

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053019\
 Data File : BG040951.D
 Acq On : 30 May 2019 14:29
 Operator : HP/JU
 Sample : K2966-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FESB-18(2.5-3.0)

Manual Integrations
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Quant Time: May 31 04:08:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	76032	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	312565	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	220011	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	494927	20.00	ng	0.00
76) Chrysene-d12	21.78	240	475524	20.00	ng	0.00
87) Perylene-d12	25.13	264	531209	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.66	112	382365	90.68	ng	0.00
7) Phenol-d6	7.27	99	585019	89.84	ng	0.00
23) Nitrobenzene-d5	9.30	82	409296	58.13	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	235413	72.08	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	647299	42.37	ng	0.00
79) Terphenyl-d14	20.09	244	892142	39.82	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	14.20	163	159183	8.547	ng	99
52) Acenaphthene	14.82	154	26045	2.043	ng	97
58) Fluorene	15.80	166	45923	2.688	ng	99
71) Phenanthrene	17.54	178	824728	31.991	ng	98
72) Anthracene	17.63	178	123612	4.862	ng	99
73) Carbazole	17.90	167	72109	3.305	ng	97
75) Fluoranthene	19.55	202	1686269	52.956	ng	96
78) Pyrene	19.91	202	1564583	50.614	ng	97
81) Benzo(a)anthracene	21.76	228	860466	27.184	ng	97
83) Chrysene	21.83	228	886165	29.255	ng	97
86) Indeno(1,2,3-cd)pyrene	28.97	276	535923	14.443	ng	95
88) Benzo(b)fluoranthene	24.06	252	1062140	32.966	ng	98
89) Benzo(k)fluoranthene	24.12	252	393171m	12.331	ng	
90) Benzo(a)pyrene	24.97	252	807691	26.275	ng	98
91) Dibenzo(a,h)anthracene	29.00	278	140089	4.561	ng	93
92) Benzo(g,h,i)perylene	30.16	276	507722m	17.014	ng	

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

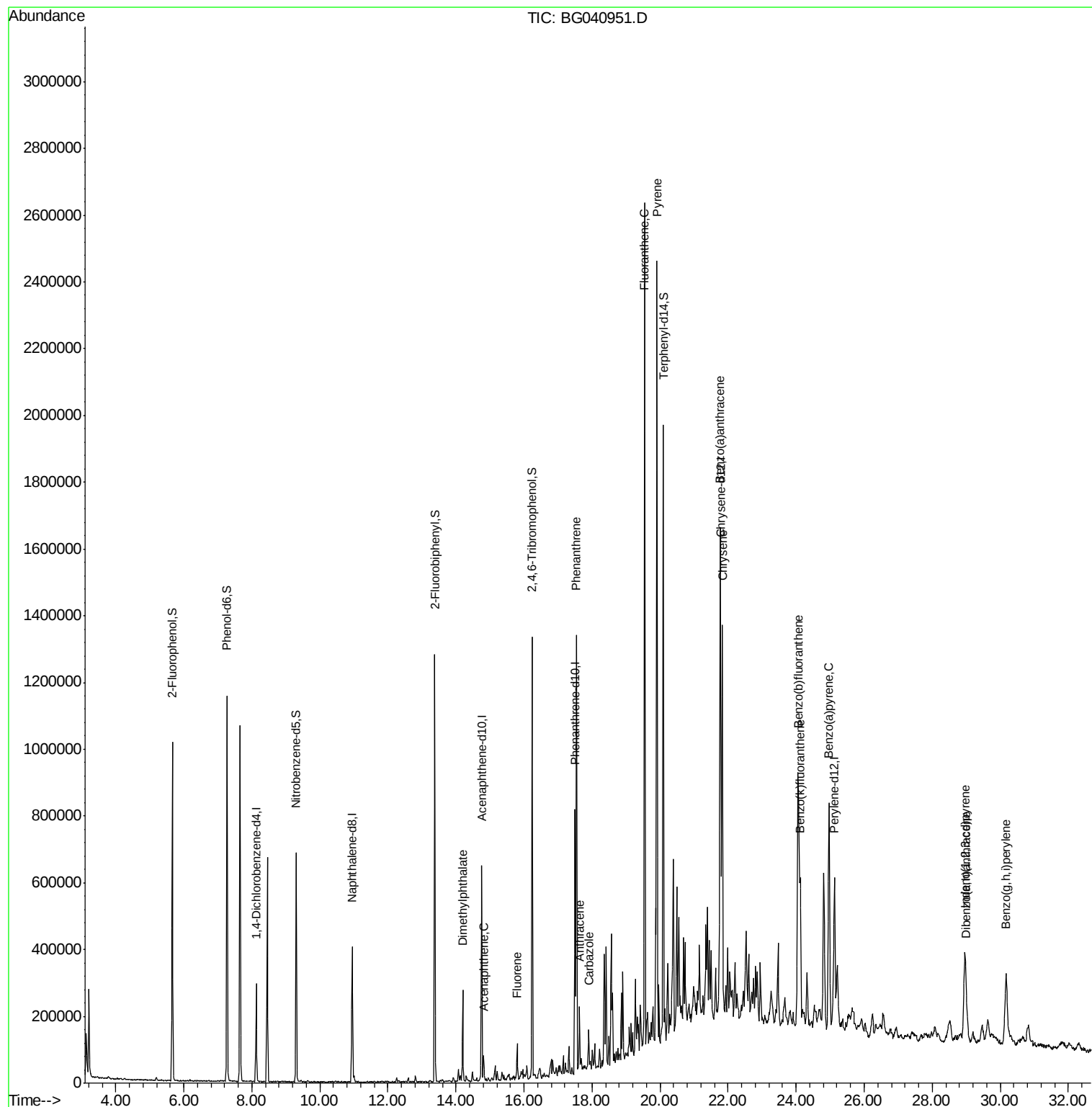
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053019\
Data File : BG040951.D
Acq On : 30 May 2019 14:29
Operator : HP/JU
Sample : K2966-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

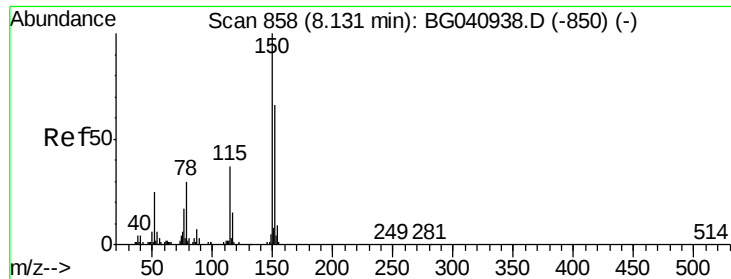
Instrument :
BNA_G
ClientSampled :
FESB-18(2.5-3.0)

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Quant Time: May 31 04:08:26 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

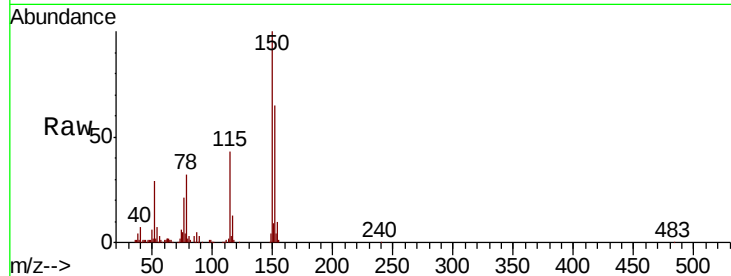
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.13 min Scan# 857
Delta R.T. -0.01 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	120.6	180.8
115	65.9	45.1	67.7

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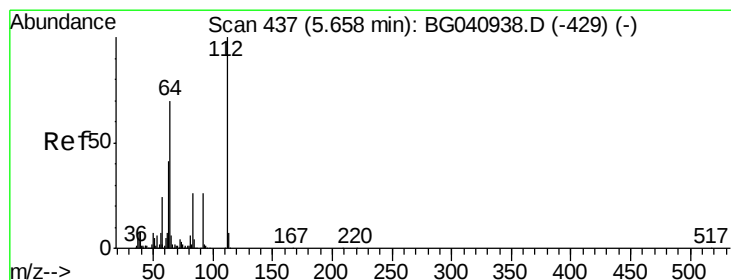
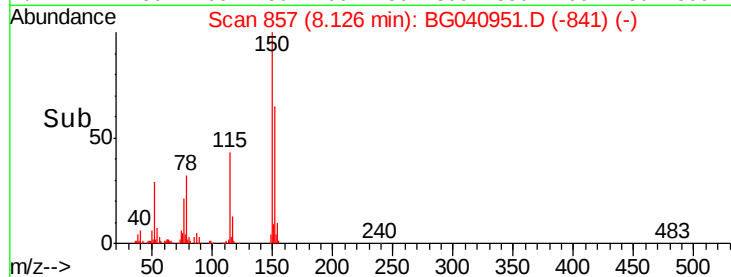
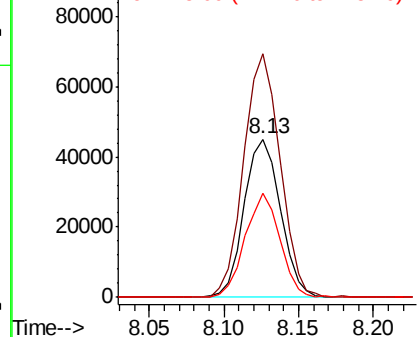


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

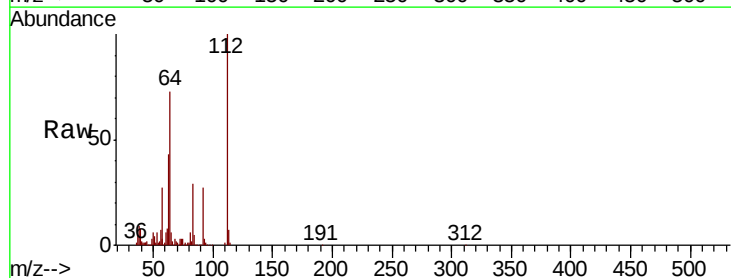
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 90.684 ng
RT: 5.66 min Scan# 437
Delta R.T. 0.00 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.8	56.2	84.2
63	42.9	32.8	49.2

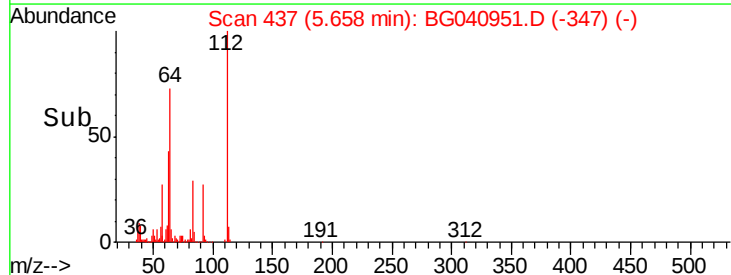
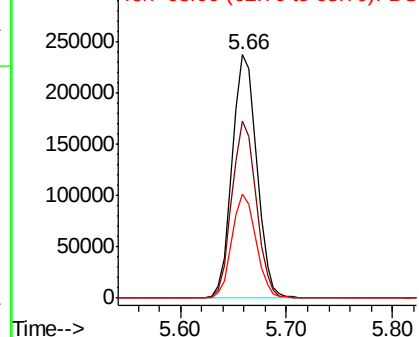


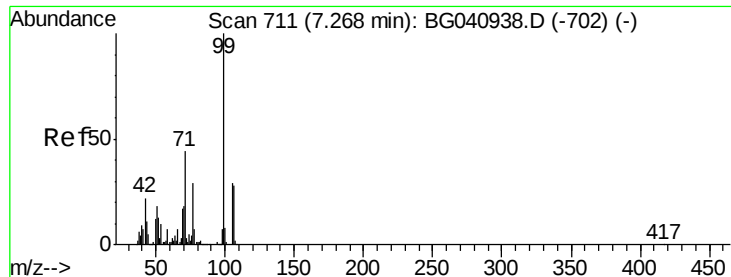
Abundance

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: 89.838 ng

RT: 7.27 min Scan# 711

Delta R.T. 0.00 min

Lab File: BG040951.D

Acq: 30 May 2019 14:29

Instrument :

BNA_G

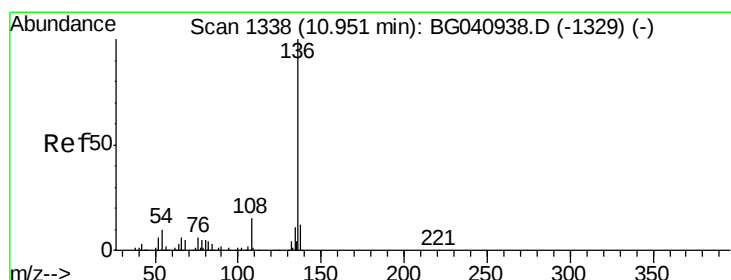
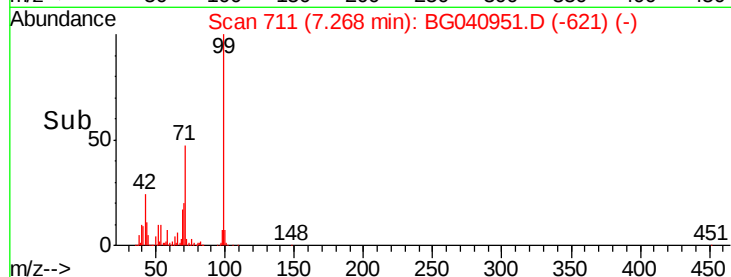
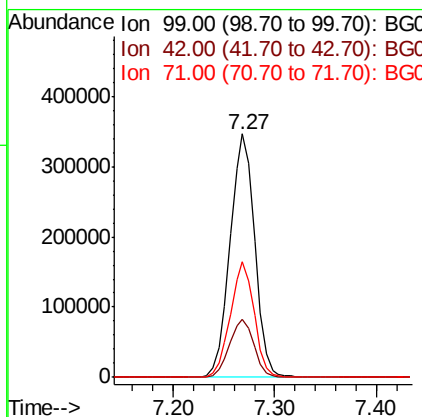
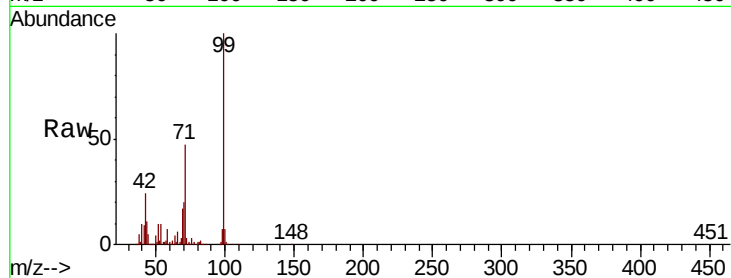
ClientSampleId :

FESB-18(2.5-3.0)

Tot Ion:	99	Resp:	585019
Ion	Ratio	Lower	Upper
99	100		
42	23.7	17.9	26.9
71	47.4	35.4	53.0

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#21

Naphthalene-d8

Concen: 20.000 ng

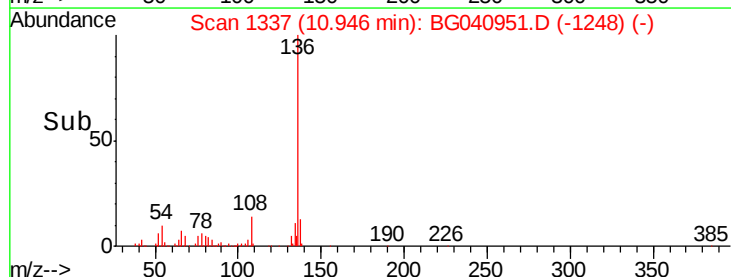
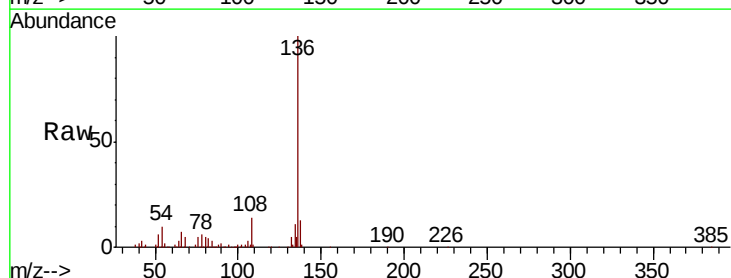
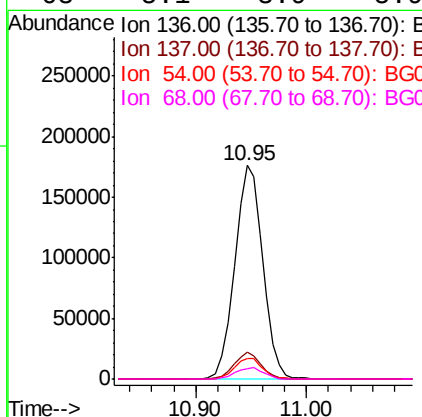
RT: 10.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BG040951.D

Acq: 30 May 2019 14:29

Tgt Ion:	136	Resp:	312565
Ion	Ratio	Lower	Upper
136	100		
137	12.7	9.5	14.3
54	9.6	7.6	11.4
68	5.1	3.9	5.9





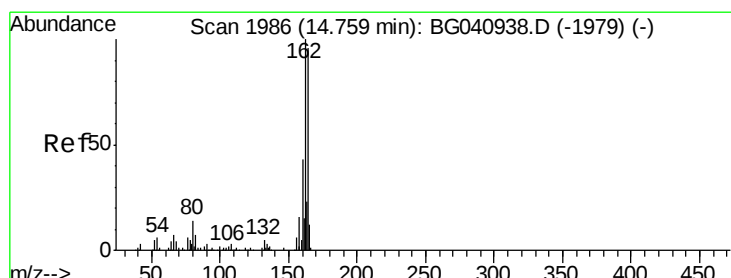
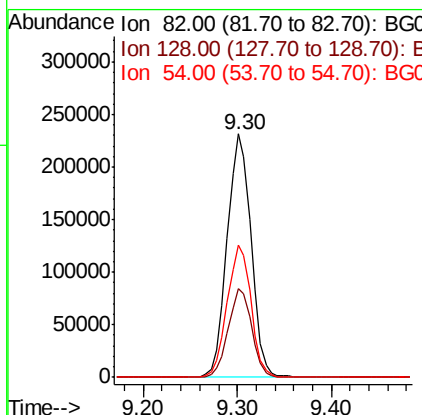
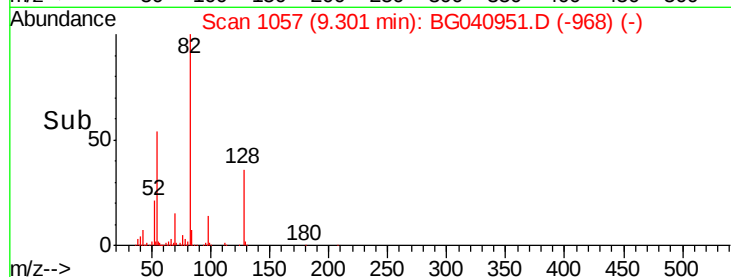
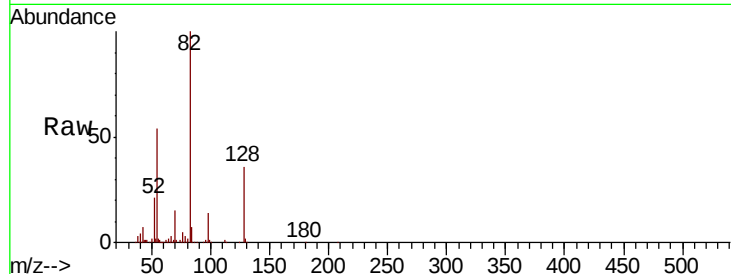
#23
 Nitrobenzene-d5
 Concen: 58.132 ng
 RT: 9.30 min Scan# 1057
 Delta R.T. -0.01 min
 Lab File: BG040951.D
 Acq: 30 May 2019 14:29

Instrument :
 BNA_G
 ClientSampleId :
 FESB-18(2.5-3.0)

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.2	30.5	45.7
54	54.1	44.6	66.8

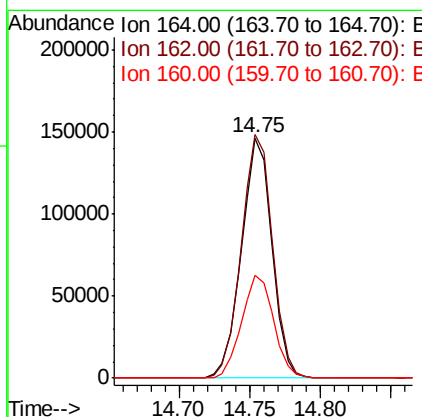
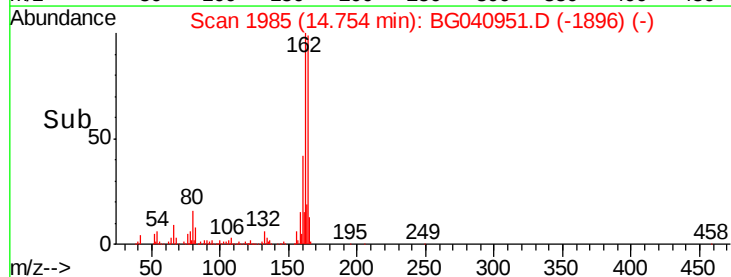
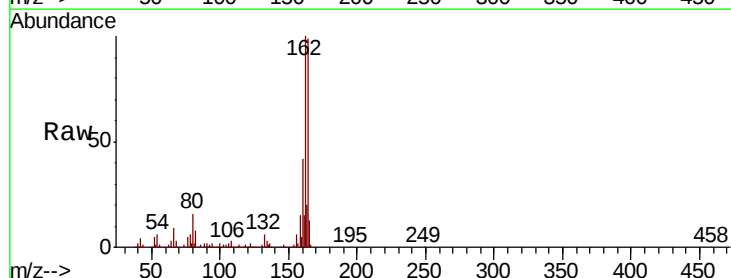
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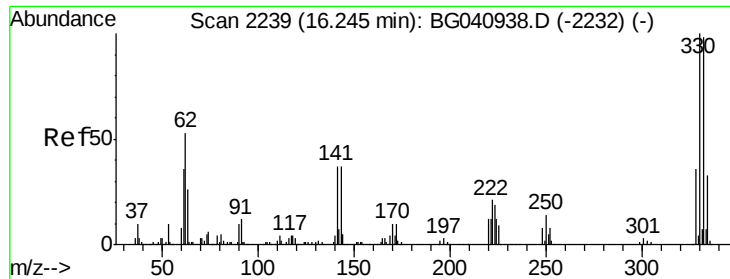
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.75 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: BG040951.D
 Acq: 30 May 2019 14:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	83.0	124.4
160	42.9	35.6	53.4





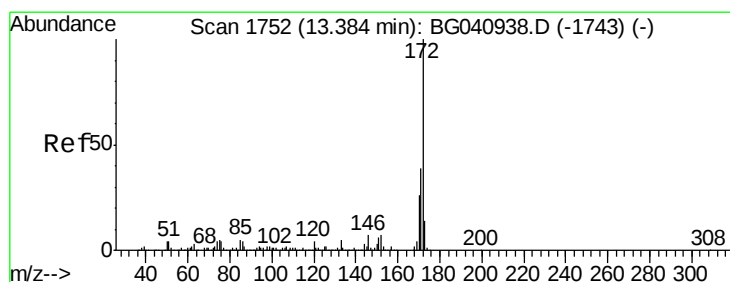
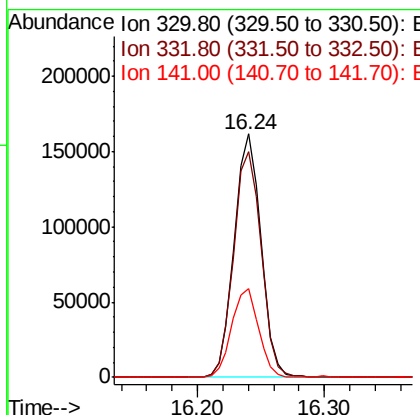
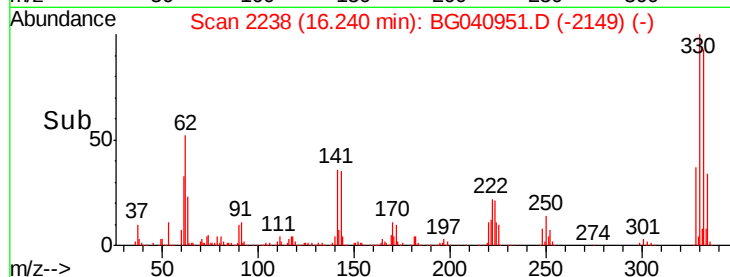
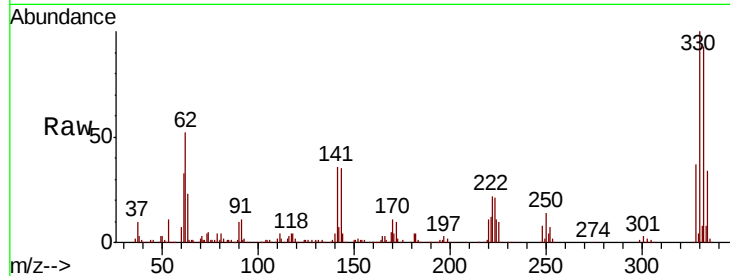
#42
 2,4,6-Tribromophenol
 Concen: 72.075 ng
 RT: 16.24 min Scan# 2238
 Delta R.T. -0.01 min
 Lab File: BG040951.D
 Acq: 30 May 2019 14:29

Instrument :
 BNA_G
 ClientSampleId :
 FESB-18(2.5-3.0)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	235413		
332	95.5		78.5	117.7
141	37.0		28.7	43.1

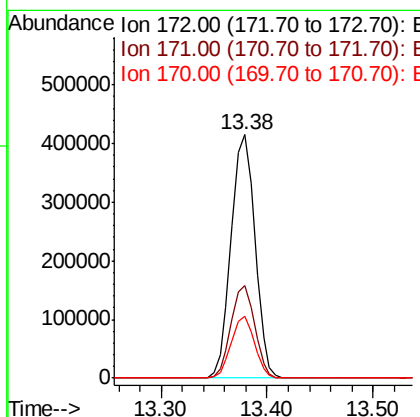
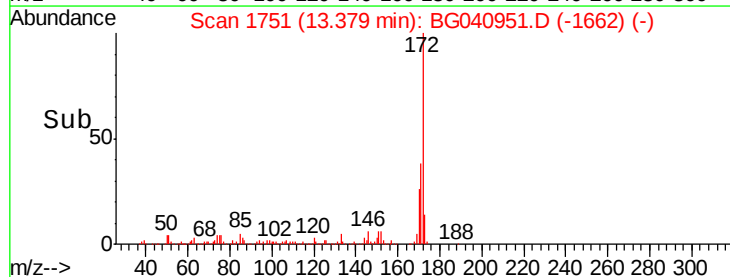
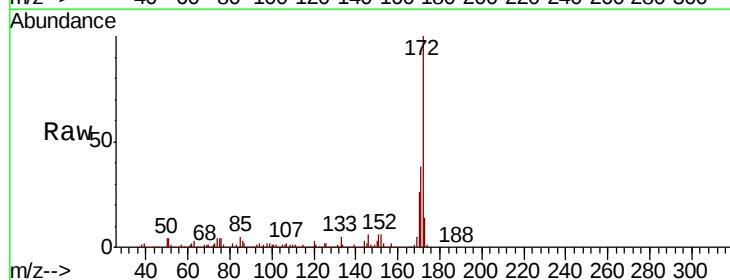
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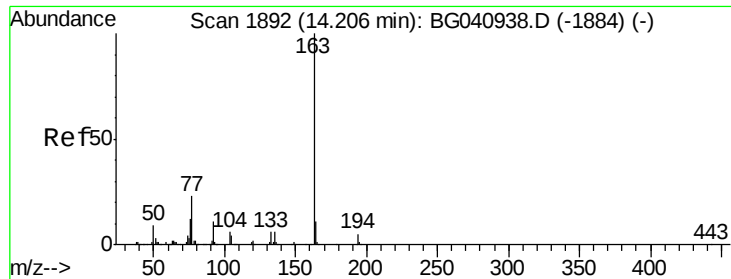
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#45
 2-Fluorobiphenyl
 Concen: 42.370 ng
 RT: 13.38 min Scan# 1751
 Delta R.T. -0.01 min
 Lab File: BG040951.D
 Acq: 30 May 2019 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	647299		
171	38.0		31.1	46.7
170	25.6		20.5	30.7





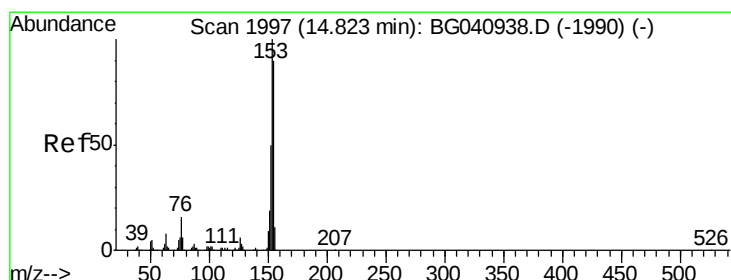
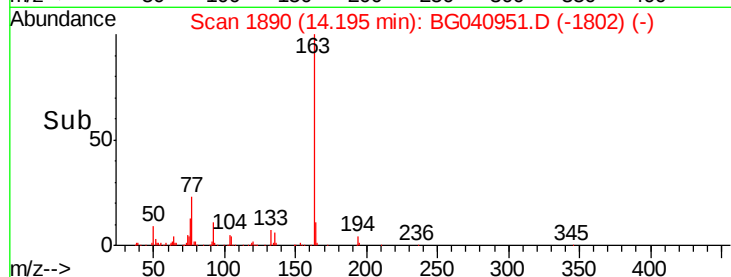
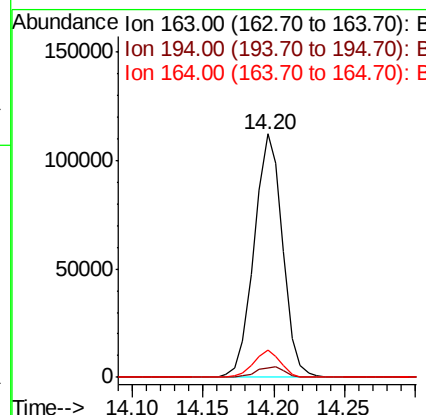
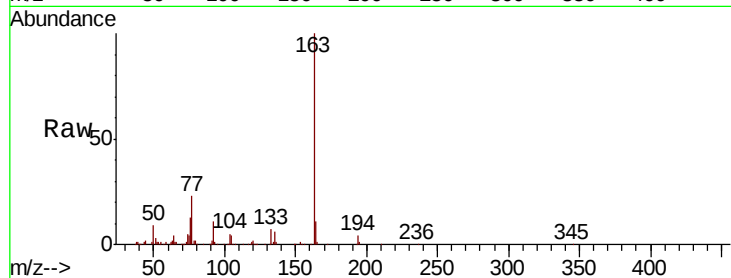
#50
Dimethylphthalate
Concen: 8.547 ng
RT: 14.20 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	159183		
194	4.0		3.8	5.8
164	11.0		8.7	13.1

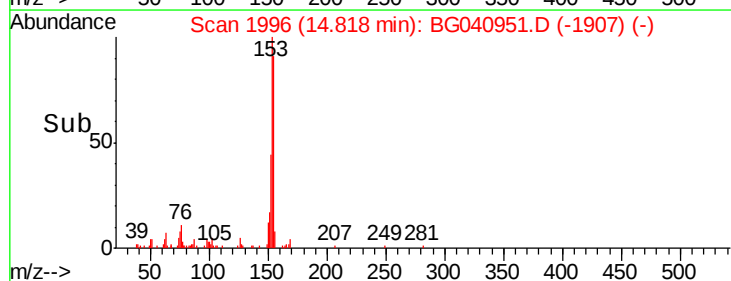
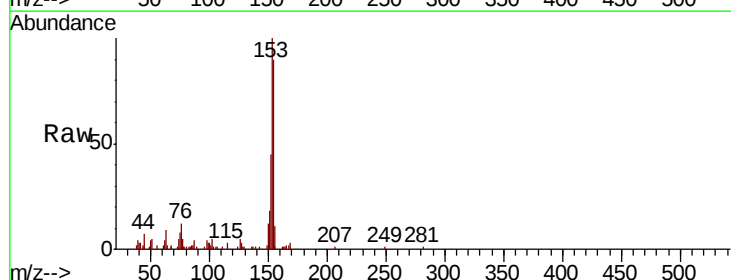
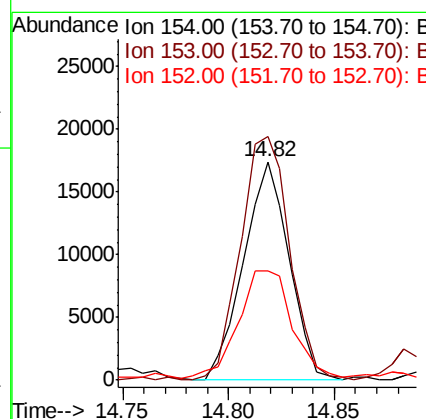
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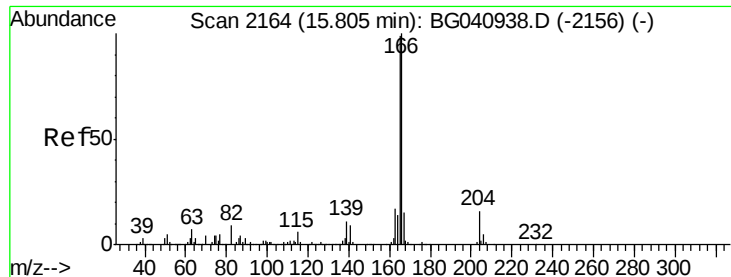
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#52
Acenaphthene
Concen: 2.043 ng
RT: 14.82 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	26045		
153	111.4		88.6	133.0
152	50.2		44.2	66.4





#58

Fluorene

Concen: 2.688 ng

RT: 15.80 min Scan# 2163

Delta R.T. -0.01 min

Lab File: BG040951.D

Acq: 30 May 2019 14:29

Instrument :

BNA_G

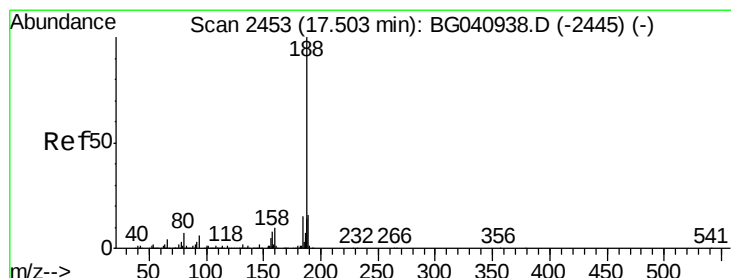
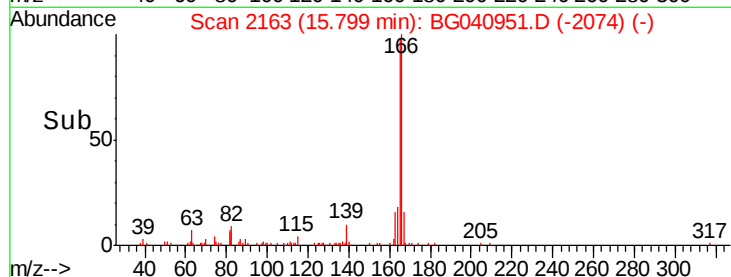
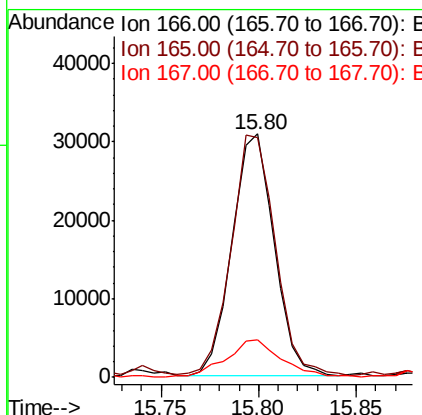
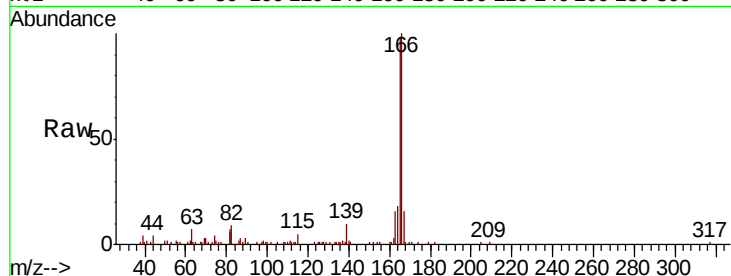
ClientSampleId :

FESB-18(2.5-3.0)

Tot Ion:	166	Resp:	45923
Ion Ratio	Lower	Upper	
166	100		
165	98.4	79.2	118.8
167	15.6	11.8	17.6

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#64

Phenanthrene-d10

Concen: 20.000 ng

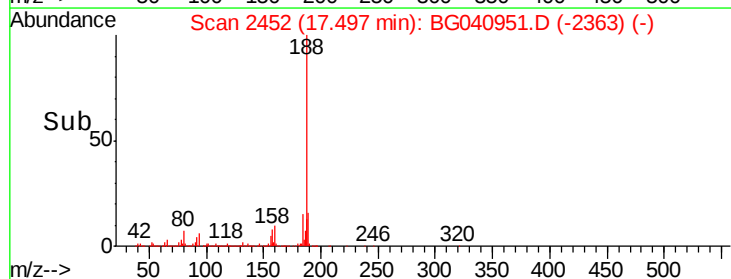
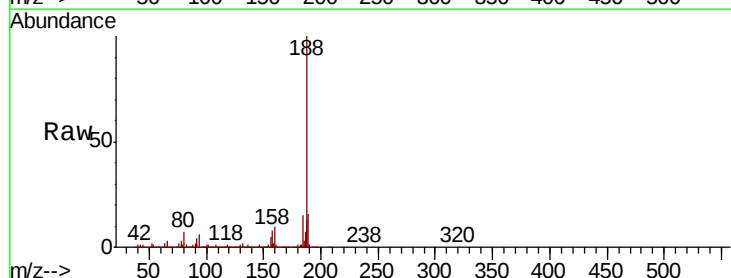
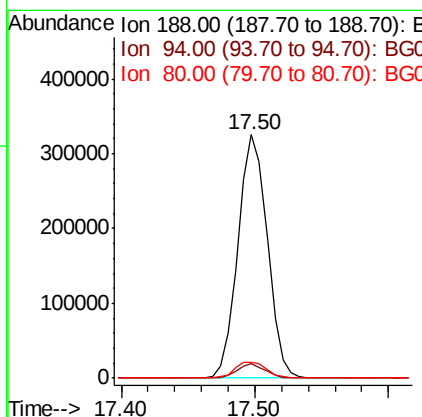
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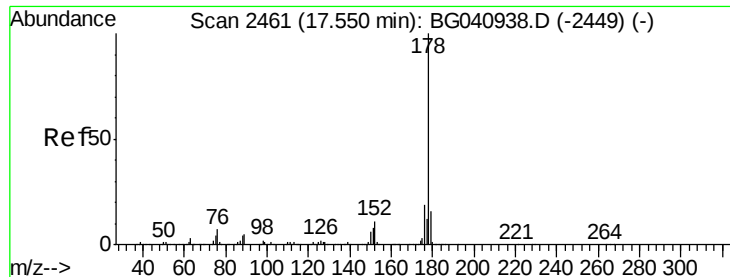
Delta R.T. -0.01 min

Lab File: BG040951.D

Acq: 30 May 2019 14:29

Tgt Ion:	188	Resp:	494927
Ion Ratio	Lower	Upper	
188	100		
94	5.8	4.7	7.1
80	6.6	5.8	8.8





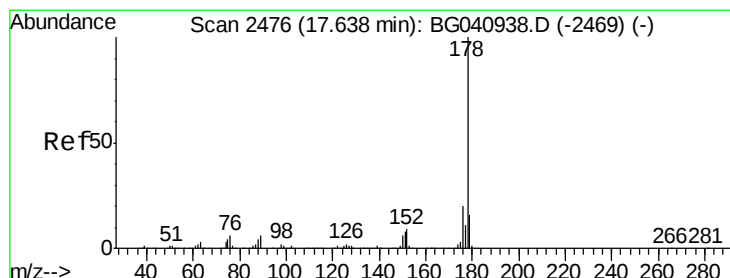
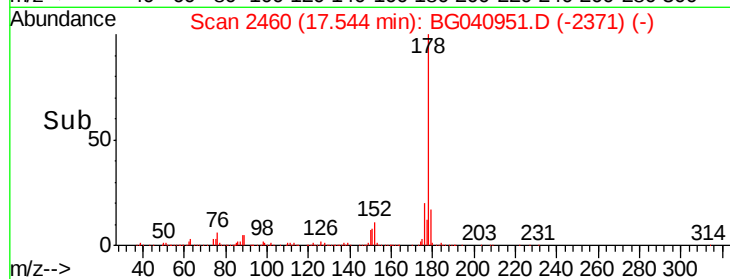
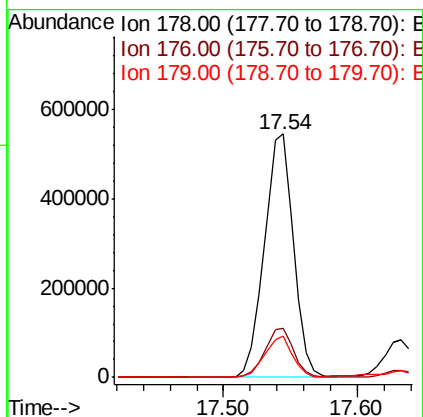
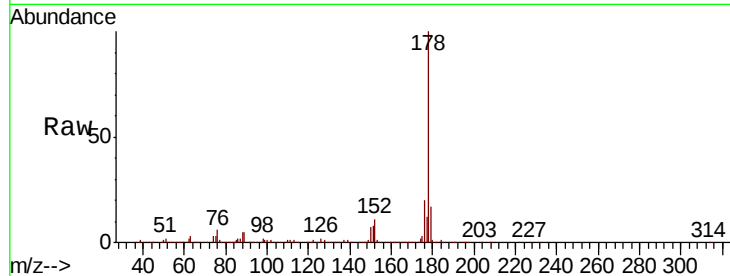
#71
Phenanthrene
Concen: 31.991 ng
RT: 17.54 min Scan# 2460
Delta R.T. -0.01 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.5	23.3
179	16.7	12.7	19.1

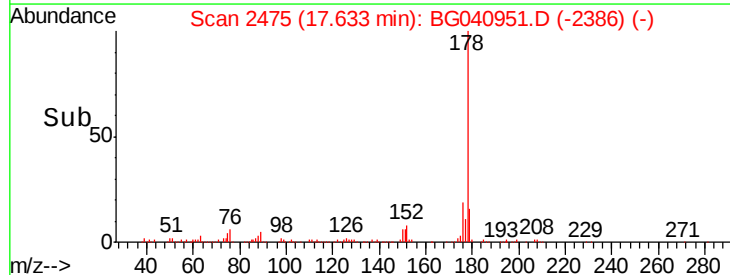
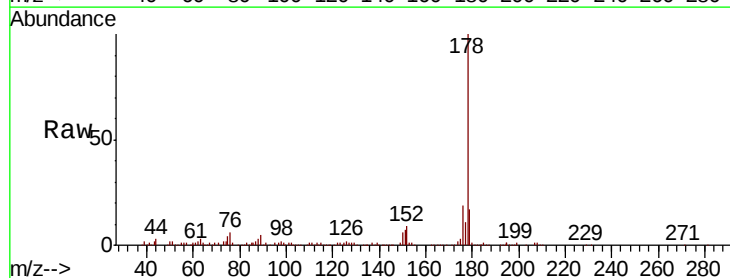
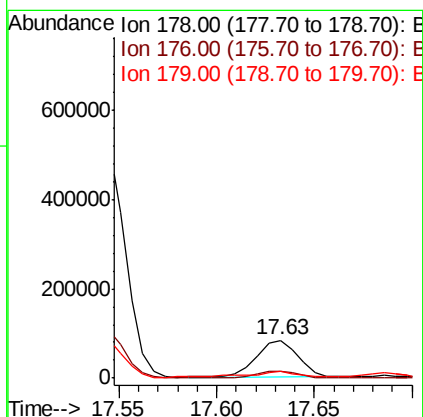
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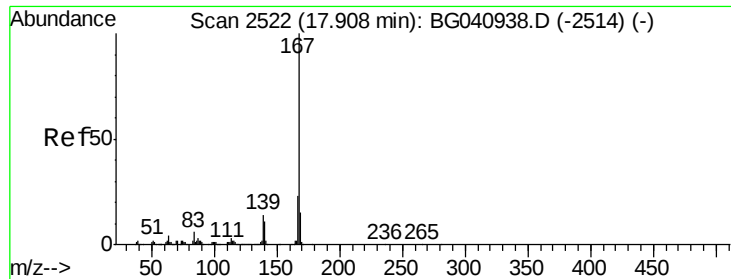
mohammad
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#72
Anthracene
Concen: 4.862 ng
RT: 17.63 min Scan# 2475
Delta R.T. -0.01 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.6	23.4
179	16.6	13.0	19.4





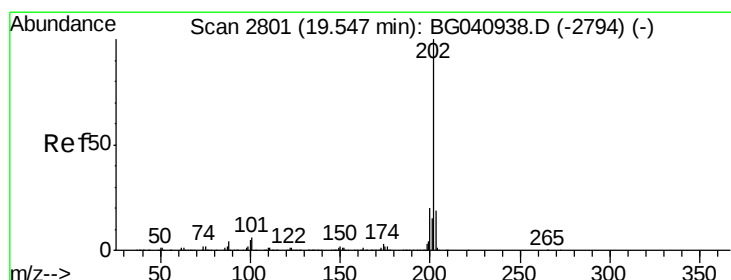
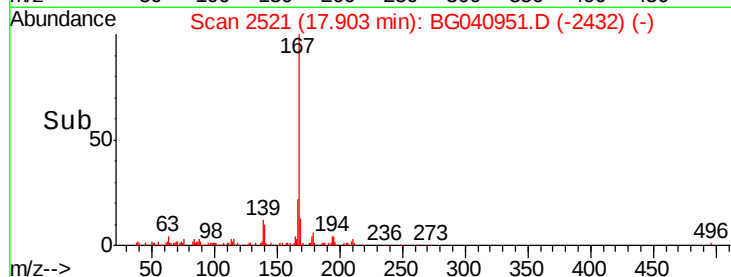
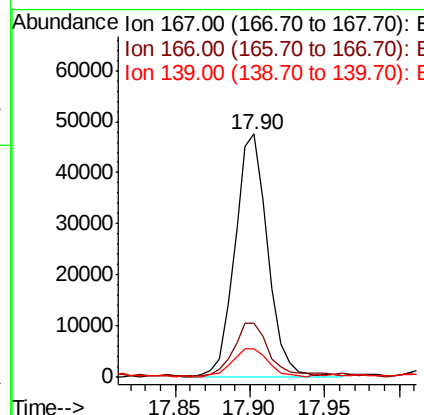
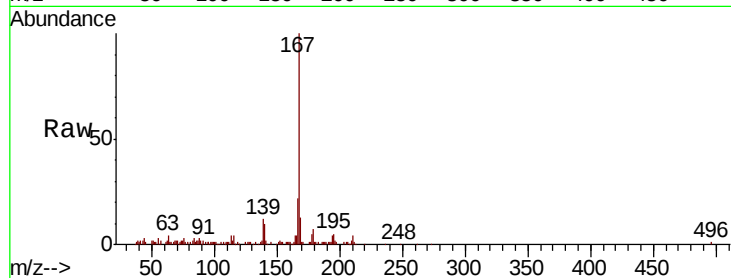
#73
 Carbazole
 Concen: 3.305 ng
 RT: 17.90 min Scan# 2521
 Delta R.T. -0.01 min
 Lab File: BG040951.D
 Acq: 30 May 2019 14:29

Instrument :
 BNA_G
 ClientSampleId :
 FESB-18(2.5-3.0)

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.0	18.2	27.4
139	11.7	10.8	16.2

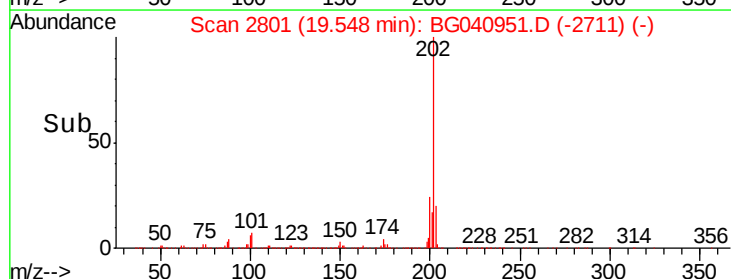
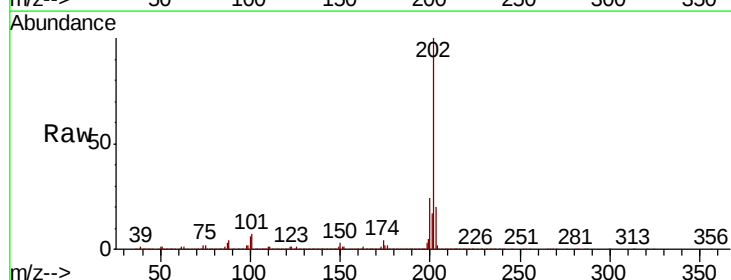
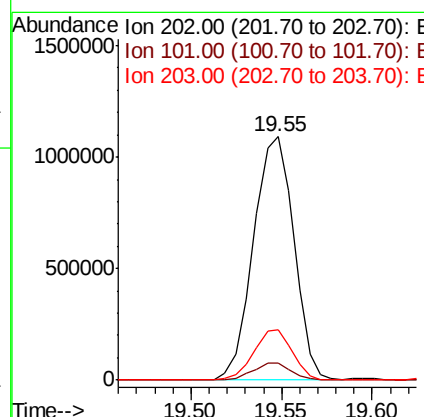
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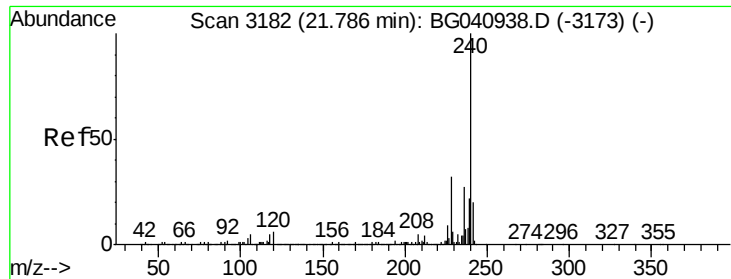
mohammad
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#75
 Fluoranthene
 Concen: 52.956 ng
 RT: 19.55 min Scan# 2801
 Delta R.T. 0.00 min
 Lab File: BG040951.D
 Acq: 30 May 2019 14:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.0	0.0	26.2
203	20.5	0.0	38.7





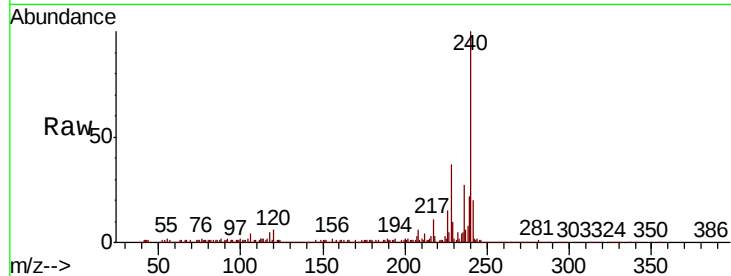
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.78 min Scan# 3181
Delta R.T. -0.01 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.1	4.5	6.7
236	27.4	21.3	31.9

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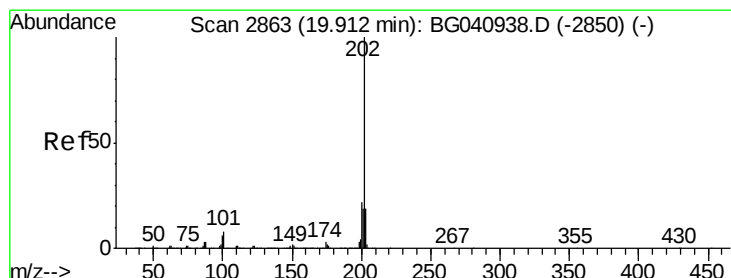
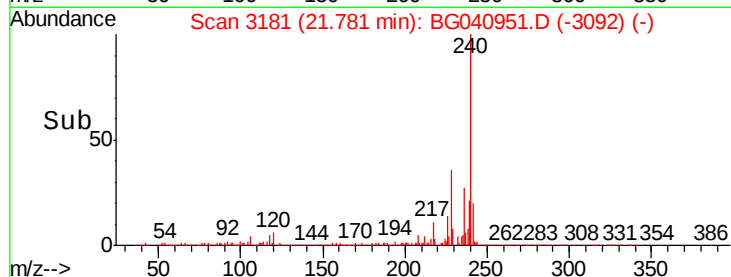
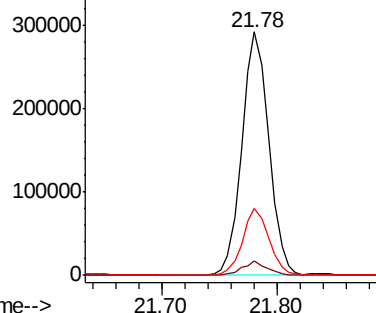


Abundance

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
Pyrene
Concen: 50.614 ng
RT: 19.91 min Scan# 2862
Delta R.T. -0.01 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

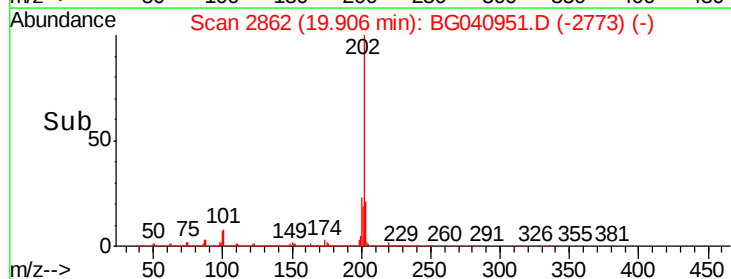
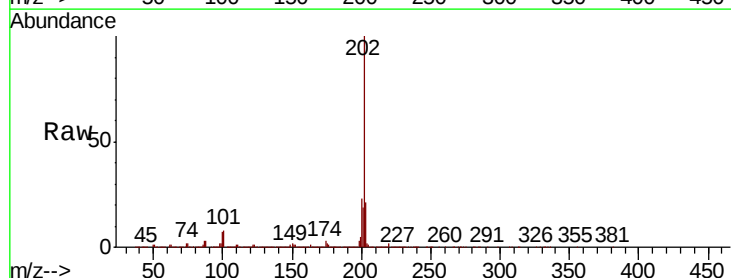
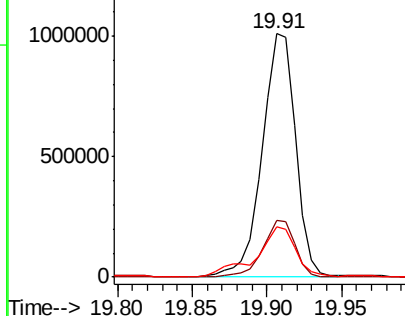
Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.1	17.5	26.3
203	20.8	15.6	23.4

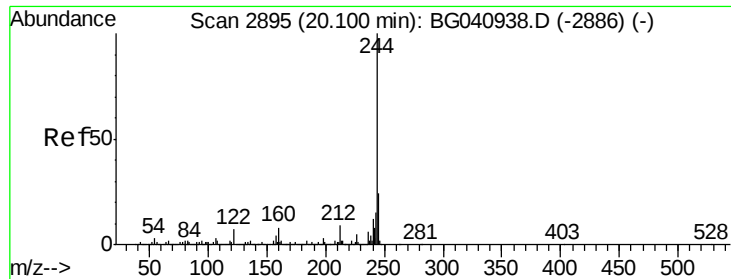
Abundance

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





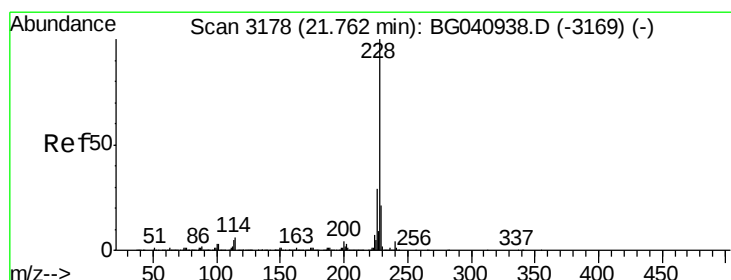
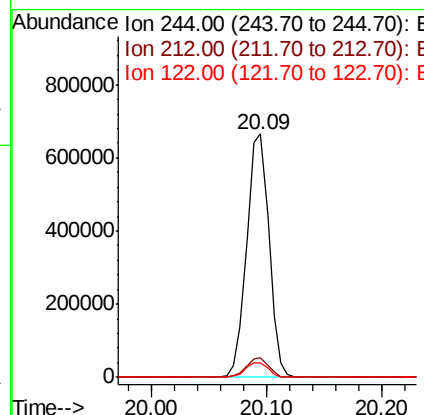
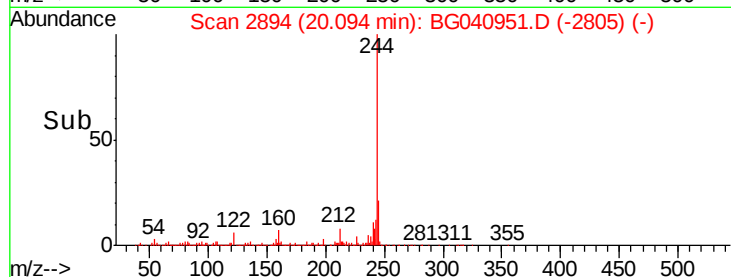
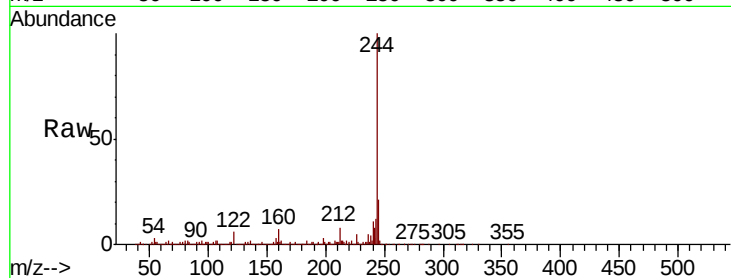
#79
 Terphenyl-d14
 Concen: 39.818 ng
 RT: 20.09 min Scan# 2894
 Delta R.T. -0.01 min
 Lab File: BG040951.D
 Acq: 30 May 2019 14:29

Instrument :
 BNA_G
 ClientSampleId :
 FESB-18(2.5-3.0)

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.2	7.0	10.4
122	6.0	5.4	8.0

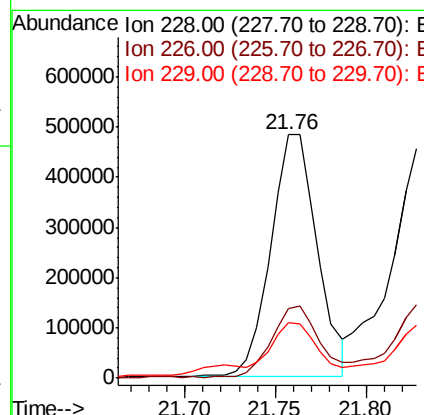
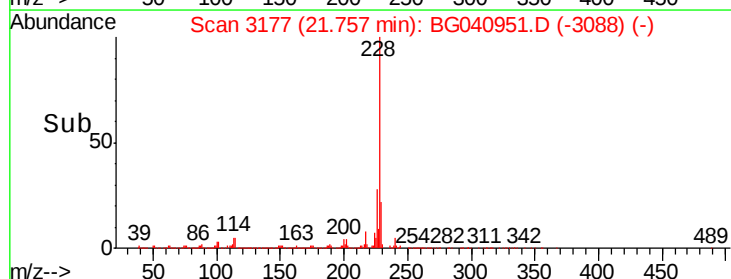
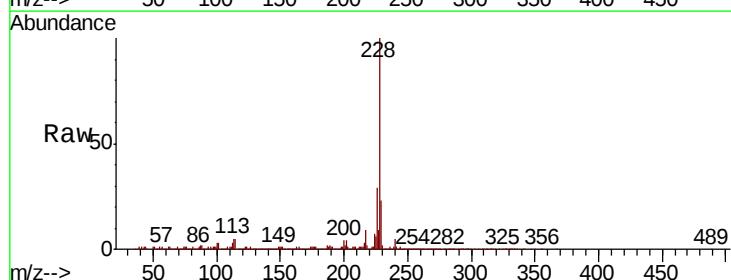
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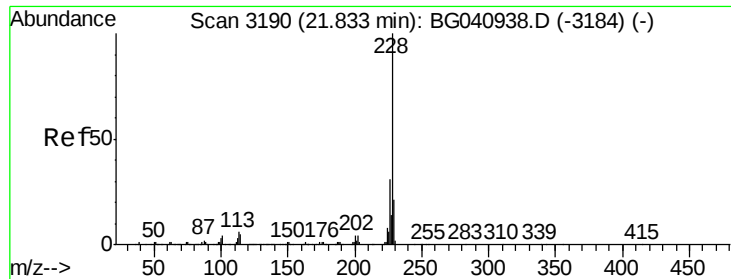
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#81
 Benzo(a)anthracene
 Concen: 27.184 ng
 RT: 21.76 min Scan# 3177
 Delta R.T. -0.01 min
 Lab File: BG040951.D
 Acq: 30 May 2019 14:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.5	35.3
229	22.9	16.7	25.1





#83

Chrysene

Concen: 29.255 ng

RT: 21.83 min Scan# 3189

Delta R.T. -0.01 min

Lab File: BG040951.D

Acq: 30 May 2019 14:29

Instrument :

BNA_G

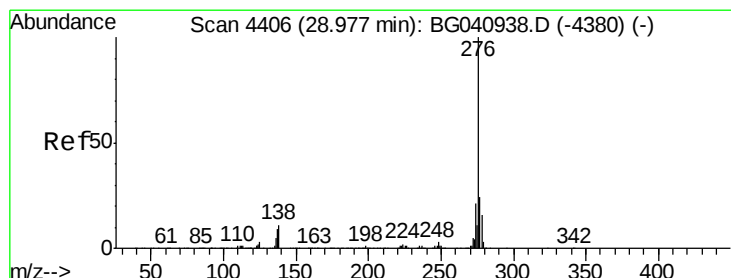
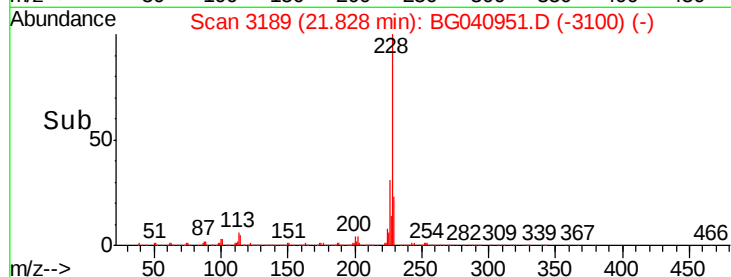
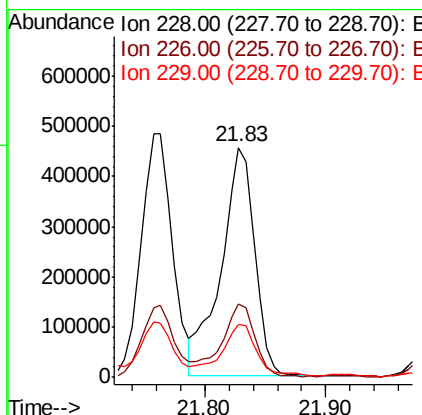
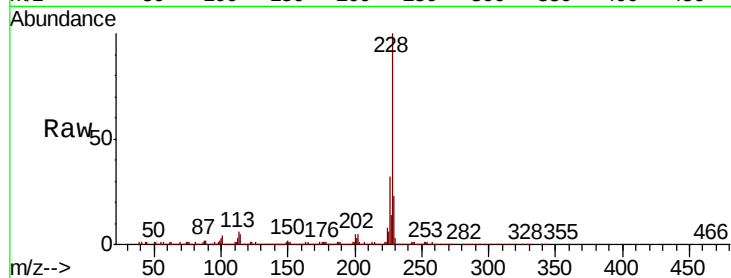
ClientSampleId :

FESB-18(2.5-3.0)

Tot Ion:	228	Resp:	886165
Ion Ratio	Lower	Upper	
228	100		
226	31.9	24.6	37.0
229	23.2	16.6	24.8

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#86

Indeno(1,2,3-cd)pyrene

Concen: 14.443 ng

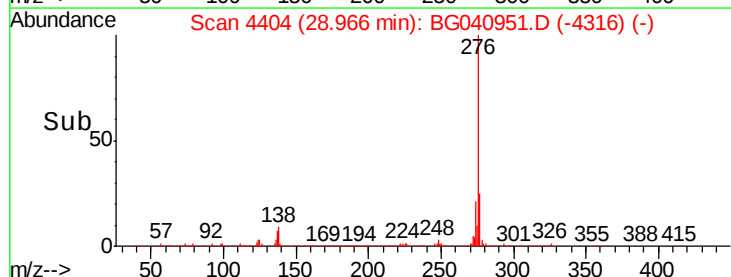
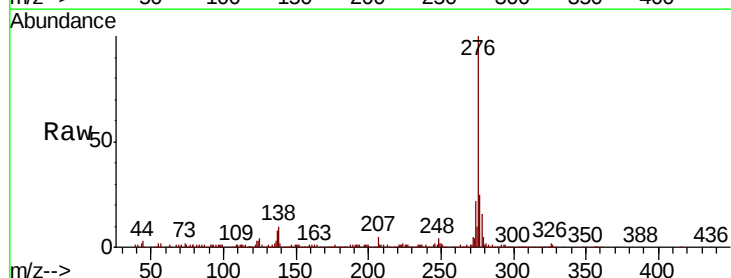
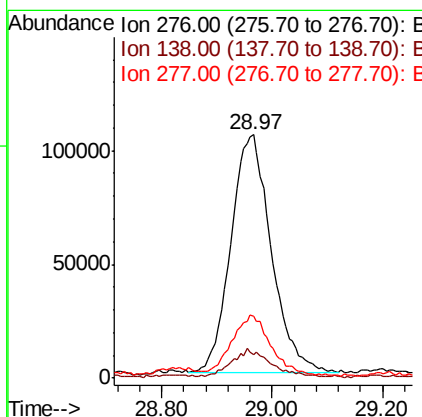
RT: 28.97 min Scan# 4404

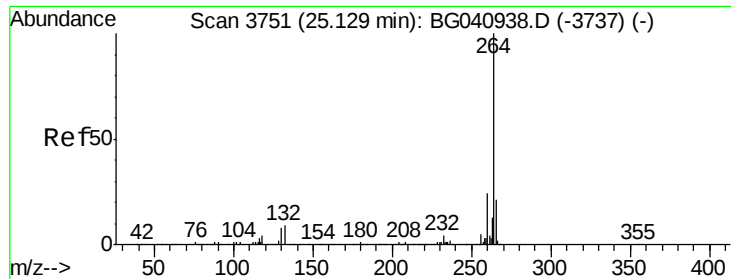
Delta R.T. -0.01 min

Lab File: BG040951.D

Acq: 30 May 2019 14:29

Tgt Ion:	276	Resp:	535923
Ion Ratio	Lower	Upper	
276	100		
138	11.3	5.7	8.5#
277	24.4	20.8	31.2





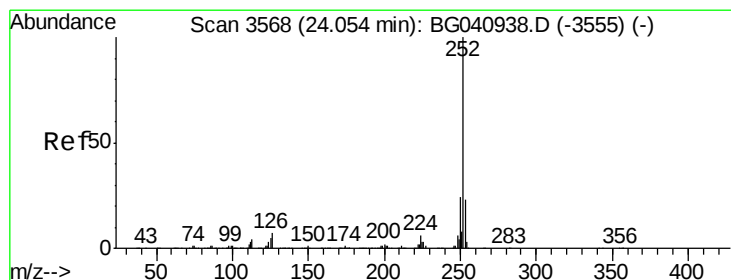
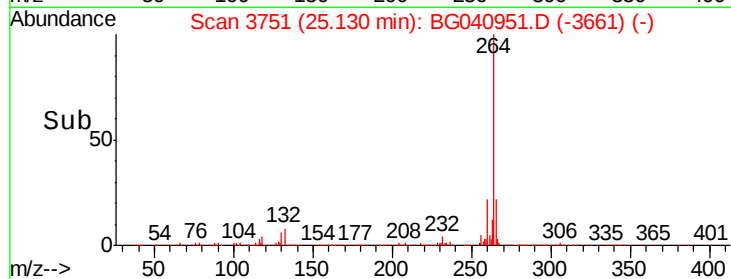
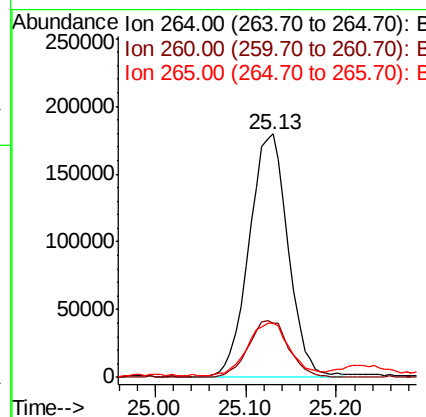
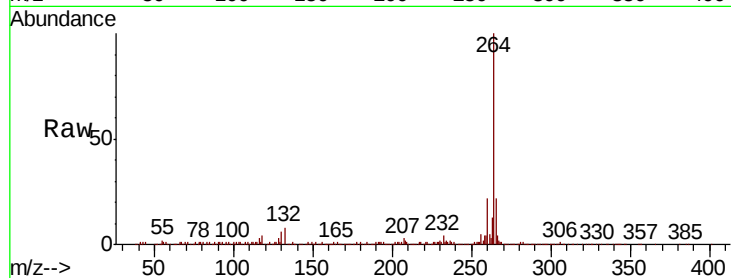
#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.13 min Scan# 3751
Delta R.T. 0.00 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.3	19.0	28.4
265	22.4	17.0	25.4

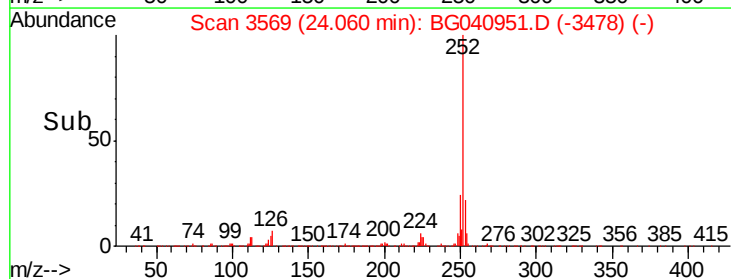
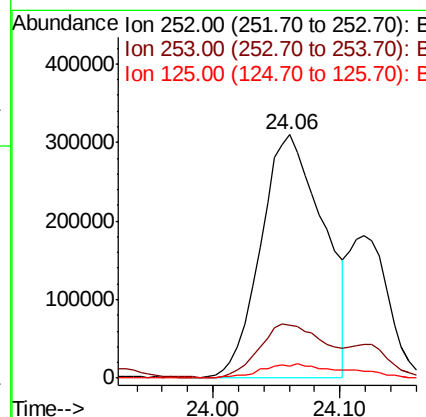
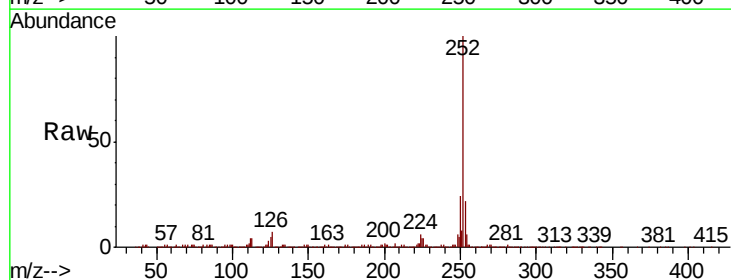
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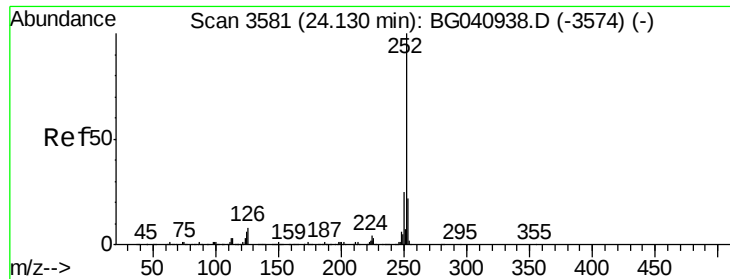
mohammad
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#88
Benzo(b)fluoranthene
Concen: 32.966 ng
RT: 24.06 min Scan# 3569
Delta R.T. 0.01 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.4	27.6
125	5.1	4.3	6.5





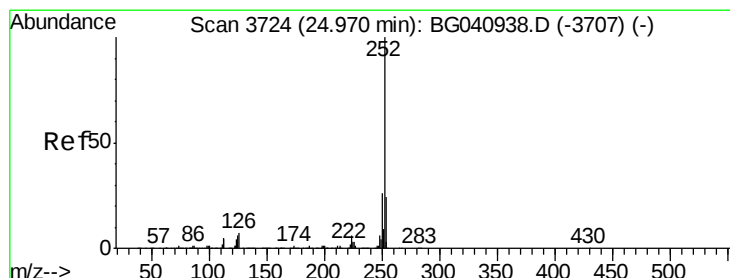
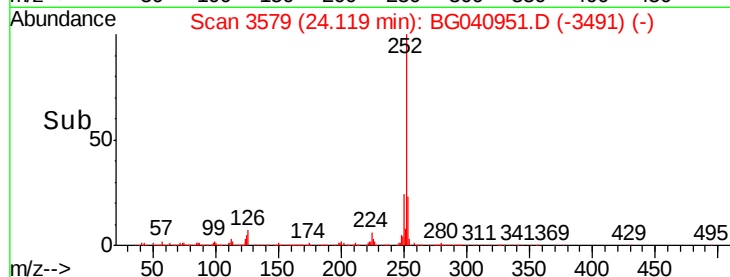
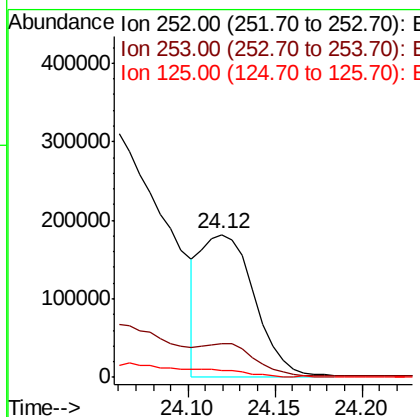
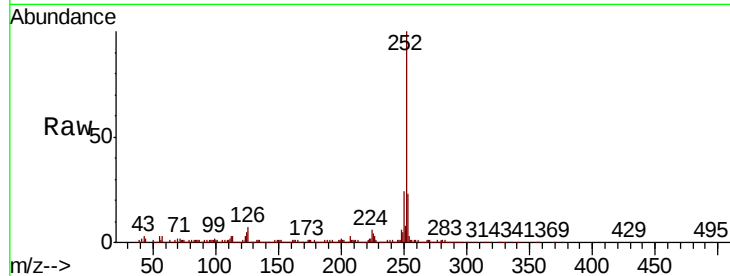
#89
Benzo(k)fluoranthene
Concen: 12.331 ng m
RT: 24.12 min Scan# 3579
Delta R.T. -0.01 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	5.2	4.7	7.1

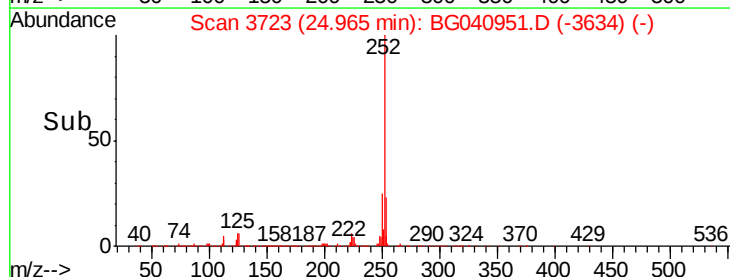
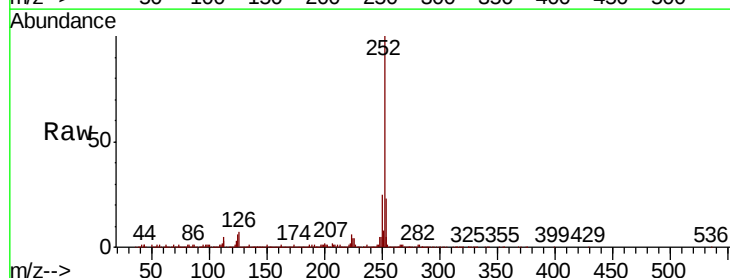
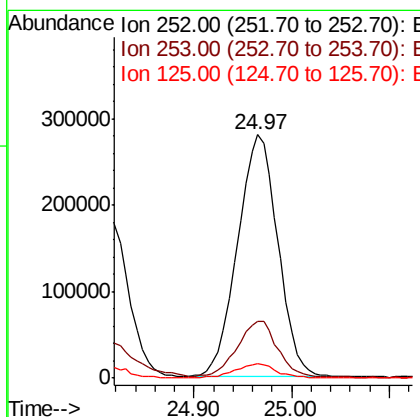
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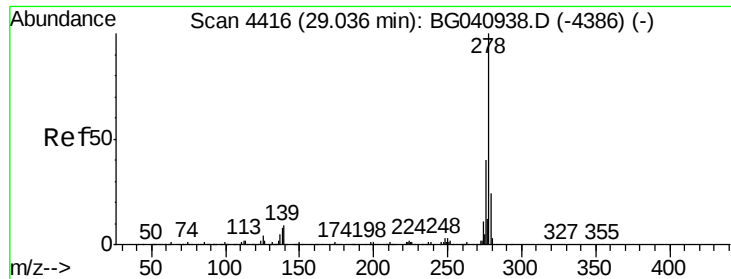
mohammad
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#90
Benzo(a)pyrene
Concen: 26.275 ng
RT: 24.97 min Scan# 3723
Delta R.T. -0.01 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.5	29.3
125	6.0	5.1	7.7





#91

Dibenzo(a,h)anthracene

Concen: 4.561 ng

RT: 29.00 min Scan# 4410

Delta R.T. -0.03 min

Lab File: BG040951.D

Acq: 30 May 2019 14:29

Instrument :

BNA_G

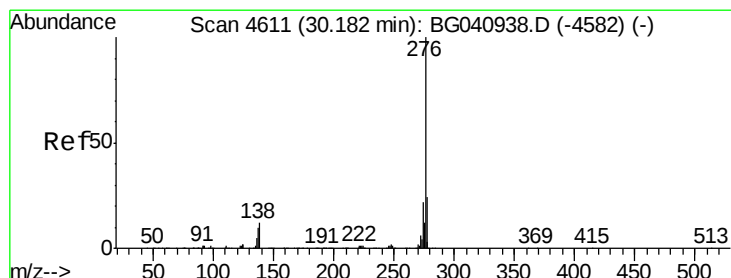
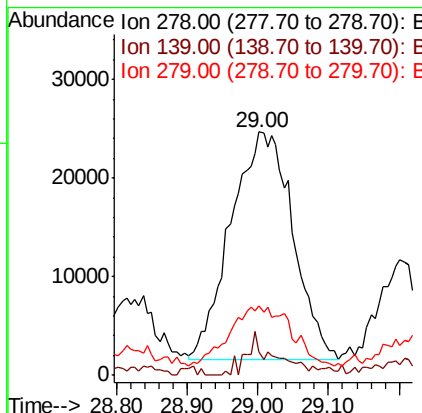
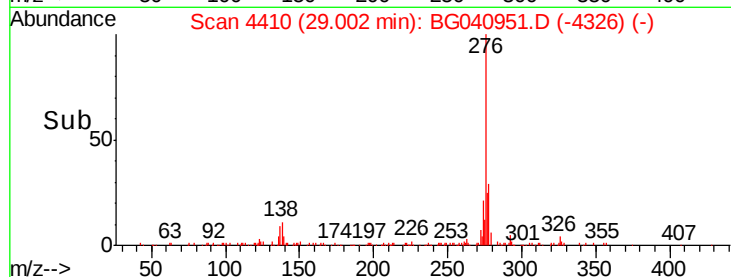
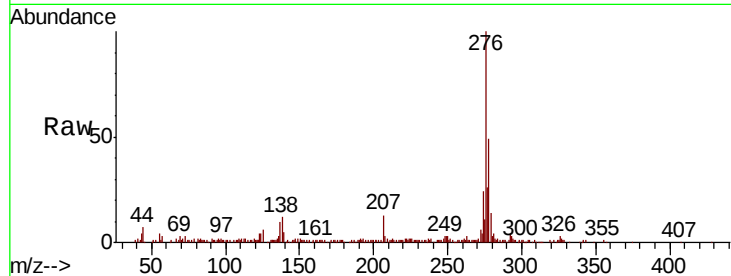
ClientSampleId :

FESB-18(2.5-3.0)

Tot Ion:	278	Resp:	140089
Ion Ratio	Lower	Upper	
278	100		
139	9.6	7.1	10.7
279	28.4	19.4	29.2

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#92

Benzo(g,h,i)perylene

Concen: 17.014 ng m

RT: 30.16 min Scan# 4608

Delta R.T. -0.02 min

Lab File: BG040951.D

Acq: 30 May 2019 14:29

Tgt Ion:	276	Resp:	507722
Ion Ratio	Lower	Upper	
276	100		
277	21.5	19.4	29.0
138	10.8	9.7	14.5

