

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082919\
 Data File : BM022413.D
 Acq On : 29 Aug 2019 18:21
 Operator : HP/JU
 Sample : K4574-04RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 29 18:54:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 29 16:51:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	14303	20.00	ng	0.00
21) Naphthalene-d8	10.29	136	50272	20.00	ng	0.00
39) Acenaphthene-d10	14.18	164	33771	20.00	ng	0.00
64) Phenanthrene-d10	16.95	188	82844	20.00	ng	0.00
76) Chrysene-d12	21.17	240	116333	20.00	ng	0.00
87) Perylene-d12	23.36	264	138675	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.15	112	81481	100.00	ng	0.00
7) Phenol-d6	6.72	99	104489	95.89	ng	0.00
23) Nitrobenzene-d5	8.69	82	80535	70.17	ng	0.00
42) 2,4,6-Tribromophenol	15.70	330	64057	92.70	ng	0.00
45) 2-Fluorobiphenyl	12.79	172	185158	62.11	ng	0.00
79) Terphenyl-d14	19.60	244	471407	53.48	ng	0.00

Target Compounds

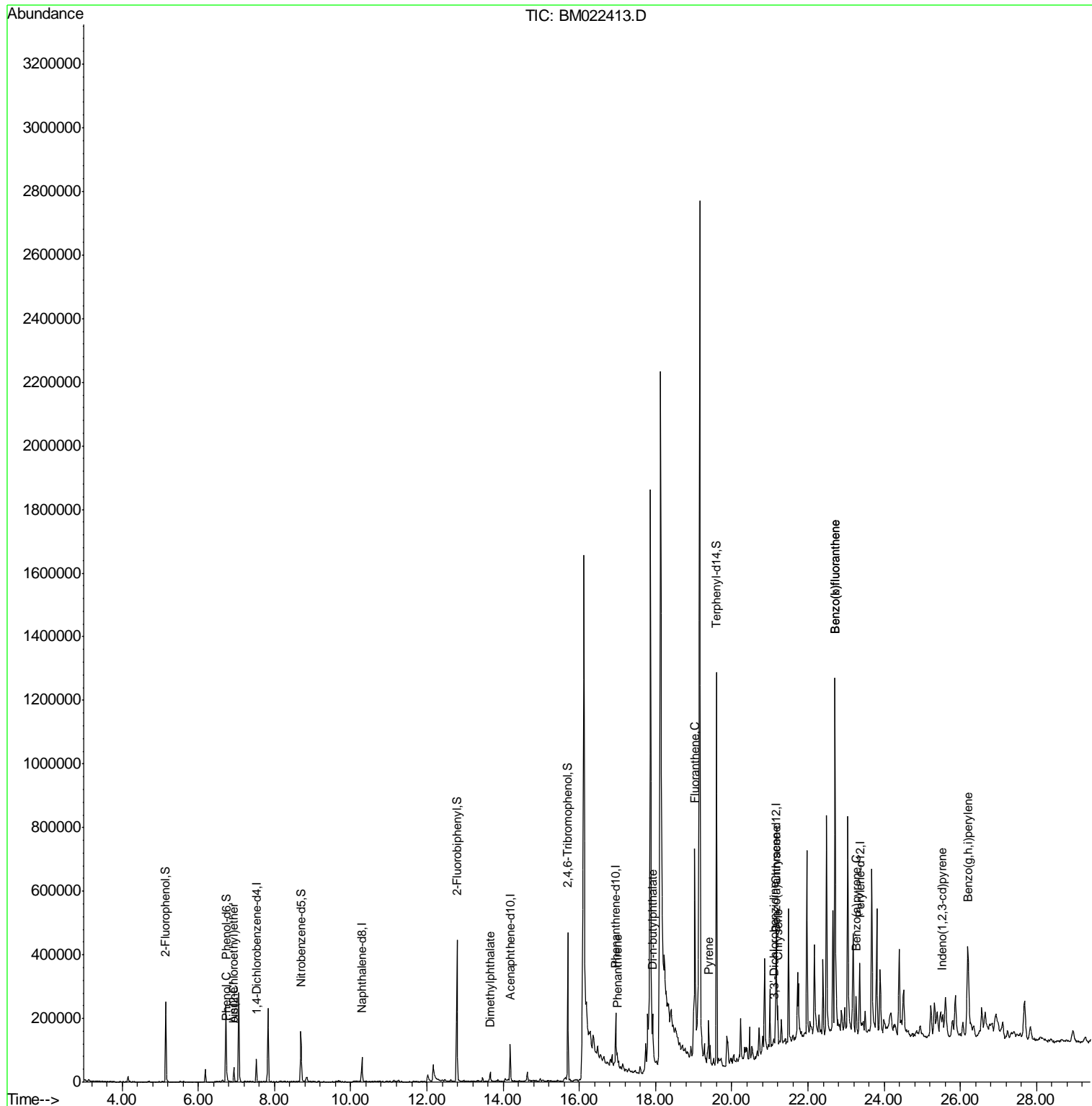
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.93	93	12476	8.984	ng	# 53
10) Phenol	6.75	94	5752	5.255	ng	87
11) bis(2-Chloroethyl)ether	6.93	93	12625	15.282	ng	# 23
50) Dimethylphthalate	13.66	163	15712	5.349	ng	# 95
71) Phenanthrene	17.00	178	21453	4.443	ng	97
74) Di-n-butylphthalate	17.92	149	47428	8.906	ng	97
75) Fluoranthene	19.03	202	98405	15.302	ng	96
78) Pyrene	19.39	202	81074	10.226	ng	99
81) Benzo(a)anthracene	21.15	228	60143	7.203	ng	95
82) 3,3'-Dichlorobenzidine	21.12	252	7318	2.825	ng	# 81
83) Chrysene	21.20	228	64470	8.112	ng	97
86) Indeno(1,2,3-cd)pyrene	25.54	276	52596	6.579	ng	# 95
88) Benzo(b)fluoranthene	22.71	252	153922	15.977	ng	# 87
89) Benzo(k)fluoranthene	22.71	252	154621	16.179	ng	# 84
90) Benzo(a)pyrene	23.26	252	64351	7.526	ng	# 99
92) Benzo(a,h,i)perylene	26.20	276	57013	7.672	ng	# 97

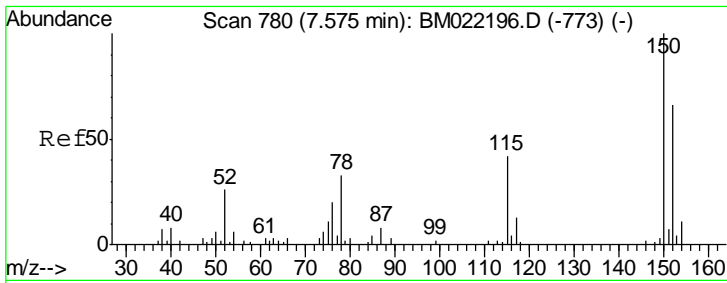
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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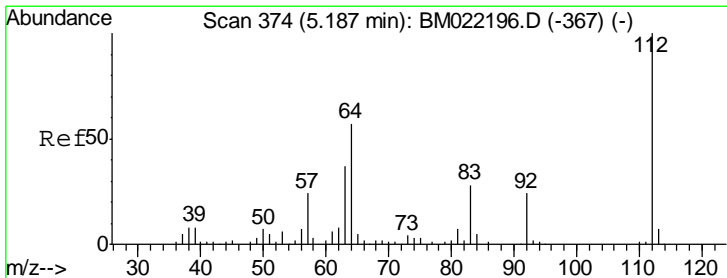
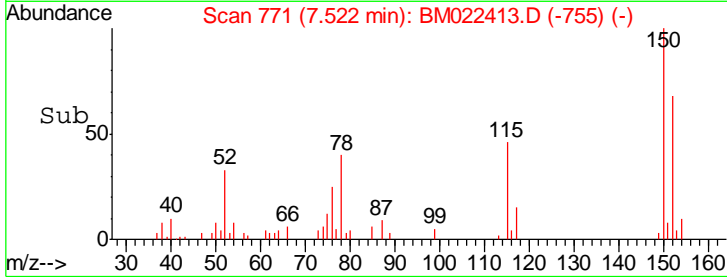
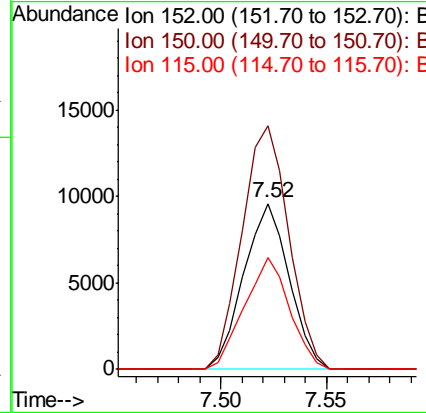
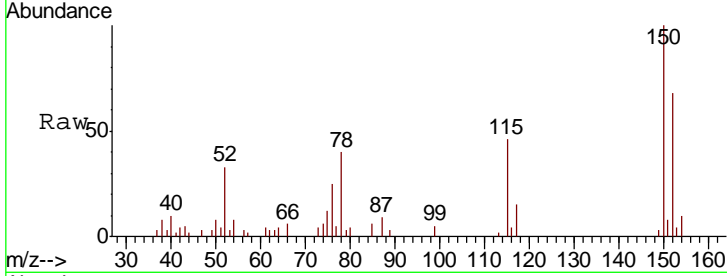




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.52 min Scan# 771
 Delta R.T. -0.01 min
 Lab File: BM022413.D
 Acq: 29 Aug 2019 18:21

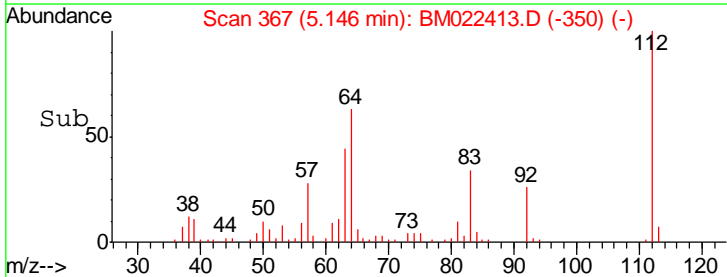
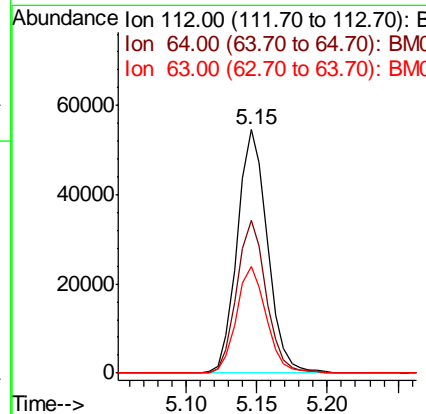
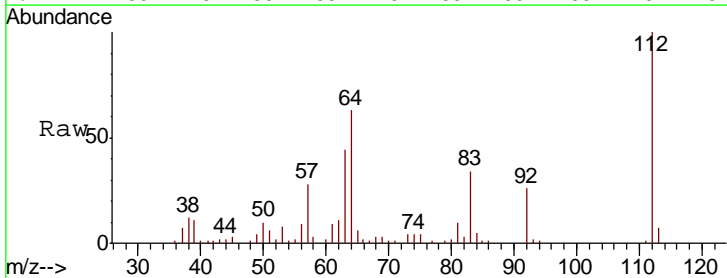
Instrument :
 BNA_G
 ClientSampled :

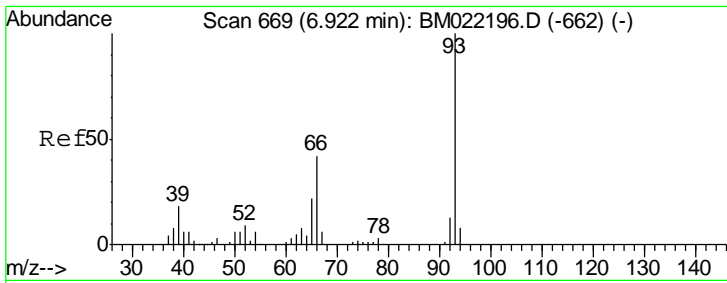
Tgt Ion	Resp	Lower	Upper
152	14303		
150	146.9	125.4	188.0
115	67.6	50.3	75.5



#5
 2-Fluorophenol
 Concen: 99.997 ng
 RT: 5.15 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: BM022413.D
 Acq: 29 Aug 2019 18:21

Tgt Ion	Resp	Lower	Upper
112	81481		
64	63.0	45.4	68.2
63	43.8	34.5	51.7

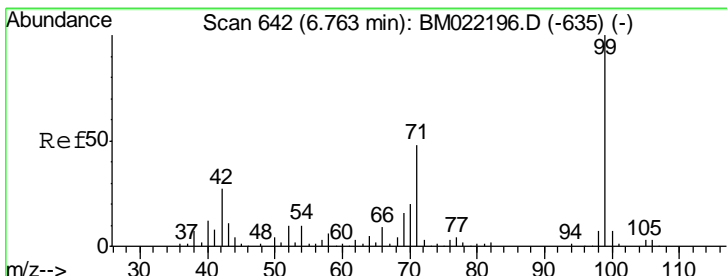
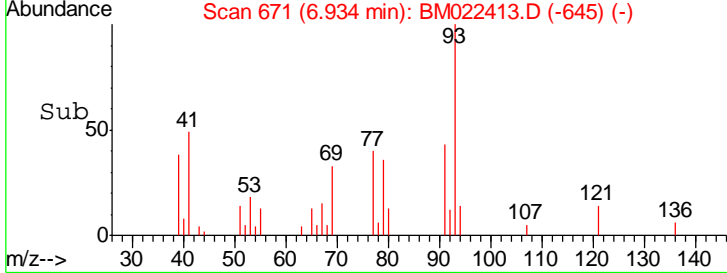
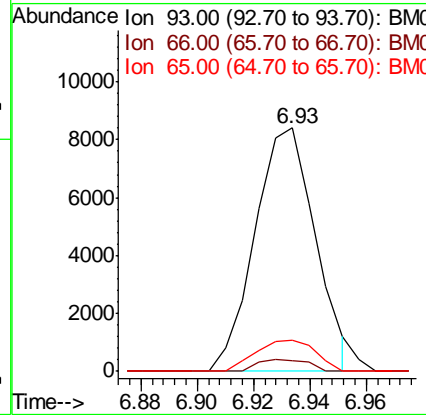
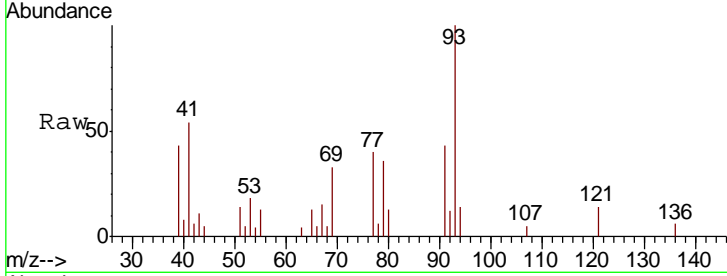




#6
 Aniline
 Concen: 8.984 ng
 RT: 6.93 min Scan# 671
 Delta R.T. 0.05 min
 Lab File: BM022413.D
 Acq: 29 Aug 2019 18:21

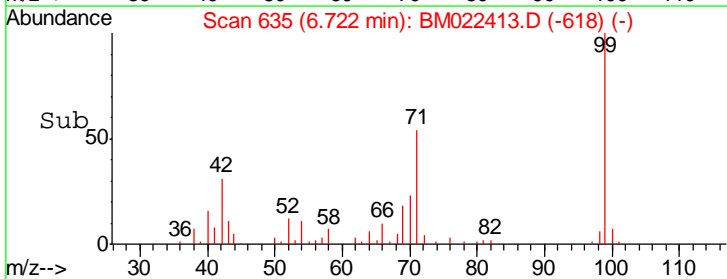
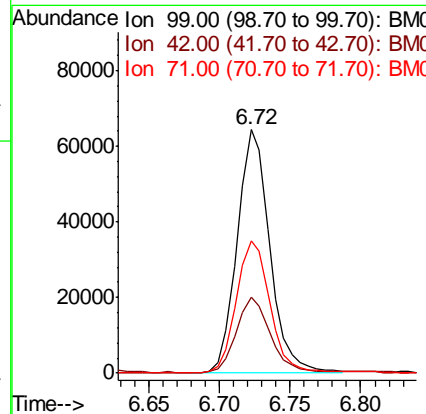
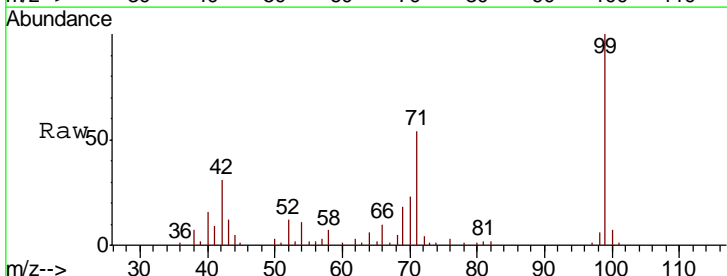
Instrument :
 BNA_G
 ClientSampled :

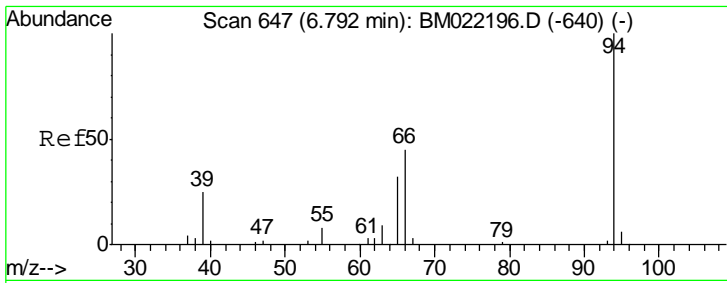
Tgt Ion	Resp	Lower	Upper
93	12476		
66	4.5	34.7	52.1#
65	12.6	18.8	28.2#



#7
 Phenol-d6
 Concen: 95.893 ng
 RT: 6.72 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: BM022413.D
 Acq: 29 Aug 2019 18:21

Tgt Ion	Resp	Lower	Upper
99	104489		
42	31.3	26.3	39.5
71	54.3	46.6	69.8

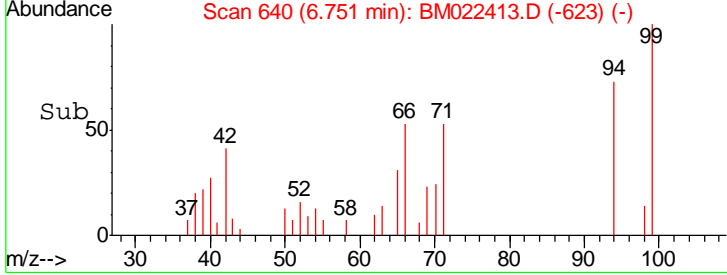
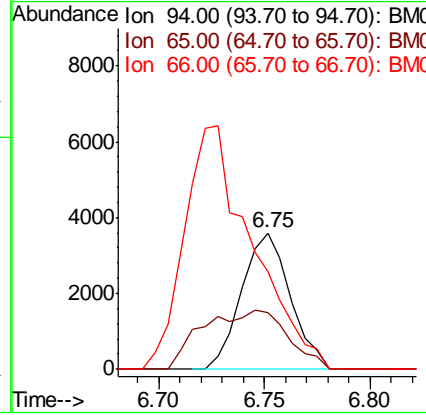
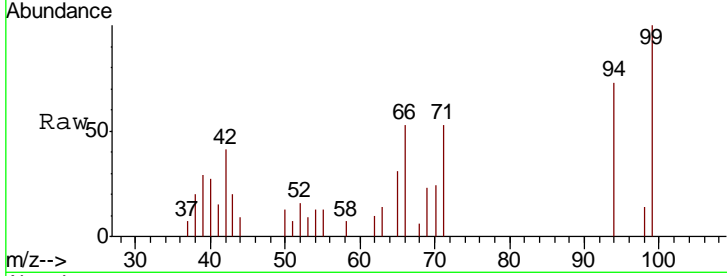




#10
 Phenol
 Concen: 5.255 ng
 RT: 6.75 min Scan# 640
 Delta R.T. -0.00 min
 Lab File: BM022413.D
 Acq: 29 Aug 2019 18:21

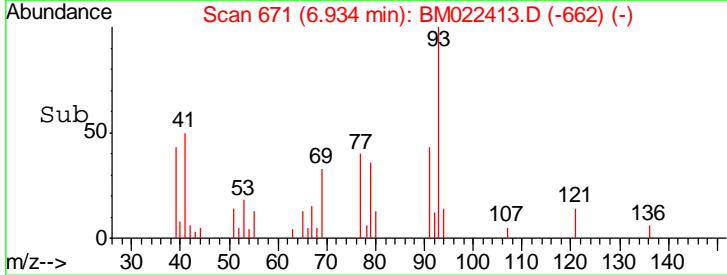
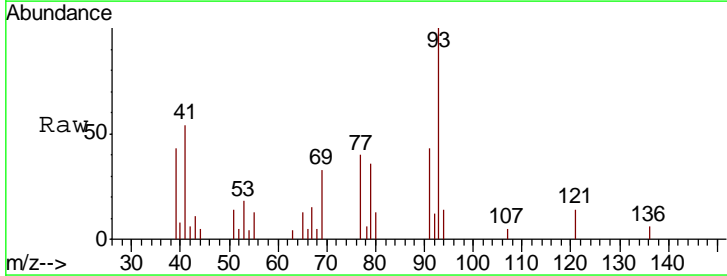
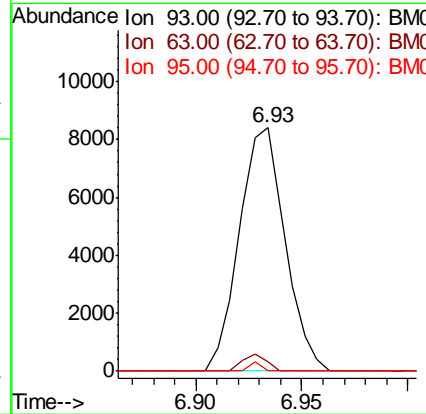
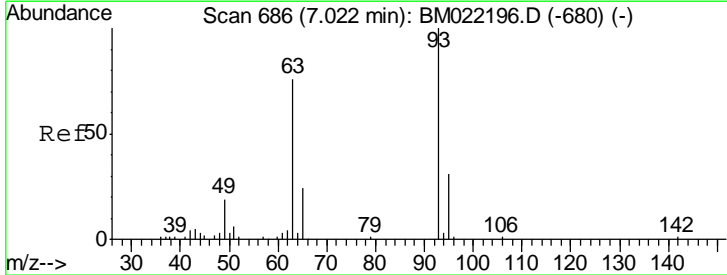
Instrument :
 BNA_G
 ClientSampled :

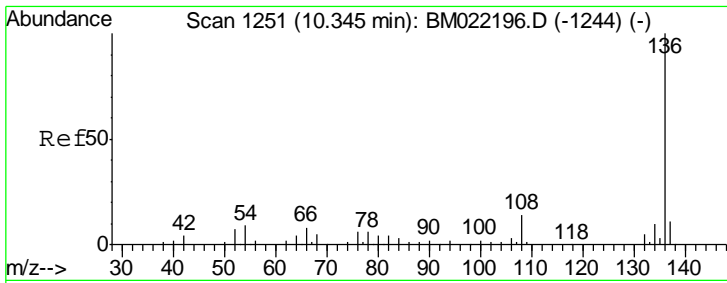
Tgt Ion	Resp	Lower	Upper
94	100		
65	42.0	17.7	57.7
66	71.6	39.6	79.6



#11
 bis(2-Chloroethyl)ether
 Concen: 15.282 ng
 RT: 6.93 min Scan# 671
 Delta R.T. -0.05 min
 Lab File: BM022413.D
 Acq: 29 Aug 2019 18:21

Tgt Ion	Resp	Lower	Upper
93	100		
63	4.1	59.1	99.1#
95	0.0	12.0	52.0#

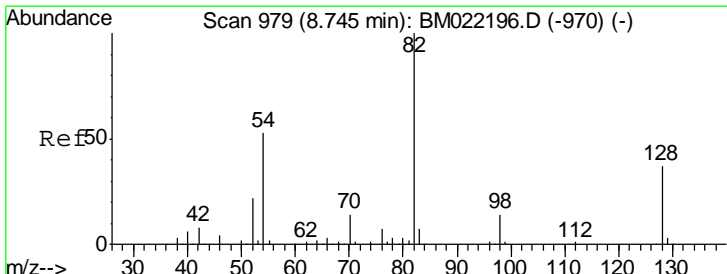
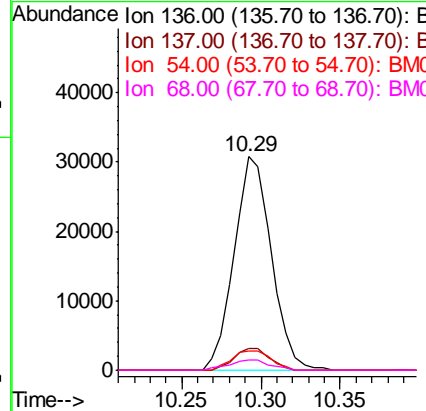
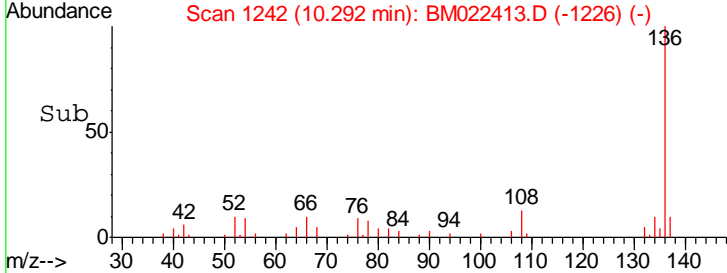
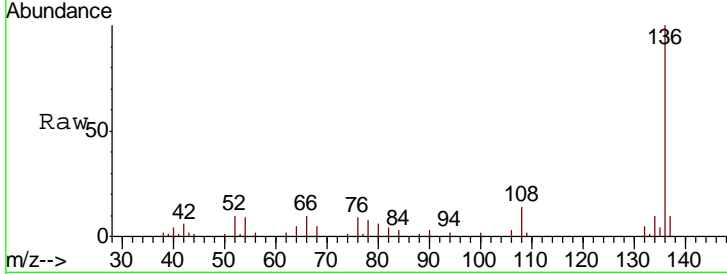




#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.29 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BM022413.D
 Acq: 29 Aug 2019 18:21

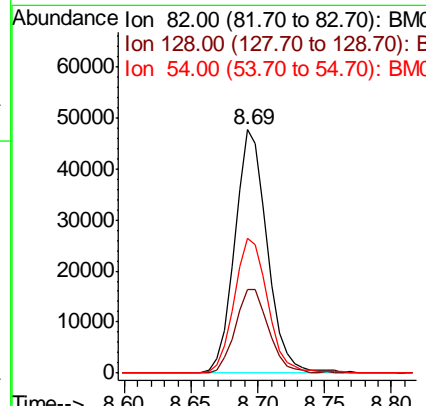
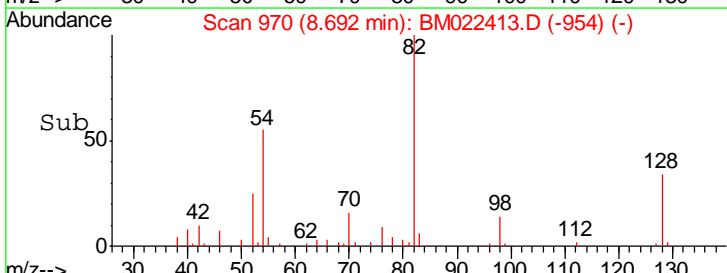
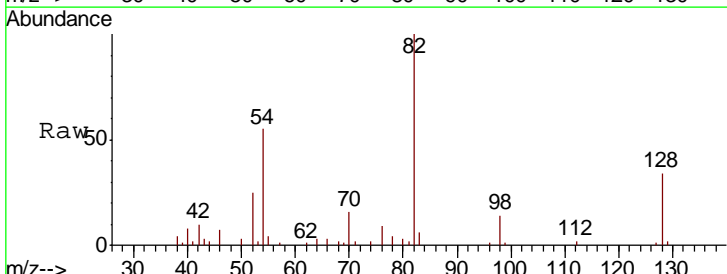
Instrument :
 BNA_G
 ClientSampled :

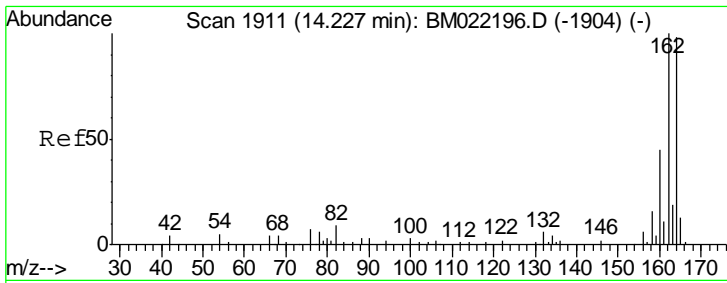
Tgt Ion	Resp	Lower	Upper
136	50272		
137	10.2	8.6	13.0
54	8.8	7.0	10.6
68	4.7	2.9	4.3#



#23
 Nitrobenzene-d5
 Concen: 70.168 ng
 RT: 8.69 min Scan# 970
 Delta R.T. -0.01 min
 Lab File: BM022413.D
 Acq: 29 Aug 2019 18:21

Tgt Ion	Resp	Lower	Upper
82	80535		
128	34.2	27.9	41.9
54	55.2	45.2	67.8

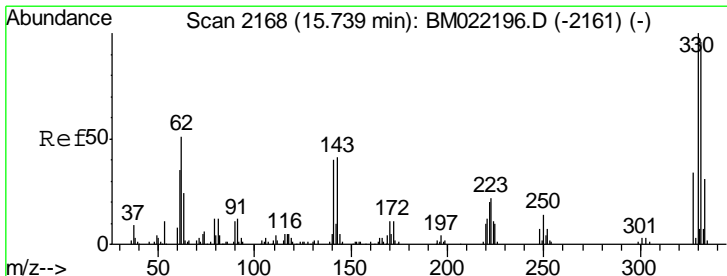
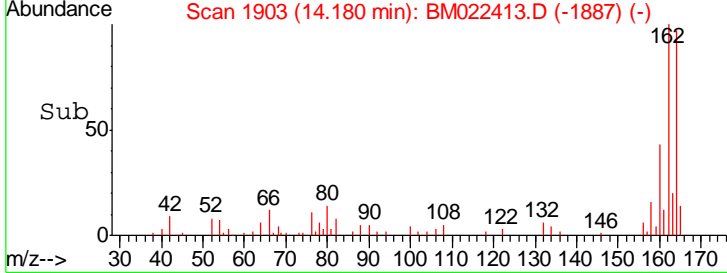
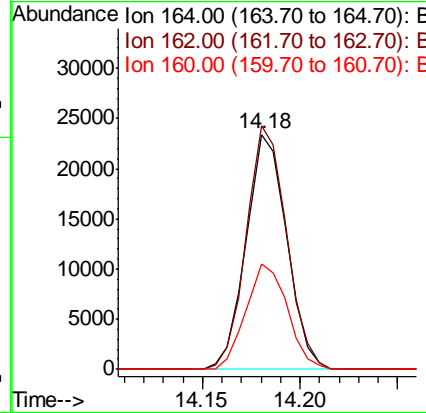
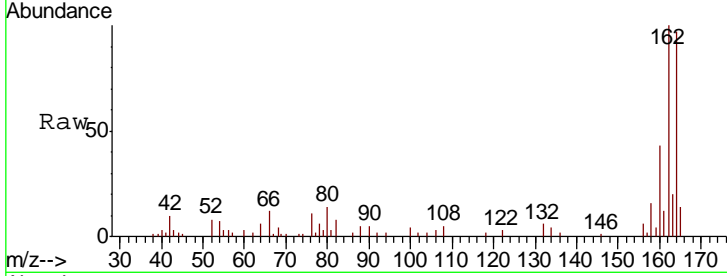




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.18 min Scan# 1903
 Delta R.T. -0.01 min
 Lab File: BM022413.D
 Acq: 29 Aug 2019 18:21

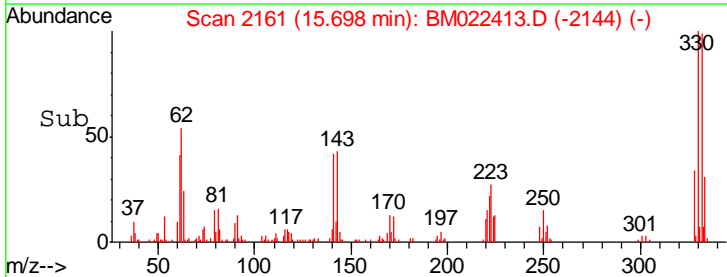
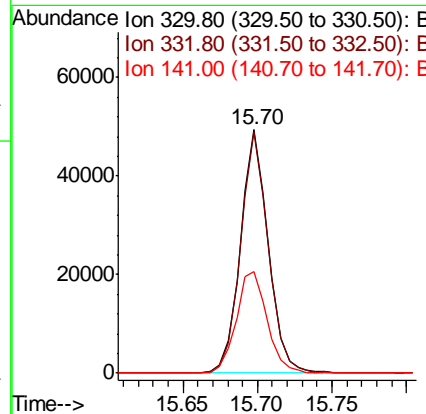
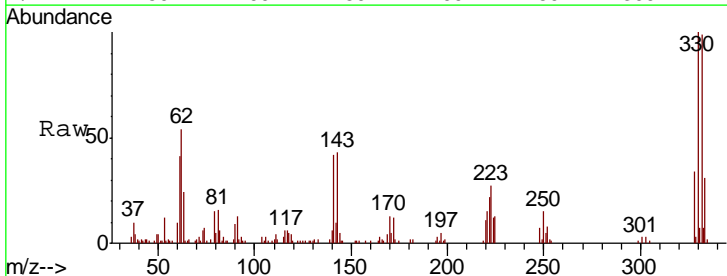
Instrument :
 BNA_G
 ClientSampled :

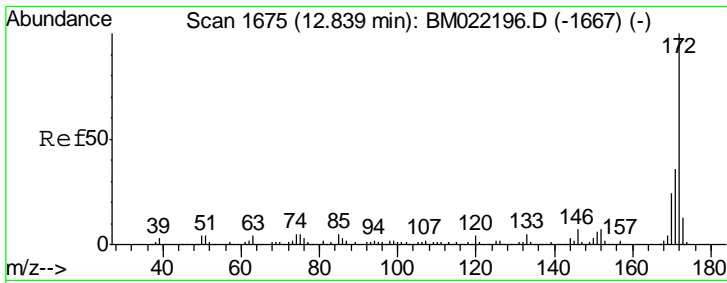
Tgt Ion	Resp	Lower	Upper
164	100		
162	103.6	80.6	121.0
160	45.0	37.3	55.9



#42
 2,4,6-Tribromophenol
 Concen: 92.695 ng
 RT: 15.70 min Scan# 2161
 Delta R.T. -0.00 min
 Lab File: BM022413.D
 Acq: 29 Aug 2019 18:21

Tgt Ion	Resp	Lower	Upper
330	100		
332	98.0	77.8	116.8
141	46.2	35.6	53.4

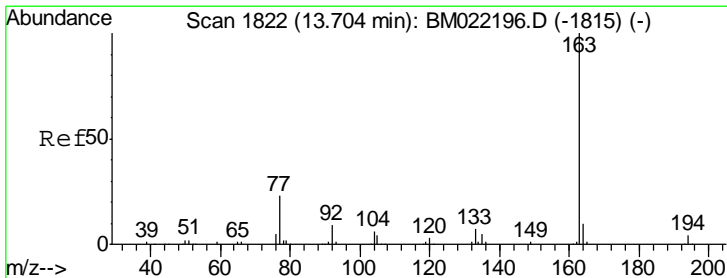
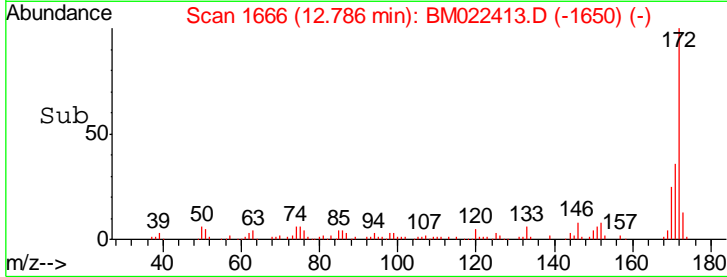
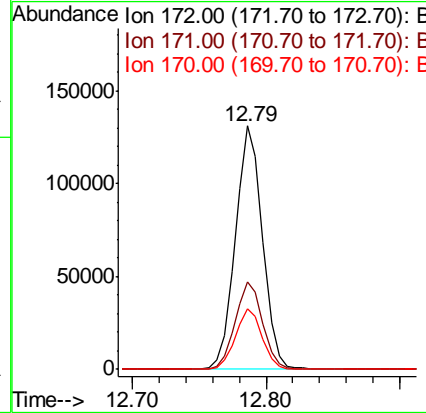
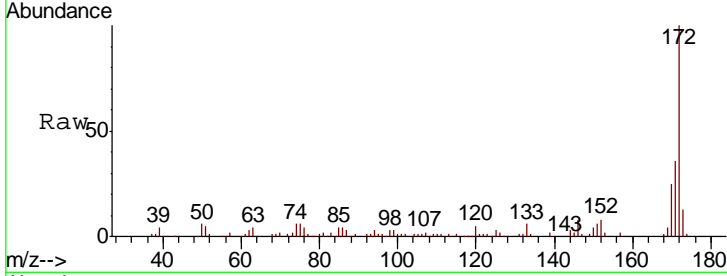




#45
 2-Fluorobiphenyl
 Concen: 62.111 ng
 RT: 12.79 min Scan# 1666
 Delta R.T. -0.01 min
 Lab File: BM022413.D
 Acq: 29 Aug 2019 18:21

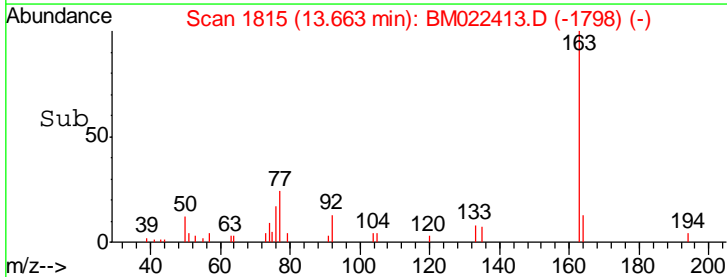
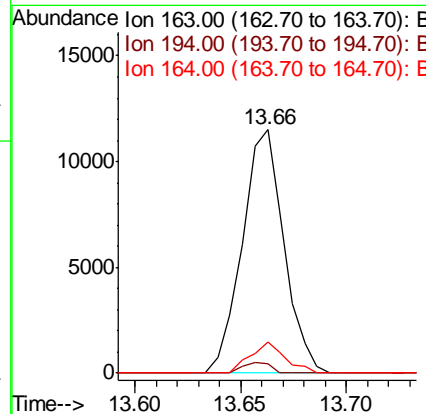
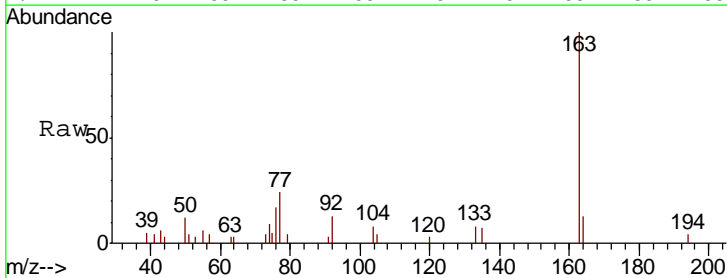
Instrument :
 BNA_G
 ClientSampled :

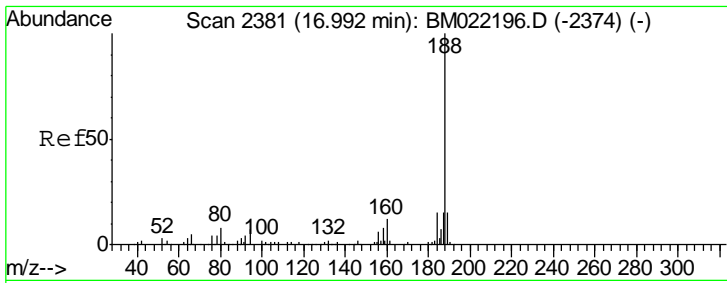
Tgt Ion	Resp	Lower	Upper
172	185158		
171	35.9	28.5	42.7
170	25.0	18.9	28.3



#50
 Dimethylphthalate
 Concen: 5.349 ng
 RT: 13.66 min Scan# 1815
 Delta R.T. -0.00 min
 Lab File: BM022413.D
 Acq: 29 Aug 2019 18:21

Tgt Ion	Resp	Lower	Upper
163	15712		
194	4.0	3.4	5.2
164	12.7	8.2	12.2#

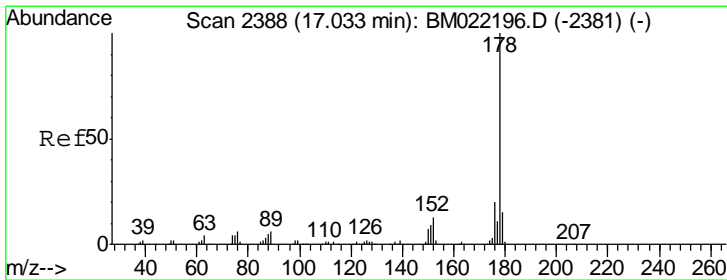
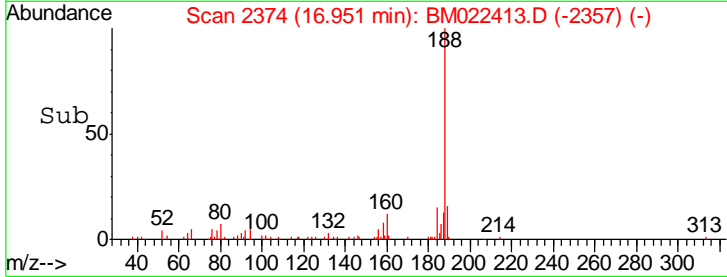
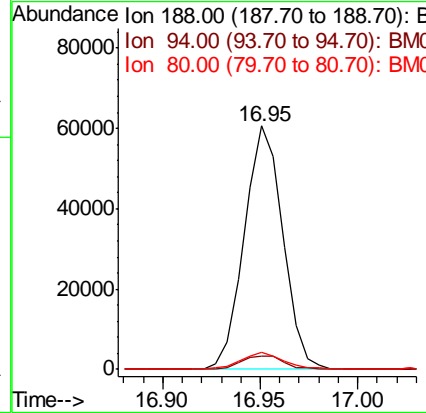
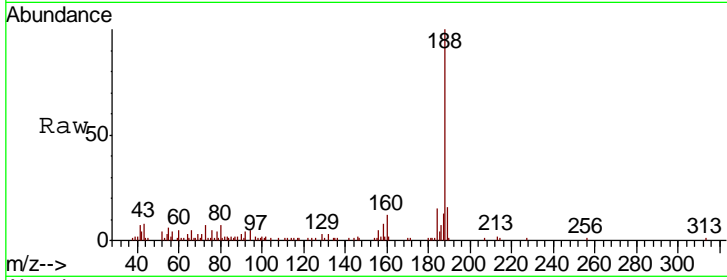




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 16.95 min Scan# 2374
 Delta R.T. -0.00 min
 Lab File: BM022413.D
 Acq: 29 Aug 2019 18:21

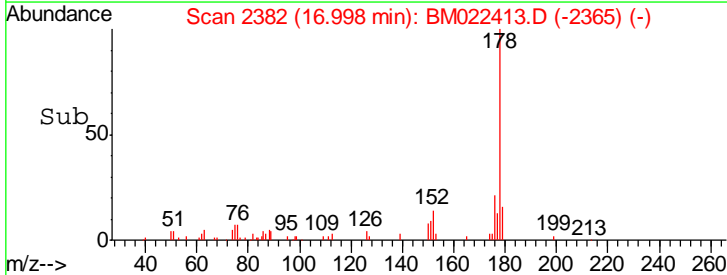
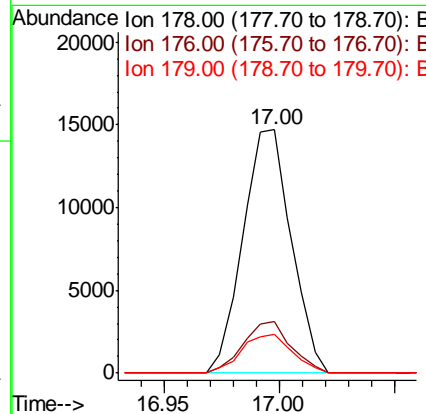
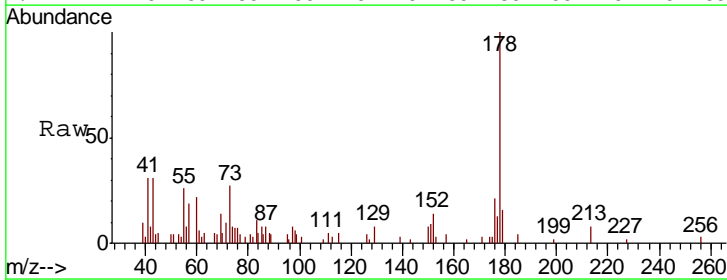
Instrument :
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 ClientSampled :

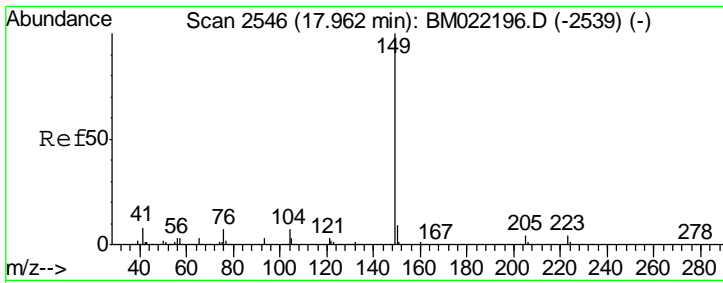
Tgt Ion	Resp	Lower	Upper
188	100		
94	5.4	4.4	6.6
80	6.8	5.0	7.6



#71
 Phenanthrene
 Concen: 4.443 ng
 RT: 17.00 min Scan# 2382
 Delta R.T. -0.00 min
 Lab File: BM022413.D
 Acq: 29 Aug 2019 18:21

Tgt Ion	Resp	Lower	Upper
178	100		
176	21.1	15.4	23.2
179	15.9	12.3	18.5

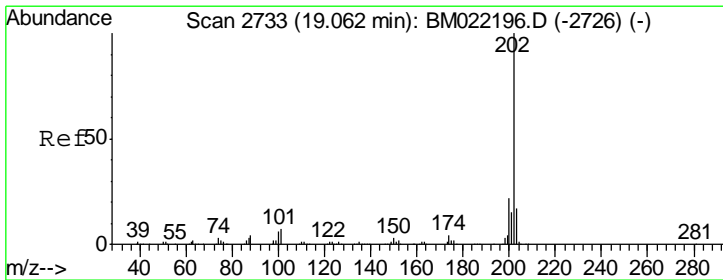
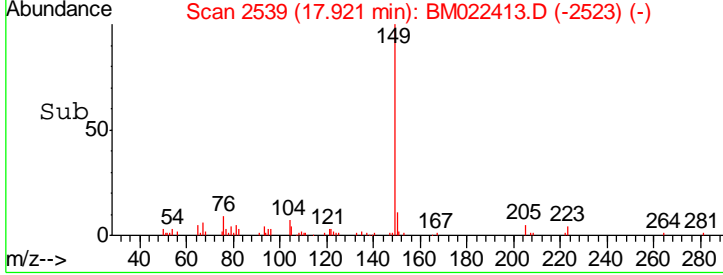
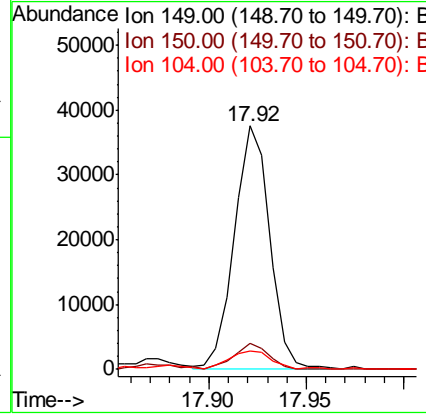
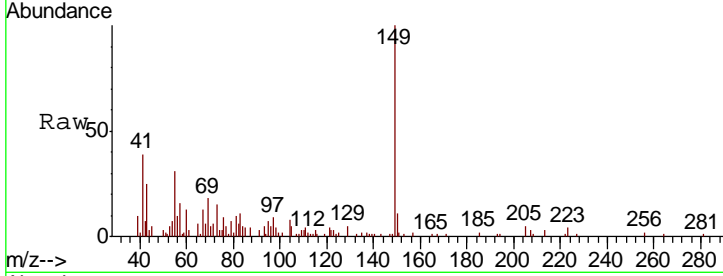




#74
 Di-n-butylphthalate
 Concen: 8.906 ng
 RT: 17.92 min Scan# 2539
 Delta R.T. -0.01 min
 Lab File: BM022413.D
 Acq: 29 Aug 2019 18:21

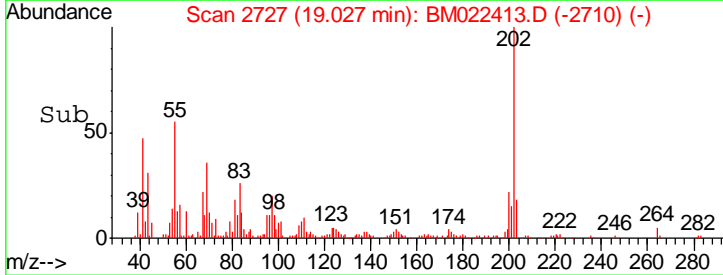
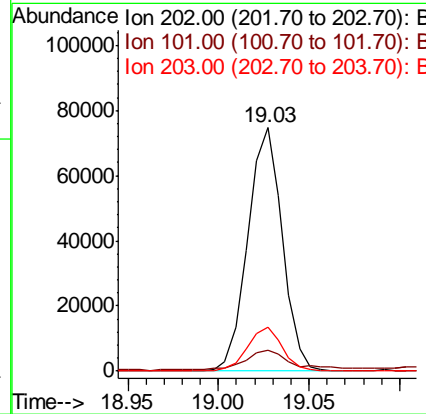
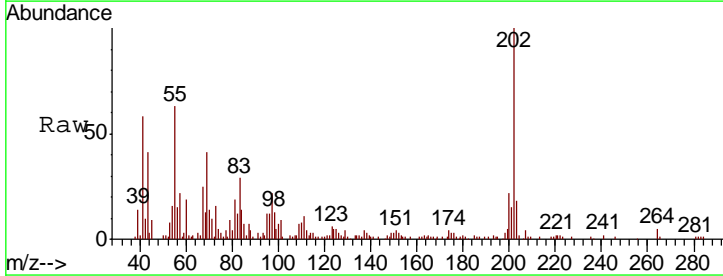
Instrument :
 BNA_G
 ClientSampled :

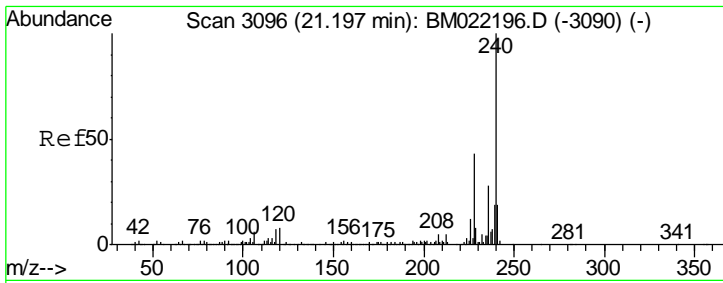
Tgt Ion	Resp	Lower	Upper
149	47428		
150	10.7	7.4	11.0
104	7.7	5.6	8.4



#75
 Fluoranthene
 Concen: 15.302 ng
 RT: 19.03 min Scan# 2727
 Delta R.T. -0.00 min
 Lab File: BM022413.D
 Acq: 29 Aug 2019 18:21

Tgt Ion	Resp	Lower	Upper
202	98405		
101	8.7	0.0	25.1
203	17.8	0.0	37.1

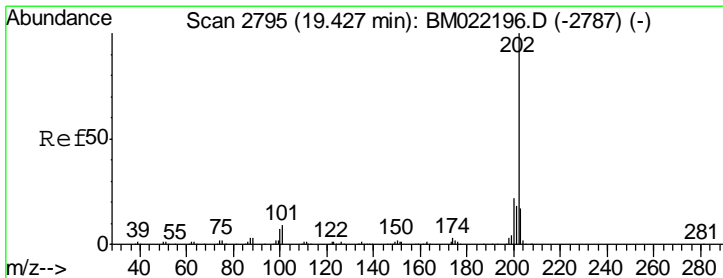
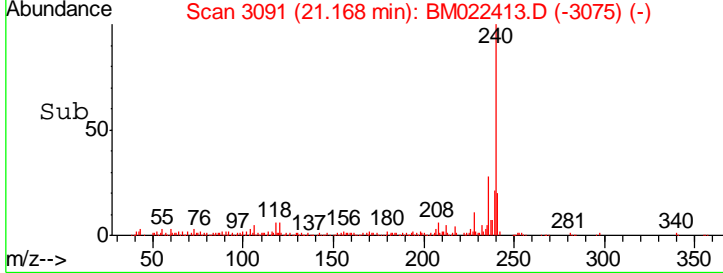
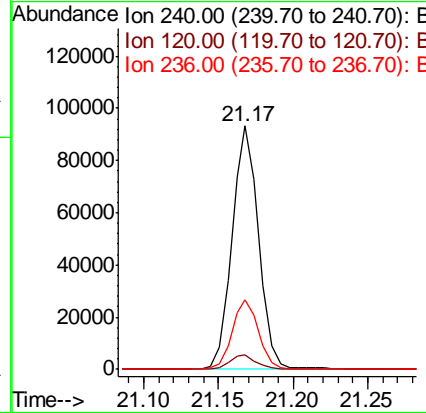
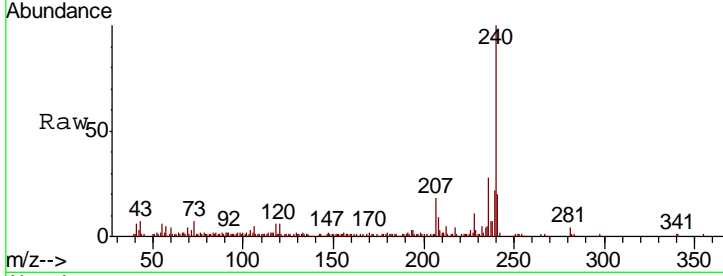




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.17 min Scan# 3091
 Delta R.T. -0.01 min
 Lab File: BM022413.D
 Acq: 29 Aug 2019 18:21

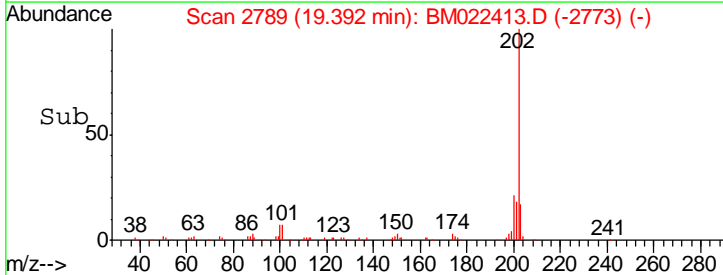
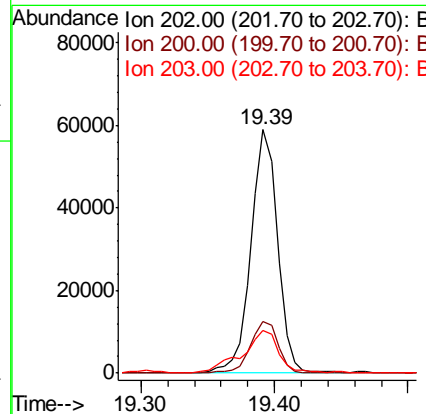
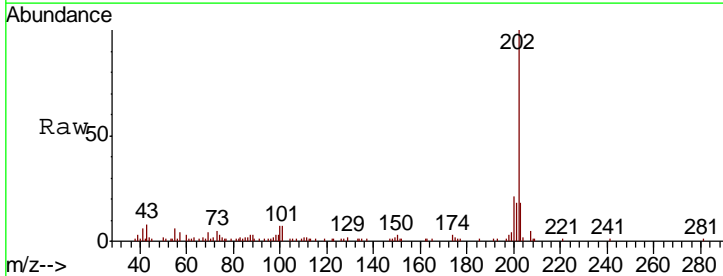
Instrument :
 BNA_G
 ClientSampled :

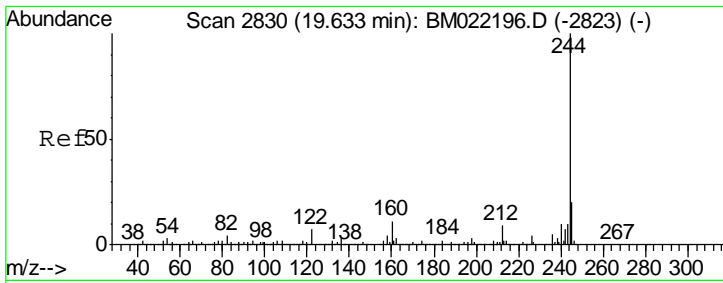
Tgt Ion	Resp	Lower	Upper
240	116333		
120	6.1	3.9	5.9#
236	28.3	21.4	32.2



#78
 Pyrene
 Concen: 10.226 ng
 RT: 19.39 min Scan# 2789
 Delta R.T. -0.01 min
 Lab File: BM022413.D
 Acq: 29 Aug 2019 18:21

Tgt Ion	Resp	Lower	Upper
202	81074		
200	21.5	17.7	26.5
203	17.6	13.8	20.8

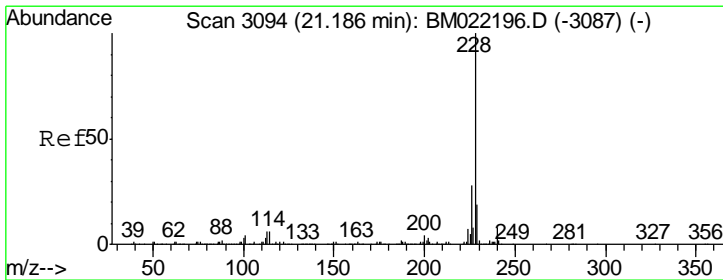
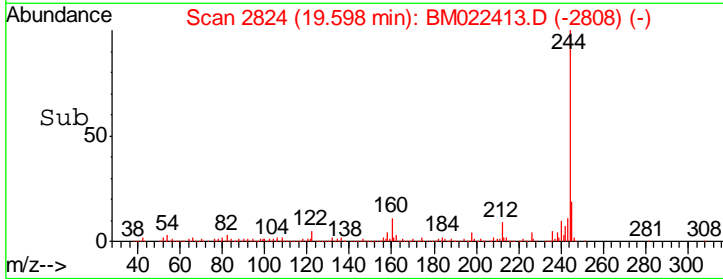
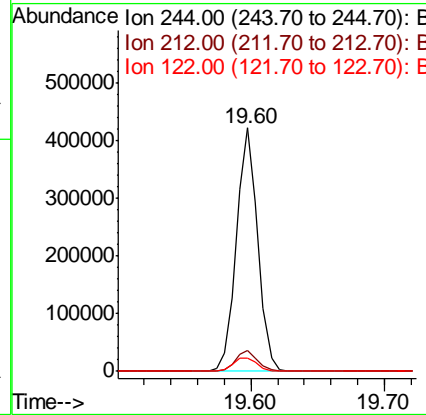
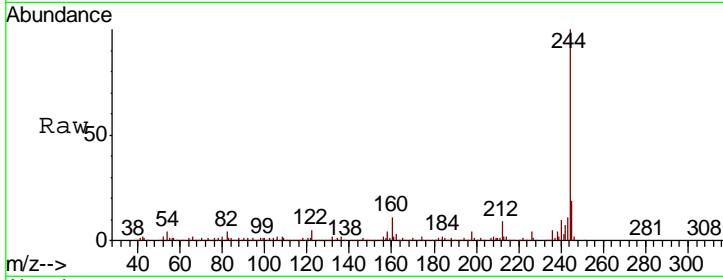




#79
 Terphenyl-d14
 Concen: 53.479 ng
 RT: 19.60 min Scan# 2824
 Delta R.T. -0.01 min
 Lab File: BM022413.D
 Acq: 29 Aug 2019 18:21

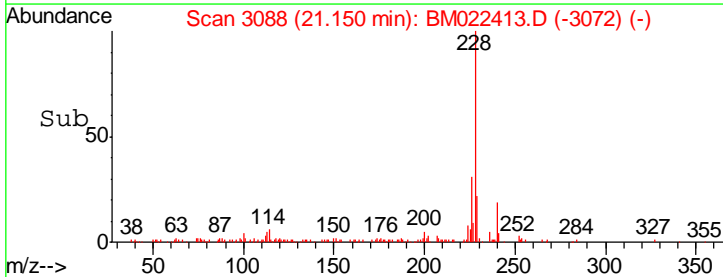
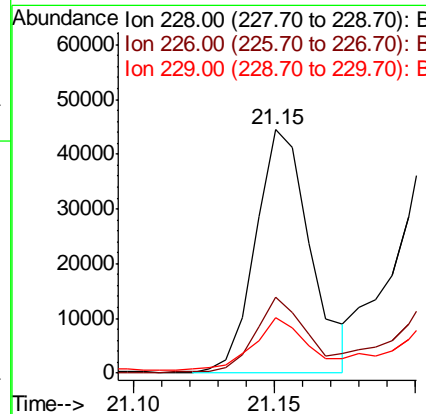
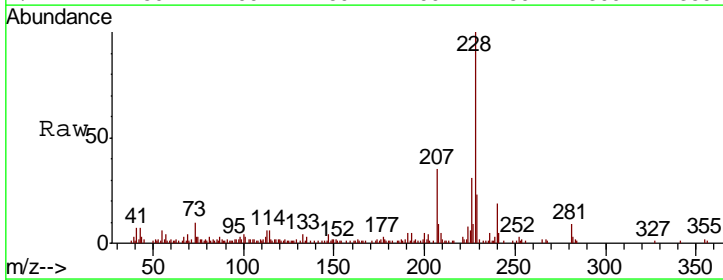
Instrument :
 BNA_G
 ClientSampled :

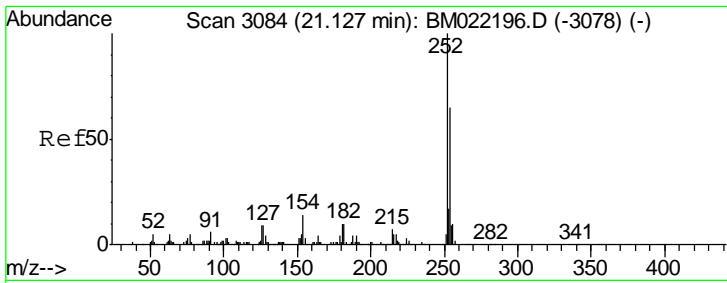
Tgt Ion	Resp	Lower	Upper
244	471407		
212	8.7	7.0	10.4
122	5.5	3.9	5.9



#81
 Benzo(a)anthracene
 Concen: 7.203 ng
 RT: 21.15 min Scan# 3088
 Delta R.T. -0.01 min
 Lab File: BM022413.D
 Acq: 29 Aug 2019 18:21

Tgt Ion	Resp	Lower	Upper
228	60143		
226	31.0	22.6	34.0
229	22.5	15.9	23.9

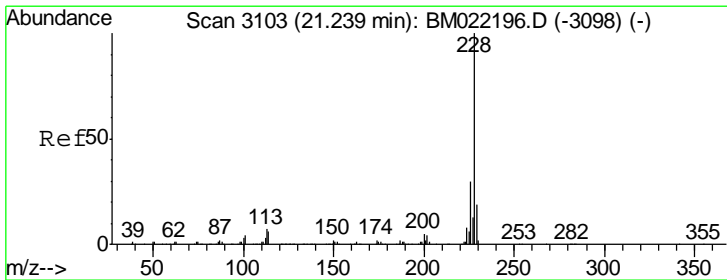
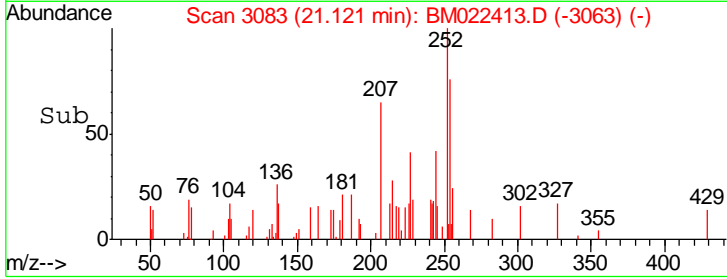
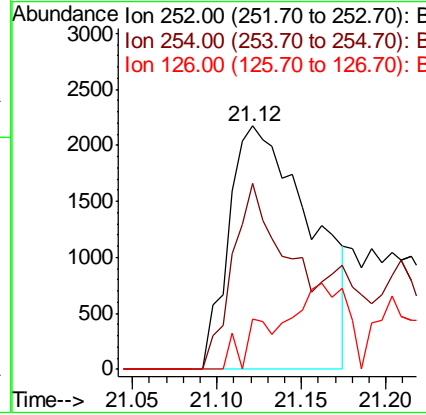
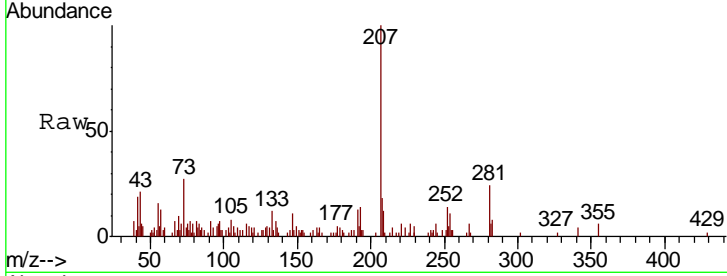




#82
 3,3'-Dichlorobenzidine
 Concen: 2.825 ng
 RT: 21.12 min Scan# 3083
 Delta R.T. 0.02 min
 Lab File: BM022413.D
 Acq: 29 Aug 2019 18:21

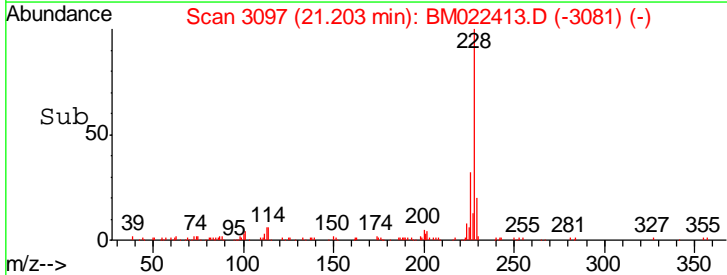
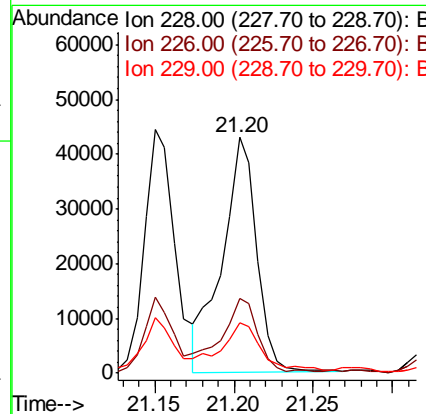
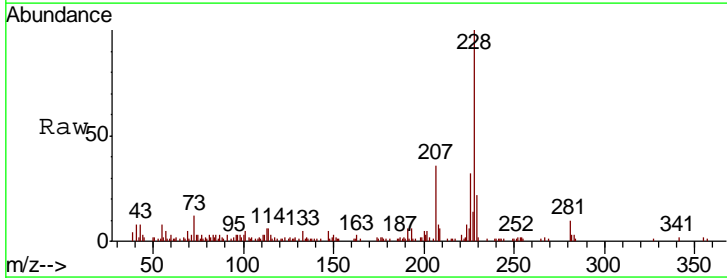
Instrument :
 BNA_G
 ClientSampled :

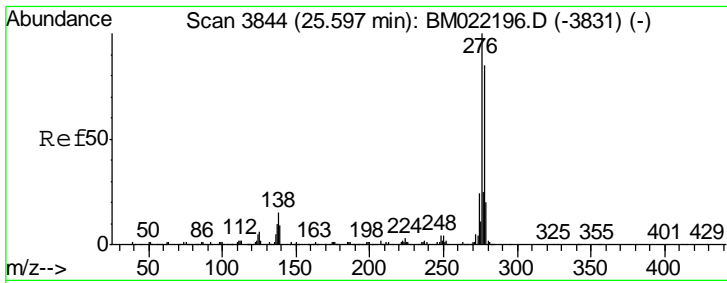
Tgt Ion	Resp	Lower	Upper
252	7318		
254	100	51.0	76.4#
126	76.5	5.8	8.8#



#83
 Chrysene
 Concen: 8.112 ng
 RT: 21.20 min Scan# 3097
 Delta R.T. -0.01 min
 Lab File: BM022413.D
 Acq: 29 Aug 2019 18:21

Tgt Ion	Resp	Lower	Upper
228	64470		
226	100	24.5	36.7
229	31.7	15.7	23.5

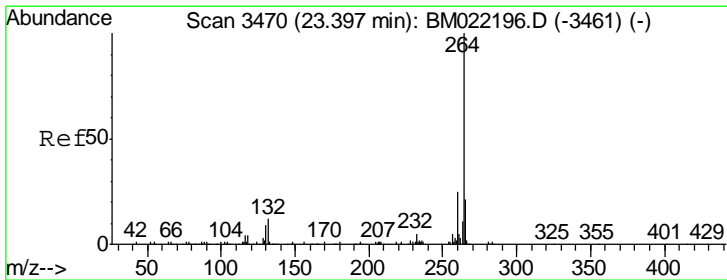
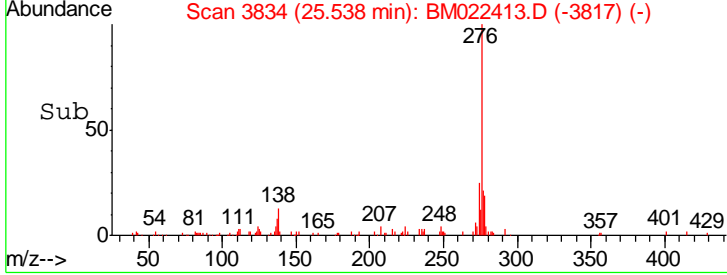
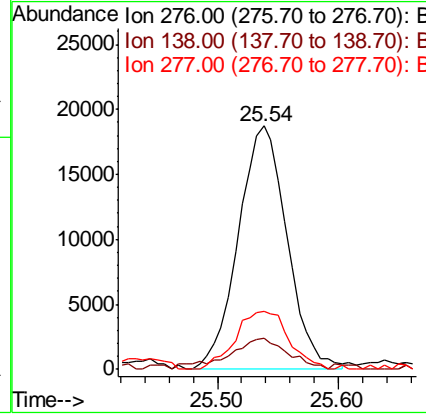
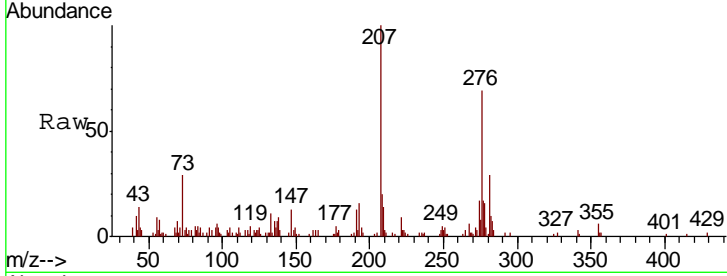




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 6.579 ng
 RT: 25.54 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: BM022413.D
 Acq: 29 Aug 2019 18:21

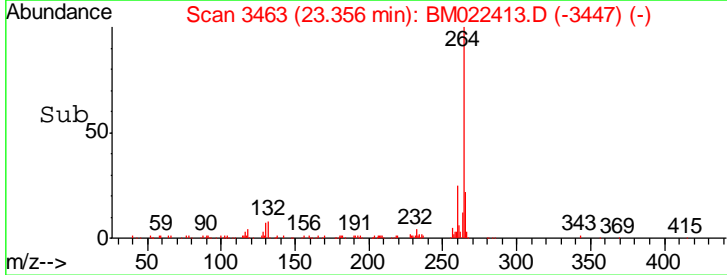
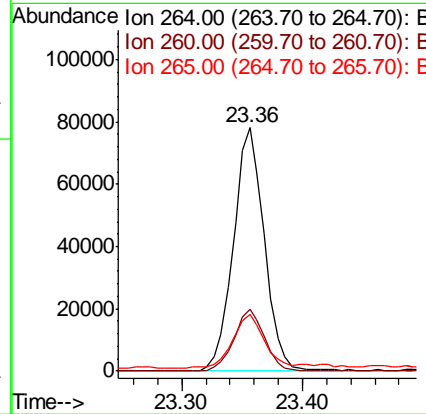
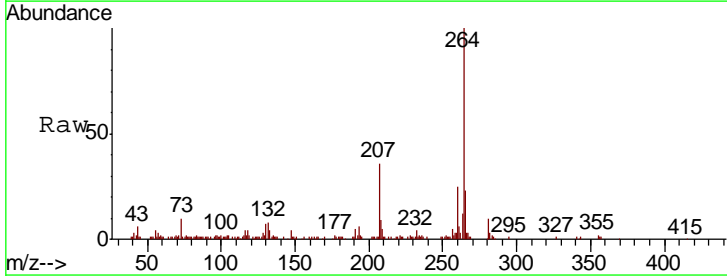
Instrument :
 BNA_G
 ClientSampled :

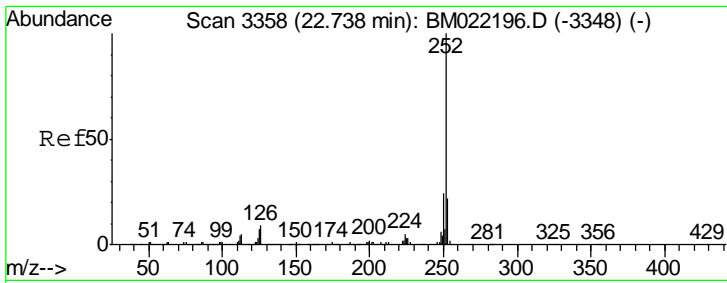
Tgt Ion	Resp	Lower	Upper
276	52596		
138	15.4	9.1	13.7#
277	26.0	20.0	30.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.36 min Scan# 3463
 Delta R.T. -0.01 min
 Lab File: BM022413.D
 Acq: 29 Aug 2019 18:21

Tgt Ion	Resp	Lower	Upper
264	138675		
260	25.2	20.2	30.2
265	23.3	18.2	27.2

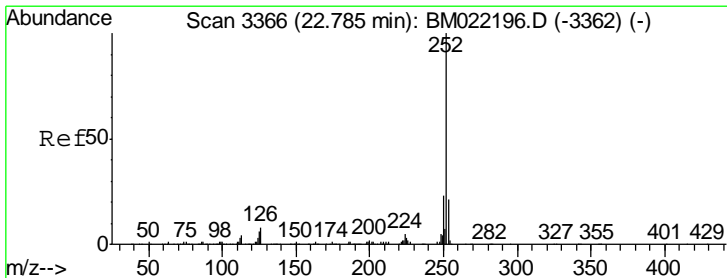
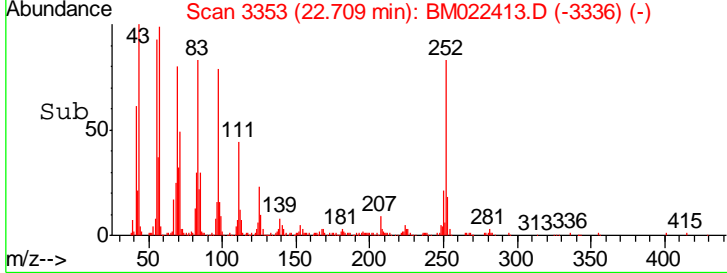
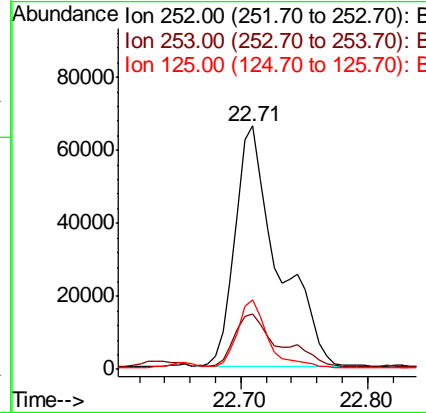
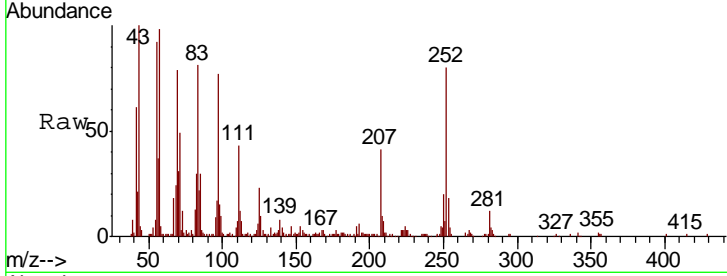




#88
 Benzo(b)fluoranthene
 Concen: 15.977 ng
 RT: 22.71 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: BM022413.D
 Acq: 29 Aug 2019 18:21

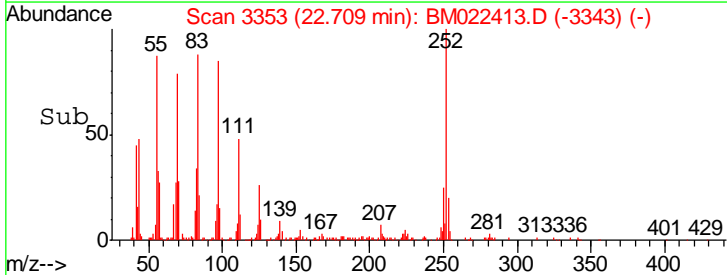
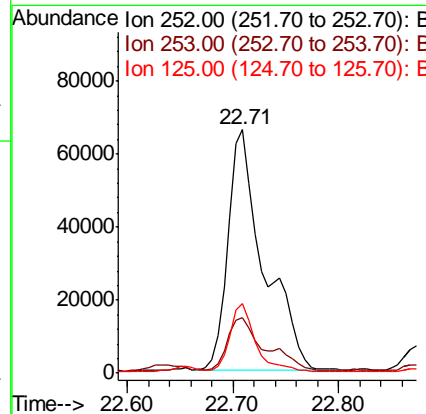
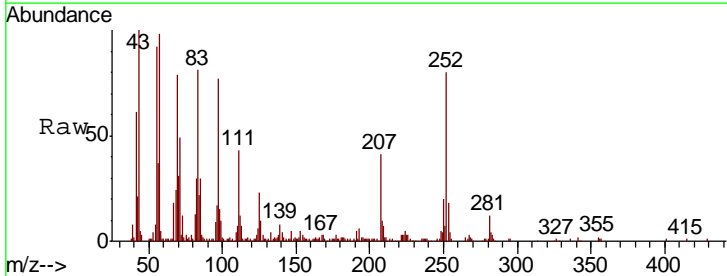
Instrument :
 BNA_G
 ClientSampled :

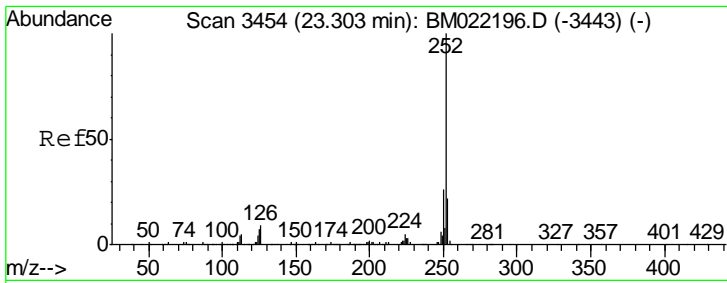
Tgt Ion	Resp	Lower	Upper
252	153922		
253	22.8	17.9	26.9
125	28.4	3.5	5.3#



#89
 Benzo(k)fluoranthene
 Concen: 16.179 ng
 RT: 22.71 min Scan# 3353
 Delta R.T. -0.04 min
 Lab File: BM022413.D
 Acq: 29 Aug 2019 18:21

Tgt Ion	Resp	Lower	Upper
252	154621		
253	22.8	17.0	25.4
125	28.4	3.7	5.5#

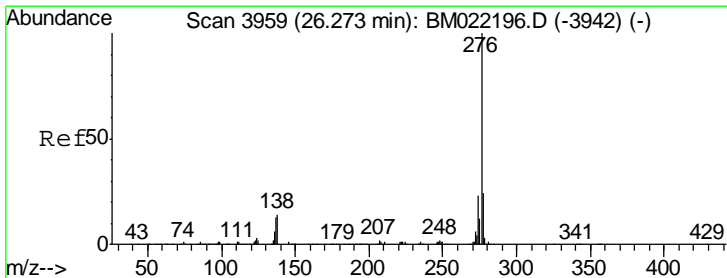
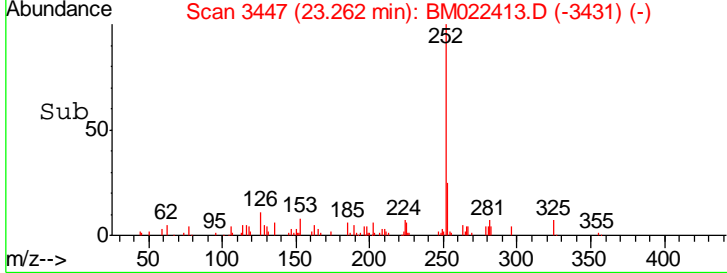
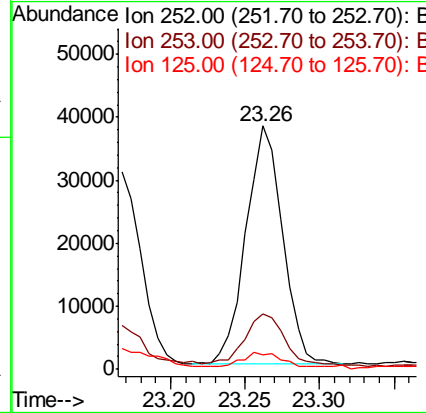
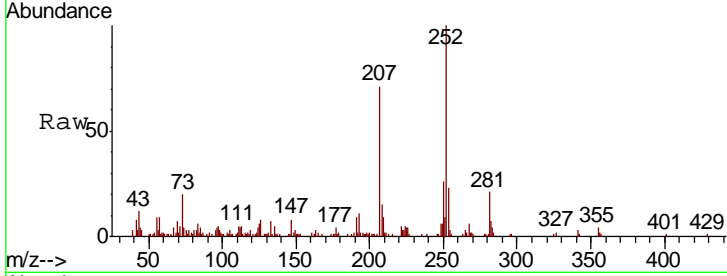




#90
 Benzo(a)pyrene
 Concen: 7.526 ng
 RT: 23.26 min Scan# 3447
 Delta R.T. -0.01 min
 Lab File: BM022413.D
 Acq: 29 Aug 2019 18:21

Instrument :
 BNA_G
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	5.8	3.8	5.8#



#92
 Benzo(g,h,i)perylene
 Concen: 7.672 ng
 RT: 26.20 min Scan# 3947
 Delta R.T. -0.01 min
 Lab File: BM022413.D
 Acq: 29 Aug 2019 18:21

Tgt Ion	Resp	Lower	Upper
276	100		
277	24.8	19.4	29.0
138	13.5	8.8	13.2#

