

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050620\
 Data File : BG045260.D
 Acq On : 6 May 2020 19:39
 Operator : CG/JU
 Sample : L2515-02 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 2

Instrument :
 BNA_G
 ClientSampleId :
 TP-18A

Manual Integrations
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Sohil
 5/8/2020 5:20:30 PM

Quant Time: May 07 02:08:55 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 06 12:59:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.98	152	127868	40.00	ng	0.00
21) Naphthalene-d8	10.79	136	509789	40.00	ng	0.00
39) Acenaphthene-d10	14.62	164	356202	40.00	ng	0.00
64) Phenanthrene-d10	17.37	188	768925	40.00	ng	0.00
76) Chrysene-d12	21.64	240	682128	40.00	ng	0.00
87) Perylene-d12	24.82	264	721248	40.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	50661	13.08	ng	0.00
7) Phenol-d6	7.15	99	72972	12.68	ng	0.00
23) Nitrobenzene-d5	9.14	82	48968	8.77	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	33333	12.11	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	122480	10.08	ng	0.00
79) Terphenyl-d14	19.99	244	190563	12.18	ng	0.00
Target Compounds						
31) Naphthalene	10.84	128	82075	5.886	ng	Qvalue 97
37) 2-Methylnaphthalene	12.45	142	30386	2.808	ng	90
38) 1-Methylnaphthalene	12.67	142	20559	2.012	ng	# 92
55) Dibenzofuran	15.02	168	39644	2.385	ng	# 98
58) Fluorene	15.68	166	51895	3.823	ng	# 93
71) Phenanthrene	17.41	178	171985	8.705	ng	98
72) Anthracene	17.51	178	45967	2.319	ng	95
78) Pyrene	19.79	202	169710	7.218	ng	95
81) Benzo(a)anthracene	21.62	228	116674	5.278	ng	99
83) Chrysene	21.69	228	112519m	5.298	ng	
86) Indeno(1,2,3-cd)pyrene	28.41	276	105845	3.753	ng	# 76
88) Benzo(b)fluoranthene	23.81	252	193078	8.547	ng	99
90) Benzo(a)pyrene	24.66	252	121902	5.716	ng	98
92) Benzo(a,h,i)perylene	29.52	276	109138	5.065	ng	93

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

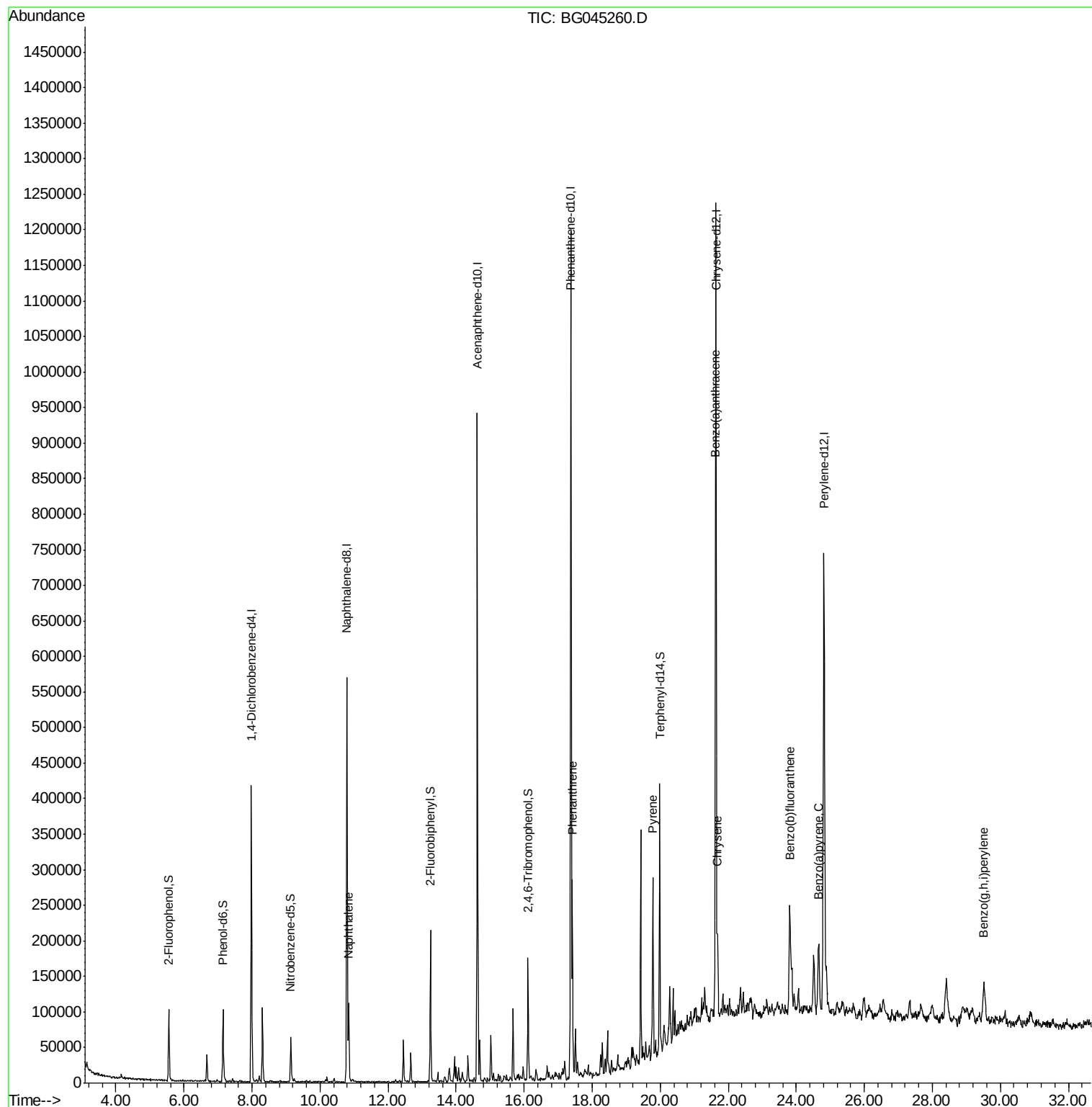
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050620\
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Operator : CG/JU
Sample : L2515-02 10X
Misc :
ALS Vial : 13 Sample Multiplier: 2

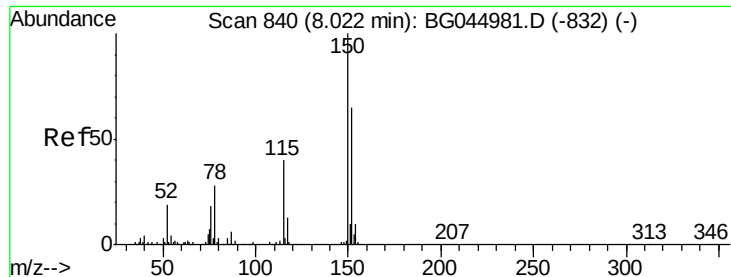
Instrument :
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TP-18A

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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

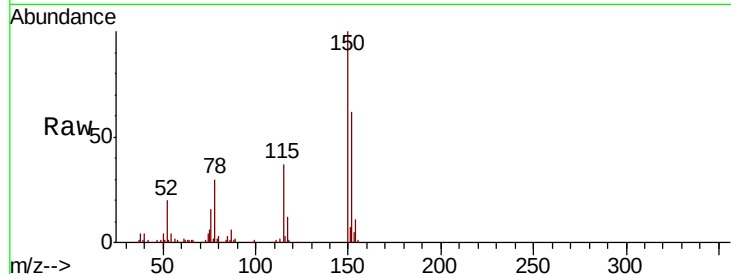
1,4-Dichlorobenzene-d4
Concen: 40.000 ng
RT: 7.98 min Scan# 833
Delta R.T. -0.00 min
Lab File: BG045260.D
Acq: 6 May 2020 19:39

Instrument :
BNA_G
ClientSampled :
TP-18A

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.0	123.6	185.4
115	58.8	49.1	73.7

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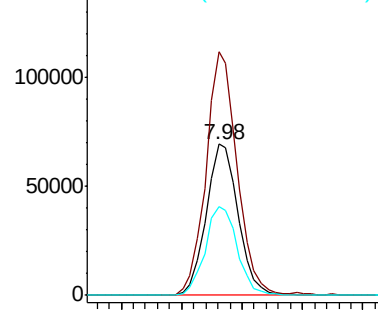


Abundance

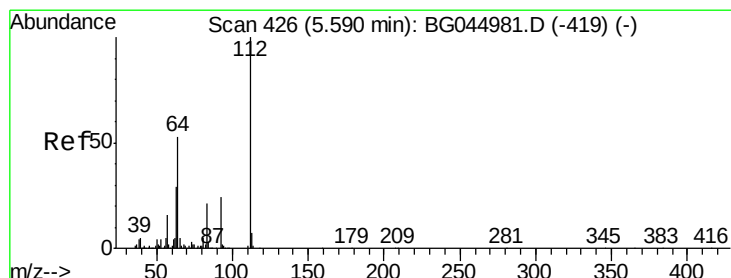
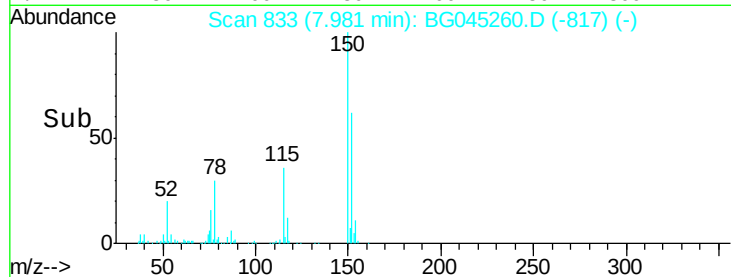
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



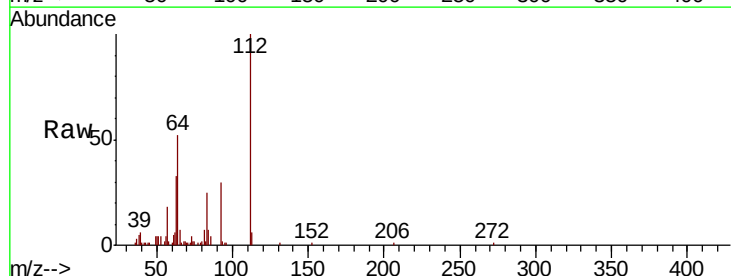
Time-->



#5

2-Fluorophenol
Concen: 13.082 ng
RT: 5.55 min Scan# 420
Delta R.T. 0.00 min
Lab File: BG045260.D
Acq: 6 May 2020 19:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.5	42.4	63.6
63	32.9	23.1	34.7

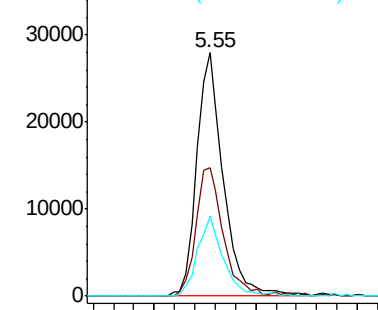


Abundance

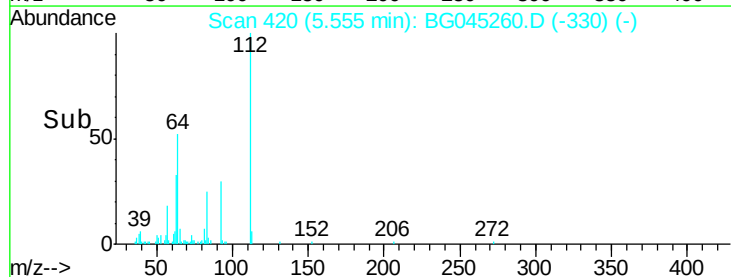
Ion 112.00 (111.70 to 112.70): E

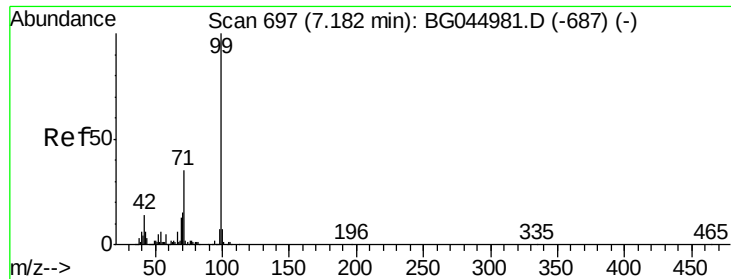
Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG



Time-->





#7

Phenol-d6

Concen: 12.683 ng

RT: 7.15 min Scan# 691

Delta R.T. -0.00 min

Lab File: BG045260.D

Acq: 6 May 2020 19:39

Instrument :

BNA_G

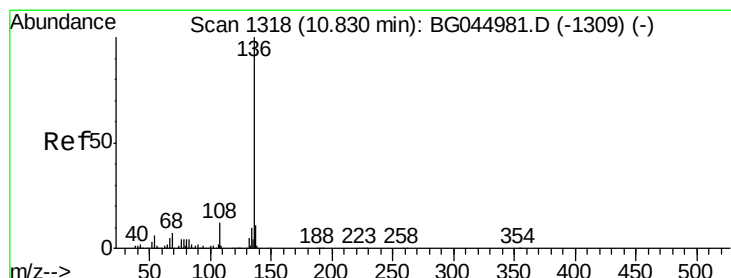
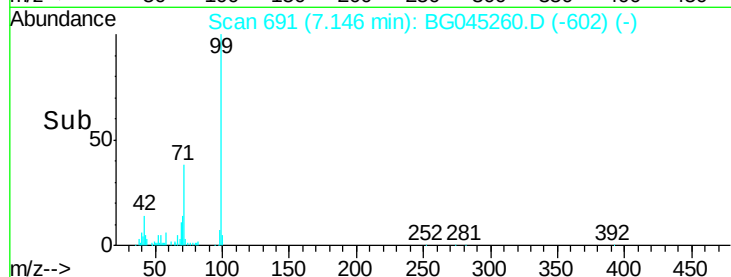
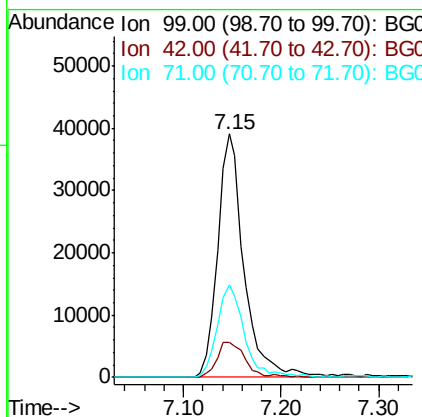
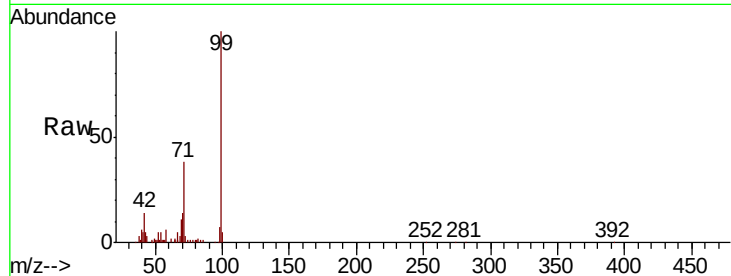
ClientSampled :

TP-18A

Tot Ion:	99	Resp:	72972
Ion	Ratio	Lower	Upper
99	100		
42	14.3	11.3	16.9
71	38.0	28.3	42.5

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#21

Naphthalene-d8

Concen: 40.000 ng

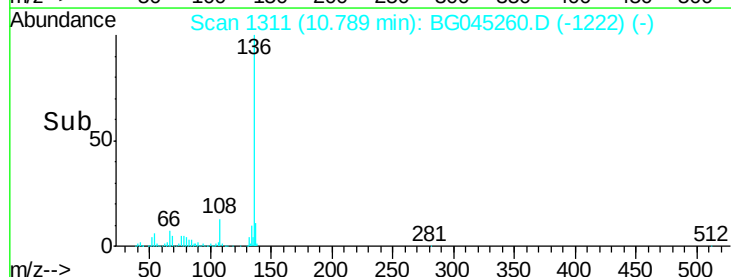
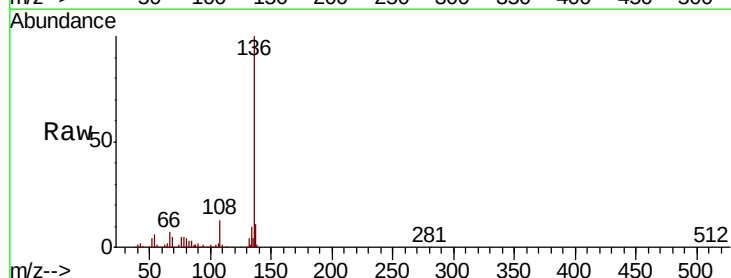
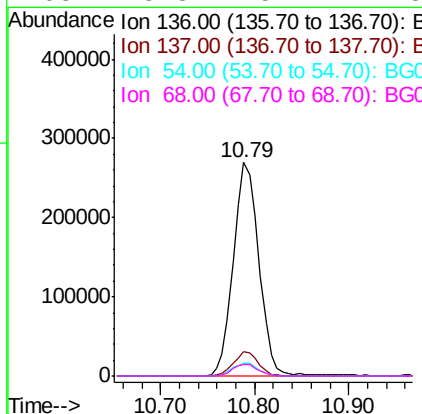
RT: 10.79 min Scan# 1311

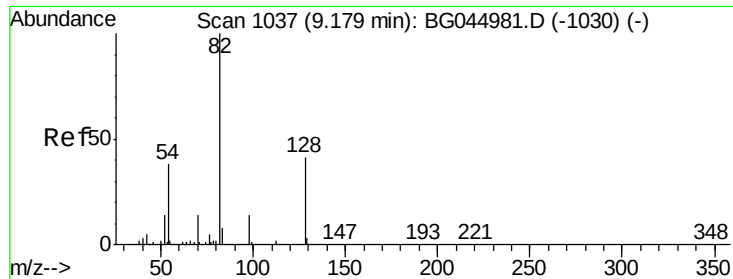
Delta R.T. -0.00 min

Lab File: BG045260.D

Acq: 6 May 2020 19:39

Tgt Ion:	136	Resp:	509789
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	6.3	4.8	7.2
68	5.3	5.2	7.8





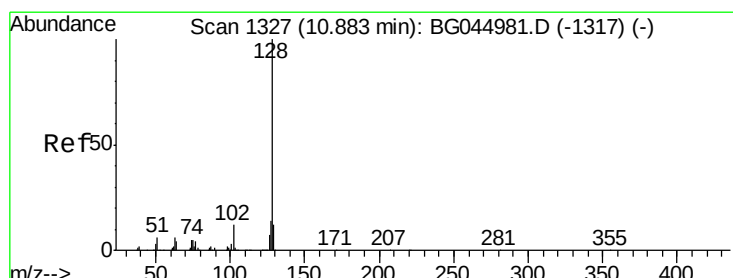
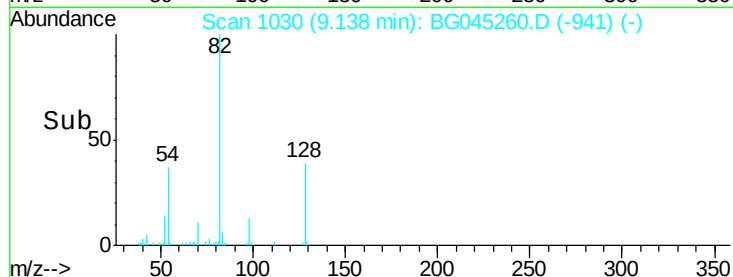
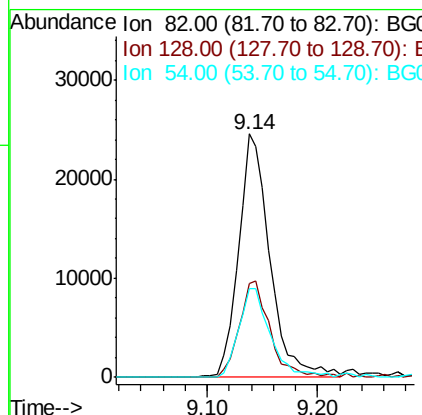
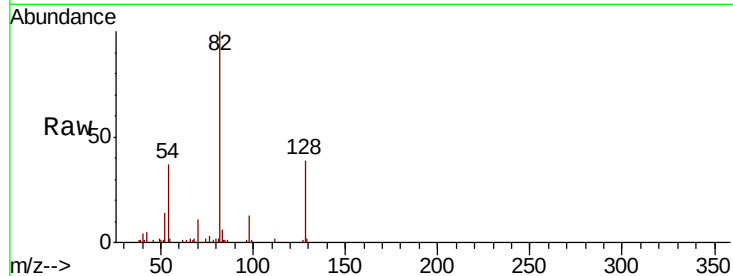
#23
Nitrobenzene-d5
Concen: 8.766 ng
RT: 9.14 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BG045260.D
Acq: 6 May 2020 19:39

Instrument :
BNA_G
ClientSampled :
TP-18A

Tot Ion	82	Resp	48968
Ion Ratio	Lower	Upper	
82	100		
128	38.7	33.0	49.4
54	36.6	30.4	45.6

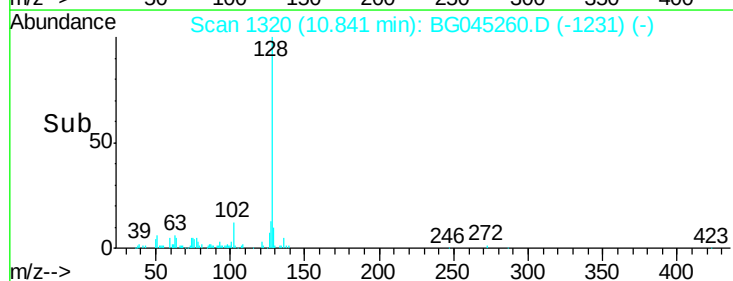
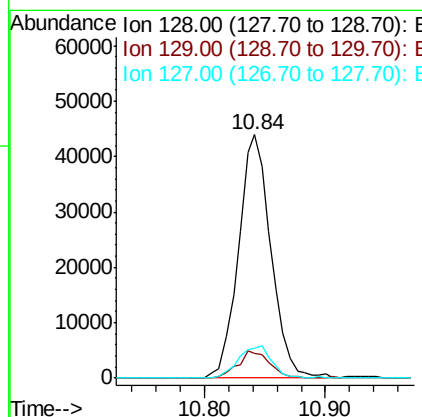
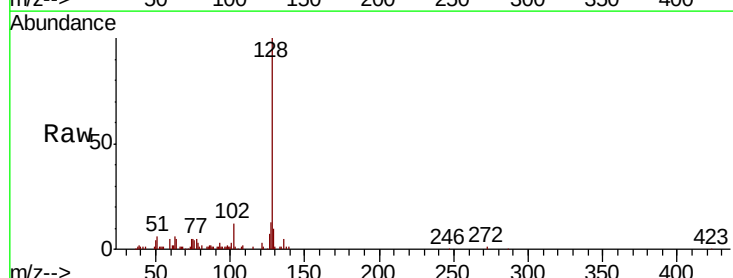
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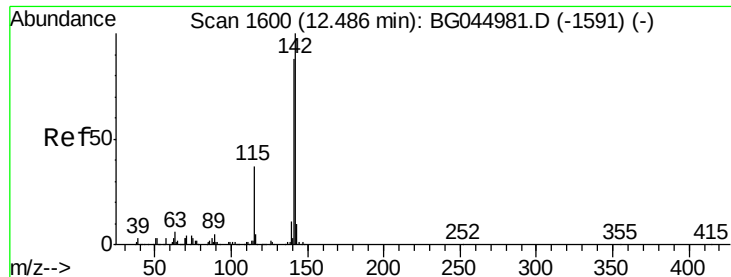
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#31
Naphthalene
Concen: 5.886 ng
RT: 10.84 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BG045260.D
Acq: 6 May 2020 19:39

Tgt Ion	128	Resp	82075
Ion Ratio	Lower	Upper	
128	100		
129	10.2	9.4	14.2
127	12.5	10.8	16.2





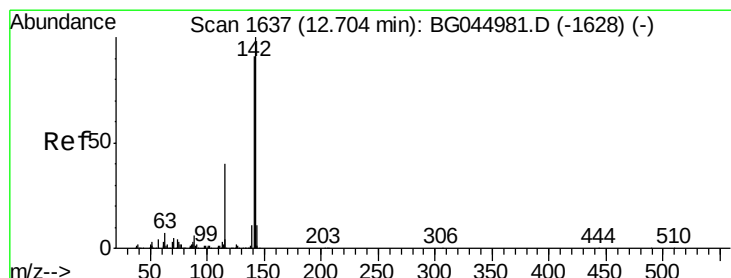
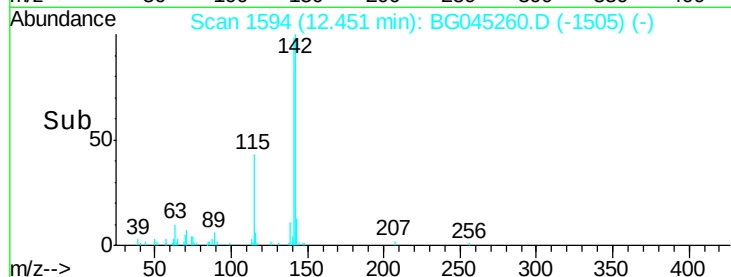
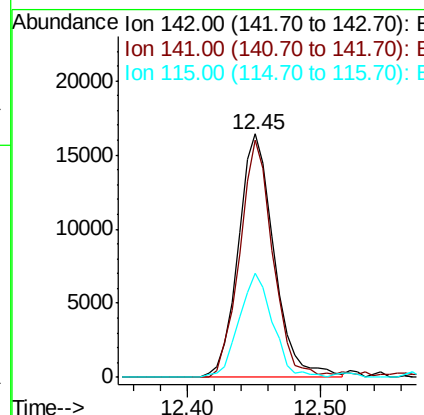
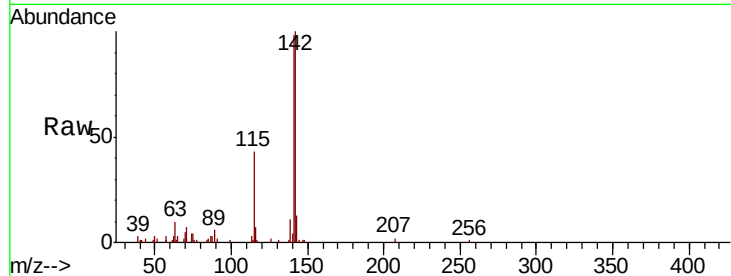
#37
2-Methylnaphthalene
Concen: 2.808 ng
RT: 12.45 min Scan# 1594
Delta R.T. -0.00 min
Lab File: BG045260.D
Acq: 6 May 2020 19:39

Instrument :
BNA_G
ClientSampleId :
TP-18A

Tot Ion	Ratio	Lower	Upper
142	100		
141	97.6	70.3	105.5
115	42.7	29.8	44.6

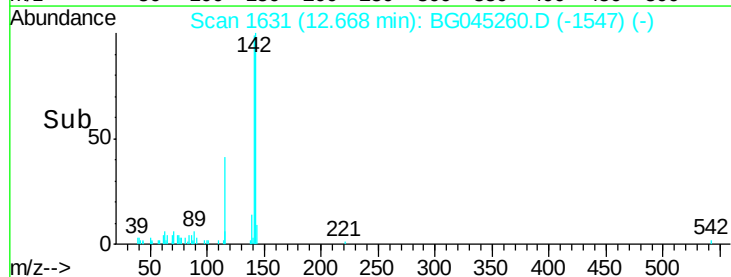
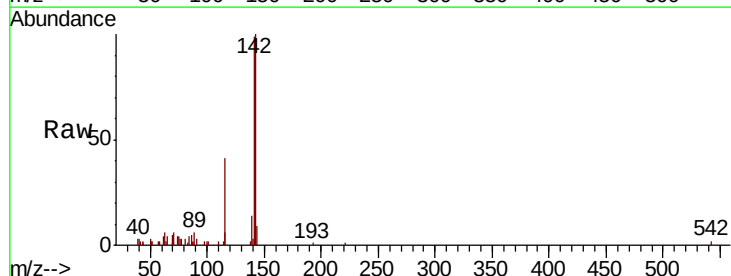
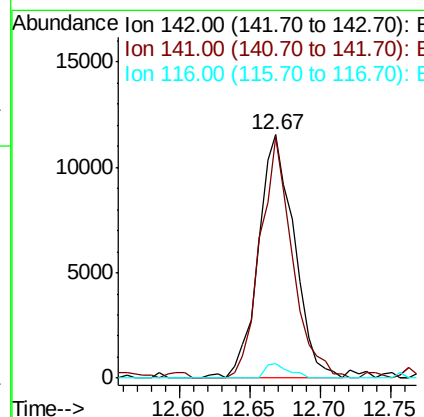
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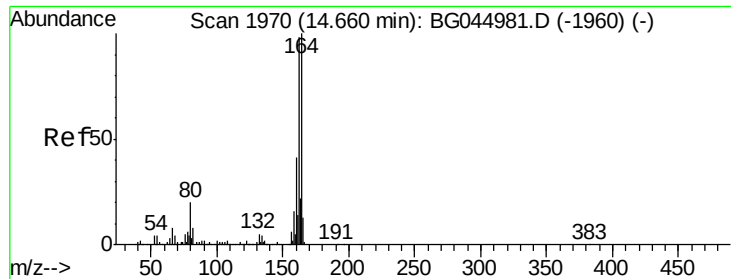
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#38
1-Methylnaphthalene
Concen: 2.012 ng
RT: 12.67 min Scan# 1631
Delta R.T. -0.00 min
Lab File: BG045260.D
Acq: 6 May 2020 19:39

Tgt Ion	Ratio	Lower	Upper
142	100		
141	98.9	72.7	109.1
116	5.7	3.1	4.7#





#39

Acenaphthene-d10

Concen: 40.000 ng

RT: 14.62 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BG045260.D

Acq: 6 May 2020 19:39

Instrument :

BNA_G

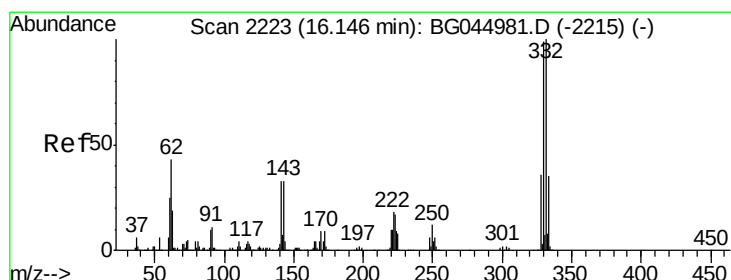
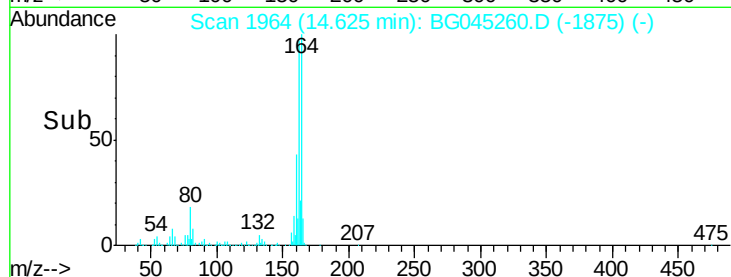
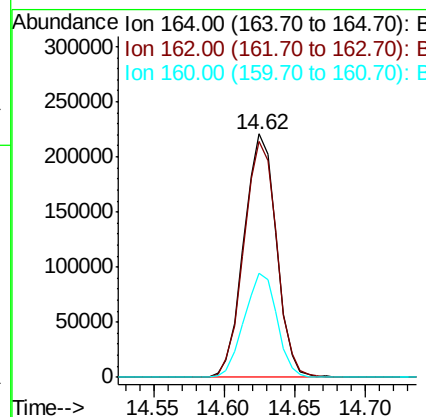
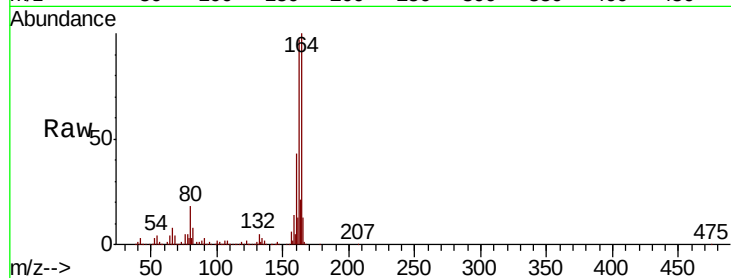
ClientSampleId :

TP-18A

Tot Ion:	164	Resp:	356202
Ion Ratio	Lower	Upper	
164	100		
162	97.1	78.7	118.1
160	42.7	32.8	49.2

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#42

2,4,6-Tribromophenol

Concen: 12.115 ng

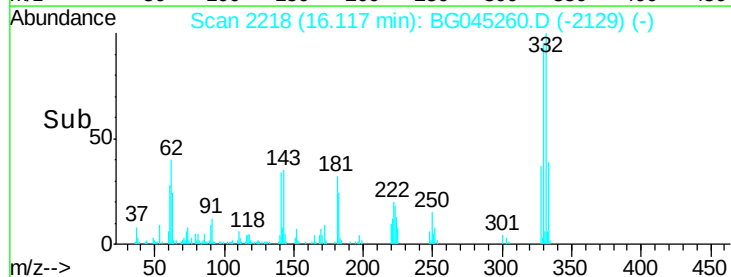
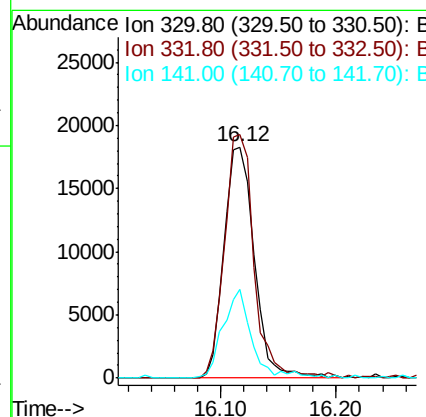
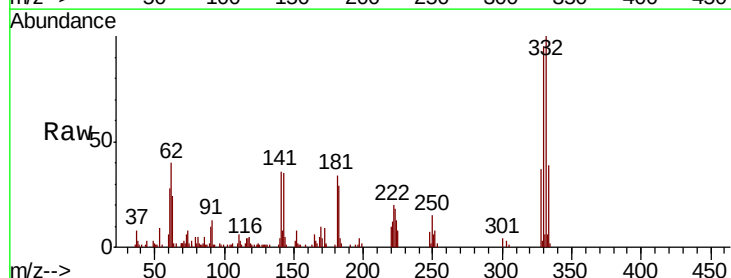
RT: 16.12 min Scan# 2218

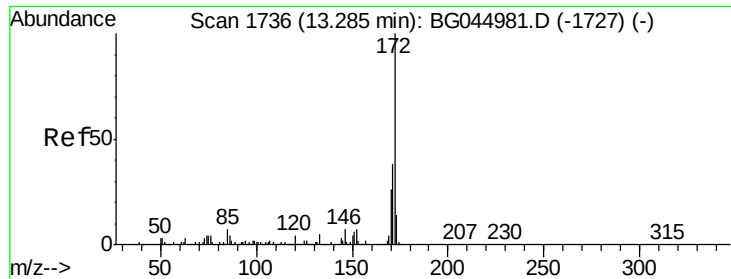
Delta R.T. -0.00 min

Lab File: BG045260.D

Acq: 6 May 2020 19:39

Tgt Ion:	330	Resp:	33333
Ion Ratio	Lower	Upper	
330	100		
332	102.2	79.1	118.7
141	36.7	27.1	40.7





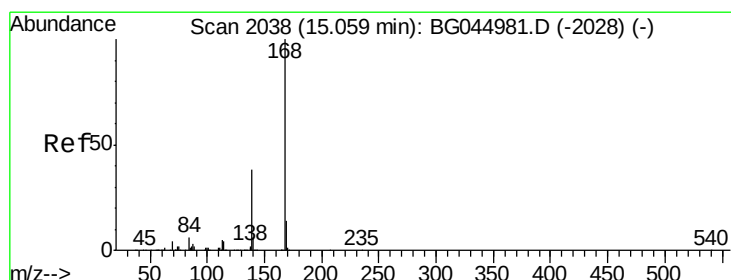
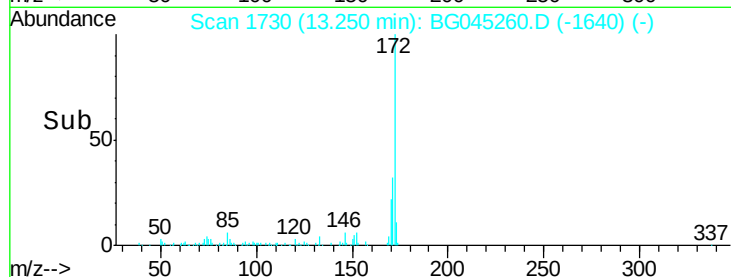
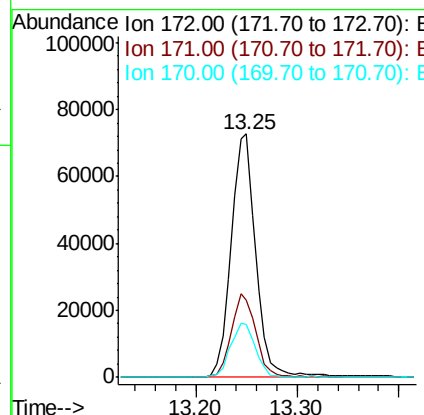
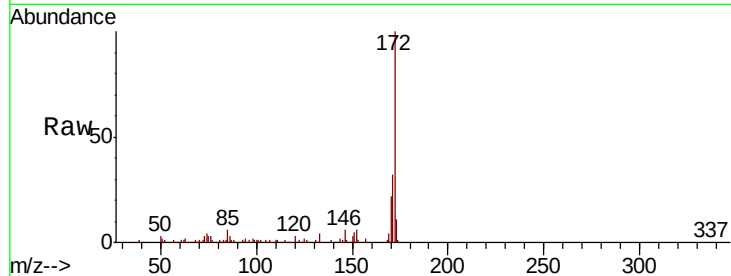
#45
2-Fluorobiphenyl
Concen: 10.084 ng
RT: 13.25 min Scan# 1730
Delta R.T. 0.00 min
Lab File: BG045260.D
Acq: 6 May 2020 19:39

Instrument :
BNA_G
ClientSampled :
TP-18A

Tot Ion	Ratio	Lower	Upper
172	100		
171	32.0	30.6	46.0
170	21.8	20.5	30.7

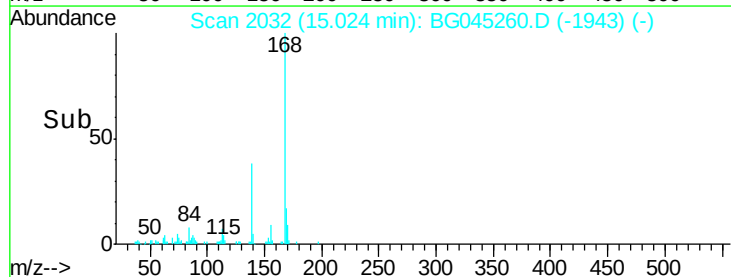
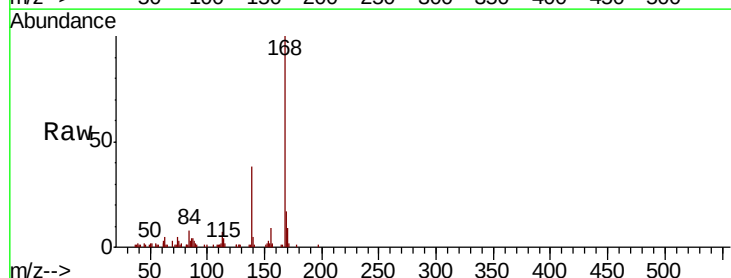
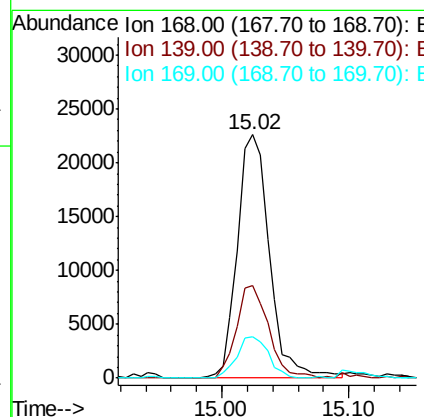
Manual Integrations
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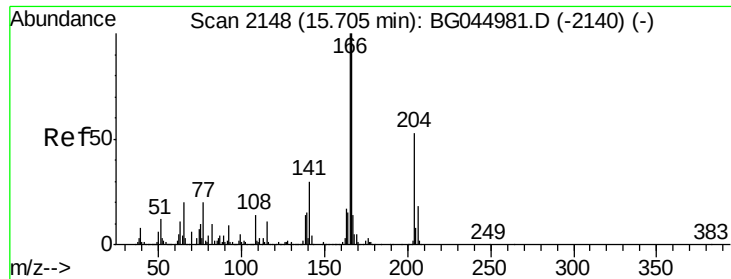
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#55
Dibenzofuran
Concen: 2.385 ng
RT: 15.02 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BG045260.D
Acq: 6 May 2020 19:39

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.1	30.4	45.6
169	17.1	11.0	16.4#





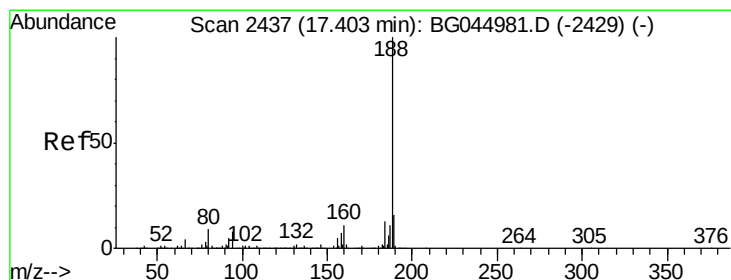
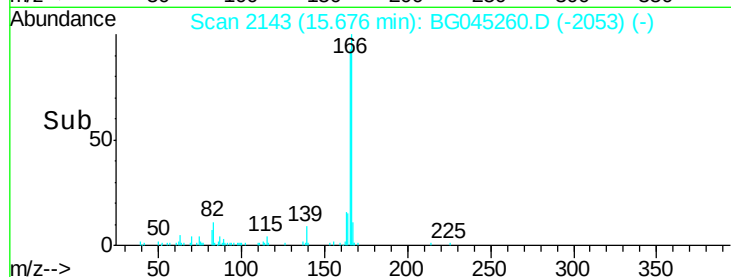
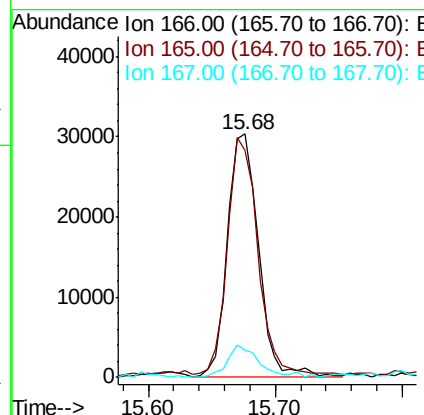
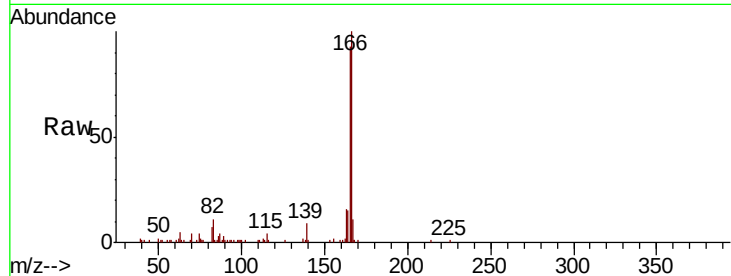
#58
 Fluorene
 Concen: 3.823 ng
 RT: 15.68 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: BG045260.D
 Acq: 6 May 2020 19:39

Instrument :
 BNA_G
 ClientSampleId :
 TP-18A

Tot Ion	Ratio	Lower	Upper
166	100		
165	93.4	79.9	119.9
167	11.2	11.4	17.0

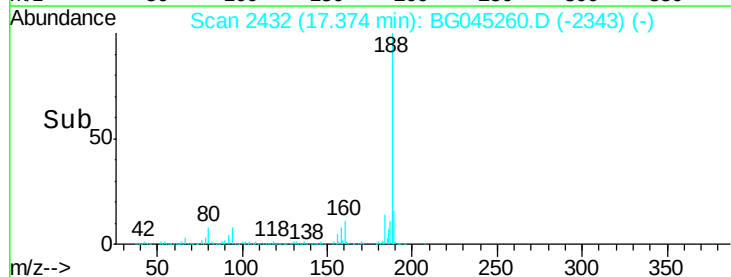
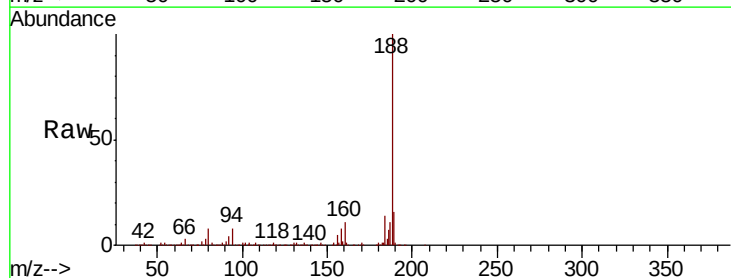
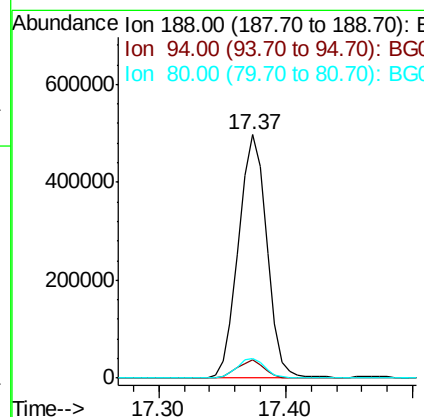
Manual Integrations
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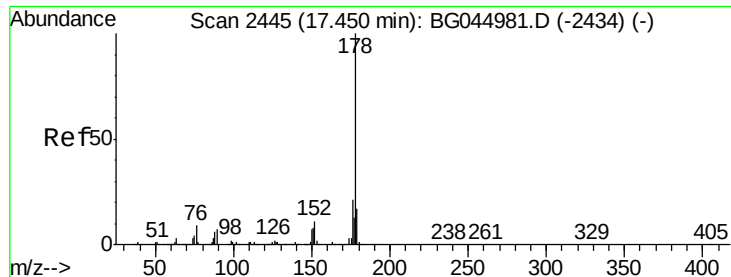
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#64
 Phenanthrene-d10
 Concen: 40.000 ng
 RT: 17.37 min Scan# 2432
 Delta R.T. -0.00 min
 Lab File: BG045260.D
 Acq: 6 May 2020 19:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.2	9.4
80	8.2	7.0	10.6





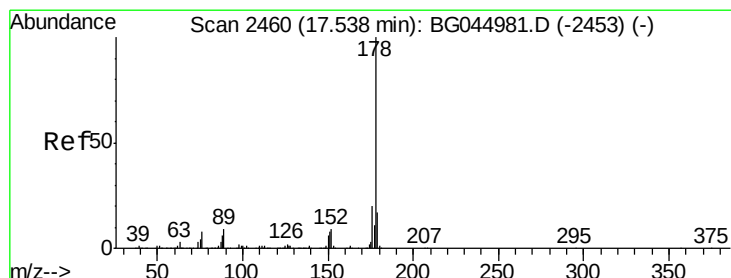
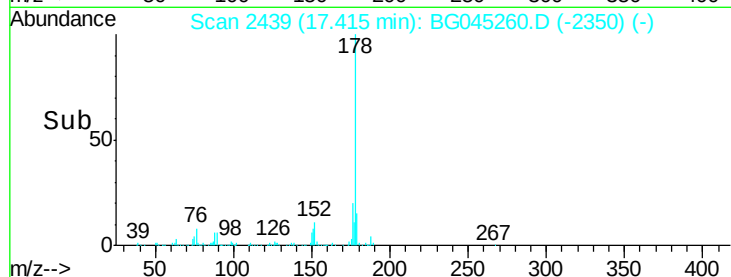
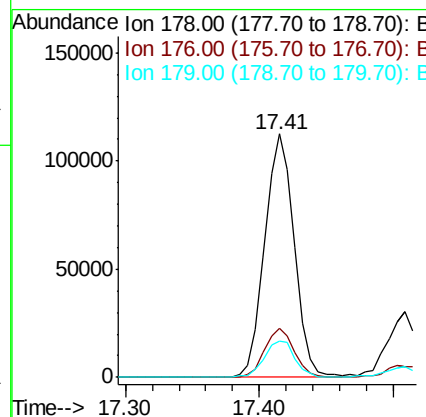
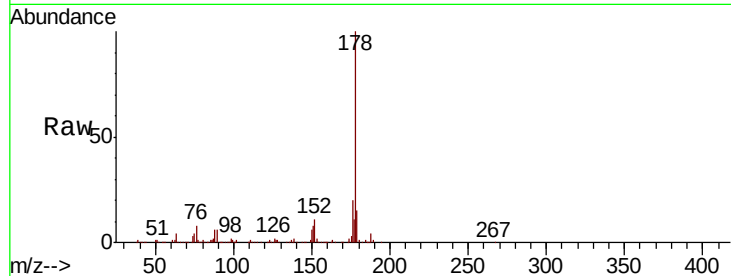
#71
Phenanthrene
Concen: 8.705 ng
RT: 17.41 min Scan# 2439
Delta R.T. -0.00 min
Lab File: BG045260.D
Acq: 6 May 2020 19:39

Instrument :
BNA_G
ClientSampled :
TP-18A

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.8	25.2
179	14.8	13.2	19.8

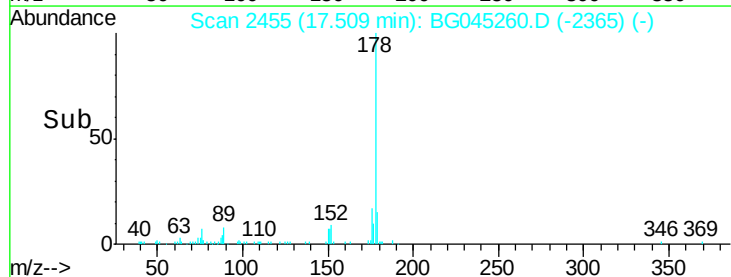
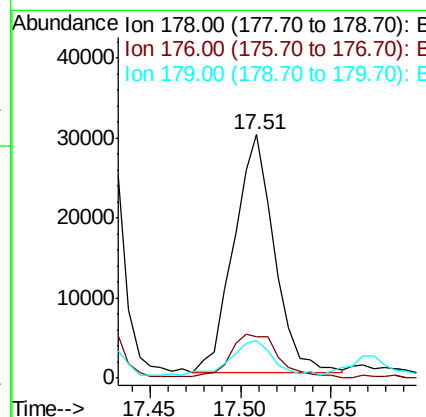
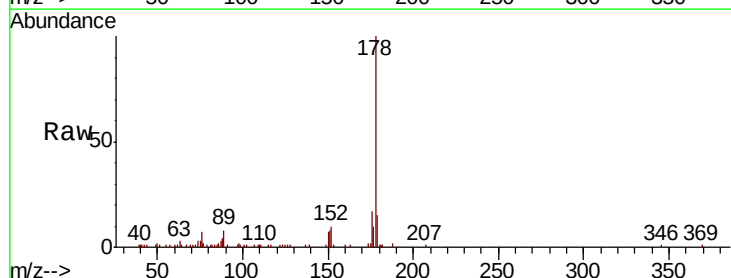
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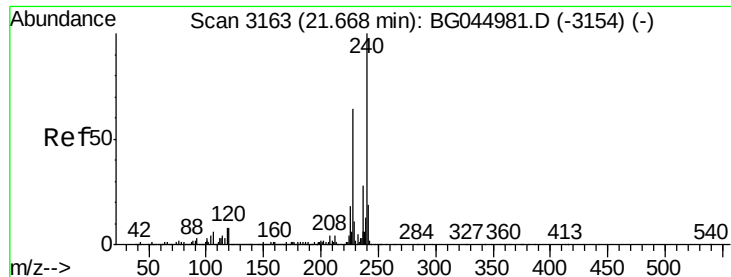
Sohil
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#72
Anthracene
Concen: 2.319 ng
RT: 17.51 min Scan# 2455
Delta R.T. 0.00 min
Lab File: BG045260.D
Acq: 6 May 2020 19:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.1	16.0	24.0
179	15.4	13.6	20.4





#76

Chrysene-d12

Concen: 40.000 ng

RT: 21.64 min Scan# 3158

Delta R.T. -0.00 min

Lab File: BG045260.D

Acq: 6 May 2020 19:39

Instrument :

BNA_G

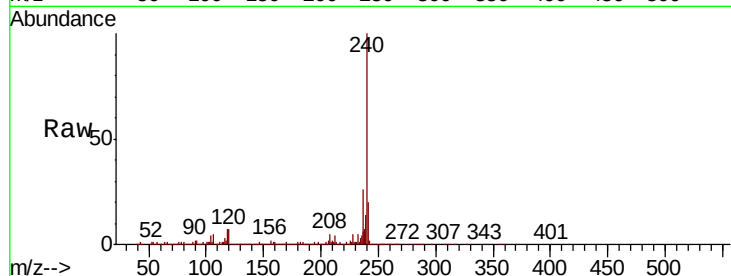
ClientSampled :

TP-18A

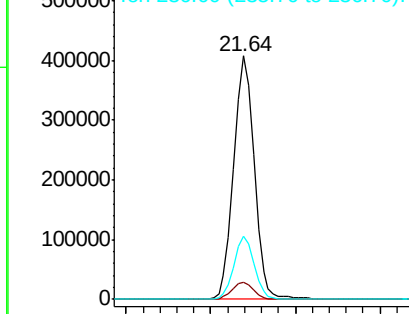
Tot Ion:	240	Resp:	682128
Ion Ratio	Lower	Upper	
240	100		
120	7.2	6.6	10.0
236	25.9	22.2	33.2

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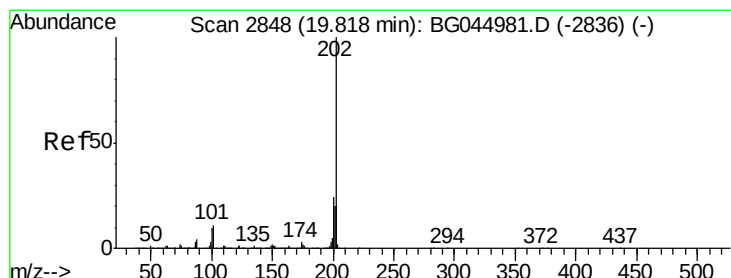
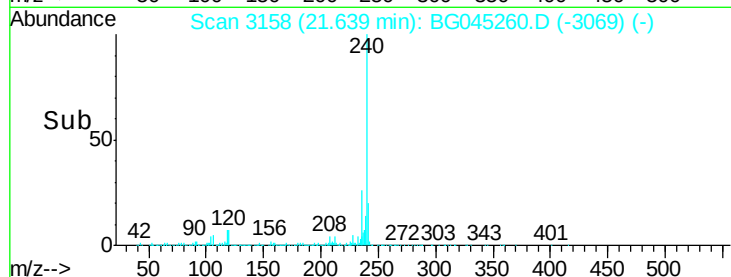
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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time--> 21.50 21.60 21.70 21.80



#78

Pyrene

Concen: 7.218 ng

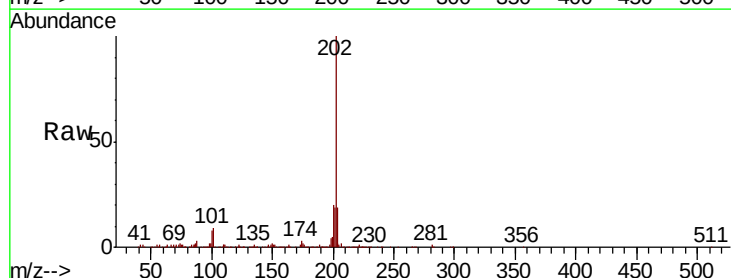
RT: 19.79 min Scan# 2843

Delta R.T. -0.00 min

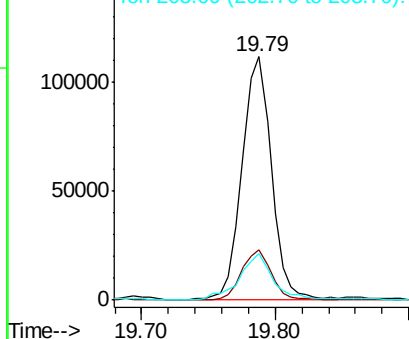
Lab File: BG045260.D

Acq: 6 May 2020 19:39

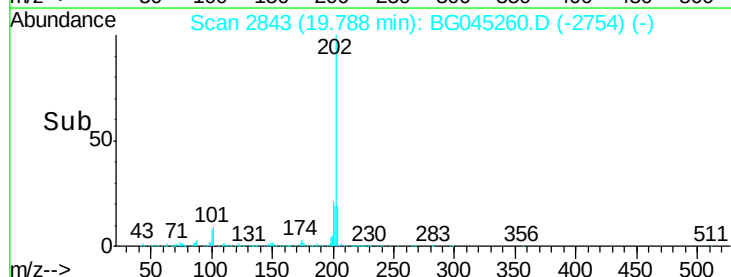
Tgt Ion:	202	Resp:	169710
Ion Ratio	Lower	Upper	
202	100		
200	20.5	19.0	28.6
203	19.0	16.1	24.1

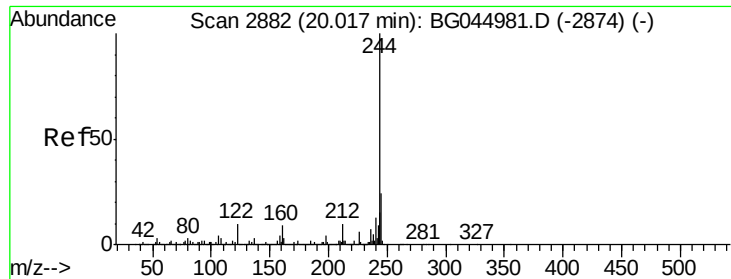


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 19.70 19.80





#79

Terphenyl-d14

Concen: 12.178 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BG045260.D

Acq: 6 May 2020 19:39

Instrument :

BNA_G

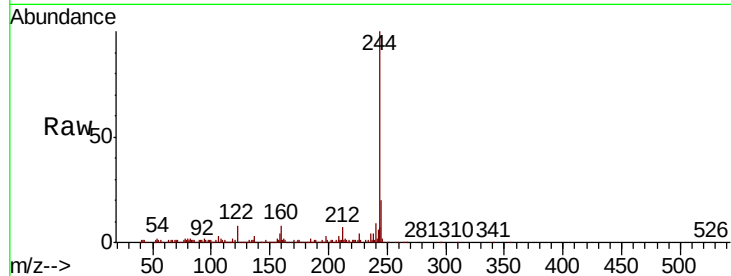
ClientSampled :

TP-18A

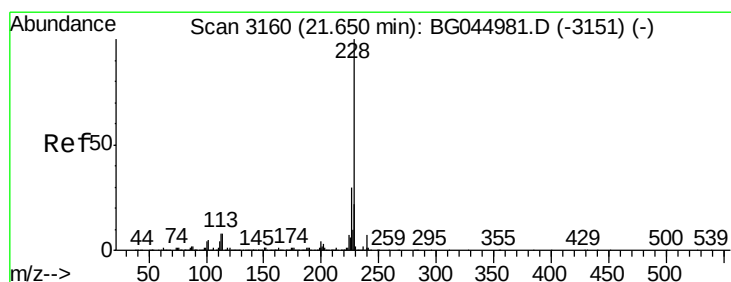
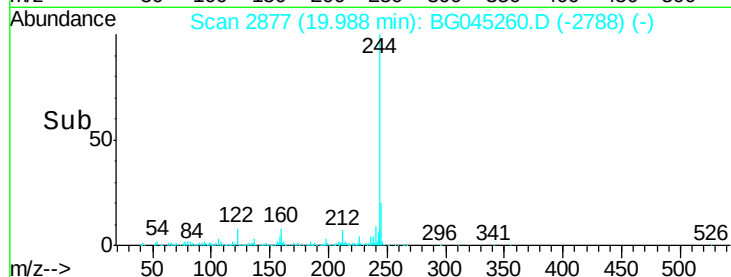
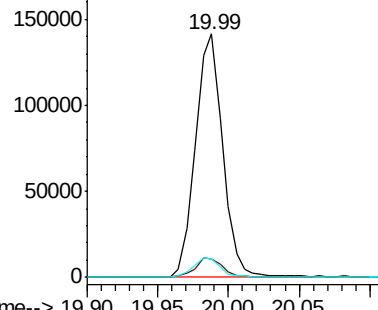
Tot Ion:	244	Resp:	190563
Ion Ratio	Lower	Upper	
244	100		
212	7.4	7.9	11.9#
122	7.5	7.7	11.5#

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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: 5.278 ng

RT: 21.62 min Scan# 3155

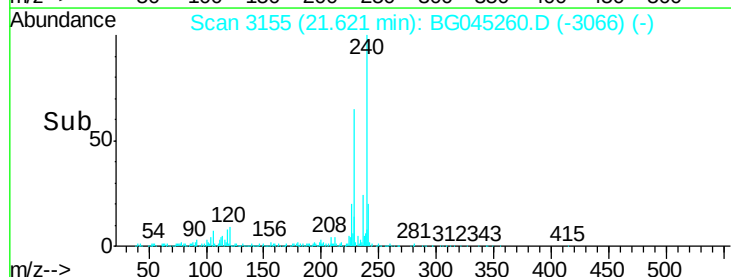
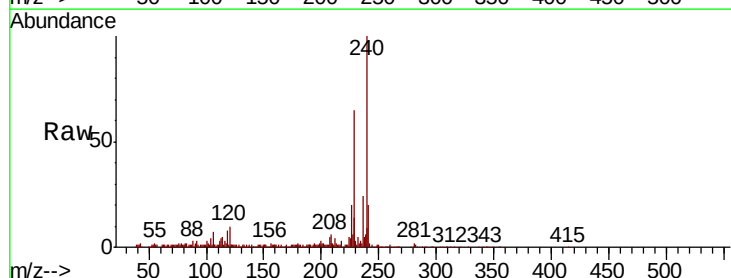
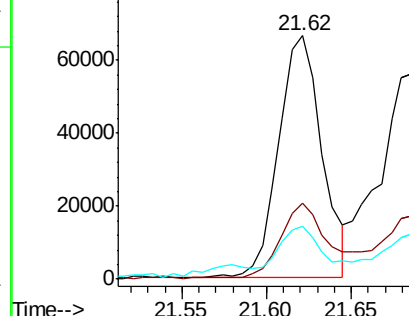
Delta R.T. -0.00 min

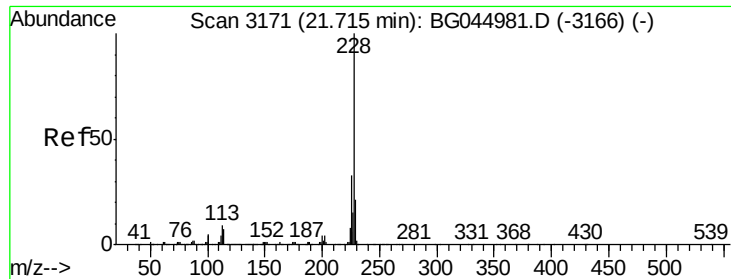
Lab File: BG045260.D

Acq: 6 May 2020 19:39

Tgt Ion:	228	Resp:	116674
Ion Ratio	Lower	Upper	
228	100		
226	31.2	24.0	36.0
229	21.8	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: 5.298 ng/mL

RT: 21.69 min Scan# 3166

Delta R.T. -0.00 min

Lab File: BG045260.D

Acq: 6 May 2020 19:39

Instrument :

BNA_G

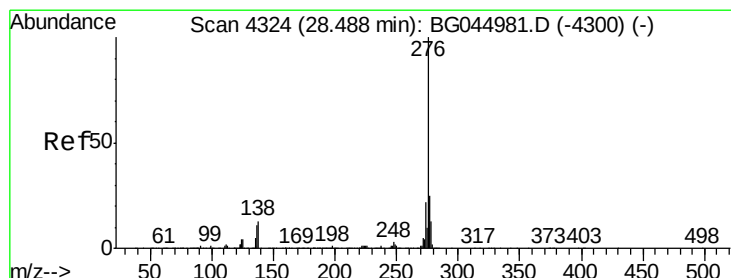
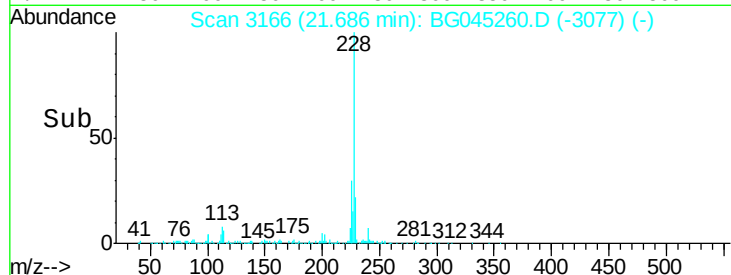
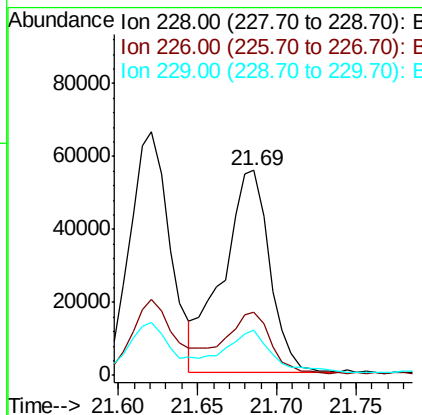
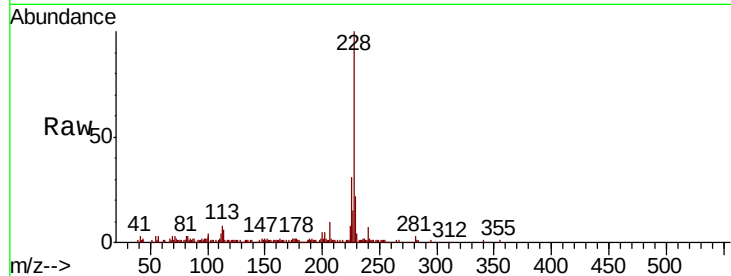
ClientSampled :

TP-18A

Tot Ion:	228	Resp:	112519
Ion Ratio	Lower	Upper	
228	100		
226	30.8	26.2	39.4
229	22.2	17.0	25.6

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#86

Indeno(1,2,3-cd)pyrene

Concen: 3.753 ng/mL

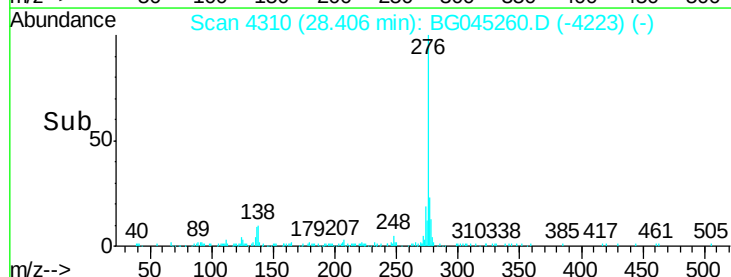
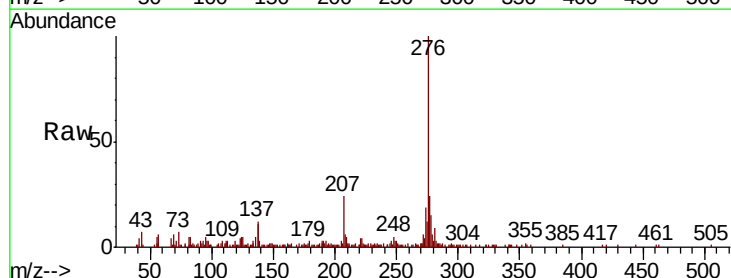
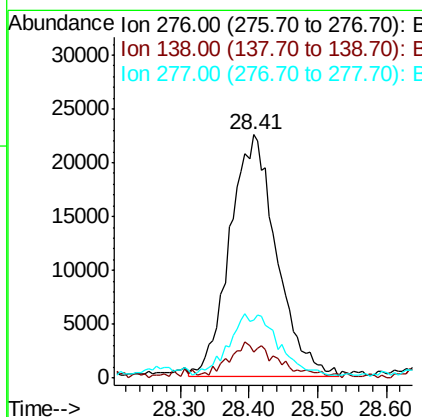
RT: 28.41 min Scan# 4310

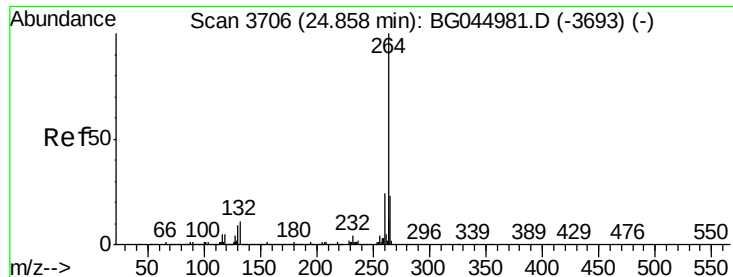
Delta R.T. -0.02 min

Lab File: BG045260.D

Acq: 6 May 2020 19:39

Tgt Ion:	276	Resp:	105845
Ion Ratio	Lower	Upper	
276	100		
138	5.8	9.6	14.4#
277	11.6	20.6	31.0#





#87

Pervlene-d12

Concen: 40.000 ng

RT: 24.82 min Scan# 3699

Delta R.T. 0.00 min

Lab File: BG045260.D

Acq: 6 May 2020 19:39

Instrument :

BNA_G

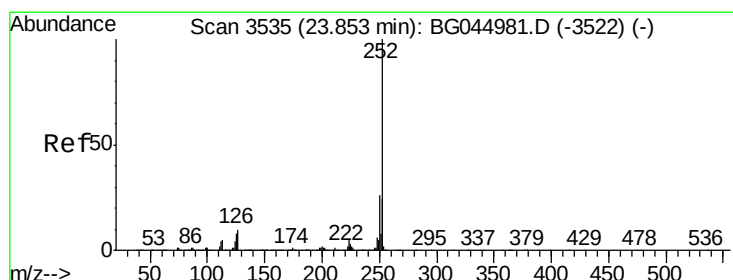
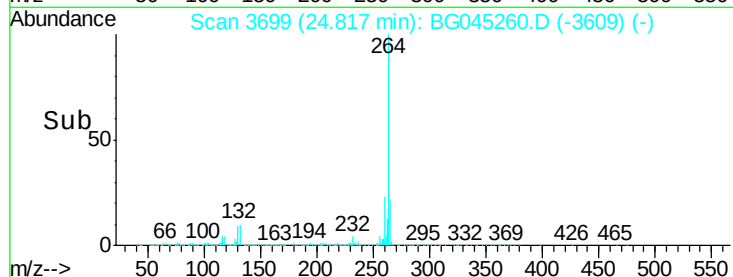
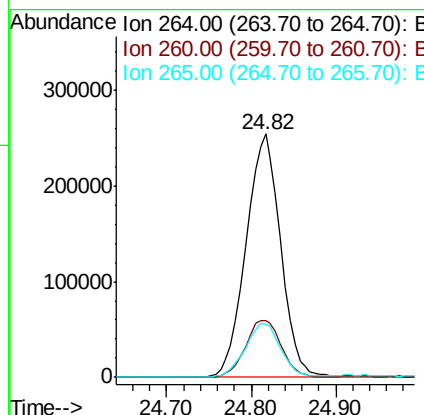
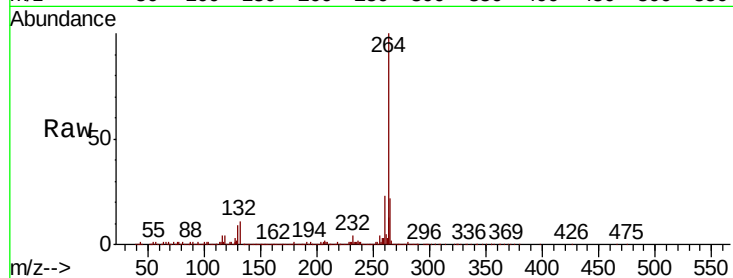
ClientSampled :

TP-18A

Tot Ion:	264	Resp:	721248
Ion Ratio	Lower	Upper	
264	100		
260	23.2	19.2	28.8
265	21.7	19.0	28.4

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 8.547 ng

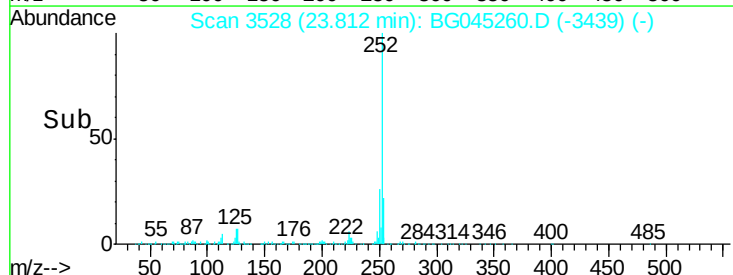
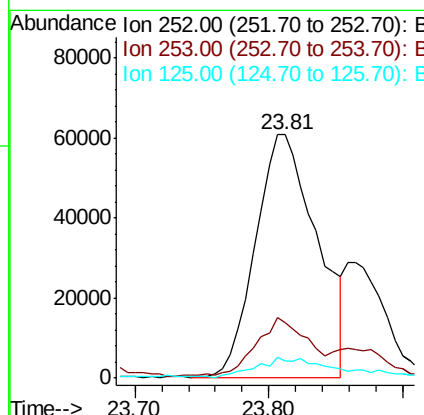
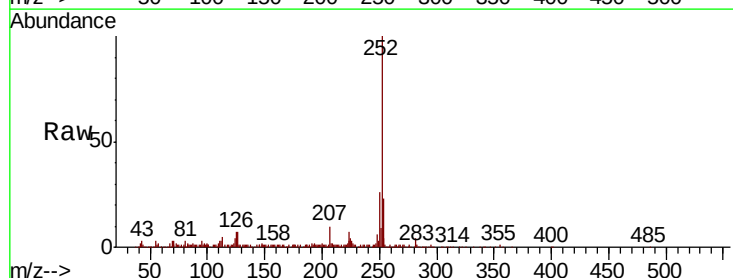
RT: 23.81 min Scan# 3528

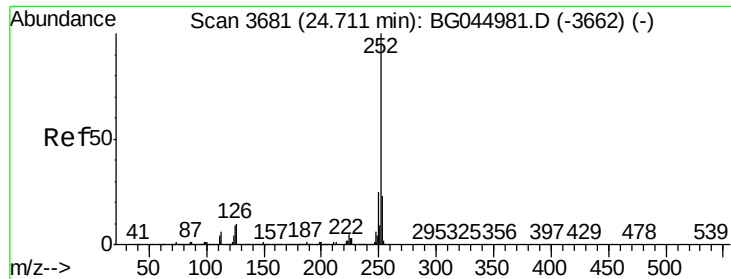
Delta R.T. -0.00 min

Lab File: BG045260.D

Acq: 6 May 2020 19:39

Tgt Ion:	252	Resp:	193078
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.8	28.2
125	7.2	6.2	9.4





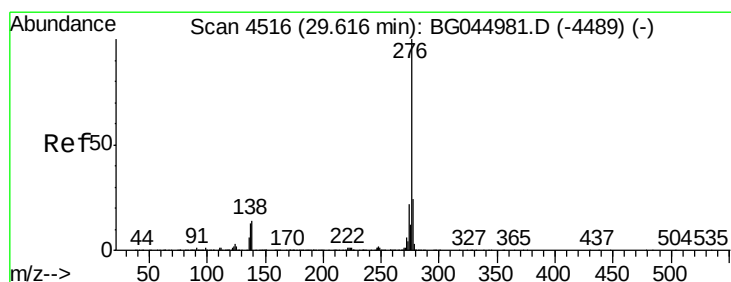
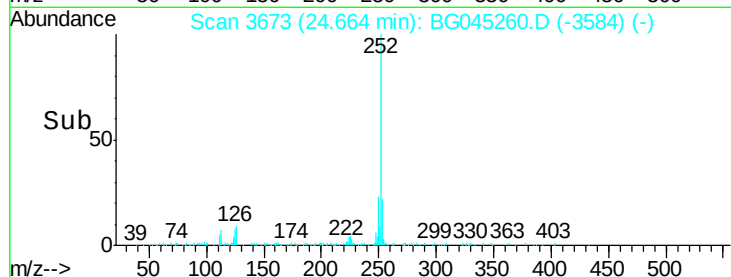
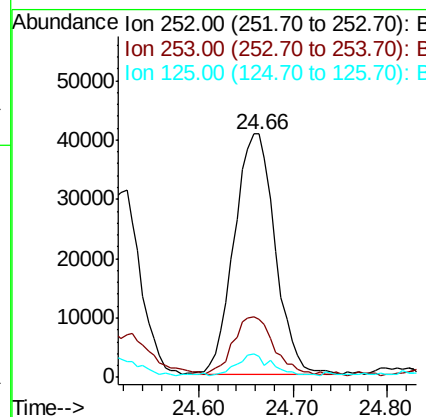
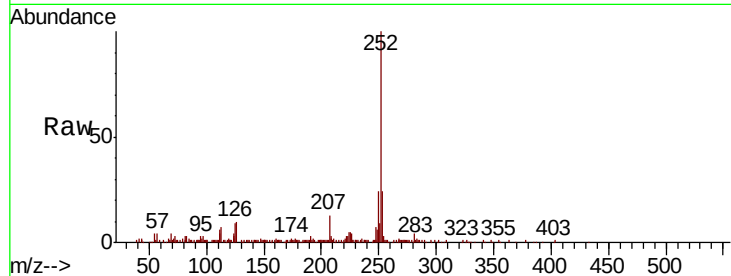
#90
Benzo(a)pyrene
Concen: 5.716 ng
RT: 24.66 min Scan# 3673
Delta R.T. -0.00 min
Lab File: BG045260.D
Acq: 6 May 2020 19:39

Instrument :
BNA_G
ClientSampled :
TP-18A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.3	27.5
125	8.6	7.0	10.6

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 5.065 ng
RT: 29.52 min Scan# 4500
Delta R.T. -0.03 min
Lab File: BG045260.D
Acq: 6 May 2020 19:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	20.5	19.3	28.9
138	11.7	11.4	17.2

