

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081420\
 Data File : BG046287.D
 Acq On : 14 Aug 2020 22:43
 Operator : CG/JU
 Sample : L3662-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VB16182

Manual Integrations
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mohammad
 8/18/2020 1:41:42 PM

Quant Time: Aug 17 02:18:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG073020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 30 18:43:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	121018	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	470044	20.00	ng	0.00
39) Acenaphthene-d10	14.58	164	268036	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	455033	20.00	ng	0.01
76) Chrysene-d12	21.58	240	538485	20.00	ng	0.00
86) Perylene-d12	24.68	264	622280	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	464891	66.78	ng	0.00
7) Phenol-d6	7.12	99	626986	66.08	ng	0.00
23) Nitrobenzene-d5	9.10	82	435060	50.11	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	281283	68.32	ng	0.00
45) 2-Fluorobiphenyl	13.20	172	974119	52.79	ng	0.00
79) Terphenyl-d14	19.95	244	1076616	40.72	ng	0.01

Target Compounds				Qvalue		
32) Benzoic acid	10.02	122	35512	15.100	ng	94
50) Dimethylphthalate	14.02	163	117141	5.694	ng	# 85
71) Phenanthrene	17.39	178	616697	24.741	ng	# 82
72) Anthracene	17.47	178	97019	3.913	ng	# 31
73) Carbazole	17.74	167	67545	2.825	ng	# 10
75) Fluoranthene	19.40	202	1285104	41.297	ng	95
78) Pyrene	19.76	202	1108046	30.625	ng	96
81) Benzo(a)anthracene	21.56	228	670107	18.596	ng	98
83) Chrysene	21.62	228	759756	21.522	ng	98
84) Bis(2-ethylhexyl)phthalate	21.47	149	139467	7.443	ng	97
87) Indeno(1,2,3-cd)pyrene	28.19	276	493256	10.393	ng	96
88) Benzo(b)fluoranthene	23.70	252	1043947	25.035	ng	100
89) Benzo(k)fluoranthene	23.76	252	387821m	9.482	ng	
90) Benzo(a)pyrene	24.54	252	679331	17.507	ng	99
91) Dibenzo(a,h)anthracene	28.24	278	120082	3.027	ng	94
92) Benzo(g,h,i)perylene	29.29	276	468427	11.691	ng	100

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

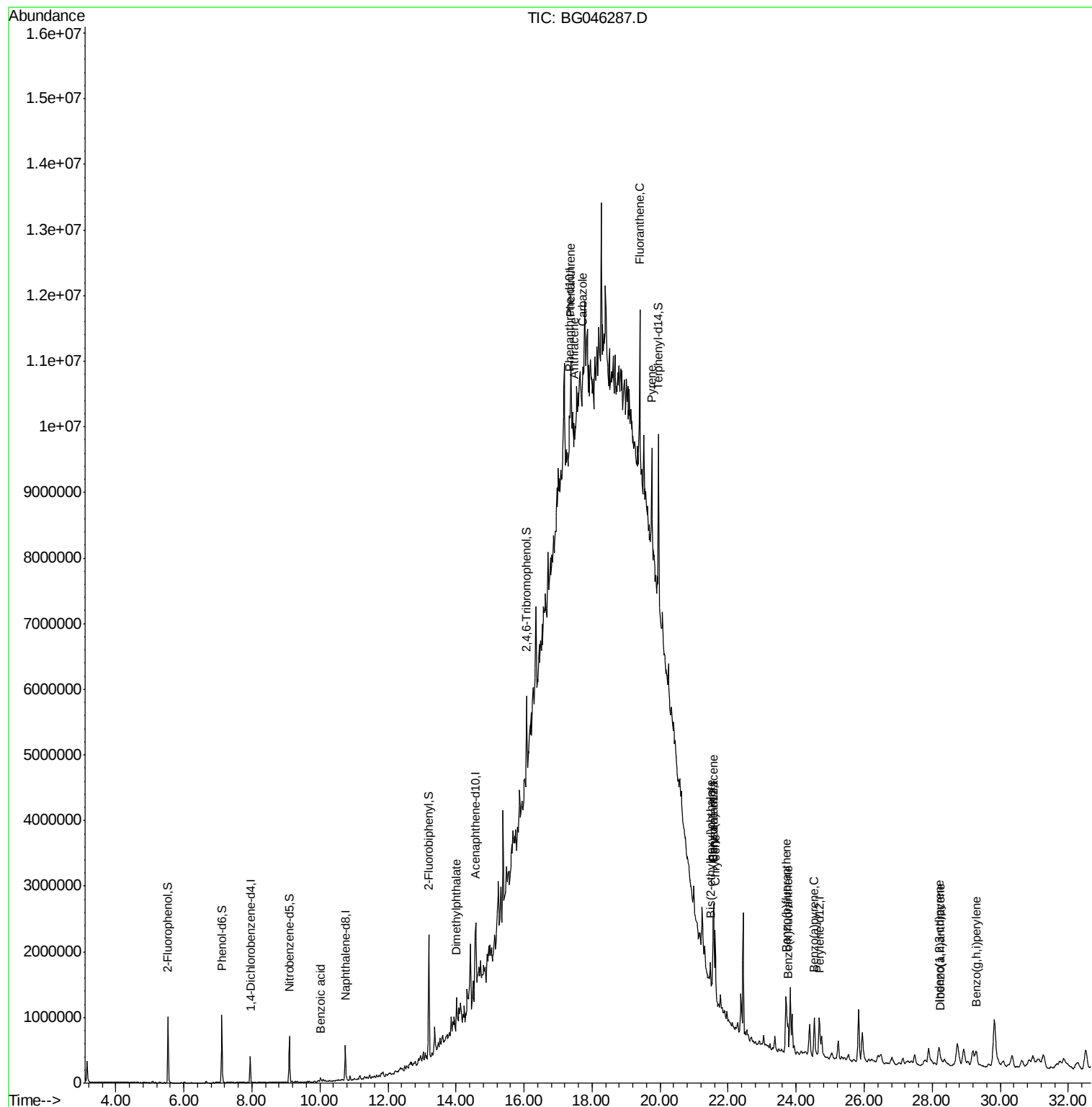
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081420\
Data File : BG046287.D
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Sample : L3662-02
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ALS Vial : 14 Sample Multiplier: 1

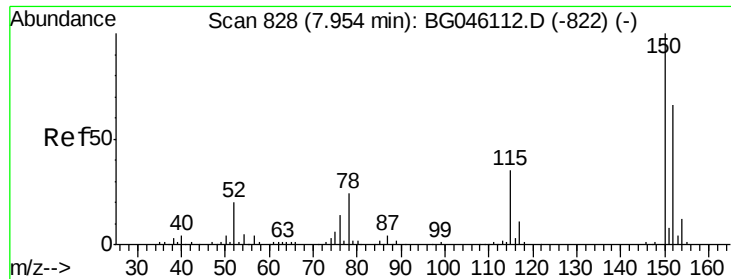
Instrument :
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Quant Time: Aug 17 02:18:36 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG073020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

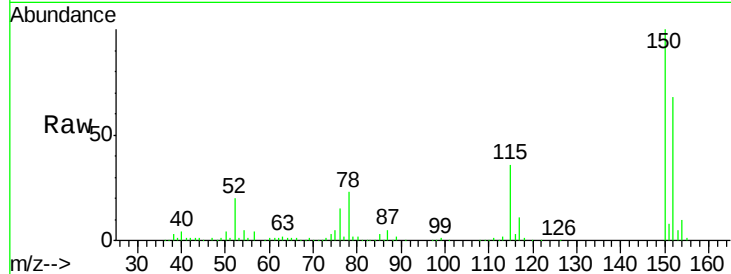
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.00 min
Lab File: BG046287.D
Acq: 14 Aug 2020 22:43

Instrument :
BNA_G
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	147.2	122.1	183.1
115	53.5	43.2	64.8

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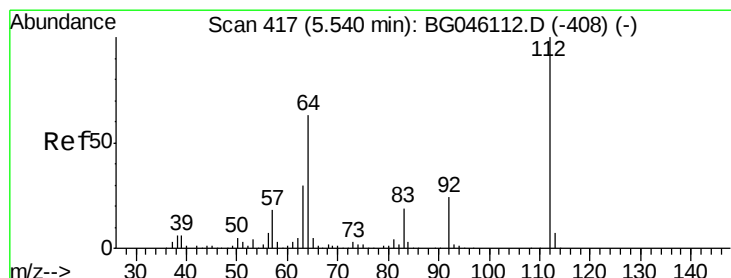
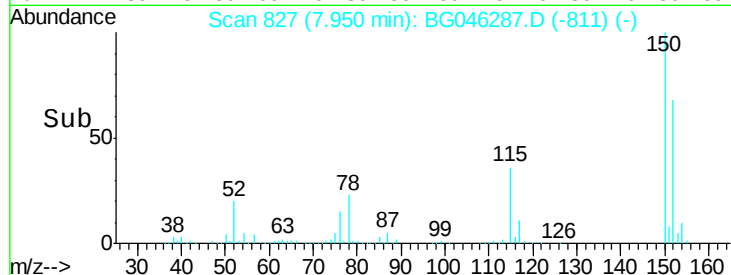
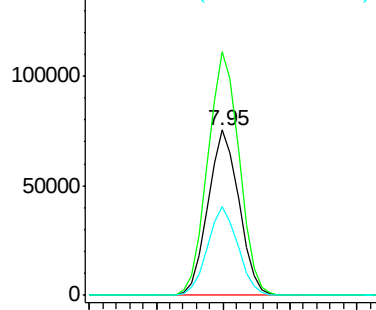


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

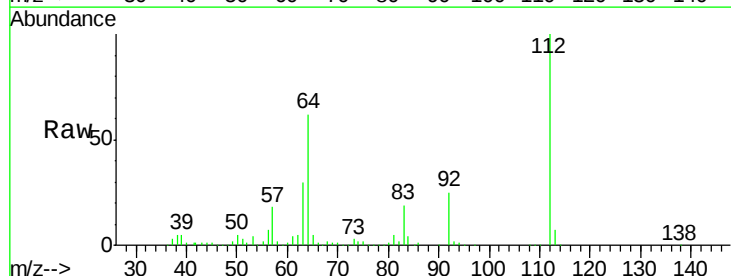
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 66.780 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.00 min
Lab File: BG046287.D
Acq: 14 Aug 2020 22:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	50.2	75.2
63	30.3	24.2	36.4

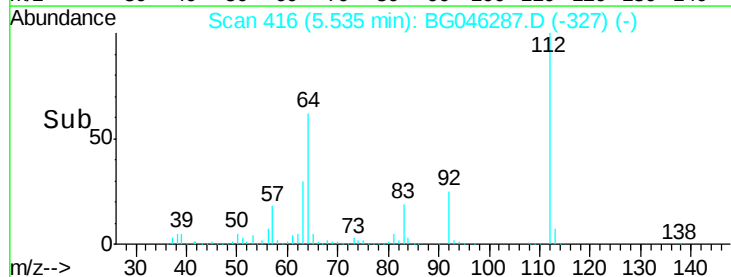
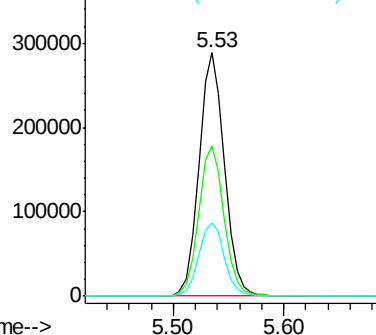


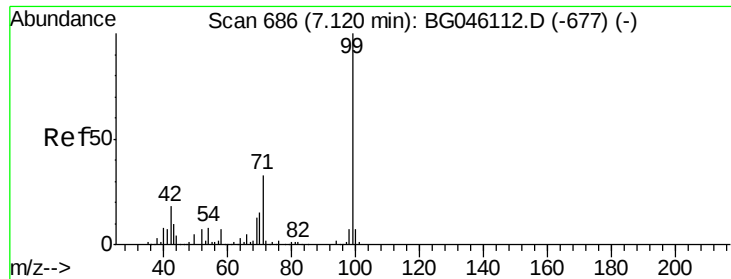
Abundance

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: 66.084 ng

RT: 7.12 min Scan# 685

Delta R.T. -0.00 min

Lab File: BG046287.D

Acq: 14 Aug 2020 22:43

Instrument :

BNA_G

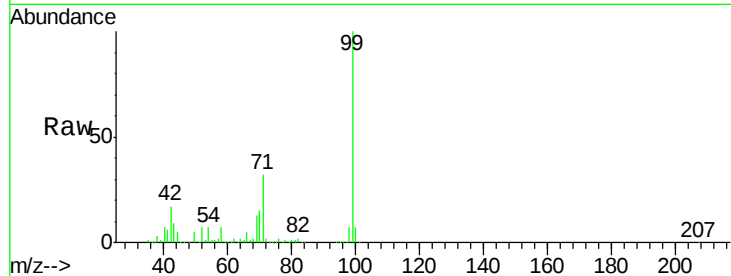
ClientSampled :

VB16182

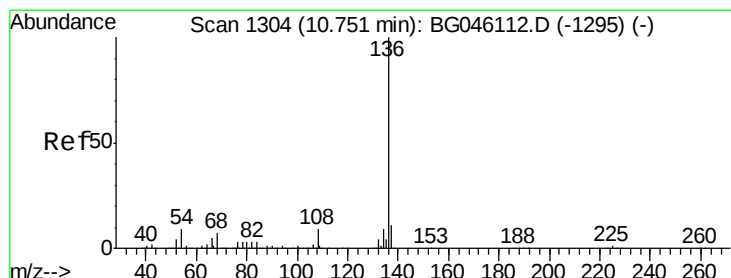
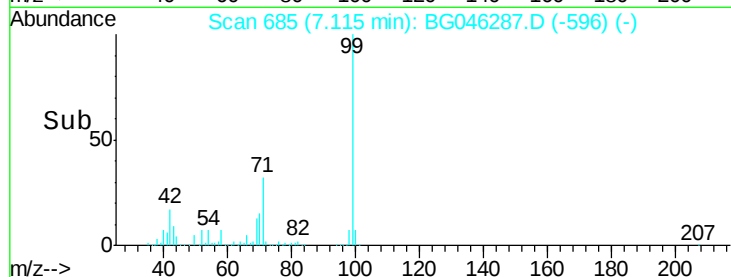
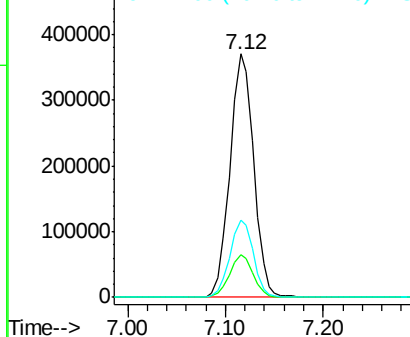
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		626986		
42	17.3	14.7	22.1		
71	31.5	26.5	39.7		

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Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.75 min Scan# 1303

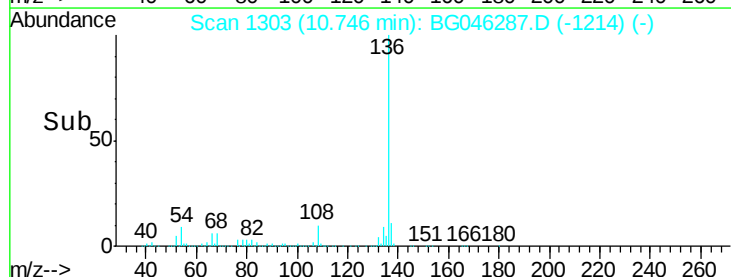
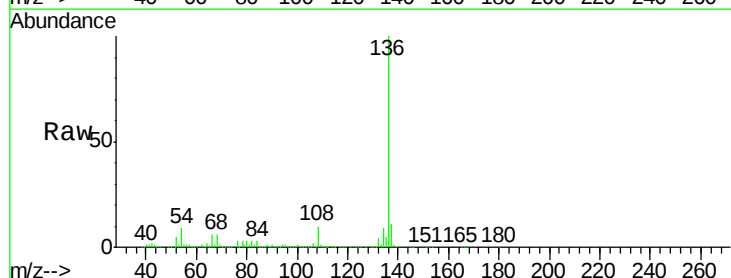
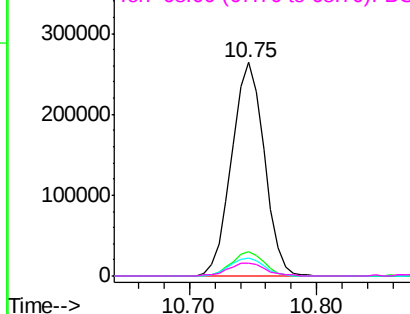
Delta R.T. -0.00 min

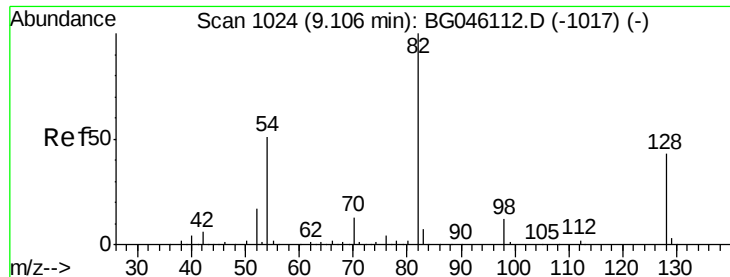
Lab File: BG046287.D

Acq: 14 Aug 2020 22:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		470044		
137	11.5	8.8	13.2		
54	8.6	7.0	10.4		
68	6.3	5.3	7.9		

Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC





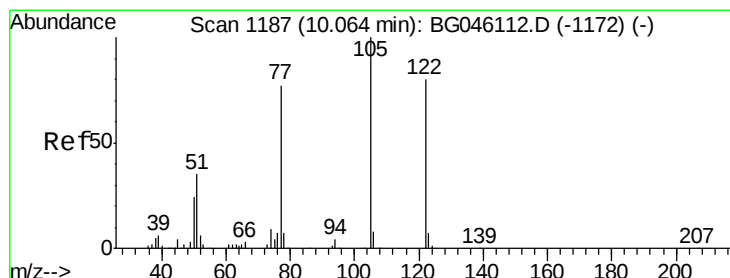
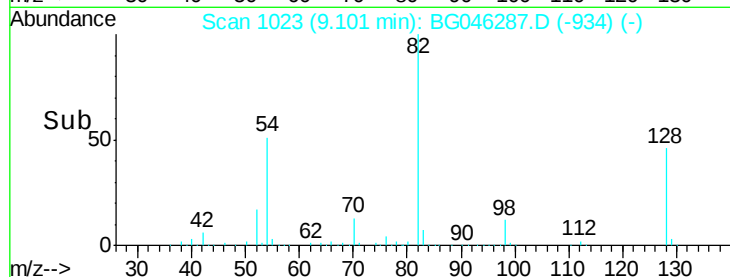
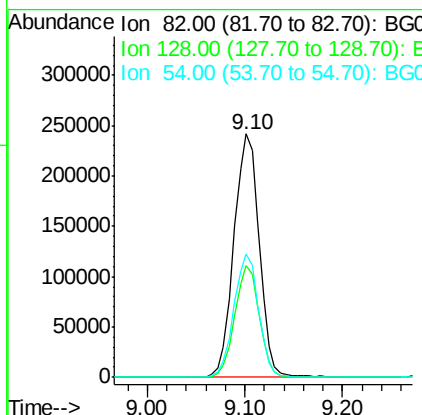
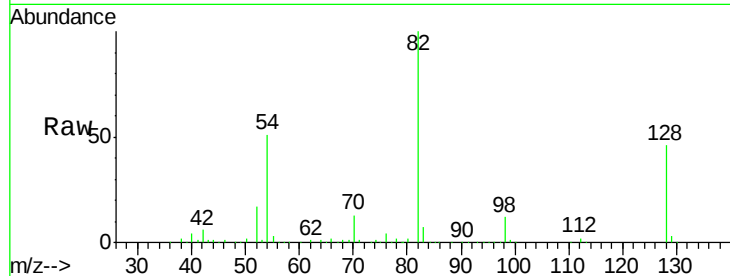
#23
Nitrobenzene-d5
Concen: 50.113 ng
RT: 9.10 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BG046287.D
Acq: 14 Aug 2020 22:43

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.7	34.4	51.6	
54	50.8	40.8	61.2	

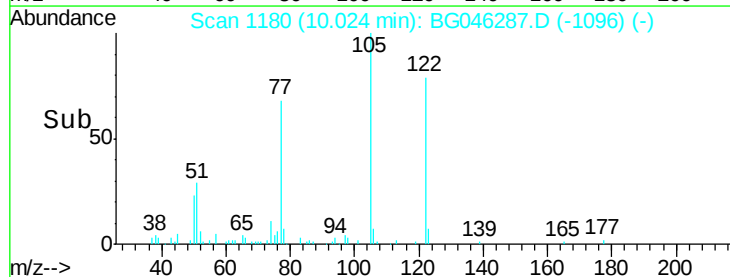
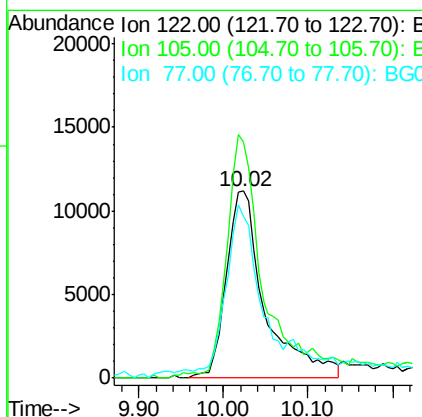
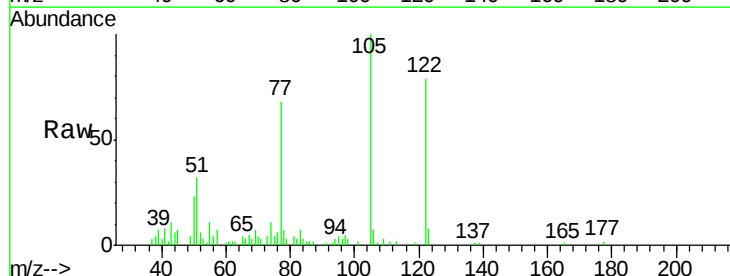
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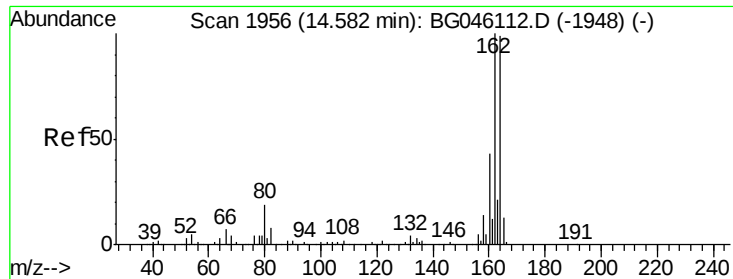
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#32
Benzoic acid
Concen: 15.100 ng
RT: 10.02 min Scan# 1180
Delta R.T. -0.04 min
Lab File: BG046287.D
Acq: 14 Aug 2020 22:43

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	126.1	103.0	143.0	
77	86.3	75.2	115.2	





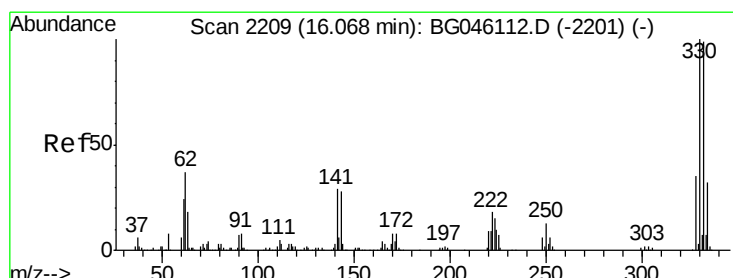
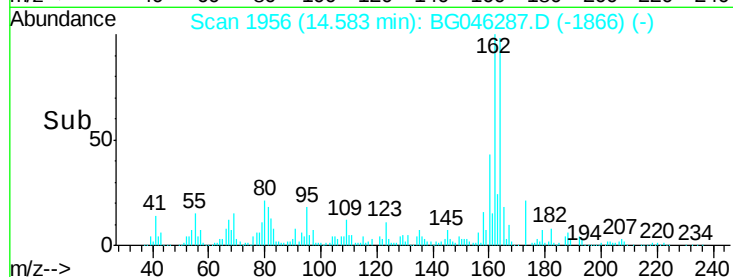
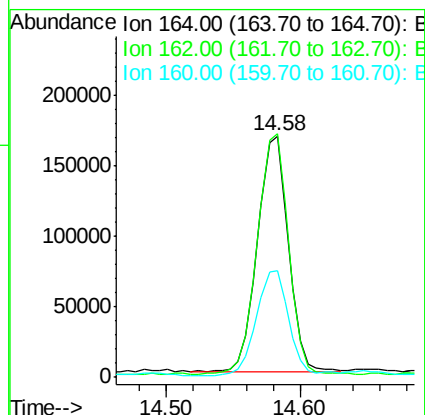
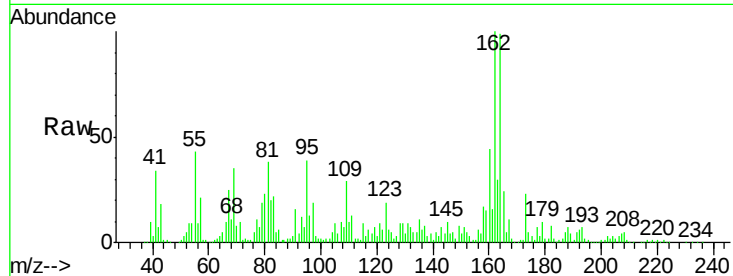
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.58 min Scan# 1956
Delta R.T. 0.00 min
Lab File: BG046287.D
Acq: 14 Aug 2020 22:43

Instrument :
BNA_G
ClientSampleId :
VB16182

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.0	80.6	121.0	
160	44.0	34.9	52.3	

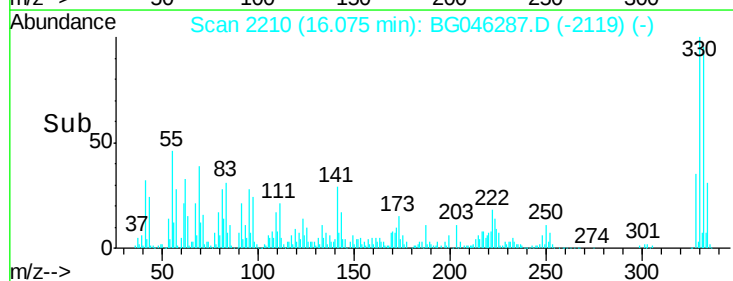
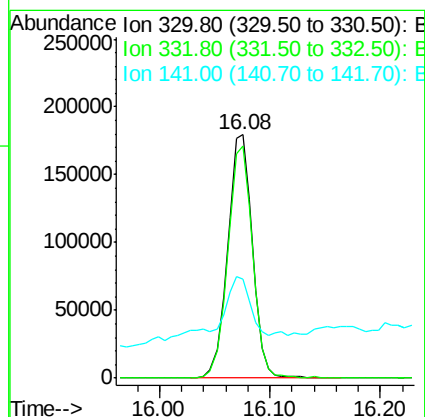
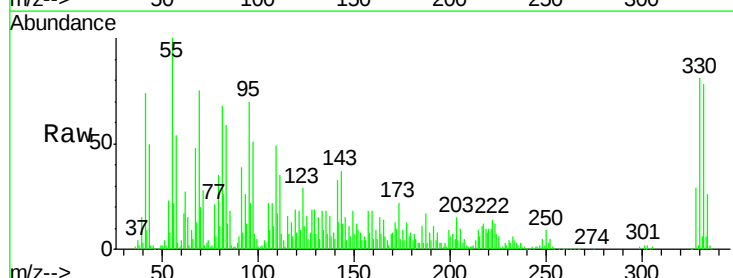
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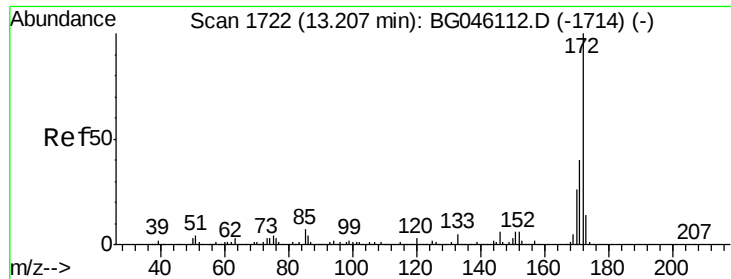
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#42
2,4,6-Tribromophenol
Concen: 68.323 ng
RT: 16.08 min Scan# 2210
Delta R.T. 0.01 min
Lab File: BG046287.D
Acq: 14 Aug 2020 22:43

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.0	77.4	116.2	
141	22.5	23.4	35.0#	





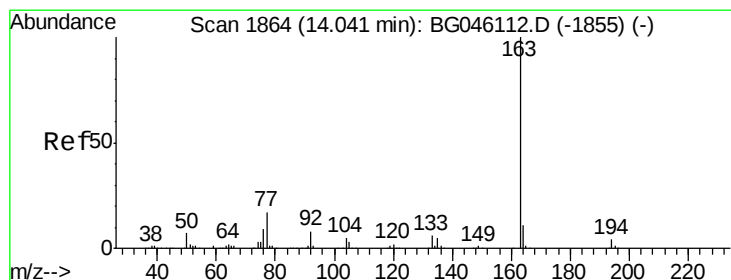
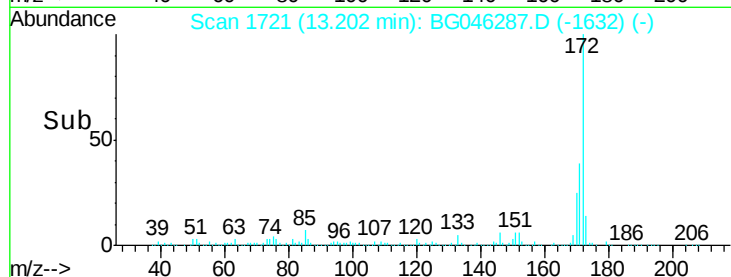
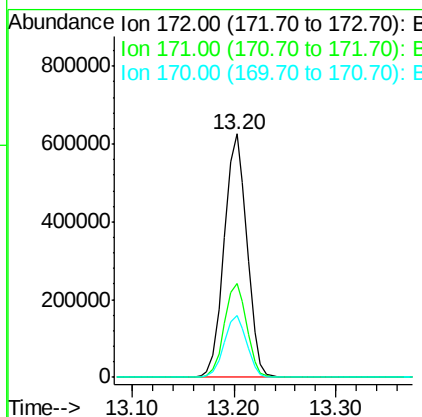
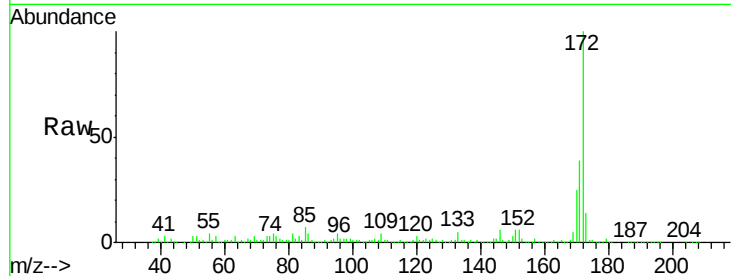
#45
2-Fluorobiphenyl
Concen: 52.793 ng
RT: 13.20 min Scan# 1721
Delta R.T. -0.00 min
Lab File: BG046287.D
Acq: 14 Aug 2020 22:43

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
172	100		
171	38.6	31.7	47.5
170	25.5	20.9	31.3

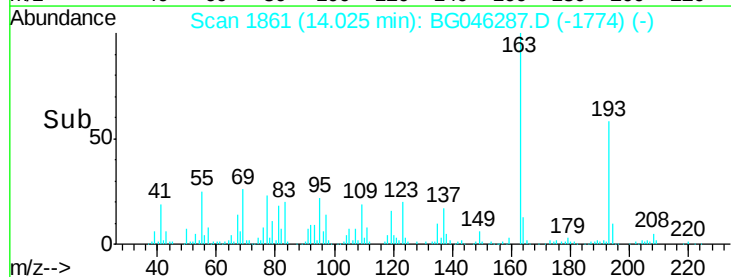
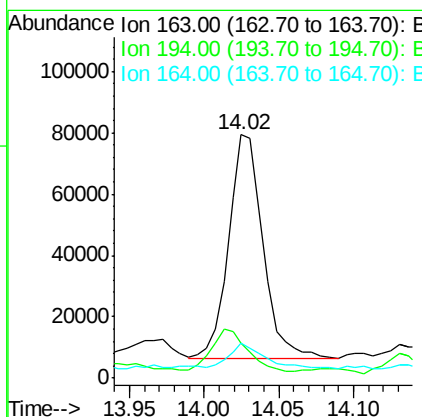
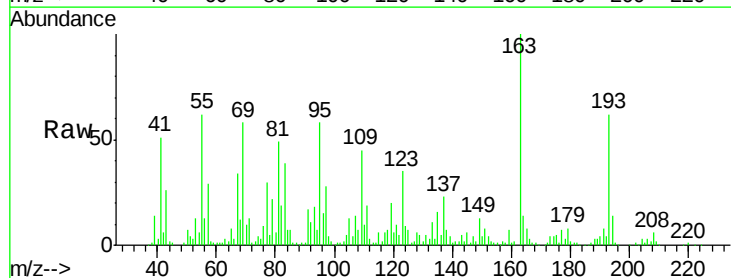
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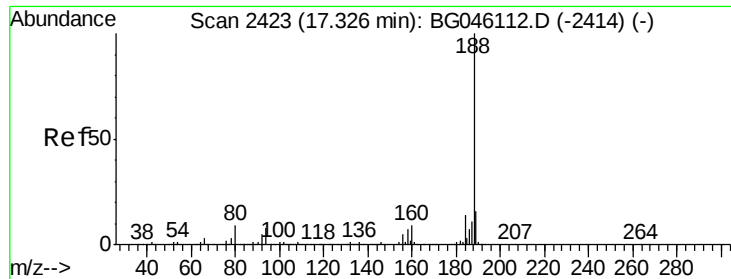
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#50
Dimethylphthalate
Concen: 5.694 ng
RT: 14.02 min Scan# 1861
Delta R.T. -0.02 min
Lab File: BG046287.D
Acq: 14 Aug 2020 22:43

Tgt Ion	Ratio	Lower	Upper
163	100		
194	14.4	3.5	5.3#
164	14.4	8.8	13.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.34 min Scan# 2425

Delta R.T. 0.01 min

Lab File: BG046287.D

Acq: 14 Aug 2020 22:43

Instrument :

BNA_G

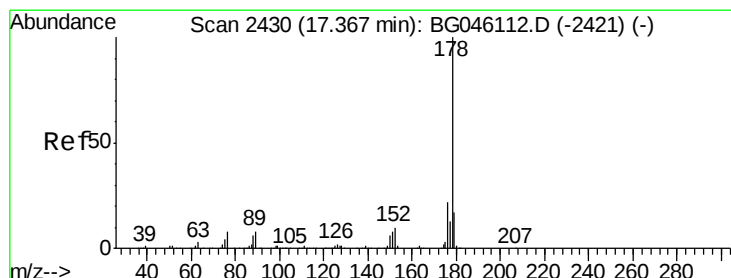
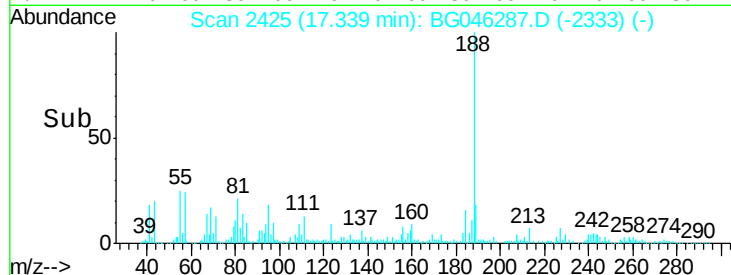
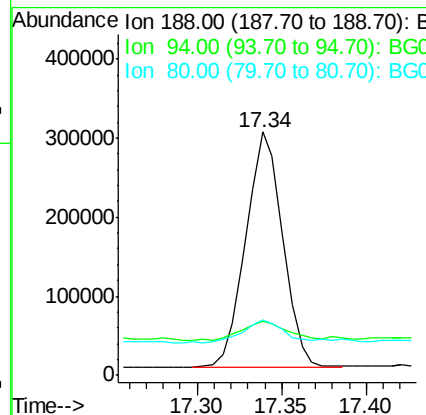
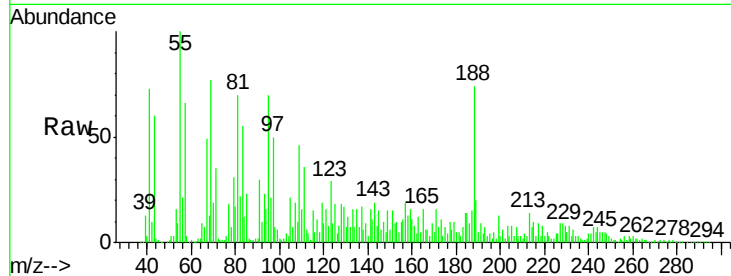
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Tot Ion:	188	Resp:	455033
Ion Ratio	Lower	Upper	
188	100		
94	22.1	6.4	9.6#
80	22.6	7.4	11.0#

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#71

Phenanthrene

Concen: 24.741 ng

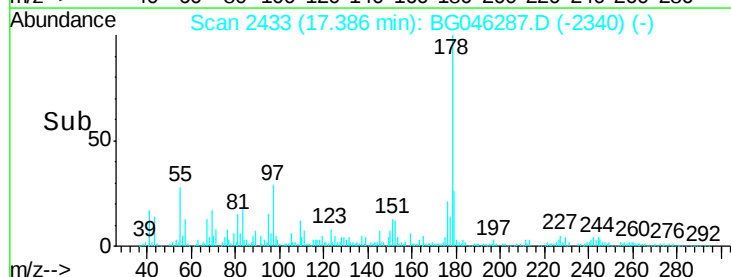
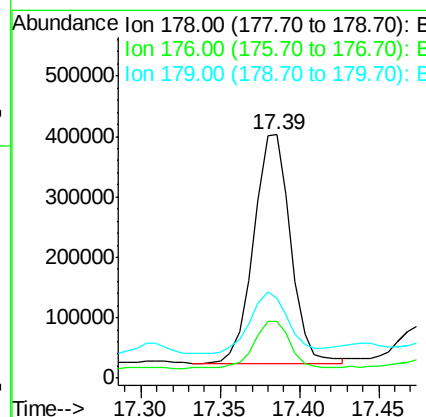
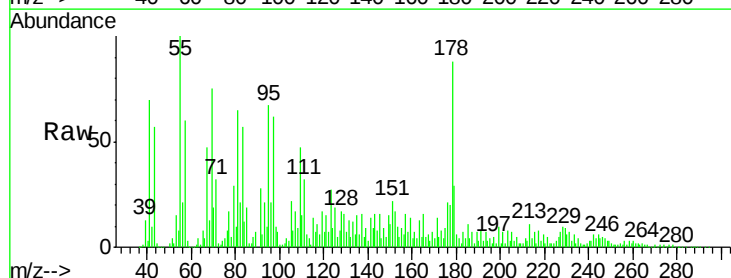
RT: 17.39 min Scan# 2433

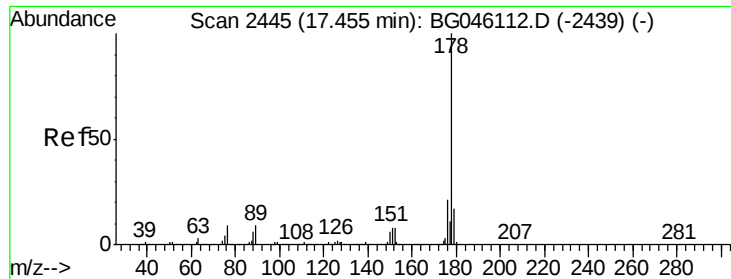
Delta R.T. 0.02 min

Lab File: BG046287.D

Acq: 14 Aug 2020 22:43

Tgt Ion:	178	Resp:	616697
Ion Ratio	Lower	Upper	
178	100		
176	23.4	17.3	25.9
179	33.0	13.8	20.6#





#72

Anthracene

Concen: 3.913 ng

RT: 17.47 min Scan# 2448

Delta R.T. 0.02 min

Lab File: BG046287.D

Acq: 14 Aug 2020 22:43

Instrument :

BNA_G

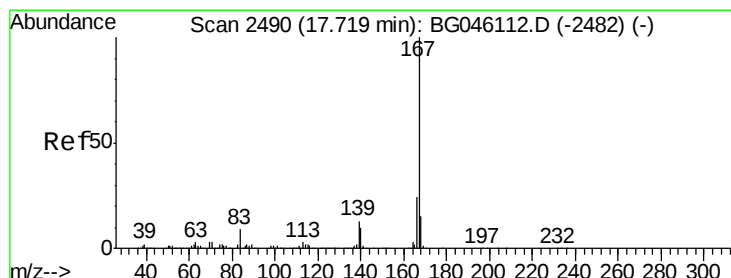
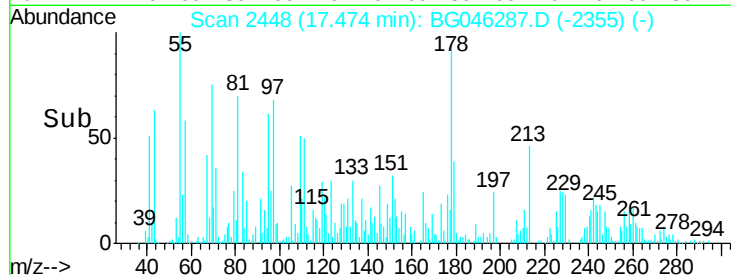
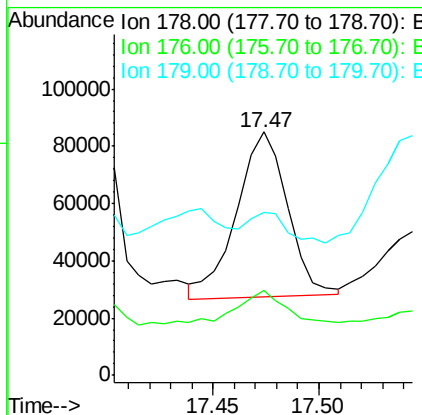
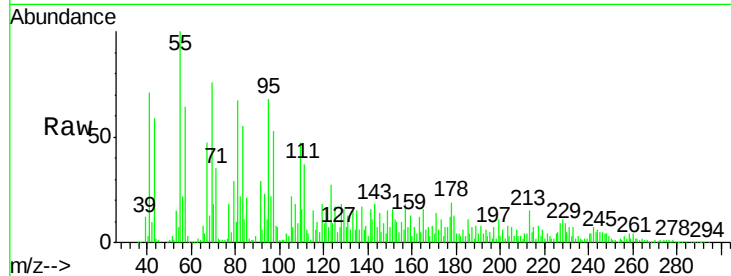
ClientSampleId :

VB16182

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	35.0	16.6	24.8#	
179	67.2	13.4	20.2#	

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#73

Carbazole

Concen: 2.825 ng

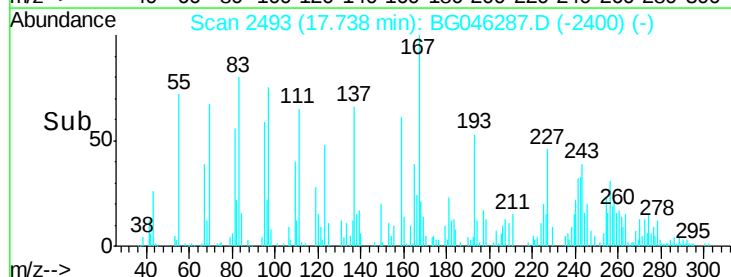
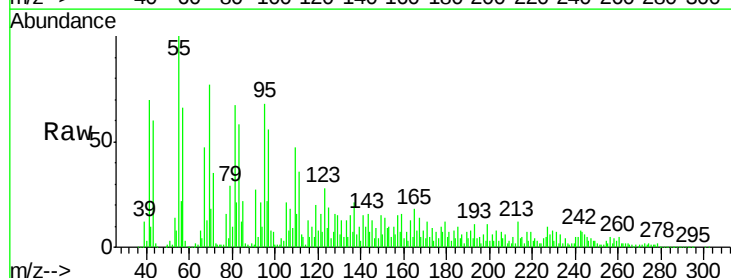
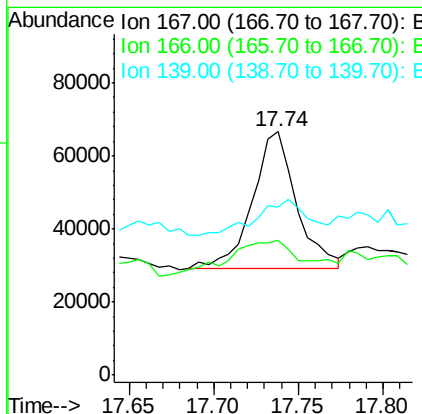
RT: 17.74 min Scan# 2493

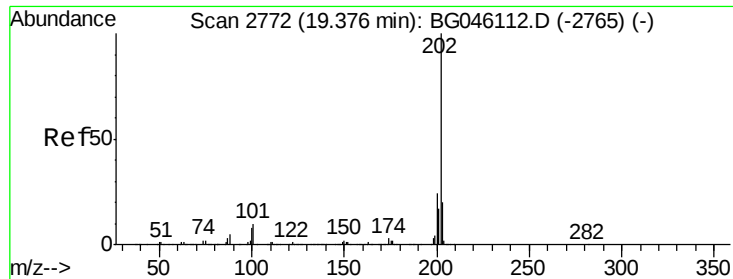
Delta R.T. 0.02 min

Lab File: BG046287.D

Acq: 14 Aug 2020 22:43

Tgt Ion	Ion	Ratio	Lower	Upper
167	100			
166	55.2	19.4	29.0#	
139	69.2	10.1	15.1#	





#75

Fluoranthene

Concen: 41.297 ng

RT: 19.40 min Scan# 2776

Delta R.T. 0.02 min

Lab File: BG046287.D

Acq: 14 Aug 2020 22:43

Instrument :

BNA_G

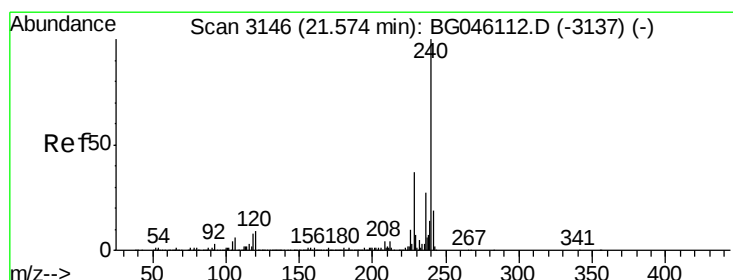
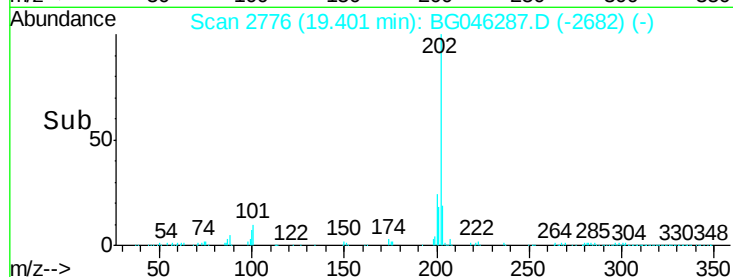
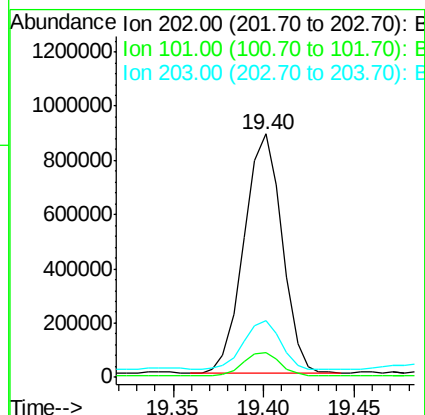
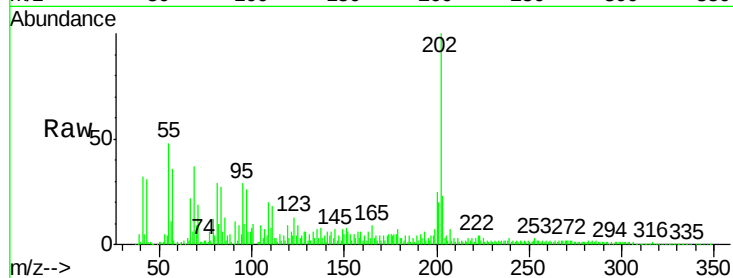
ClientSampleId :

VB16182

Tot Ion:	202	Resp:	1285104
Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	30.0
203	23.3	0.2	40.2

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#76

Chrysene-d12

Concen: 20.000 ng

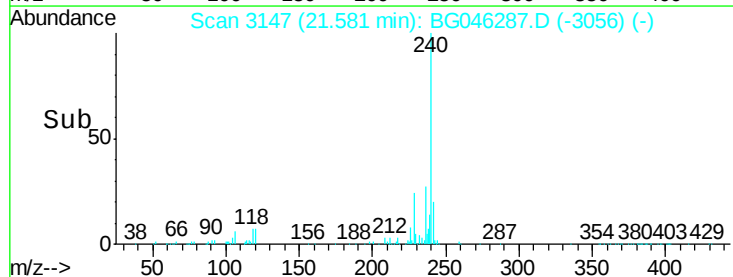
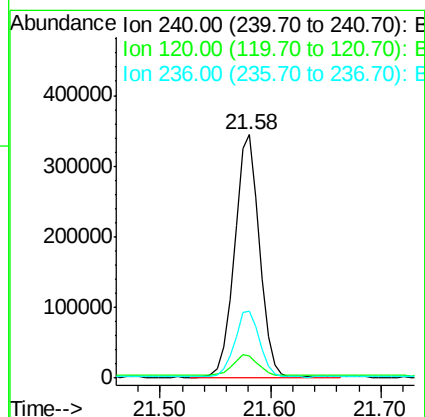
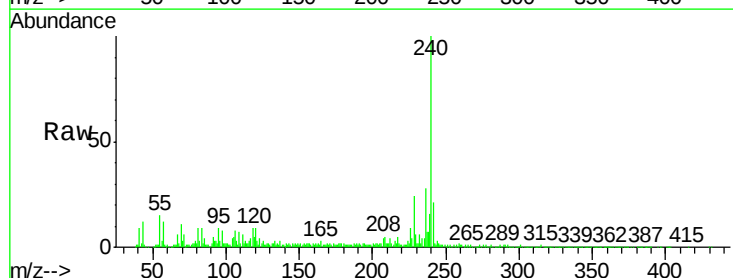
RT: 21.58 min Scan# 3147

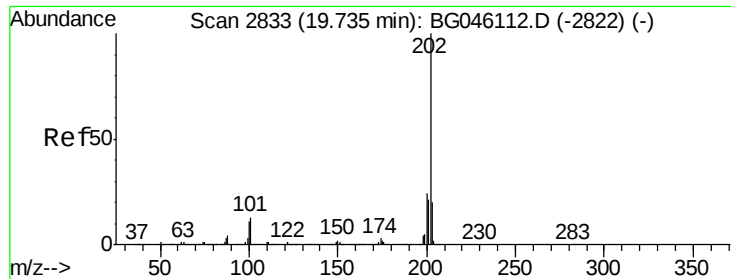
Delta R.T. 0.01 min

Lab File: BG046287.D

Acq: 14 Aug 2020 22:43

Tgt Ion:	240	Resp:	538485
Ion	Ratio	Lower	Upper
240	100		
120	9.3	7.1	10.7
236	27.7	21.7	32.5





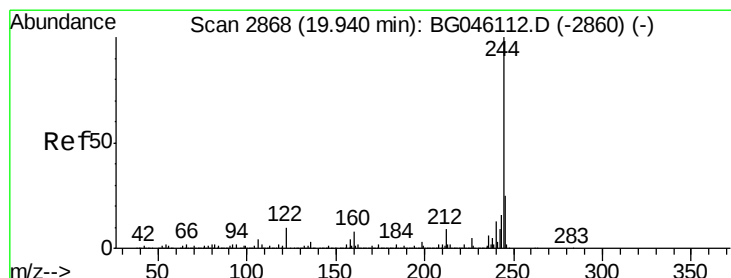
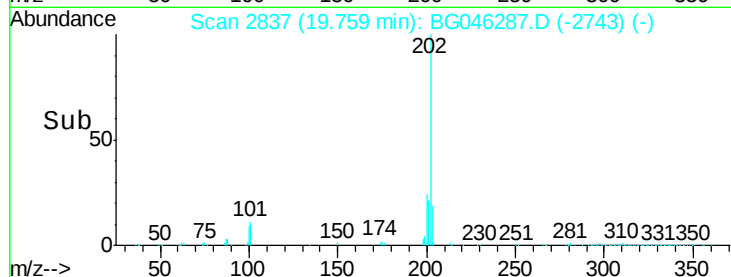
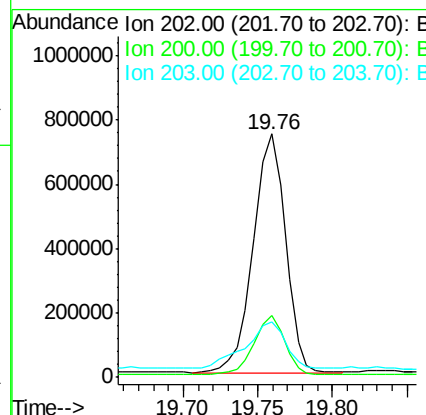
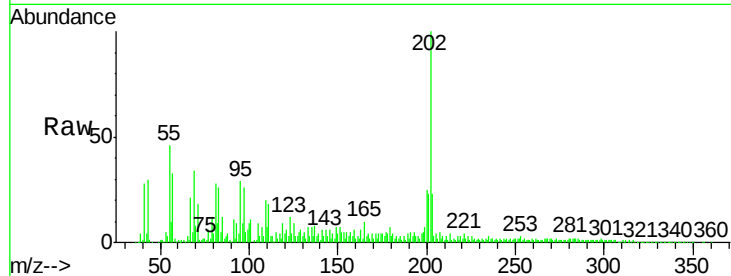
#78
Pvrene
Concen: 30.625 ng
RT: 19.76 min Scan# 2837
Delta R.T. 0.02 min
Lab File: BG046287.D
Acq: 14 Aug 2020 22:43

Instrument :
BNA_G
ClientSampleID :
VB16182

Tot Ion	Ratio	Lower	Upper
202	100		
200	25.2	19.5	29.3
203	22.9	16.2	24.2

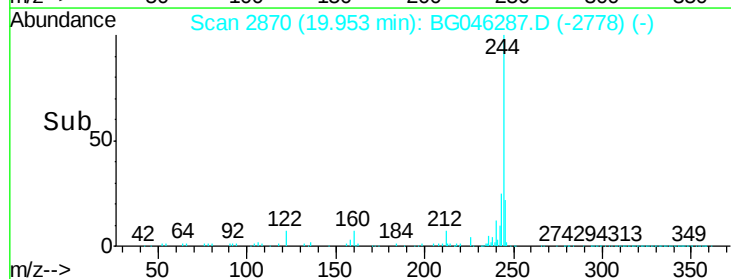
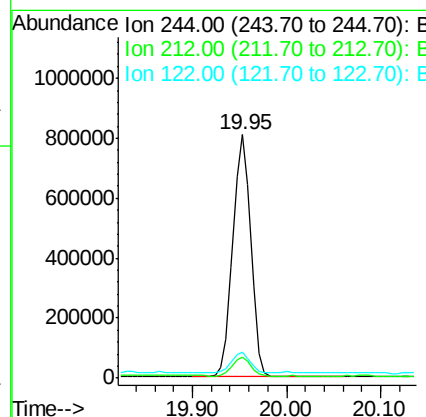
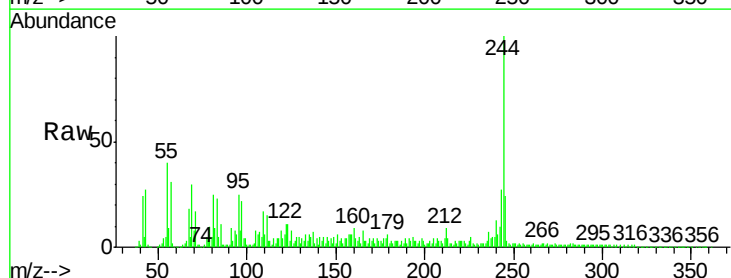
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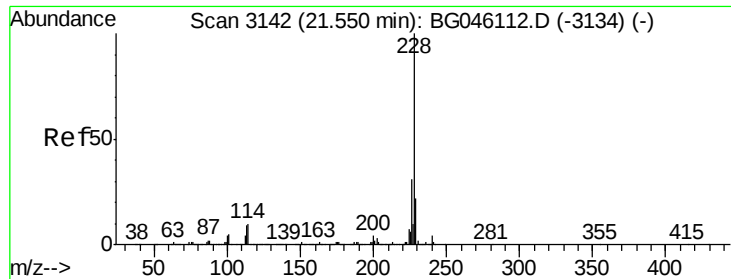
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#79
Terphenyl-d14
Concen: 40.719 ng
RT: 19.95 min Scan# 2870
Delta R.T. 0.01 min
Lab File: BG046287.D
Acq: 14 Aug 2020 22:43

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.7	7.2	10.8
122	10.6	8.3	12.5





#81

Benzo(a)anthracene

Concen: 18.596 ng

RT: 21.56 min Scan# 3143

Delta R.T. 0.01 min

Lab File: BG046287.D

Acq: 14 Aug 2020 22:43

Instrument :

BNA_G

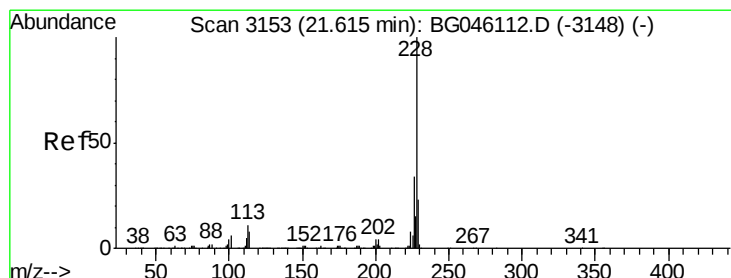
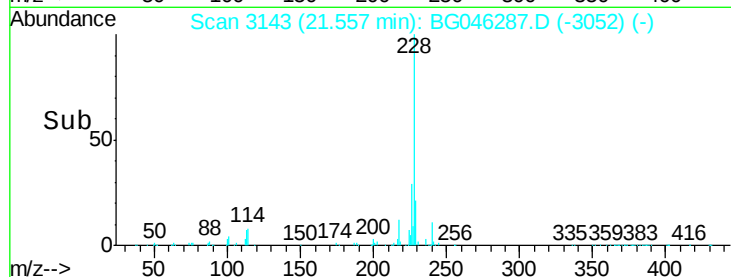
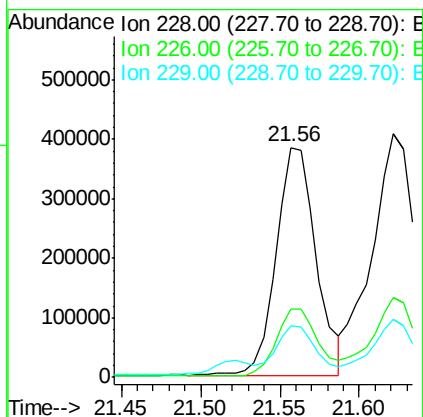
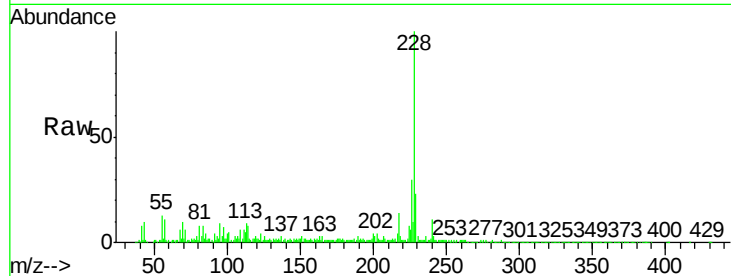
ClientSampled :

VB16182

Tot Ion:	228	Resp:	670107
Ion Ratio	Lower	Upper	
228	100		
226	29.6	24.7	37.1
229	22.7	17.8	26.8

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#83

Chrysene

Concen: 21.522 ng

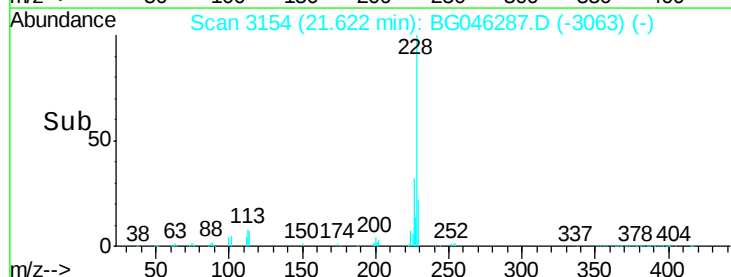
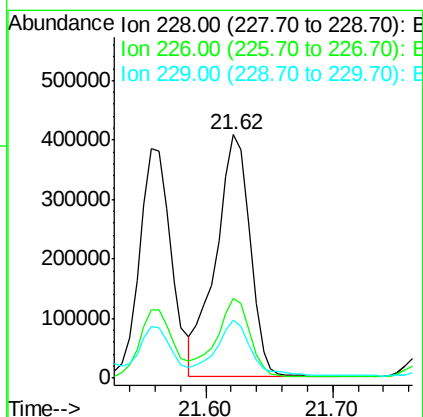
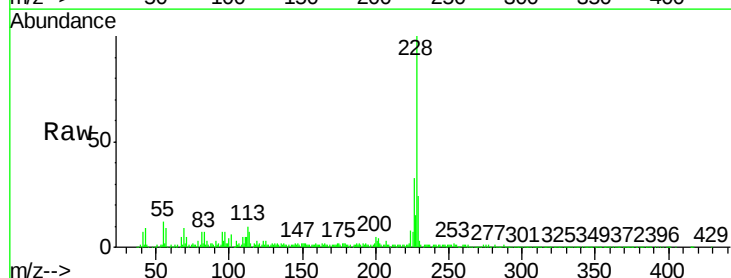
RT: 21.62 min Scan# 3154

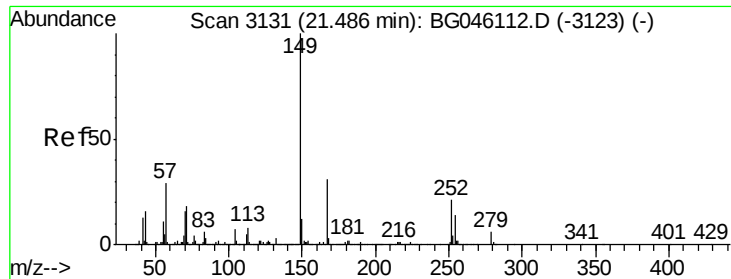
Delta R.T. 0.01 min

Lab File: BG046287.D

Acq: 14 Aug 2020 22:43

Tgt Ion:	228	Resp:	759756
Ion Ratio	Lower	Upper	
228	100		
226	32.6	26.9	40.3
229	23.7	18.2	27.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 7.443 ng

RT: 21.47 min Scan# 3129

Delta R.T. -0.01 min

Lab File: BG046287.D

Acq: 14 Aug 2020 22:43

Instrument :

BNA_G

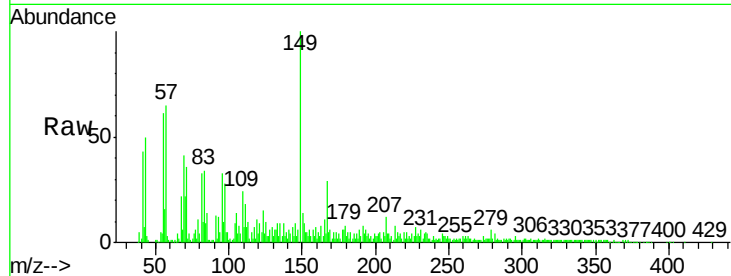
ClientSampleId :

VB16182

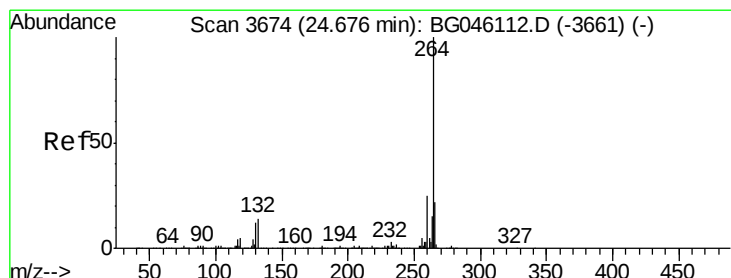
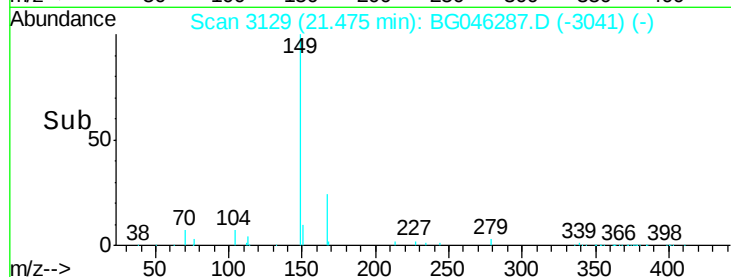
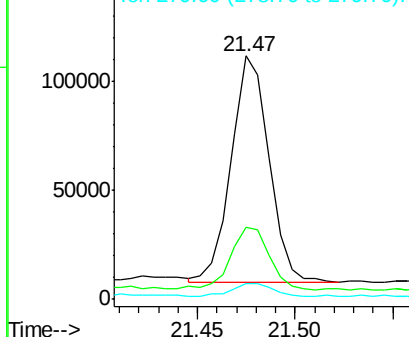
Tot Ion:	149	Resp:	139467
Ion Ratio	Lower	Upper	
149	100		
167	29.4	24.8	37.2
279	6.3	4.6	6.8

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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

Perylene-d12

Concen: 20.000 ng

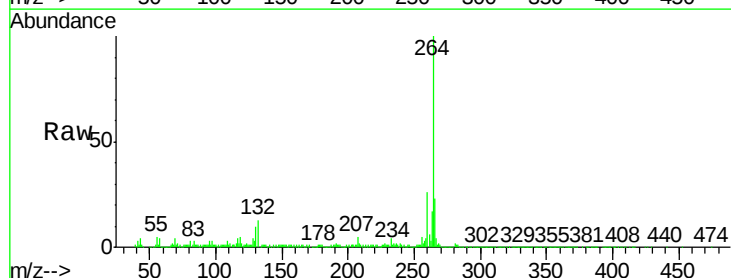
RT: 24.68 min Scan# 3675

Delta R.T. 0.01 min

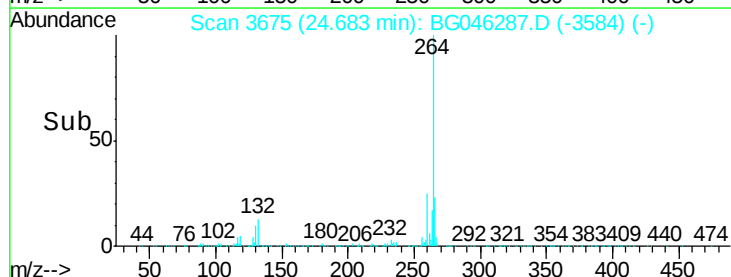
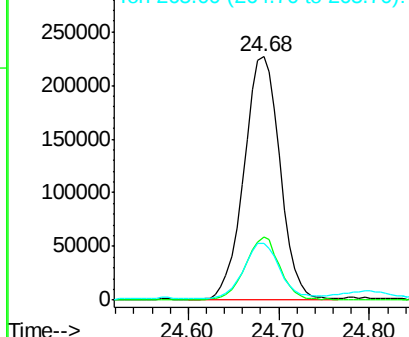
Lab File: BG046287.D

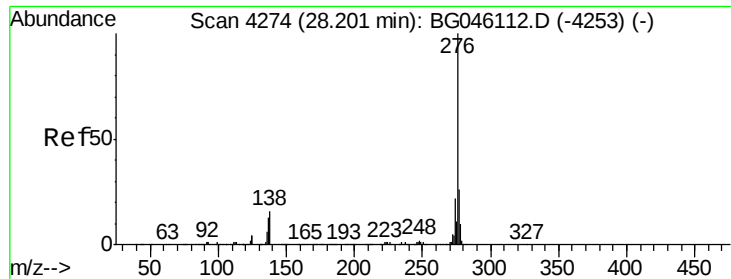
Acq: 14 Aug 2020 22:43

Tgt Ion:	264	Resp:	622280
Ion Ratio	Lower	Upper	
264	100		
260	25.8	19.7	29.5
265	23.2	17.6	26.4



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





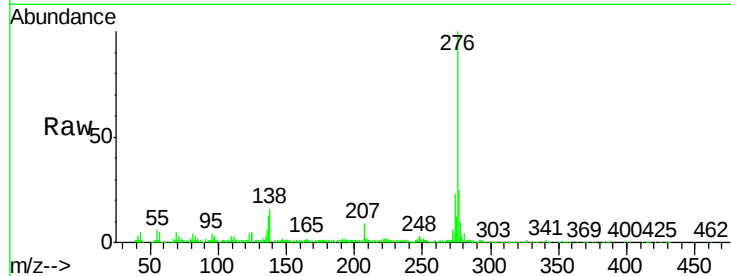
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 10.393 ng
 RT: 28.19 min Scan# 4272
 Delta R.T. -0.01 min
 Lab File: BG046287.D
 Acq: 14 Aug 2020 22:43

Instrument :
 BNA_G
 ClientSampled :
 VB16182

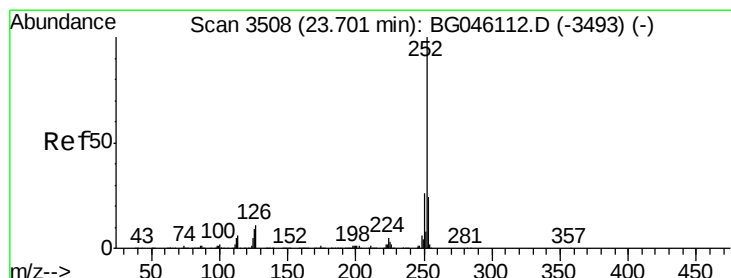
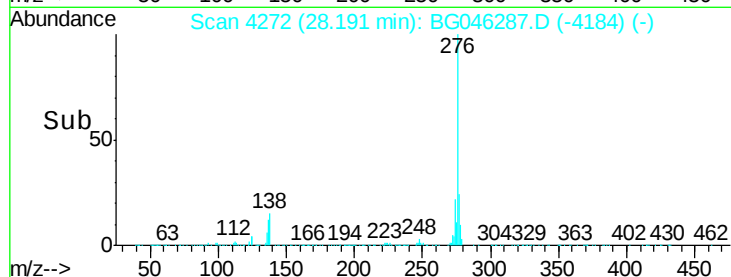
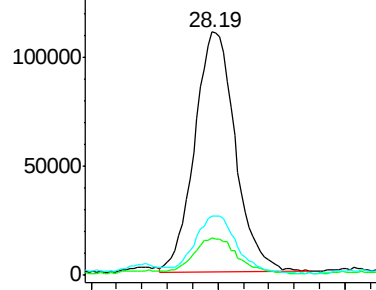
Tot Ion:	276	Resp:	493256
Ion Ratio	Lower	Upper	
276	100		
138	16.0	11.6	17.4
277	24.1	20.8	31.2

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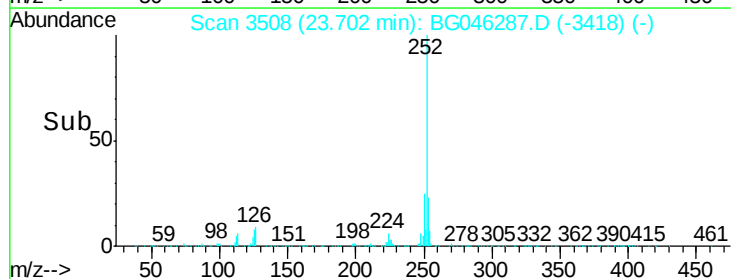
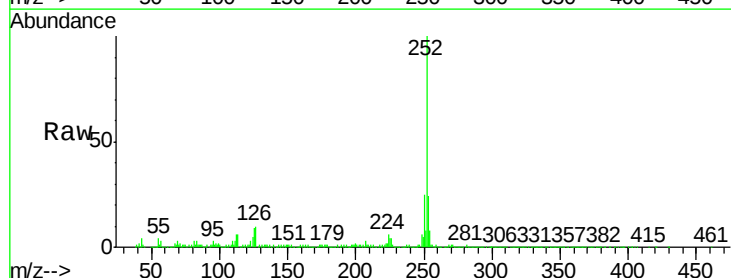
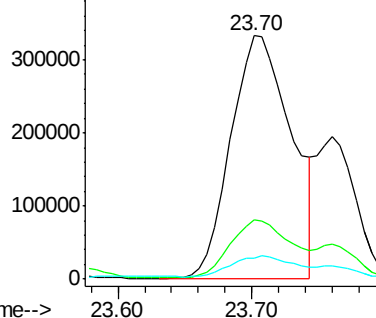
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

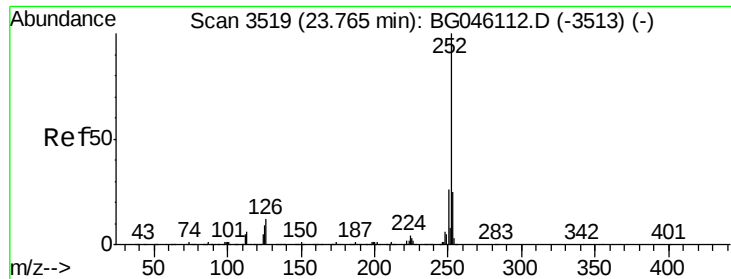


#88
 Benzo(b)fluoranthene
 Concen: 25.035 ng
 RT: 23.70 min Scan# 3508
 Delta R.T. 0.00 min
 Lab File: BG046287.D
 Acq: 14 Aug 2020 22:43

Tgt Ion:	252	Resp:	1043947
Ion Ratio	Lower	Upper	
252	100		
253	24.1	19.2	28.8
125	8.8	7.2	10.8

Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 253.00 (252.70 to 253.70): E
 Ion 125.00 (124.70 to 125.70): E





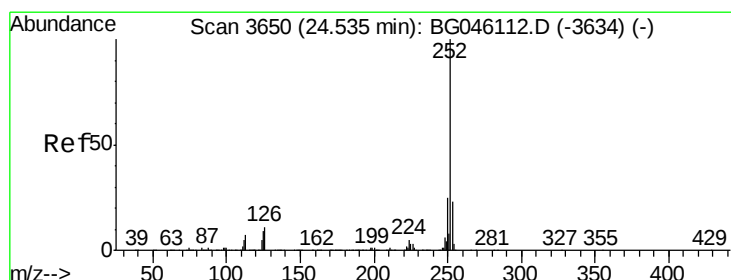
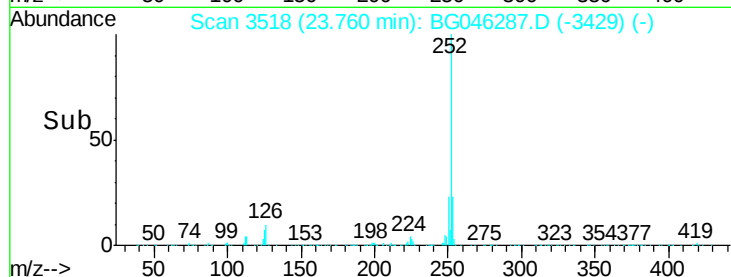
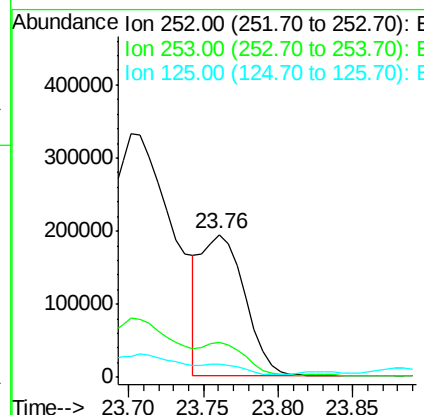
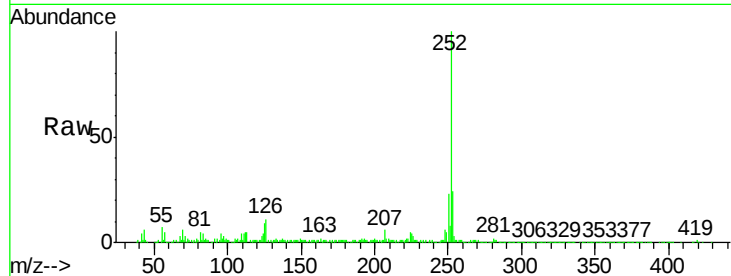
#89
Benzo(k)fluoranthene
Concen: 9.482 ng m
RT: 23.76 min Scan# 3518
Delta R.T. -0.00 min
Lab File: BG046287.D
Acq: 14 Aug 2020 22:43

Instrument :
BNA_G
ClientSampleId :
VB16182

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.5	29.3
125	8.8	7.3	10.9

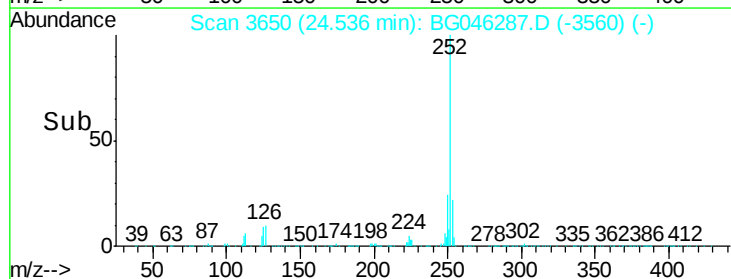
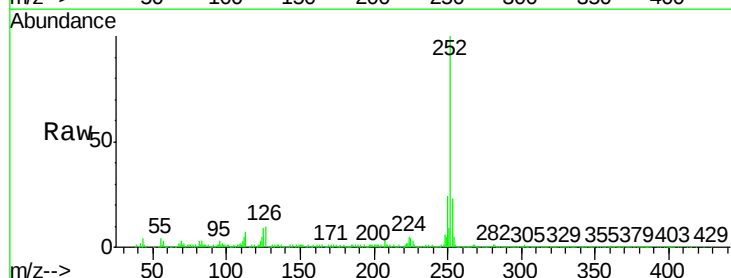
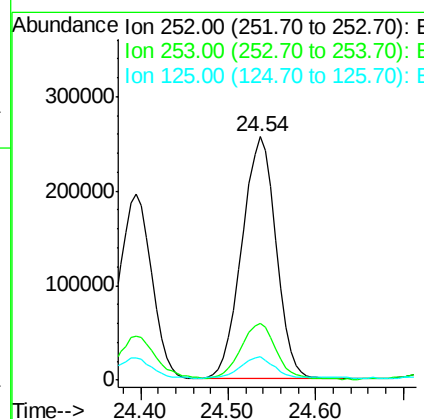
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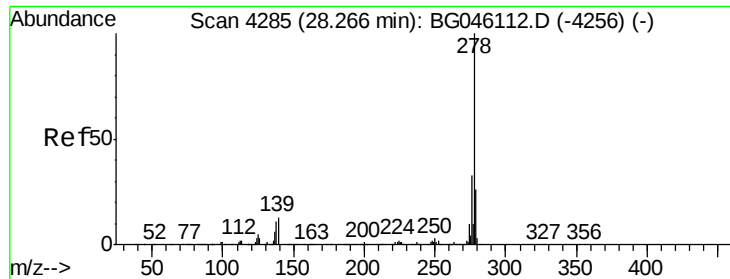
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#90
Benzo(a)pyrene
Concen: 17.507 ng
RT: 24.54 min Scan# 3650
Delta R.T. 0.00 min
Lab File: BG046287.D
Acq: 14 Aug 2020 22:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.6	27.8
125	9.5	7.1	10.7





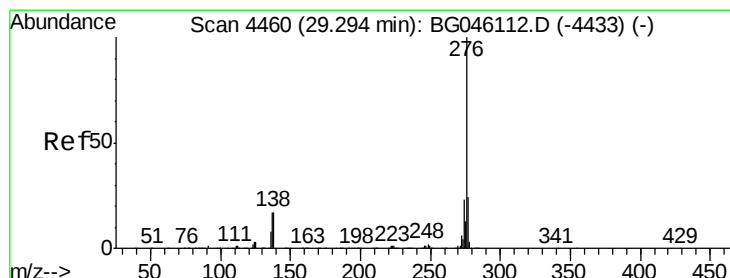
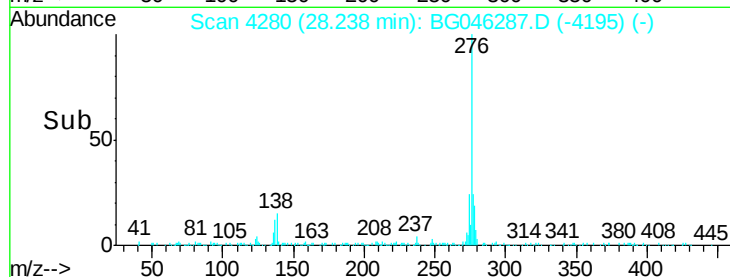
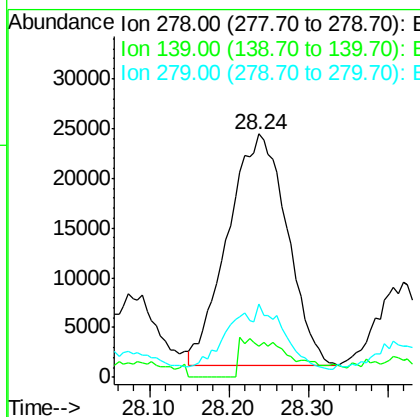
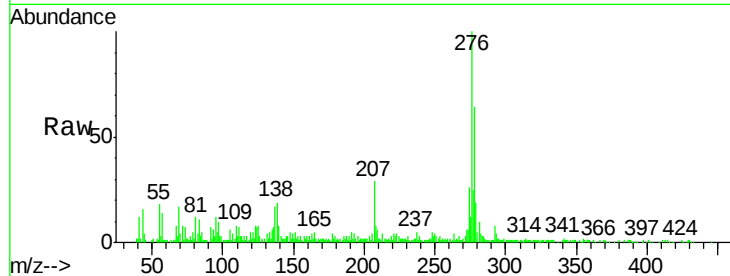
#91
Dibenzo(a,h)anthracene
Concen: 3.027 ng
RT: 28.24 min Scan# 4280
Delta R.T. -0.03 min
Lab File: BG046287.D
Acq: 14 Aug 2020 22:43

Instrument :
BNA_G
ClientSampleId :
VB16182

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.0	10.8	16.2
279	30.1	20.5	30.7

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#92
Benzo(g,h,i)perylene
Concen: 11.691 ng
RT: 29.29 min Scan# 4459
Delta R.T. -0.00 min
Lab File: BG046287.D
Acq: 14 Aug 2020 22:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.5	29.3
138	17.5	13.8	20.6

