

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091620\
 Data File : BG046656.D
 Acq On : 17 Sep 2020 1:23
 Operator : CG/JU
 Sample : L4013-05DL 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PAV-B40-091420-10-15DL

Manual Integrations
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Quant Time: Sep 17 02:26:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 16 11:07:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	91646	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	359998	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	208120	20.00	ng	0.00
64) Phenanthrene-d10	17.29	188	446928	20.00	ng	0.00
76) Chrysene-d12	21.54	240	458044	20.00	ng	0.00
86) Perylene-d12	24.64	264	468131	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	229216	44.30	ng	0.00
7) Phenol-d6	7.09	99	300406	40.95	ng	0.00
23) Nitrobenzene-d5	9.07	82	196188	31.15	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	99417	35.26	ng	0.00
45) 2-Fluorobiphenyl	13.17	172	492123	36.10	ng	0.00
79) Terphenyl-d14	19.91	244	647310	30.08	ng	0.00
Target Compounds						
10) Phenol	7.12	94	16058	2.377	ng	90
50) Dimethylphthalate	14.00	163	54693	3.397	ng	97
52) Acenaphthene	14.61	154	36768	3.186	ng	97
55) Dibenzofuran	14.95	168	38228	2.064	ng	# 94
58) Fluorene	15.60	166	48004	3.088	ng	98
71) Phenanthrene	17.34	178	940983	41.538	ng	98
72) Anthracene	17.43	178	260072	11.636	ng	96
73) Carbazole	17.70	167	43070	2.041	ng	97
75) Fluoranthene	19.35	202	1243661	42.660	ng	98
78) Pyrene	19.71	202	1122080	38.470	ng	99
81) Benzo(a)anthracene	21.52	228	501583	17.569	ng	98
83) Chrysene	21.59	228	422419	15.382	ng	98
87) Indeno(1,2,3-cd)pyrene	28.14	276	247057	7.348	ng	95
88) Benzo(b)fluoranthene	23.66	252	480076	16.424	ng	99
89) Benzo(k)fluoranthene	23.72	252	171705m	6.078	ng	
90) Benzo(a)pyrene	24.49	252	395072	14.483	ng	97
92) Benzo(a,h,i)perylene	29.23	276	231593	8.548	ng	99

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

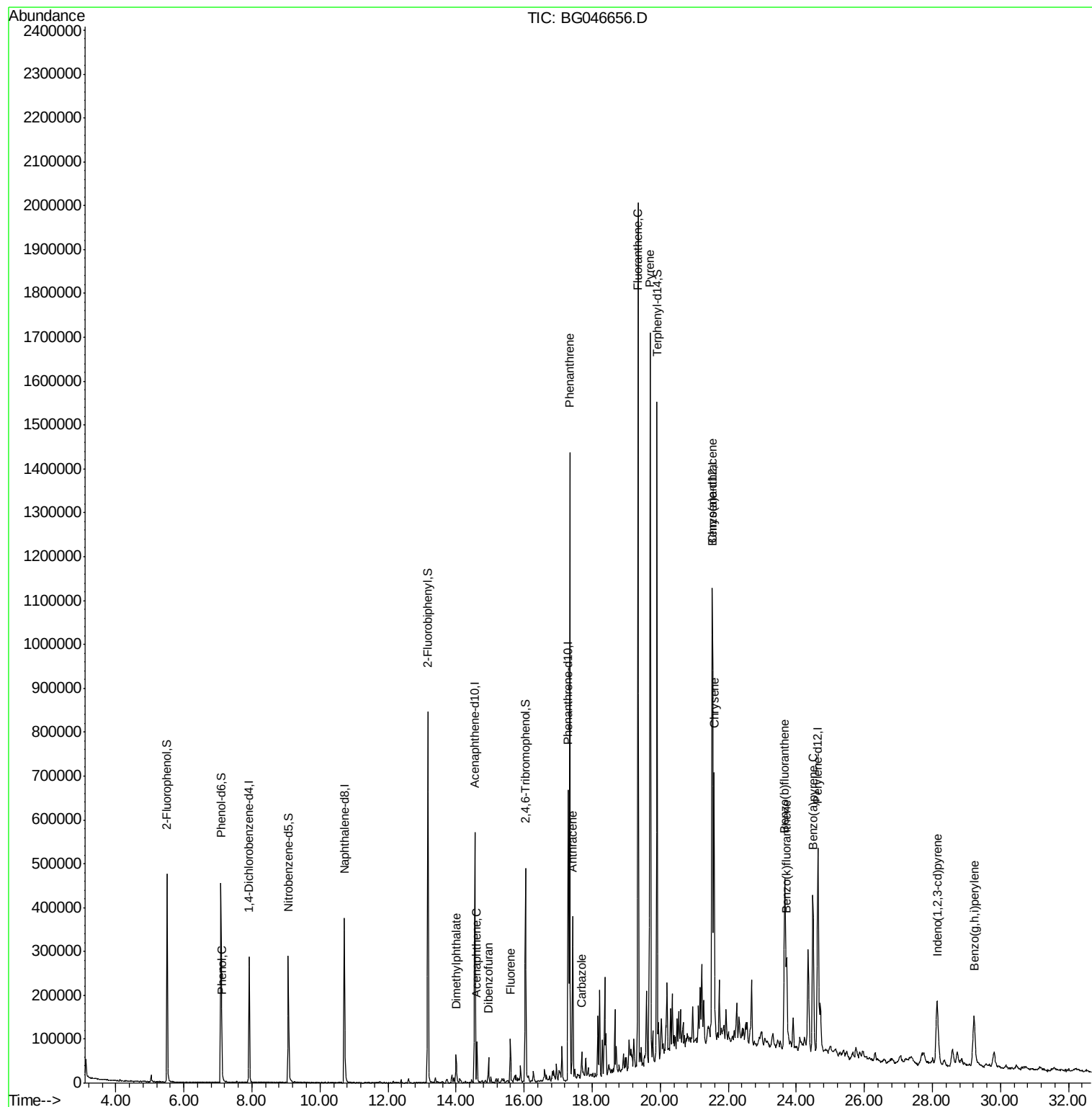
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091620\
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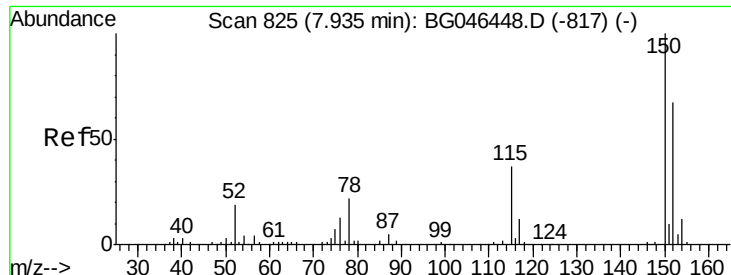
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
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#1

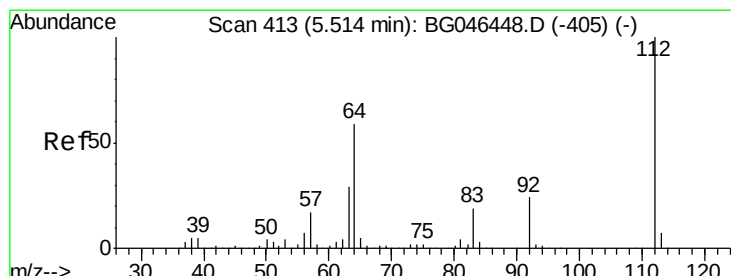
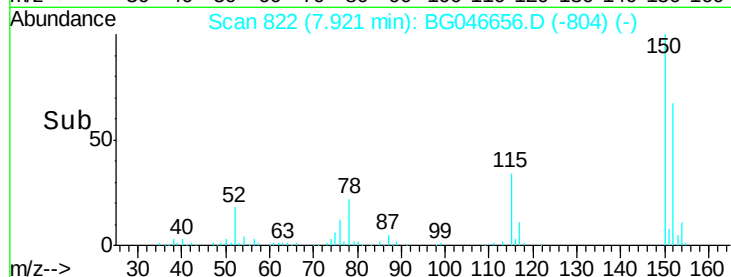
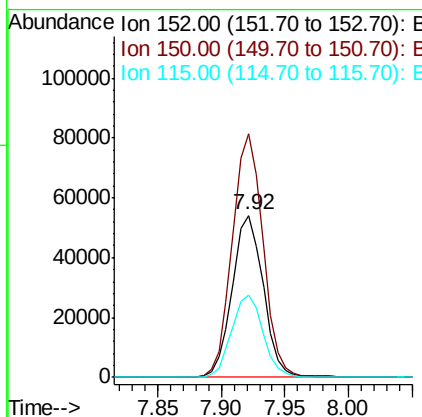
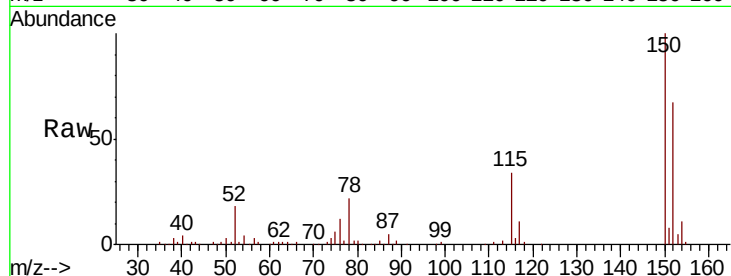
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. 0.00 min
Lab File: BG046656.D
Acq: 17 Sep 2020 1:23

Instrument :
BNA_G
ClientSampleId :
PAV-B40-091420-10-15DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.1	125.0	187.6
115	51.1	41.8	62.6

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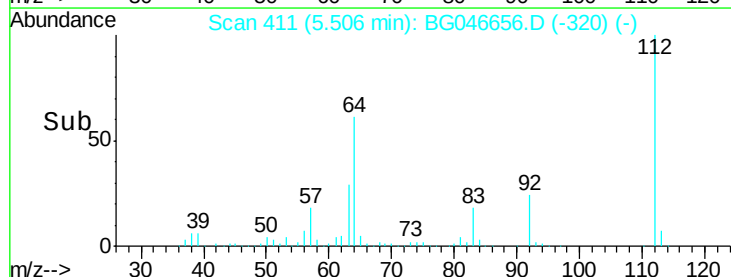
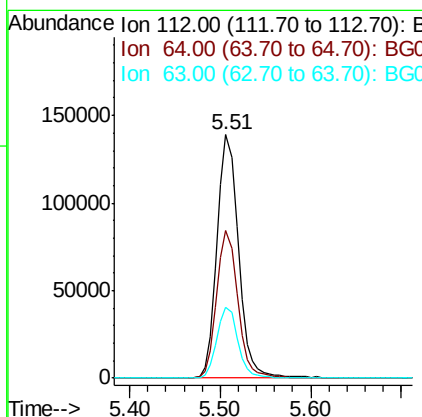
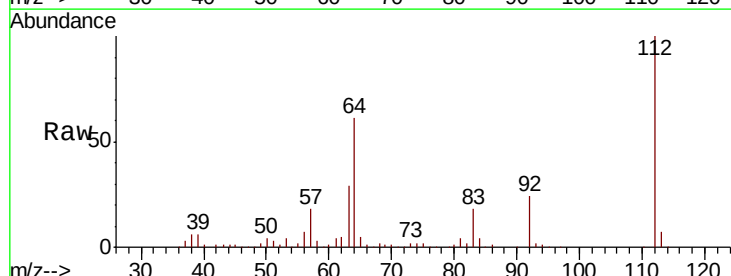
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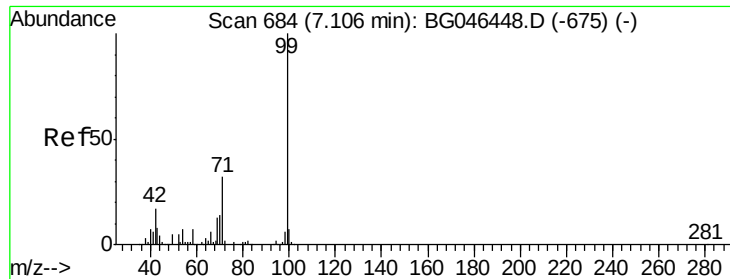


#5

2-Fluorophenol
Concen: 44.299 ng
RT: 5.51 min Scan# 411
Delta R.T. 0.00 min
Lab File: BG046656.D
Acq: 17 Sep 2020 1:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	46.7	70.1
63	29.2	22.8	34.2





#7

Phenol-d6

Concen: 40.955 ng

RT: 7.09 min Scan# 681

Delta R.T. -0.00 min

Lab File: BG046656.D

Acq: 17 Sep 2020 1:23

Instrument :

BNA_G

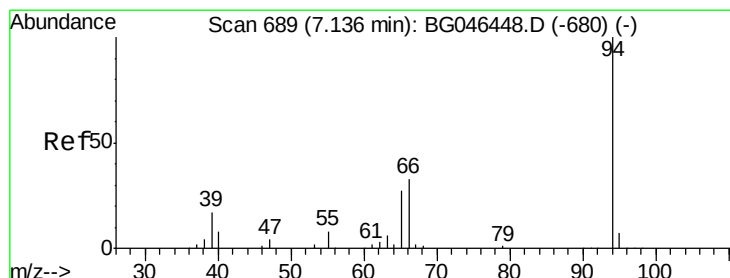
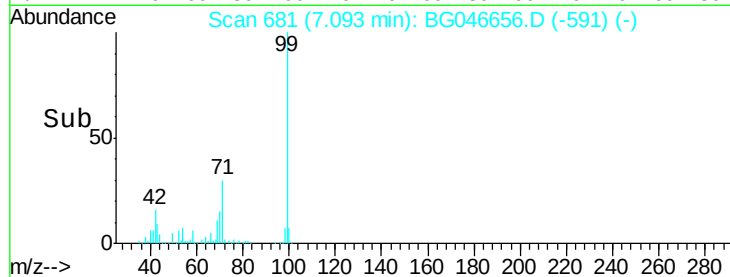
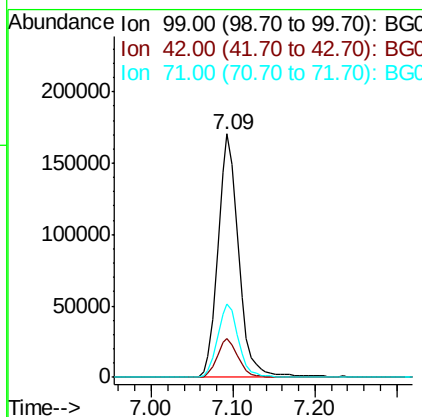
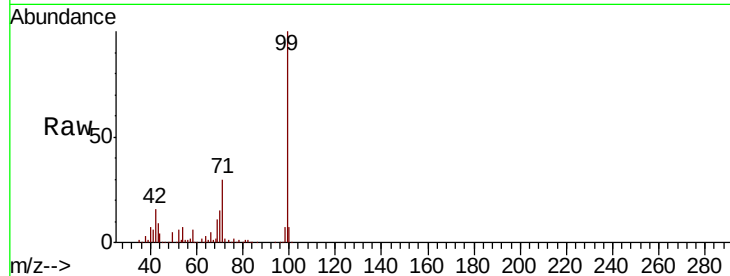
ClientSampleId :

PAV-B40-091420-10-15DL

Tot Ion:	99	Resp:	300406
Ion Ratio	Lower	Upper	
99	100		
42	15.8	12.8	19.2
71	30.3	24.6	36.8

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#10

Phenol

Concen: 2.377 ng

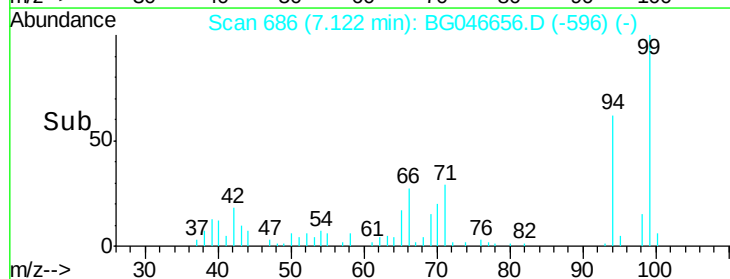
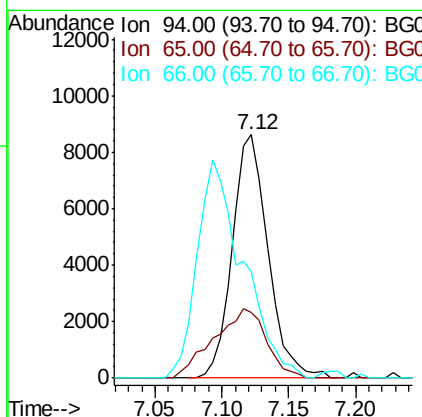
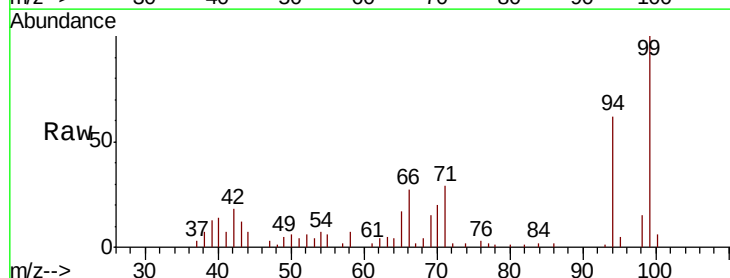
RT: 7.12 min Scan# 686

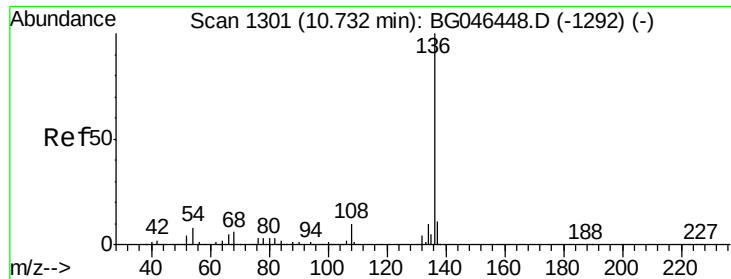
Delta R.T. -0.00 min

Lab File: BG046656.D

Acq: 17 Sep 2020 1:23

Tgt Ion:	94	Resp:	16058
Ion Ratio	Lower	Upper	
94	100		
65	27.1	6.6	46.6
66	43.8	13.9	53.9





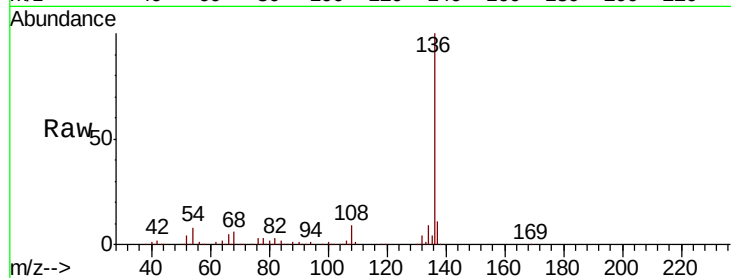
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BG046656.D
Acq: 17 Sep 2020 1:23

Instrument :
BNA_G
ClientSampleId :
PAV-B40-091420-10-15DL

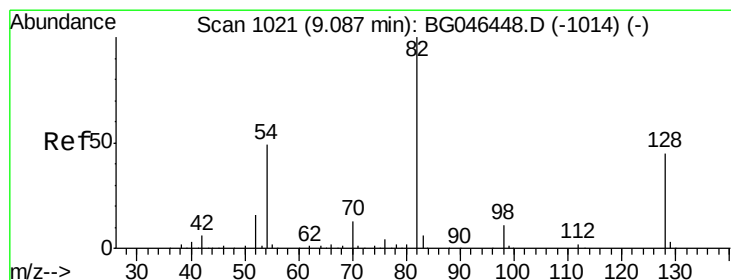
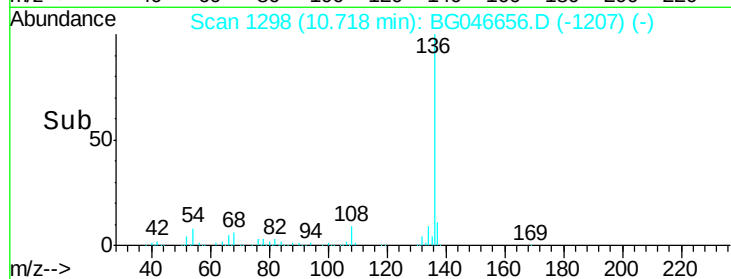
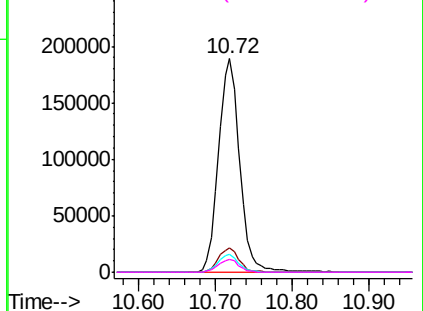
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.5	9.1	13.7	
54	8.3	6.2	9.4	
68	6.2	5.0	7.4	

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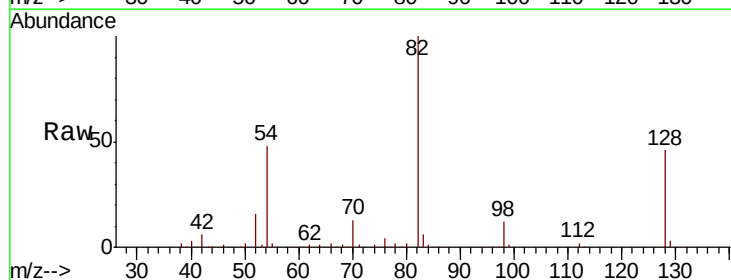


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

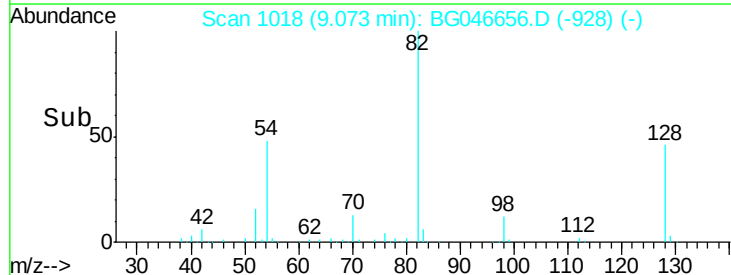
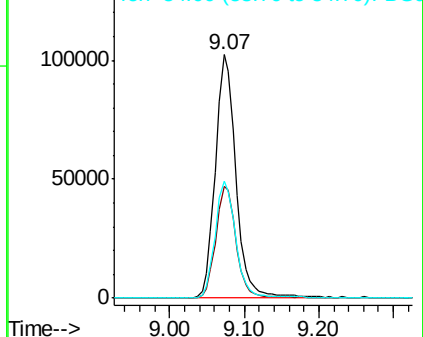


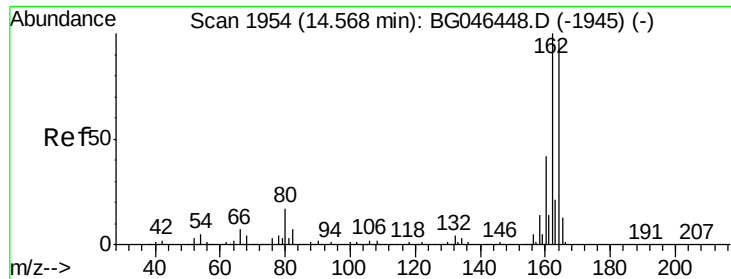
#23
Nitrobenzene-d5
Concen: 31.148 ng
RT: 9.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BG046656.D
Acq: 17 Sep 2020 1:23

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.8	37.0	55.6	
54	48.2	39.0	58.4	



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





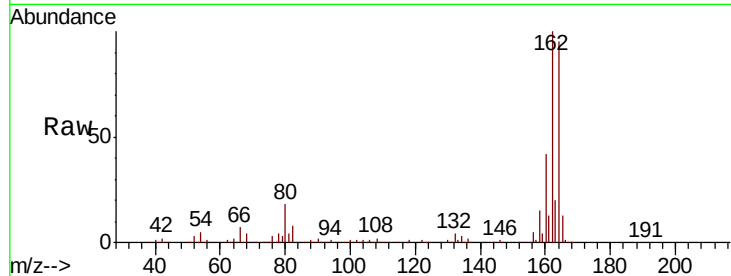
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.55 min Scan# 1950
Delta R.T. -0.00 min
Lab File: BG046656.D
Acq: 17 Sep 2020 1:23

Instrument :
BNA_G
ClientSampleId :
PAV-B40-091420-10-15DL

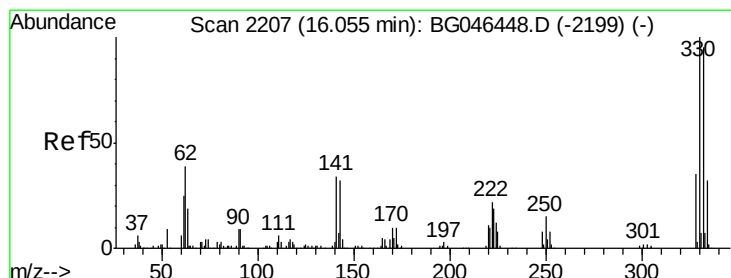
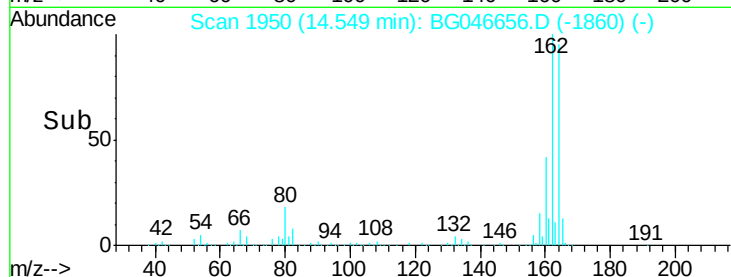
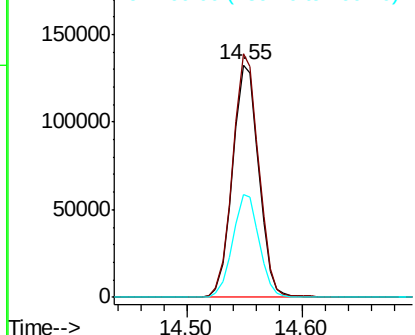
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.7	82.3	123.5	
160	44.1	35.3	52.9	

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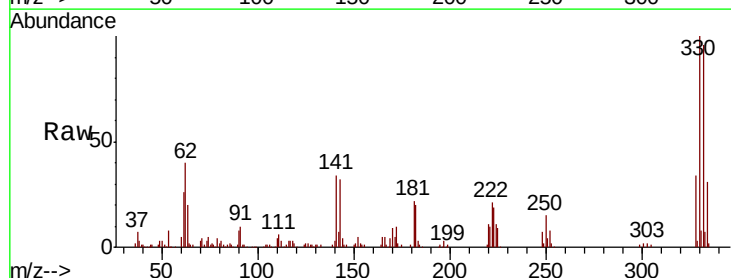


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

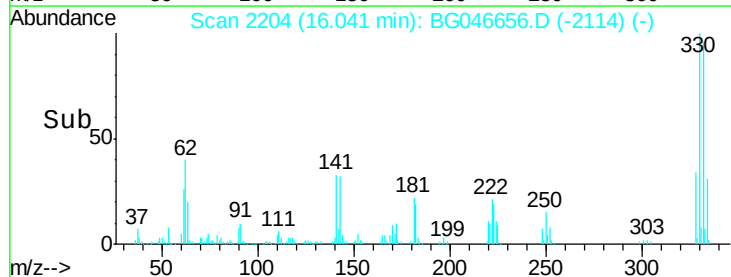
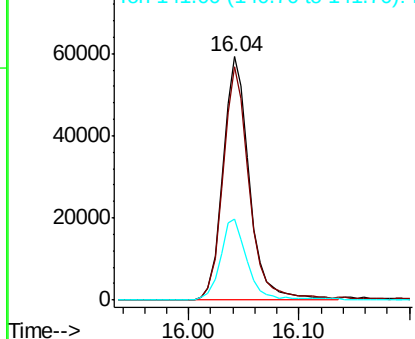


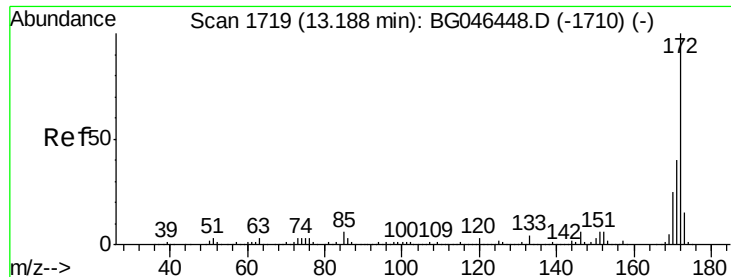
#42
2,4,6-Tribromophenol
Concen: 35.256 ng
RT: 16.04 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BG046656.D
Acq: 17 Sep 2020 1:23

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.4	76.5	114.7	
141	33.5	26.0	39.0	



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





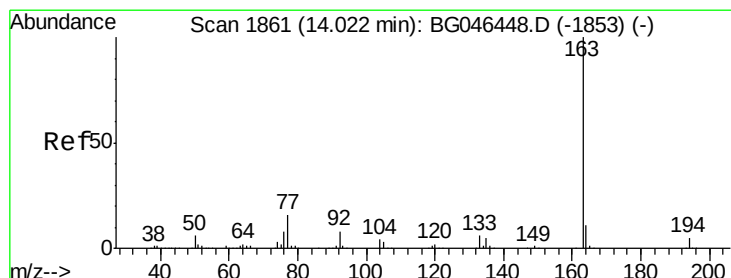
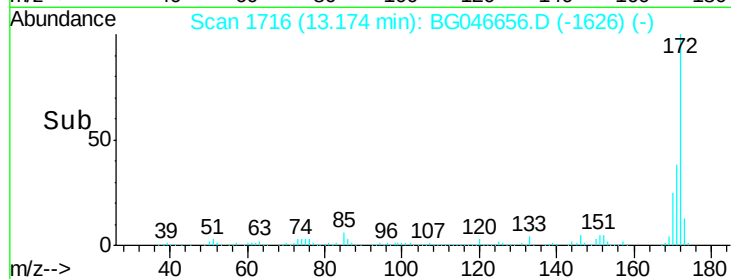
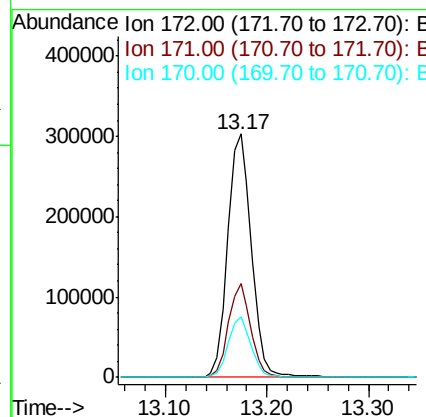
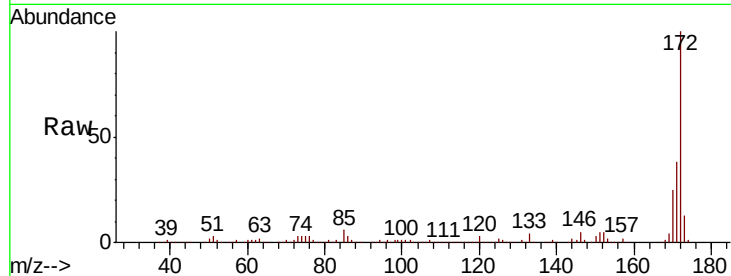
#45
 2-Fluorobiphenyl
 Concen: 36.097 ng
 RT: 13.17 min Scan# 1716
 Delta R.T. -0.00 min
 Lab File: BG046656.D
 Acq: 17 Sep 2020 1:23

Instrument :
 BNA_G
 ClientSampleId :
 PAV-B40-091420-10-15DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.3	31.3	46.9
170	24.7	20.8	31.2

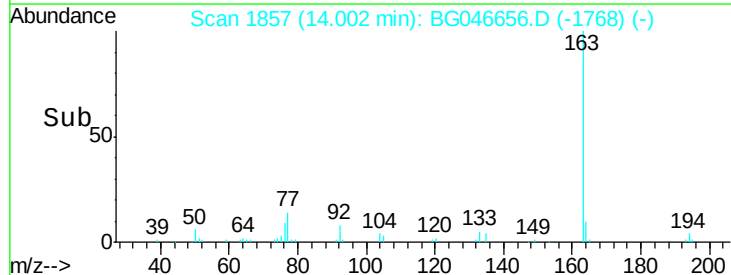
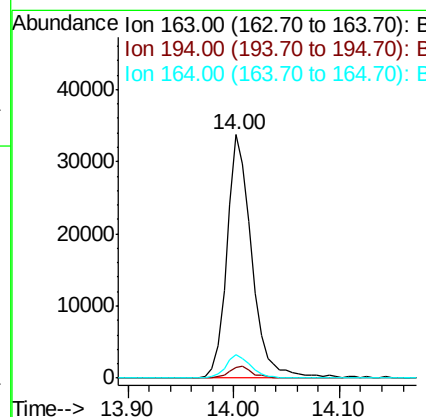
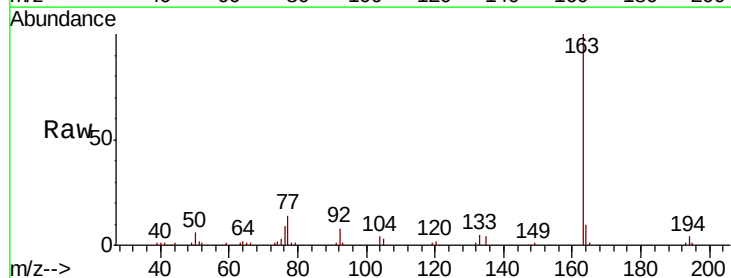
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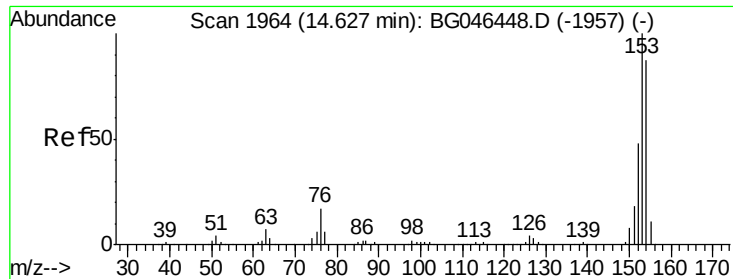
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#50
 Dimethylphthalate
 Concen: 3.397 ng
 RT: 14.00 min Scan# 1857
 Delta R.T. -0.01 min
 Lab File: BG046656.D
 Acq: 17 Sep 2020 1:23

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.8	5.8
164	9.6	8.8	13.2





#52

Acenaphthene

Concen: 3.186 ng

RT: 14.61 min Scan# 1961

Delta R.T. -0.00 min

Lab File: BG046656.D

Acq: 17 Sep 2020 1:23

Instrument :

BNA_G

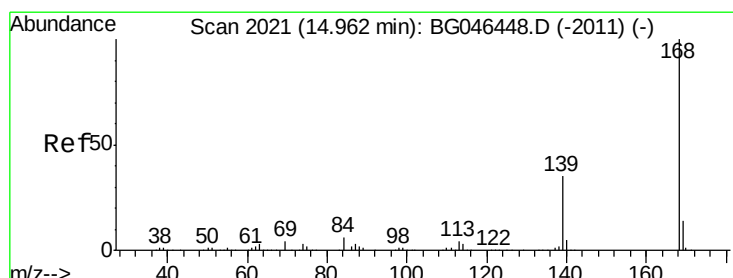
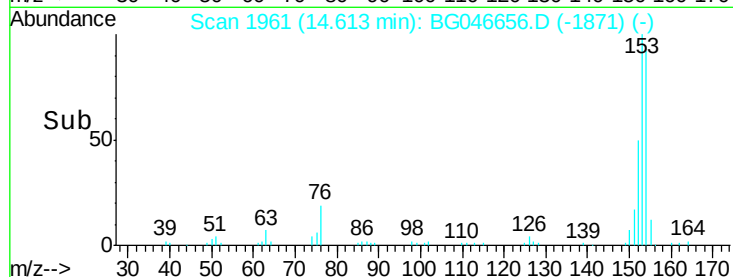
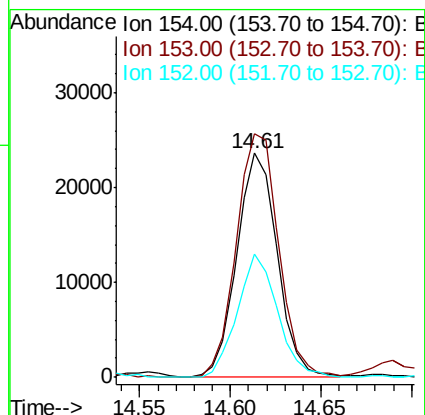
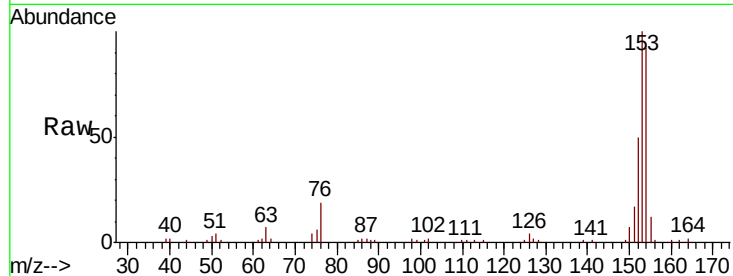
ClientSampleId :

PAV-B40-091420-10-15DL

Tot Ion:	154	Resp:	36768
Ion	Ratio	Lower	Upper
154	100		
153	108.7	90.3	135.5
152	54.9	43.8	65.8

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#55

Dibenzofuran

Concen: 2.064 ng

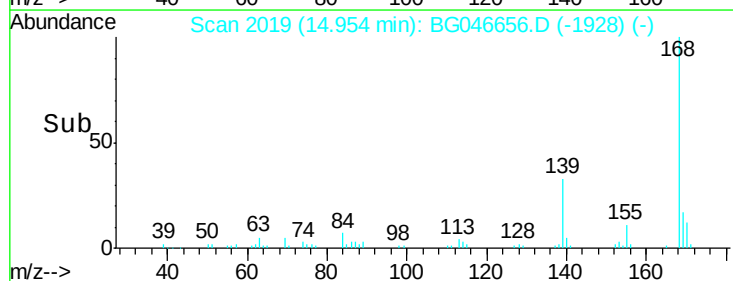
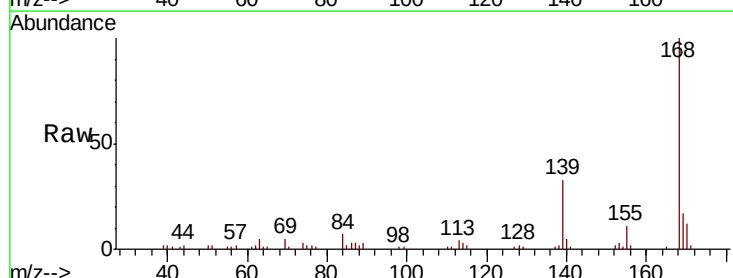
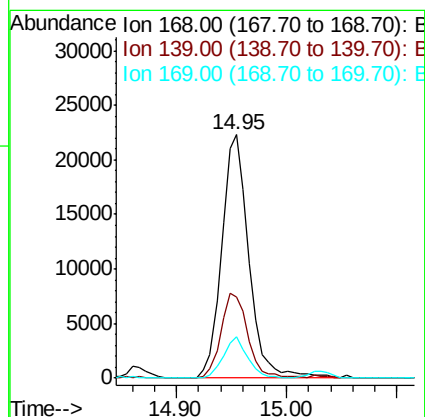
RT: 14.95 min Scan# 2019

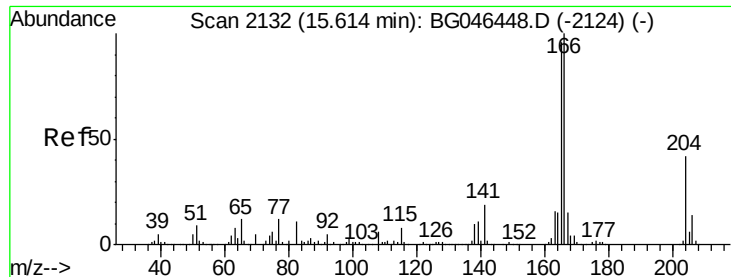
Delta R.T. 0.00 min

Lab File: BG046656.D

Acq: 17 Sep 2020 1:23

Tgt Ion:	168	Resp:	38228
Ion	Ratio	Lower	Upper
168	100		
139	33.1	28.6	43.0
169	17.0	11.0	16.6#





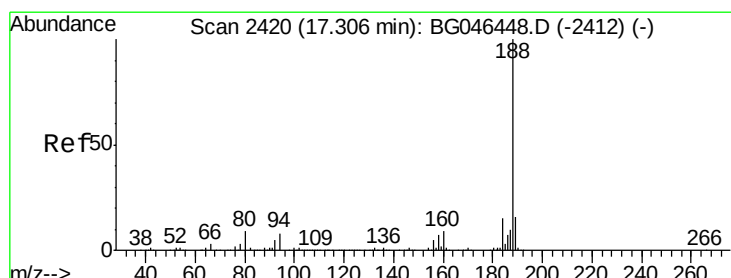
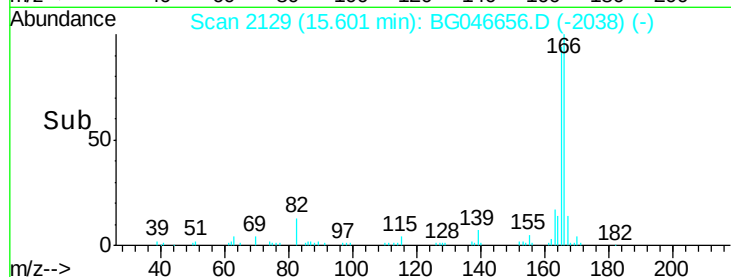
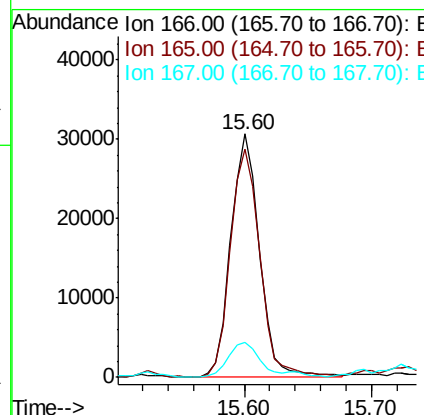
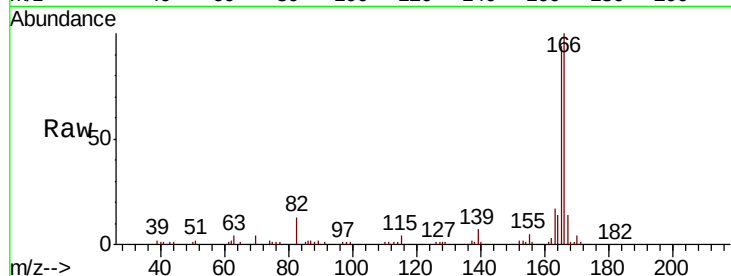
#58
 Fluorene
 Concen: 3.088 ng
 RT: 15.60 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: BG046656.D
 Acq: 17 Sep 2020 1:23

Instrument :
 BNA_G
 ClientSampleId :
 PAV-B40-091420-10-15DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		48004		
165	93.8	77.2	115.8		
167	14.2	11.4	17.2		

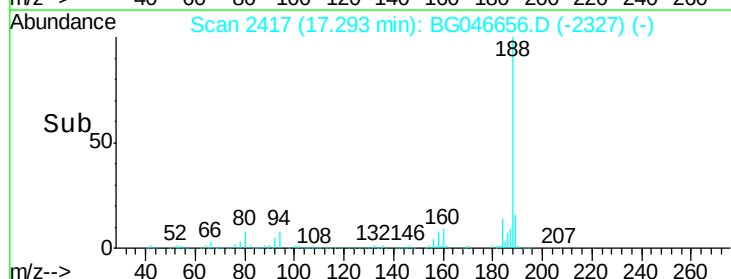
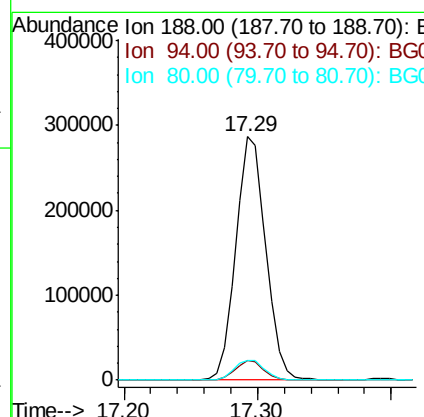
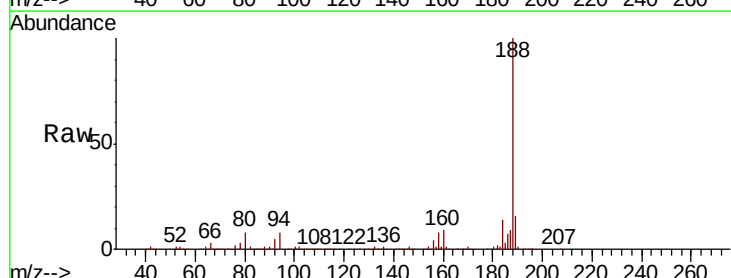
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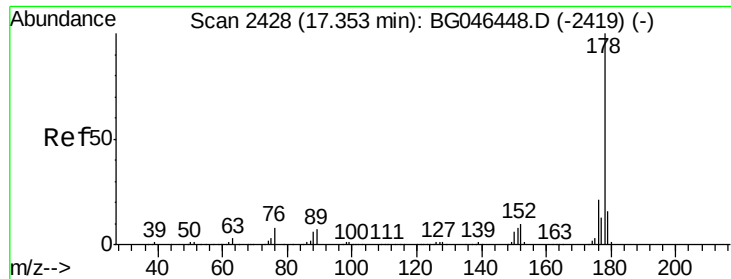
mohammad
 9/18/2020 11:27:39 AM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.29 min Scan# 2417
 Delta R.T. -0.00 min
 Lab File: BG046656.D
 Acq: 17 Sep 2020 1:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		446928		
94	8.2	6.3	9.5		
80	8.2	7.0	10.6		





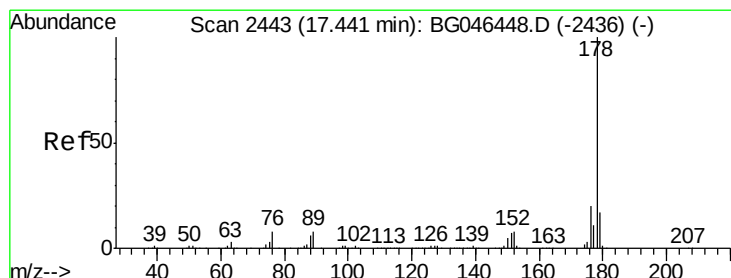
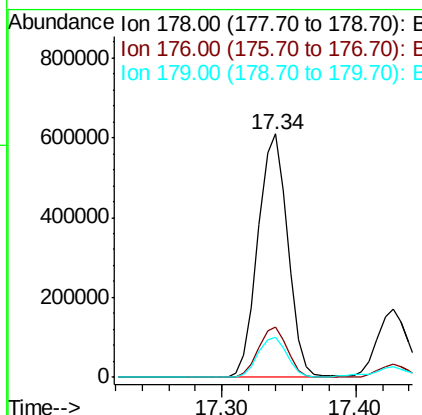
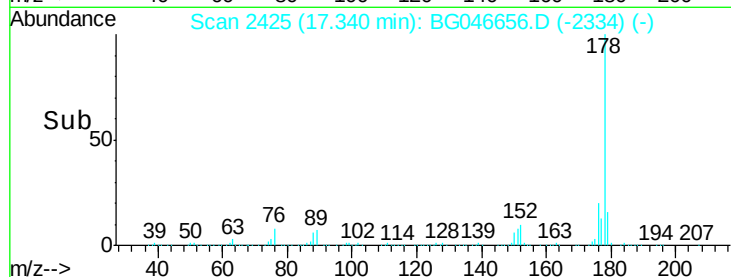
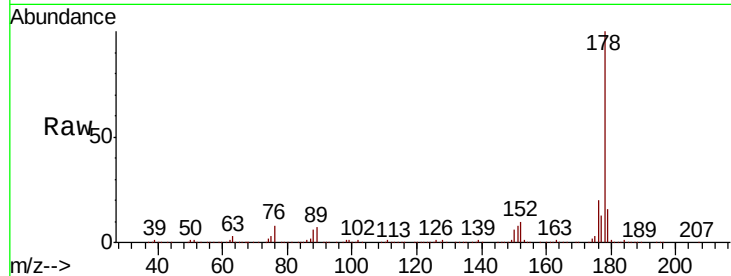
#71
Phenanthrene
Concen: 41.538 ng
RT: 17.34 min Scan# 2425
Delta R.T. 0.00 min
Lab File: BG046656.D
Acq: 17 Sep 2020 1:23

Instrument :
BNA_G
ClientSampleId :
PAV-B40-091420-10-15DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.5	16.7	25.1
179	16.5	14.0	21.0

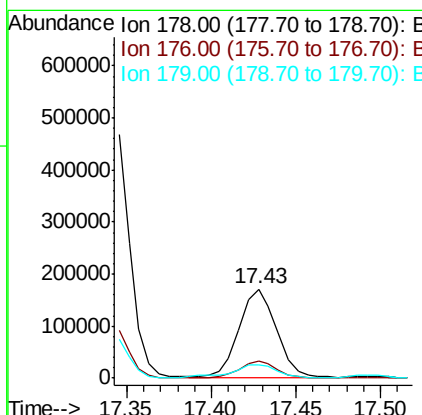
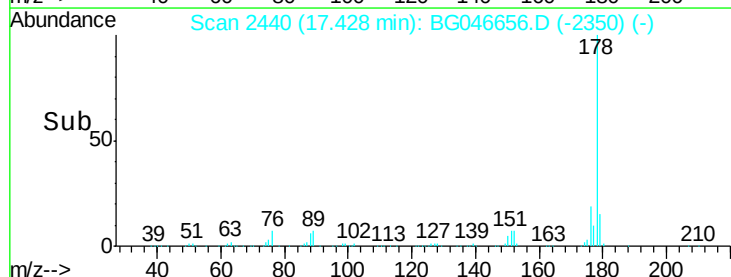
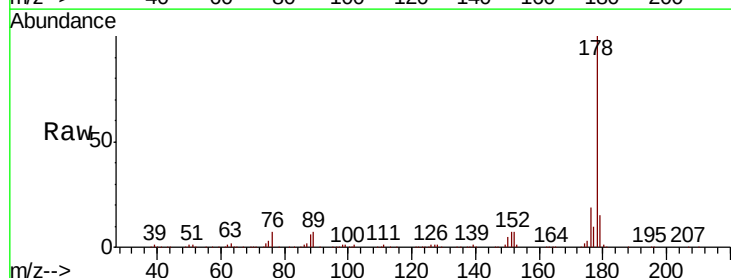
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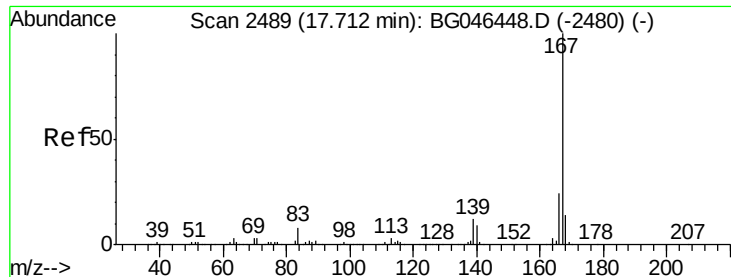
mohammad
9/18/2020 11:27:39 AM



#72
Anthracene
Concen: 11.636 ng
RT: 17.43 min Scan# 2440
Delta R.T. -0.00 min
Lab File: BG046656.D
Acq: 17 Sep 2020 1:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.4	24.6
179	15.2	13.8	20.6





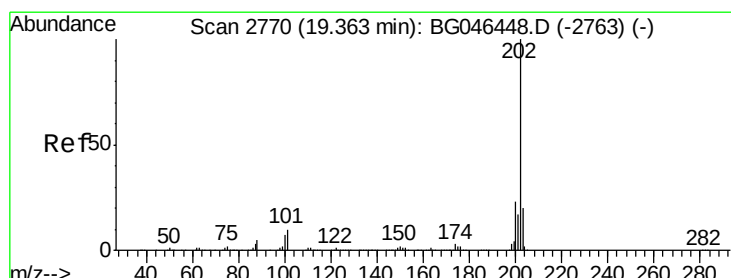
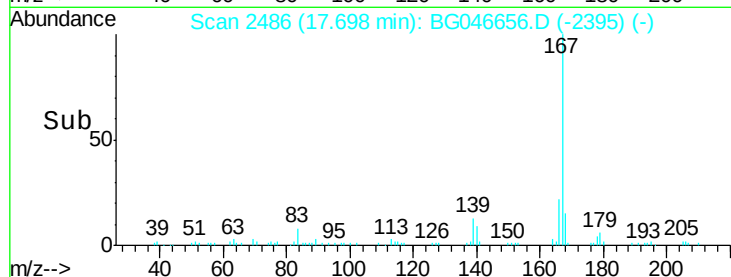
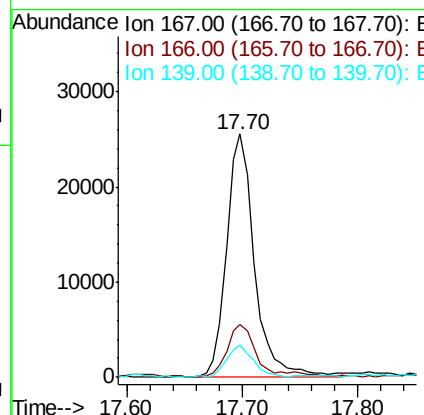
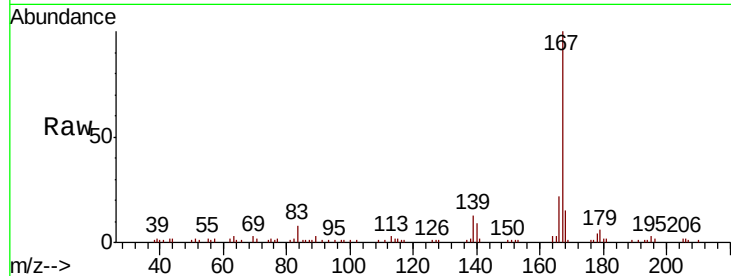
#73
 Carbazole
 Concen: 2.041 ng
 RT: 17.70 min Scan# 2486
 Delta R.T. 0.00 min
 Lab File: BG046656.D
 Acq: 17 Sep 2020 1:23

Instrument :
 BNA_G
 ClientSampleId :
 PAV-B40-091420-10-15DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.7	18.7	28.1
139	13.2	9.6	14.4

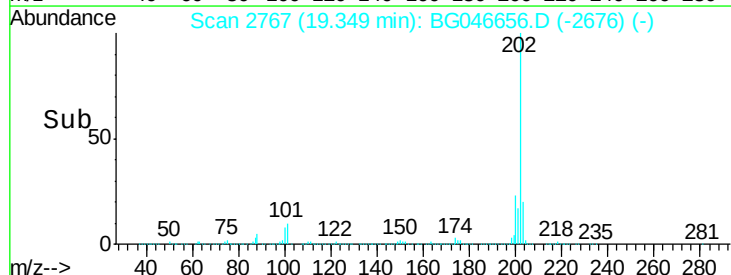
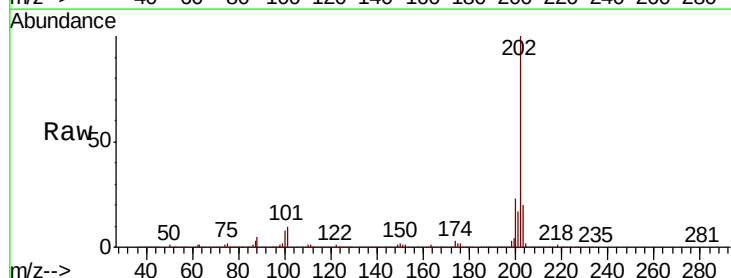
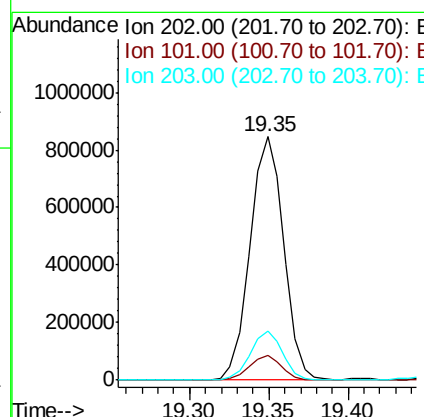
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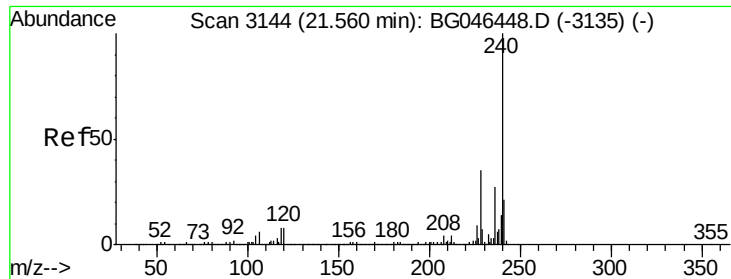
mohammad
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#75
 Fluoranthene
 Concen: 42.660 ng
 RT: 19.35 min Scan# 2767
 Delta R.T. 0.00 min
 Lab File: BG046656.D
 Acq: 17 Sep 2020 1:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	29.7
203	20.2	0.0	39.2





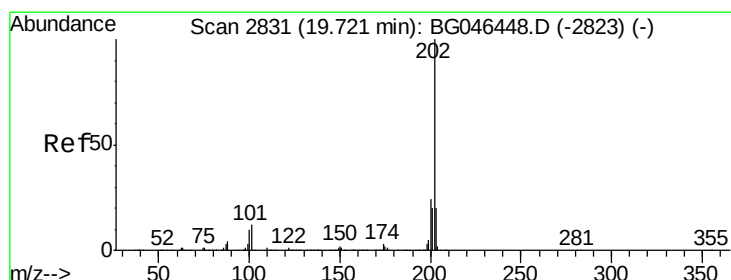
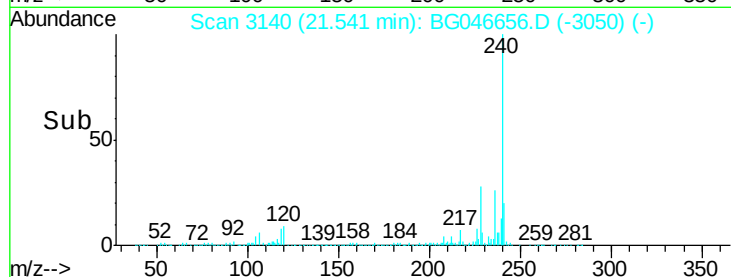
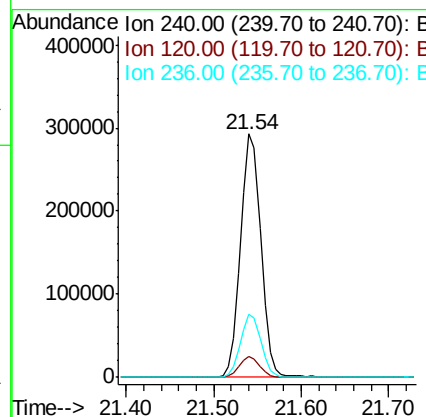
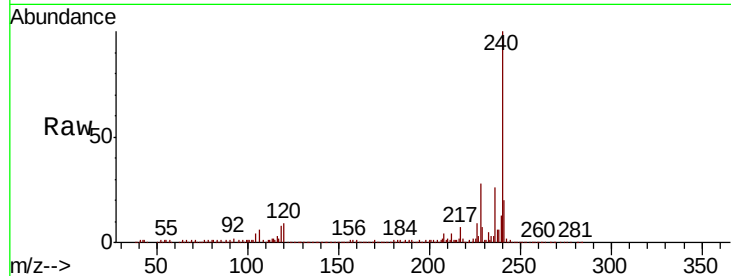
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.54 min Scan# 3140
Delta R.T. -0.00 min
Lab File: BG046656.D
Acq: 17 Sep 2020 1:23

Instrument :
BNA_G
ClientSampleId :
PAV-B40-091420-10-15DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.6	6.2	9.4
236	25.9	20.5	30.7

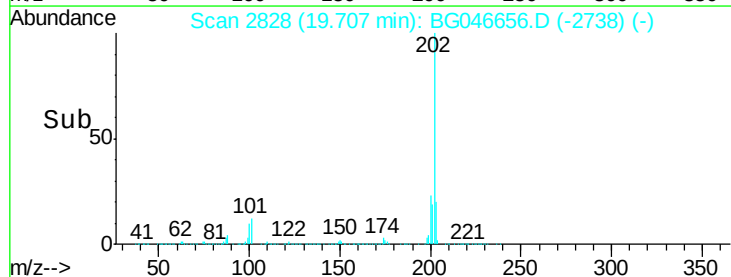
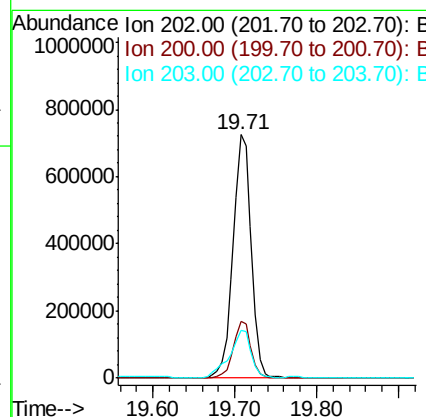
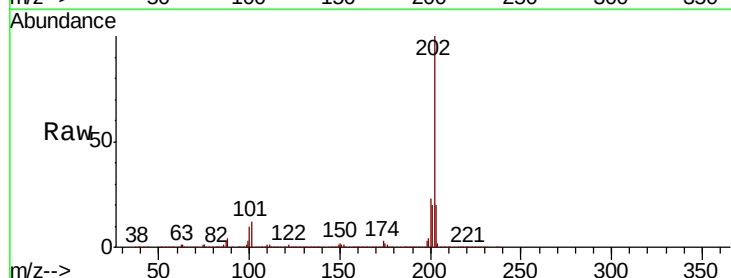
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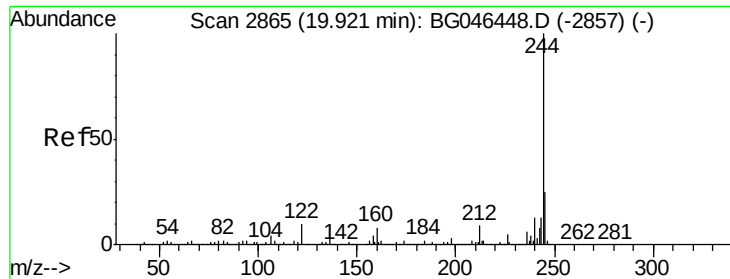
mohammad
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#78
Pyrene
Concen: 38.470 ng
RT: 19.71 min Scan# 2828
Delta R.T. -0.00 min
Lab File: BG046656.D
Acq: 17 Sep 2020 1:23

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.3	18.6	27.8
203	19.8	15.3	22.9





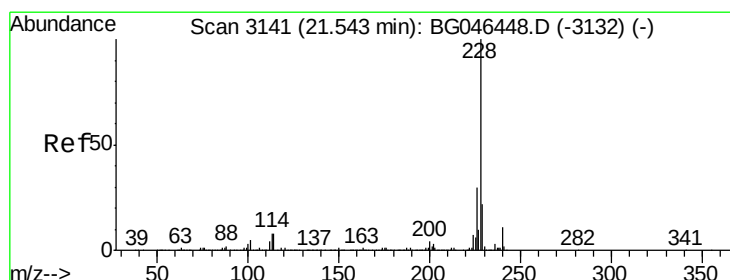
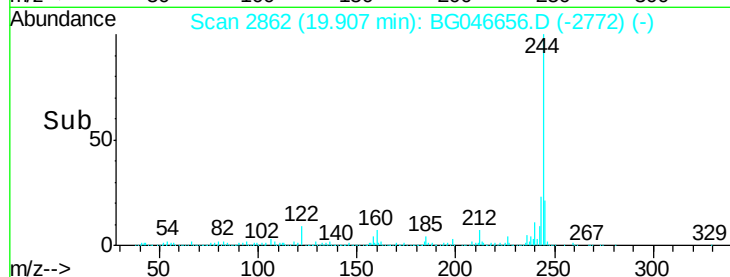
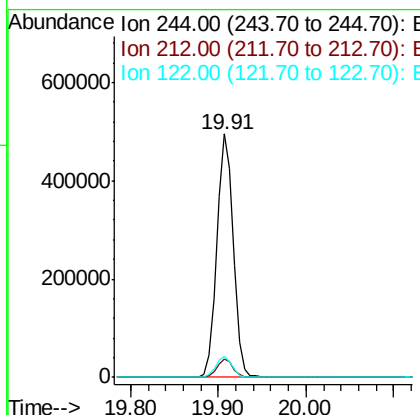
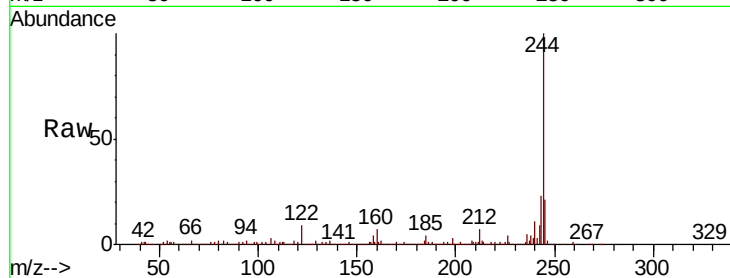
#79
 Terphenyl-d14
 Concen: 30.076 ng
 RT: 19.91 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: BG046656.D
 Acq: 17 Sep 2020 1:23

Instrument :
 BNA_G
 ClientSampleId :
 PAV-B40-091420-10-15DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.7	10.1
122	8.7	7.8	11.6

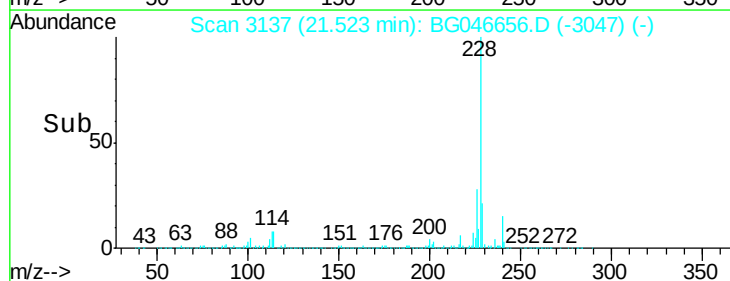
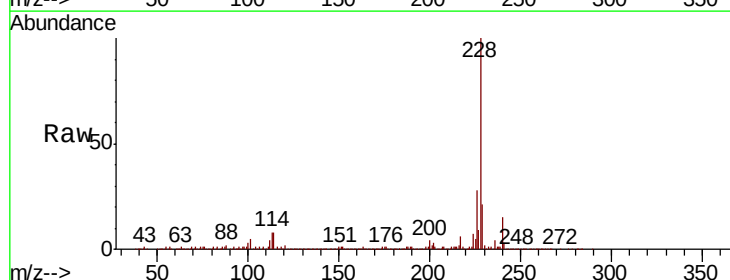
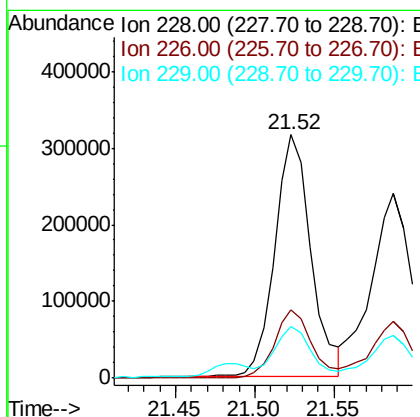
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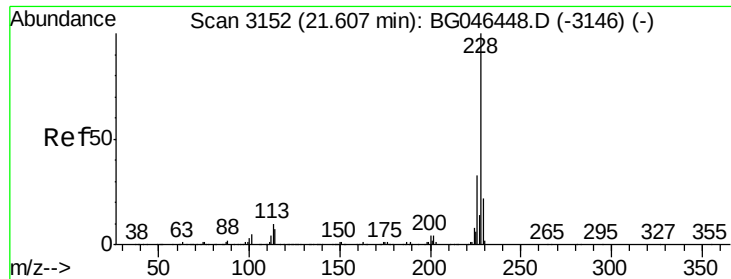
mohammad
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#81
 Benzo(a)anthracene
 Concen: 17.569 ng
 RT: 21.52 min Scan# 3137
 Delta R.T. -0.00 min
 Lab File: BG046656.D
 Acq: 17 Sep 2020 1:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	23.3	34.9
229	21.0	17.4	26.0





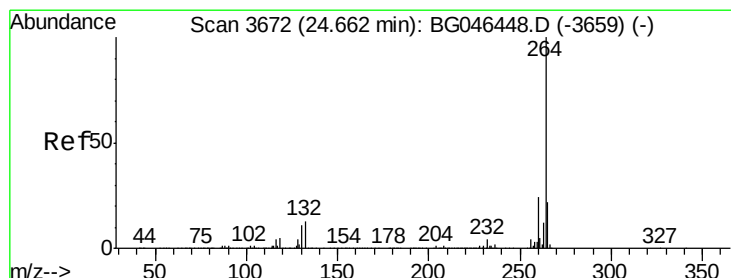
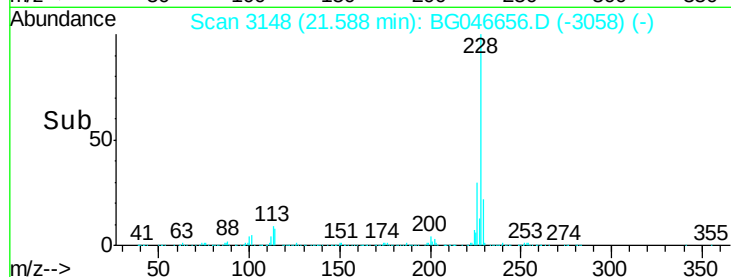
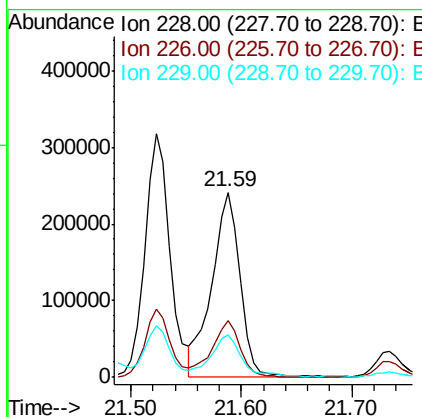
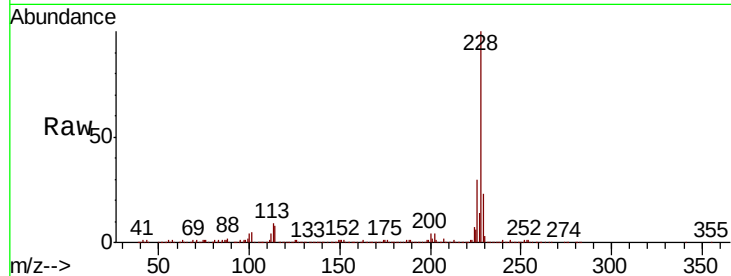
#83
Chrysene
Concen: 15.382 ng
RT: 21.59 min Scan# 3148
Delta R.T. -0.00 min
Lab File: BG046656.D
Acq: 17 Sep 2020 1:23

Instrument :
BNA_G
ClientSampleId :
PAV-B40-091420-10-15DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		422419		
226	30.5	25.0		37.4	
229	22.8	17.3		25.9	

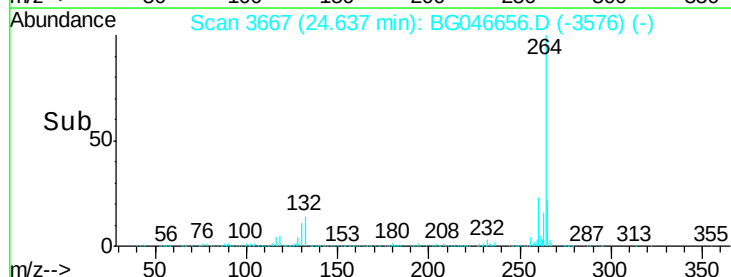
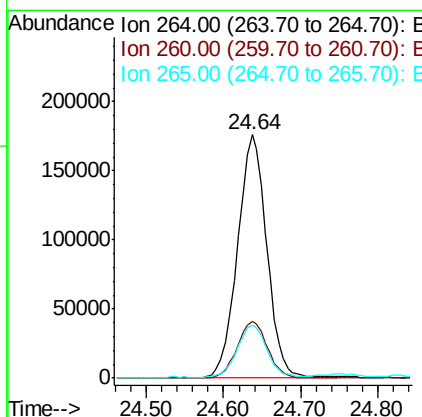
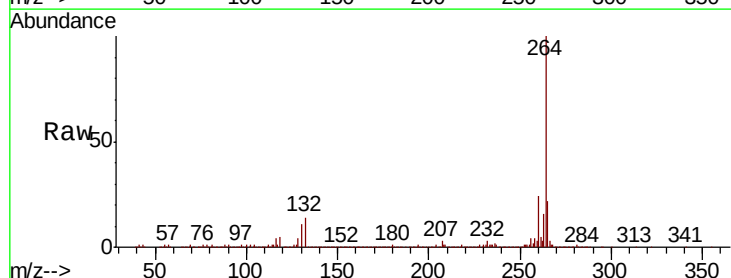
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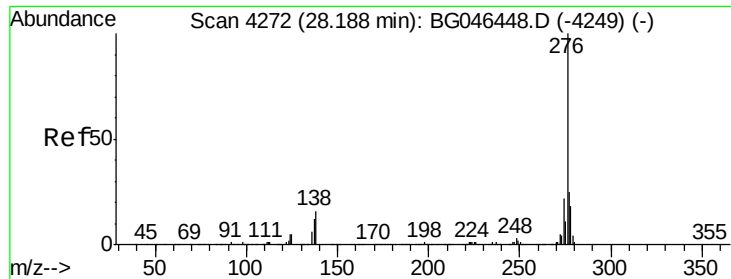
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 24.64 min Scan# 3667
Delta R.T. 0.00 min
Lab File: BG046656.D
Acq: 17 Sep 2020 1:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
264	100		468131		
260	23.5	18.8		28.2	
265	21.7	17.8		26.8	





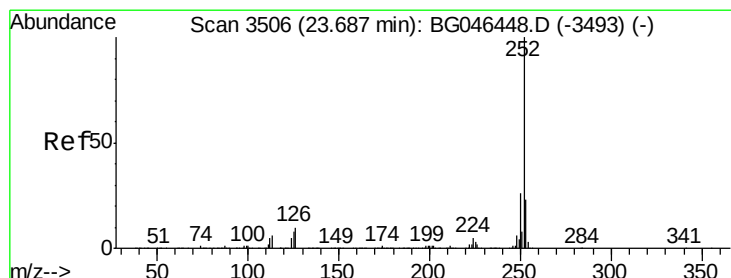
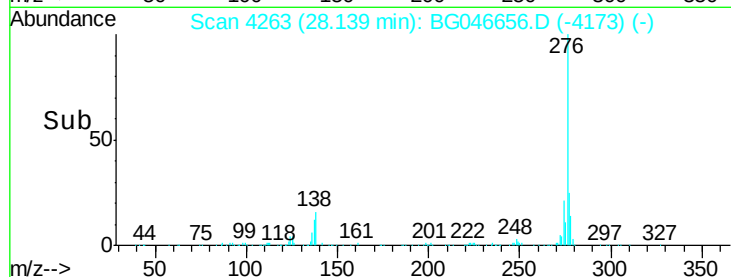
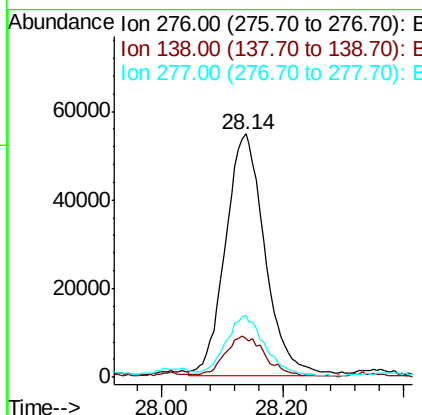
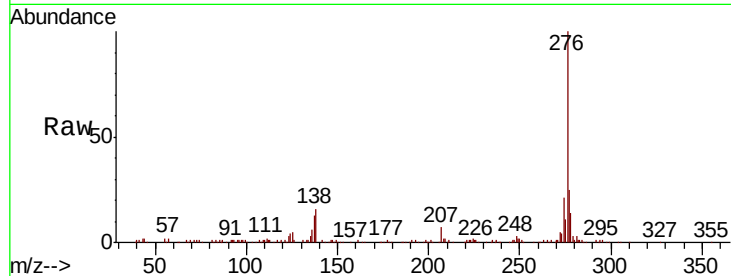
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.348 ng
 RT: 28.14 min Scan# 4263
 Delta R.T. -0.00 min
 Lab File: BG046656.D
 Acq: 17 Sep 2020 1:23

Instrument :
 BNA_G
 ClientSampleId :
 PAV-B40-091420-10-15DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.4	16.2	24.2
277	24.1	20.3	30.5

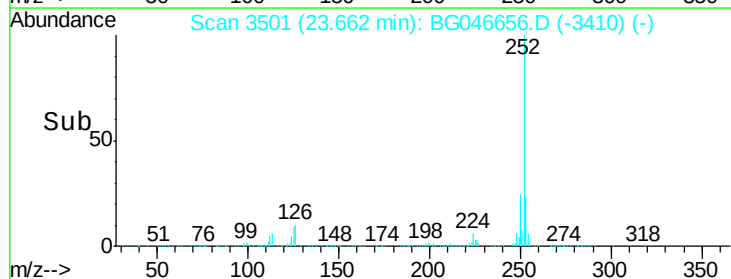
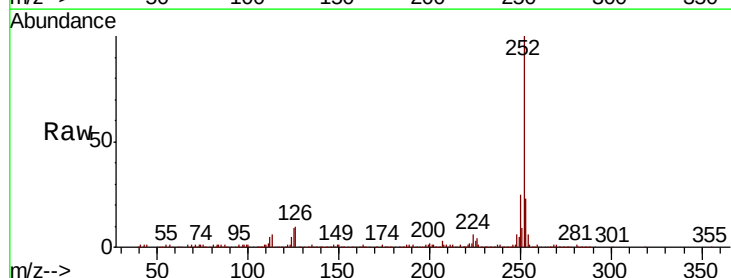
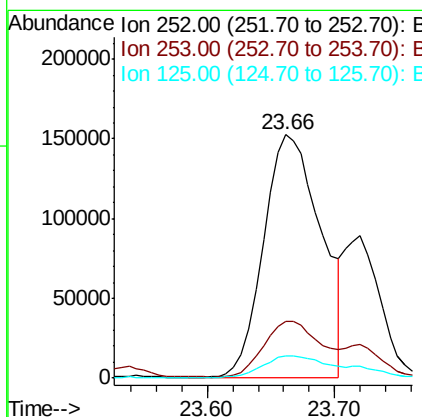
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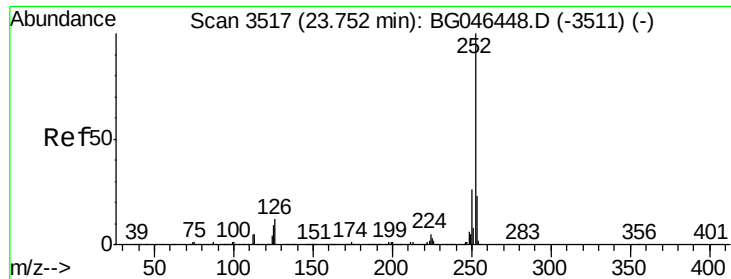
mohammad
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#88
 Benzo(b)fluoranthene
 Concen: 16.424 ng
 RT: 23.66 min Scan# 3501
 Delta R.T. 0.00 min
 Lab File: BG046656.D
 Acq: 17 Sep 2020 1:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.7	28.1
125	9.2	6.5	9.7





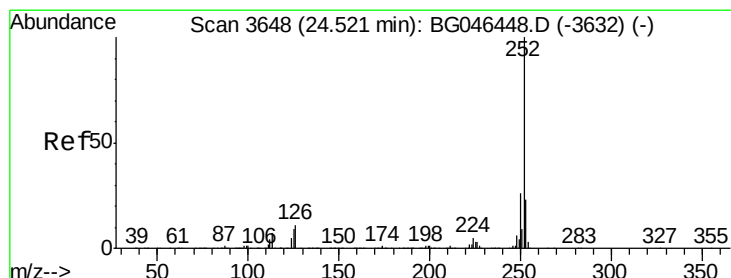
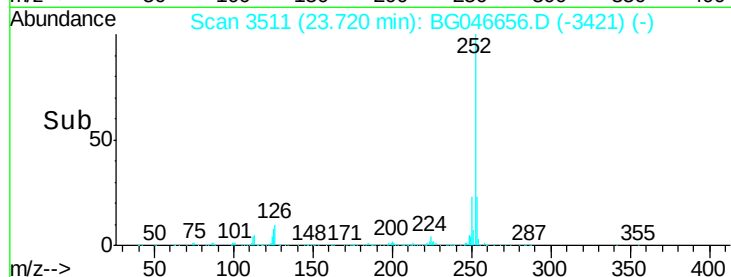
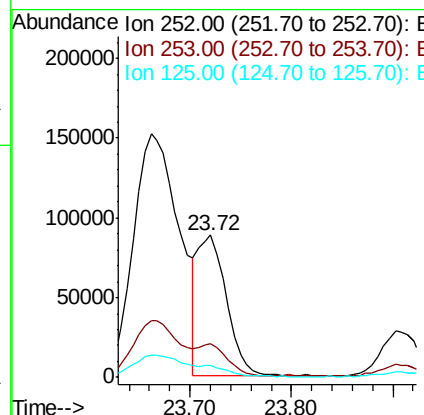
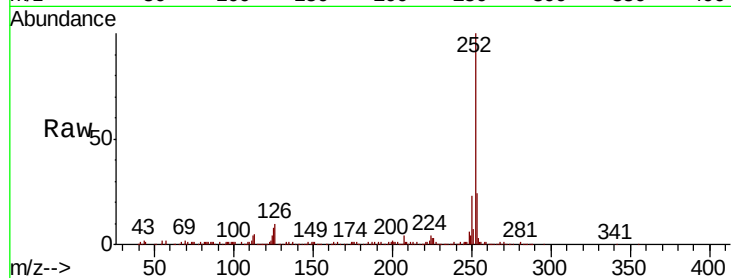
#89
Benzo(k)fluoranthene
Concen: 6.078 ng m
RT: 23.72 min Scan# 3511
Delta R.T. -0.00 min
Lab File: BG046656.D
Acq: 17 Sep 2020 1:23

Instrument :
BNA_G
ClientSampleId :
PAV-B40-091420-10-15DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.6	27.8
125	8.2	6.8	10.2

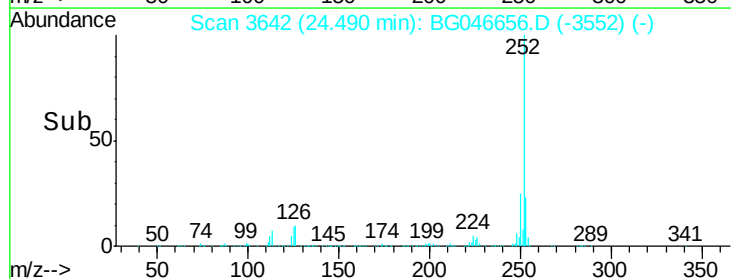
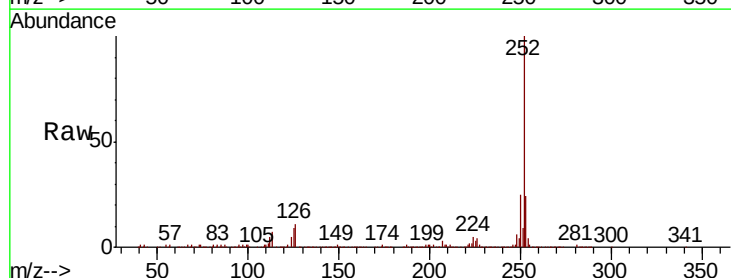
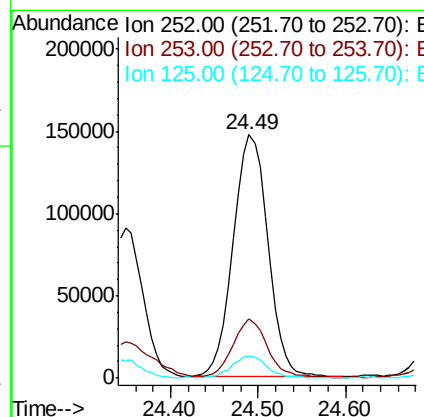
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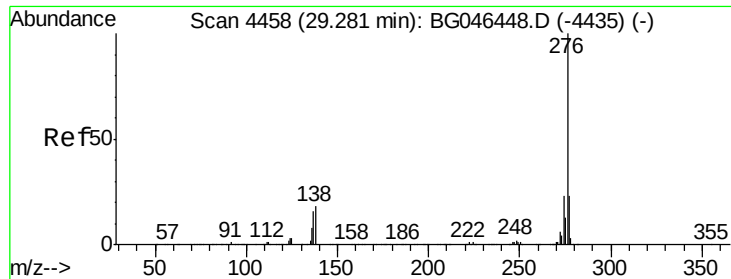
mohammad
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#90
Benzo(a)pyrene
Concen: 14.483 ng
RT: 24.49 min Scan# 3642
Delta R.T. -0.00 min
Lab File: BG046656.D
Acq: 17 Sep 2020 1:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	9.3	7.0	10.4





#92
 Benzo(a,h,i)perylene
 Concen: 8.548 ng
 RT: 29.23 min Scan# 4448
 Delta R.T. -0.00 min
 Lab File: BG046656.D
 Acq: 17 Sep 2020 1:23

Instrument :
 BNA_G
 ClientSampleId :
 PAV-B40-091420-10-15DL

Tot Ion:	276	Resp:	231593
Ion Ratio	Lower	Upper	
276	100		
277	23.9	19.6	29.4
138	16.2	13.4	20.2

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mohammad
 9/18/2020 11:27:39 AM

