

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060320\
 Data File : BG045602.D
 Acq On : 4 Jun 2020 7:45
 Operator : CG/JU
 Sample : L2840-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TOTE-OIL

Quant Time: Jun 04 08:26:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 01 15:07:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	65196	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	247656	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	170506	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	399279	20.00	ng	0.00
76) Chrysene-d12	21.60	240	381113	20.00	ng	0.00
87) Perylene-d12	24.75	264	421540	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	481883	144.45	ng	0.01
7) Phenol-d6	7.16	99	603210	127.04	ng	0.01
23) Nitrobenzene-d5	9.11	82	502600	110.67	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	363423	166.66	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1104989	109.93	ng	0.00
79) Terphenyl-d14	19.96	244	1743169	106.68	ng	0.00

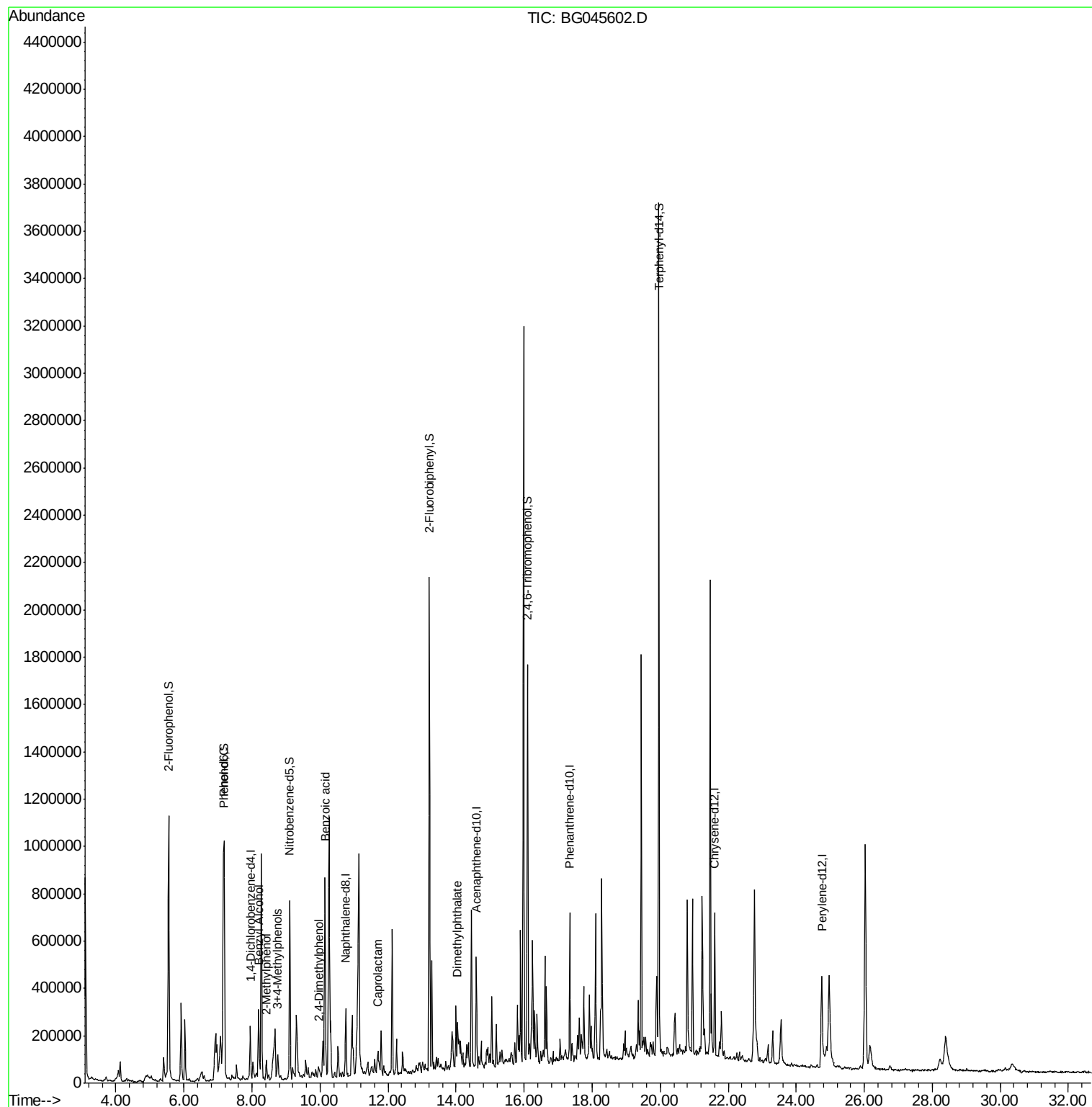
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.18	94	568337	116.138	ng	97
15) Benzyl Alcohol	8.20	79	110937	28.283	ng	97
17) 2-Methylphenol	8.42	107	30269	8.264	ng	93
20) 3+4-Methylphenols	8.75	107	51352	10.295	ng	91
27) 2,4-Dimethylphenol	9.96	122	19058	6.173	ng	92
32) Benzoic acid	10.14	122	23487	18.873	ng	# 77
35) Caprolactam	11.70	113	19505	14.576	ng	89
50) Dimethylphthalate	14.04	163	122331	10.459	ng	99

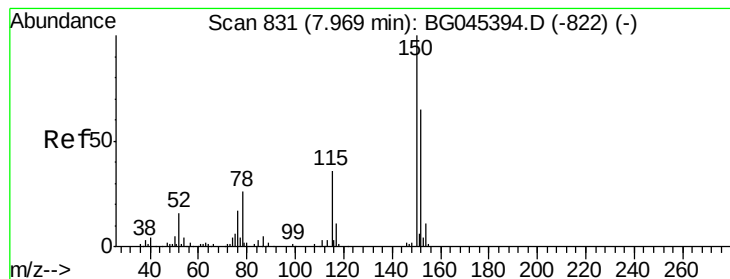
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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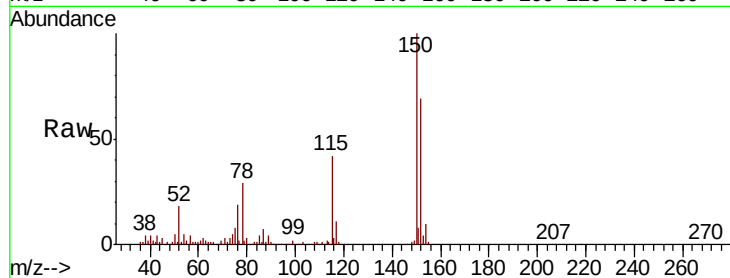


#1

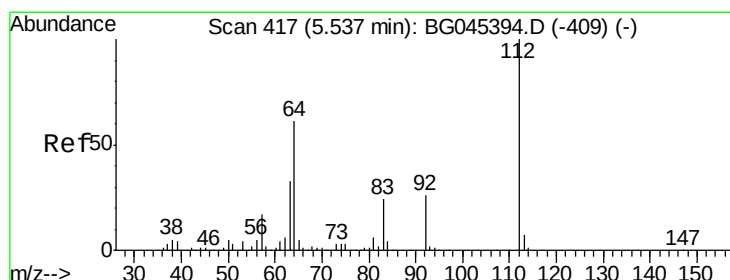
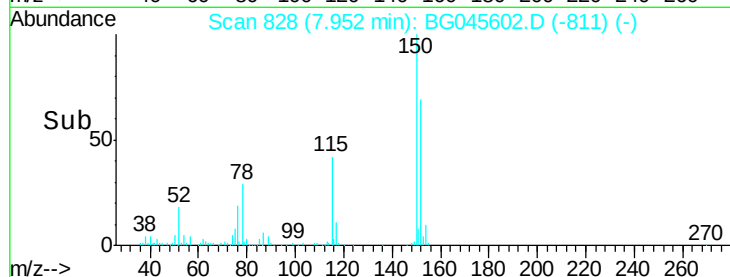
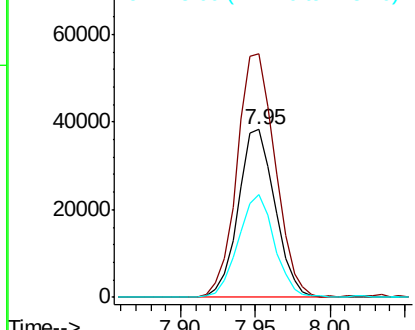
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. 0.00 min
Lab File: BG045602.D
Acq: 4 Jun 2020 7:45

Instrument :
BNA_G
ClientSampleId :
TOTE-OIL

Tot Ion:152 Resp: 65196
Ion Ratio Lower Upper
152 100
150 145.1 122.4 183.6
115 61.1 44.2 66.4



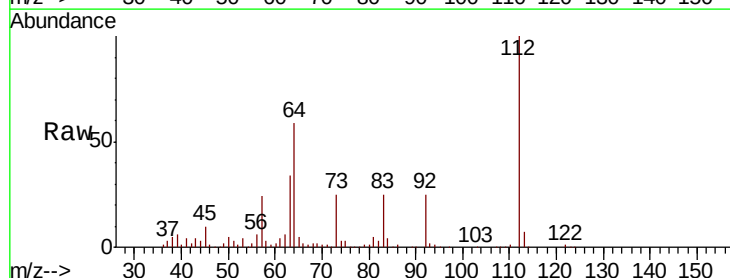
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



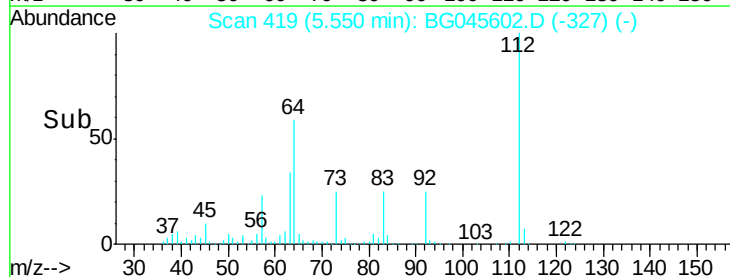
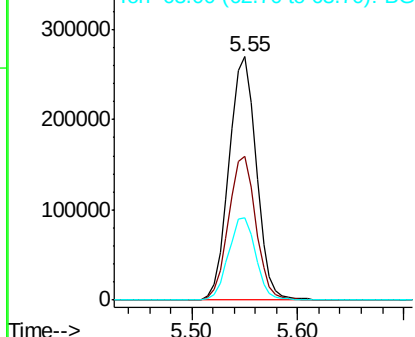
#5

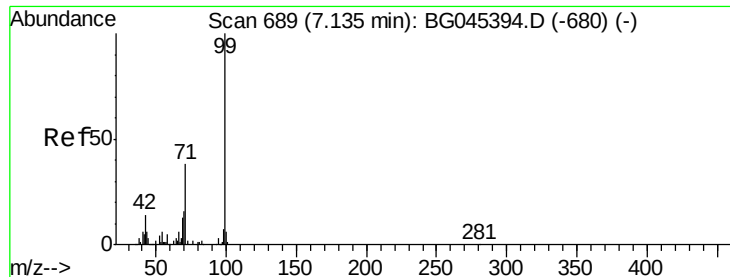
2-Fluorophenol
Concen: 144.448 ng
RT: 5.55 min Scan# 419
Delta R.T. 0.01 min
Lab File: BG045602.D
Acq: 4 Jun 2020 7:45

Tgt Ion:112 Resp: 481883
Ion Ratio Lower Upper
112 100
64 59.0 48.6 72.8
63 33.6 26.5 39.7



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





#7

Phenol-d6

Concen: 127.040 ng

RT: 7.16 min Scan# 693

Delta R.T. 0.01 min

Lab File: BG045602.D

Acq: 4 Jun 2020 7:45

Instrument :

BNA_G

ClientSampleId :

TOTE-OIL

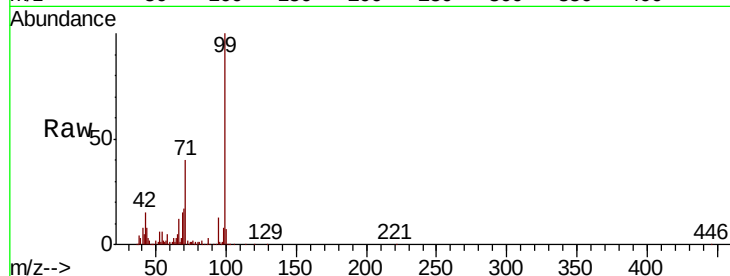
Tot Ion: 99 Resp: 603210

Ion Ratio Lower Upper

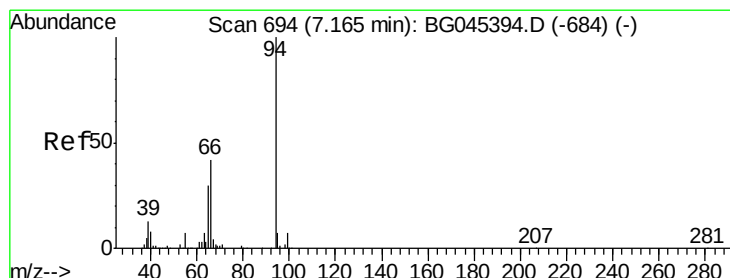
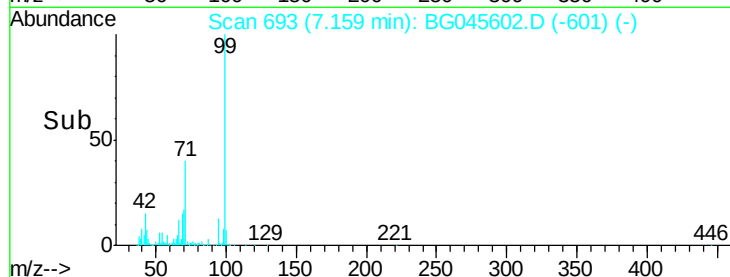
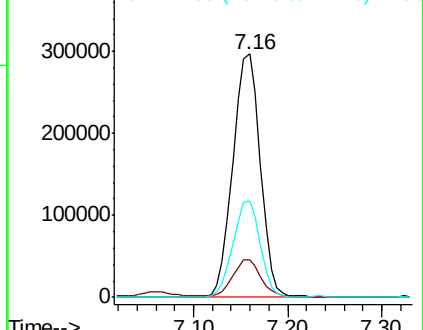
99 100

42 15.2 11.3 16.9

71 39.8 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



#10

Phenol

Concen: 116.138 ng

RT: 7.18 min Scan# 697

Delta R.T. 0.01 min

Lab File: BG045602.D

Acq: 4 Jun 2020 7:45

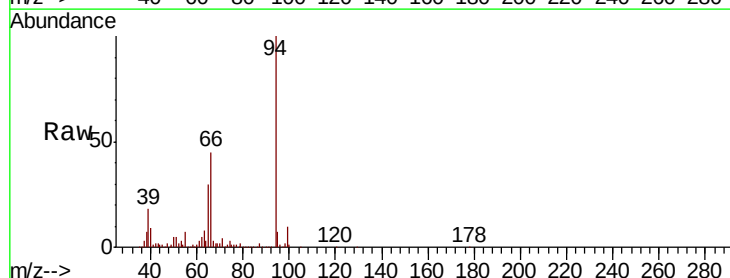
Tgt Ion: 94 Resp: 568337

Ion Ratio Lower Upper

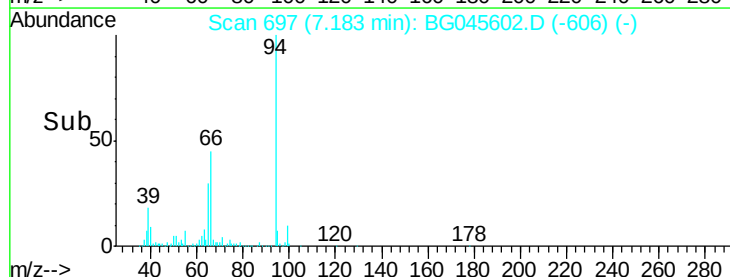
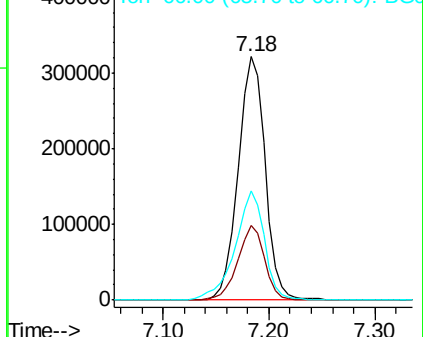
94 100

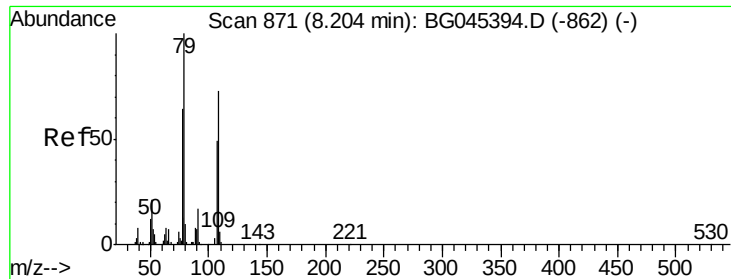
65 30.4 9.8 49.8

66 44.7 22.0 62.0



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

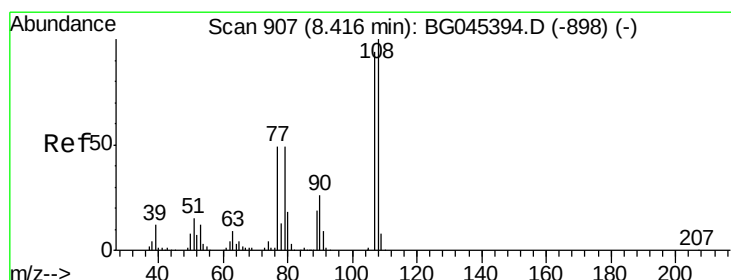
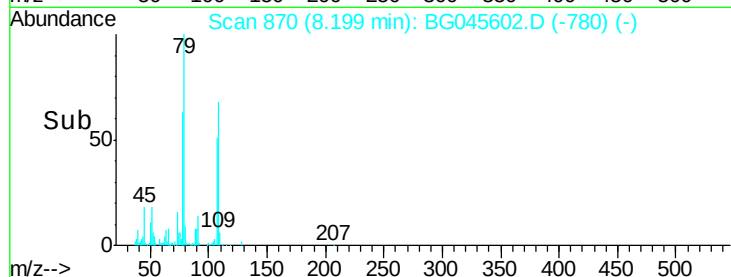
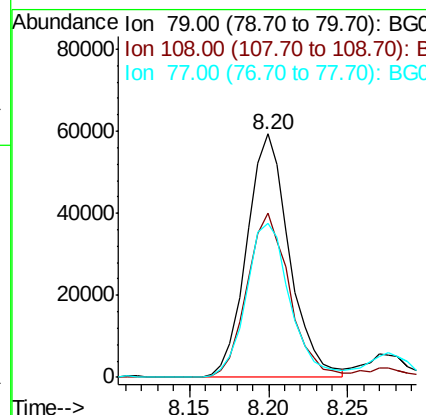
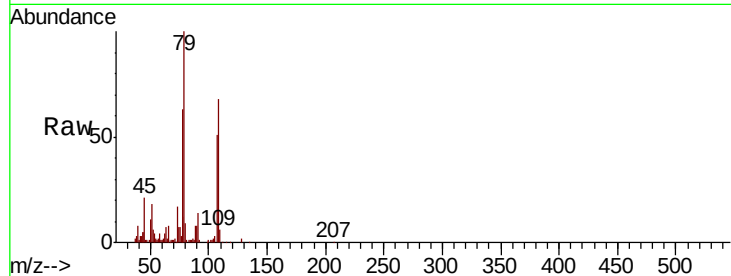




#15
Benzyl Alcohol
Concen: 28.283 ng
RT: 8.20 min Scan# 870
Delta R.T. 0.00 min
Lab File: BG045602.D
Acq: 4 Jun 2020 7:45

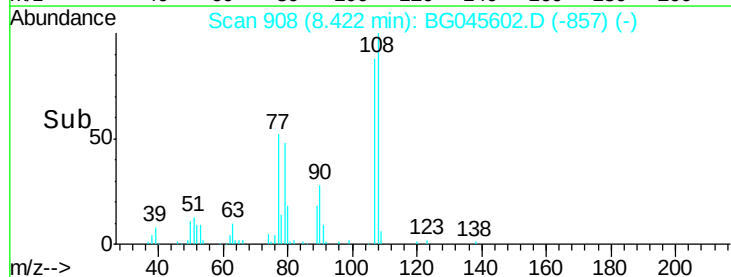
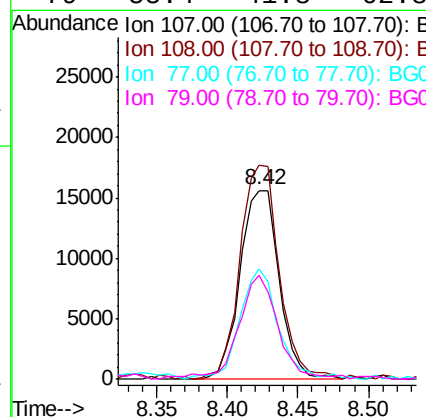
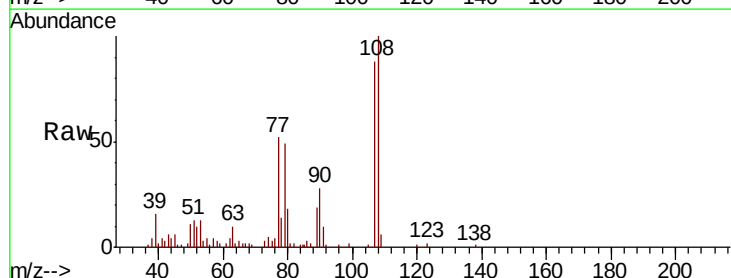
Instrument :
BNA_G
ClientSampleId :
TOTE-OIL

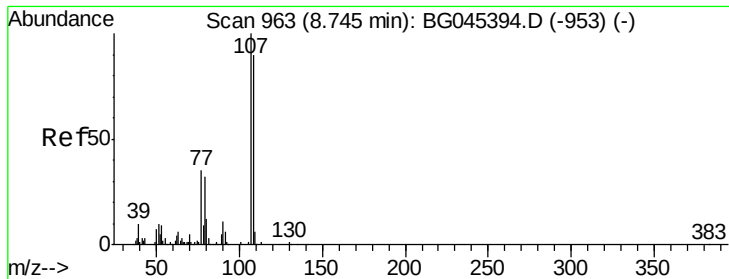
Tot Ion	Ratio	Lower	Upper
79	100		
108	67.6	58.2	87.4
77	63.4	51.0	76.4



#17
2-Methylphenol
Concen: 8.264 ng
RT: 8.42 min Scan# 908
Delta R.T. 0.00 min
Lab File: BG045602.D
Acq: 4 Jun 2020 7:45

Tgt Ion	Ratio	Lower	Upper
107	100		
108	113.5	85.2	127.8
77	58.6	41.6	62.4
79	55.4	41.8	62.8





#20

3+4-Methylphenols

Concen: 10.295 ng

RT: 8.75 min Scan# 964

Delta R.T. 0.00 min

Lab File: BG045602.D

Acq: 4 Jun 2020 7:45

Instrument :

BNA_G

ClientSampleId :

TOTE-OIL

Tot Ion:107 Resp: 51352

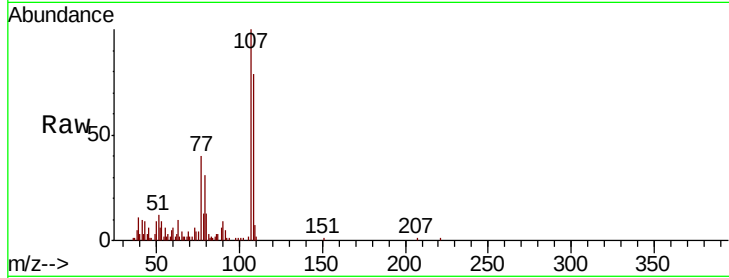
Ion Ratio Lower Upper

107 100

108 79.1 70.3 110.3

77 39.6 15.4 55.4

79 30.8 12.6 52.6

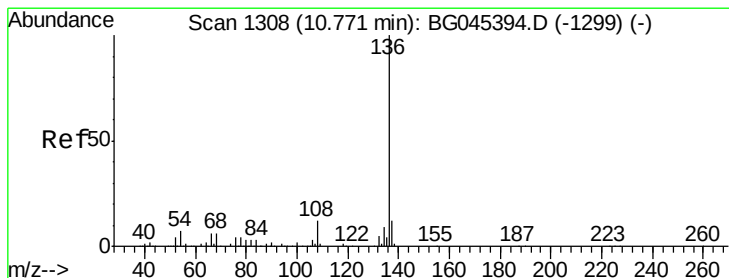
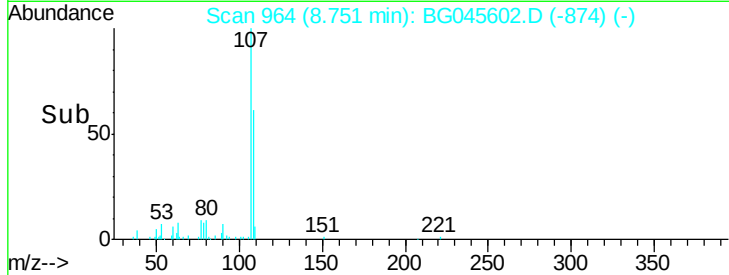
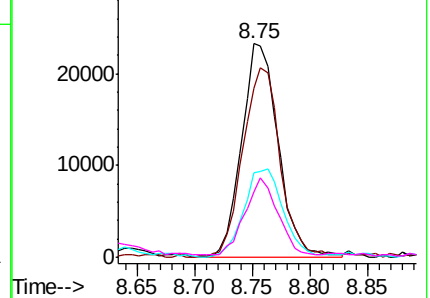


Abundance Ion 107.00 (106.70 to 107.70): E

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: 10.76 min Scan# 1306

Delta R.T. 0.00 min

Lab File: BG045602.D

Acq: 4 Jun 2020 7:45

Tgt Ion:136 Resp: 247656

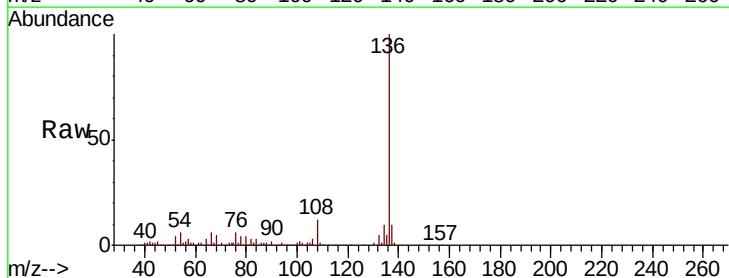
Ion Ratio Lower Upper

136 100

137 10.3 9.4 14.2

54 6.3 5.8 8.6

68 5.2 4.5 6.7

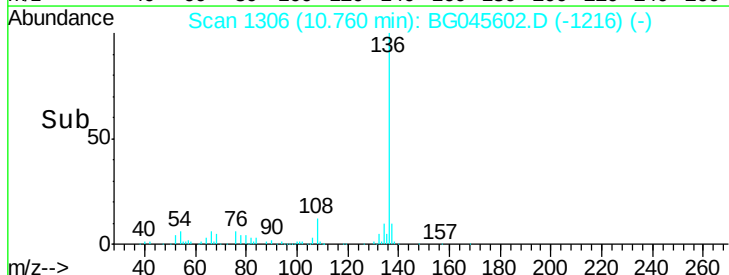
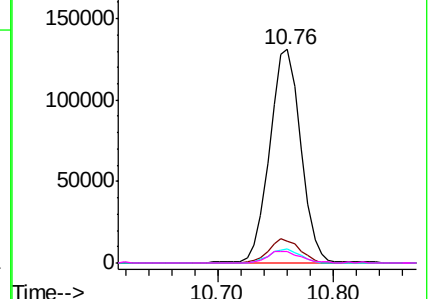


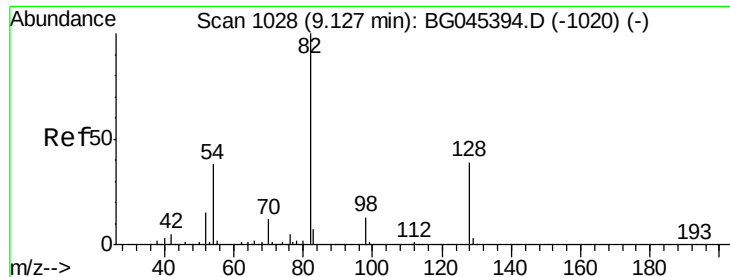
Abundance Ion 136.00 (135.70 to 136.70): E

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

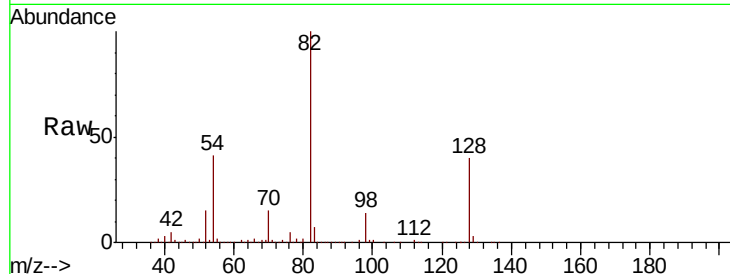




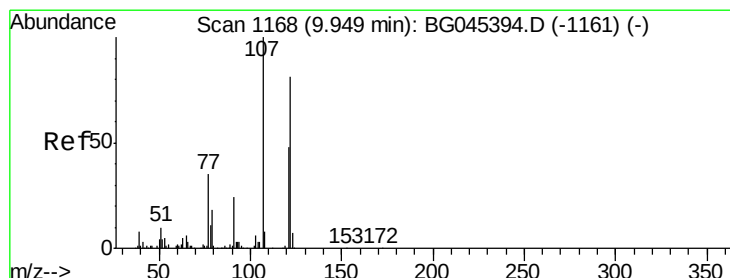
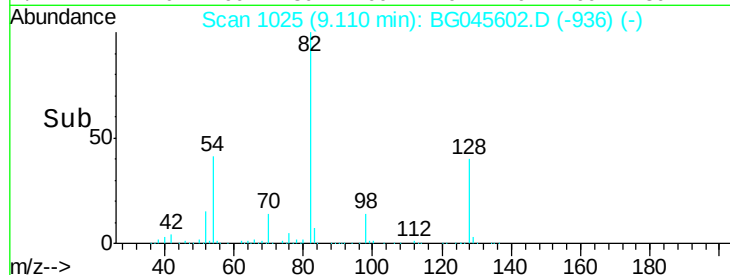
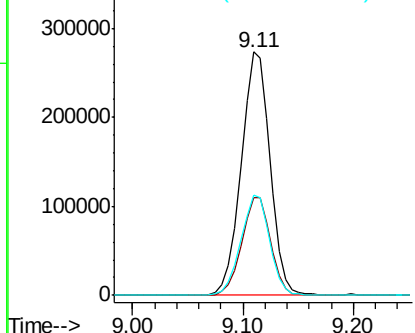
#23
 Nitrobenzene-d5
 Concen: 110.668 ng
 RT: 9.11 min Scan# 1025
 Delta R.T. -0.00 min
 Lab File: BG045602.D
 Acq: 4 Jun 2020 7:45

Instrument :
 BNA_G
 ClientSampled :
 TOTE-OIL

Tot Ion	82	Resp	502600
Ion Ratio	Lower	Upper	
82	100		
128	39.9	30.9	46.3
54	41.2	30.3	45.5

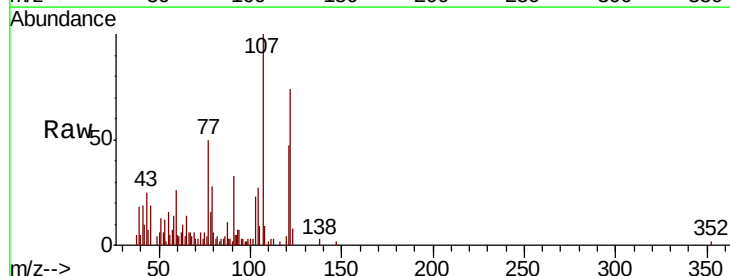


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

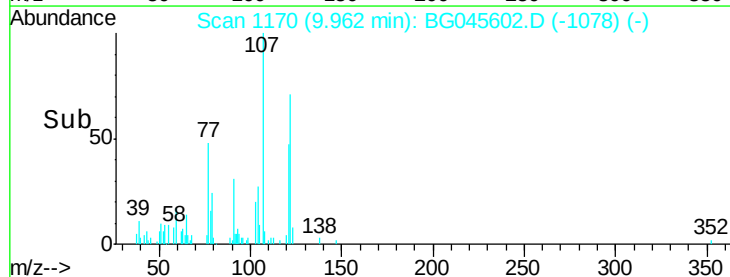
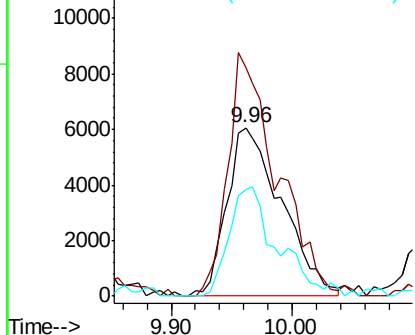


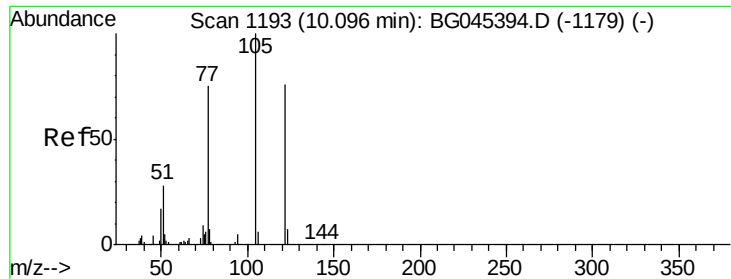
#27
 2,4-Dimethylphenol
 Concen: 6.173 ng
 RT: 9.96 min Scan# 1170
 Delta R.T. 0.01 min
 Lab File: BG045602.D
 Acq: 4 Jun 2020 7:45

Tgt Ion	122	Resp	19058
Ion Ratio	Lower	Upper	
122	100		
107	135.1	99.0	148.4
121	63.2	47.7	71.5



Abundance Ion 122.00 (121.70 to 122.70): BGC
 Ion 107.00 (106.70 to 107.70): BGC
 Ion 121.00 (120.70 to 121.70): BGC

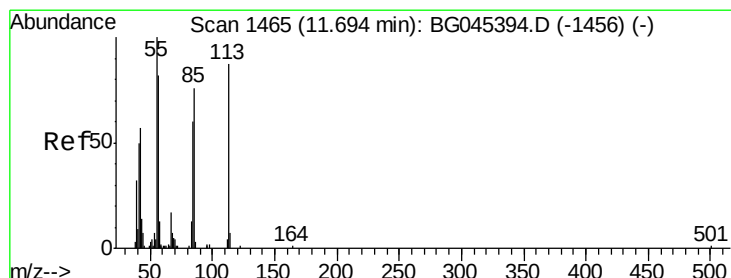
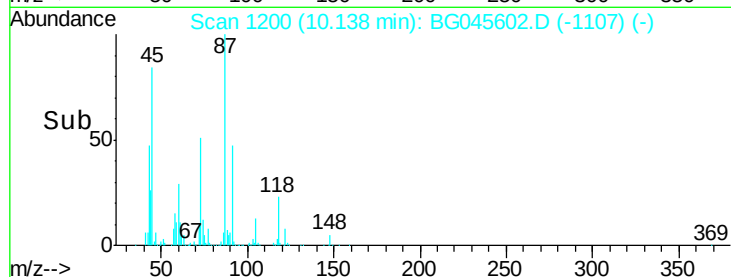
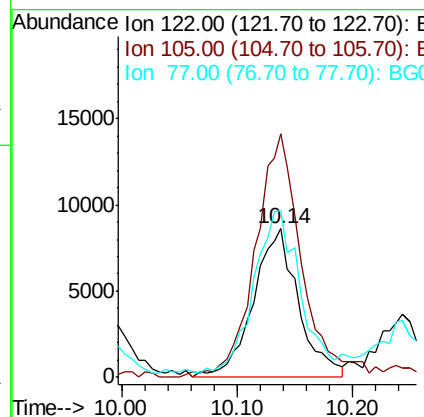
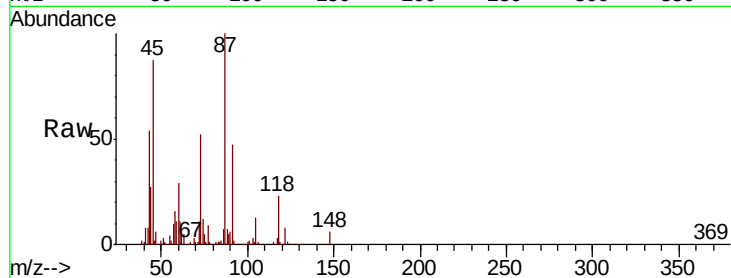




#32
Benzoic acid
Concen: 18.873 ng
RT: 10.14 min Scan# 1200
Delta R.T. 0.02 min
Lab File: BG045602.D
Acq: 4 Jun 2020 7:45

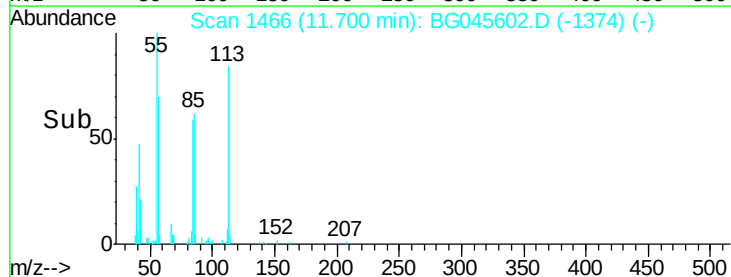
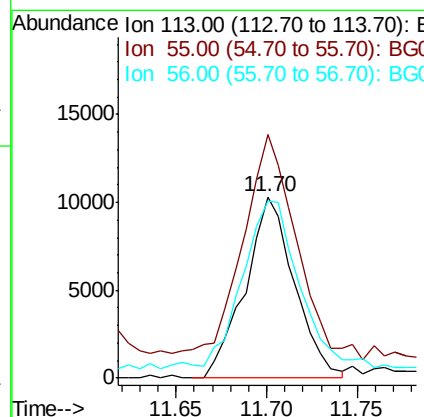
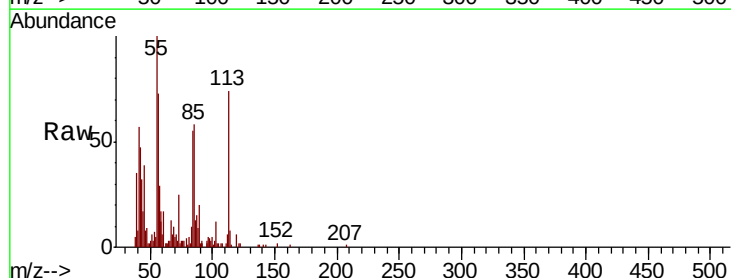
Instrument :
BNA_G
ClientSampleId :
TOTE-OIL

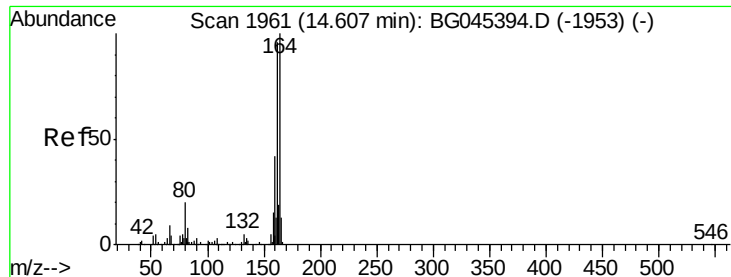
Tot Ion:122 Resp: 23487
Ion Ratio Lower Upper
122 100
105 163.9 107.9 147.9#
77 111.9 78.9 118.9



#35
Caprolactam
Concen: 14.576 ng
RT: 11.70 min Scan# 1466
Delta R.T. 0.01 min
Lab File: BG045602.D
Acq: 4 Jun 2020 7:45

Tgt Ion:113 Resp: 19505
Ion Ratio Lower Upper
113 100
55 134.5 96.0 136.0
56 97.8 75.1 115.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.60 min Scan# 1959

Delta R.T. 0.00 min

Lab File: BG045602.D

Acq: 4 Jun 2020 7:45

Instrument :

BNA_G

ClientSampleId :

TOTE-OIL

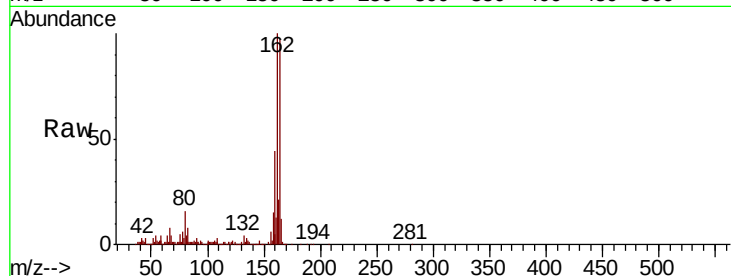
Tot Ion:164 Resp: 170506

Ion Ratio Lower Upper

164 100

162 102.9 76.9 115.3

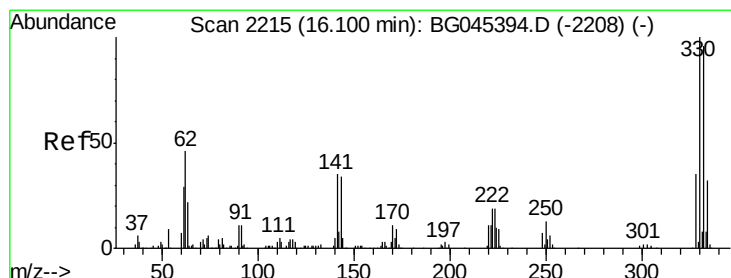
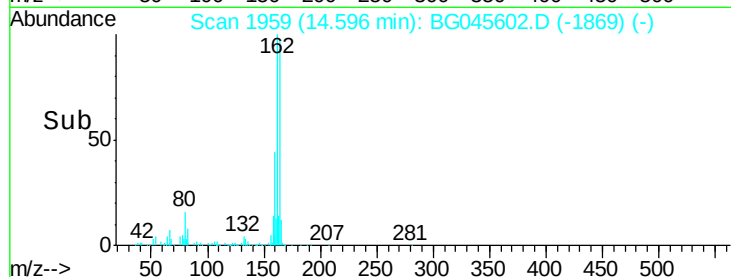
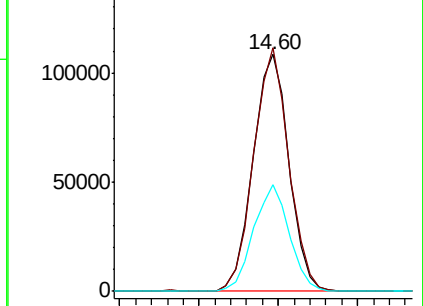
160 45.1 33.8 50.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 166.664 ng

RT: 16.10 min Scan# 2215

Delta R.T. 0.01 min

Lab File: BG045602.D

Acq: 4 Jun 2020 7:45

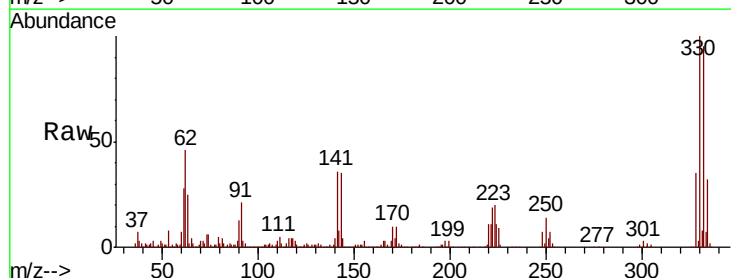
Tgt Ion:330 Resp: 363423

Ion Ratio Lower Upper

330 100

332 97.8 78.2 117.4

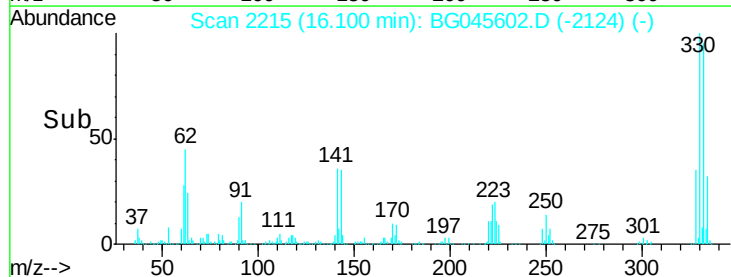
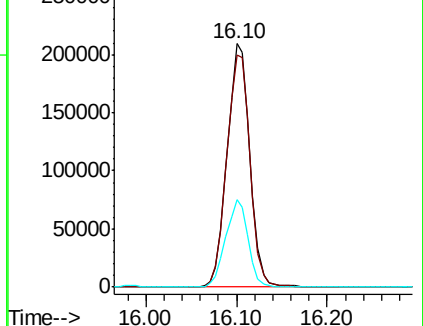
141 35.4 28.2 42.4

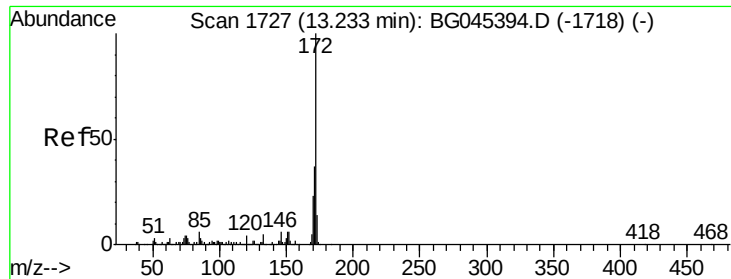


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

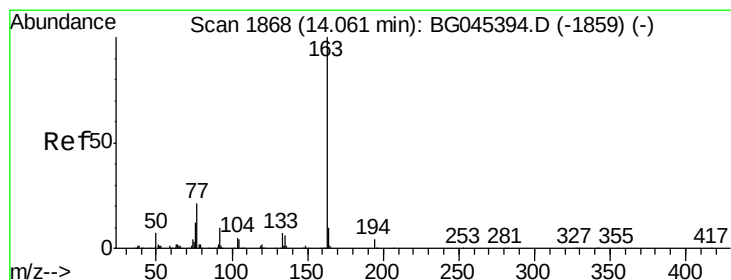
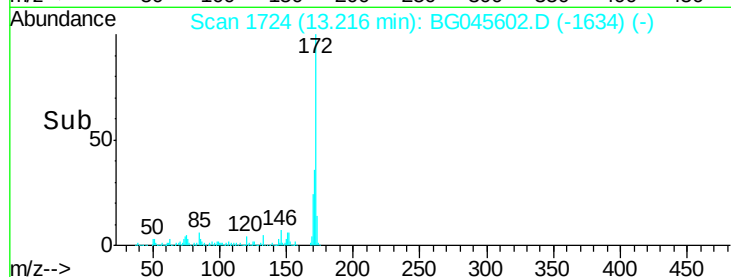
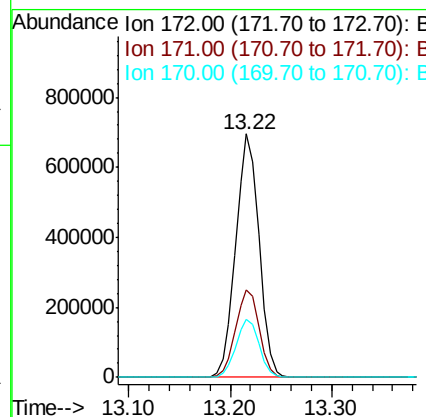
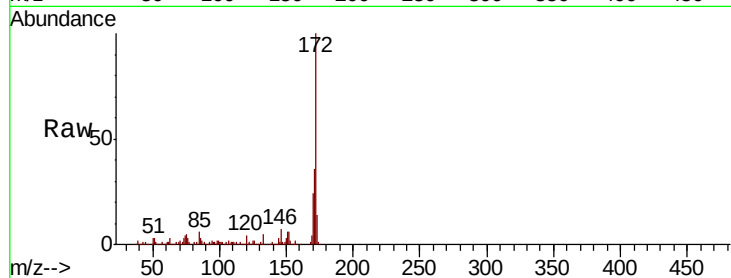




#45
2-Fluorobiphenyl
Concen: 109.925 ng
RT: 13.22 min Scan# 1724
Delta R.T. 0.00 min
Lab File: BG045602.D
Acq: 4 Jun 2020 7:45

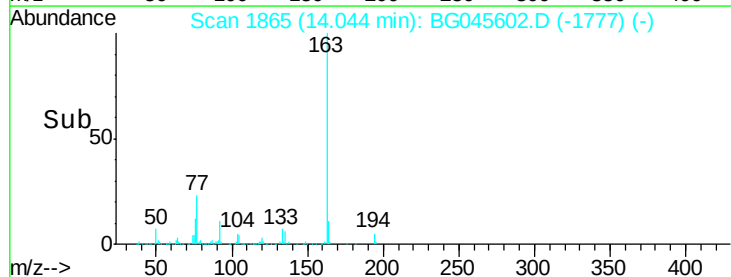
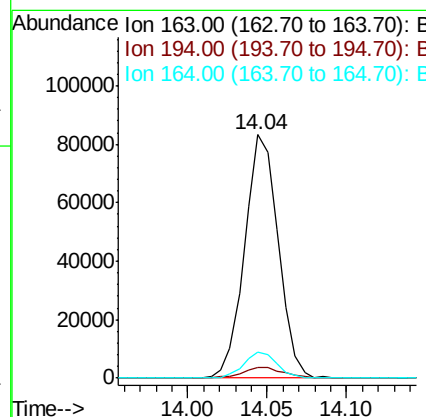
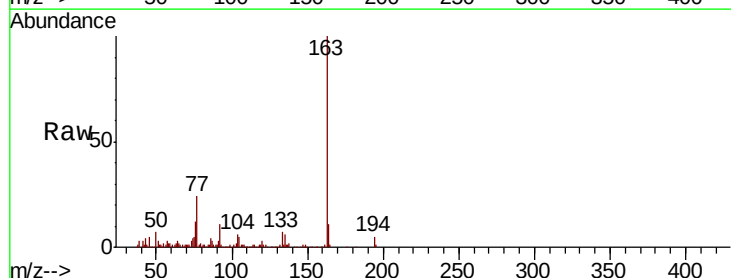
Instrument :
BNA_G
ClientSampleId :
TOTE-OIL

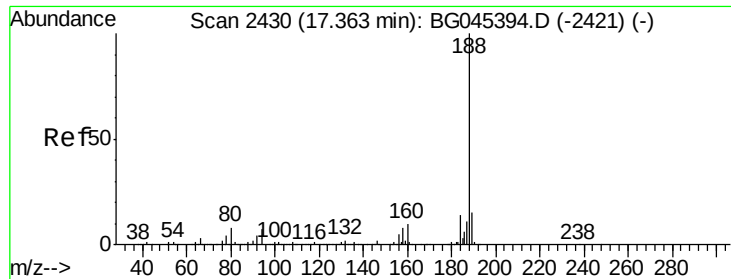
Tot Ion:172 Resp: 1104989
Ion Ratio Lower Upper
172 100
171 36.1 29.5 44.3
170 24.0 18.5 27.7



#50
Dimethylphthalate
Concen: 10.459 ng
RT: 14.04 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BG045602.D
Acq: 4 Jun 2020 7:45

Tgt Ion:163 Resp: 122331
Ion Ratio Lower Upper
163 100
194 4.5 3.2 4.8
164 10.8 8.3 12.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.35 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BG045602.D

Acq: 4 Jun 2020 7:45

Instrument :

BNA_G

ClientSampleId :

TOTE-OIL

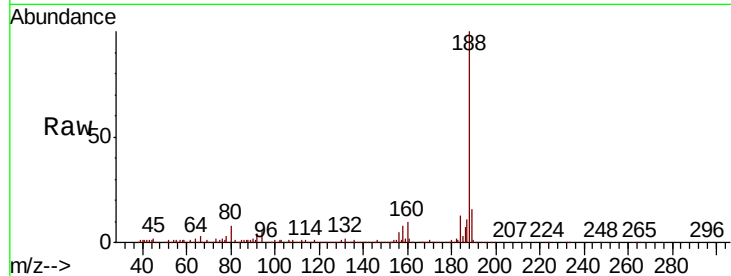
Tot Ion:188 Resp: 399279

Ion Ratio Lower Upper

188 100

94 6.4 5.5 8.3

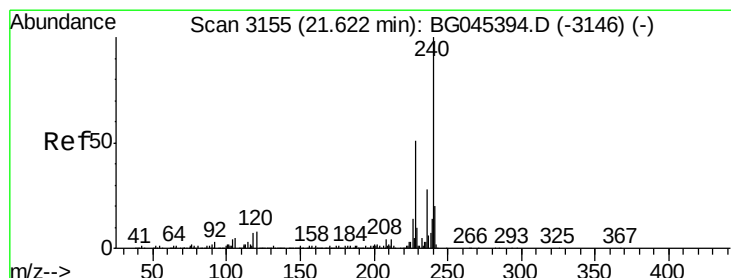
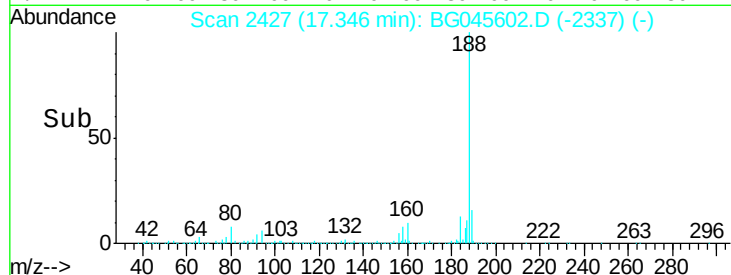
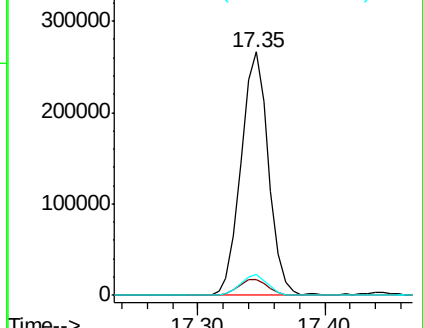
80 8.4 6.6 10.0



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.60 min Scan# 3152

Delta R.T. 0.00 min

Lab File: BG045602.D

Acq: 4 Jun 2020 7:45

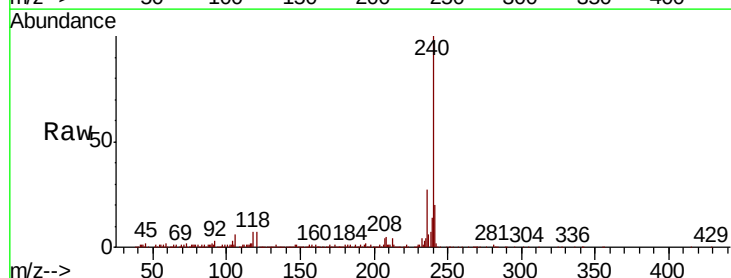
Tgt Ion:240 Resp: 381113

Ion Ratio Lower Upper

240 100

120 6.7 6.1 9.1

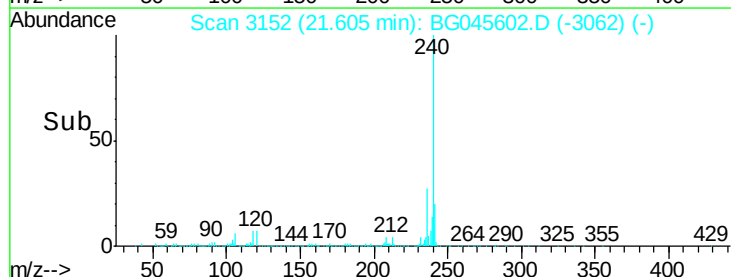
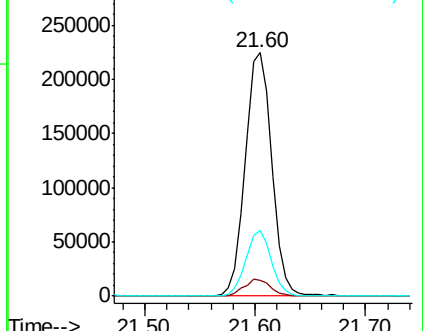
236 26.7 22.3 33.5

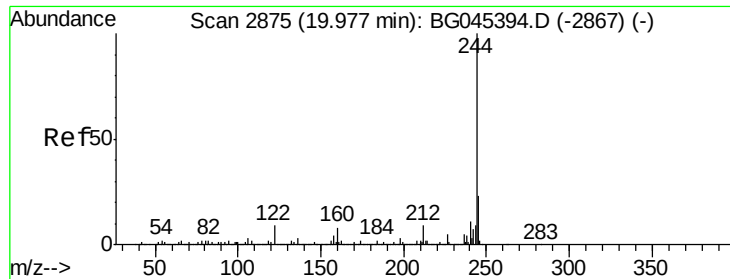


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 106.677 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.00 min

Lab File: BG045602.D

Acq: 4 Jun 2020 7:45

Instrument :

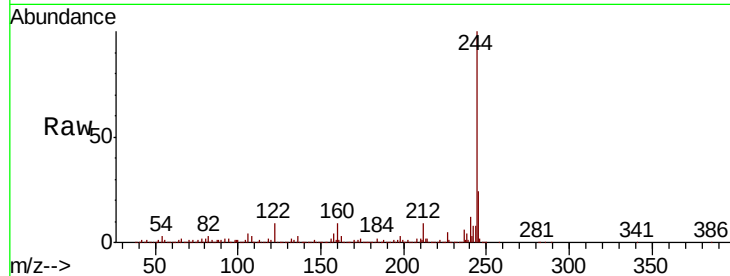
BNA_G

ClientSampleId :

TOTE-OIL

Tot Ion:244 Resp: 1743169

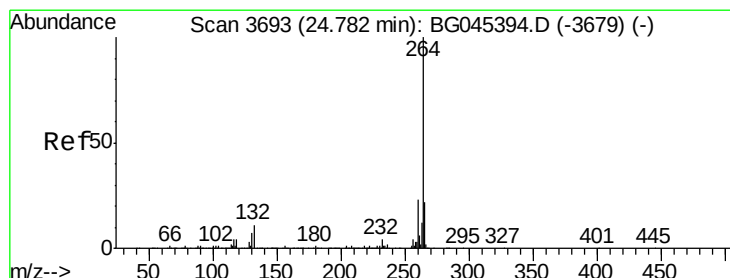
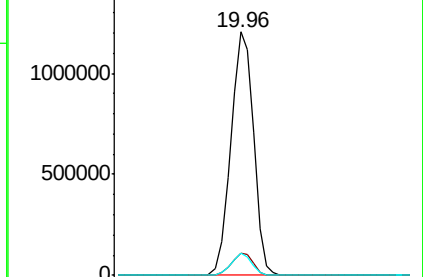
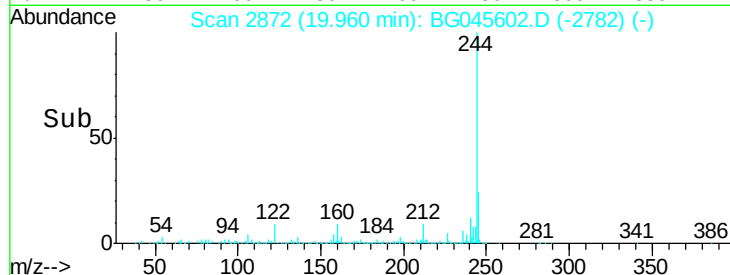
Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.4	11.0
122	9.3	6.8	10.2



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: 24.75 min Scan# 3688

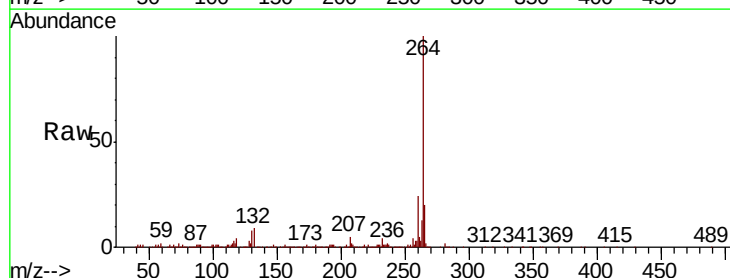
Delta R.T. 0.00 min

Lab File: BG045602.D

Acq: 4 Jun 2020 7:45

Tgt Ion:264 Resp: 421540

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.2	27.4
265	20.2	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

