

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021020\
 Data File : BG044377.D
 Acq On : 11 Feb 2020 6:29
 Operator : CG/JU
 Sample : L1449-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S-1-BY-TANK-WEST

Quant Time: Feb 11 08:05:32 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

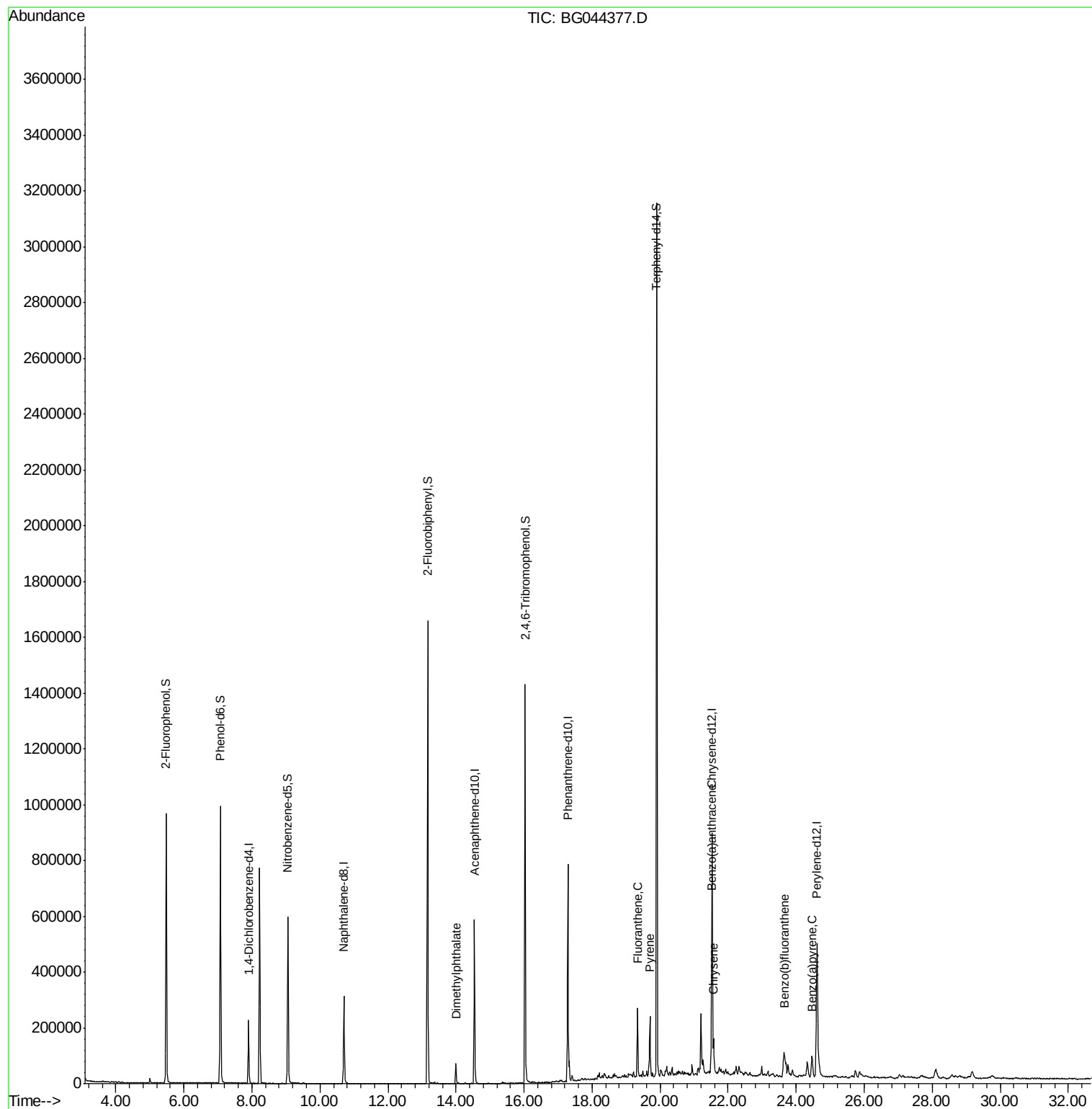
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	68187	20.00	ng	0.00
21) Naphthalene-d8	10.70	136	299103	20.00	ng	0.00
39) Acenaphthene-d10	14.54	164	208062	20.00	ng	0.00
64) Phenanthrene-d10	17.28	188	492985	20.00	ng	0.00
76) Chrysene-d12	21.53	240	462278	20.00	ng	0.00
87) Perylene-d12	24.61	264	488417	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	480805	124.44	ng	0.00
7) Phenol-d6	7.07	99	644184	124.16	ng	0.00
23) Nitrobenzene-d5	9.06	82	388678	73.36	ng	0.00
42) 2,4,6-Tribromophenol	16.03	330	287788	117.82	ng	0.00
45) 2-Fluorobiphenyl	13.17	172	951704	76.60	ng	0.00
79) Terphenyl-d14	19.90	244	1542877	68.65	ng	0.00
Target Compounds						
50) Dimethylphthalate	13.99	163	59780	3.997	ng	98
75) Fluoranthene	19.34	202	154181	5.583	ng	96
78) Pyrene	19.70	202	130562	4.398	ng	94
81) Benzo(a)anthracene	21.51	228	95390	3.348	ng	97
83) Chrysene	21.57	228	83606	3.036	ng	97
88) Benzo(b)fluoranthene	23.64	252	119476	4.245	ng	96
90) Benzo(a)pyrene	24.46	252	78635	2.955	ng	99

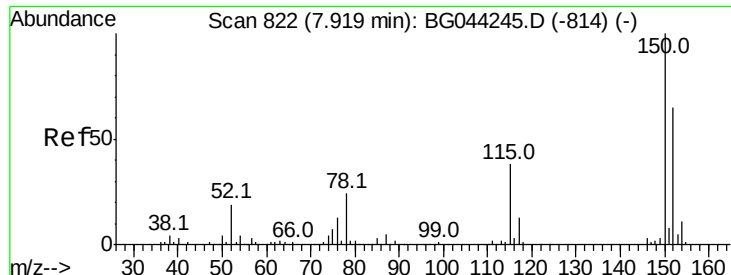
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 10 16:11:50 2020
Response via : Initial Calibration



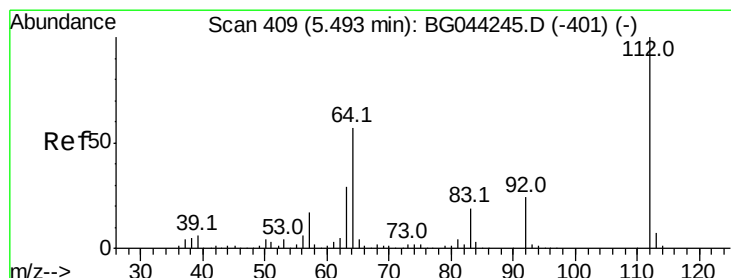
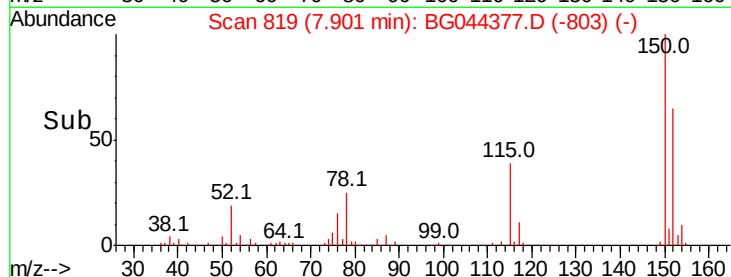
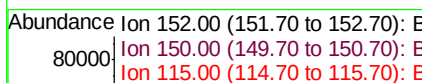
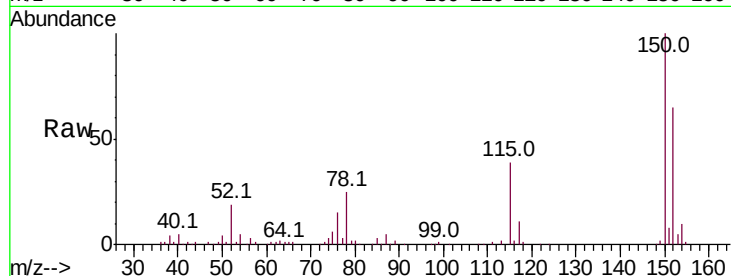


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BG044377.D
Acq: 11 Feb 2020 6:29

Instrument :
BNA_G
ClientSampleId :
S-1-BY-TANK-WEST

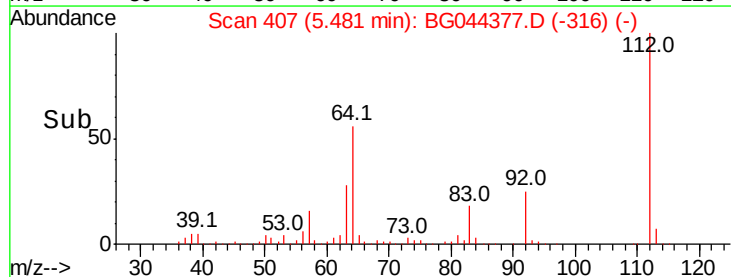
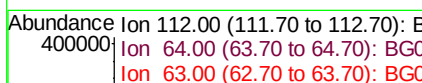
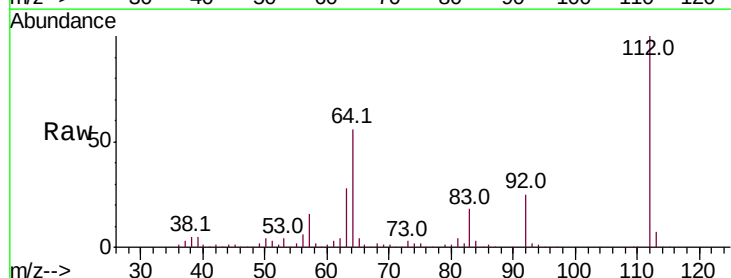
Tot Ion:152 Resp: 68187
Ion Ratio Lower Upper
152 100
150 153.5 122.6 183.8
115 60.4 46.0 69.0

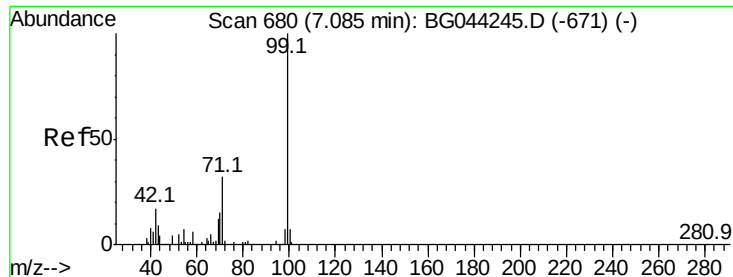


#5

2-Fluorophenol
Concen: 124.444 ng
RT: 5.48 min Scan# 407
Delta R.T. 0.00 min
Lab File: BG044377.D
Acq: 11 Feb 2020 6:29

Tgt Ion:112 Resp: 480805
Ion Ratio Lower Upper
112 100
64 55.8 45.4 68.2
63 28.0 22.9 34.3





#7

Phenol-d6

Concen: 124.161 ng

RT: 7.07 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG044377.D

Acq: 11 Feb 2020 6:29

Instrument :

BNA_G

ClientSampleId :

S-1-BY-TANK-WEST

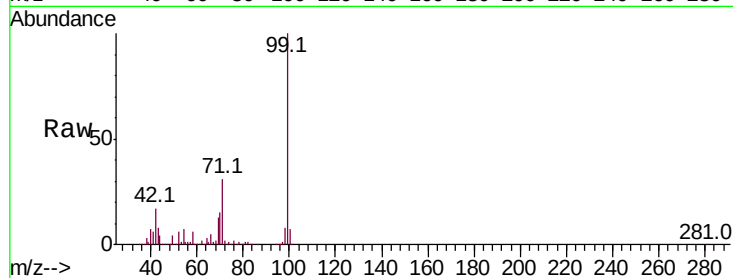
Tot Ion: 99 Resp: 644184

Ion Ratio Lower Upper

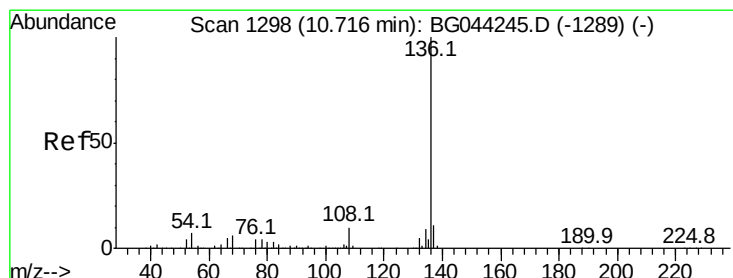
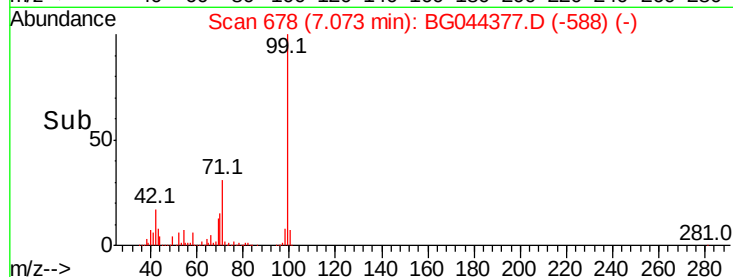
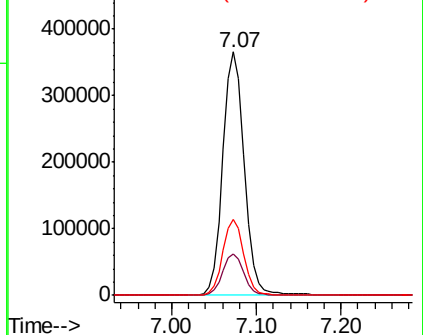
99 100

42 17.2 13.8 20.6

71 31.3 25.5 38.3



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: 10.70 min Scan# 1296

Delta R.T. 0.00 min

Lab File: BG044377.D

Acq: 11 Feb 2020 6:29

Tgt Ion: 136 Resp: 299103

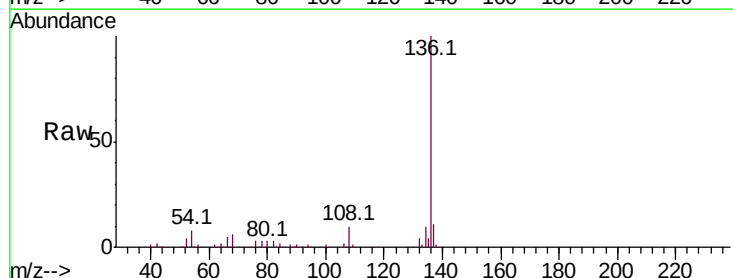
Ion Ratio Lower Upper

136 100

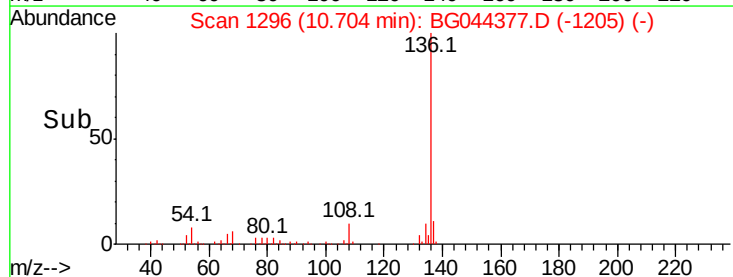
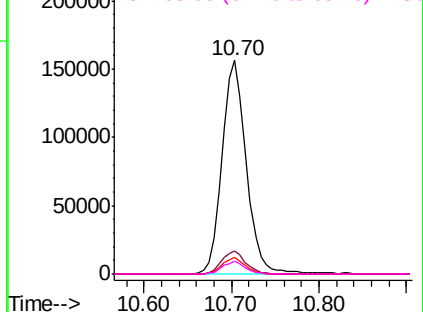
137 10.6 8.8 13.2

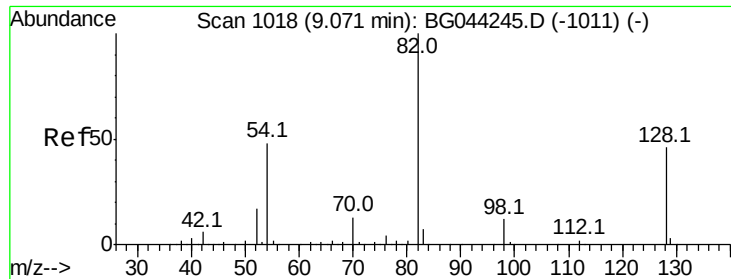
54 7.6 5.8 8.8

68 5.8 4.6 6.8



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

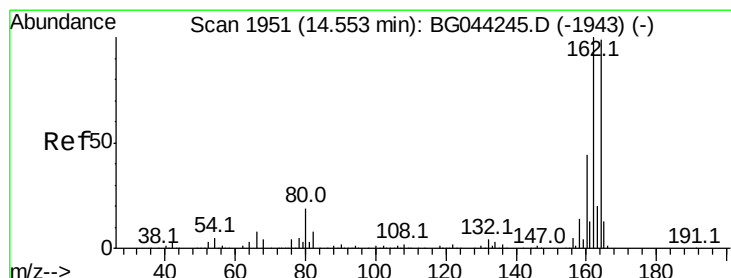
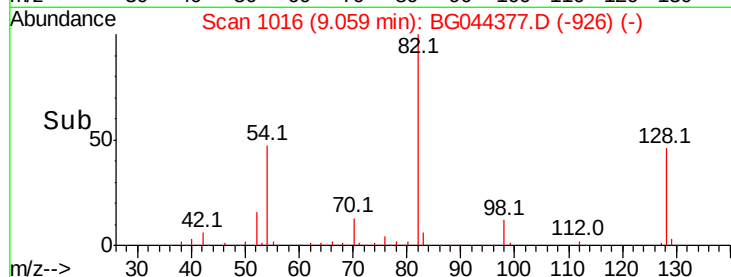
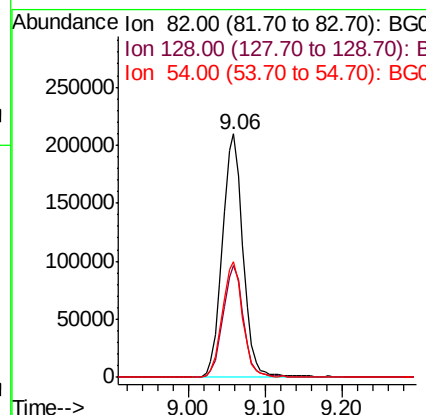
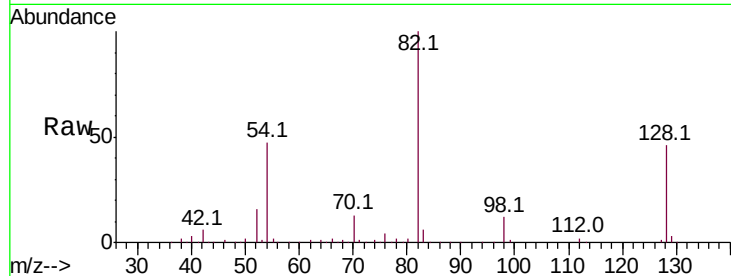




#23
 Nitrobenzene-d5
 Concen: 73.364 ng
 RT: 9.06 min Scan# 1016
 Delta R.T. -0.00 min
 Lab File: BG044377.D
 Acq: 11 Feb 2020 6:29

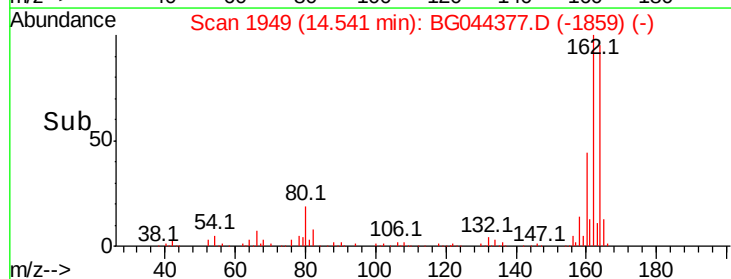
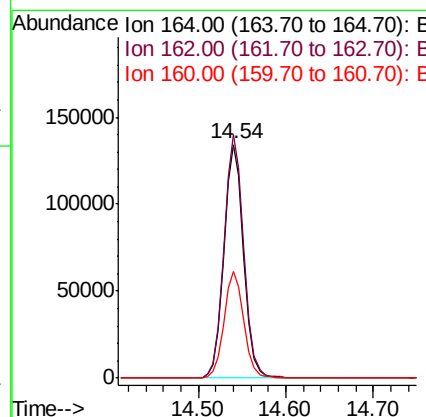
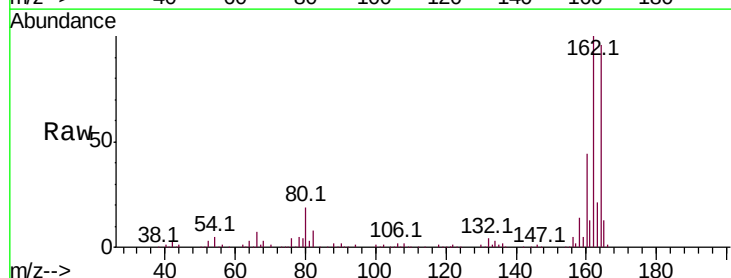
Instrument :
 BNA_G
 ClientSampleId :
 S-1-BY-TANK-WEST

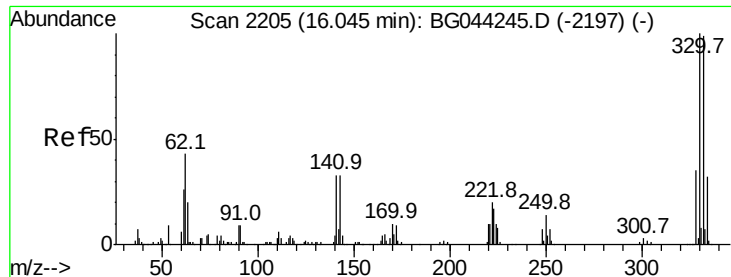
Tot Ion	82	Resp	388678
Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.5	54.7
54	47.4	38.6	58.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.54 min Scan# 1949
 Delta R.T. -0.00 min
 Lab File: BG044377.D
 Acq: 11 Feb 2020 6:29

Tgt Ion	164	Resp	208062
Ion	Ratio	Lower	Upper
164	100		
162	104.2	80.7	121.1
160	45.5	35.3	52.9





#42

2,4,6-Tribromophenol

Concen: 117.824 ng

RT: 16.03 min Scan# 2203

Delta R.T. 0.00 min

Lab File: BG044377.D

Acq: 11 Feb 2020 6:29

Instrument :

BNA_G

ClientSampleId :

S-1-BY-TANK-WEST

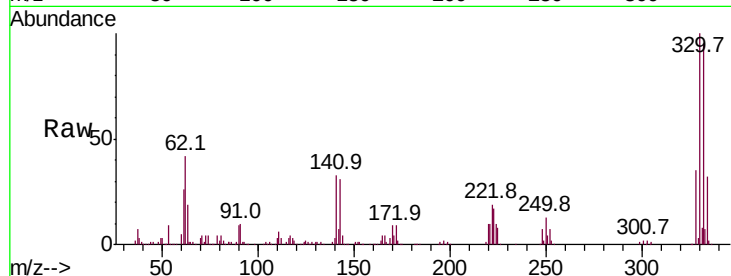
Tot Ion:330 Resp: 287788

Ion Ratio Lower Upper

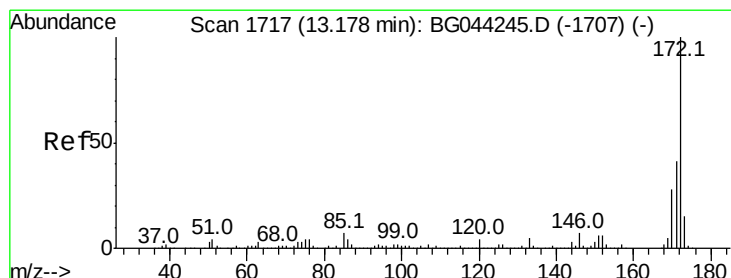
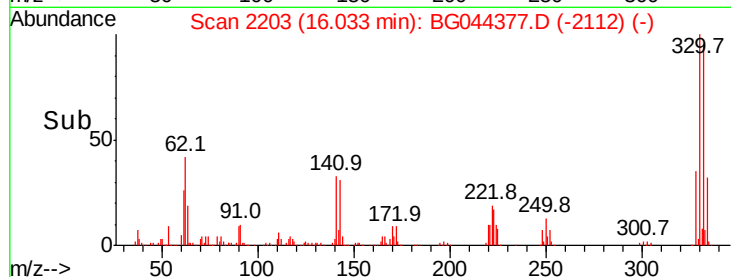
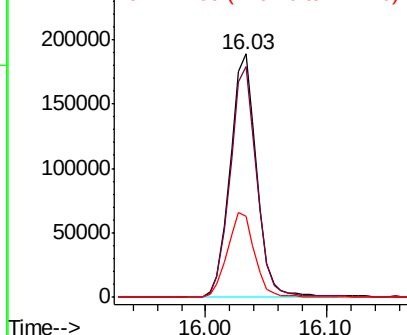
330 100

332 95.9 77.2 115.8

141 36.2 28.3 42.5



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: 76.596 ng

RT: 13.17 min Scan# 1715

Delta R.T. 0.00 min

Lab File: BG044377.D

Acq: 11 Feb 2020 6:29

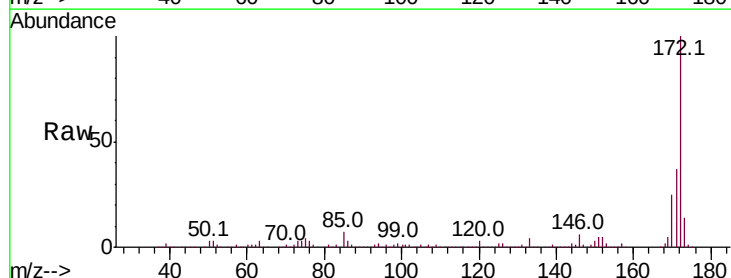
Tgt Ion:172 Resp: 951704

Ion Ratio Lower Upper

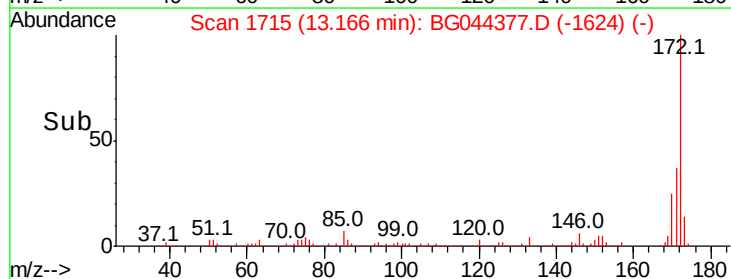
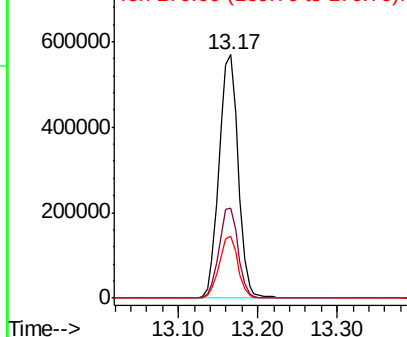
172 100

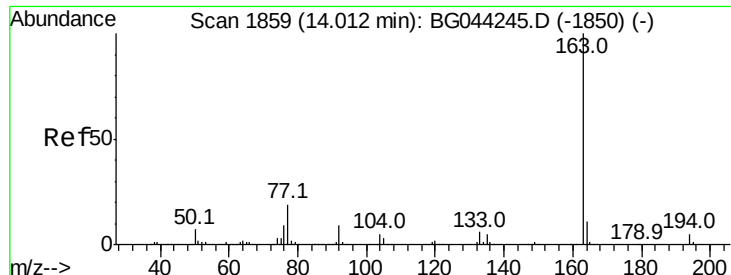
171 37.0 32.9 49.3

170 25.3 22.0 33.0



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





#50

Dimethylphthalate

Concen: 3.997 ng

RT: 13.99 min Scan# 1856

Delta R.T. -0.00 min

Lab File: BG044377.D

Acq: 11 Feb 2020 6:29

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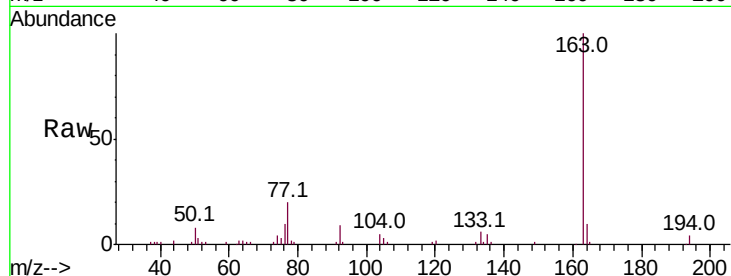
Tot Ion:163 Resp: 59780

Ion Ratio Lower Upper

163 100

194 4.3 3.6 5.4

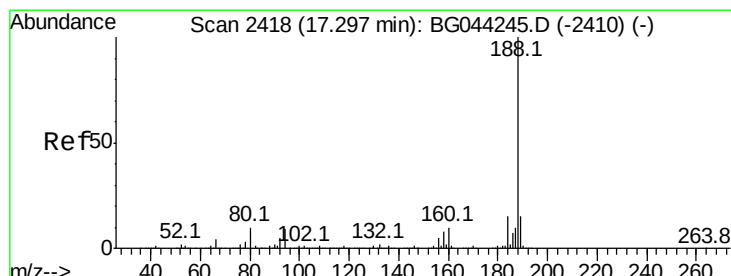
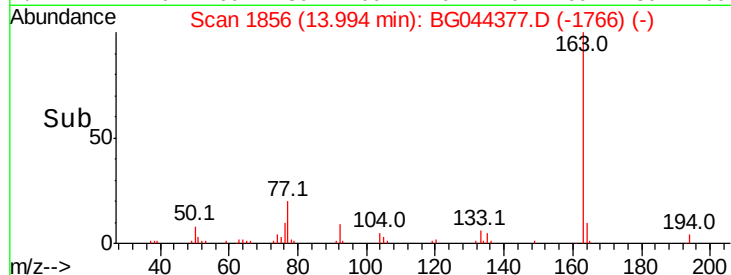
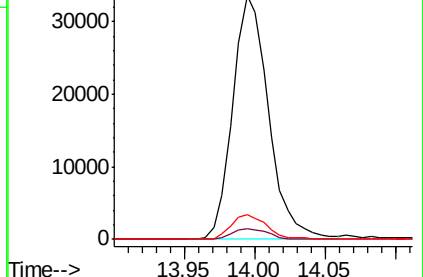
164 10.1 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.28 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BG044377.D

Acq: 11 Feb 2020 6:29

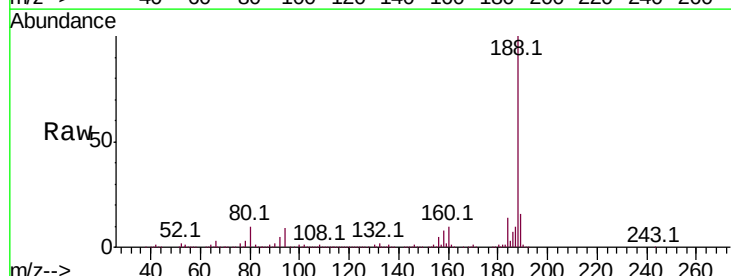
Tgt Ion:188 Resp: 492985

Ion Ratio Lower Upper

188 100

94 8.9 7.4 11.2

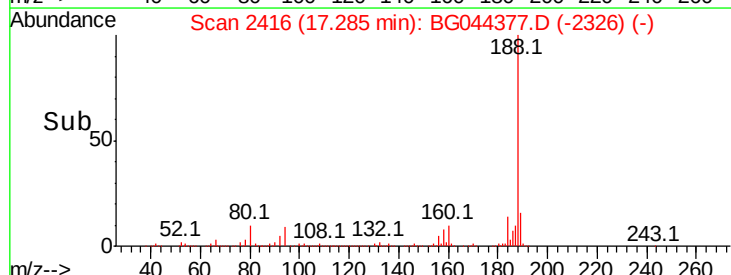
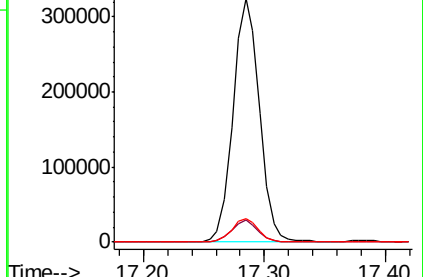
80 9.7 7.7 11.5

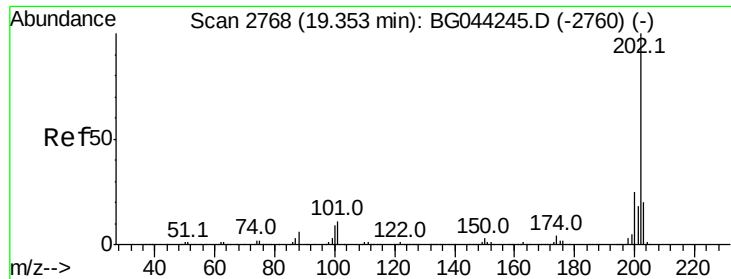


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG





#75

Fluoranthene

Concen: 5.583 ng

RT: 19.34 min Scan# 2766

Delta R.T. 0.00 min

Lab File: BG044377.D

Acq: 11 Feb 2020 6:29

Instrument :

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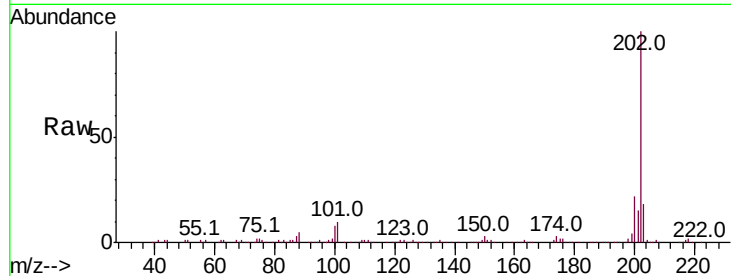
Tot Ion:202 Resp: 154181

Ion Ratio Lower Upper

202 100

101 9.8 0.0 31.3

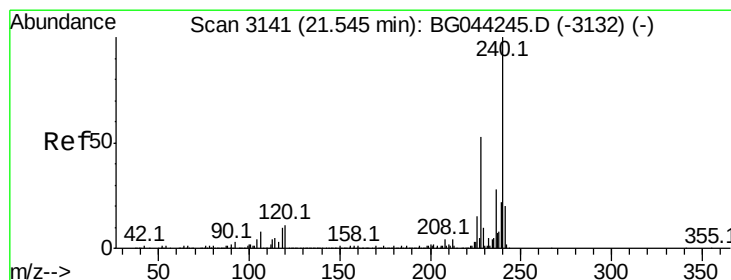
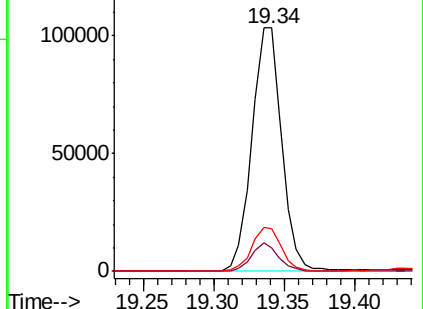
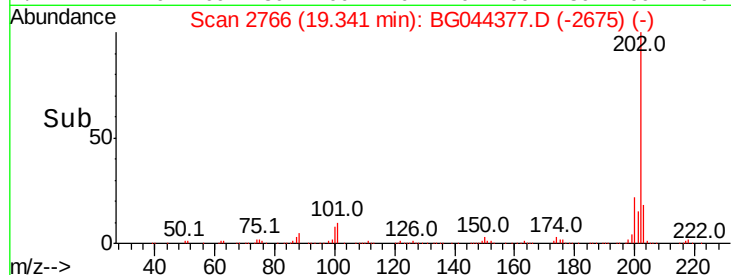
203 17.8 0.0 39.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.53 min Scan# 3138

Delta R.T. -0.01 min

Lab File: BG044377.D

Acq: 11 Feb 2020 6:29

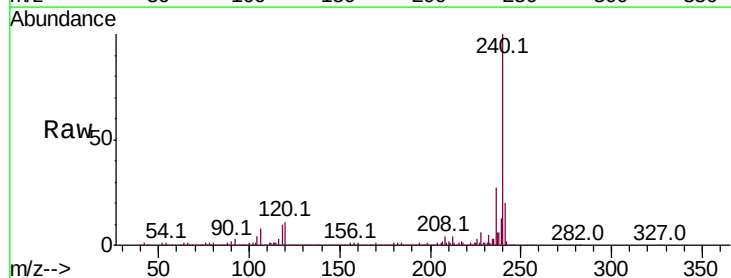
Tgt Ion:240 Resp: 462278

Ion Ratio Lower Upper

240 100

120 10.6 8.4 12.6

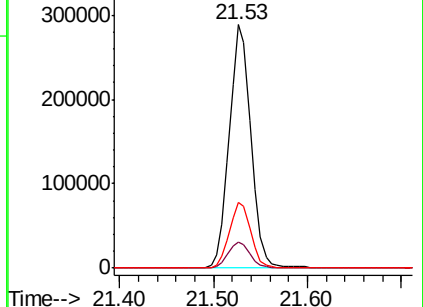
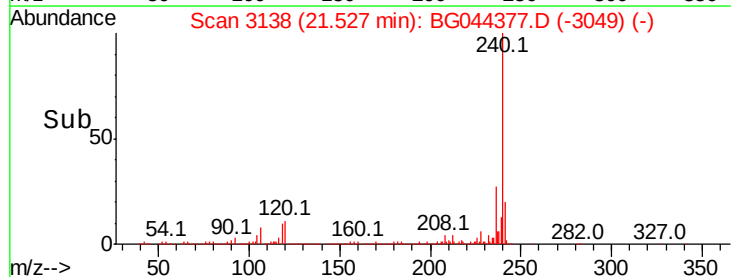
236 26.8 22.1 33.1

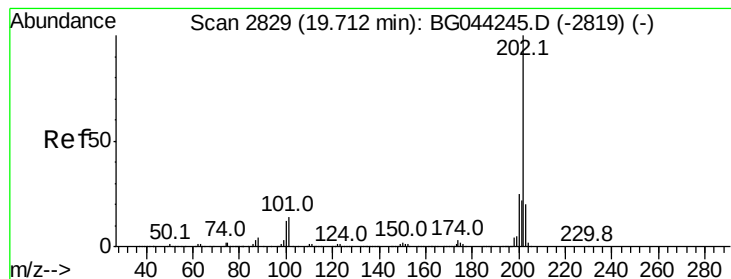


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 4.398 ng

RT: 19.70 min Scan# 2827

Delta R.T. -0.00 min

Lab File: BG044377.D

Acq: 11 Feb 2020 6:29

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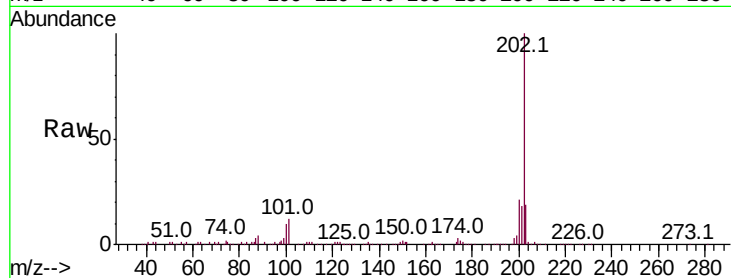
Tot Ion:202 Resp: 130562

Ion Ratio Lower Upper

202 100

200 20.7 20.0 30.0

203 18.7 16.2 24.2

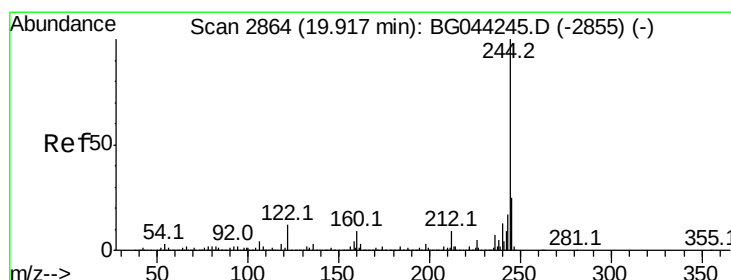
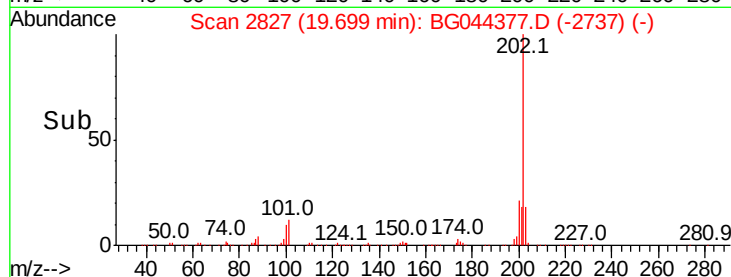
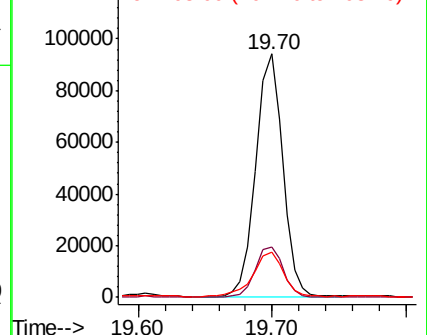


Abundance

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



#79

Terphenyl-d14

Concen: 68.649 ng

RT: 19.90 min Scan# 2861

Delta R.T. -0.00 min

Lab File: BG044377.D

Acq: 11 Feb 2020 6:29

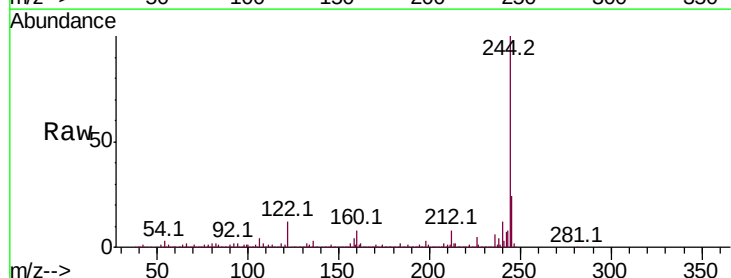
Tgt Ion:244 Resp: 1542877

Ion Ratio Lower Upper

244 100

212 8.5 7.4 11.2

122 11.9 9.8 14.6

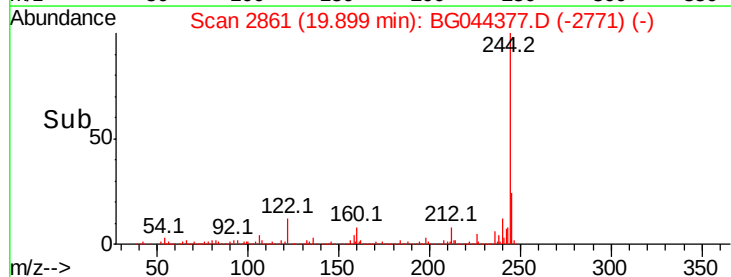
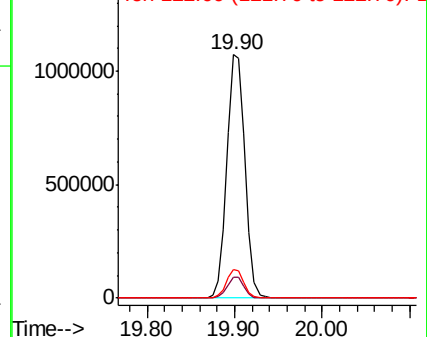


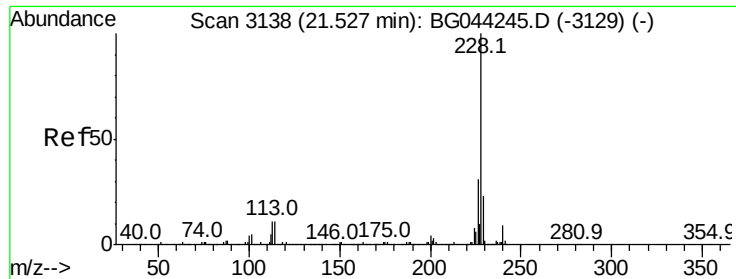
Abundance

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: 3.348 ng

RT: 21.51 min Scan# 3135

Delta R.T. -0.00 min

Lab File: BG044377.D

Acq: 11 Feb 2020 6:29

Instrument :

BNA_G

ClientSampleId :

S-1-BY-TANK-WEST

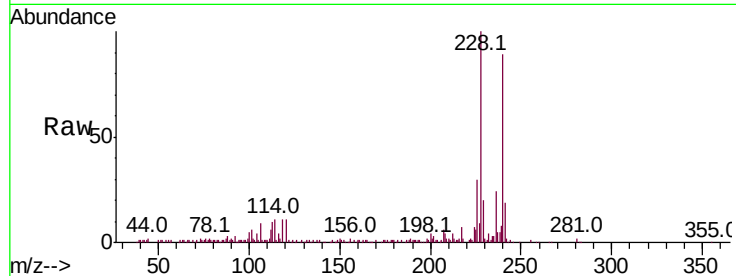
Tot Ion:228 Resp: 95390

Ion Ratio Lower Upper

228 100

226 29.8 24.7 37.1

229 20.2 18.2 27.4

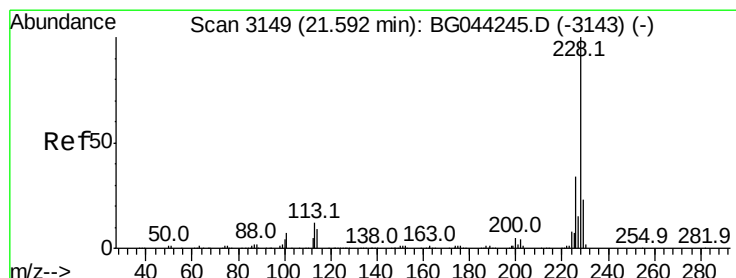
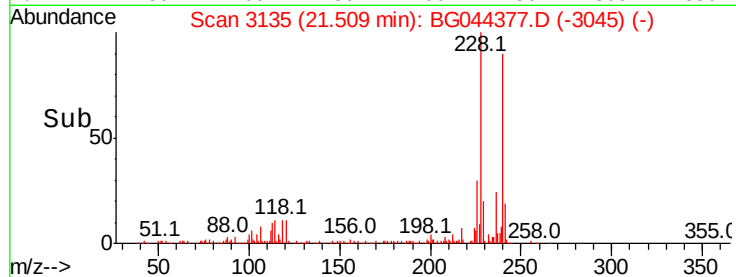
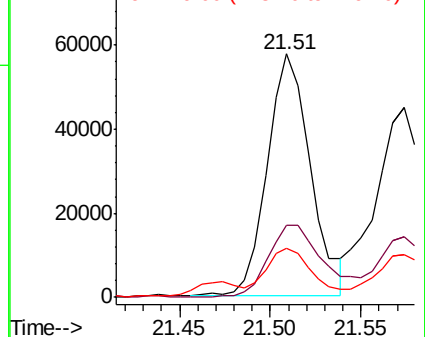


Abundance

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: 3.036 ng

RT: 21.57 min Scan# 3146

Delta R.T. -0.00 min

Lab File: BG044377.D

Acq: 11 Feb 2020 6:29

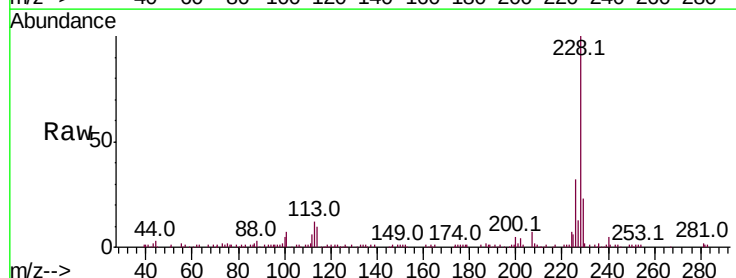
Tgt Ion:228 Resp: 83606

Ion Ratio Lower Upper

228 100

226 31.6 27.1 40.7

229 22.7 17.9 26.9

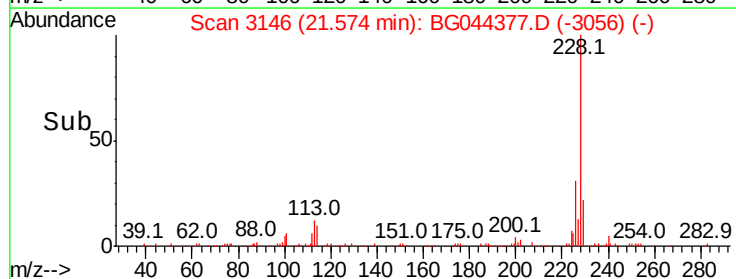
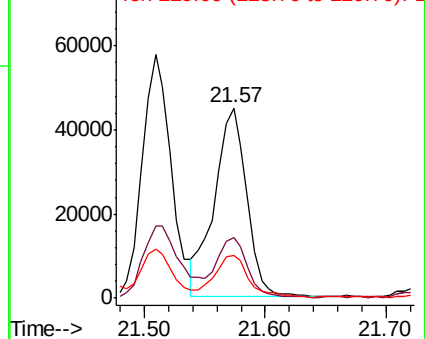


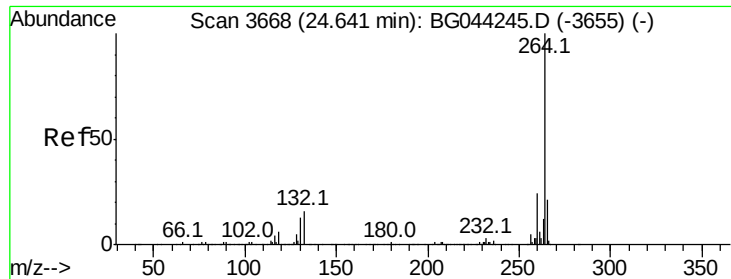
Abundance

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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.61 min Scan# 3663

Delta R.T. -0.01 min

Lab File: BG044377.D

Acq: 11 Feb 2020 6:29

Instrument :

BNA_G

ClientSampleId :

S-1-BY-TANK-WEST

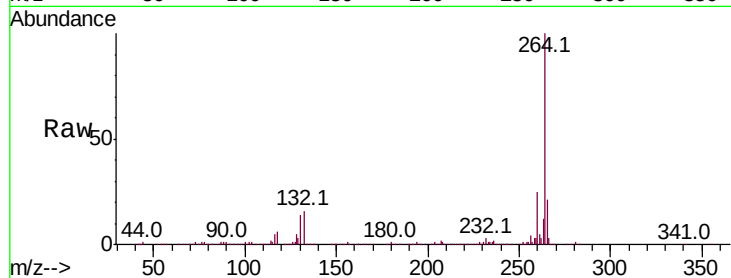
Tot Ion:264 Resp: 488417

Ion Ratio Lower Upper

264 100

260 24.8 19.4 29.2

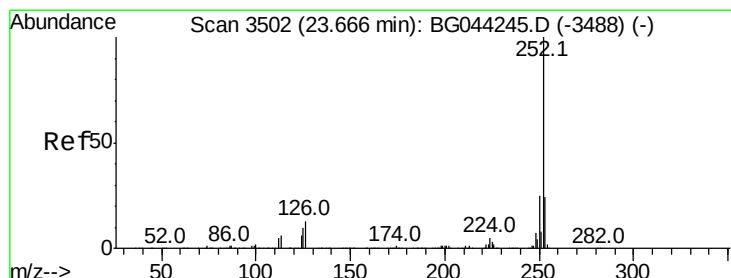
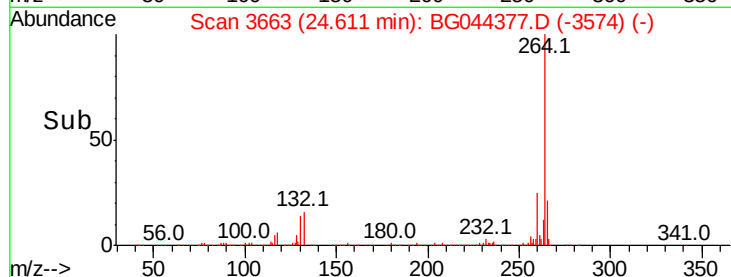
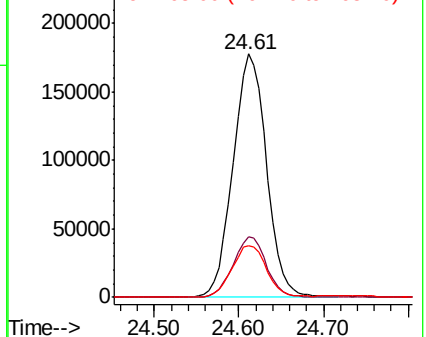
265 21.3 16.7 25.1



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



#88

Benzo(b)fluoranthene

Concen: 4.245 ng

RT: 23.64 min Scan# 3498

Delta R.T. -0.00 min

Lab File: BG044377.D

Acq: 11 Feb 2020 6:29

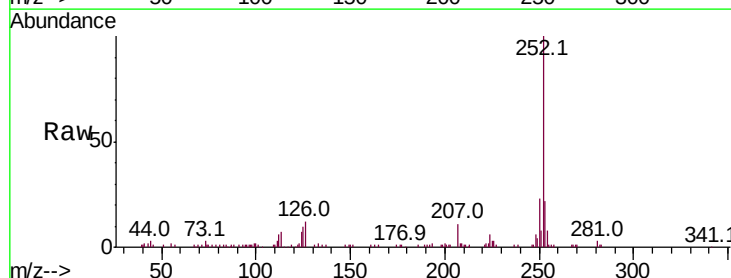
Tgt Ion:252 Resp: 119476

Ion Ratio Lower Upper

252 100

253 21.7 19.2 28.8

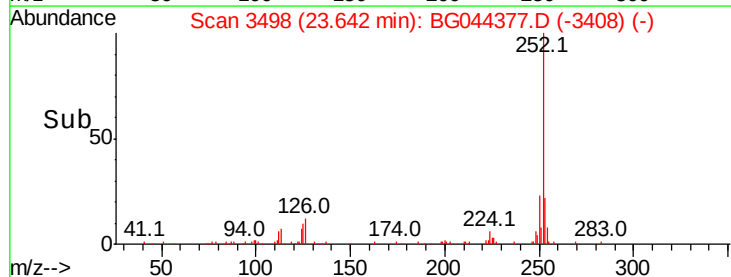
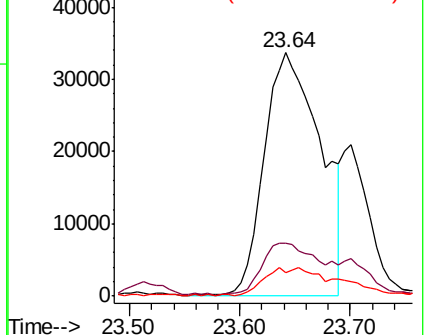
125 9.6 8.4 12.6

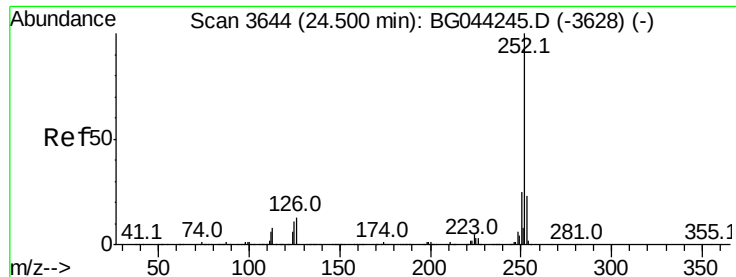


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.955 ng

RT: 24.46 min Scan# 3638

Delta R.T. -0.01 min

Lab File: BG044377.D

Acq: 11 Feb 2020 6:29

Instrument :

BNA_G

ClientSampleId :

S-1-BY-TANK-WEST

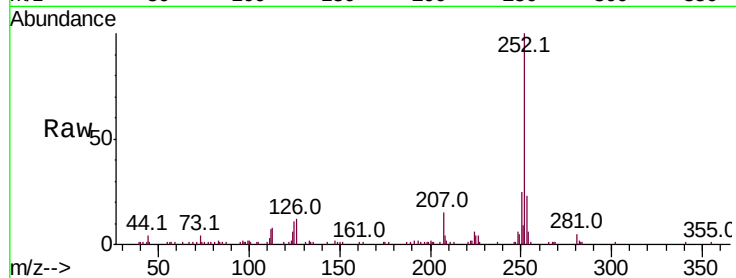
Tot Ion:252 Resp: 78635

Ion Ratio Lower Upper

252 100

253 23.0 18.1 27.1

125 10.7 8.6 13.0



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

