

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052820\
 Data File : BG045513.D
 Acq On : 29 May 2020 5:06
 Operator : CG/JU
 Sample : L2757-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AP3

Manual Integrations
 APPROVED

mohammad
 5/29/2020 10:27:15 PM

Quant Time: May 29 06:51:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 13:15:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	78621	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	407073	20.00	ng	0.01
39) Acenaphthene-d10	14.62	164	222853	20.00	ng	0.02
64) Phenanthrene-d10	17.37	188	431194	20.00	ng	0.02
76) Chrysene-d12	21.61	240	412739	20.00	ng	0.00
87) Perylene-d12	24.76	264	457788	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	577388	143.52	ng	0.01
7) Phenol-d6	7.21	99	731907	127.82	ng	0.05
23) Nitrobenzene-d5	9.13	82	997563m	133.63	ng	0.01
42) 2,4,6-Tribromophenol	16.13	330	432364	151.70	ng	0.03
45) 2-Fluorobiphenyl	13.25	172	1392562	105.99	ng	0.03
79) Terphenyl-d14	19.97	244	1940627	109.66	ng	0.00
Target Compounds						
3) Pyridine	3.83	79	19707	3.547	ng	96
10) Phenol	7.24	94	2589897	438.867	ng	93
17) 2-Methylphenol	8.50	107	3095681	700.841	ng	94
20) 3+4-Methylphenols	8.86	107	6258998	1040.576	ng	85
27) 2,4-Dimethylphenol	10.04	122	4211492	829.945	ng	99
31) Naphthalene	10.83	128	258834	13.645	ng	97
37) 2-Methylnaphthalene	12.44	142	92000	6.507	ng	94
38) 1-Methylnaphthalene	12.66	142	62724	4.696	ng #	96

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

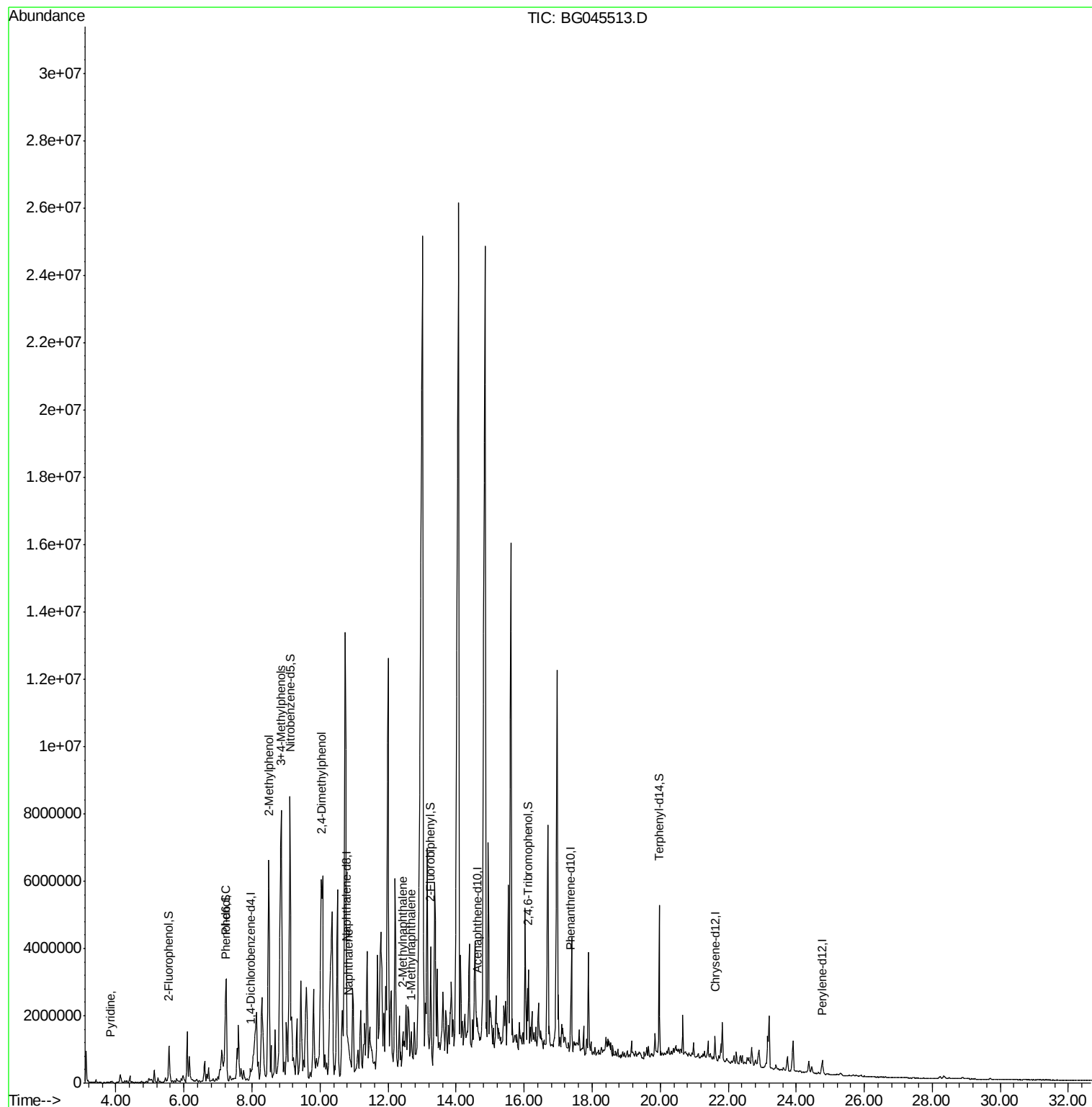
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052820\
Data File : BG045513.D
Acq On : 29 May 2020 5:06
Operator : CG/JU
Sample : L2757-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

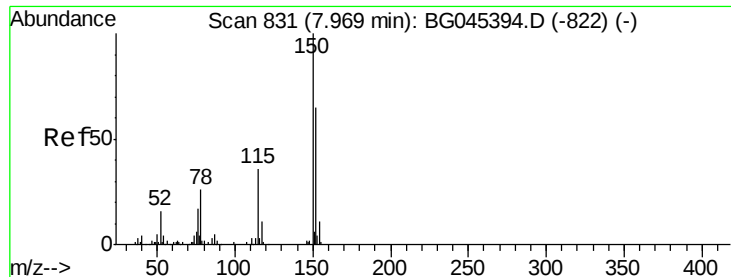
Instrument :
BNA_G
ClientSampleId :
C0AP3

Manual Integrations
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#1

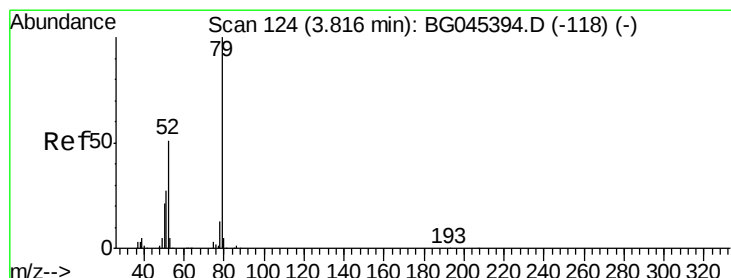
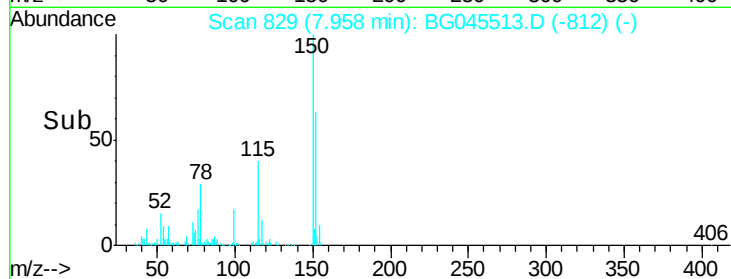
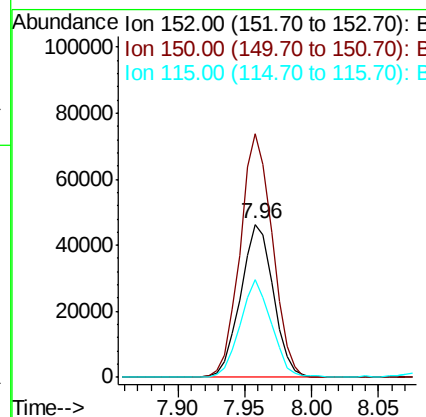
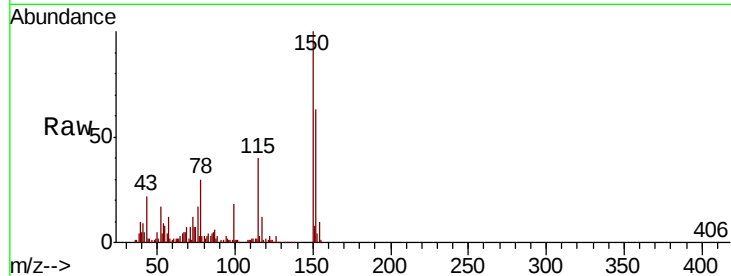
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 829
Delta R.T. -0.00 min
Lab File: BG045513.D
Acq: 29 May 2020 5:06

Instrument :
BNA_G
ClientSampleId :
C0AP3

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	122.4	183.6
115	64.0	44.2	66.4

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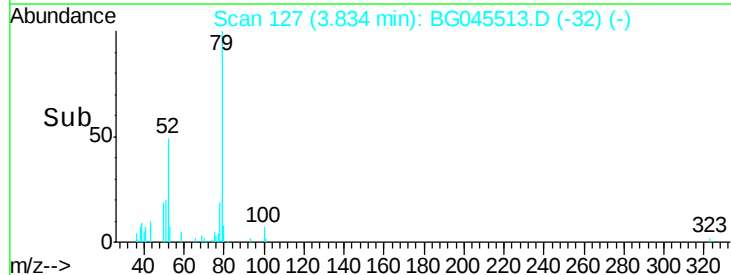
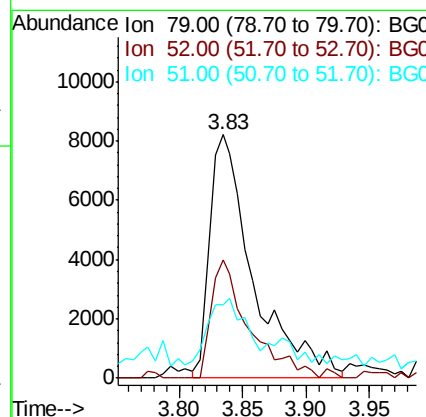
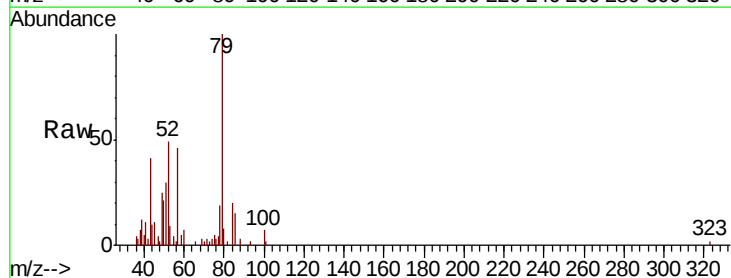
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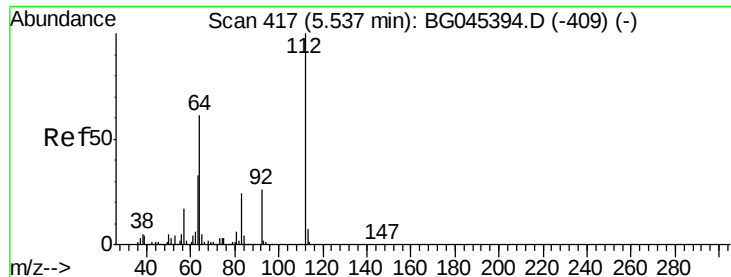


#3

Pyridine
Concen: 3.547 ng
RT: 3.83 min Scan# 127
Delta R.T. 0.03 min
Lab File: BG045513.D
Acq: 29 May 2020 5:06

Tgt Ion	Ratio	Lower	Upper
79	100		
52	48.5	40.8	61.2
51	30.1	21.9	32.9





#5

2-Fluorophenol

Concen: 143.522 ng

RT: 5.56 min Scan# 421

Delta R.T. 0.01 min

Lab File: BG045513.D

Acq: 29 May 2020 5:06

Instrument :

BNA_G

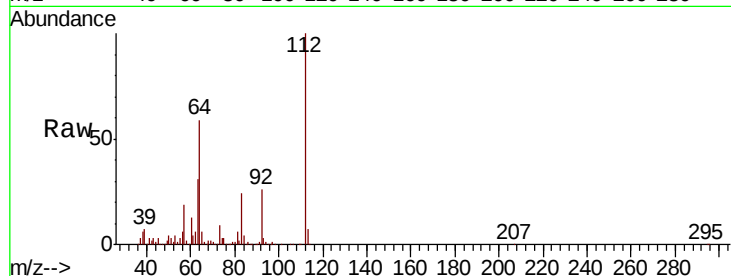
ClientSampleId :

C0AP3

Tot Ion:	112	Resp:	577388
Ion Ratio	Lower	Upper	
112	100		
64	59.0	48.6	72.8
63	31.4	26.5	39.7

Manual Integrations
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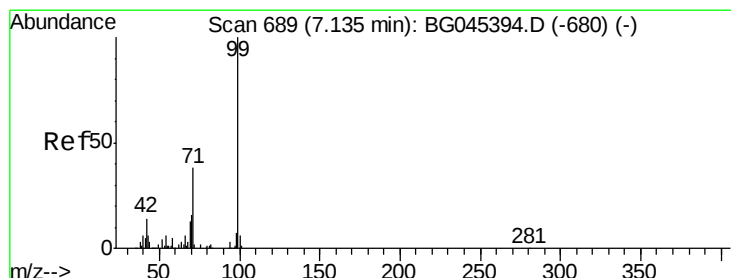
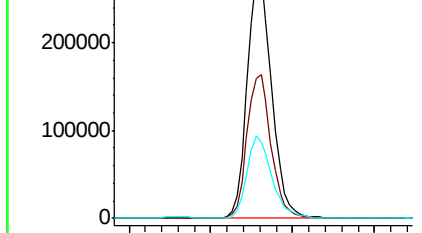
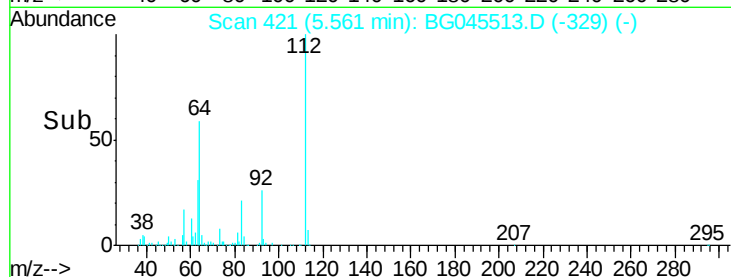


Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Time-->



#7

Phenol-d6

Concen: 127.824 ng

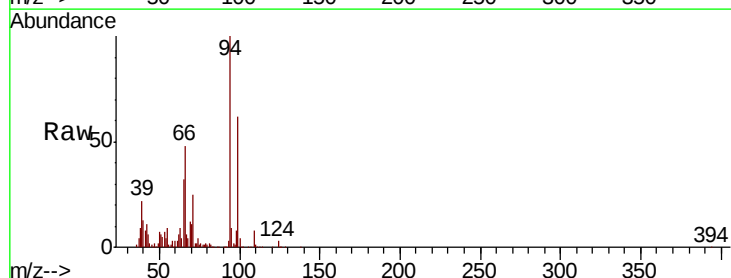
RT: 7.21 min Scan# 702

Delta R.T. 0.05 min

Lab File: BG045513.D

Acq: 29 May 2020 5:06

Tgt Ion:	99	Resp:	731907
Ion Ratio	Lower	Upper	
99	100		
42	17.6	11.3	16.9#
71	39.7	30.8	46.2

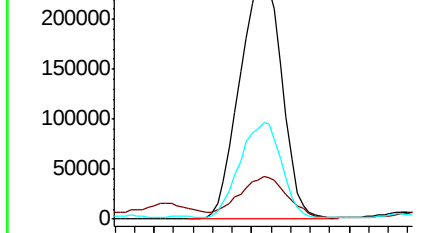
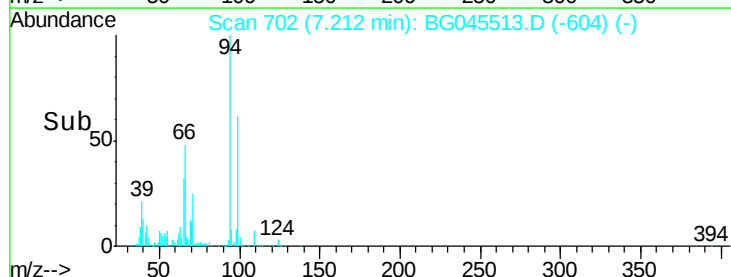


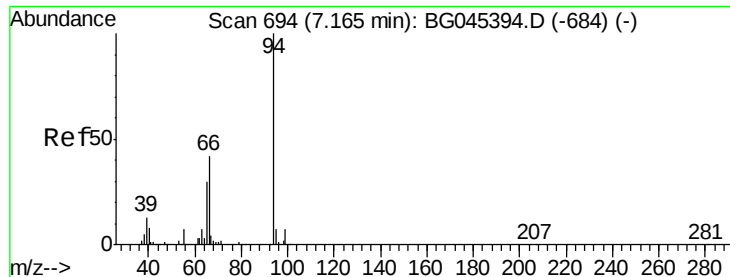
Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

Time-->





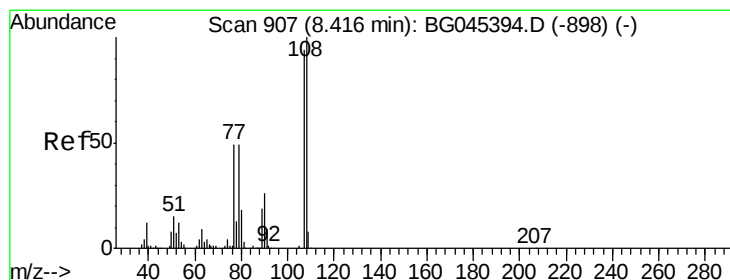
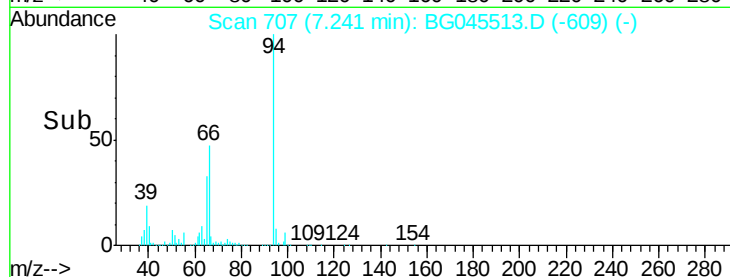
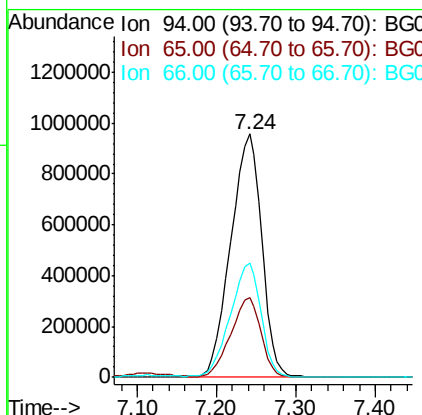
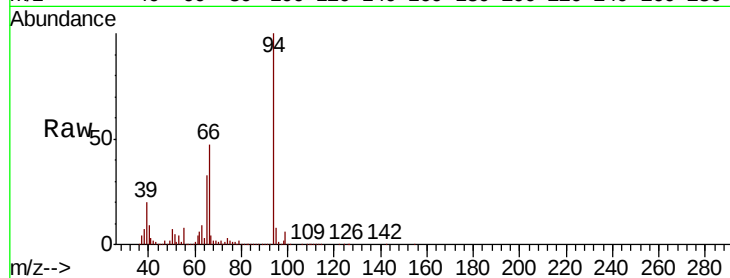
#10
Phenol
Concen: 438.867 ng
RT: 7.24 min Scan# 707
Delta R.T. 0.05 min
Lab File: BG045513.D
Acq: 29 May 2020 5:06

Instrument :
BNA_G
ClientSampleId :
C0AP3

Tot Ion	Ion	Ratio	Lower	Upper
94	100			
65	32.7	9.8	49.8	
66	47.1	22.0	62.0	

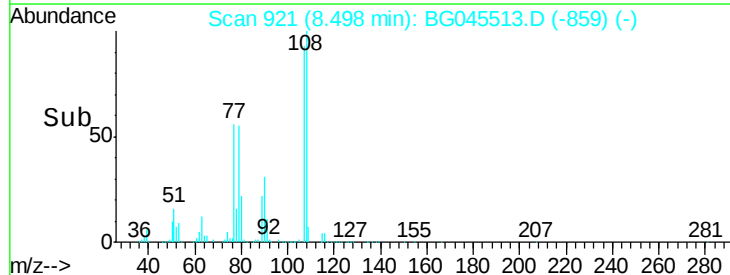
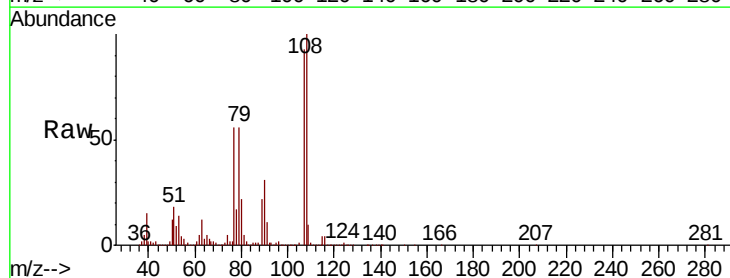
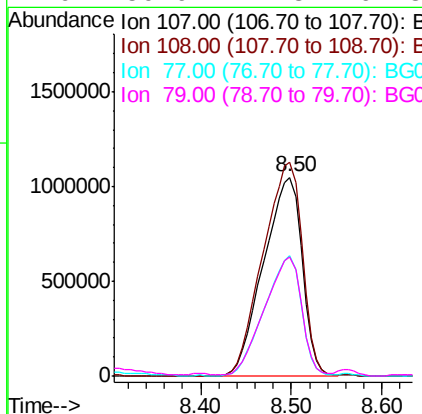
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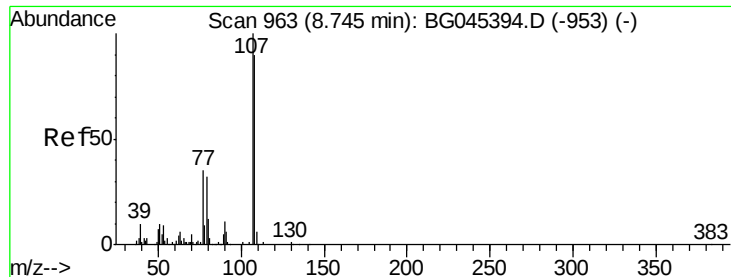
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#17
2-Methylphenol
Concen: 700.841 ng
RT: 8.50 min Scan# 921
Delta R.T. 0.06 min
Lab File: BG045513.D
Acq: 29 May 2020 5:06

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	107.6	85.2	127.8	
77	60.4	41.6	62.4	
79	59.9	41.8	62.8	





#20

3+4-Methylphenols

Concen: 1040.576 ng

RT: 8.86 min Scan# 982

Delta R.T. 0.09 min

Lab File: BG045513.D

Acq: 29 May 2020 5:06

Instrument :

BNA_G

ClientSampleId :

C0AP3

Tot Ion:107 Resp: 6258998

Ion Ratio Lower Upper

107 100

108 94.6 70.3 110.3

77 52.0 15.4 55.4

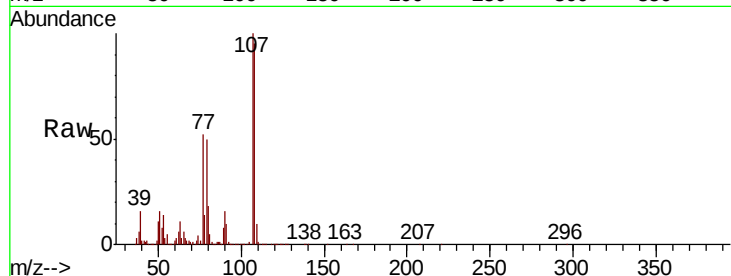
79 49.7 12.6 52.6

Manual Integrations

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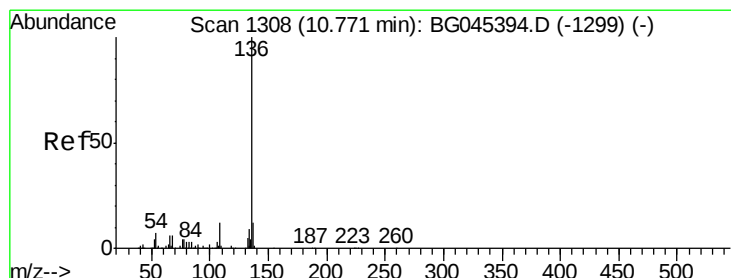
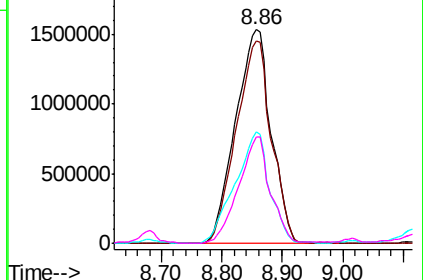
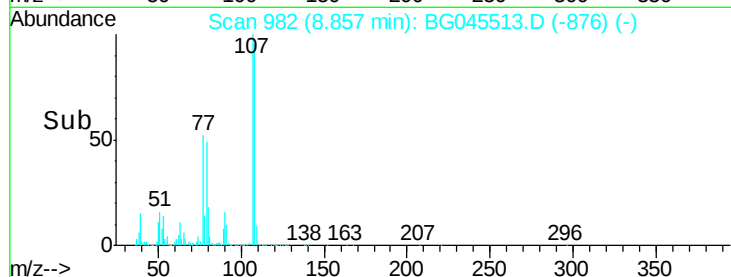


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.78 min Scan# 1309

Delta R.T. 0.01 min

Lab File: BG045513.D

Acq: 29 May 2020 5:06

Tgt Ion:136 Resp: 407073

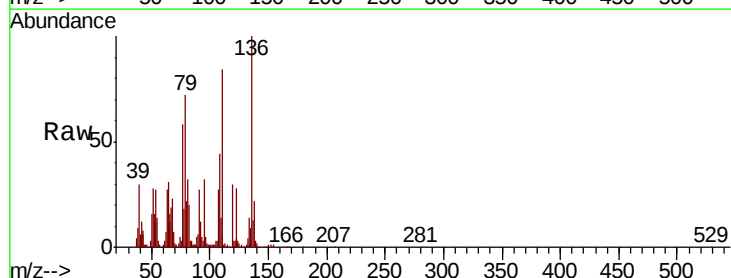
Ion Ratio Lower Upper

136 100

137 13.5 9.4 14.2

54 12.2 5.8 8.6#

68 23.2 4.5 6.7#

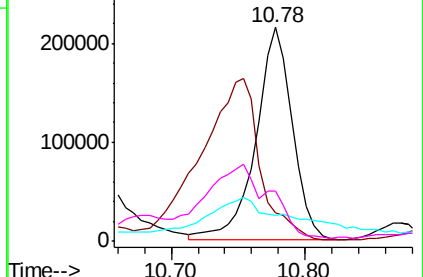
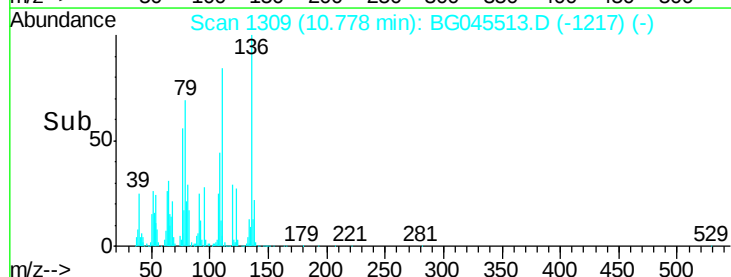


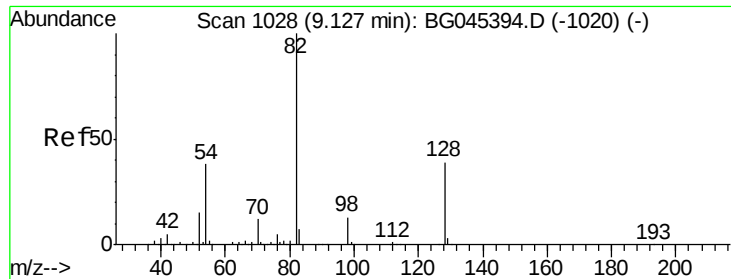
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC





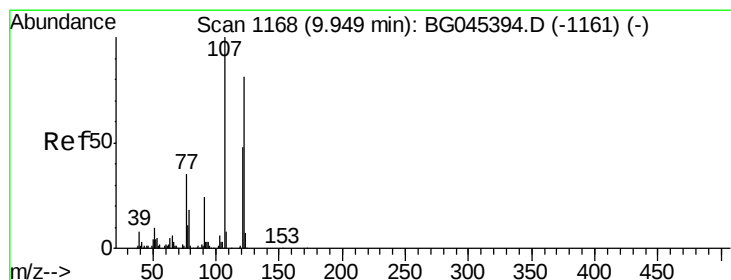
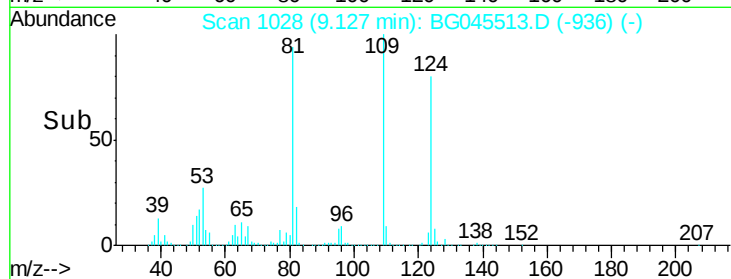
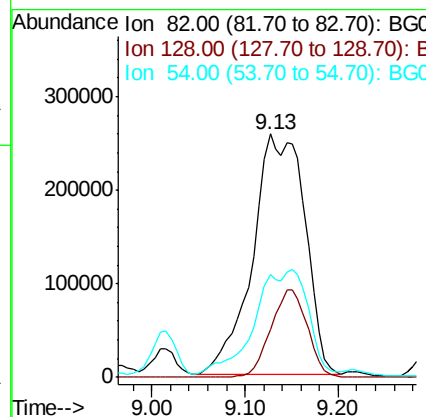
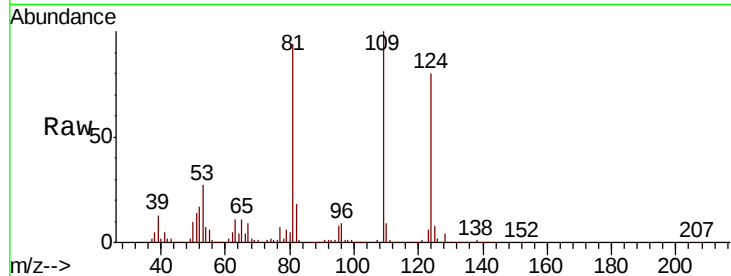
#23
 Nitrobenzene-d5
 Concen: 133.634 ng/ml
 RT: 9.13 min Scan# 1028
 Delta R.T. 0.01 min
 Lab File: BG045513.D
 Acq: 29 May 2020 5:06

Instrument :
 BNA_G
 ClientSampleId :
 C0AP3

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	19.9	30.9	46.3	
54	42.0	30.3	45.5	

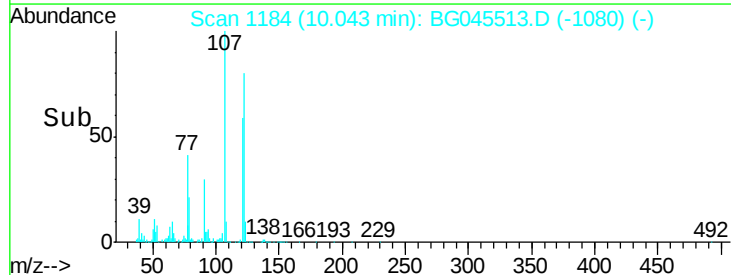
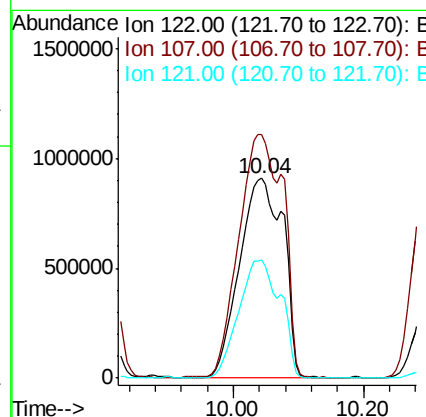
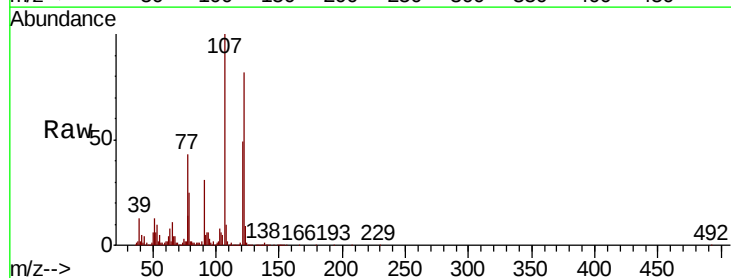
Manual Integrations
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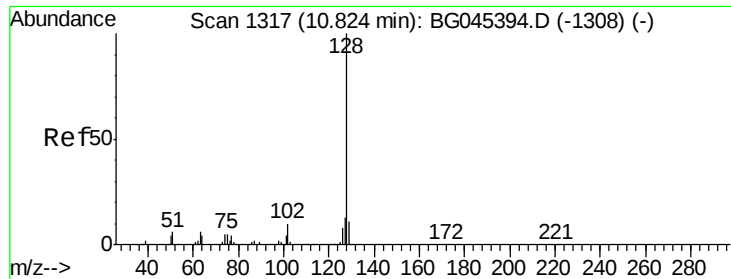
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#27
 2,4-Dimethylphenol
 Concen: 829.945 ng/ml
 RT: 10.04 min Scan# 1184
 Delta R.T. 0.08 min
 Lab File: BG045513.D
 Acq: 29 May 2020 5:06

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
107	121.8	99.0	148.4	
121	59.1	47.7	71.5	





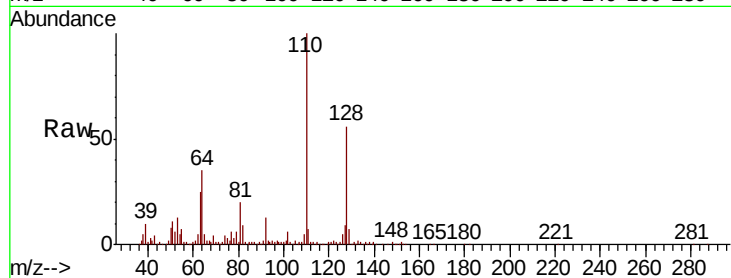
#31
Naphthalene
Concen: 13.645 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.02 min
Lab File: BG045513.D
Acq: 29 May 2020 5:06

Instrument :
BNA_G
ClientSampleId :
C0AP3

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.0	13.6
127	15.1	10.7	16.1

Manual Integrations
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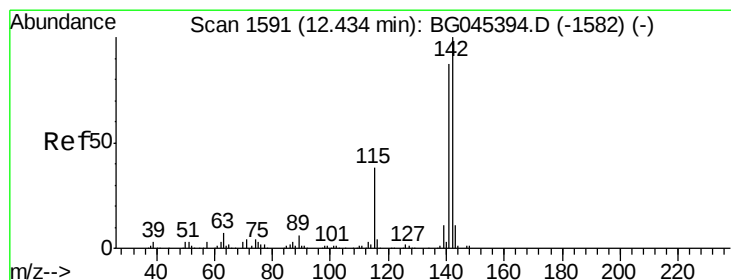
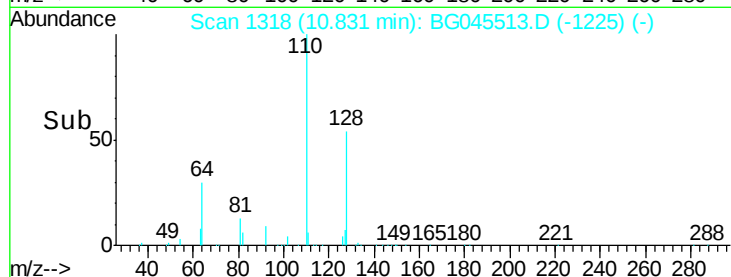
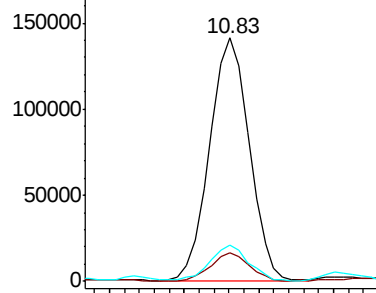


Abundance

Ion 128.00 (127.70 to 128.70): E

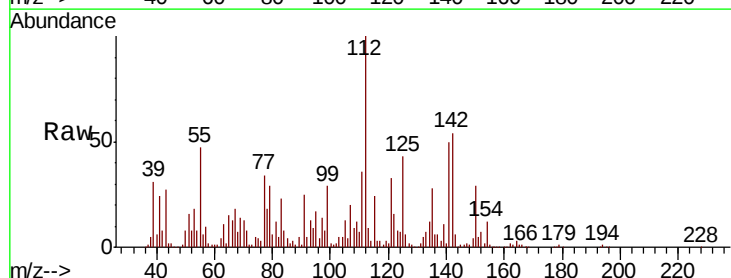
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37
2-Methylnaphthalene
Concen: 6.507 ng
RT: 12.44 min Scan# 1592
Delta R.T. 0.02 min
Lab File: BG045513.D
Acq: 29 May 2020 5:06

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.8	70.0	105.0
115	43.6	30.8	46.2

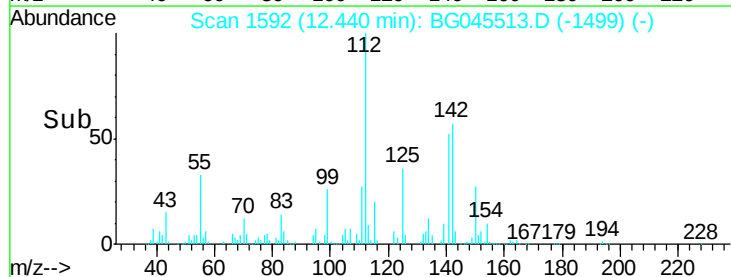
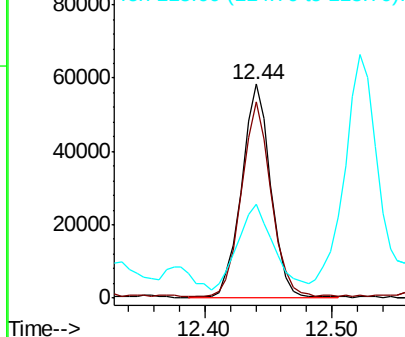


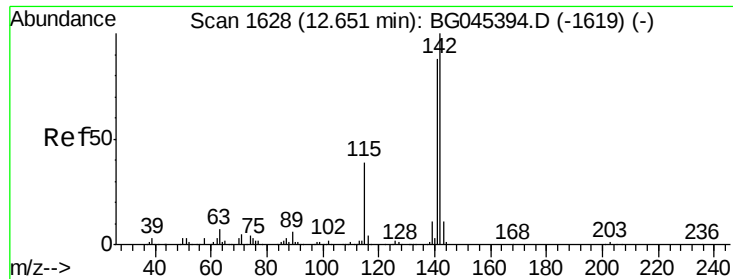
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





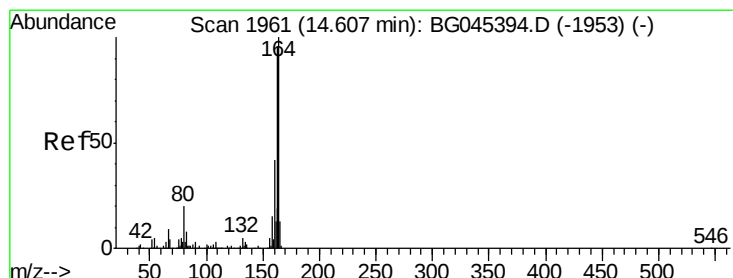
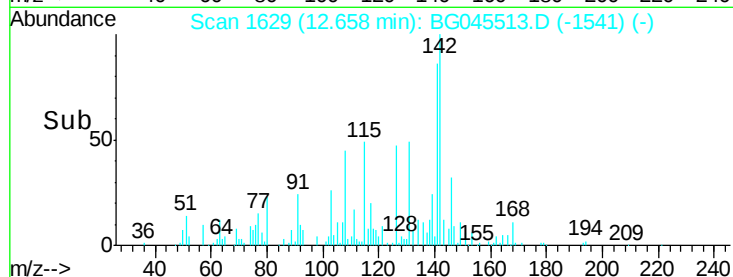
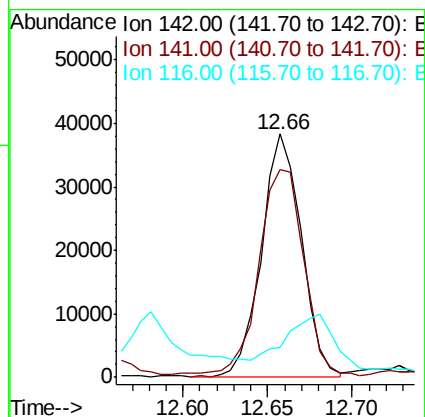
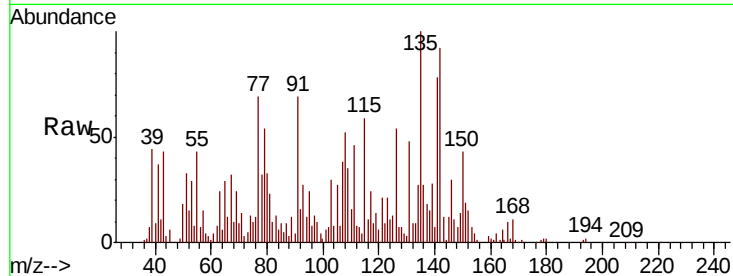
#38
1-Methylnaphthalene
Concen: 4.696 ng
RT: 12.66 min Scan# 1629
Delta R.T. 0.02 min
Lab File: BG045513.D
Acq: 29 May 2020 5:06

Instrument :
BNA_G
ClientSampled :
C0AP3

Tot Ion	Ratio	Lower	Upper
142	100		
141	85.2	70.8	106.2
116	12.2	3.0	4.6#

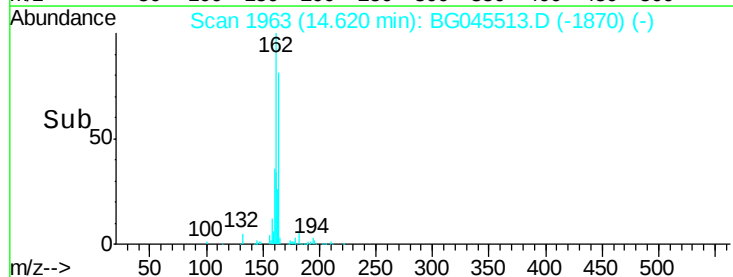
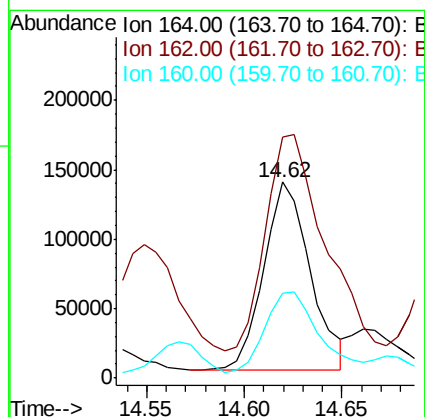
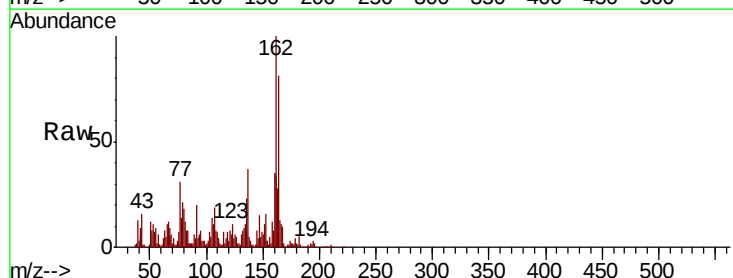
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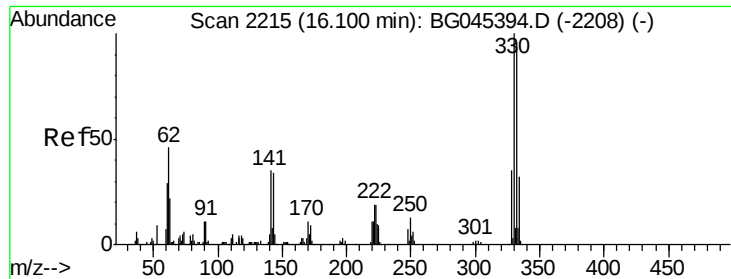
mohammad
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.62 min Scan# 1963
Delta R.T. 0.02 min
Lab File: BG045513.D
Acq: 29 May 2020 5:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	122.9	76.9	115.3#
160	43.6	33.8	50.8





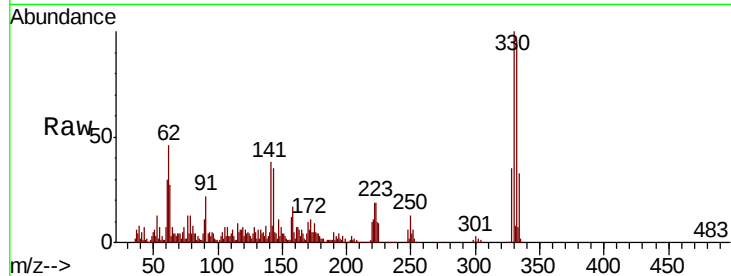
#42
 2,4,6-Tribromophenol
 Concen: 151.705 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. 0.03 min
 Lab File: BG045513.D
 Acq: 29 May 2020 5:06

Instrument :
 BNA_G
 ClientSampleId :
 C0AP3

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.0	78.2	117.4
141	39.2	28.2	42.4

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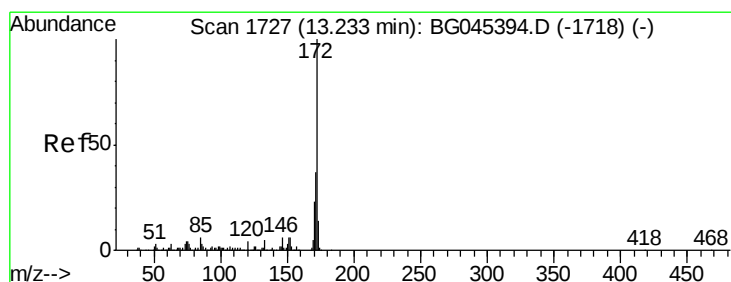
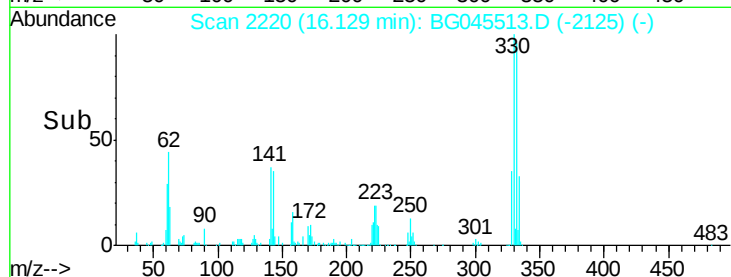
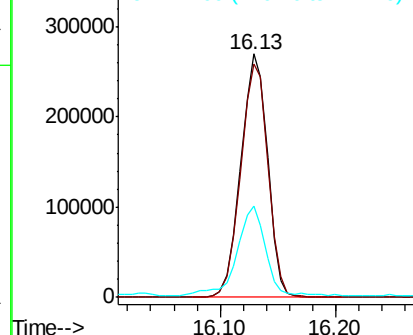


Abundance

Ion 329.80 (329.50 to 330.50): E

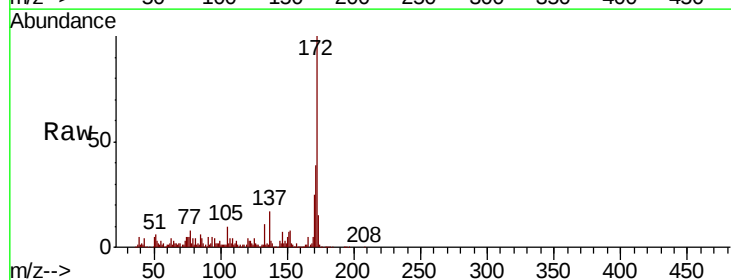
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 105.992 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. 0.03 min
 Lab File: BG045513.D
 Acq: 29 May 2020 5:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.5	29.5	44.3
170	25.2	18.5	27.7

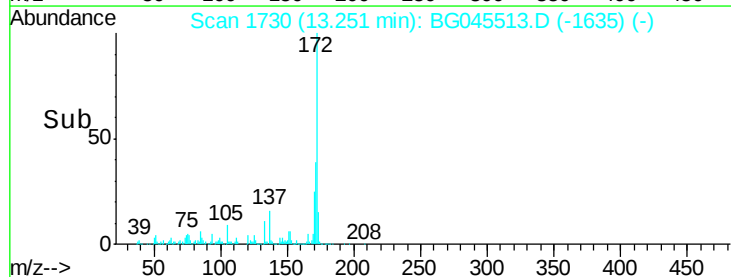
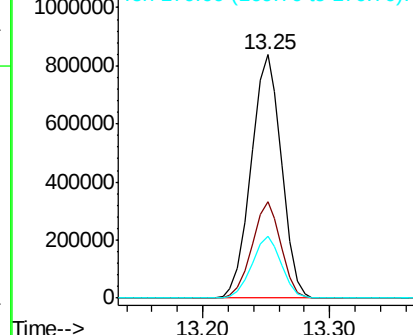


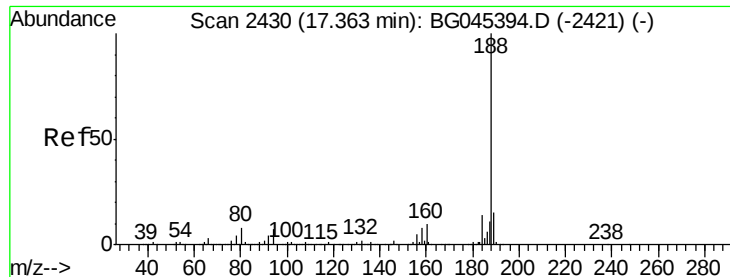
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2431

Delta R.T. 0.02 min

Lab File: BG045513.D

Acq: 29 May 2020 5:06

Instrument :

BNA_G

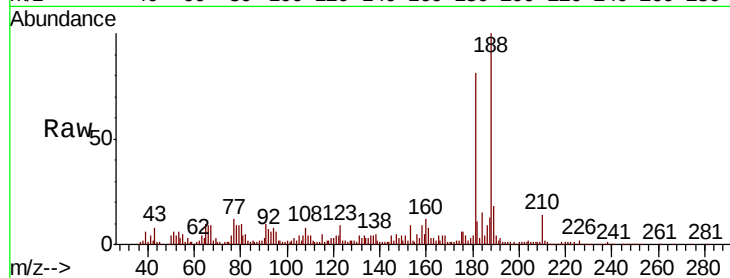
ClientSampleId :

C0AP3

Tot Ion:	188	Resp:	431194
Ion Ratio	Lower	Upper	
188	100		
94	7.8	5.5	8.3
80	10.0	6.6	10.0#

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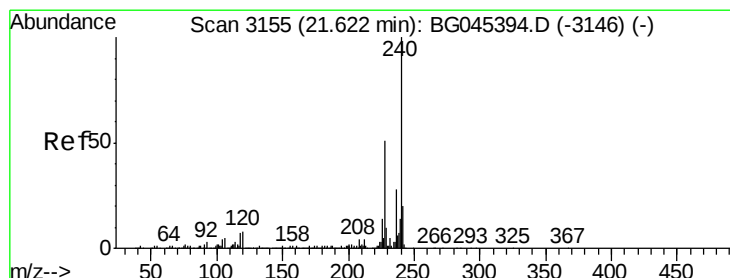
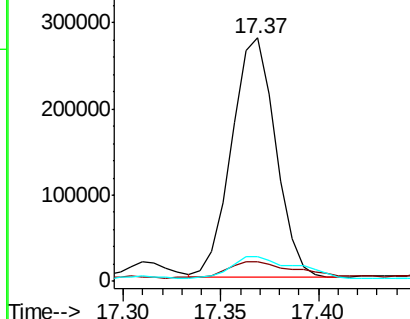
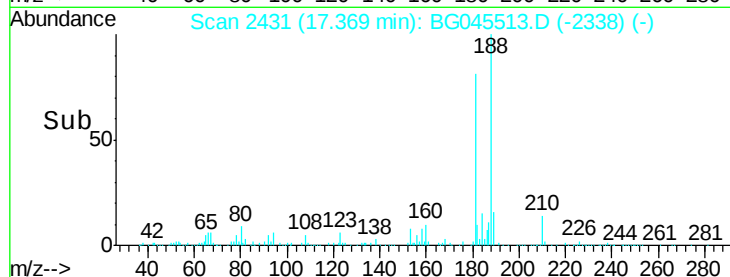


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

Time-->



#76

Chrysene-d12

Concen: 20.000 ng

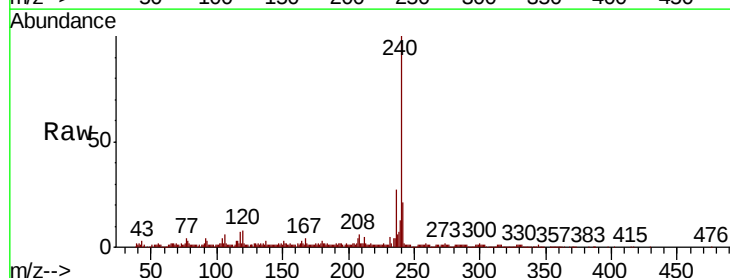
RT: 21.61 min Scan# 3153

Delta R.T. -0.00 min

Lab File: BG045513.D

Acq: 29 May 2020 5:06

Tgt Ion:	240	Resp:	412739
Ion Ratio	Lower	Upper	
240	100		
120	7.6	6.1	9.1
236	26.7	22.3	33.5

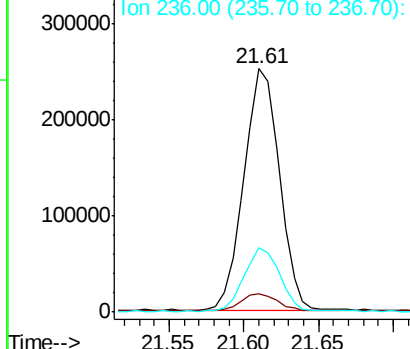
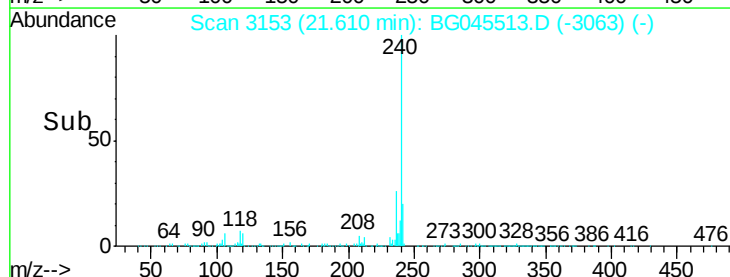


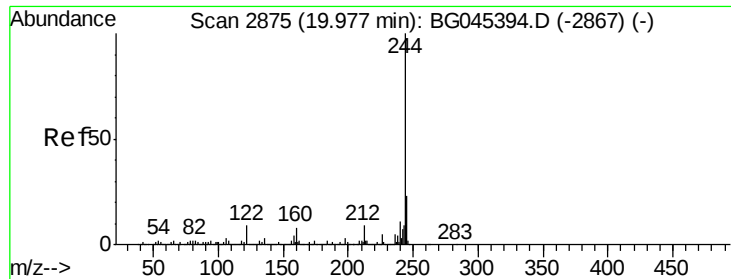
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

Time-->





#79

Terphenyl-d14

Concen: 109.661 ng

RT: 19.97 min Scan# 2874

Delta R.T. 0.01 min

Lab File: BG045513.D

Acq: 29 May 2020 5:06

Instrument :

BNA_G

ClientSampleId :

C0AP3

Tot Ion:244 Resp: 1940627

Ion Ratio Lower Upper

244 100

212 10.0 7.4 11.0

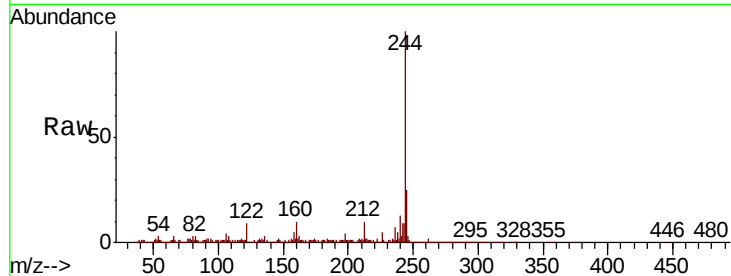
122 9.2 6.8 10.2

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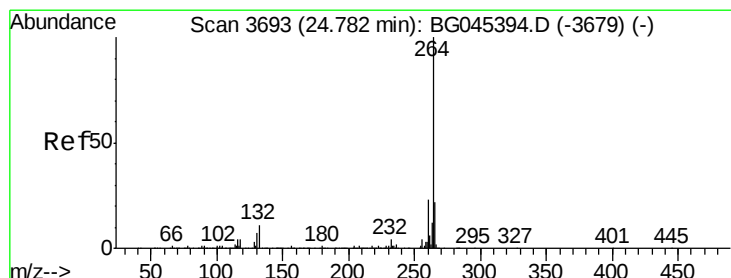
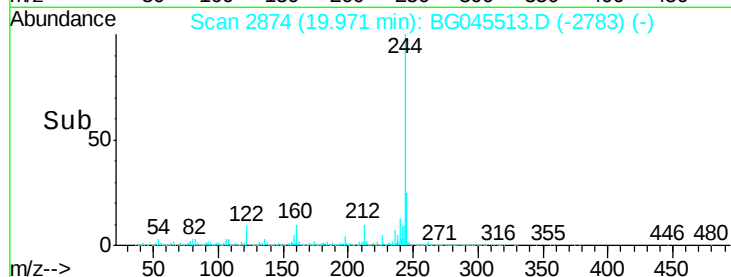
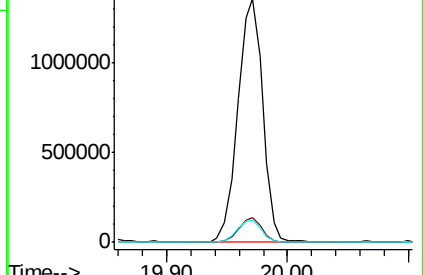
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.76 min Scan# 3690

Delta R.T. 0.01 min

Lab File: BG045513.D

Acq: 29 May 2020 5:06

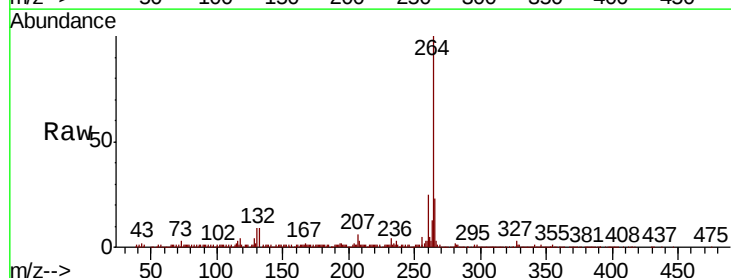
Tgt Ion:264 Resp: 457788

Ion Ratio Lower Upper

264 100

260 25.0 18.2 27.4

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

