

Data File : BG044065.D
Acq On : 16 Jan 2020 12:45
Operator : JU
Sample : L1125-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FESB-34-(4.5-5)

Quant Time: Jan 17 06:38:48 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	101482	20.00	ng	-0.02
21) Naphthalene-d8	10.74	136	406915	20.00	ng	-0.02
39) Acenaphthene-d10	14.58	164	245895	20.00	ng	-0.02
64) Phenanthrene-d10	17.32	188	516228	20.00	ng	-0.02
76) Chrysene-d12	21.57	240	493544	20.00	ng	-0.02
87) Perylene-d12	24.68	264	568702	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	499682	90.41	ng	-0.02
7) Phenol-d6	7.11	99	682849	88.39	ng	-0.01
23) Nitrobenzene-d5	9.09	82	392996	51.67	ng	-0.03
42) 2,4,6-Tribromophenol	16.06	330	231628	90.01	ng	-0.02
45) 2-Fluorobiphenyl	13.20	172	816089	60.13	ng	-0.02
79) Terphenyl-d14	19.93	244	1140976	48.69	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.14	94	18421	2.314	ng	85
19) n-Nitroso-di-n-propylamine	9.09	70	50457	8.770	ng	# 78
32) Benzoic acid	10.05	122	340	6.330	ng	# 31
50) Dimethylphthalate	14.03	163	63517	3.638	ng	98
51) 2,6-Dinitrotoluene	14.58	165	32335	8.194	ng	# 26
57) 2,4-Dinitrotoluene	14.58	165	32335	6.022	ng	# 27
65) 4,6-Dinitro-2-methylphenol	15.43	198	55	4.409	ng	# 33
67) 4-Bromophenyl-phenylether	16.06	248	16773	2.889	ng	# 1
75) Fluoranthene	19.37	202	64476	2.277	ng	92
88) Benzo(b)fluoranthene	23.69	252	72205	2.148	ng	97
89) Benzo(k)fluoranthene	23.69	252	72205	2.258	ng	97

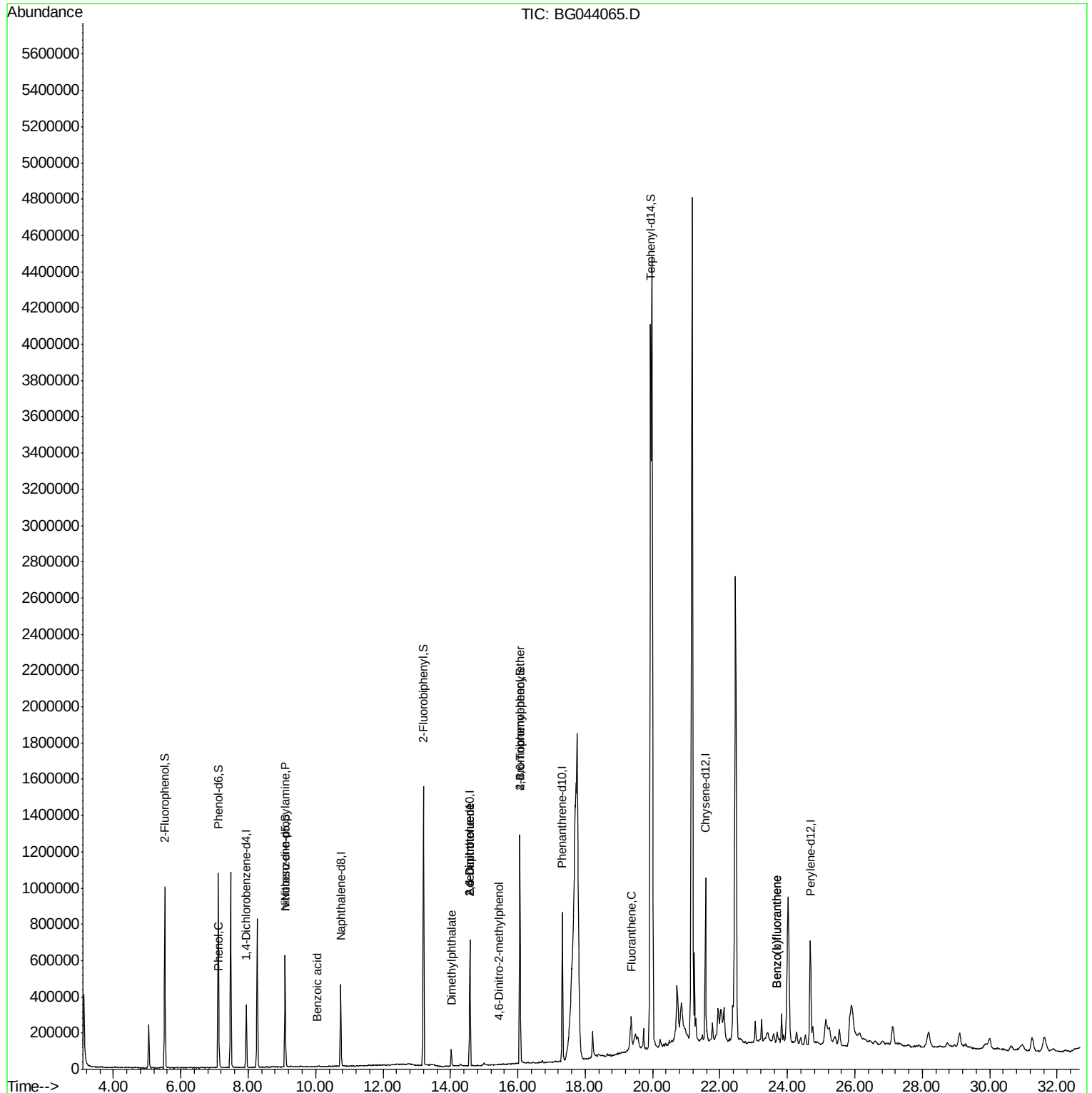
(#) = qualifier out of range (m) = manual integration (+) = signals summed

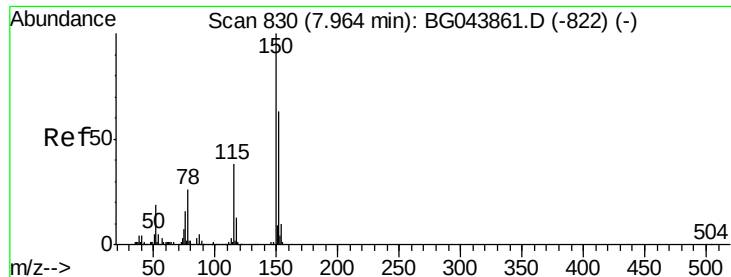
Data File : BG044065.D

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Operator     : JU
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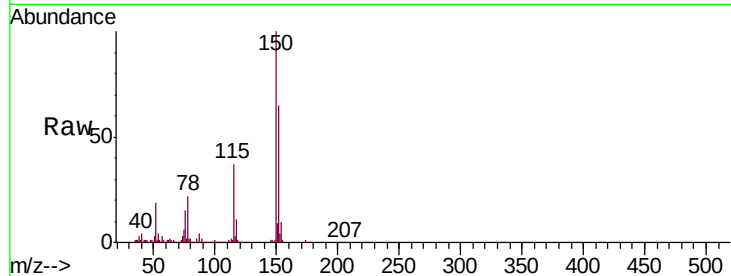


#1

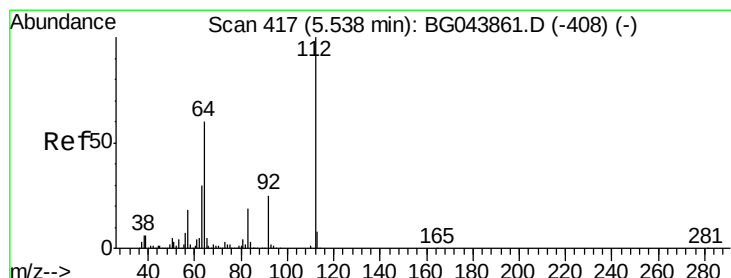
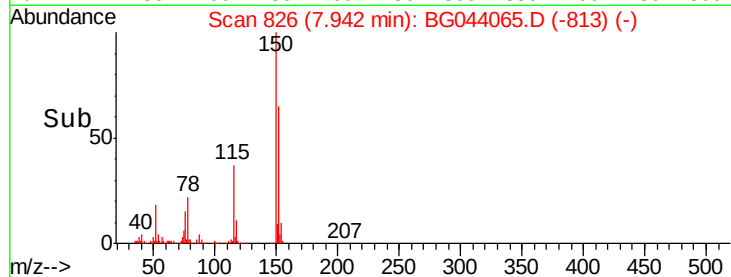
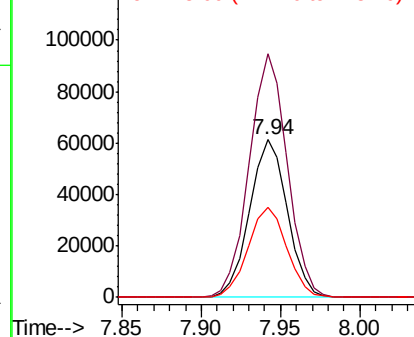
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.94 min Scan# 826
Delta R.T. -0.02 min
Lab File: BG044065.D
Acq: 16 Jan 2020 12:45

Instrument :
BNA_G
ClientSampleId :
FESB-34-(4.5-5)

Tgt Ion:152 Resp: 101482
Ion Ratio Lower Upper
152 100
150 154.8 127.0 190.4
115 57.6 47.8 71.8



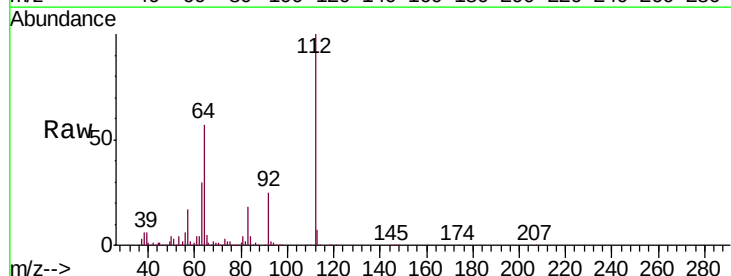
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



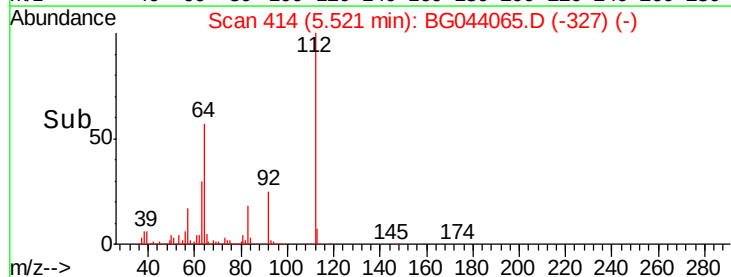
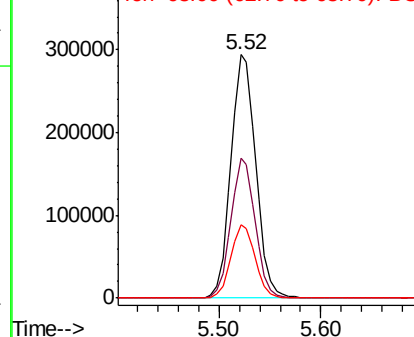
#5

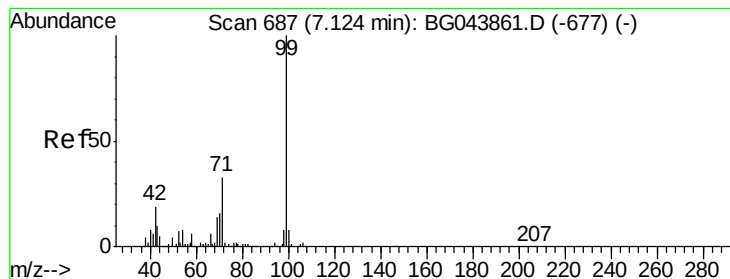
2-Fluorophenol
Concen: 90.408 ng
RT: 5.52 min Scan# 414
Delta R.T. -0.02 min
Lab File: BG044065.D
Acq: 16 Jan 2020 12:45

Tgt Ion:112 Resp: 499682
Ion Ratio Lower Upper
112 100
64 57.3 47.8 71.6
63 30.1 24.3 36.5



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: 88.387 ng

RT: 7.11 min Scan# 685

Delta R.T. -0.01 min

Lab File: BG044065.D

Acq: 16 Jan 2020 12:45

Instrument :

BNA_G

ClientSampleId :

FESB-34-(4.5-5)

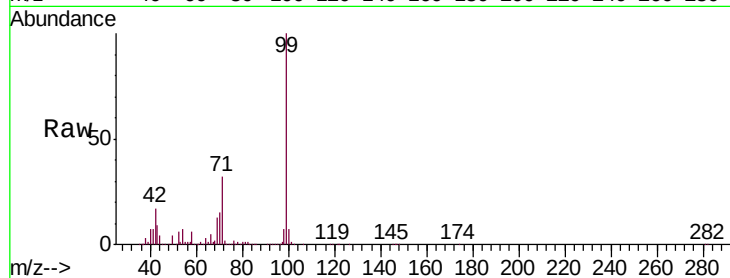
Tgt Ion: 99 Resp: 682849

Ion Ratio Lower Upper

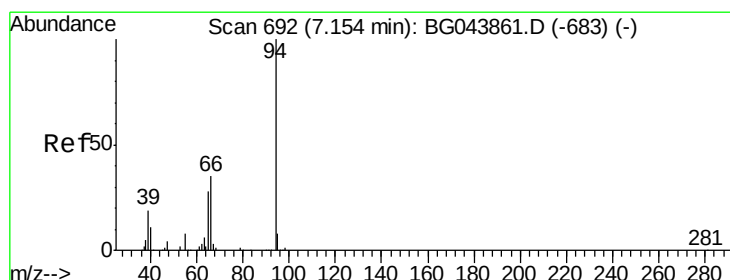
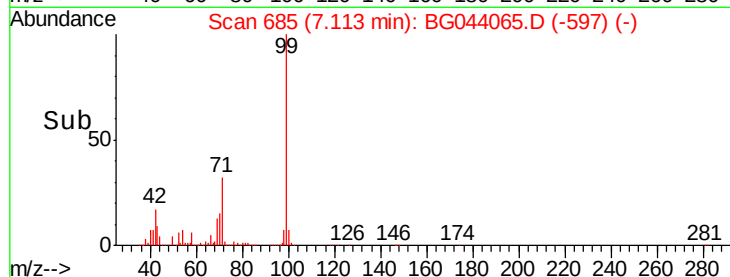
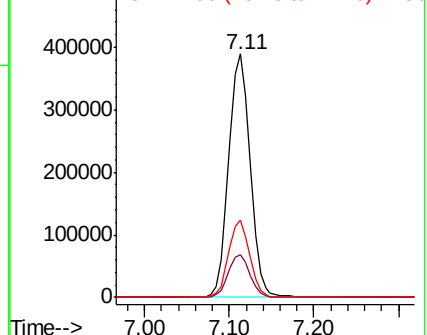
99 100

42 17.5 14.9 22.3

71 31.8 26.4 39.6



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: 2.314 ng

RT: 7.14 min Scan# 689

Delta R.T. -0.02 min

Lab File: BG044065.D

Acq: 16 Jan 2020 12:45

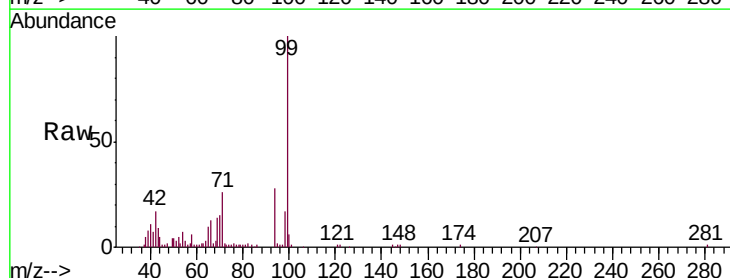
Tgt Ion: 94 Resp: 18421

Ion Ratio Lower Upper

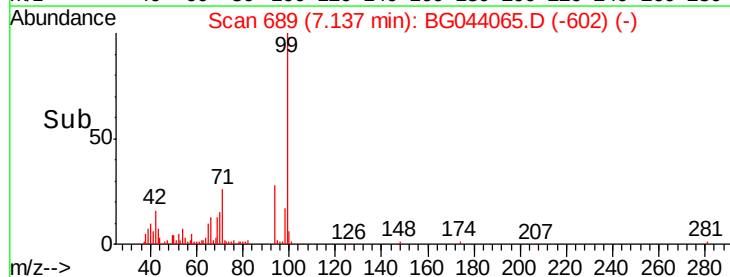
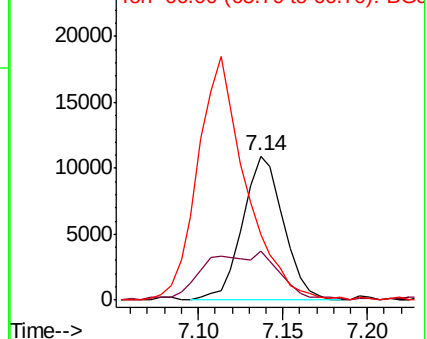
94 100

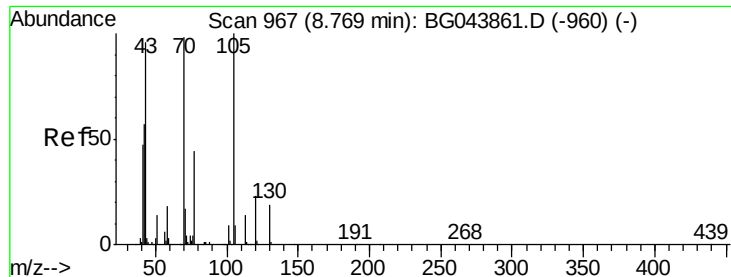
65 34.1 8.1 48.1

66 45.6 15.6 55.6



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

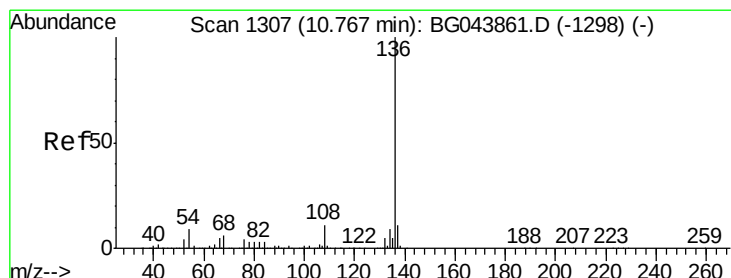
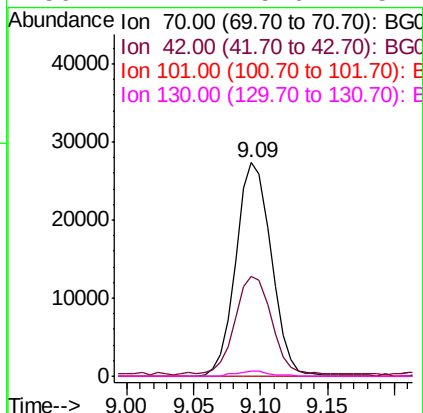
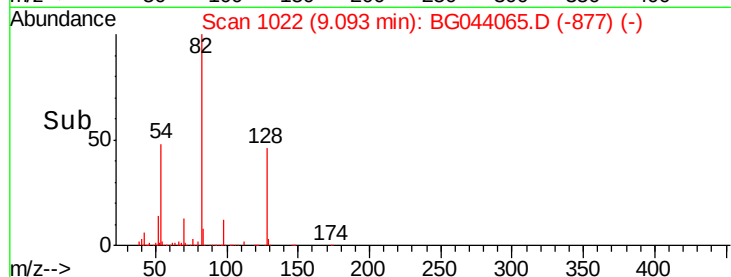
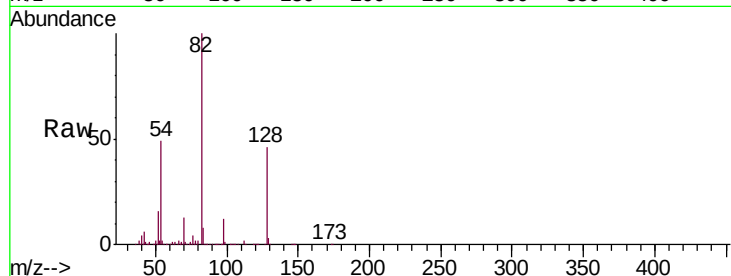




#19
n-Nitroso-di-n-propylamine
Concen: 8.770 ng
RT: 9.09 min Scan# 1022
Delta R.T. 0.32 min
Lab File: BG044065.D
Acq: 16 Jan 2020 12:45

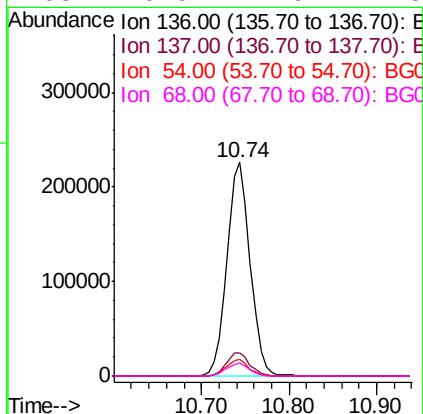
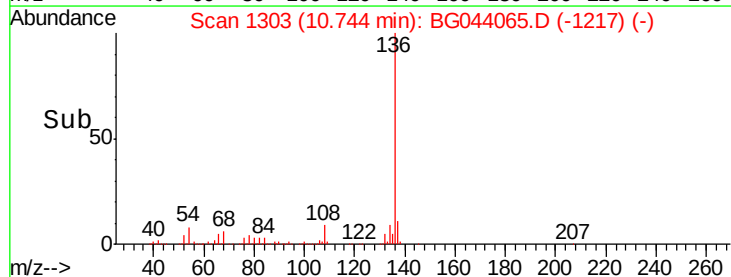
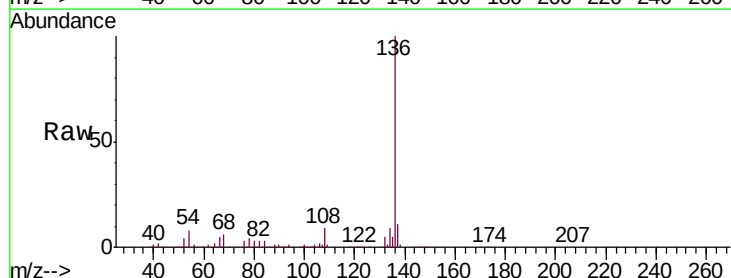
Instrument :
BNA_G
ClientSampleId :
FESB-34-(4.5-5)

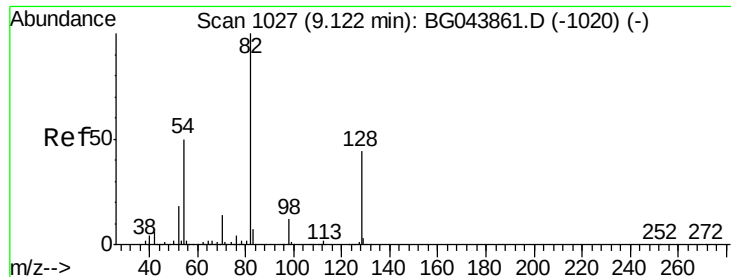
Tgt Ion: 70 Resp: 50457
Ion Ratio Lower Upper
70 100
42 47.0 47.0 70.4
101 0.0 7.2 10.8#
130 2.4 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.74 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BG044065.D
Acq: 16 Jan 2020 12:45

Tgt Ion: 136 Resp: 406915
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 7.8 7.0 10.4
68 6.0 4.9 7.3

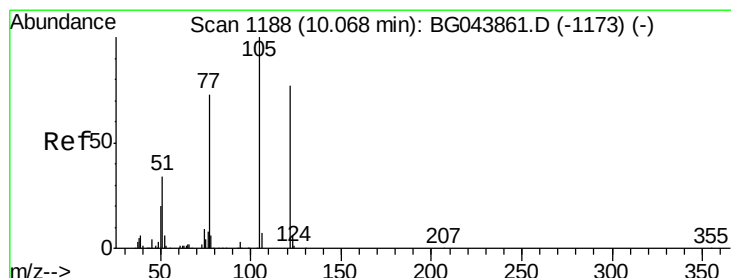
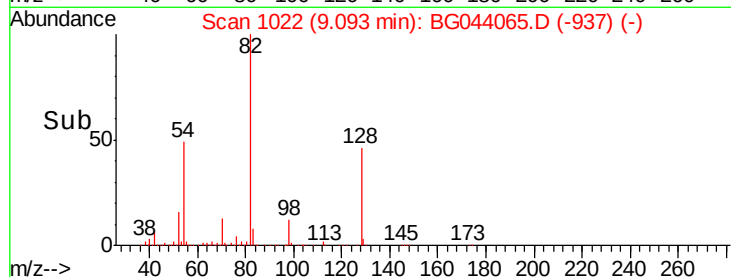
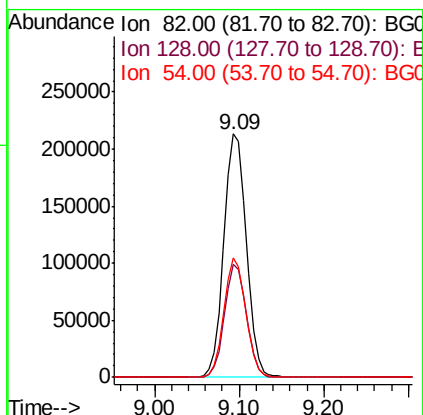
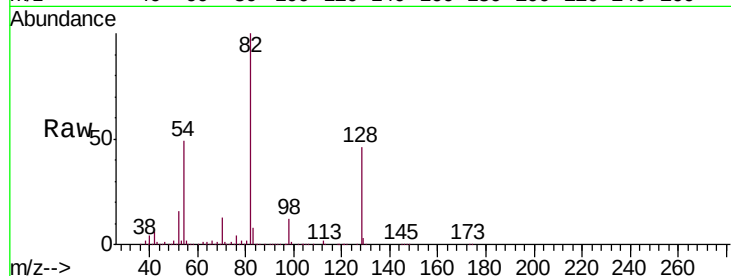




#23
 Nitrobenzene-d5
 Concen: 51.666 ng
 RT: 9.09 min Scan# 1022
 Delta R.T. -0.03 min
 Lab File: BG044065.D
 Acq: 16 Jan 2020 12:45

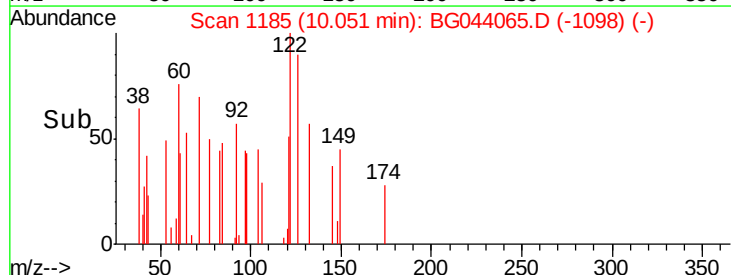
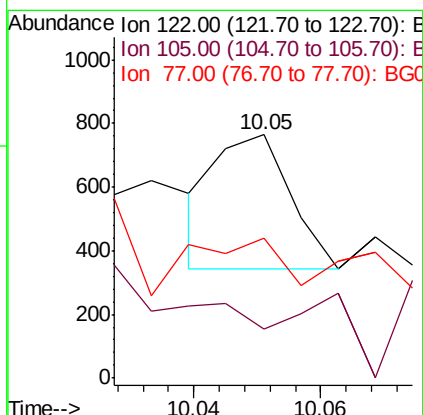
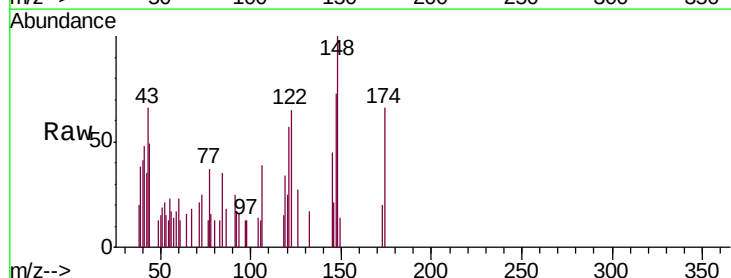
Instrument :
 BNA_G
 ClientSampleId :
 FESB-34-(4.5-5)

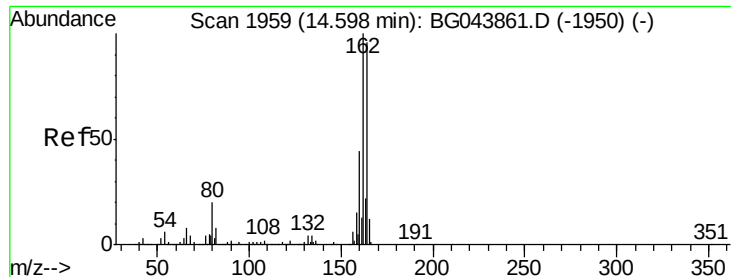
Tgt Ion: 82 Resp: 392996
 Ion Ratio Lower Upper
 82 100
 128 46.2 35.1 52.7
 54 48.8 40.1 60.1



#32
 Benzoic acid
 Concen: 6.330 ng
 RT: 10.05 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BG044065.D
 Acq: 16 Jan 2020 12:45

Tgt Ion: 122 Resp: 340
 Ion Ratio Lower Upper
 122 100
 105 20.3 106.4 146.4#
 77 57.4 74.6 114.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.58 min Scan# 1955

Delta R.T. -0.02 min

Lab File: BG044065.D

Acq: 16 Jan 2020 12:45

Instrument :

BNA_G

ClientSampleId :

FESB-34-(4.5-5)

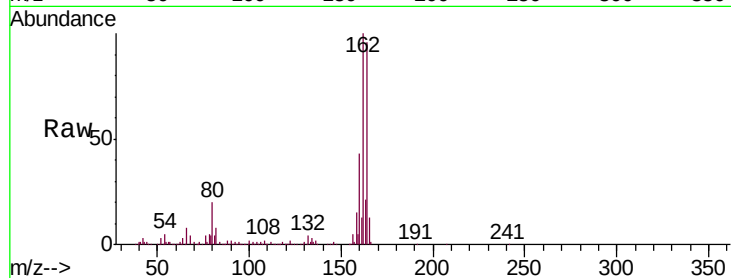
Tgt Ion:164 Resp: 245895

Ion Ratio Lower Upper

164 100

162 104.1 83.0 124.4

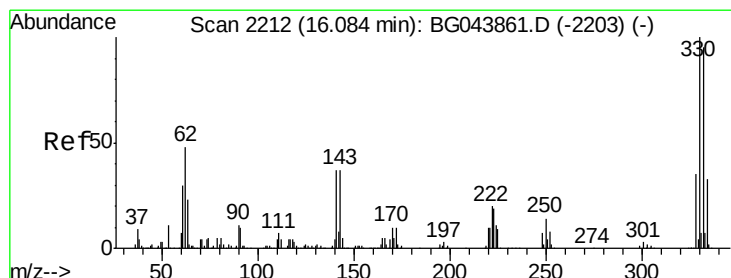
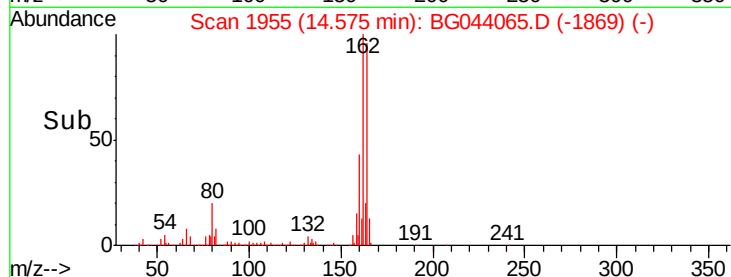
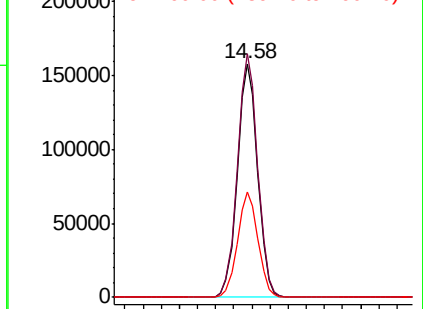
160 45.2 36.1 54.1



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: 90.014 ng

RT: 16.06 min Scan# 2208

Delta R.T. -0.02 min

Lab File: BG044065.D

Acq: 16 Jan 2020 12:45

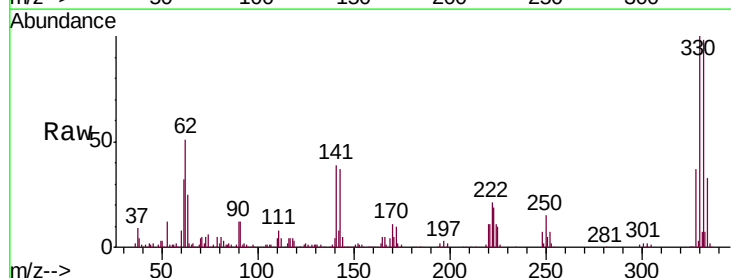
Tgt Ion:330 Resp: 231628

Ion Ratio Lower Upper

330 100

332 96.8 77.2 115.8

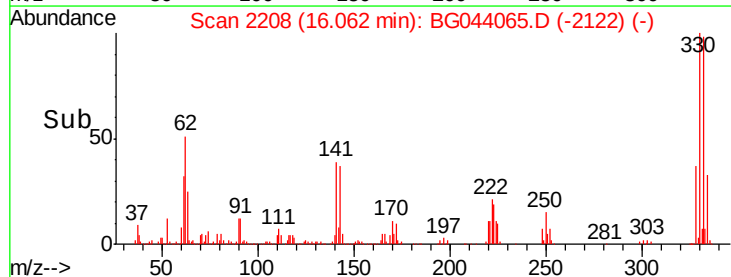
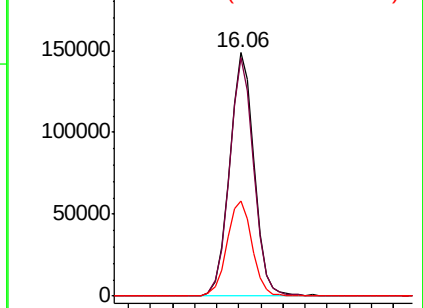
141 40.2 33.1 49.7

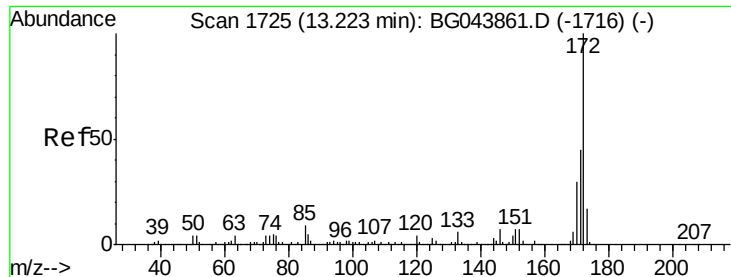


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

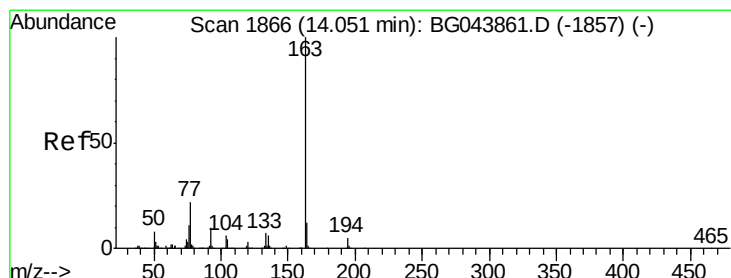
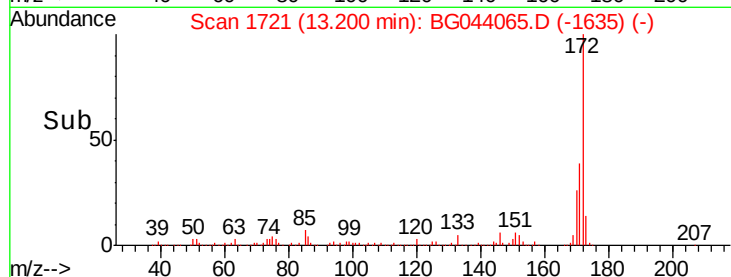
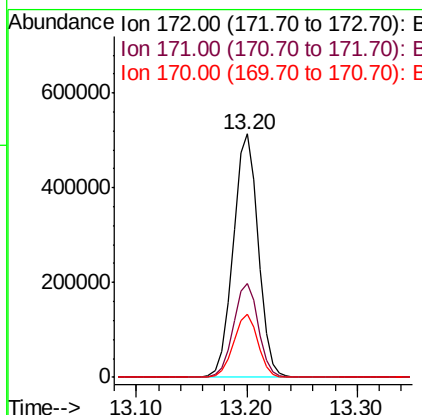
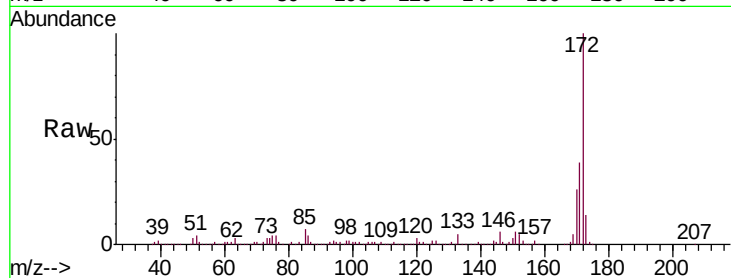




#45
2-Fluorobiphenyl
Concen: 60.130 ng
RT: 13.20 min Scan# 1721
Delta R.T. -0.02 min
Lab File: BG044065.D
Acq: 16 Jan 2020 12:45

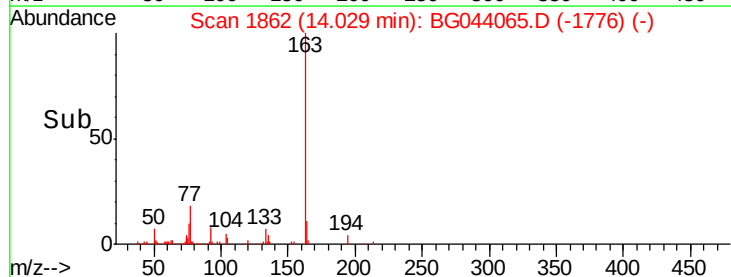
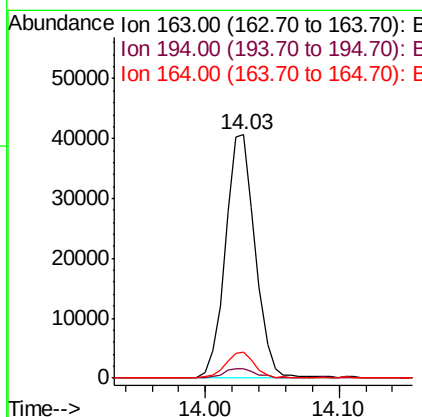
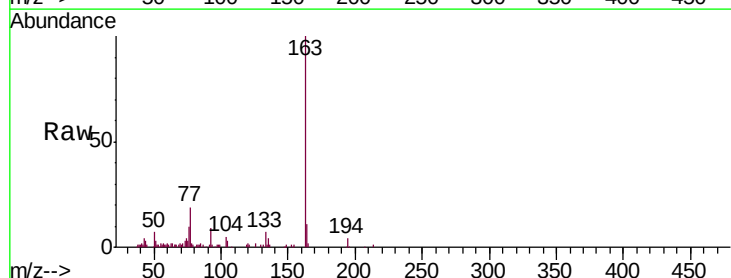
Instrument :
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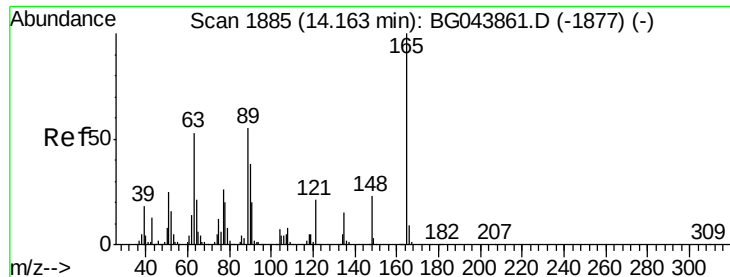
Tgt Ion:172 Resp: 816089
Ion Ratio Lower Upper
172 100
171 38.6 35.8 53.8
170 25.8 24.2 36.4



#50
Dimethylphthalate
Concen: 3.638 ng
RT: 14.03 min Scan# 1862
Delta R.T. -0.02 min
Lab File: BG044065.D
Acq: 16 Jan 2020 12:45

Tgt Ion:163 Resp: 63517
Ion Ratio Lower Upper
163 100
194 3.7 3.7 5.5
164 10.7 9.3 13.9





#51

2,6-Dinitrotoluene

Concen: 8.194 ng

RT: 14.58 min Scan# 1955

Delta R.T. 0.41 min

Lab File: BG044065.D

Acq: 16 Jan 2020 12:45

Instrument :

BNA_G

ClientSampleId :

FESB-34-(4.5-5)

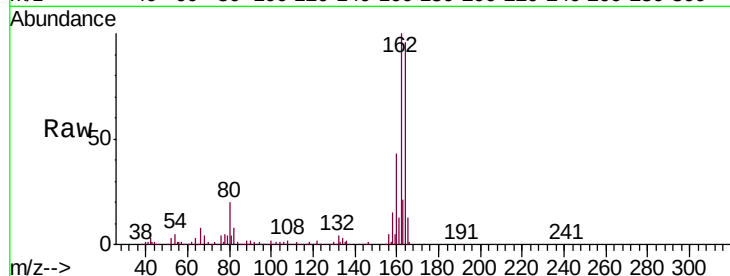
Tgt Ion:165 Resp: 32335

Ion Ratio Lower Upper

165 100

63 1.7 43.1 64.7#

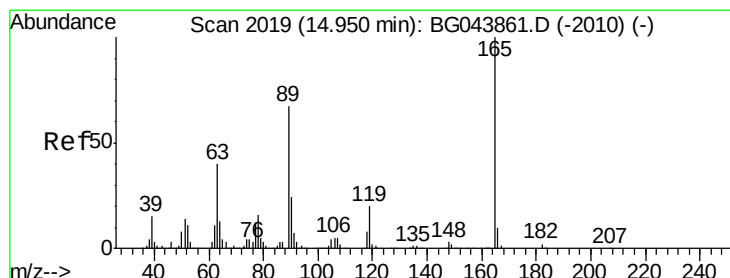
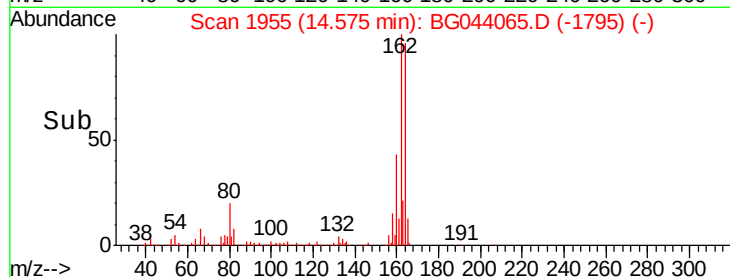
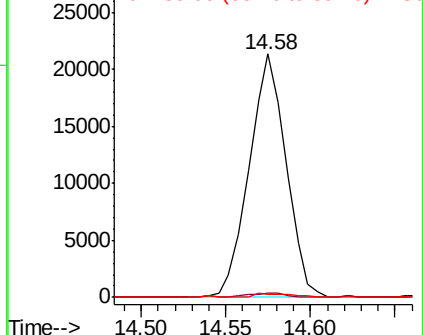
89 1.0 43.8 65.6#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#57

2,4-Dinitrotoluene

Concen: 6.022 ng

RT: 14.58 min Scan# 1955

Delta R.T. -0.38 min

Lab File: BG044065.D

Acq: 16 Jan 2020 12:45

Tgt Ion:165 Resp: 32335

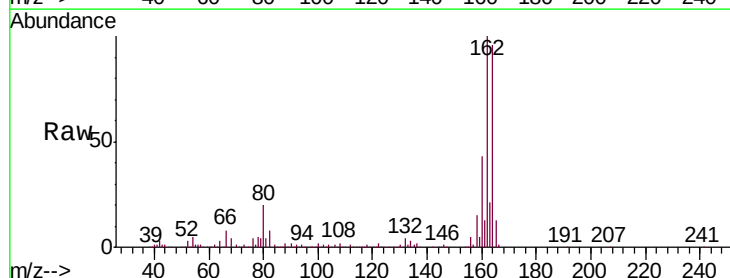
Ion Ratio Lower Upper

165 100

63 1.7 31.9 47.9#

89 1.0 53.8 80.6#

182 0.0 2.0 3.0#

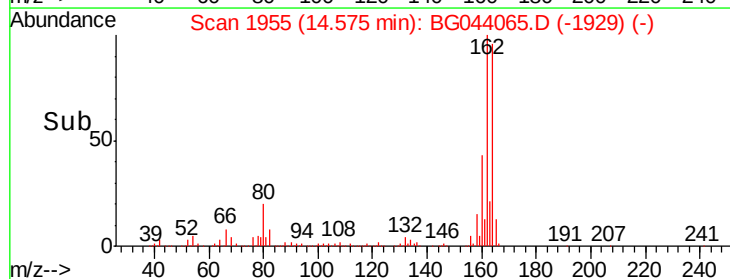
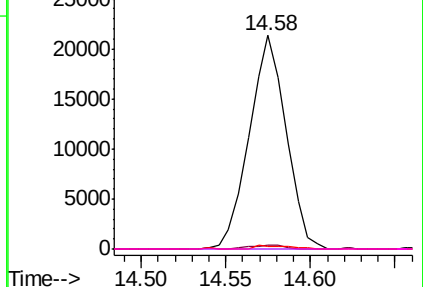


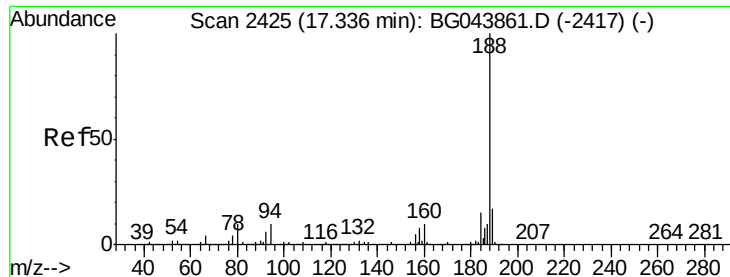
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

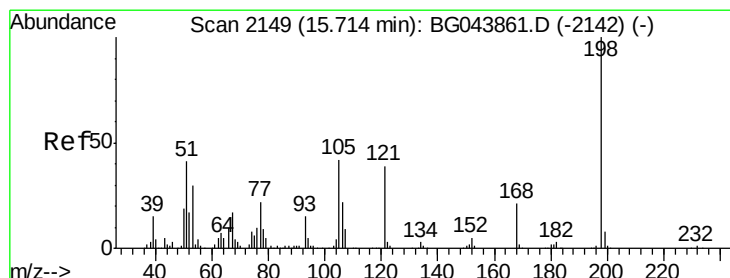
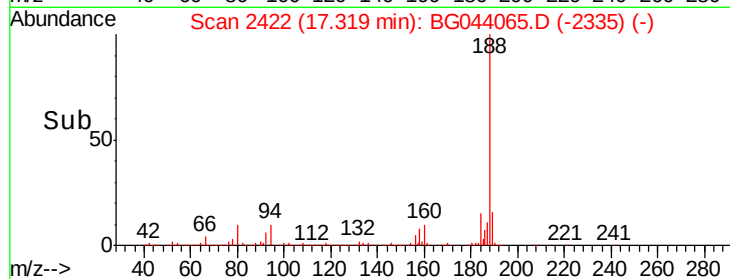
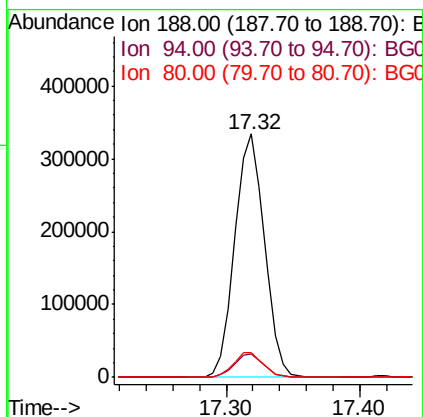
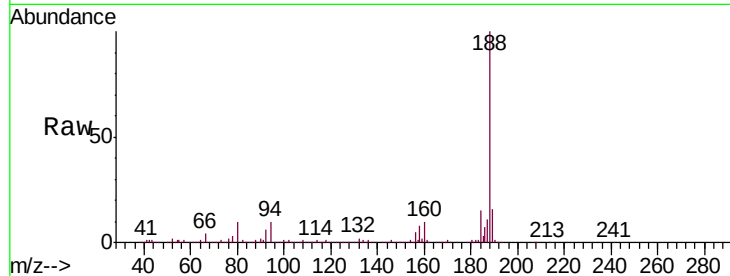




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.32 min Scan# 2422
Delta R.T. -0.02 min
Lab File: BG044065.D
Acq: 16 Jan 2020 12:45

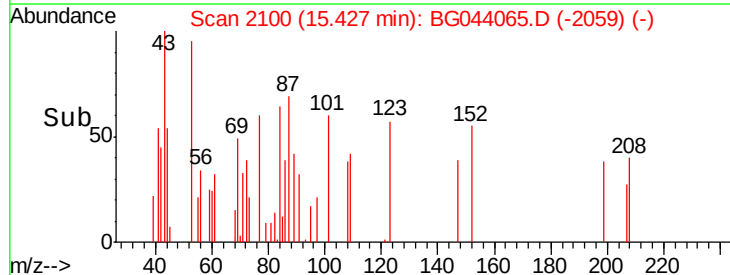
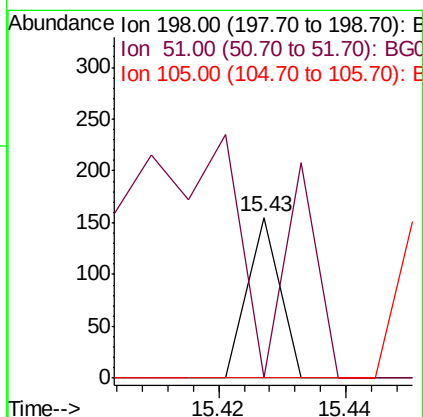
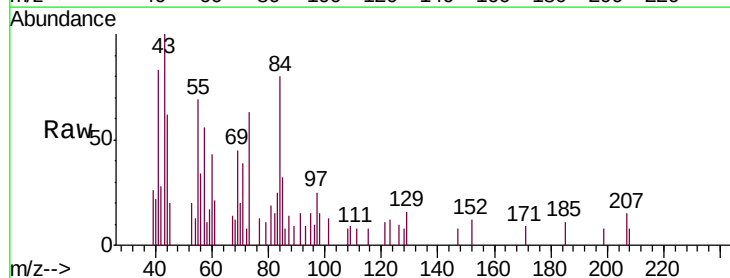
Instrument :
BNA_G
ClientSampleId :
FESB-34-(4.5-5)

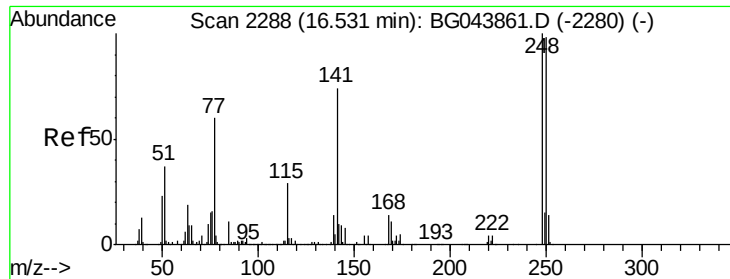
Tgt Ion:188 Resp: 516228
Ion Ratio Lower Upper
188 100
94 9.5 7.9 11.9
80 10.3 8.2 12.4



#65
4,6-Dinitro-2-methylphenol
Concen: 4.409 ng
RT: 15.43 min Scan# 2100
Delta R.T. -0.29 min
Lab File: BG044065.D
Acq: 16 Jan 2020 12:45

Tgt Ion:198 Resp: 55
Ion Ratio Lower Upper
198 100
51 0.0 22.5 62.5#
105 0.0 22.3 62.3#

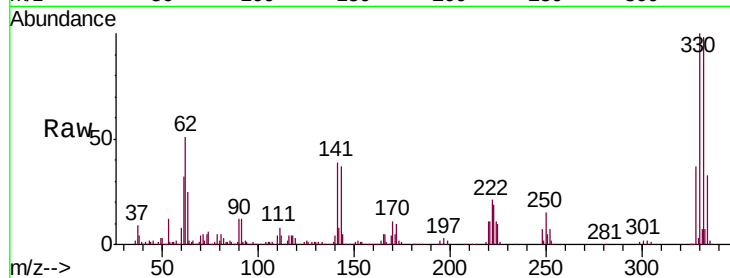




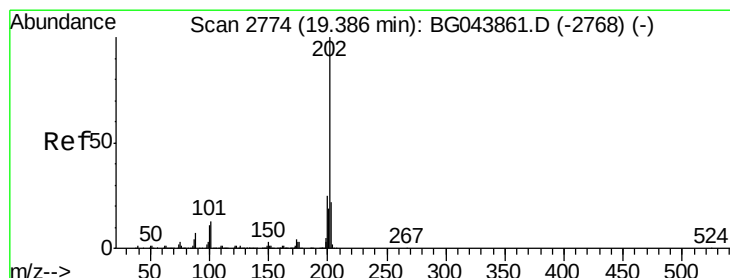
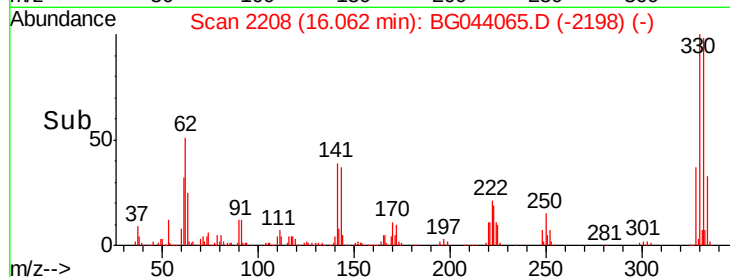
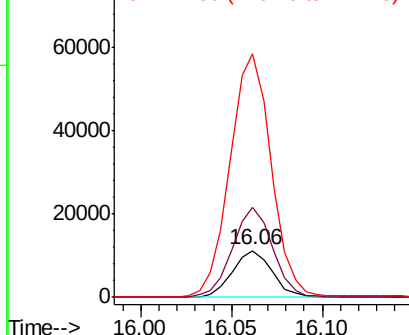
#67
 4-Bromophenyl-phenylether
 Concen: 2.889 ng
 RT: 16.06 min Scan# 2208
 Delta R.T. -0.47 min
 Lab File: BG044065.D
 Acq: 16 Jan 2020 12:45

Instrument :
 BNA_G
 ClientSampleId :
 FESB-34-(4.5-5)

Tgt Ion:248 Resp: 16773
 Ion Ratio Lower Upper
 248 100
 250 193.6 78.2 117.2#
 141 523.9 59.3 88.9#

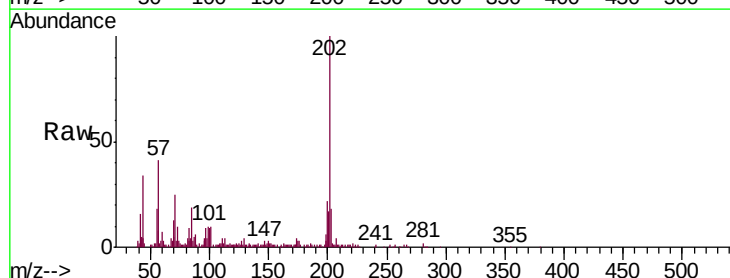


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

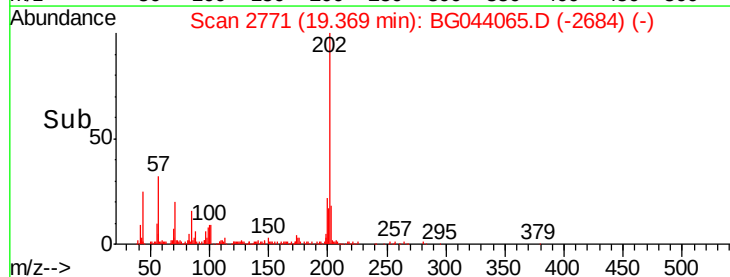
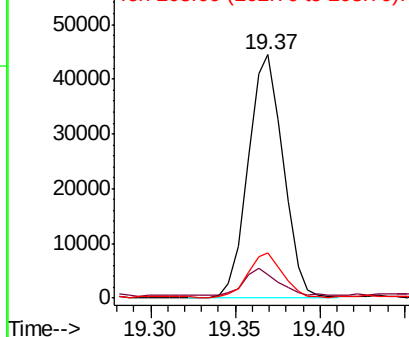


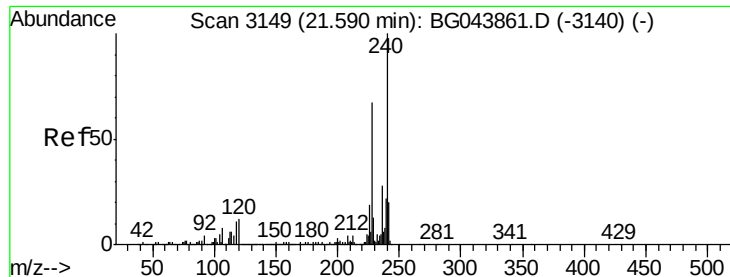
#75
 Fluoranthene
 Concen: 2.277 ng
 RT: 19.37 min Scan# 2771
 Delta R.T. -0.02 min
 Lab File: BG044065.D
 Acq: 16 Jan 2020 12:45

Tgt Ion:202 Resp: 64476
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 33.3
 203 18.4 1.6 41.6



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: 21.57 min Scan# 3145

Delta R.T. -0.02 min

Lab File: BG044065.D

Acq: 16 Jan 2020 12:45

Instrument :

BNA_G

ClientSampleId :

FESB-34-(4.5-5)

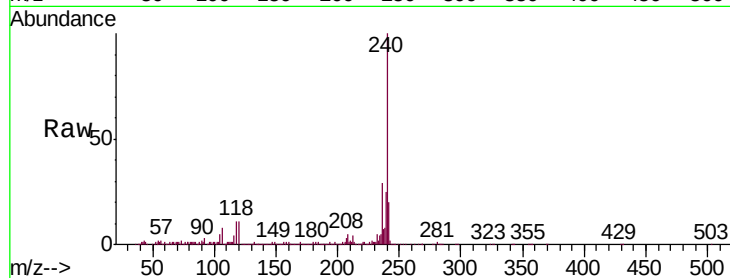
Tgt Ion:240 Resp: 493544

Ion Ratio Lower Upper

240 100

120 11.0 9.6 14.4

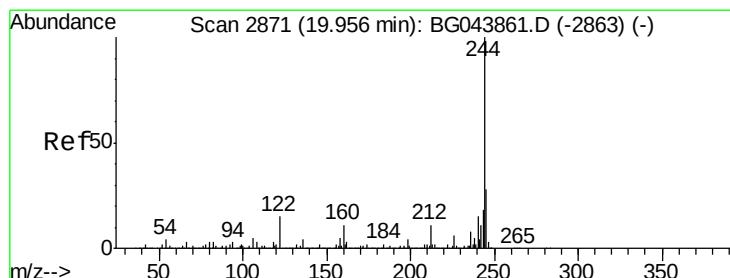
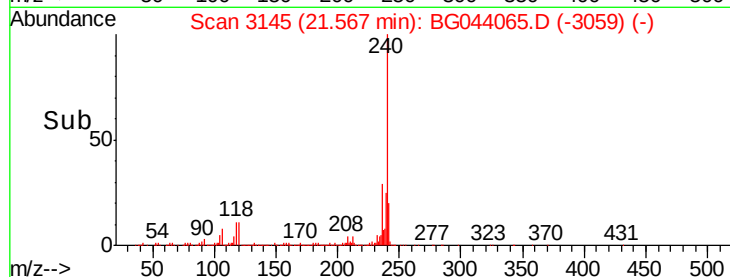
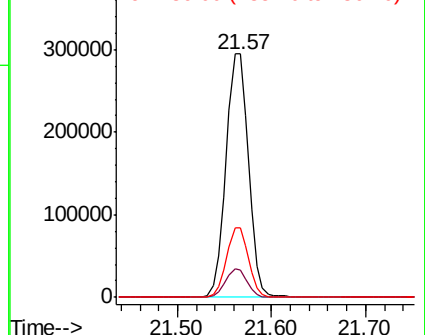
236 28.5 22.2 33.2



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: 48.693 ng

RT: 19.93 min Scan# 2867

Delta R.T. -0.02 min

Lab File: BG044065.D

Acq: 16 Jan 2020 12:45

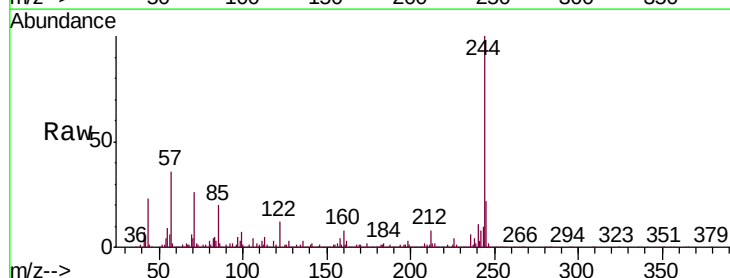
Tgt Ion:244 Resp: 1140976

Ion Ratio Lower Upper

244 100

212 8.5 8.6 13.0#

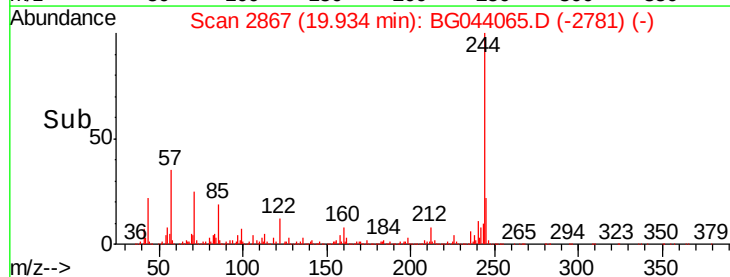
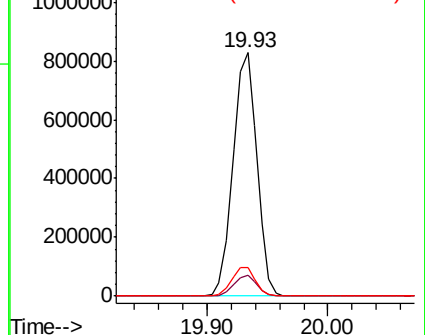
122 11.6 11.9 17.9#

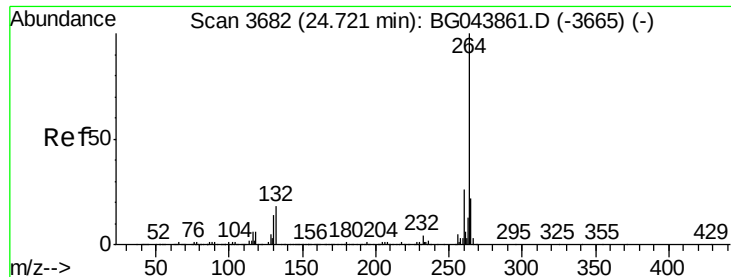


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.68 min Scan# 3675

Delta R.T. -0.04 min

Lab File: BG044065.D

Acq: 16 Jan 2020 12:45

Instrument :

BNA_G

ClientSampleId :

FESB-34-(4.5-5)

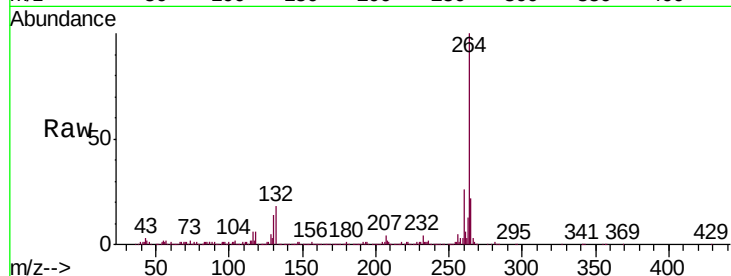
Tgt Ion:264 Resp: 568702

Ion Ratio Lower Upper

264 100

260 25.8 20.4 30.6

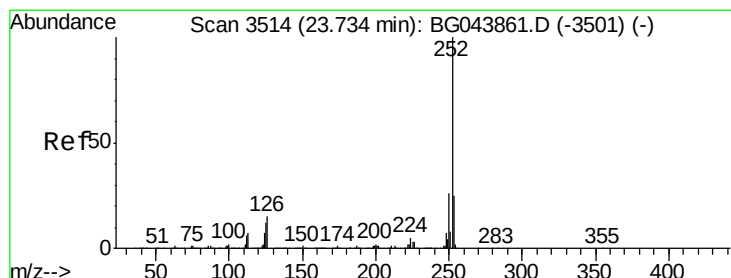
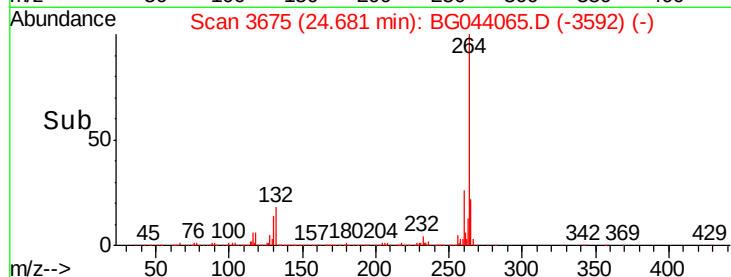
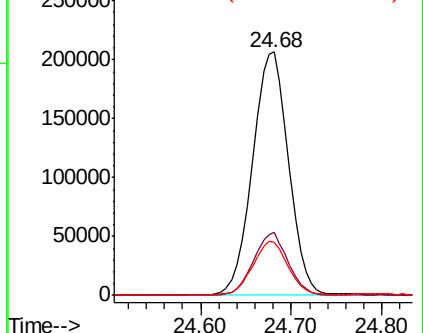
265 21.8 17.4 26.2



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: 2.148 ng

RT: 23.69 min Scan# 3507

Delta R.T. -0.04 min

Lab File: BG044065.D

Acq: 16 Jan 2020 12:45

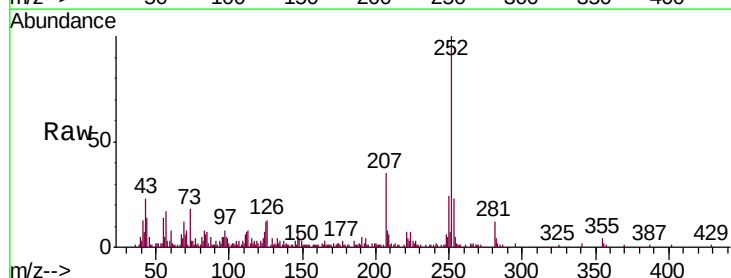
Tgt Ion:252 Resp: 72205

Ion Ratio Lower Upper

252 100

253 22.5 19.7 29.5

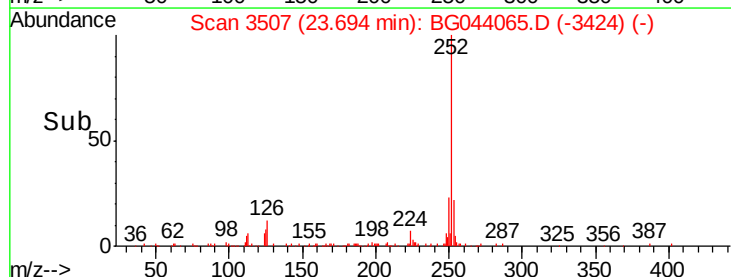
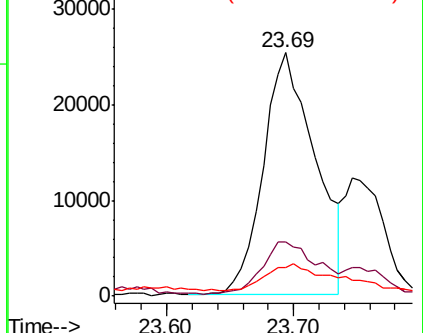
125 12.0 9.4 14.2

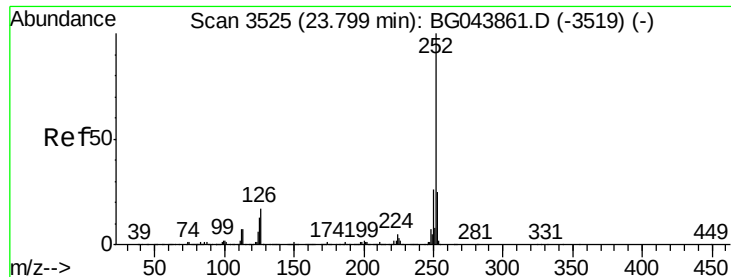


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.258 ng

RT: 23.69 min Scan# 3507

Delta R.T. -0.11 min

Lab File: BG044065.D

Acq: 16 Jan 2020 12:45

Instrument :

BNA_G

ClientSampleId :

FESB-34-(4.5-5)

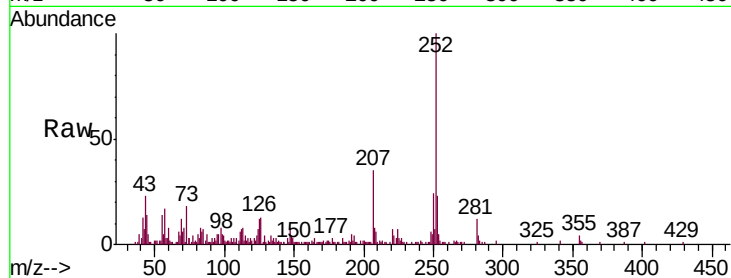
Tgt Ion: 252 Resp: 72205

Ion Ratio Lower Upper

252 100

253 22.5 19.4 29.2

125 12.0 9.9 14.9



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

