

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090319\
 Data File : BG042696.D
 Acq On : 3 Sep 2019 19:46
 Operator : HP/JU
 Sample : K4602-13
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PAR-D1-D4-(0-3.11)

Manual Integrations
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mohammad
 9/6/2019 8:17:37 AM

Quant Time: Sep 04 04:55:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	34540	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	139490	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	106566	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	241692	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	261058	20.00	ng	-0.01
87) Perylene-d12	24.93	264	310597	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	139520	81.81	ng	0.00
7) Phenol-d6	7.16	99	193778	84.12	ng	-0.01
23) Nitrobenzene-d5	9.16	82	111971	55.47	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	132426	87.43	ng	-0.01
45) 2-Fluorobiphenyl	13.27	172	323858	51.40	ng	0.00
79) Terphenyl-d14	20.02	244	557225	46.15	ng	0.00
Target Compounds						
10) Phenol	7.19	94	7942	3.391	ng	83
50) Dimethylphthalate	14.11	163	41521	5.400	ng	# 97
75) Fluoranthene	19.46	202	179587	12.257	ng	94
78) Pyrene	19.83	202	184510	11.528	ng	96
81) Benzo(a)anthracene	21.67	228	167058	10.520	ng	97
83) Chrysene	21.73	228	155813	10.174	ng	99
86) Indeno(1,2,3-cd)pyrene	28.63	276	84002	4.036	ng	# 95
88) Benzo(b)fluoranthene	23.90	252	247081	14.470	ng	98
89) Benzo(k)fluoranthene	23.96	252	80985m	4.934	ng	
90) Benzo(a)pyrene	24.77	252	161963	9.996	ng	100
92) Benzo(g,h,i)perylene	29.79	276	77728	4.737	ng	95

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

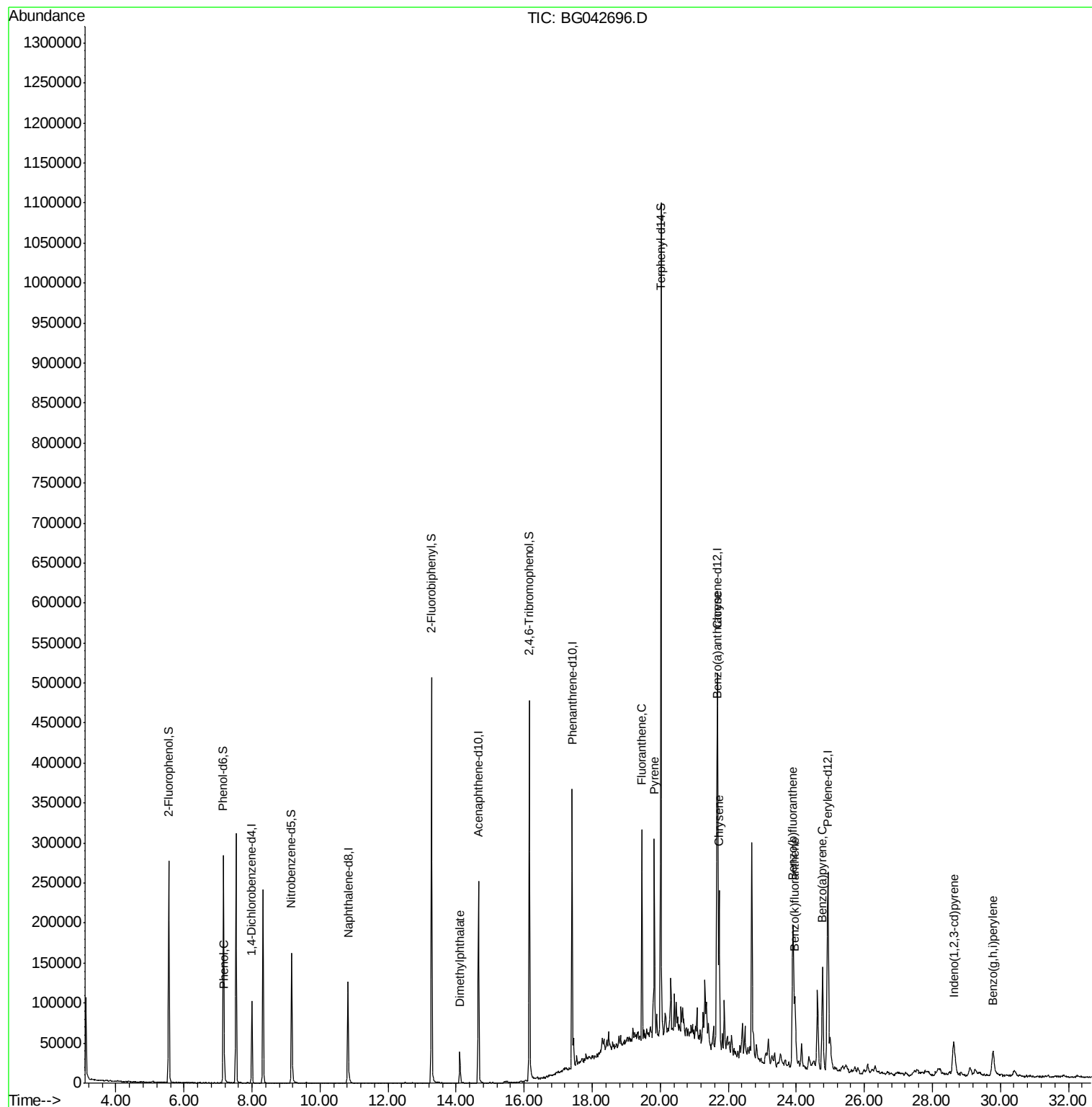
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090319\
Data File : BG042696.D
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Operator : HP/JU
Sample : K4602-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

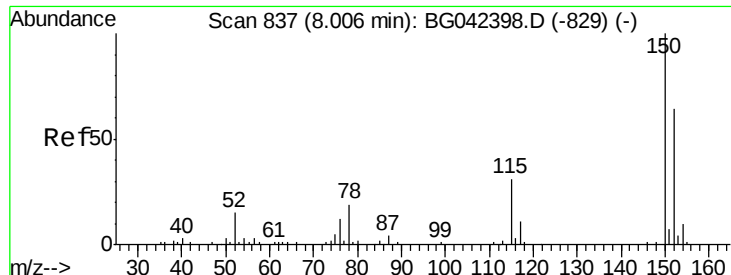
Instrument :
BNA_G
ClientSampleId :
PAR-D1-D4-(0-3.11)

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

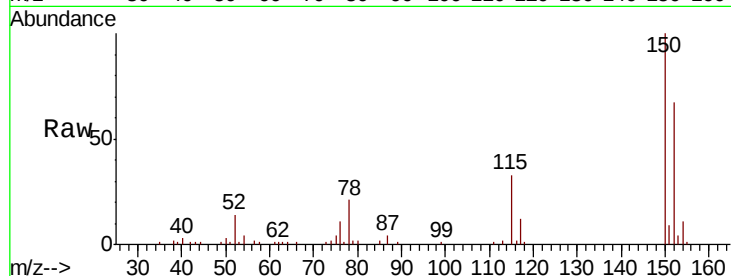
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042696.D
Acq: 3 Sep 2019 19:46

Instrument :
BNA_G
ClientSampleId :
PAR-D1-D4-(0-3.11)

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.7	125.4	188.0
115	49.4	38.5	57.7

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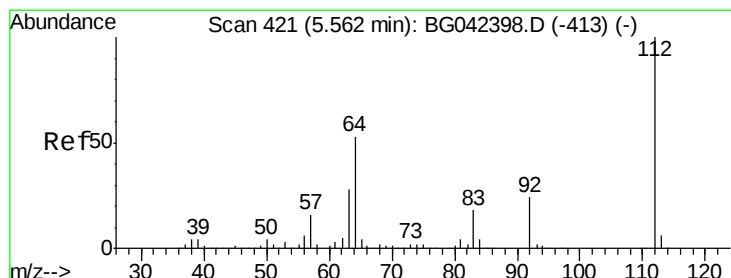
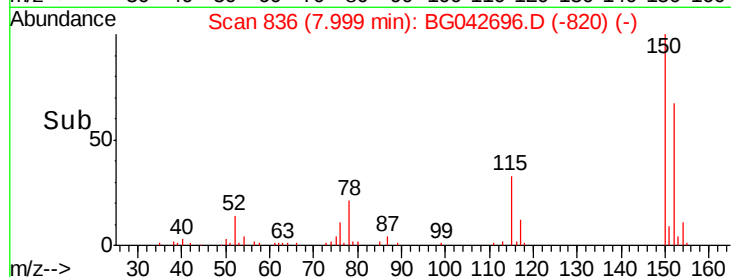
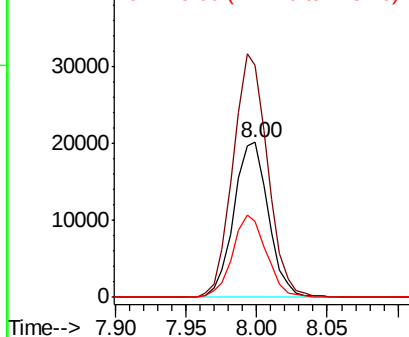


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

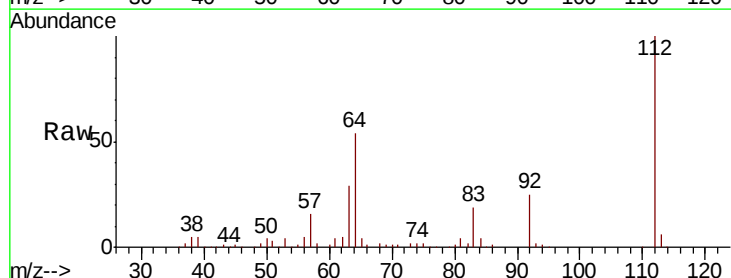
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 81.809 ng
RT: 5.55 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042696.D
Acq: 3 Sep 2019 19:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	42.8	64.2
63	28.7	22.7	34.1

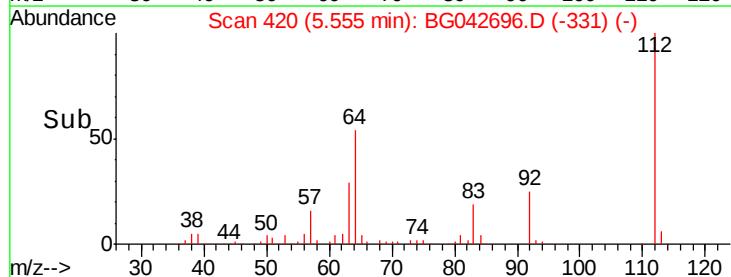
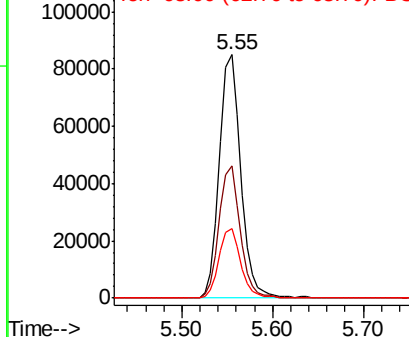


Abundance

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: 84.118 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042696.D

Acq: 3 Sep 2019 19:46

Instrument :

BNA_G

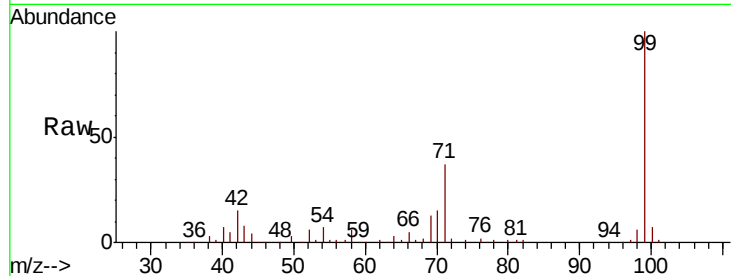
ClientSampleId :

PAR-D1-D4-(0-3.11)

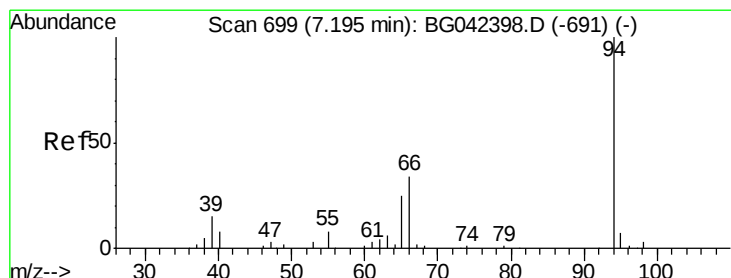
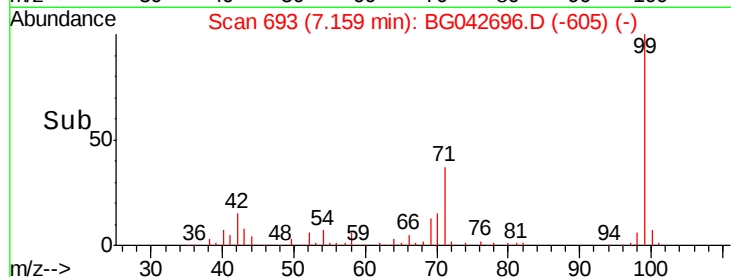
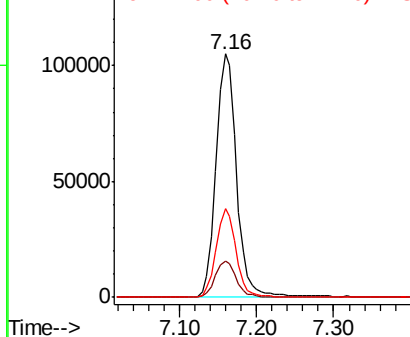
Tot Ion:	99	Resp:	193778
Ion	Ratio	Lower	Upper
99	100		
42	14.8	12.0	18.0
71	36.7	26.3	39.5

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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: 3.391 ng

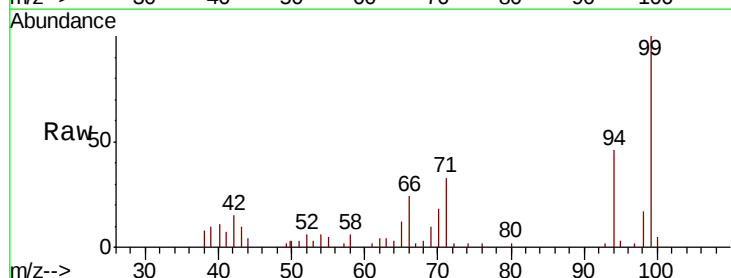
RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

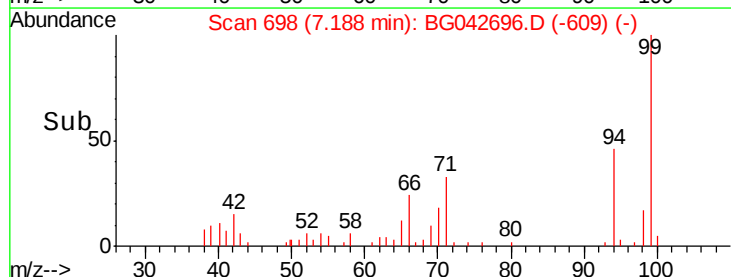
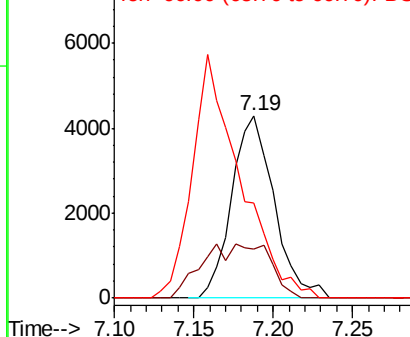
Lab File: BG042696.D

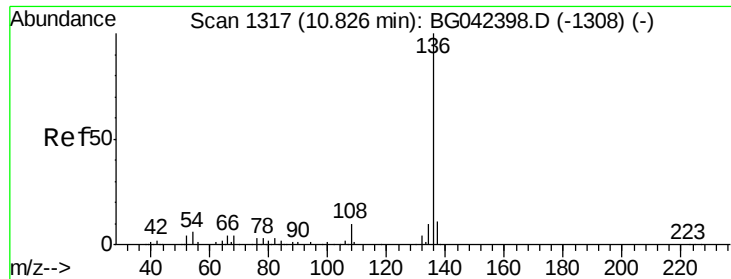
Acq: 3 Sep 2019 19:46

Tgt Ion:	94	Resp:	7942
Ion	Ratio	Lower	Upper
94	100		
65	26.8	5.6	45.6
66	51.9	16.0	56.0



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





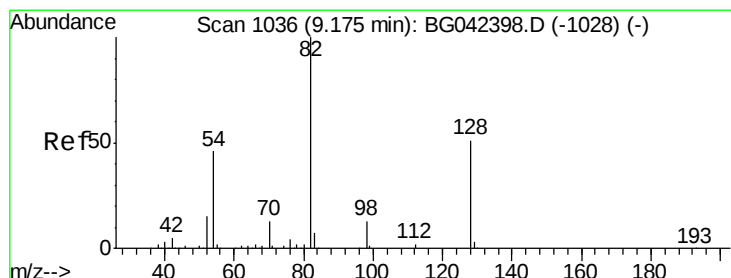
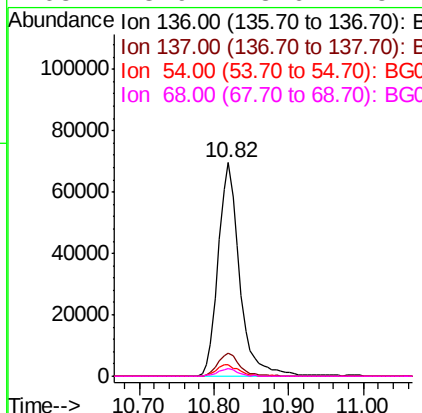
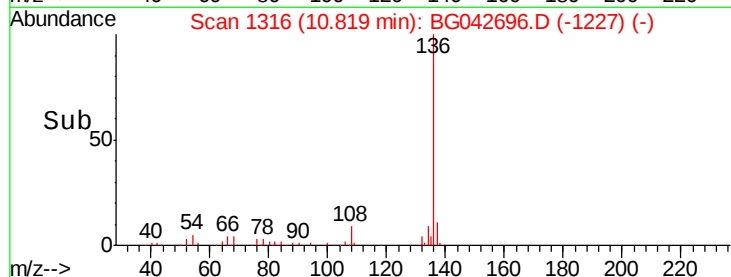
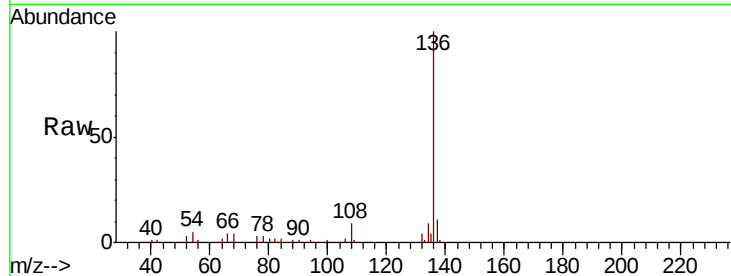
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042696.D
Acq: 3 Sep 2019 19:46

Instrument :
BNA_G
ClientSampleId :
PAR-D1-D4-(0-3.11)

Tot Ion	Ratio	Resp	Lower	Upper
136	100	139490		
137	10.9		8.7	13.1
54	5.3		4.9	7.3
68	3.9		3.6	5.4

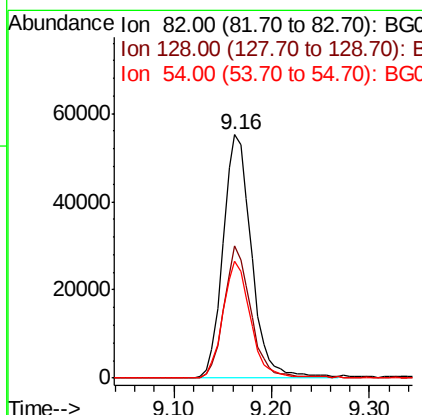
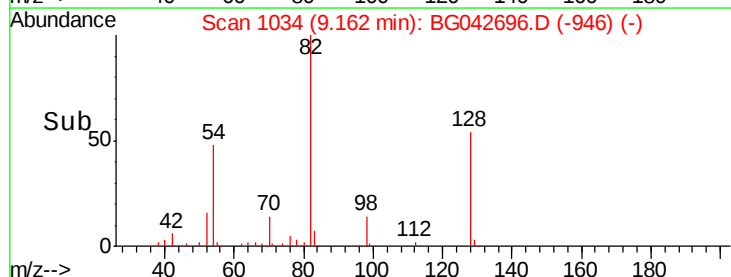
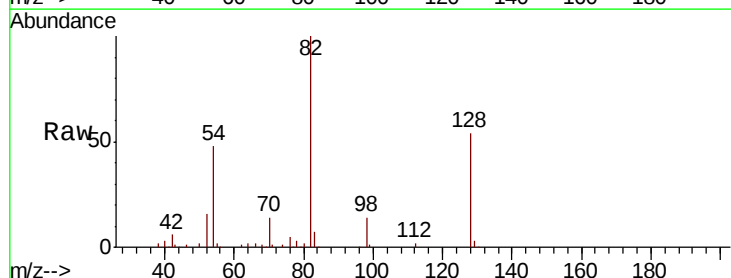
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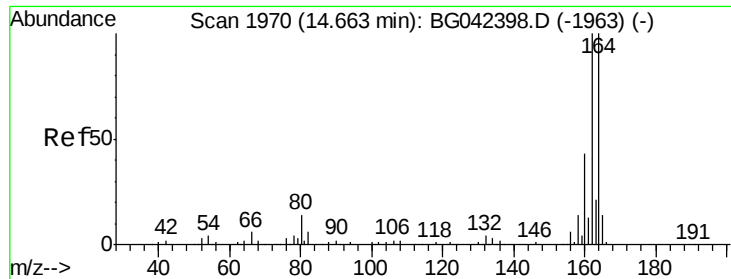
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#23
Nitrobenzene-d5
Concen: 55.471 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042696.D
Acq: 3 Sep 2019 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	111971		
128	54.1		40.7	61.1
54	48.2		36.3	54.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BG042696.D

Acq: 3 Sep 2019 19:46

Instrument :

BNA_G

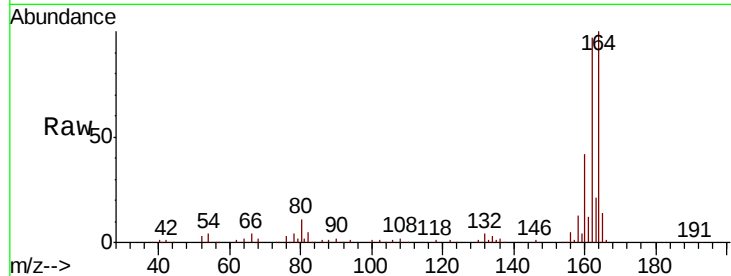
ClientSampleId :

PAR-D1-D4-(0-3.11)

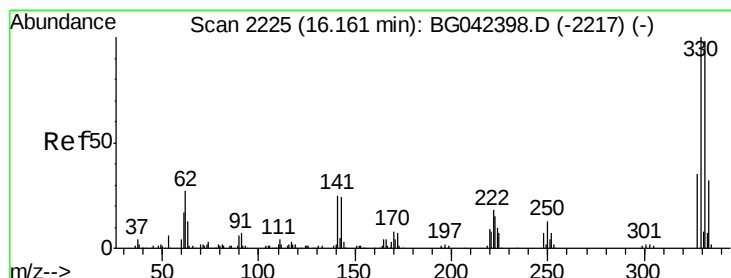
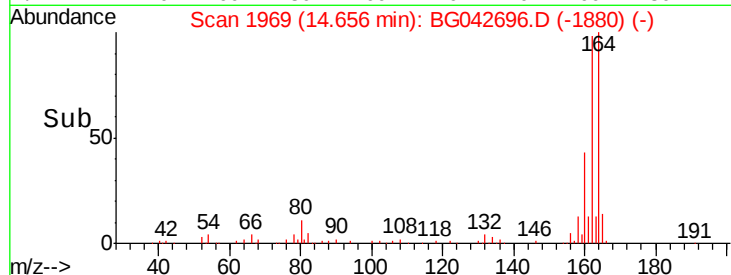
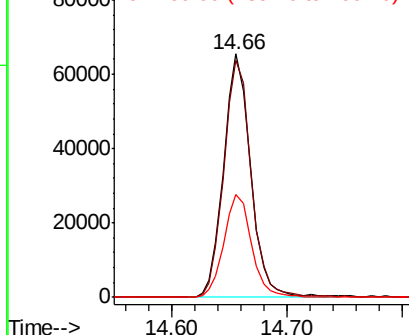
Tot Ion:	164	Resp:	106566
Ion Ratio	Lower	Upper	
164	100		
162	97.4	79.9	119.9
160	42.2	34.3	51.5

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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: 87.429 ng

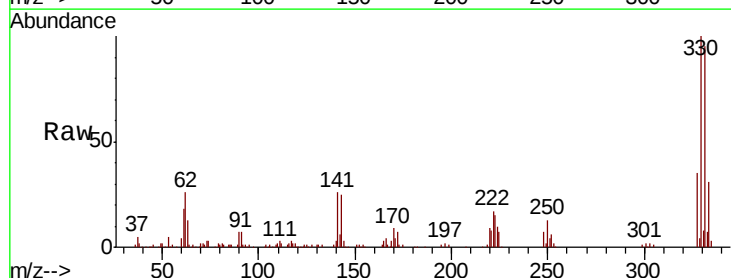
RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

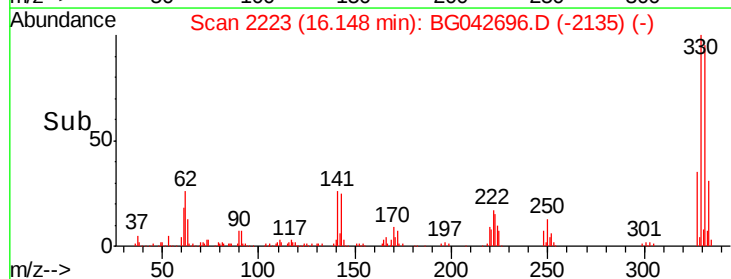
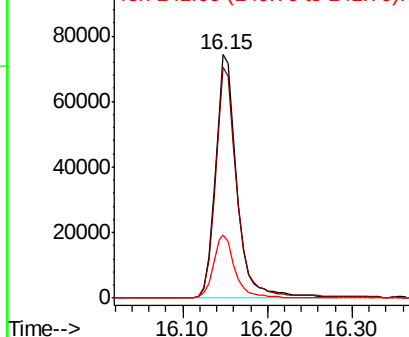
Lab File: BG042696.D

Acq: 3 Sep 2019 19:46

Tgt Ion:	330	Resp:	132426
Ion Ratio	Lower	Upper	
330	100		
332	96.3	77.4	116.0
141	26.1	21.4	32.0



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





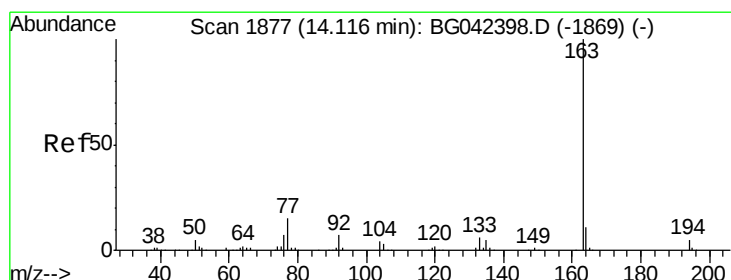
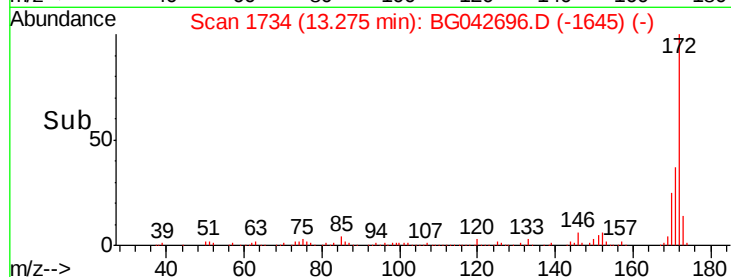
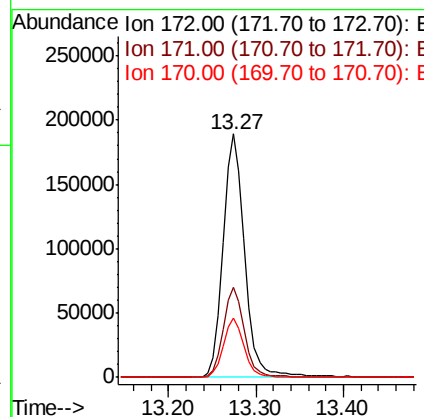
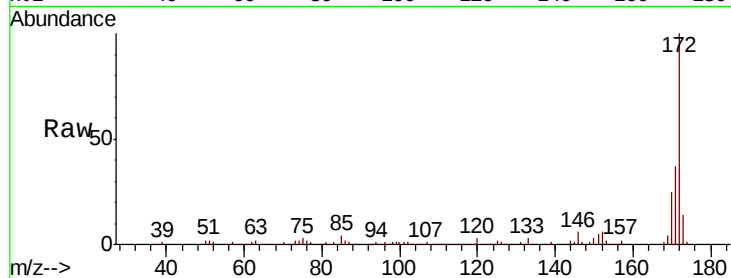
#45
2-Fluorobiphenyl
Concen: 51.399 ng
RT: 13.27 min Scan# 1734
Delta R.T. -0.01 min
Lab File: BG042696.D
Acq: 3 Sep 2019 19:46

Instrument :
BNA_G
ClientSampleId :
PAR-D1-D4-(0-3.11)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.5	45.7
170	24.6	20.2	30.2

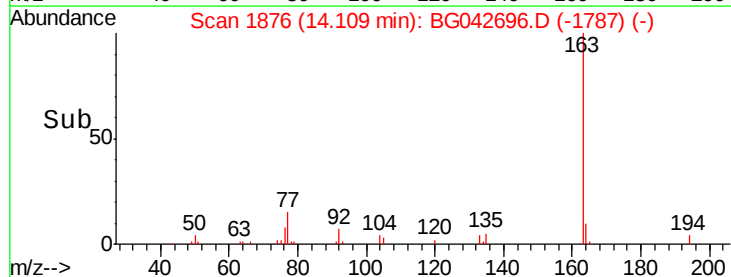
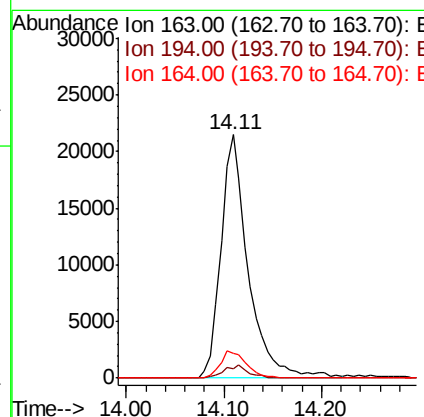
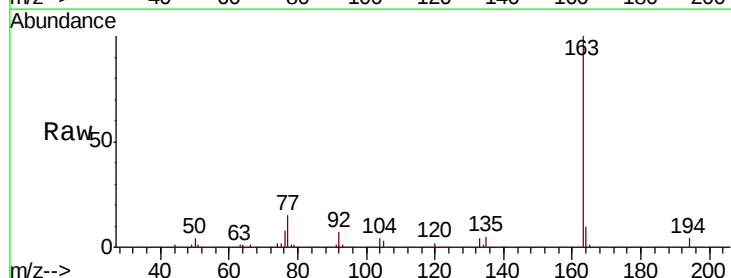
Manual Integrations
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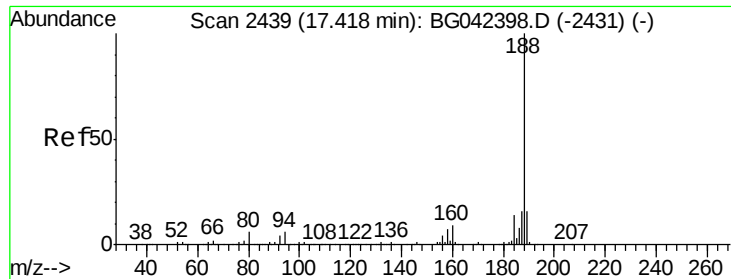
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#50
Dimethylphthalate
Concen: 5.400 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG042696.D
Acq: 3 Sep 2019 19:46

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	4.2	6.2#
164	10.0	8.8	13.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG042696.D

Acq: 3 Sep 2019 19:46

Instrument :

BNA_G

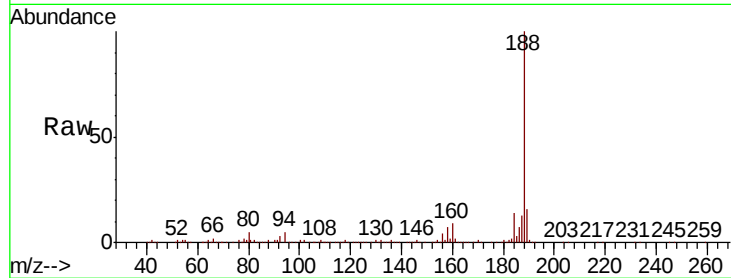
ClientSampleId :

PAR-D1-D4-(0-3.11)

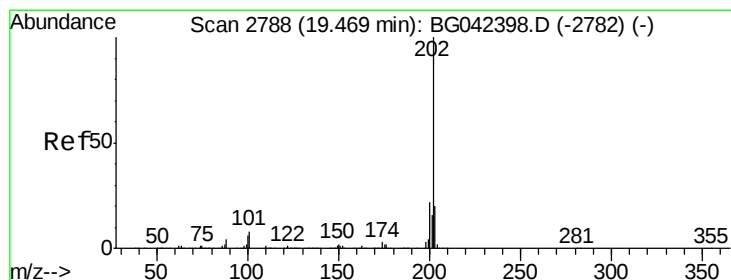
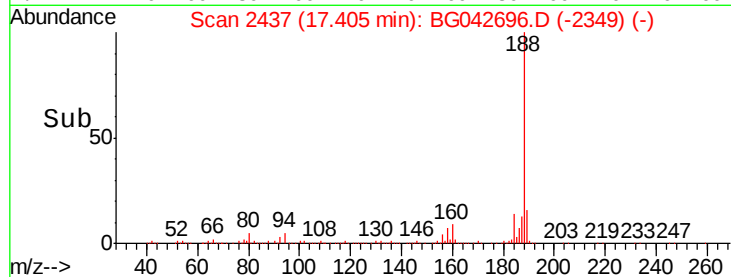
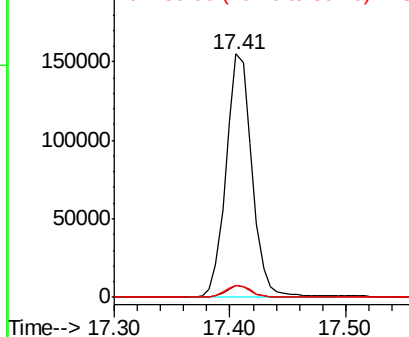
Tot Ion:	188	Resp:	241692
Ion Ratio	Lower	Upper	
188	100		
94	5.1	4.5	6.7
80	5.2	4.9	7.3

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Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGO
Ion 80.00 (79.70 to 80.70): BGO



#75

Fluoranthene

Concen: 12.257 ng

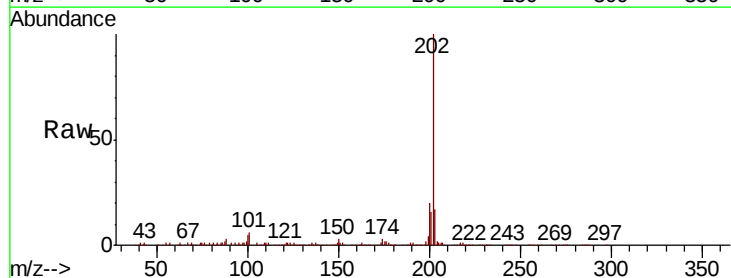
RT: 19.46 min Scan# 2787

Delta R.T. -0.01 min

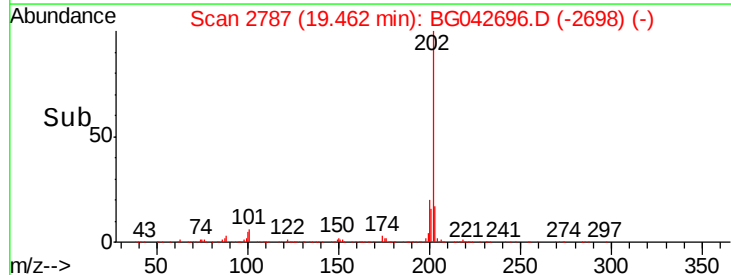
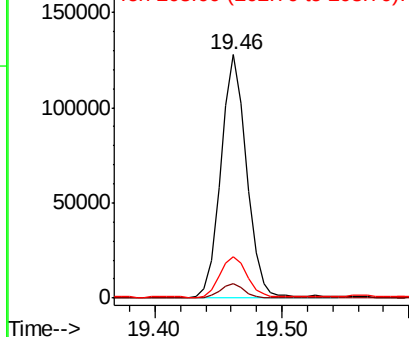
Lab File: BG042696.D

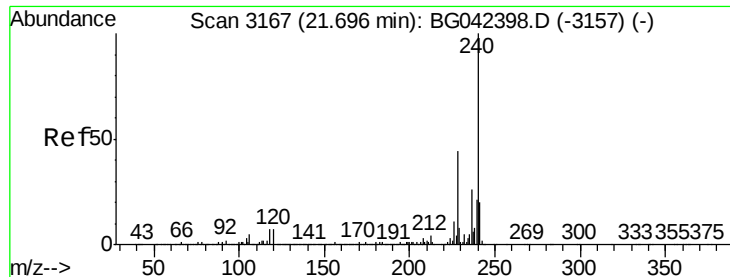
Acq: 3 Sep 2019 19:46

Tgt Ion:	202	Resp:	179587
Ion Ratio	Lower	Upper	
202	100		
101	5.9	0.0	28.3
203	17.1	0.0	39.6



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





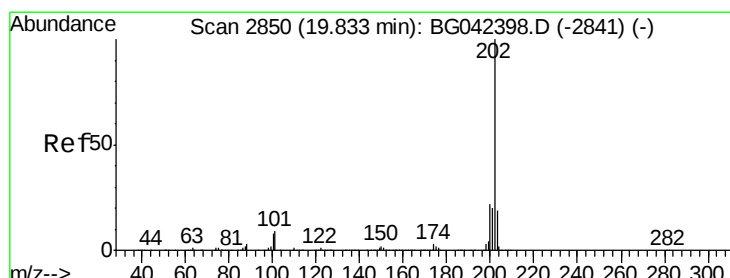
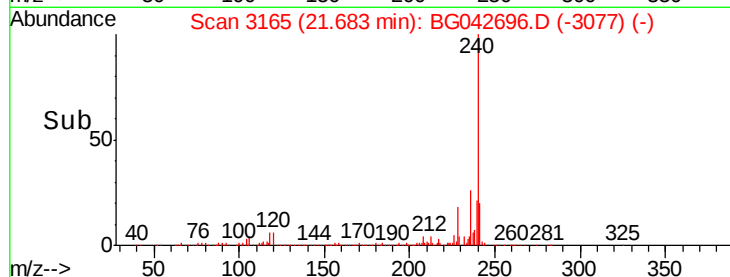
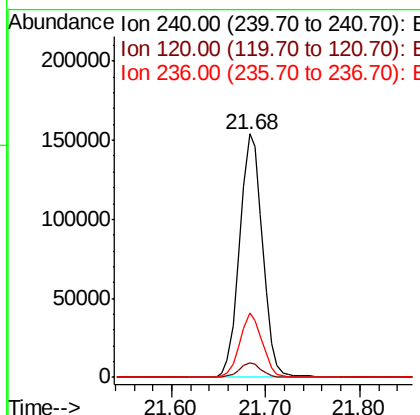
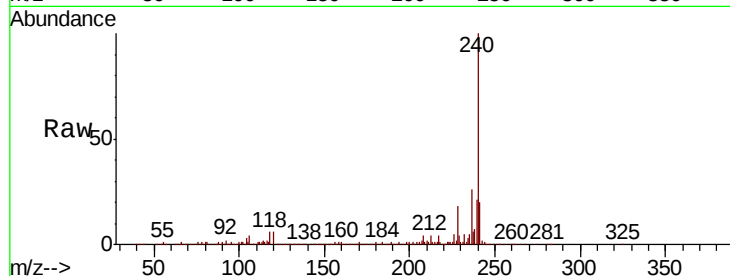
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG042696.D
Acq: 3 Sep 2019 19:46

Instrument :
BNA_G
ClientSampleId :
PAR-D1-D4-(0-3.11)

Tot Ion	Ratio	Lower	Upper
240	100		
120	5.8	5.7	8.5
236	26.2	21.0	31.4

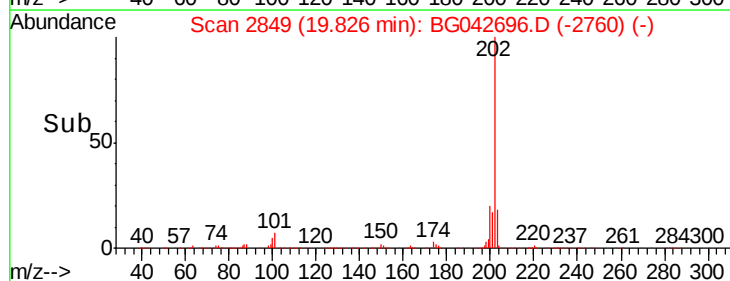
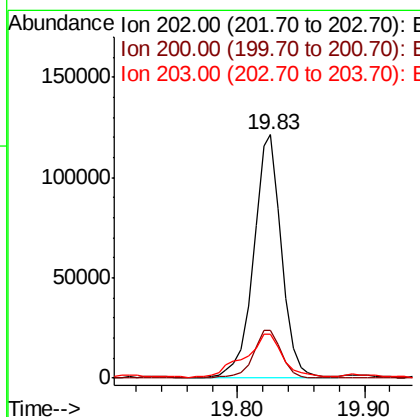
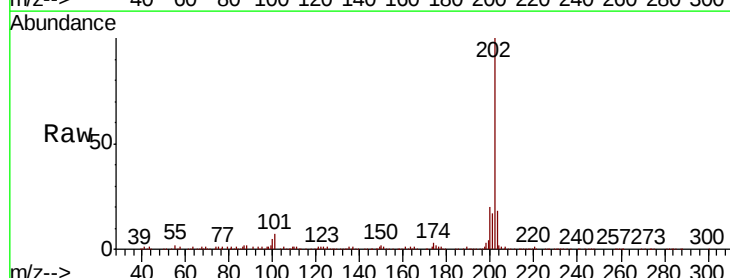
Manual Integrations
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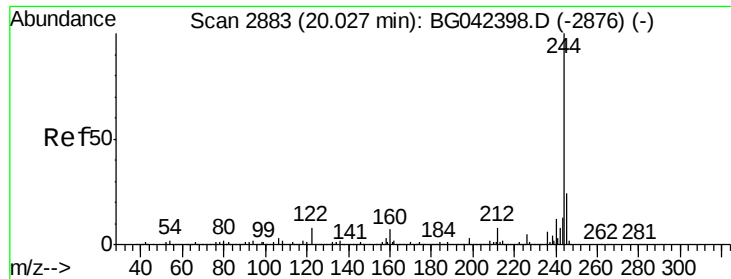
mohammad
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#78
Pyrene
Concen: 11.528 ng
RT: 19.83 min Scan# 2849
Delta R.T. -0.01 min
Lab File: BG042696.D
Acq: 3 Sep 2019 19:46

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	17.8	26.6
203	18.3	15.5	23.3





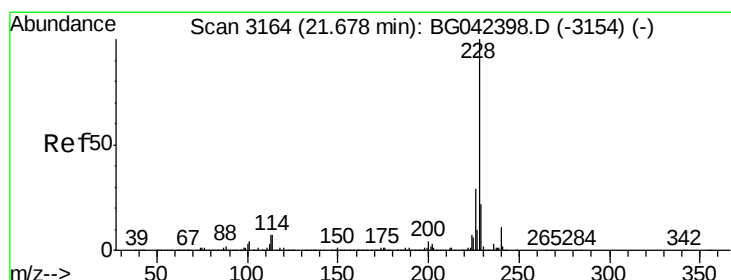
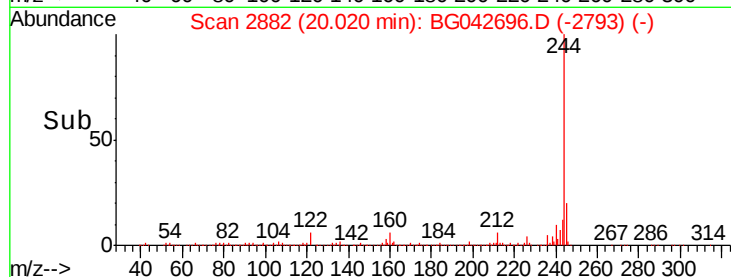
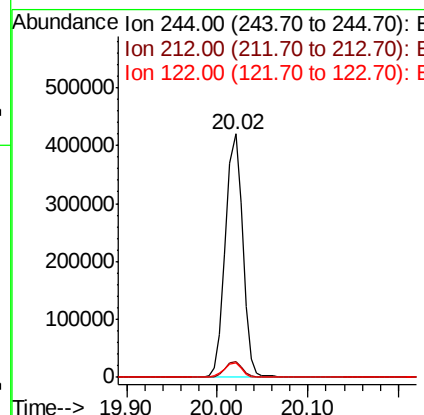
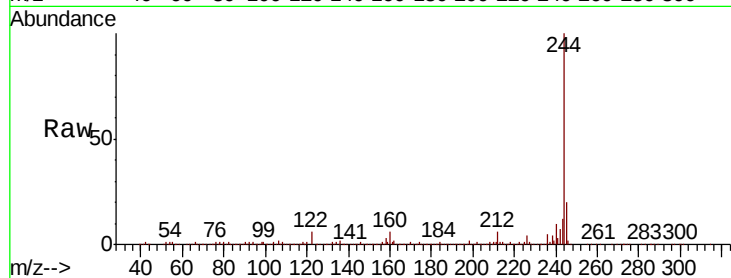
#79
 Terphenyl-d14
 Concen: 46.146 ng
 RT: 20.02 min Scan# 2882
 Delta R.T. -0.01 min
 Lab File: BG042696.D
 Acq: 3 Sep 2019 19:46

Instrument :
 BNA_G
 ClientSampleId :
 PAR-D1-D4-(0-3.11)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.0	9.0
122	6.1	6.7	10.1

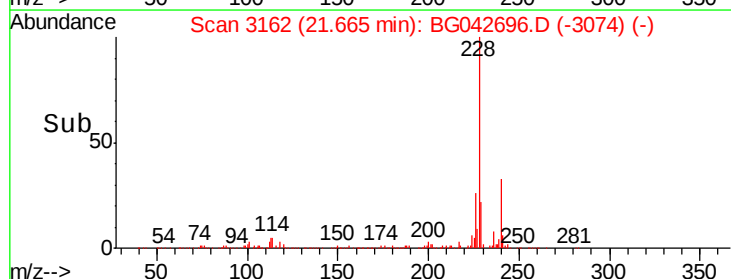
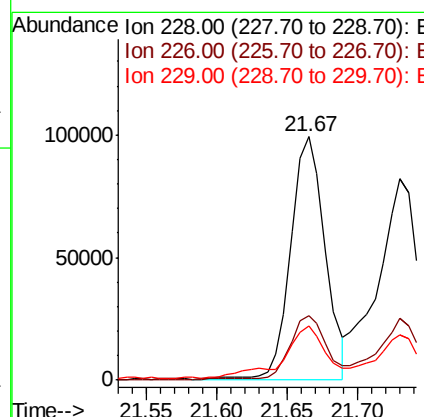
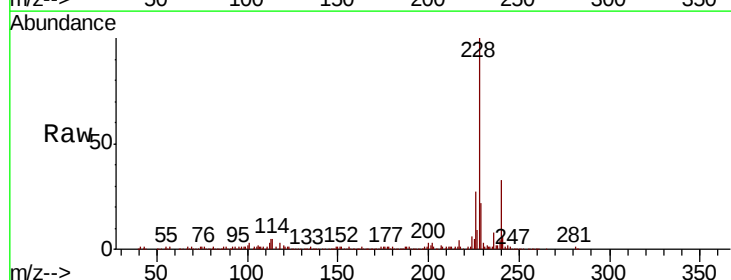
Manual Integrations
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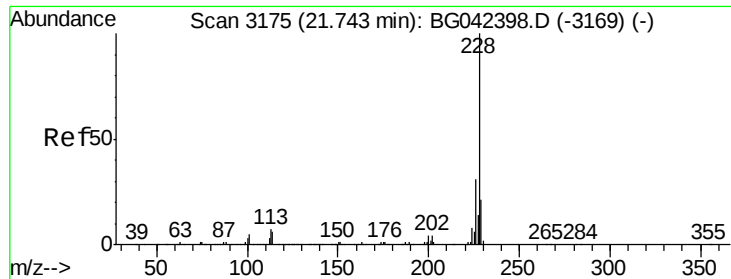
mohammad
 9/6/2019 8:17:37 AM



#81
 Benzo(a)anthracene
 Concen: 10.520 ng
 RT: 21.67 min Scan# 3162
 Delta R.T. -0.01 min
 Lab File: BG042696.D
 Acq: 3 Sep 2019 19:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.5	23.4	35.2
229	22.2	17.4	26.2





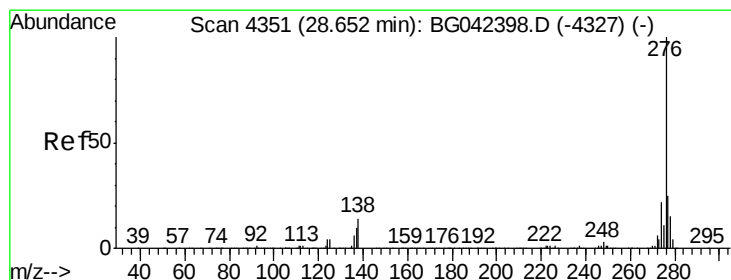
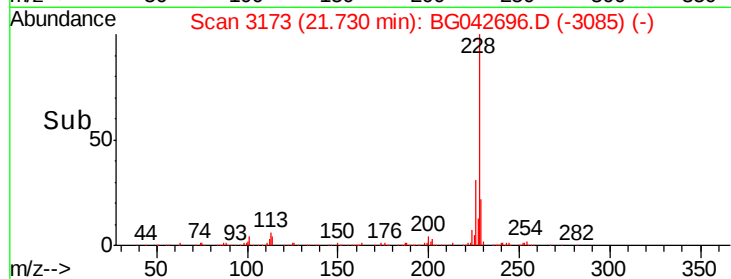
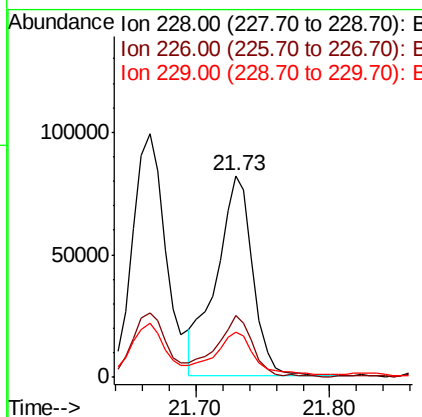
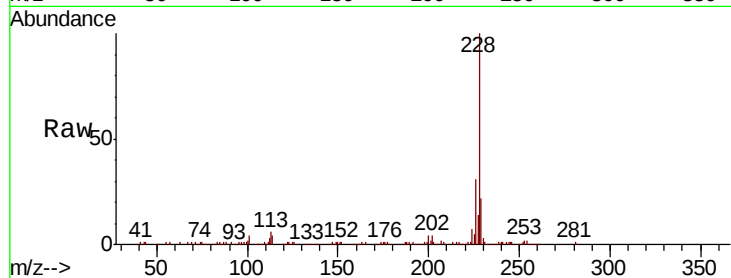
#83
 Chrysene
 Concen: 10.174 ng
 RT: 21.73 min Scan# 3173
 Delta R.T. -0.01 min
 Lab File: BG042696.D
 Acq: 3 Sep 2019 19:46

Instrument :
 BNA_G
 ClientSampleId :
 PAR-D1-D4-(0-3.11)

Tot Ion:	228	Resp:	155813
Ion Ratio	Lower	Upper	
228	100		
226	30.7	24.9	37.3
229	22.3	16.9	25.3

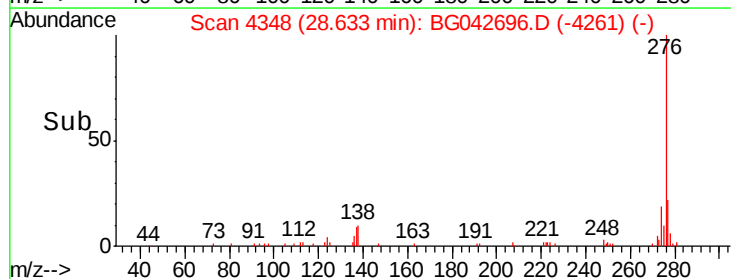
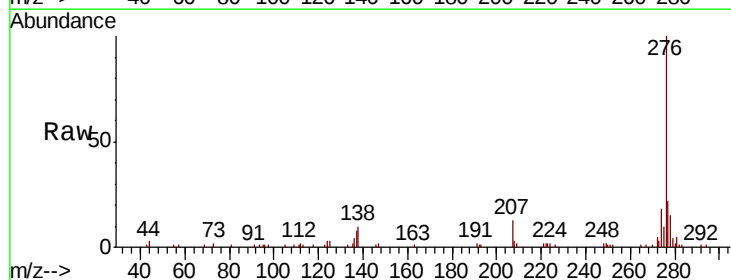
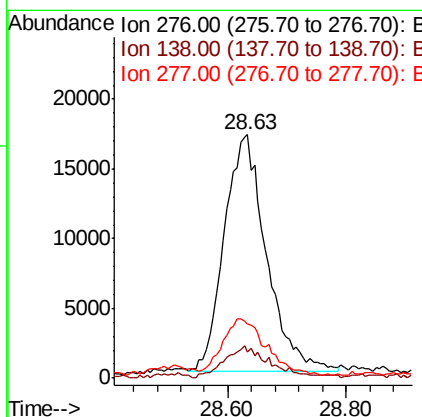
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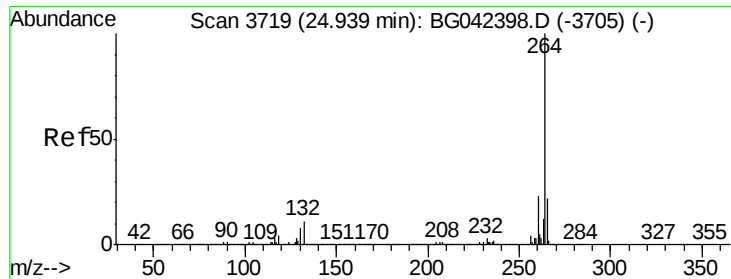
mohammad
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#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.036 ng
 RT: 28.63 min Scan# 4348
 Delta R.T. -0.02 min
 Lab File: BG042696.D
 Acq: 3 Sep 2019 19:46

Tgt Ion:	276	Resp:	84002
Ion Ratio	Lower	Upper	
276	100		
138	14.2	9.2	13.8#
277	24.4	21.0	31.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.93 min Scan# 3717

Delta R.T. -0.01 min

Lab File: BG042696.D

Acq: 3 Sep 2019 19:46

Instrument :

BNA_G

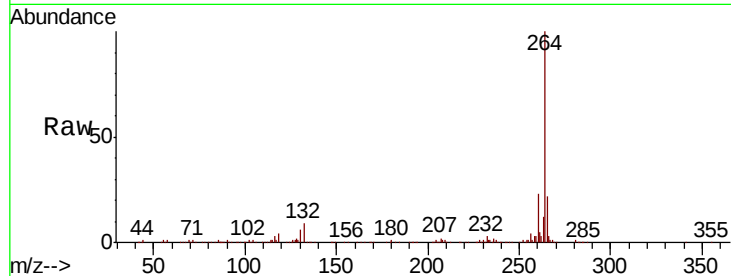
ClientSampleId :

PAR-D1-D4-(0-3.11)

Tot Ion:	264	Resp:	310597
Ion Ratio	Lower	Upper	
264	100		
260	23.4	18.5	27.7
265	22.4	17.6	26.4

Manual Integrations
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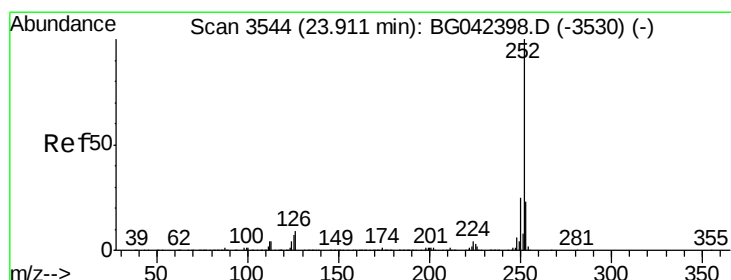
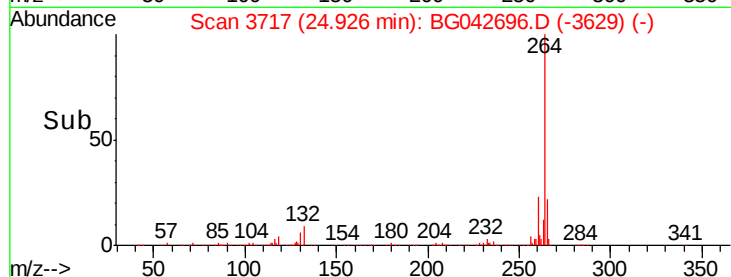
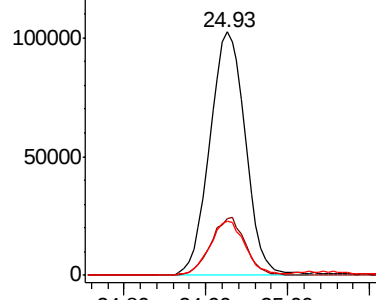


Abundance

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: 14.470 ng

RT: 23.90 min Scan# 3543

Delta R.T. -0.01 min

Lab File: BG042696.D

Acq: 3 Sep 2019 19:46

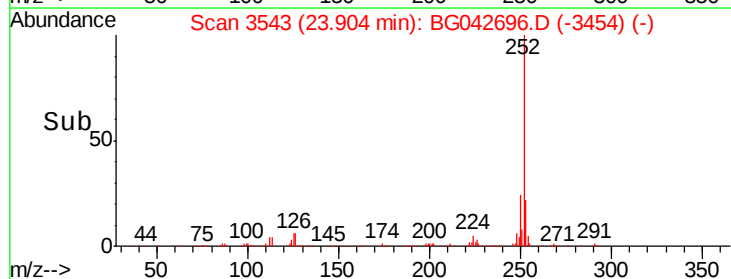
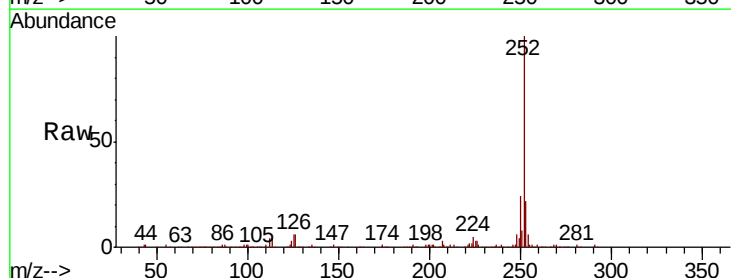
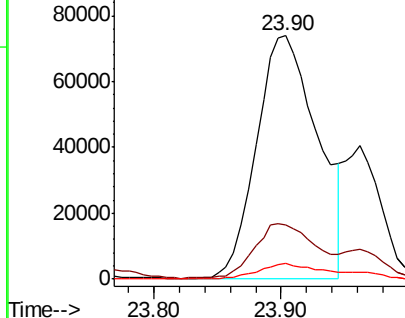
Tgt Ion:	252	Resp:	247081
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.6	27.8
125	6.5	5.6	8.4

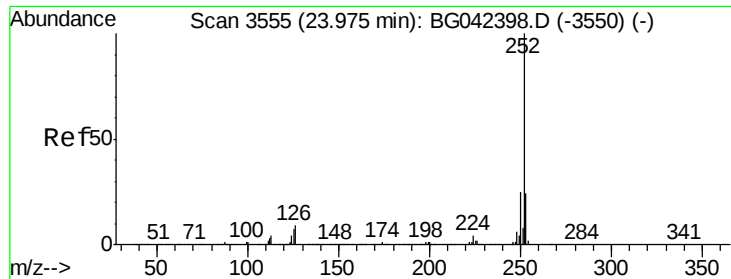
Abundance

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





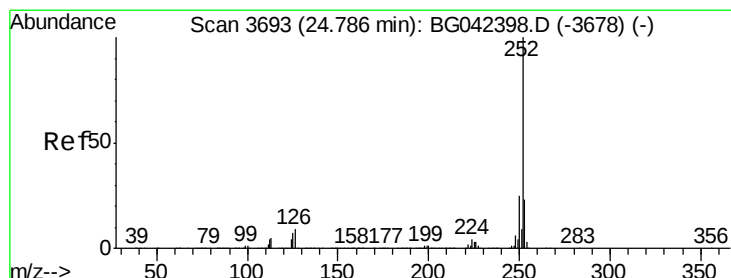
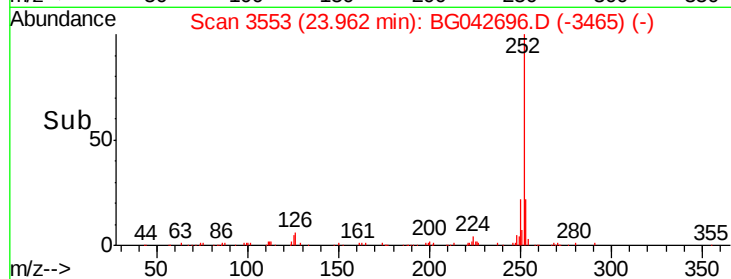
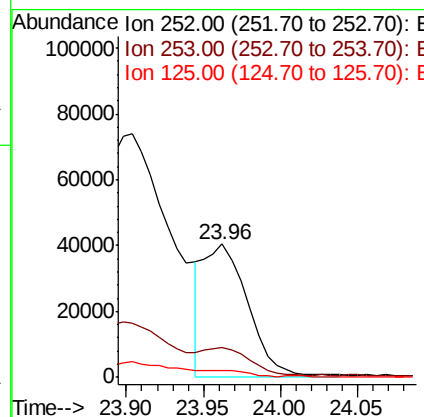
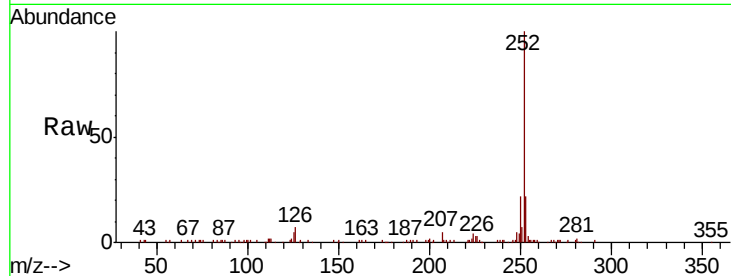
#89
Benzo(k)fluoranthene
Concen: 4.934 ng m
RT: 23.96 min Scan# 3553
Delta R.T. -0.01 min
Lab File: BG042696.D
Acq: 3 Sep 2019 19:46

Instrument :
BNA_G
ClientSampleId :
PAR-D1-D4-(0-3.11)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.6	27.8
125	5.4	5.8	8.6

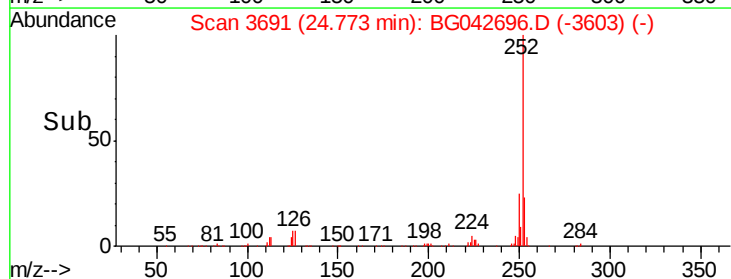
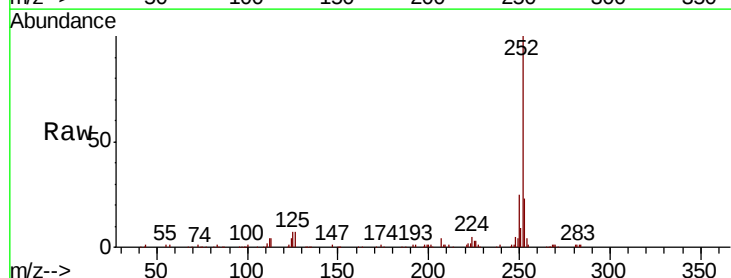
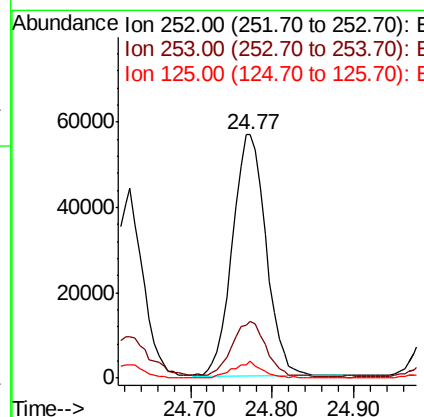
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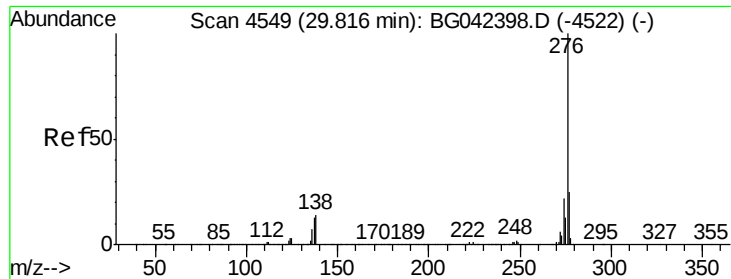
mohammad
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#90
Benzo(a)pyrene
Concen: 9.996 ng
RT: 24.77 min Scan# 3691
Delta R.T. -0.01 min
Lab File: BG042696.D
Acq: 3 Sep 2019 19:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.4	27.6
125	7.3	6.0	9.0





#92
 Benzo(a,h,i)perylene
 Concen: 4.737 ng
 RT: 29.79 min Scan# 4544
 Delta R.T. -0.03 min
 Lab File: BG042696.D
 Acq: 3 Sep 2019 19:46

Instrument :
 BNA_G
 ClientSampleId :
 PAR-D1-D4-(0-3.11)

Tot Ion:	276	Resp:	77728
Ion Ratio	Lower	Upper	
276	100		
277	22.3	19.8	29.8
138	11.7	11.4	17.0

Manual Integrations
 APPROVED

mohammad
 9/6/2019 8:17:37 AM

