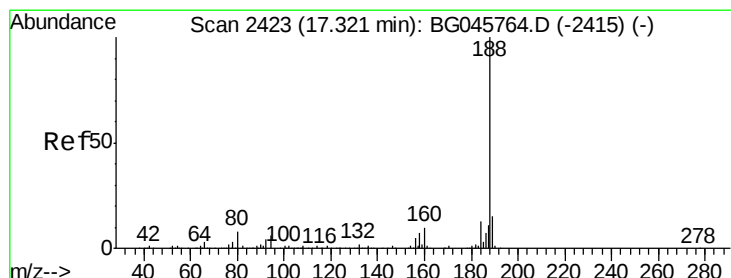
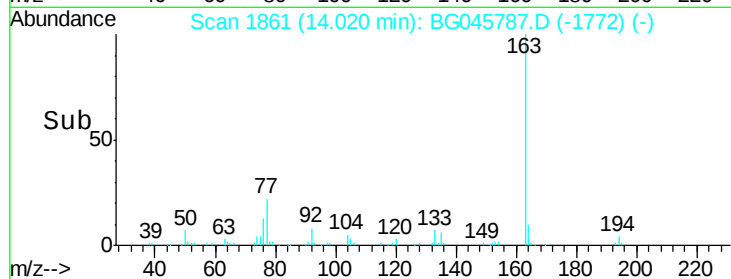
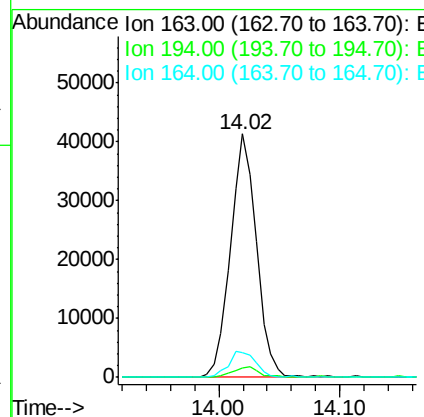
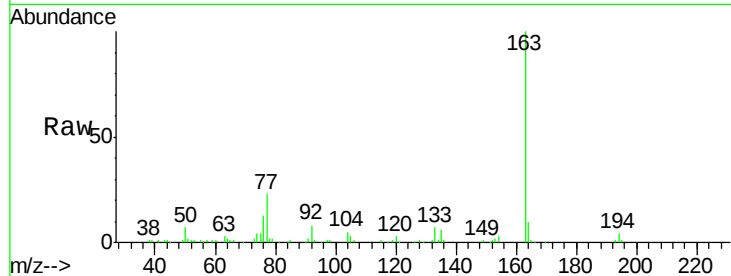
#50
Dimethylphthalate
Concen: 4.454 ng
RT: 14.02 min Scan# 1861
Delta R.T. -0.01 min
Lab File: BG045787.D
Acq: 17 Jun 2020 12:44

Instrument :
BNA_G
ClientSampleId :
RL-356-RL-212RE

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.4	5.0
164	10.1	8.9	13.3

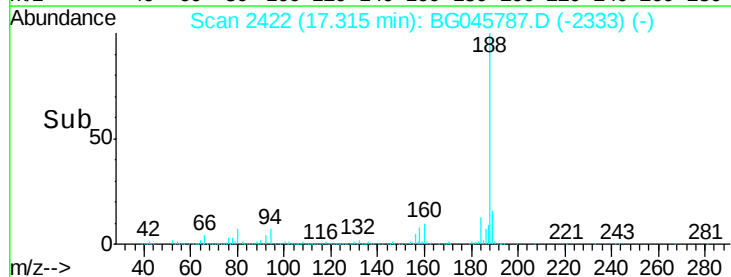
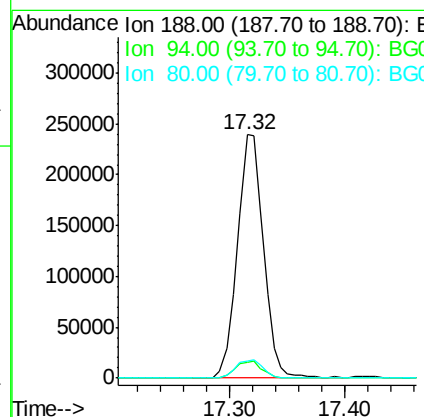
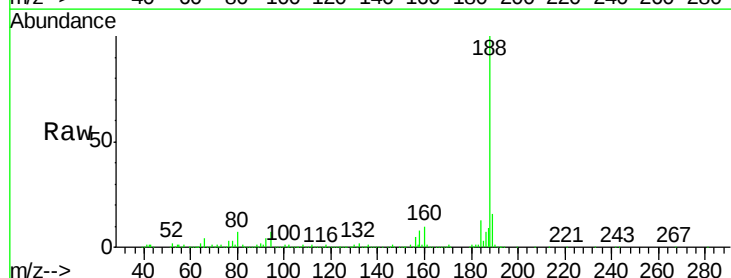
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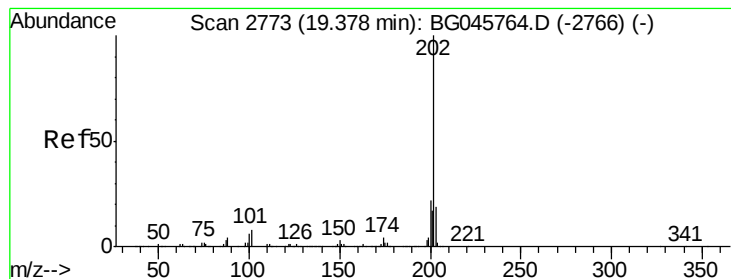
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.32 min Scan# 2422
Delta R.T. -0.01 min
Lab File: BG045787.D
Acq: 17 Jun 2020 12:44

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.7	5.1	7.7
80	7.2	6.2	9.4





#75

Fluoranthene

Concen: 7.662 ng

RT: 19.37 min Scan# 2772

Delta R.T. -0.01 min

Lab File: BG045787.D

Acq: 17 Jun 2020 12:44

Instrument :

BNA_G

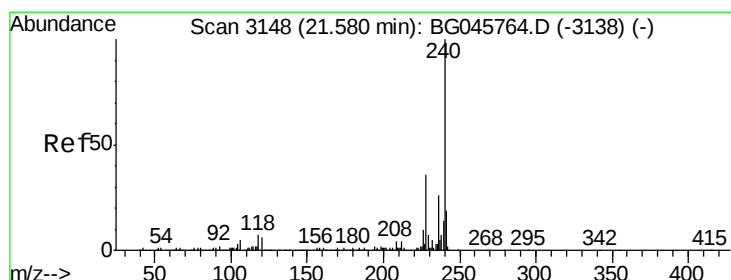
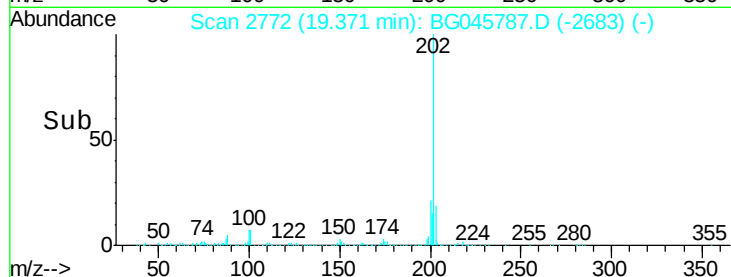
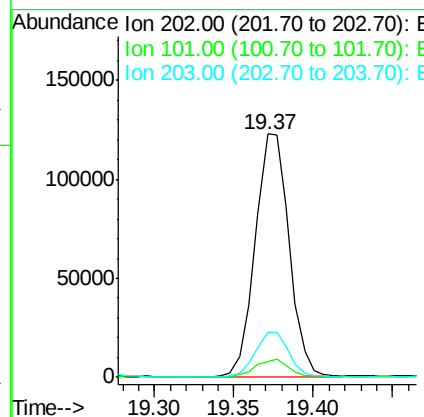
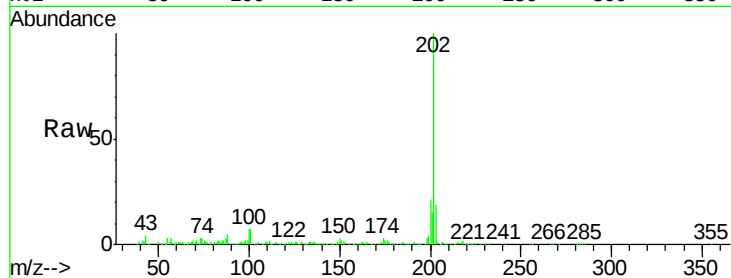
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Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	6.7	0.0	27.7
203	18.6	0.0	38.7

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#76

Chrysene-d12

Concen: 20.000 ng

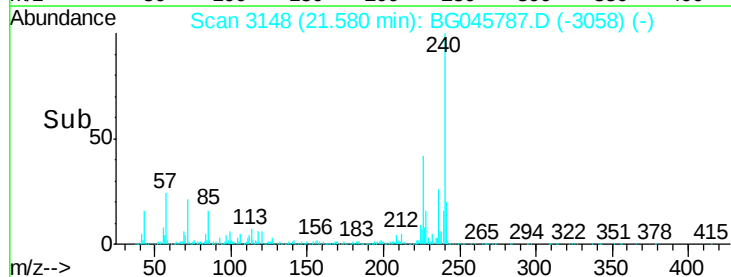
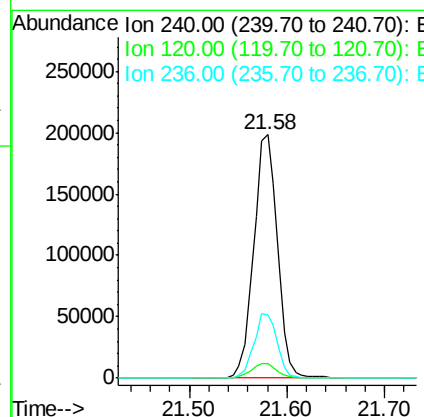
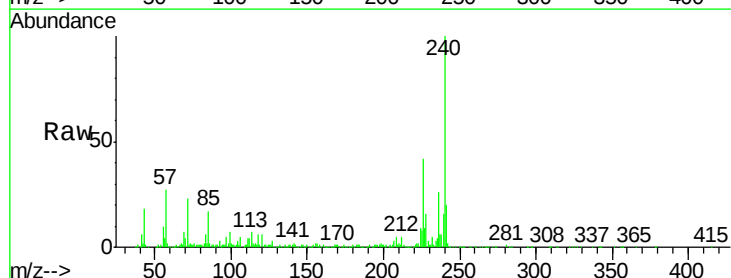
RT: 21.58 min Scan# 3148

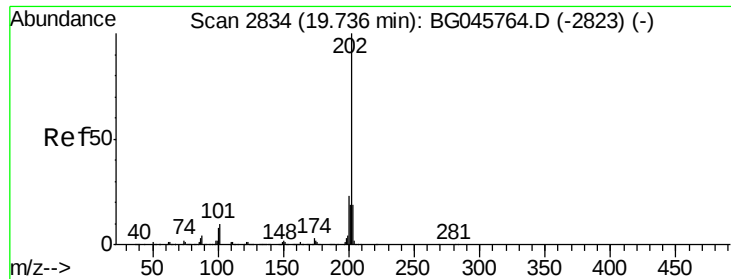
Delta R.T. -0.00 min

Lab File: BG045787.D

Acq: 17 Jun 2020 12:44

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	6.2	5.0	7.4
236	25.8	20.6	30.8





#78

Pvrene

Concen: 15.197 ng

RT: 19.74 min Scan# 2834

Delta R.T. -0.00 min

Lab File: BG045787.D

Acq: 17 Jun 2020 12:44

Instrument :

BNA_G

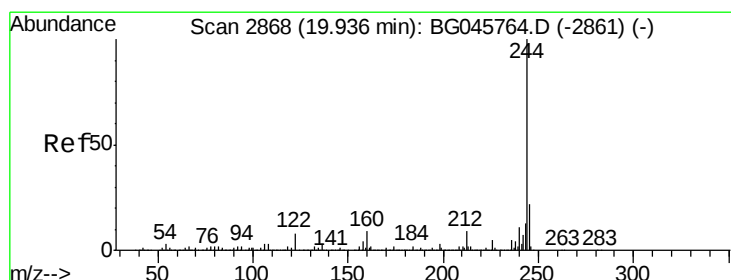
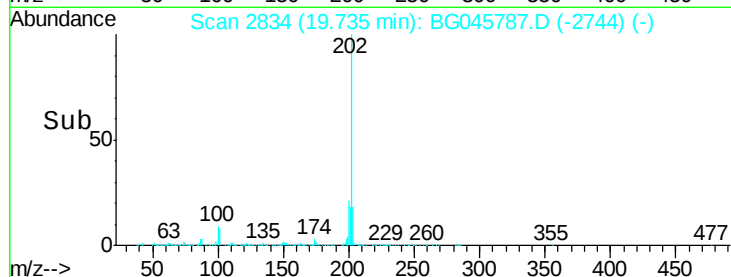
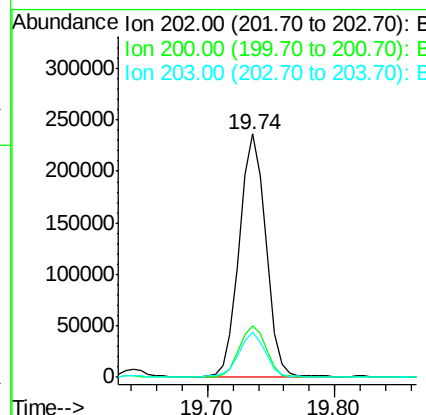
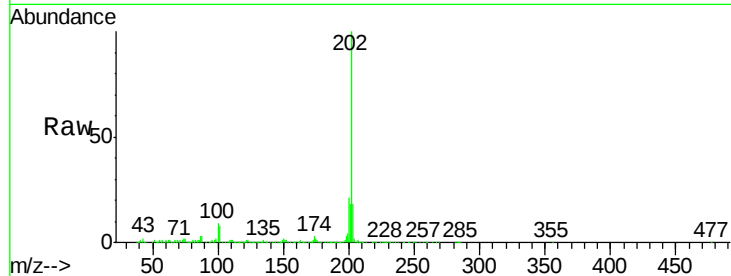
ClientSampleId :

RL-356-RL-212RE

Tot Ion:	202	Resp:	341058
Ion Ratio	Lower	Upper	
202	100		
200	21.4	18.2	27.2
203	18.5	14.8	22.2

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#79

Terphenyl-d14

Concen: 31.737 ng

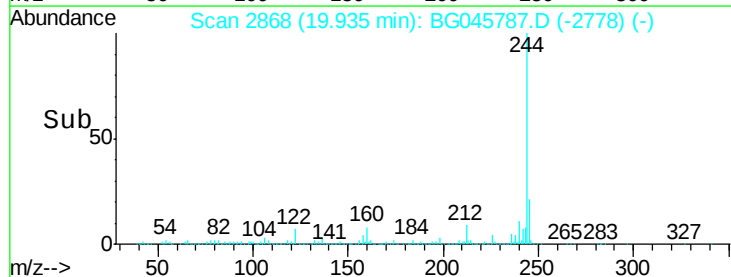
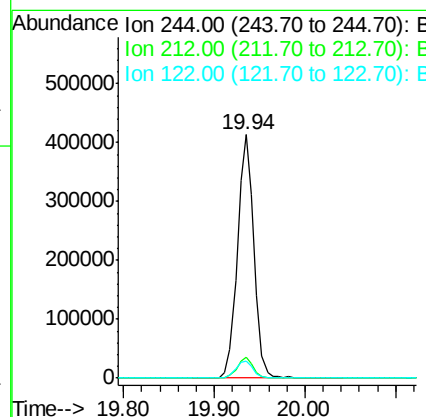
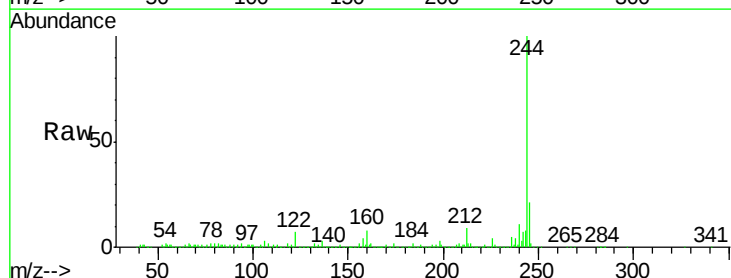
RT: 19.94 min Scan# 2868

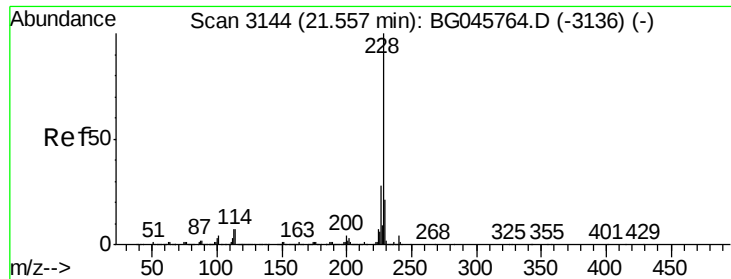
Delta R.T. -0.00 min

Lab File: BG045787.D

Acq: 17 Jun 2020 12:44

Tgt Ion:	244	Resp:	524845
Ion Ratio	Lower	Upper	
244	100		
212	8.7	7.2	10.8
122	6.9	6.4	9.6





#81

Benzo(a)anthracene

Concen: 10.486 ng

RT: 21.56 min Scan# 3145

Delta R.T. 0.01 min

Lab File: BG045787.D

Acq: 17 Jun 2020 12:44

Instrument :

BNA_G

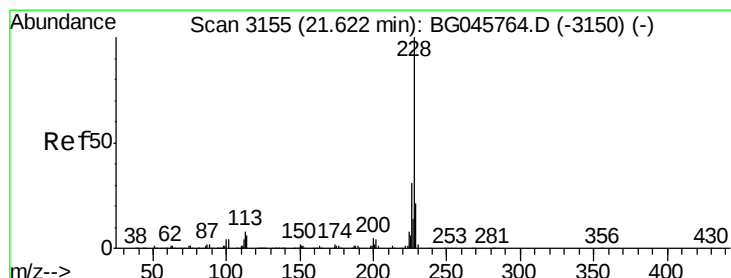
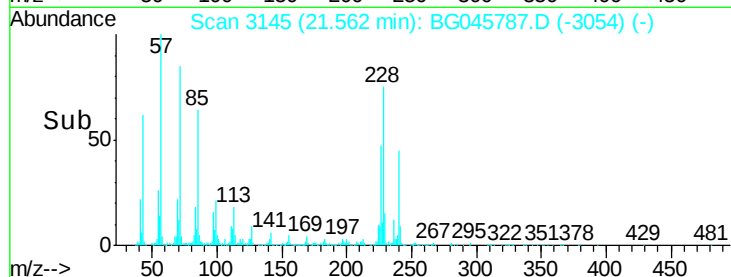
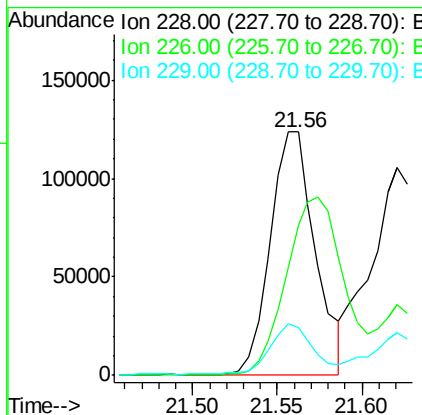
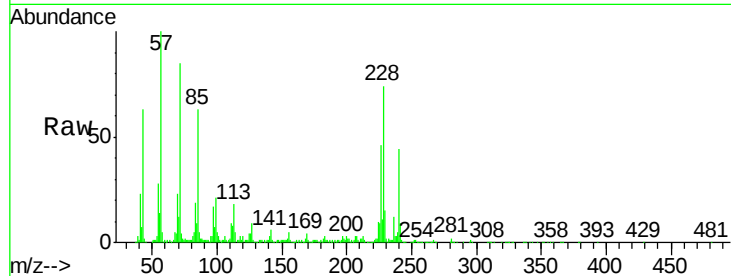
ClientSampleId :

RL-356-RL-212RE

Tot Ion:	228	Resp:	227859
Ion Ratio	Lower	Upper	
228	100		
226	61.8	22.7	34.1#
229	19.7	16.6	24.8

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#83

Chrysene

Concen: 10.000 ng

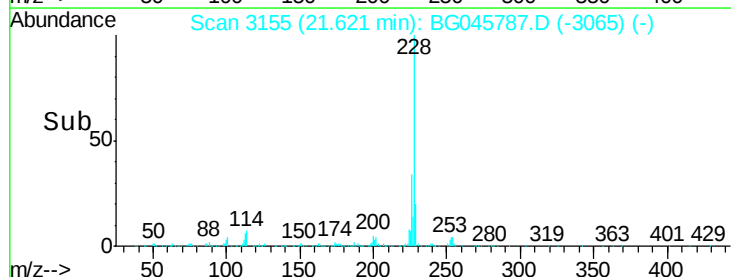
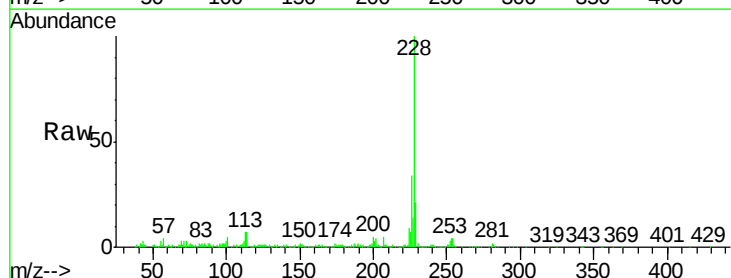
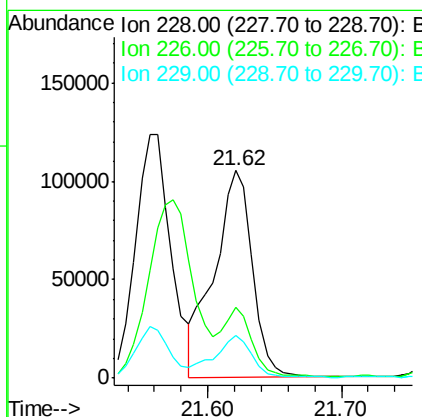
RT: 21.62 min Scan# 3155

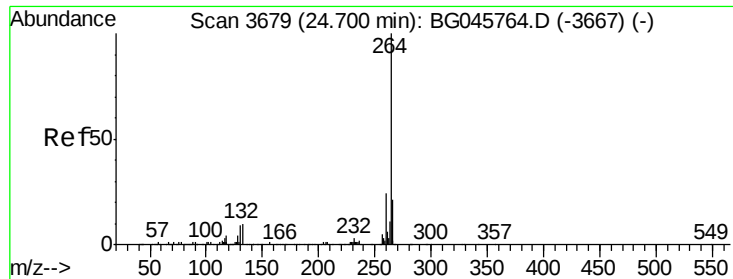
Delta R.T. -0.00 min

Lab File: BG045787.D

Acq: 17 Jun 2020 12:44

Tgt Ion:	228	Resp:	210173
Ion Ratio	Lower	Upper	
228	100		
226	34.1	25.1	37.7
229	20.5	16.4	24.6





#86

Pervlene-d12

Concen: 20.000 ng

RT: 24.71 min Scan# 3681

Delta R.T. 0.01 min

Lab File: BG045787.D

Acq: 17 Jun 2020 12:44

Instrument :

BNA_G

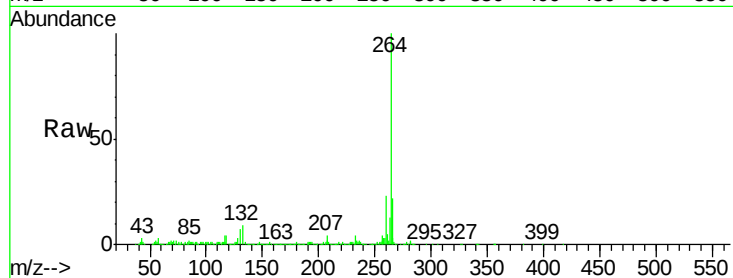
ClientSampleId :

RL-356-RL-212RE

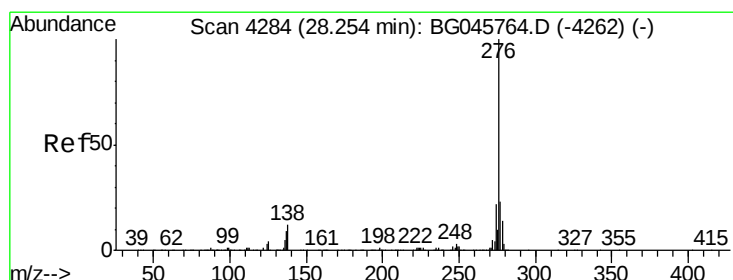
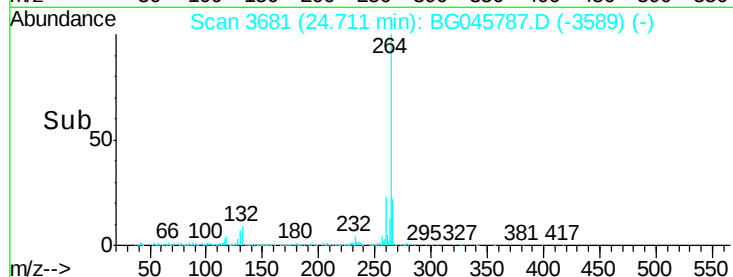
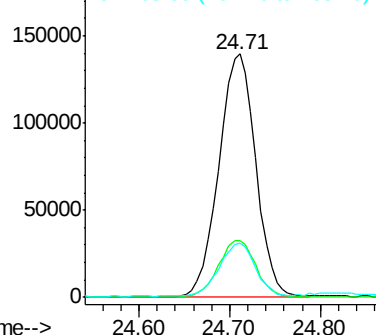
Tot Ion:	264	Resp:	395132
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.0	28.4
265	22.5	17.4	26.0

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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



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.864 ng

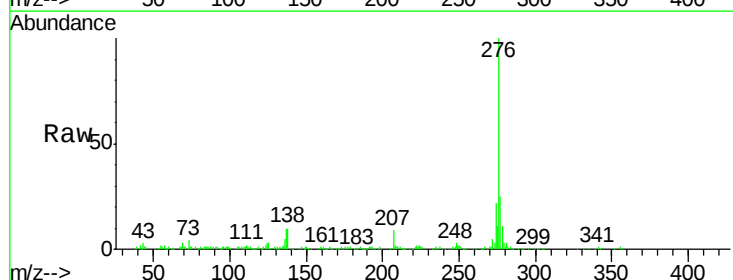
RT: 28.26 min Scan# 4285

Delta R.T. 0.01 min

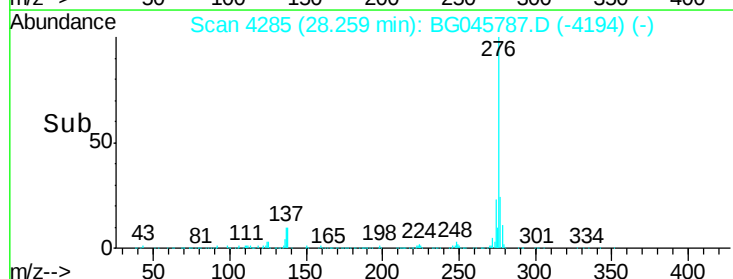
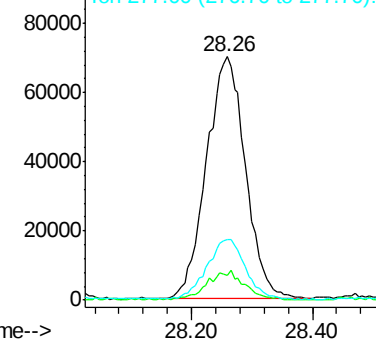
Lab File: BG045787.D

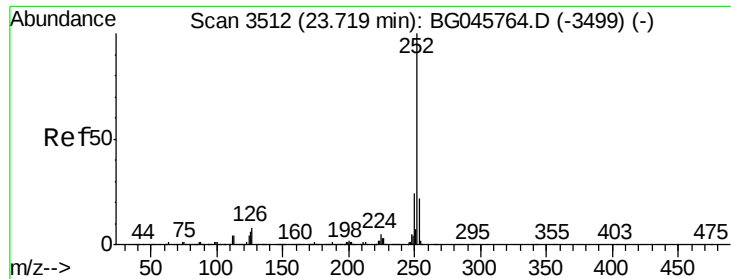
Acq: 17 Jun 2020 12:44

Tgt Ion:	276	Resp:	311191
Ion Ratio	Lower	Upper	
276	100		
138	12.0	5.4	8.0#
277	24.9	20.6	30.8



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





#88

Benzo(b)fluoranthene

Concen: 16.050 ng m

RT: 23.72 min Scan# 3513

Delta R.T. 0.01 min

Lab File: BG045787.D

Acq: 17 Jun 2020 12:44

Instrument :

BNA_G

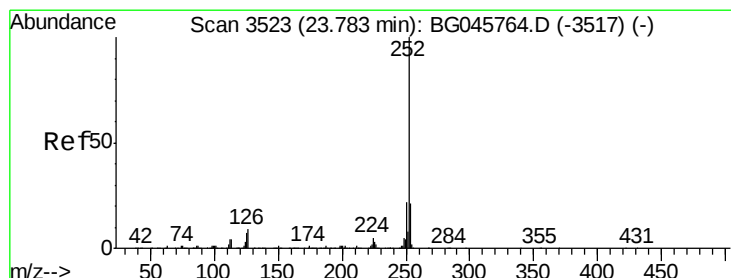
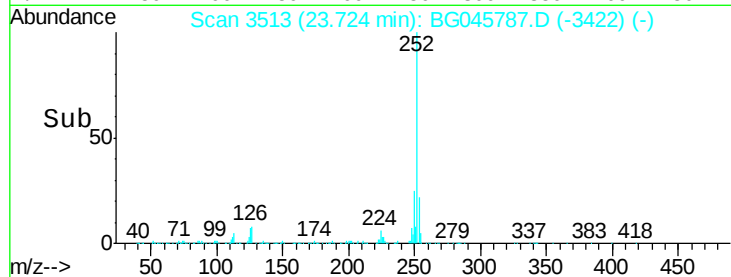
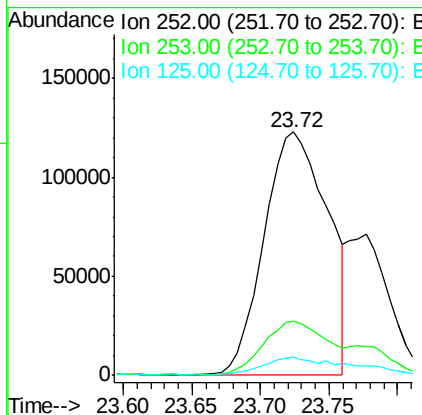
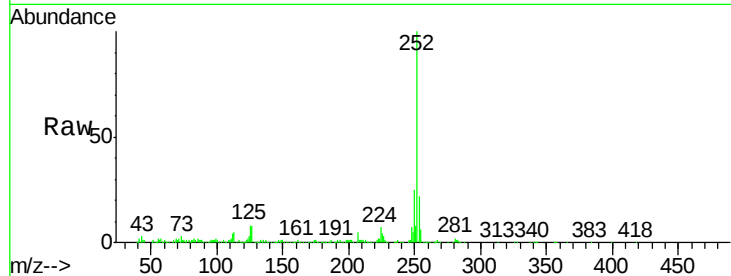
ClientSampleId :

RL-356-RL-212RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	7.6	5.0	7.4

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#89

Benzo(k)fluoranthene

Concen: 6.260 ng m

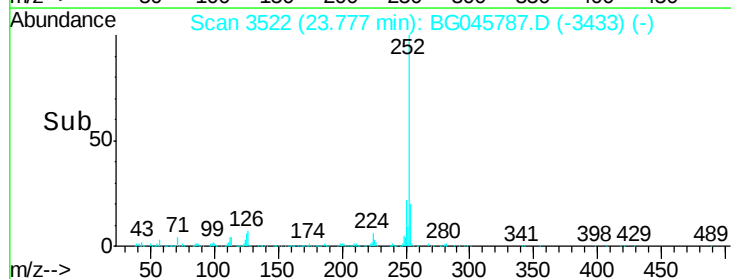
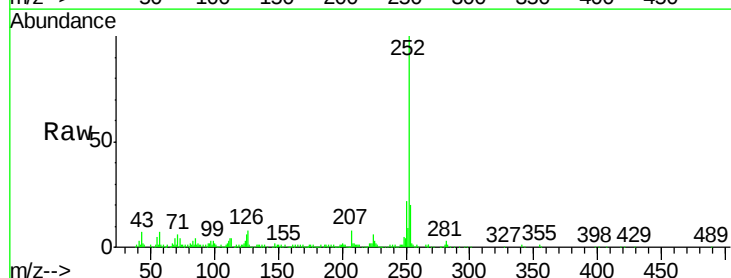
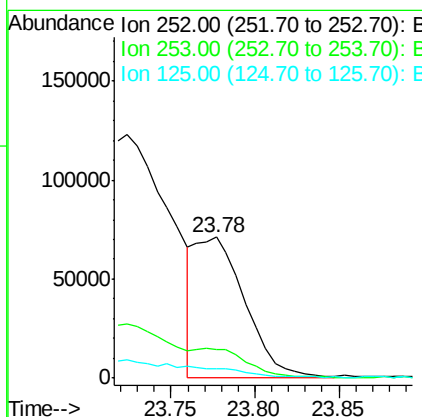
RT: 23.78 min Scan# 3522

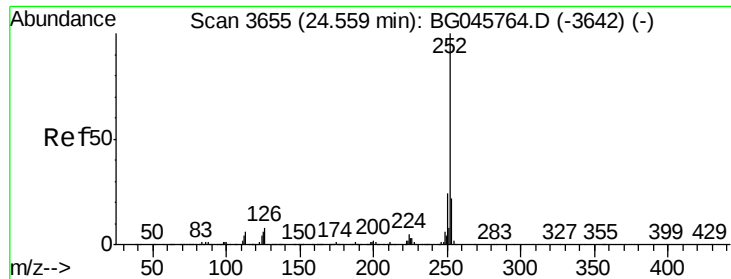
Delta R.T. -0.01 min

Lab File: BG045787.D

Acq: 17 Jun 2020 12:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.4	17.2	25.8
125	6.5	5.2	7.8





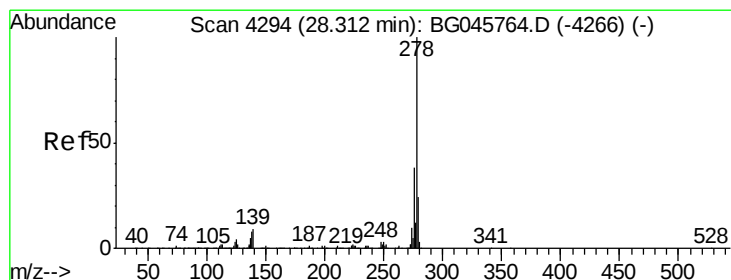
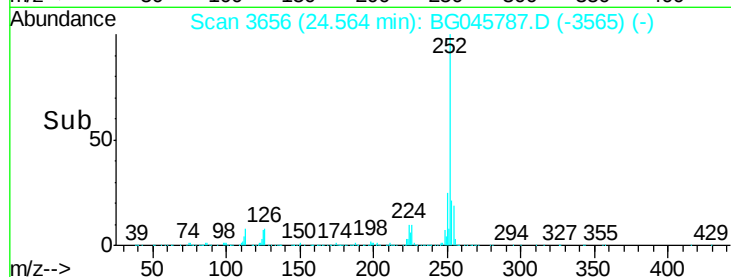
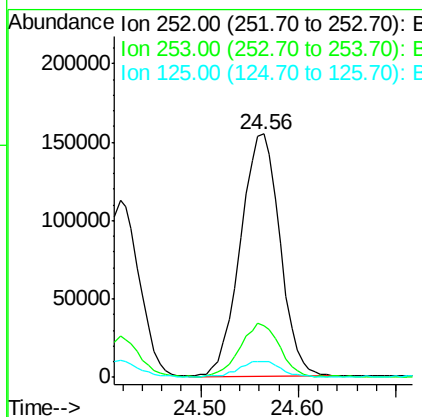
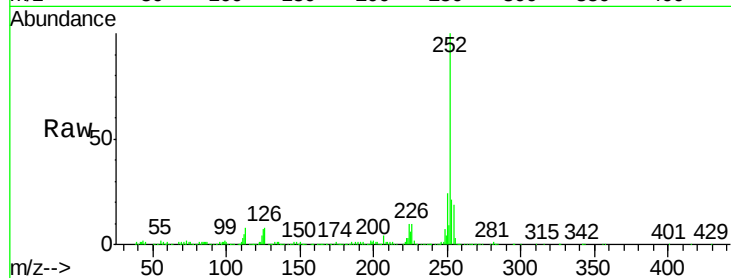
#90
Benzo(a)pyrene
Concen: 18.814 ng
RT: 24.56 min Scan# 3656
Delta R.T. 0.01 min
Lab File: BG045787.D
Acq: 17 Jun 2020 12:44

Instrument :
BNA_G
ClientSampleId :
RL-356-RL-212RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.0	27.0
125	6.6	5.0	7.6

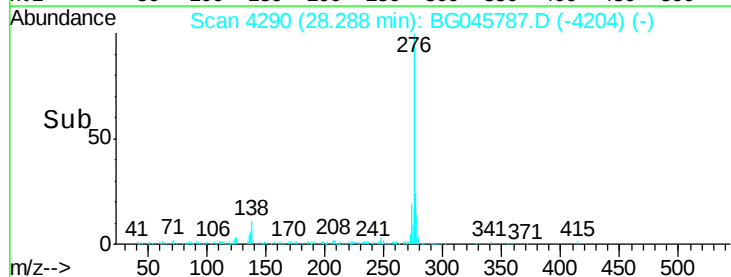
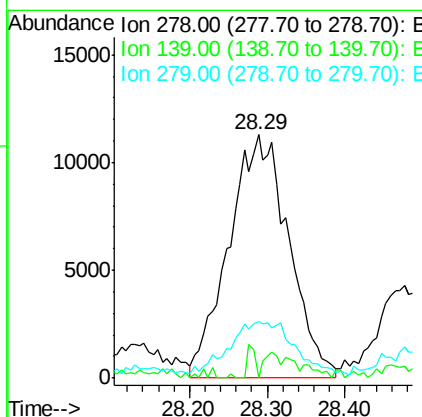
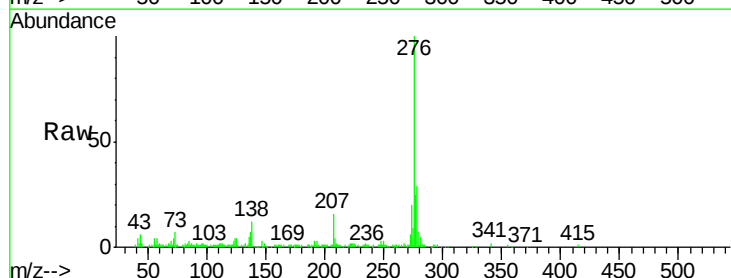
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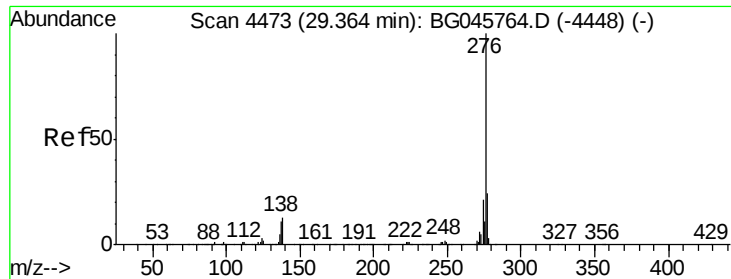
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#91
Dibenzo(a,h)anthracene
Concen: 2.634 ng m
RT: 28.29 min Scan# 4290
Delta R.T. -0.02 min
Lab File: BG045787.D
Acq: 17 Jun 2020 12:44

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	7.3	10.9#
279	23.0	19.5	29.3





#92
 Benzo(a,h,i)perylene
 Concen: 18.177 ng
 RT: 29.36 min Scan# 4473
 Delta R.T. -0.00 min
 Lab File: BG045787.D
 Acq: 17 Jun 2020 12:44

Instrument :
 BNA_G
 ClientSampleId :
 RL-356-RL-212RE

Tot Ion:	276	Resp:	417916
Ion Ratio		Lower	Upper
276	100		
277	23.5	19.2	28.8
138	13.3	10.6	15.8

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