

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110519\
 Data File : BG043509.D
 Acq On : 5 Nov 2019 15:54
 Operator : JU
 Sample : K5497-07DL 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 168-74-(0-1)DL

Manual Integrations
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mohammad
 11/6/2019 8:41:10 AM

Quant Time: Nov 06 02:19:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	43805	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	161406	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	119636	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	283952	20.00	ng	0.00
76) Chrysene-d12	21.66	240	315448	20.00	ng	0.00
87) Perylene-d12	24.86	264	375838	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	105549	44.15	ng	0.00
7) Phenol-d6	7.19	99	146557	42.61	ng	0.00
23) Nitrobenzene-d5	9.18	82	87604	27.98	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	89447	39.29	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	200331	23.14	ng	0.00
79) Terphenyl-d14	19.99	244	376218	22.37	ng	0.00
Target Compounds						
49) Acenaphthylene	14.37	152	24783	2.300	ng	Qvalue # 94
50) Dimethylphthalate	14.09	163	26508	2.861	ng	100
71) Phenanthrene	17.43	178	398128	27.381	ng	100
72) Anthracene	17.52	178	121283	8.337	ng	99
75) Fluoranthene	19.44	202	1220514	64.386	ng	97
78) Pyrene	19.81	202	1070087	54.804	ng	98
81) Benzo(a)anthracene	21.64	228	702155	35.535	ng	99
83) Chrysene	21.70	228	573898	29.232	ng	97
86) Indeno(1,2,3-cd)pyrene	28.50	276	330527	13.412	ng	# 96
88) Benzo(b)fluoranthene	23.84	252	736583	34.604	ng	98
89) Benzo(k)fluoranthene	23.90	252	285371m	13.317	ng	
90) Benzo(a)pyrene	24.71	252	553796	27.245	ng	97
91) Dibenzo(a,h)anthracene	28.53	278	98464m	4.736	ng	
92) Benzo(a,h,i)perylene	29.62	276	293667	14.319	ng	99

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

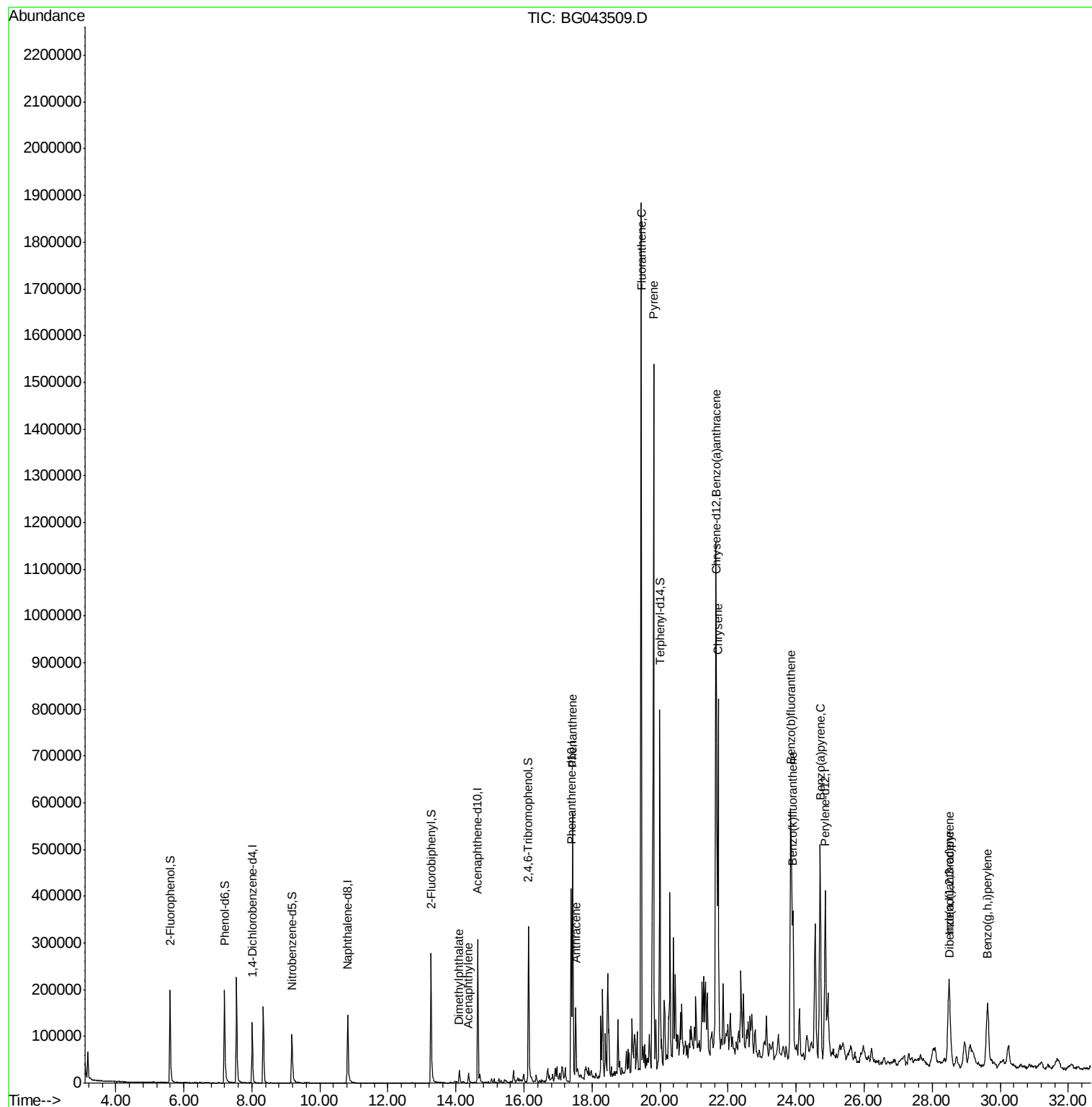
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110519\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

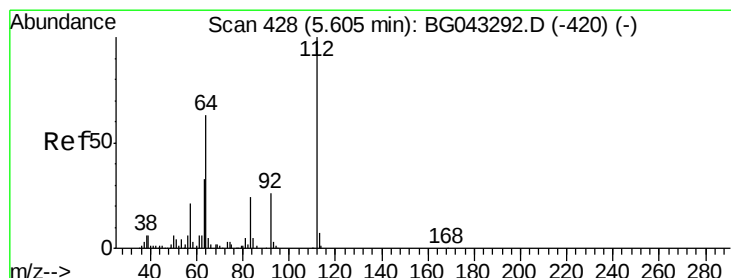
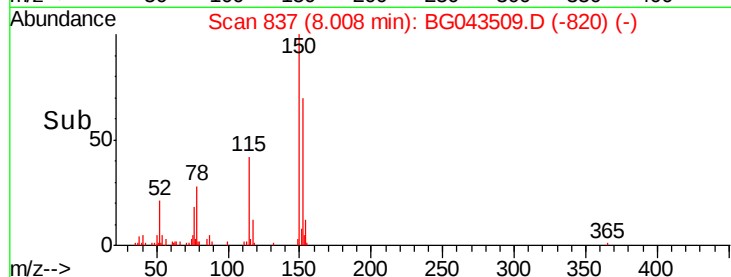
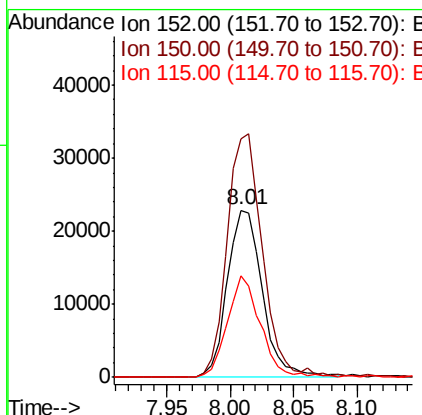
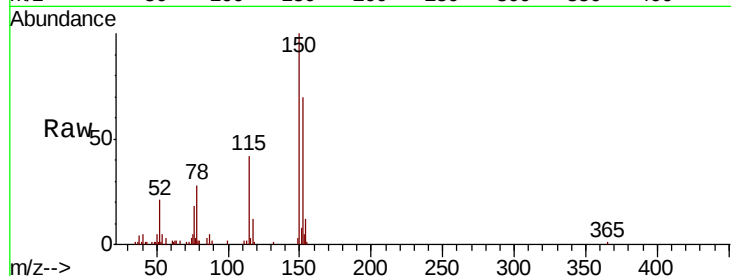
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG043509.D
Acq: 5 Nov 2019 15:54

Instrument :
BNA_G
ClientSampleId :
168-74-(0-1)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	142.8	129.4	194.0
115	60.7	48.8	73.2

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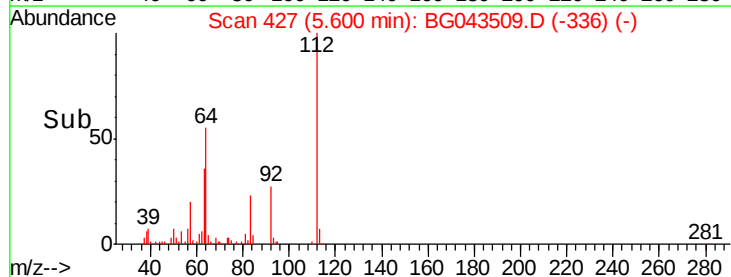
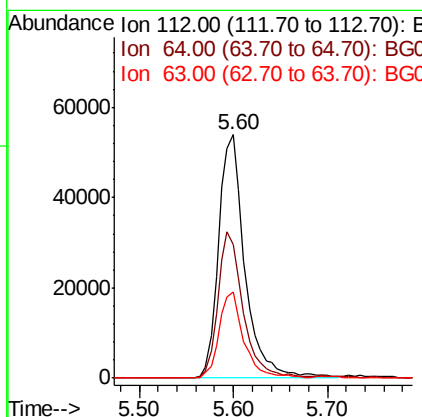
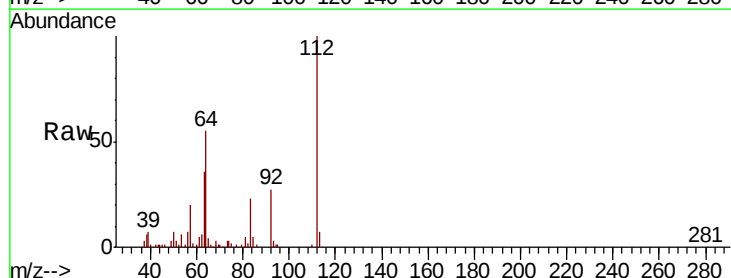
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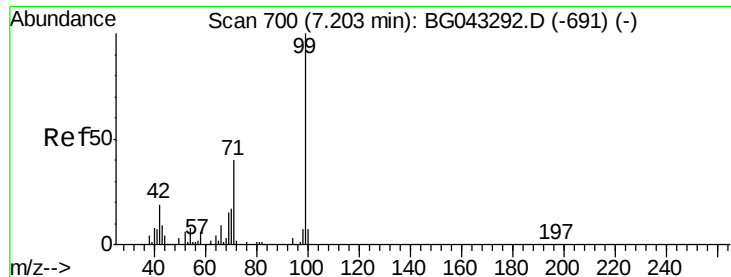


#5

2-Fluorophenol
Concen: 44.153 ng
RT: 5.60 min Scan# 427
Delta R.T. 0.01 min
Lab File: BG043509.D
Acq: 5 Nov 2019 15:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	50.0	75.0
63	35.5	26.6	40.0





#7

Phenol-d6

Concen: 42.611 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG043509.D

Acq: 5 Nov 2019 15:54

Instrument :

BNA_G

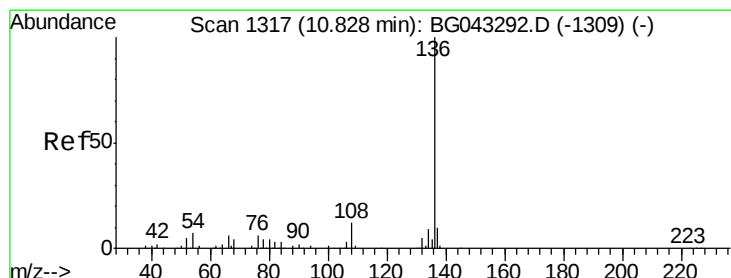
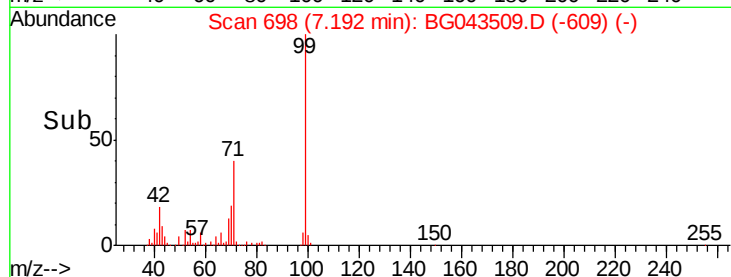
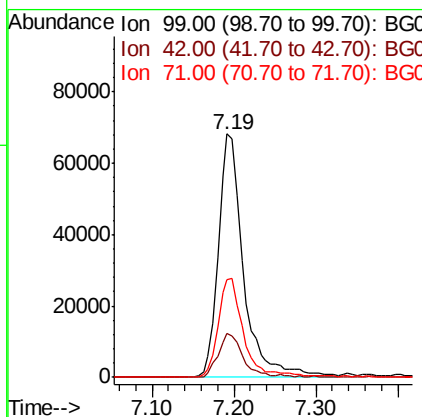
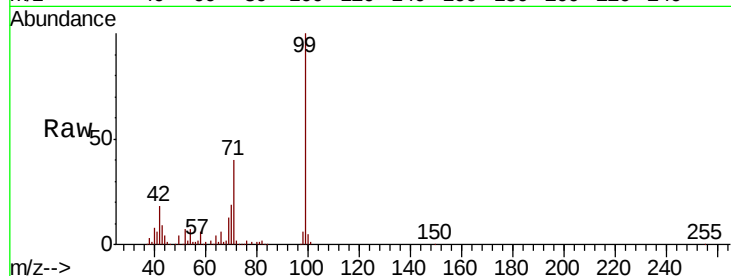
ClientSampleId :

168-74-(0-1)DL

Tot Ion:	99	Resp:	146557
Ion	Ratio	Lower	Upper
99	100		
42	18.2	14.6	21.8
71	40.3	32.5	48.7

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#21

Naphthalene-d8

Concen: 20.000 ng

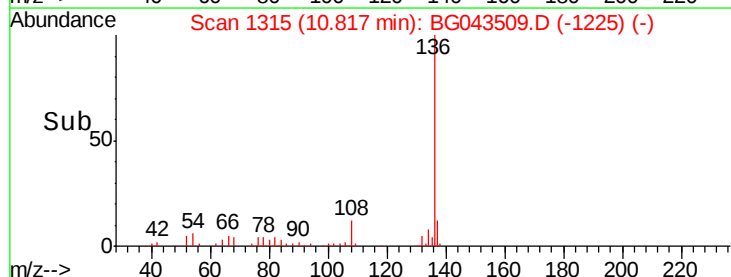
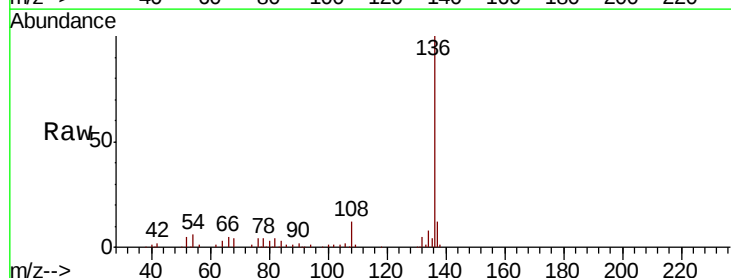
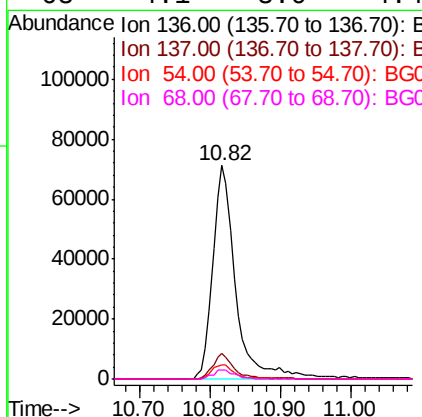
RT: 10.82 min Scan# 1315

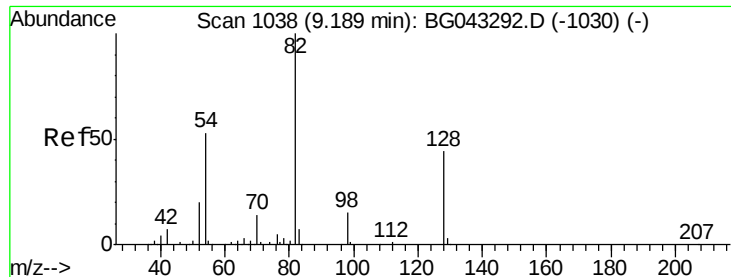
Delta R.T. 0.00 min

Lab File: BG043509.D

Acq: 5 Nov 2019 15:54

Tgt Ion:	136	Resp:	161406
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.7	13.1
54	6.5	5.4	8.2
68	4.1	3.0	4.4





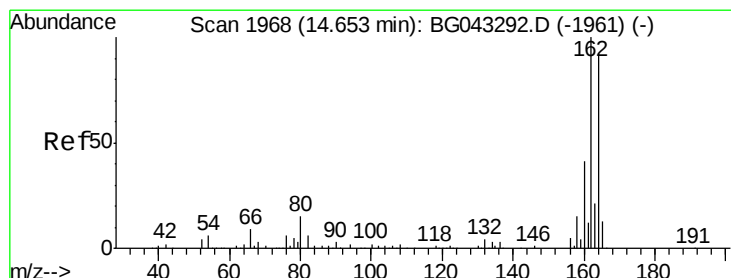
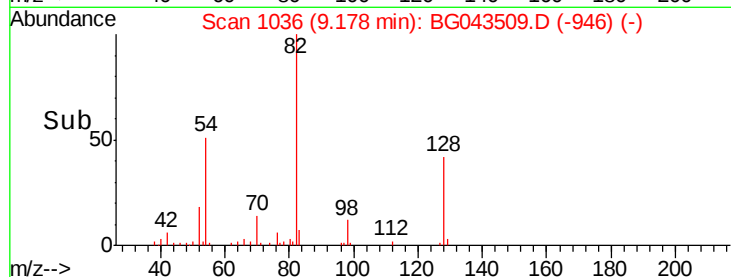
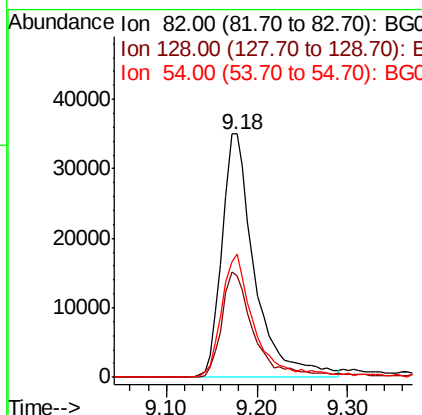
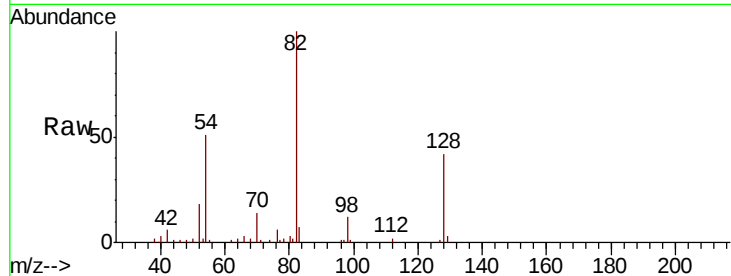
#23
Nitrobenzene-d5
Concen: 27.982 ng
RT: 9.18 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BG043509.D
Acq: 5 Nov 2019 15:54

Instrument :
BNA_G
ClientSampleId :
168-74-(0-1)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.7	35.0	52.6
54	50.6	40.2	60.2

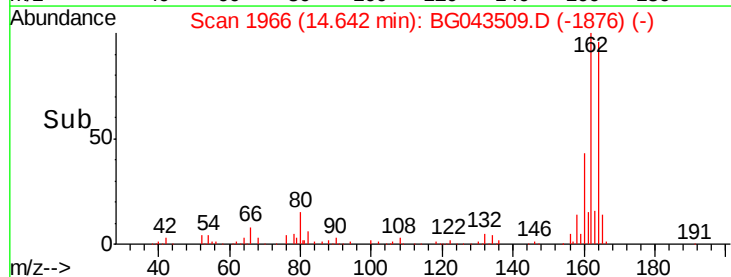
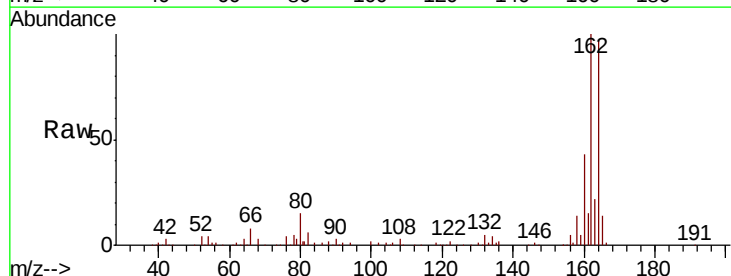
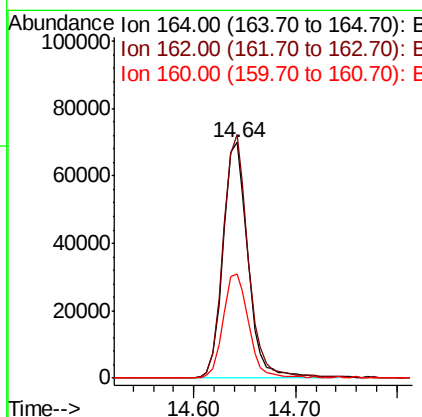
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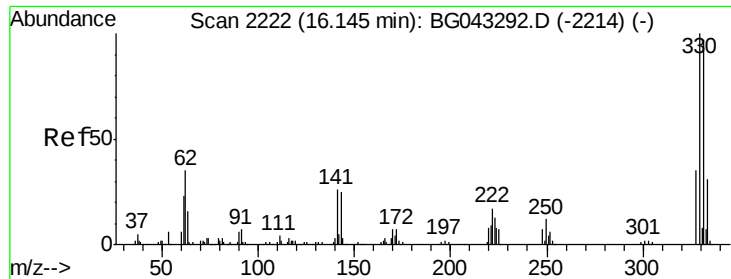
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.64 min Scan# 1966
Delta R.T. 0.00 min
Lab File: BG043509.D
Acq: 5 Nov 2019 15:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	83.5	125.3
160	44.0	36.5	54.7





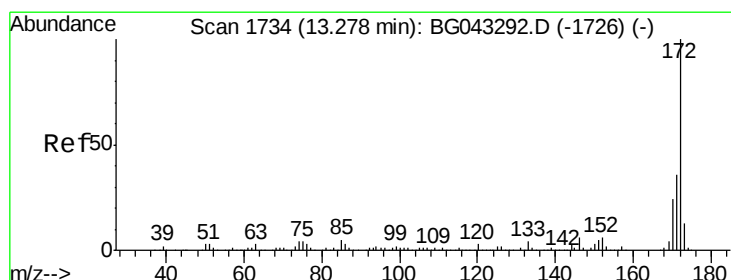
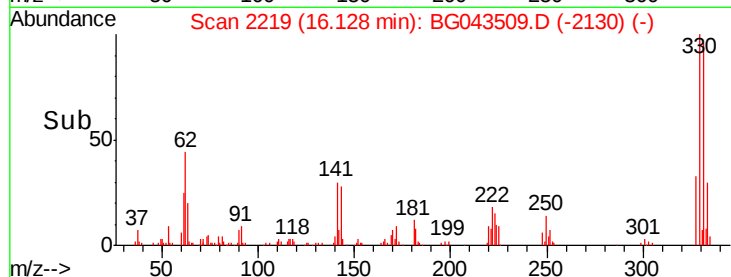
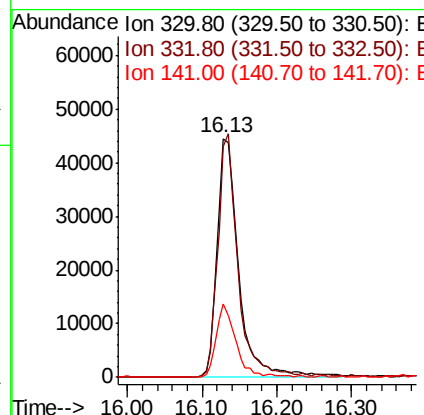
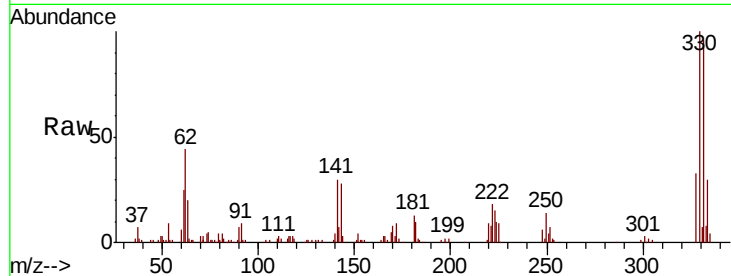
#42
 2,4,6-Tribromophenol
 Concen: 39.288 ng
 RT: 16.13 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: BG043509.D
 Acq: 5 Nov 2019 15:54

Instrument :
 BNA_G
 ClientSampleId :
 168-74-(0-1)DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.8	77.4	116.0
141	27.9	22.8	34.2

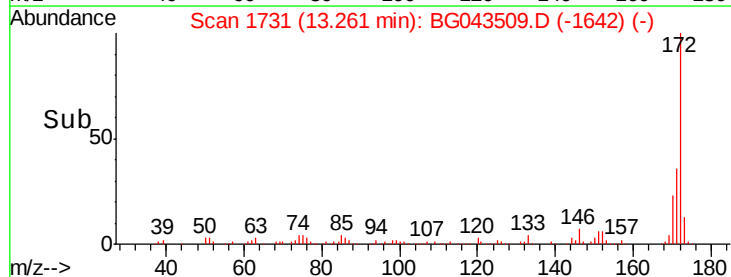
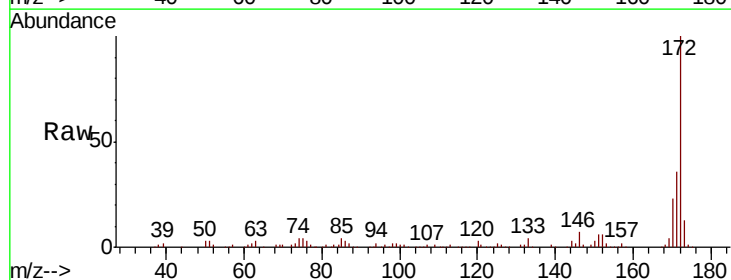
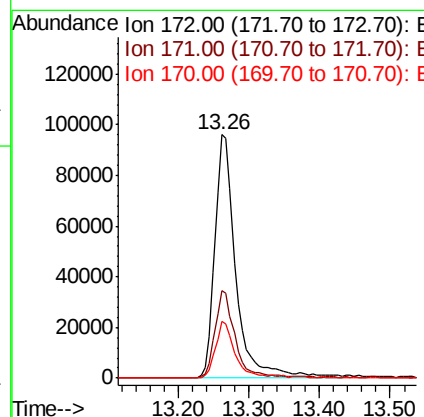
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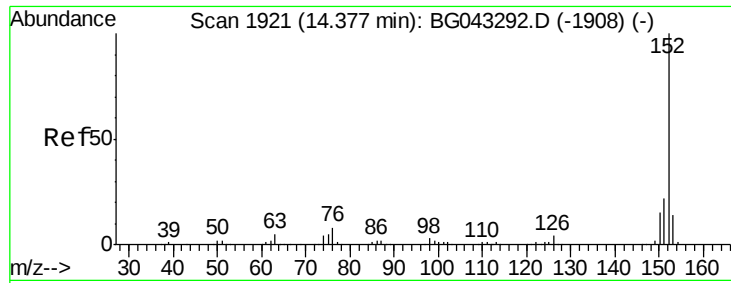
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#45
 2-Fluorobiphenyl
 Concen: 23.138 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: BG043509.D
 Acq: 5 Nov 2019 15:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.9	43.3
170	23.3	18.5	27.7





#49

Acenaphthylene

Concen: 2.300 ng

RT: 14.37 min Scan# 1919

Delta R.T. 0.00 min

Lab File: BG043509.D

Acq: 5 Nov 2019 15:54

Instrument :

BNA_G

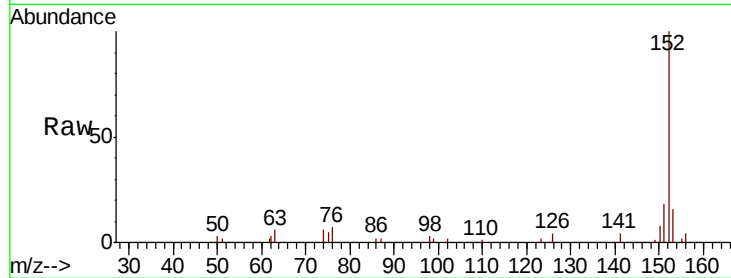
ClientSampleId :

168-74-(0-1)DL

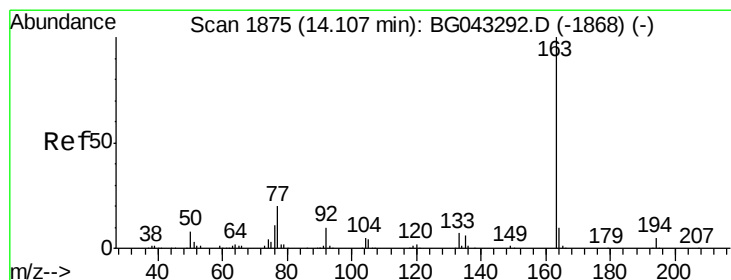
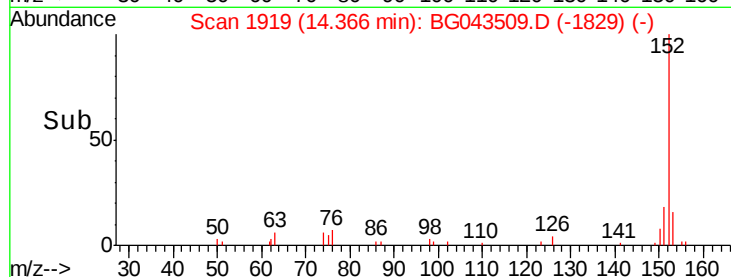
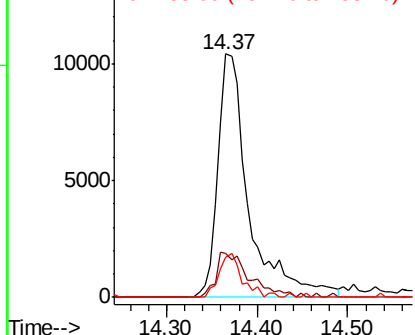
Tot Ion:	152	Resp:	24783
Ion Ratio	Lower	Upper	
152	100		
151	18.1	16.2	24.4
153	16.4	10.6	15.8

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 2.861 ng

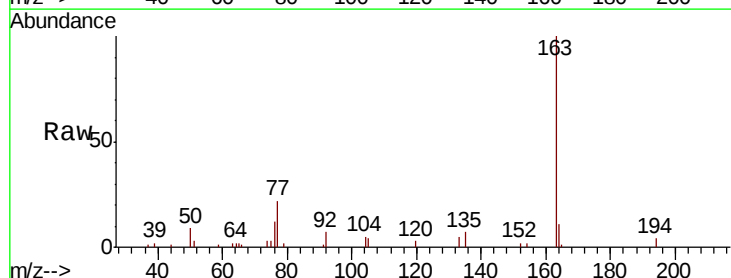
RT: 14.09 min Scan# 1872

Delta R.T. -0.00 min

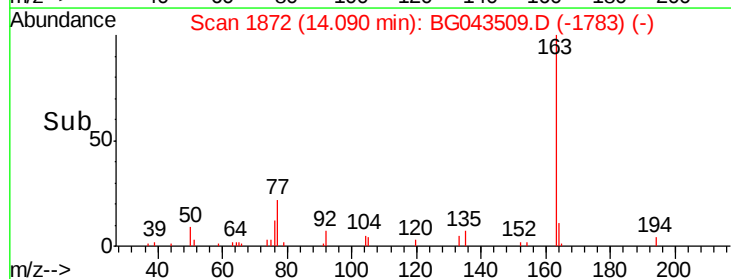
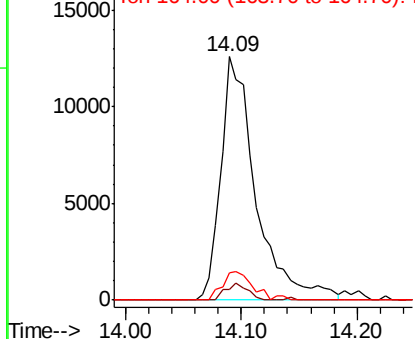
Lab File: BG043509.D

Acq: 5 Nov 2019 15:54

Tgt Ion:	163	Resp:	26508
Ion Ratio	Lower	Upper	
163	100		
194	4.4	3.8	5.6
164	11.2	8.9	13.3



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2433

Delta R.T. -0.00 min

Lab File: BG043509.D

Acq: 5 Nov 2019 15:54

Instrument :

BNA_G

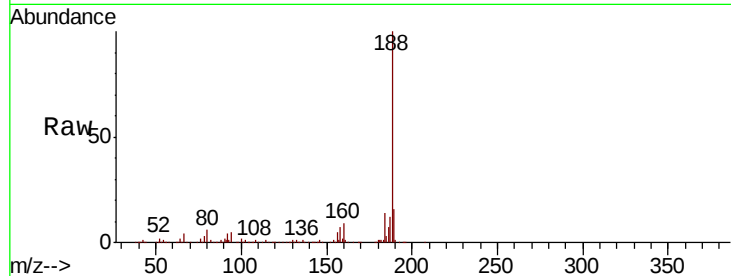
ClientSampleId :

168-74-(0-1)DL

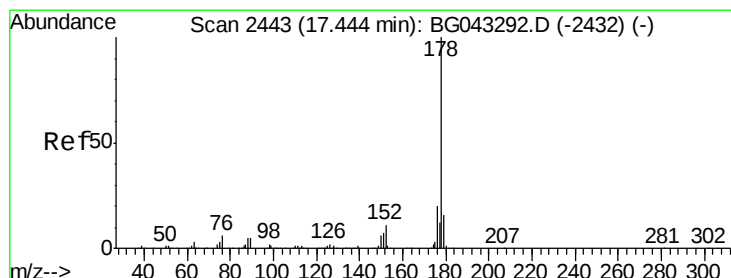
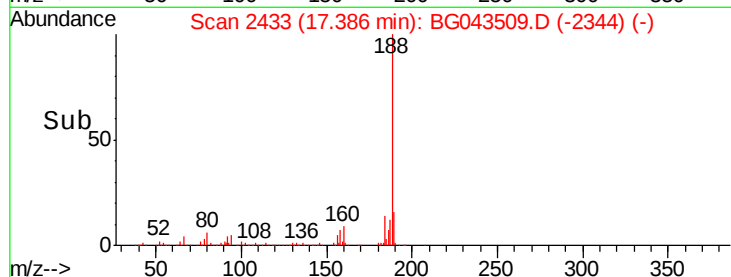
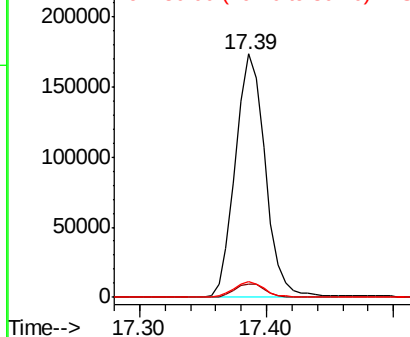
Tot Ion:	188	Resp:	283952
Ion Ratio	Lower	Upper	
188	100		
94	5.5	4.2	6.4
80	6.3	4.5	6.7

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



#71

Phenanthrene

Concen: 27.381 ng

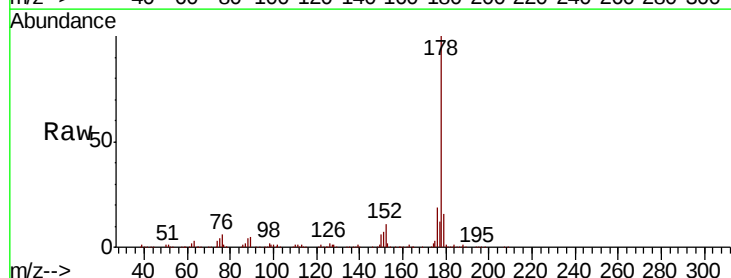
RT: 17.43 min Scan# 2440

Delta R.T. -0.00 min

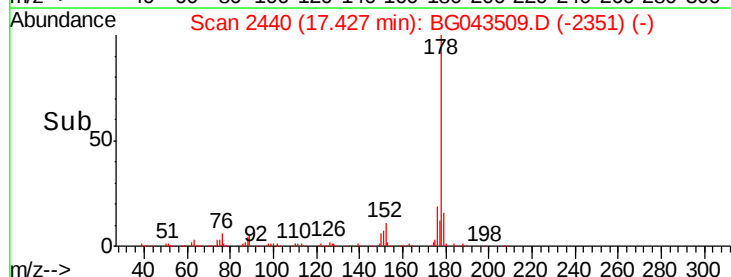
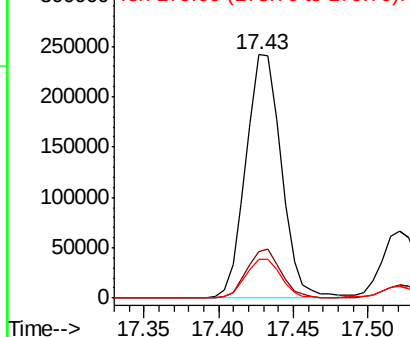
Lab File: BG043509.D

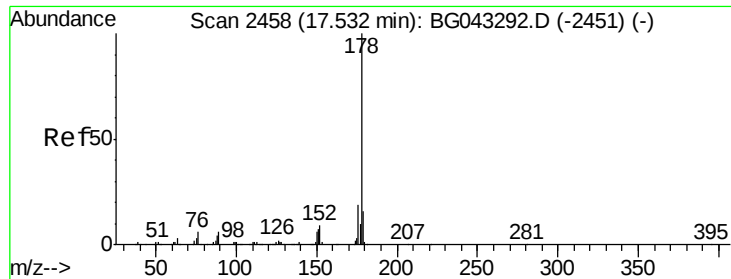
Acq: 5 Nov 2019 15:54

Tgt Ion:	178	Resp:	398128
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.4	23.0
179	16.2	13.0	19.6



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 8.337 ng

RT: 17.52 min Scan# 2456

Delta R.T. 0.00 min

Lab File: BG043509.D

Acq: 5 Nov 2019 15:54

Instrument :

BNA_G

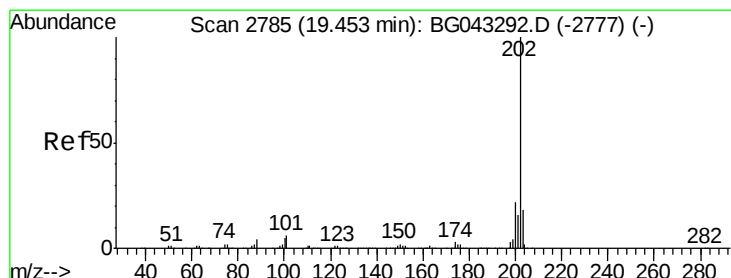
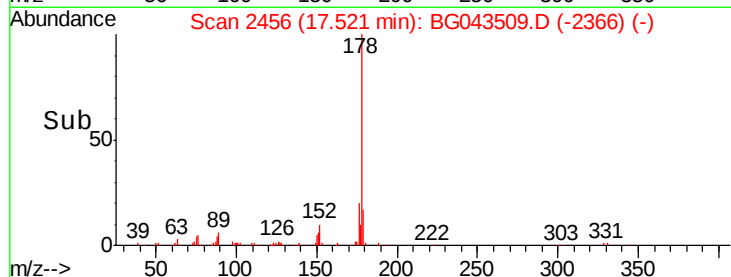
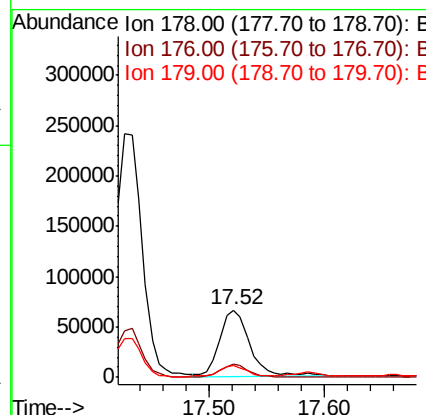
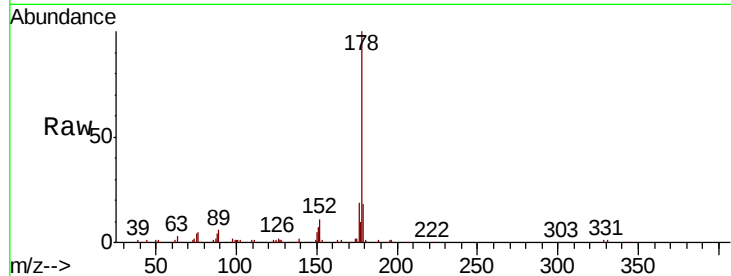
ClientSampleId :

168-74-(0-1)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	17.6	13.7	20.5

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#75

Fluoranthene

Concen: 64.386 ng

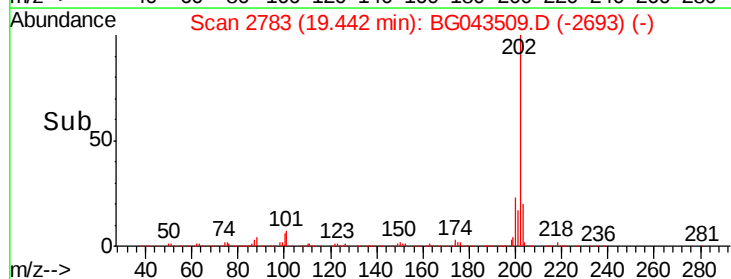
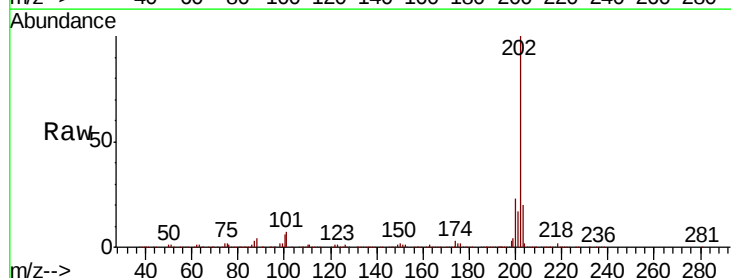
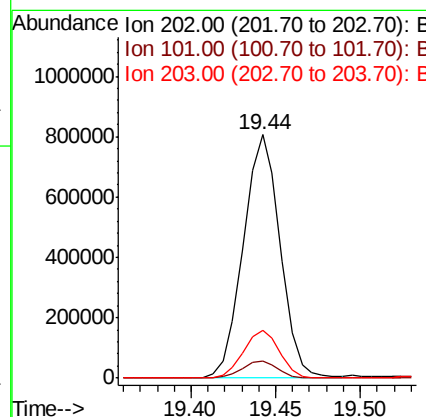
RT: 19.44 min Scan# 2783

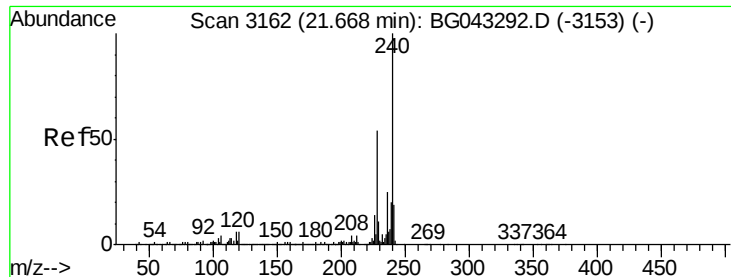
Delta R.T. 0.00 min

Lab File: BG043509.D

Acq: 5 Nov 2019 15:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.1	0.0	26.3
203	19.5	0.0	37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3160

Delta R.T. 0.00 min

Lab File: BG043509.D

Acq: 5 Nov 2019 15:54

Instrument :

BNA_G

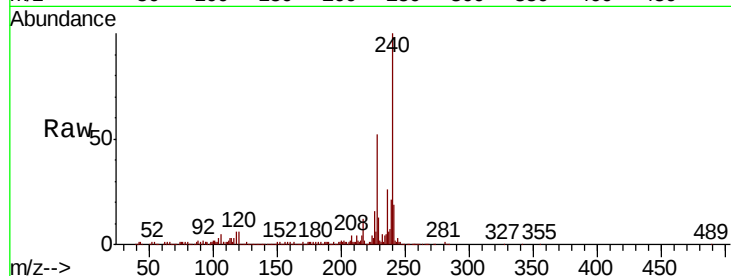
ClientSampleId :

168-74-(0-1)DL

Tot Ion:	240	Resp:	315448
Ion Ratio	Lower	Upper	
240	100		
120	6.1	4.6	6.8
236	25.7	19.8	29.8

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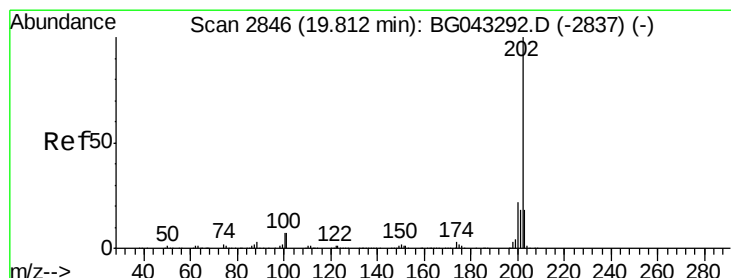
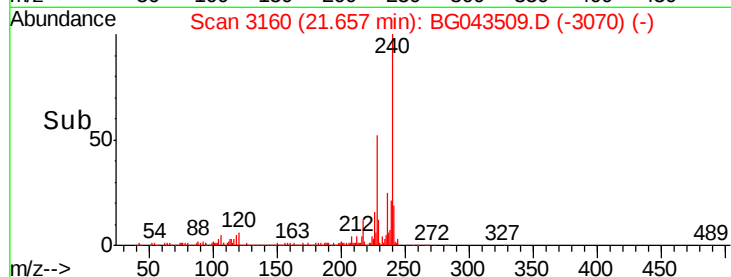
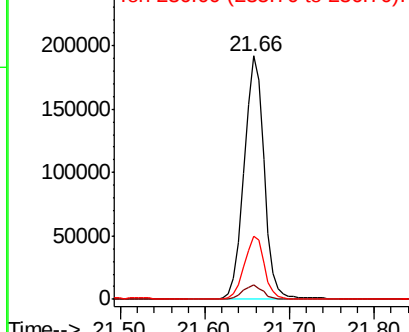


Abundance

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: 54.804 ng

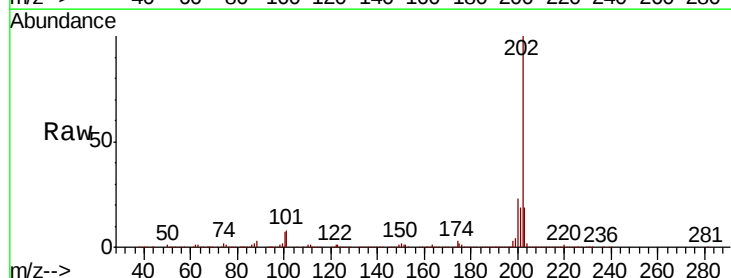
RT: 19.81 min Scan# 2845

Delta R.T. 0.01 min

Lab File: BG043509.D

Acq: 5 Nov 2019 15:54

Tgt Ion:	202	Resp:	1070087
Ion Ratio	Lower	Upper	
202	100		
200	22.5	17.0	25.4
203	19.2	14.7	22.1

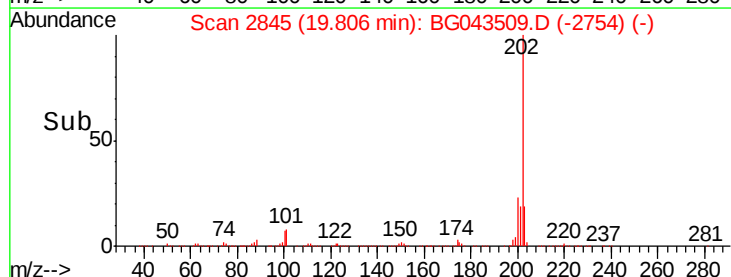
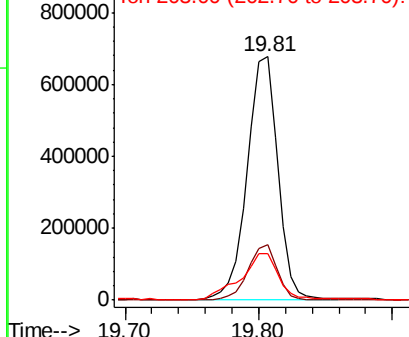


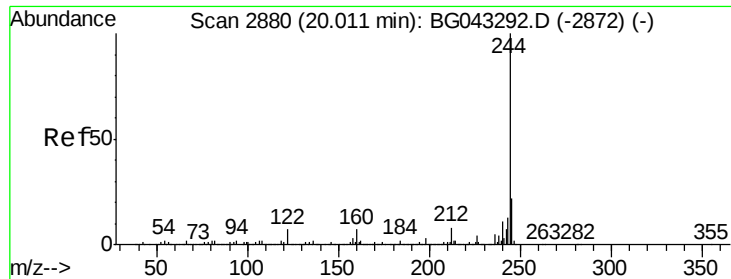
Abundance

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





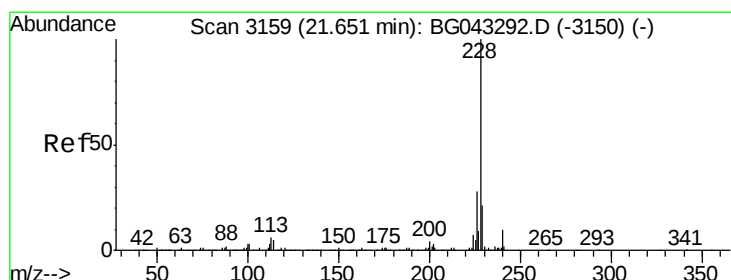
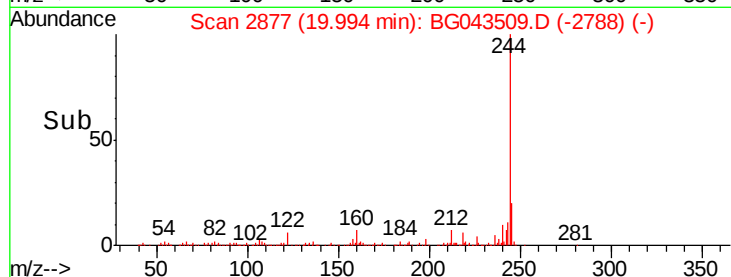
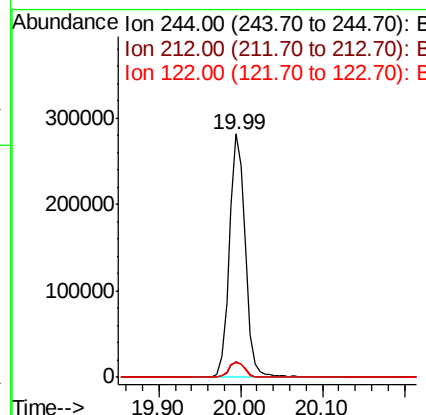
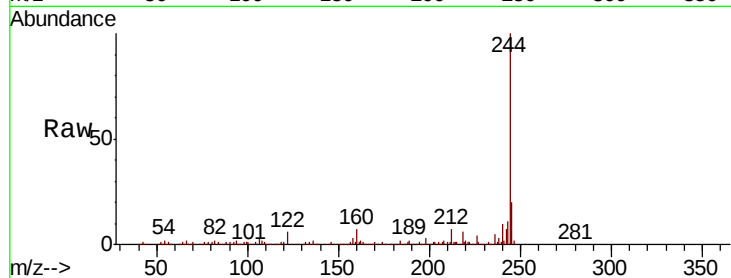
#79
 Terphenyl-d14
 Concen: 22.375 ng
 RT: 19.99 min Scan# 2877
 Delta R.T. -0.00 min
 Lab File: BG043509.D
 Acq: 5 Nov 2019 15:54

Instrument :
 BNA_G
 ClientSampleId :
 168-74-(0-1)DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.6
122	6.2	5.4	8.2

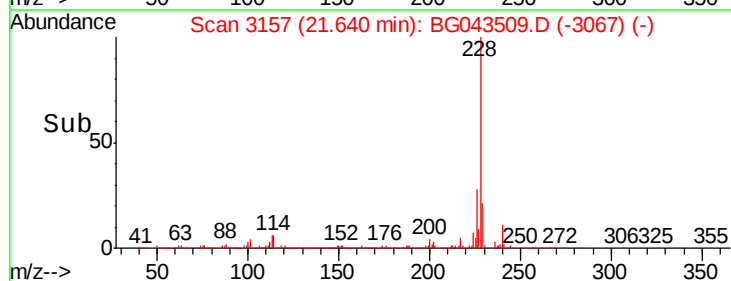
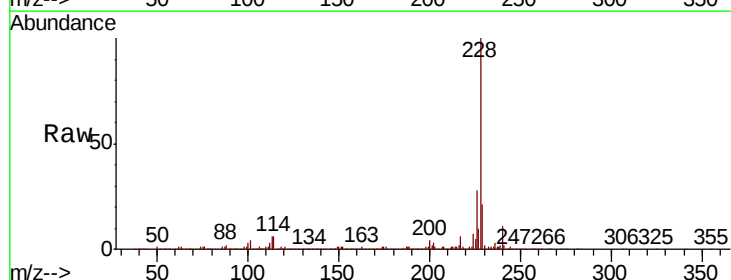
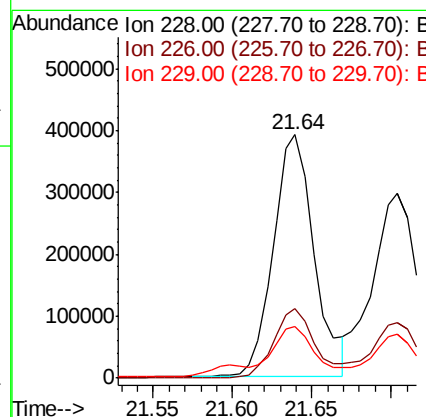
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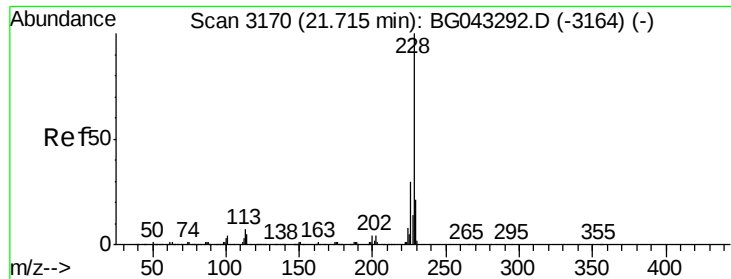
mohammad
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#81
 Benzo(a)anthracene
 Concen: 35.535 ng
 RT: 21.64 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: BG043509.D
 Acq: 5 Nov 2019 15:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.2	33.2
229	21.4	17.0	25.4





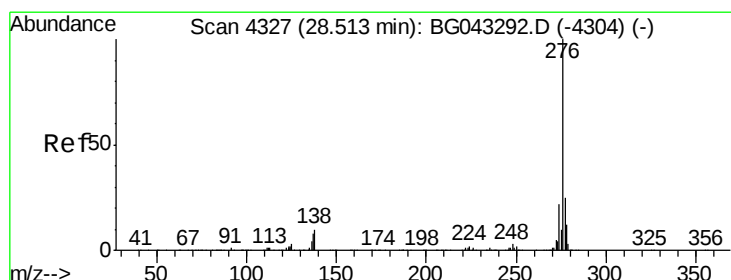
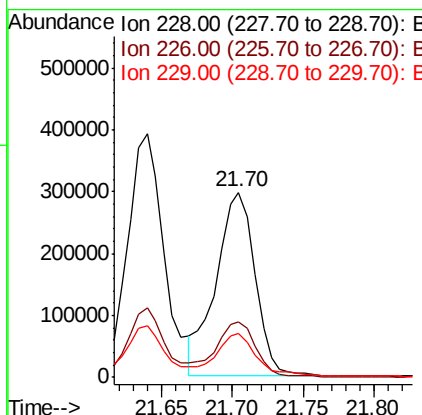
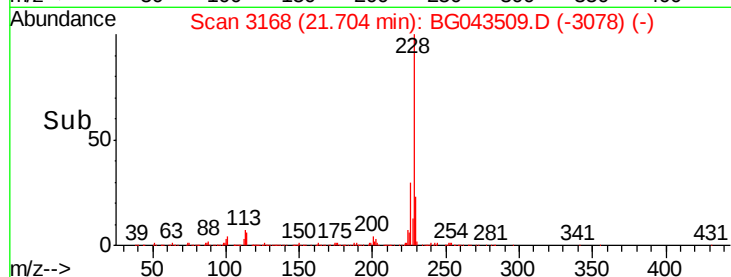
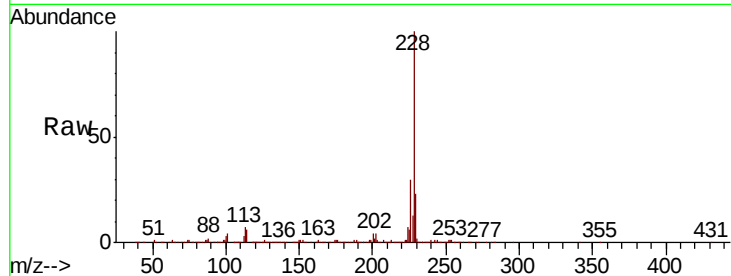
#83
Chrysene
Concen: 29.232 ng
RT: 21.70 min Scan# 3168
Delta R.T. 0.00 min
Lab File: BG043509.D
Acq: 5 Nov 2019 15:54

Instrument :
BNA_G
ClientSampleId :
168-74-(0-1)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.1	37.7
229	23.5	17.0	25.4

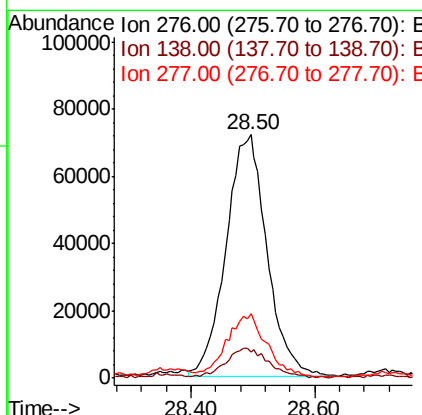
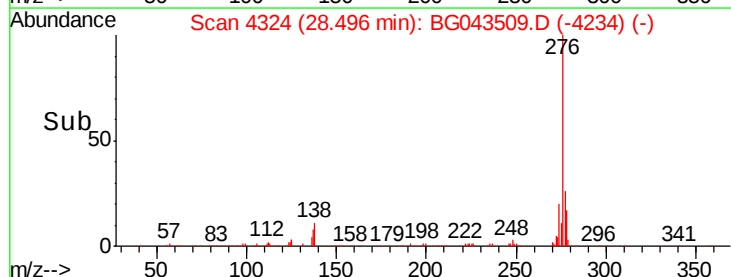
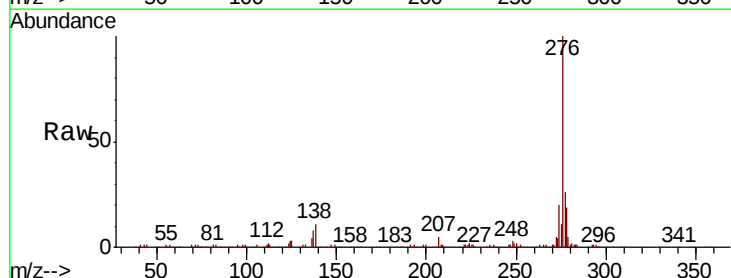
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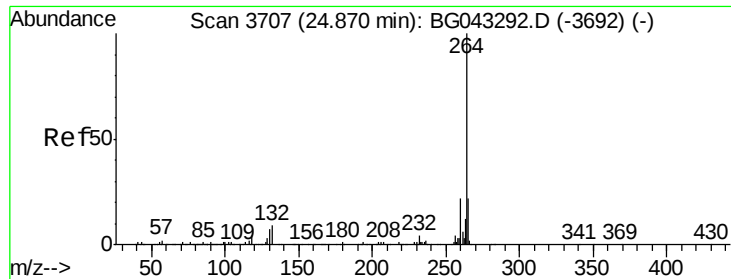
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#86
Indeno(1,2,3-cd)pyrene
Concen: 13.412 ng
RT: 28.50 min Scan# 4324
Delta R.T. 0.00 min
Lab File: BG043509.D
Acq: 5 Nov 2019 15:54

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.3	6.8	10.2#
277	25.6	20.9	31.3





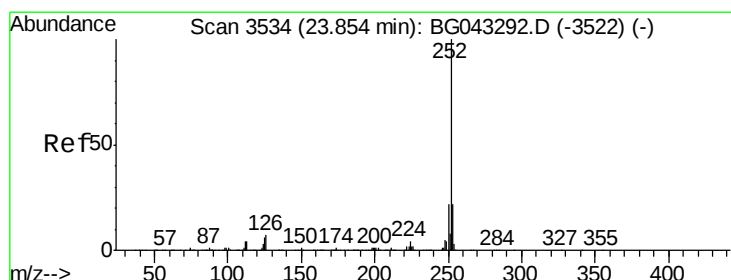
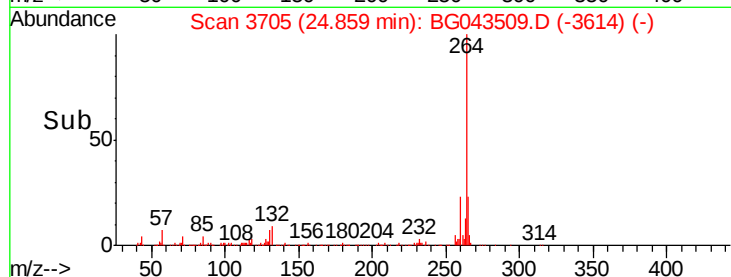
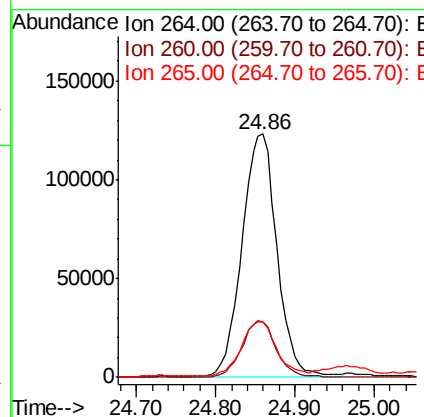
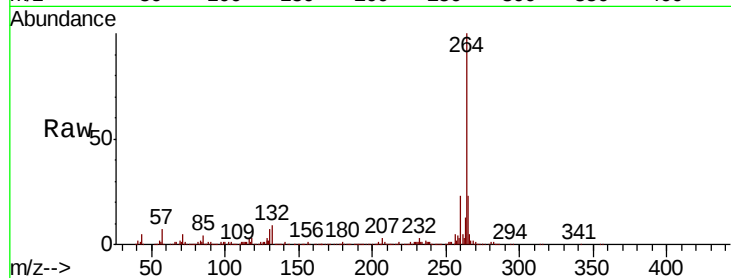
#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3705
Delta R.T. 0.01 min
Lab File: BG043509.D
Acq: 5 Nov 2019 15:54

Instrument :
BNA_G
ClientSampleId :
168-74-(0-1)DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.5	26.3
265	22.8	17.4	26.0

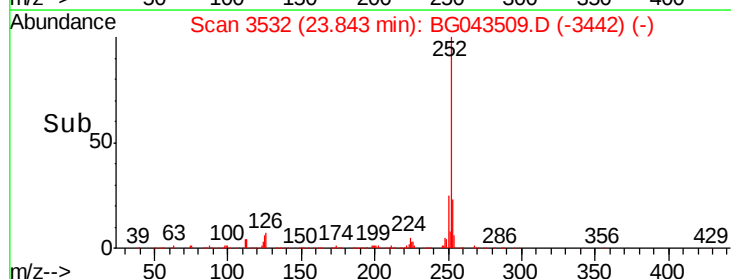
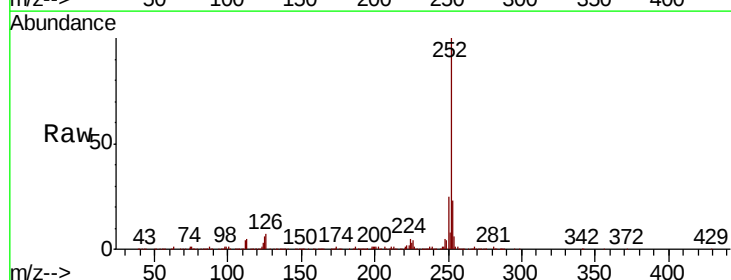
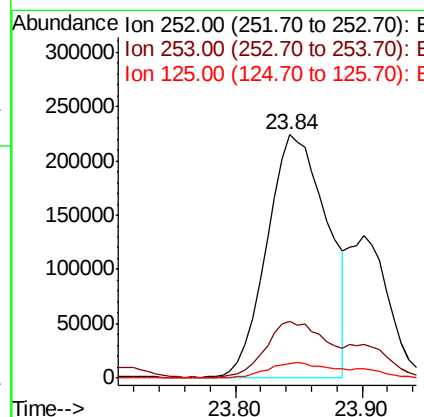
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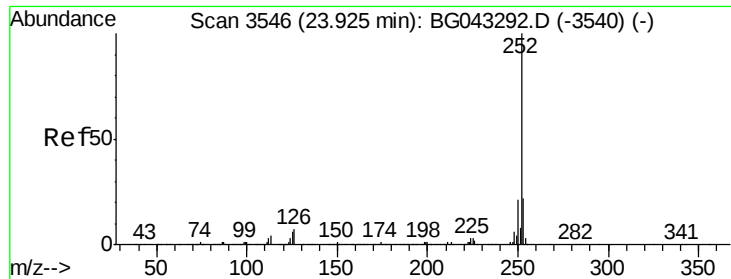
mohammad
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#88
Benzo(b)fluoranthene
Concen: 34.604 ng
RT: 23.84 min Scan# 3532
Delta R.T. 0.00 min
Lab File: BG043509.D
Acq: 5 Nov 2019 15:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.7	26.5
125	5.9	4.5	6.7





#89

Benzo(k)fluoranthene

Concen: 13.317 ng

RT: 23.90 min Scan# 3542

Delta R.T. -0.00 min

Lab File: BG043509.D

Acq: 5 Nov 2019 15:54

Instrument :

BNA_G

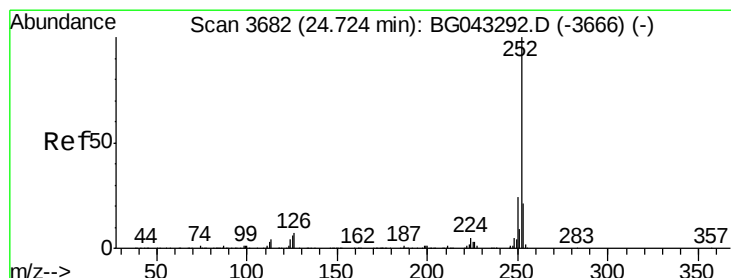
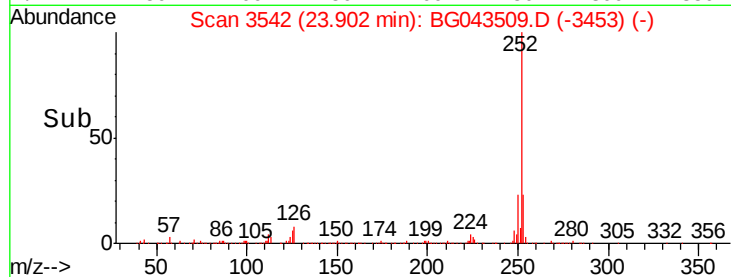
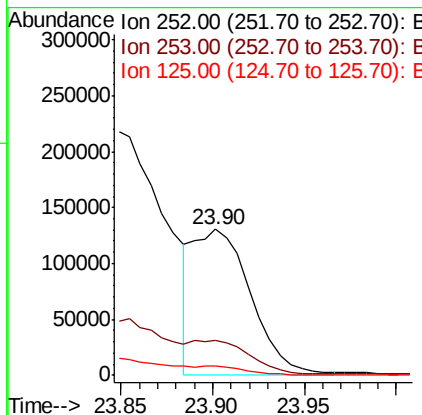
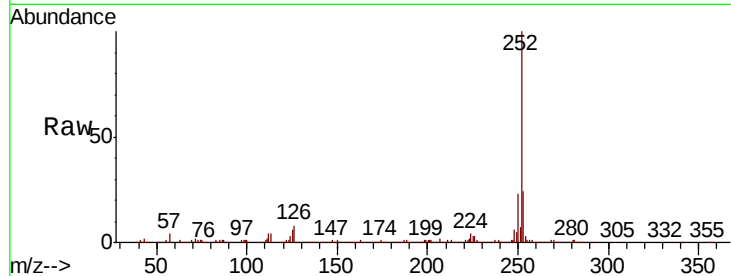
ClientSampleId :

168-74-(0-1)DL

Tot Ion:	252	Resp:	285371
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.3	25.9
125	6.2	4.6	6.8

Manual Integrations
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#90

Benzo(a)pyrene

Concen: 27.245 ng

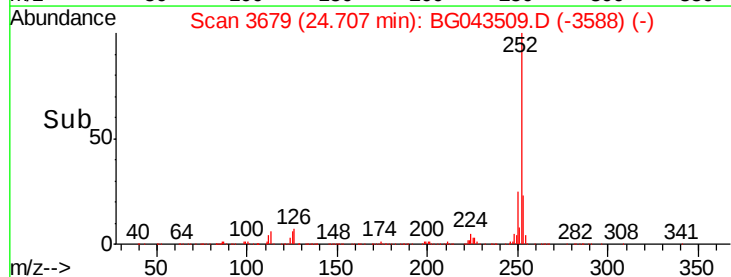
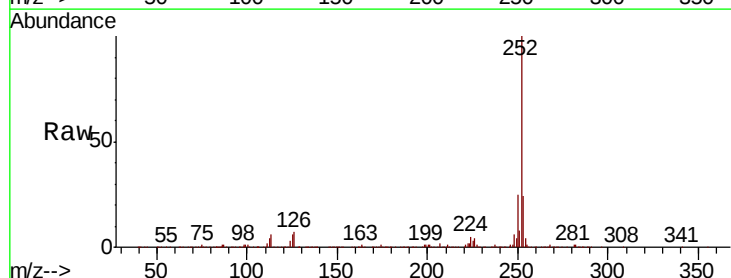
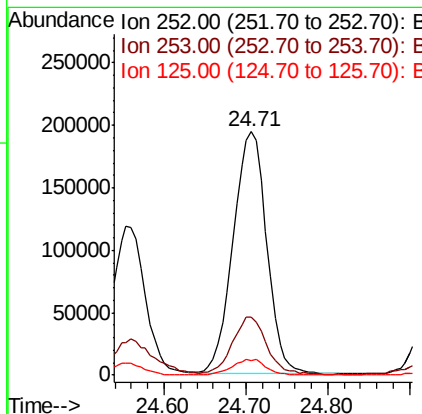
RT: 24.71 min Scan# 3679

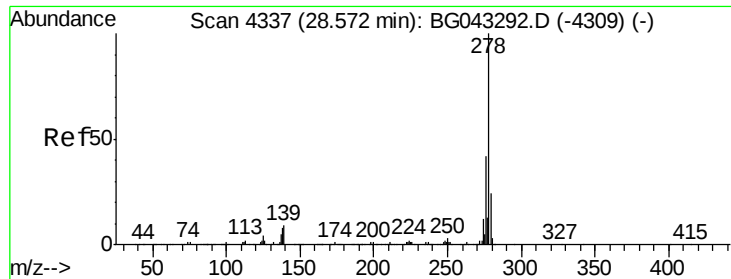
Delta R.T. 0.01 min

Lab File: BG043509.D

Acq: 5 Nov 2019 15:54

Tgt Ion:	252	Resp:	553796
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.8	26.8
125	5.8	5.4	8.2





#91

Dibenzo(a,h)anthracene

Concen: 4.736 ng

RT: 28.53 min Scan# 4329

Delta R.T. -0.03 min

Lab File: BG043509.D

Acq: 5 Nov 2019 15:54

Instrument :

BNA_G

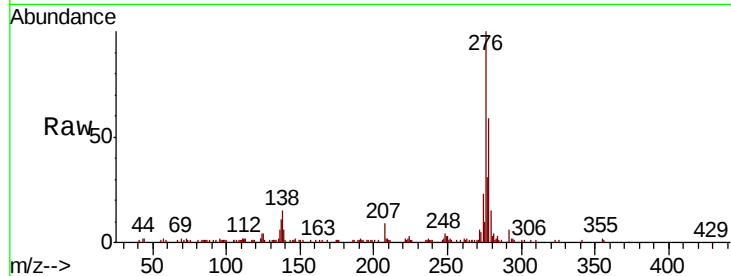
ClientSampleId :

168-74-(0-1)DL

Tot Ion:	278	Resp:	98464
Ion Ratio	Lower	Upper	
278	100		
139	10.7	7.4	11.0
279	25.0	19.1	28.7

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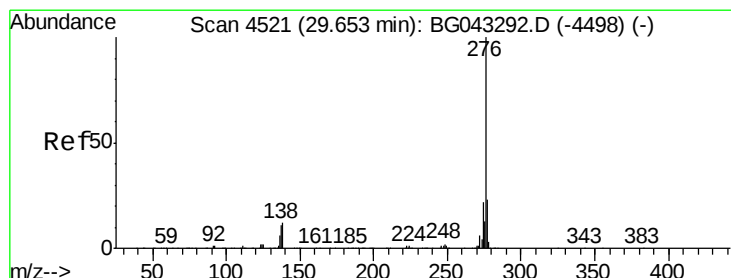
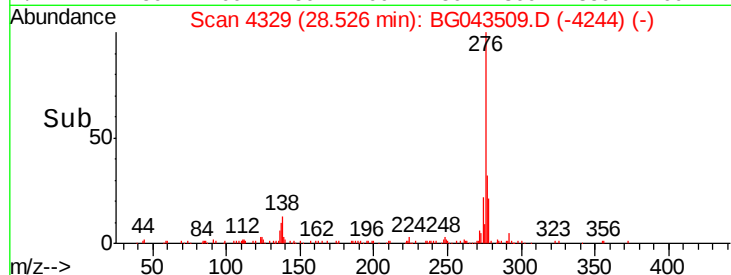
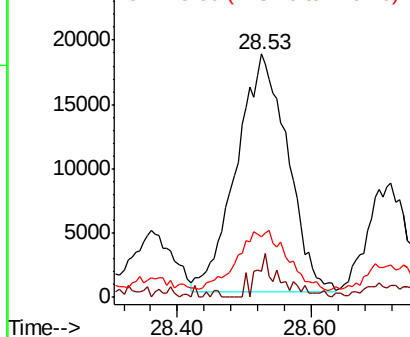


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 14.319 ng

RT: 29.62 min Scan# 4516

Delta R.T. -0.00 min

Lab File: BG043509.D

Acq: 5 Nov 2019 15:54

Tgt Ion:	276	Resp:	293667
Ion Ratio	Lower	Upper	
276	100		
277	24.0	18.9	28.3
138	11.1	8.9	13.3

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

