

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052720\
 Data File : BG045484.D
 Acq On : 27 May 2020 20:18
 Operator : CG/JU
 Sample : L2744-19
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NM38-COMP-2020-0-6

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Quant Time: May 28 01:32:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 27 13:40:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	101893	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	401410	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	270136	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	556366	20.00	ng	0.00
76) Chrysene-d12	21.61	240	494336	20.00	ng	0.00
87) Perylene-d12	24.76	264	536161	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	363470	69.71	ng	0.00
7) Phenol-d6	7.17	99	557819	75.17	ng	0.00
23) Nitrobenzene-d5	9.12	82	399093	54.22	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	259994	75.26	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	936047	58.78	ng	0.00
79) Terphenyl-d14	19.96	244	1262367	59.56	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	14.05	163	170585	9.205	ng	100
71) Phenanthrene	17.39	178	251974	10.374	ng	97
72) Anthracene	17.48	178	51000	2.091	ng	96
75) Fluoranthene	19.40	202	322864	10.451	ng	99
78) Pyrene	19.76	202	283104	10.047	ng	98
81) Benzo(a)anthracene	21.59	228	140884	5.116	ng	97
83) Chrysene	21.65	228	138357	5.225	ng	96
86) Indeno(1,2,3-cd)pyrene	28.32	276	83540	2.413	ng	# 90
88) Benzo(b)fluoranthene	23.77	252	167283	5.818	ng	98
89) Benzo(k)fluoranthene	23.82	252	57238m	2.119	ng	
90) Benzo(a)pyrene	24.61	252	123830	4.624	ng	98
92) Benzo(a,h,i)perylene	29.44	276	77588	2.883	ng	97

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

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ALS Vial : 13 Sample Multiplier: 1

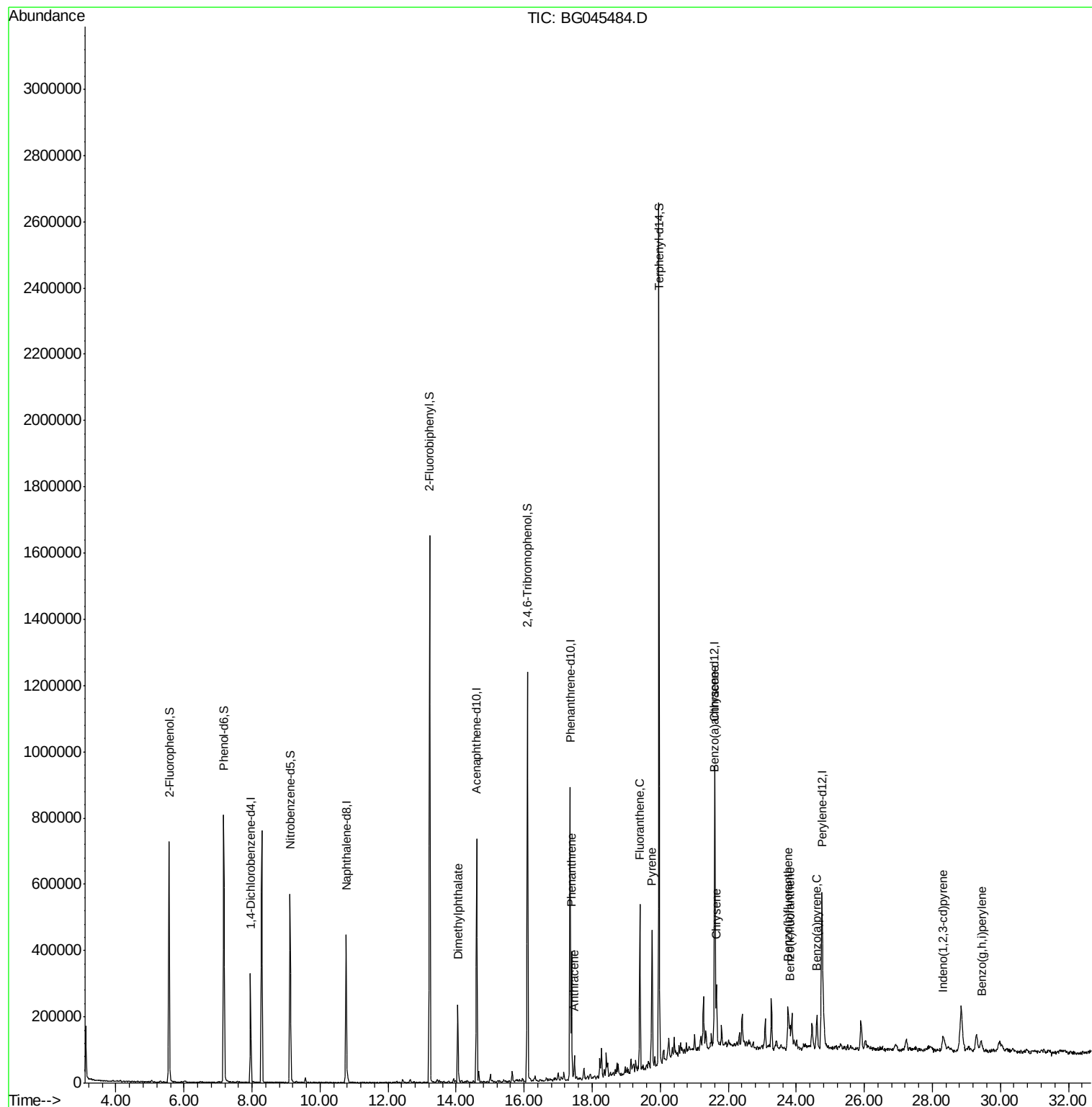
Instrument :
BNA_G
ClientSampleId :
NM38-COMP-2020-0-6

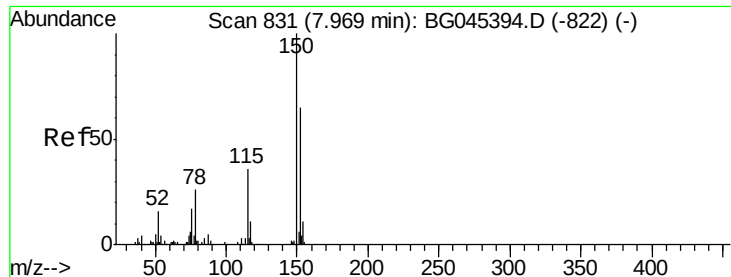
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
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QLast Update : Wed May 27 13:40:45 2020
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 830
Delta R.T. 0.01 min
Lab File: BG045484.D
Acq: 27 May 2020 20:18

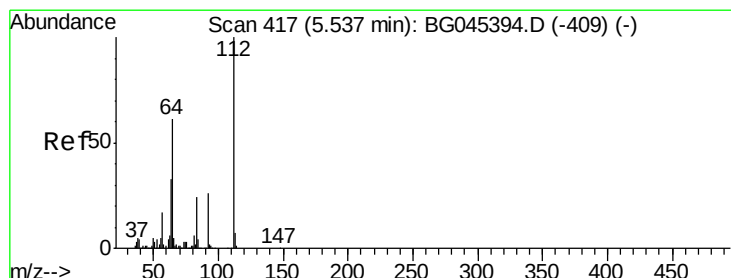
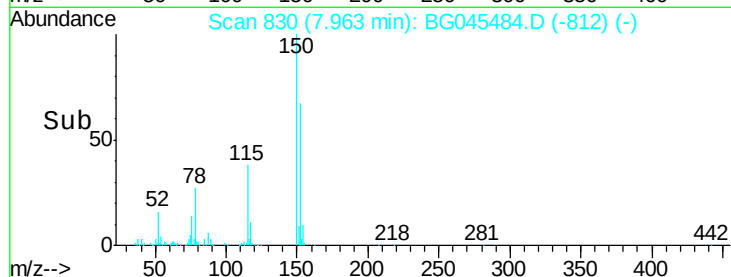
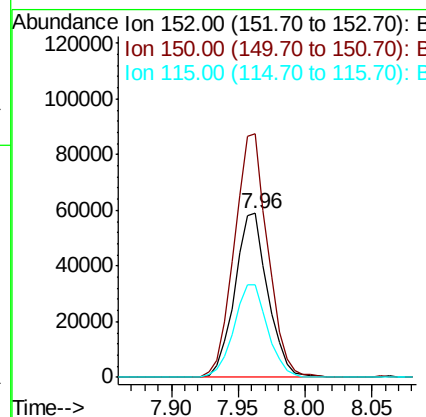
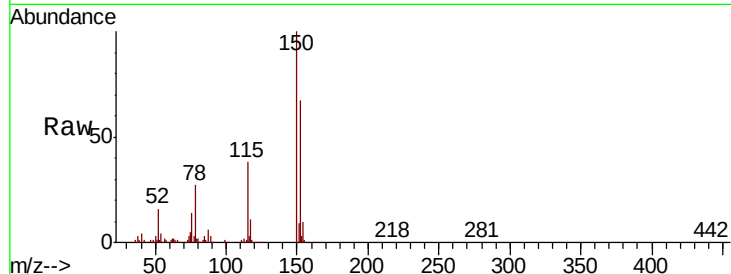
Instrument :
BNA_G
ClientSampleId :
NM38-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.3	122.4	183.6
115	56.7	44.2	66.4

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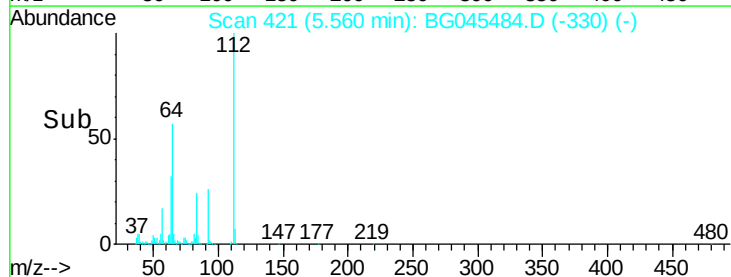
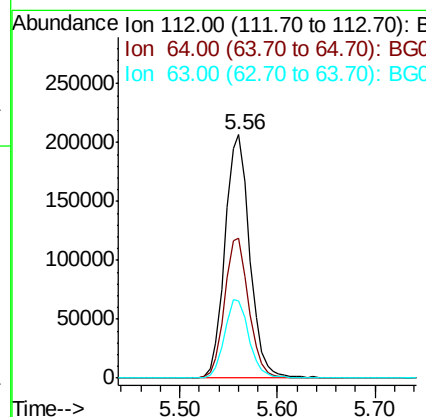
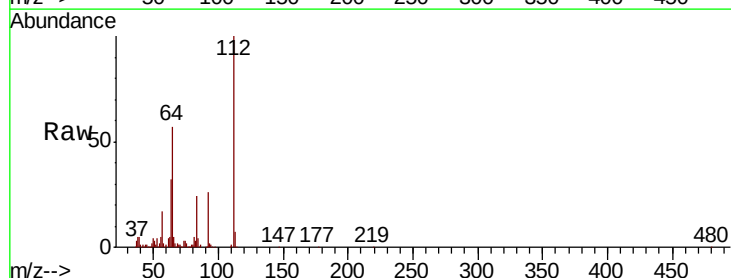
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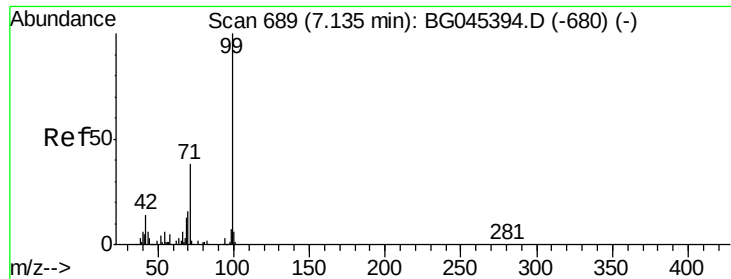


#5

2-Fluorophenol
Concen: 69.713 ng
RT: 5.56 min Scan# 421
Delta R.T. 0.01 min
Lab File: BG045484.D
Acq: 27 May 2020 20:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	48.6	72.8
63	31.7	26.5	39.7





#7

Phenol-d6

Concen: 75.170 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.00 min

Lab File: BG045484.D

Acq: 27 May 2020 20:18

Instrument :

BNA_G

ClientSampleId :

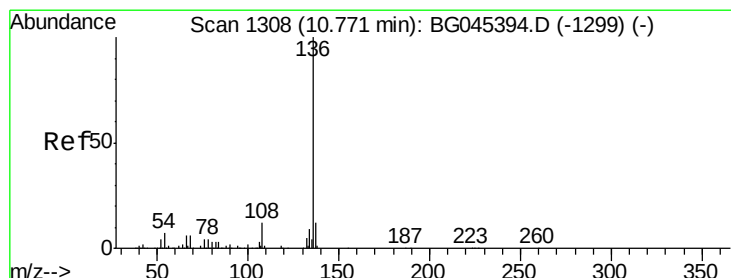
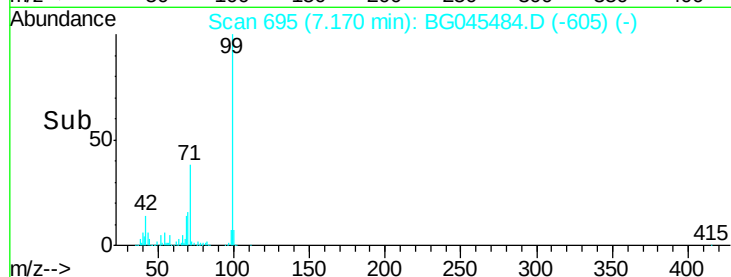
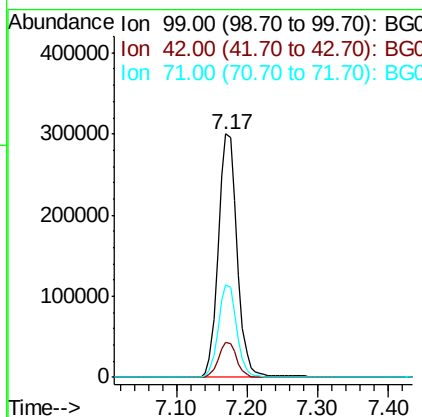
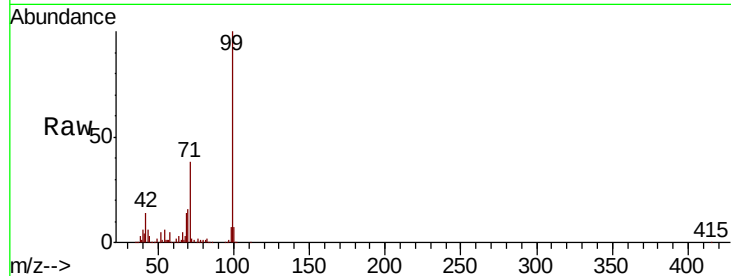
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Tot Ion:	99	Resp:	557819
Ion Ratio	Lower	Upper	
99	100		
42	14.4	11.3	16.9
71	38.0	30.8	46.2

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#21

Naphthalene-d8

Concen: 20.000 ng

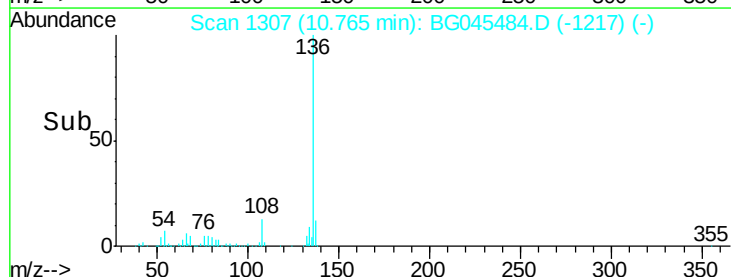
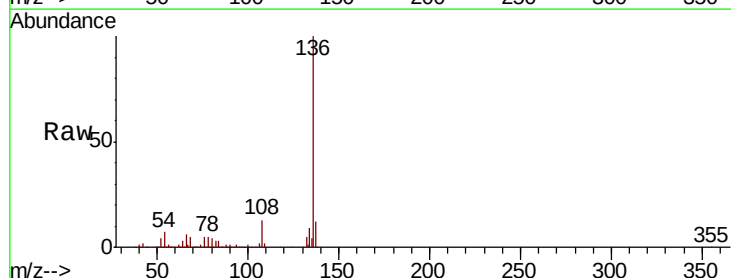
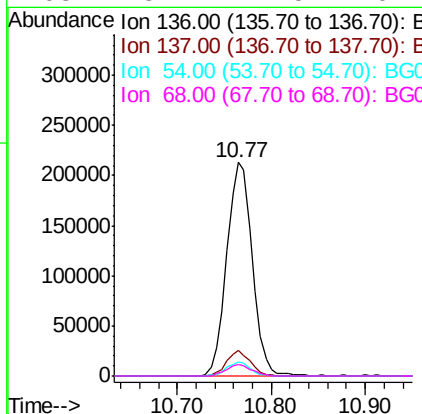
RT: 10.77 min Scan# 1307

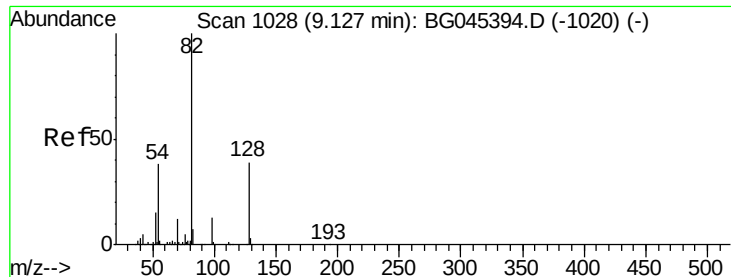
Delta R.T. -0.00 min

Lab File: BG045484.D

Acq: 27 May 2020 20:18

Tgt Ion:	136	Resp:	401410
Ion Ratio	Lower	Upper	
136	100		
137	11.7	9.4	14.2
54	6.8	5.8	8.6
68	5.2	4.5	6.7





#23
 Nitrobenzene-d5
 Concen: 54.217 ng
 RT: 9.12 min Scan# 1027
 Delta R.T. -0.00 min
 Lab File: BG045484.D
 Acq: 27 May 2020 20:18

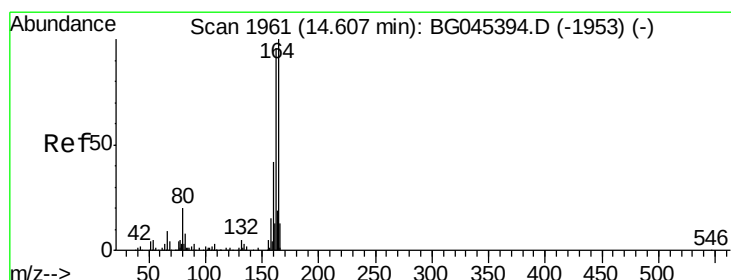
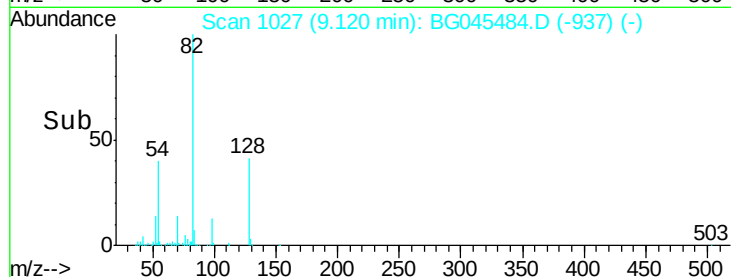
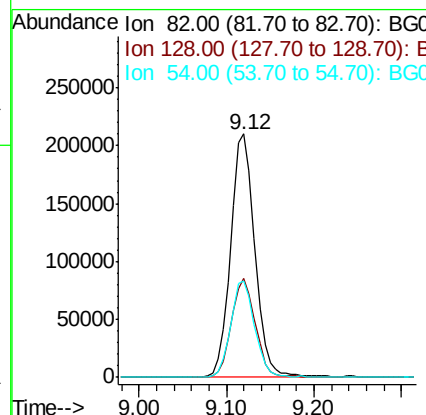
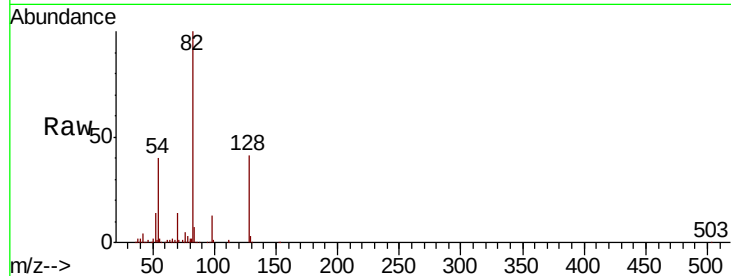
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 ClientSampleId :
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Tot Ion:	82	Resp:	399093
Ion Ratio	Lower	Upper	
82	100		
128	40.9	30.9	46.3
54	39.8	30.3	45.5

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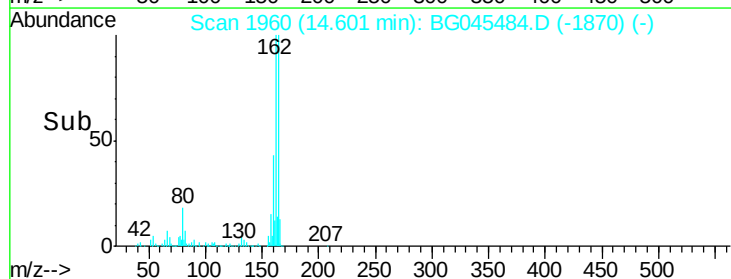
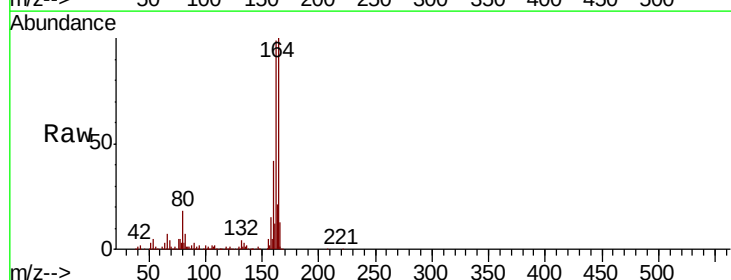
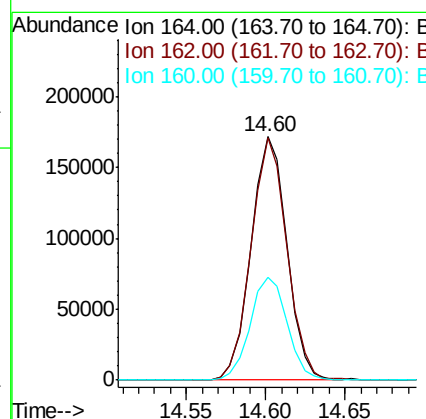
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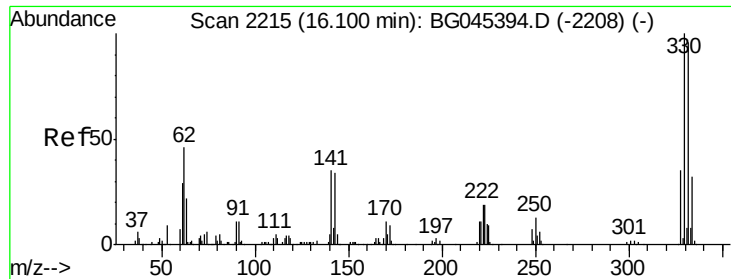
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.60 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: BG045484.D
 Acq: 27 May 2020 20:18

Tgt Ion:	164	Resp:	270136
Ion Ratio	Lower	Upper	
164	100		
162	99.4	76.9	115.3
160	42.4	33.8	50.8





#42
 2,4,6-Tribromophenol
 Concen: 75.257 ng
 RT: 16.10 min Scan# 2215
 Delta R.T. -0.00 min
 Lab File: BG045484.D
 Acq: 27 May 2020 20:18

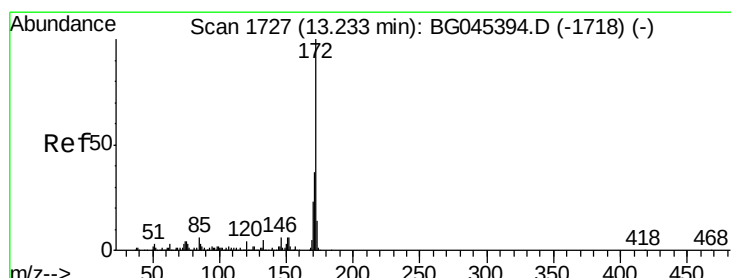
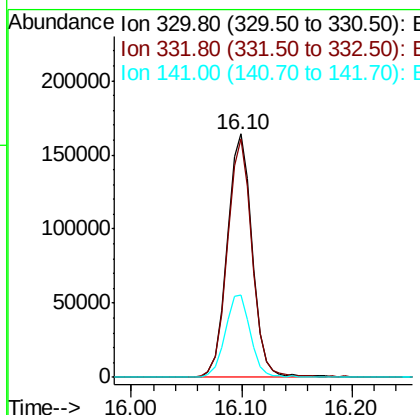
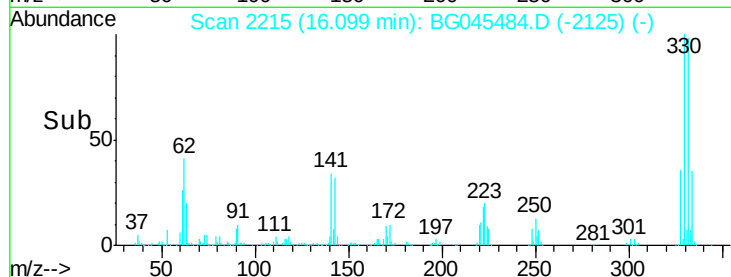
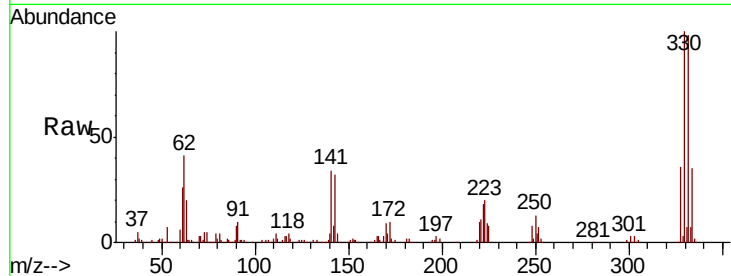
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 BNA_G
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 NM38-COMP-2020-0-6

Tot Ion	Ratio	Resp	Lower	Upper
330	100	259994		
332	96.9		78.2	117.4
141	34.2		28.2	42.4

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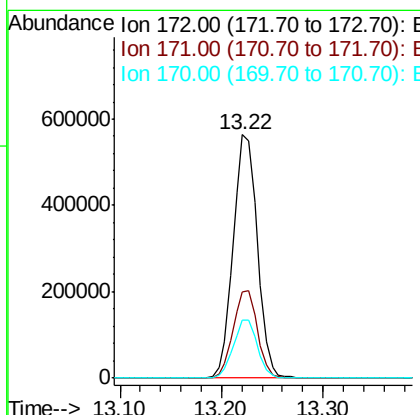
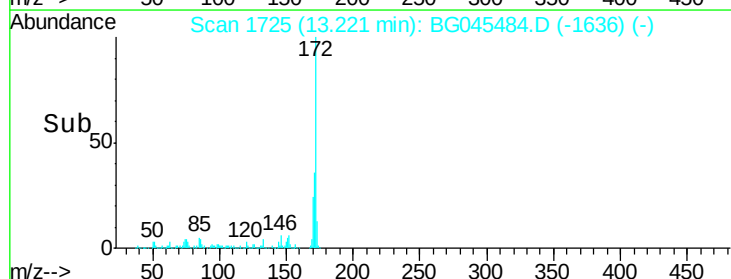
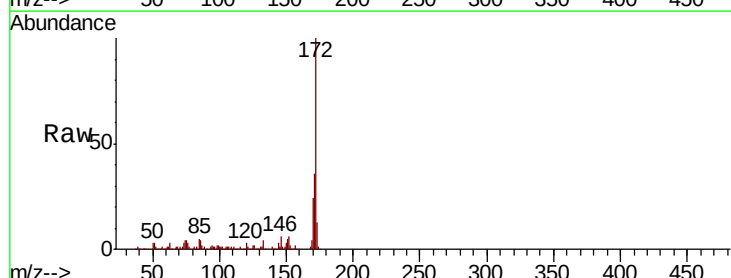
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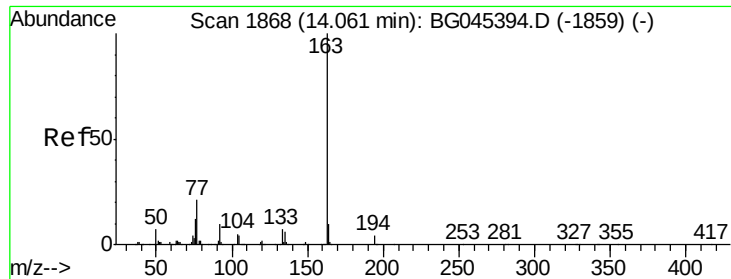
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#45
 2-Fluorobiphenyl
 Concen: 58.775 ng
 RT: 13.22 min Scan# 1725
 Delta R.T. -0.01 min
 Lab File: BG045484.D
 Acq: 27 May 2020 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	936047		
171	35.5		29.5	44.3
170	24.0		18.5	27.7





#50
Dimethylphthalate
Concen: 9.205 ng
RT: 14.05 min Scan# 1866
Delta R.T. -0.01 min
Lab File: BG045484.D
Acq: 27 May 2020 20:18

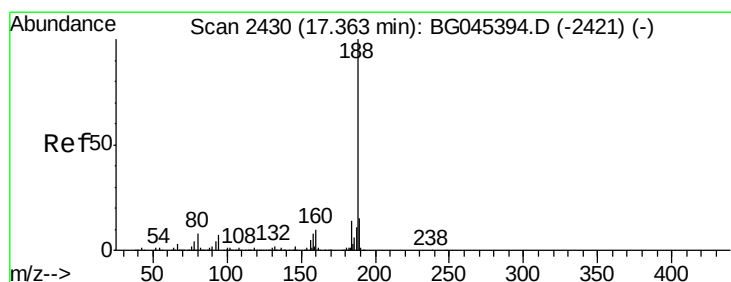
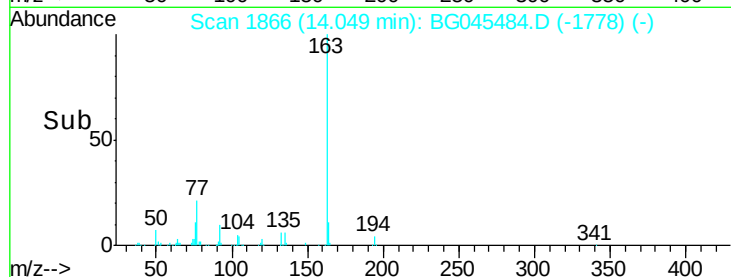
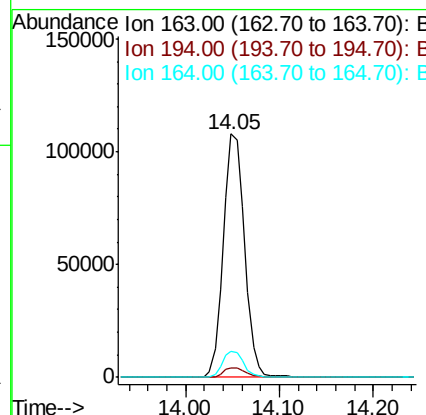
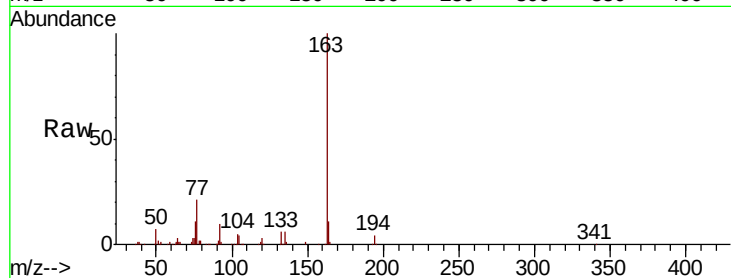
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ClientSampleId :
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Tot Ion:	163	Resp:	170585
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.2	4.8
164	10.6	8.3	12.5

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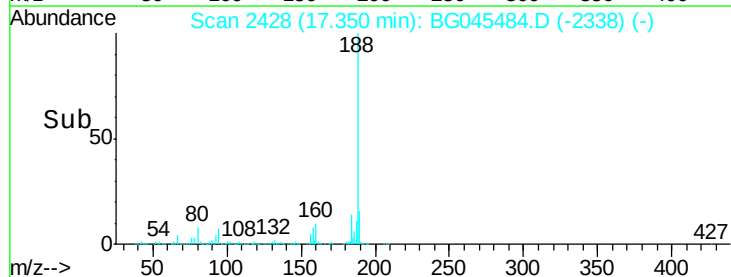
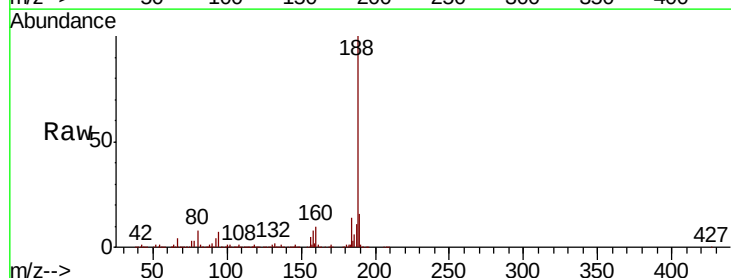
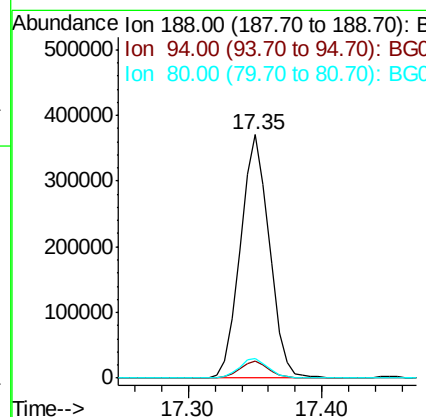
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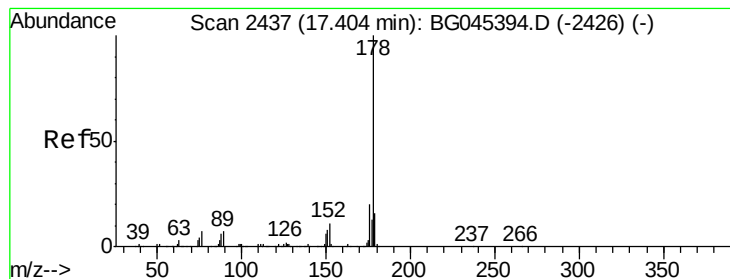
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.35 min Scan# 2428
Delta R.T. -0.00 min
Lab File: BG045484.D
Acq: 27 May 2020 20:18

Tgt Ion:	188	Resp:	556366
Ion Ratio	Lower	Upper	
188	100		
94	6.8	5.5	8.3
80	7.8	6.6	10.0





#71

Phenanthrene

Concen: 10.374 ng

RT: 17.39 min Scan# 2435

Delta R.T. -0.00 min

Lab File: BG045484.D

Acq: 27 May 2020 20:18

Instrument :

BNA_G

ClientSampleId :

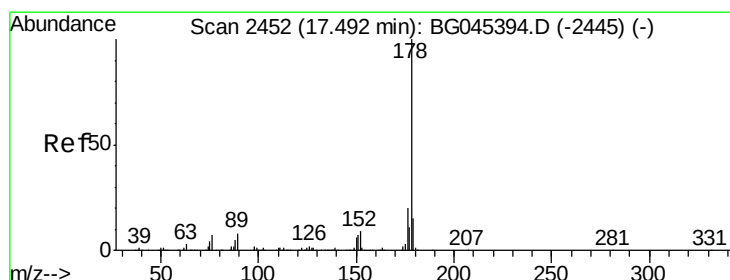
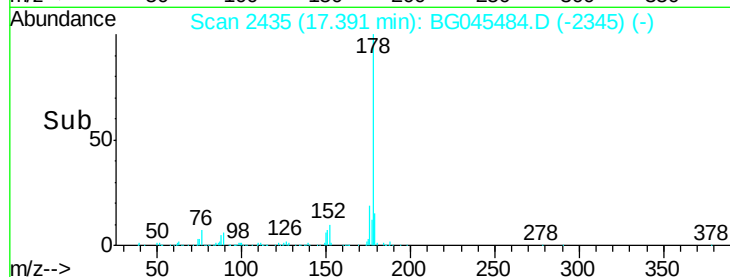
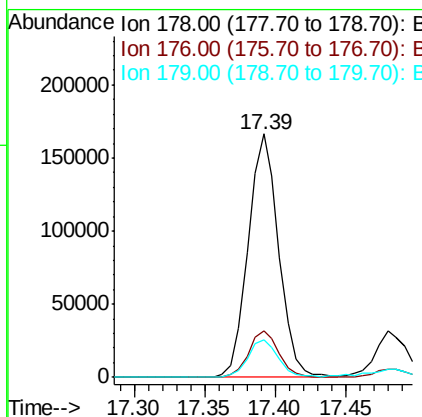
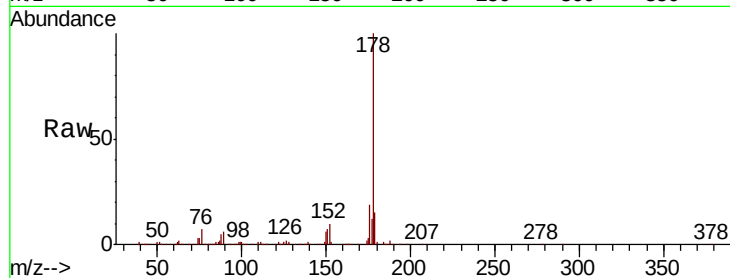
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Tot Ion:	178	Resp:	251974
Ion Ratio	Lower	Upper	
178	100		
176	18.9	16.2	24.4
179	15.2	13.1	19.7

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#72

Anthracene

Concen: 2.091 ng

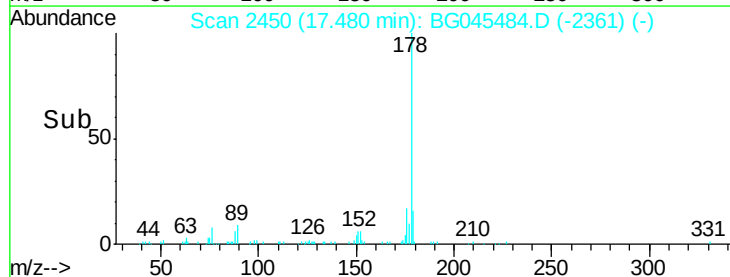
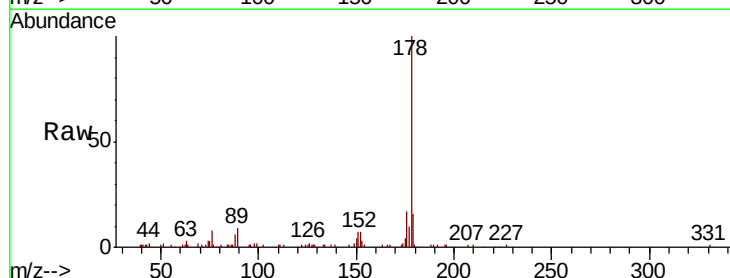
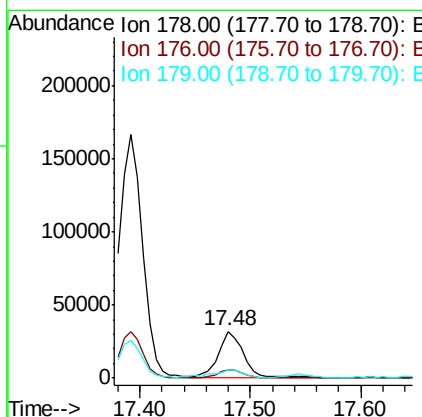
RT: 17.48 min Scan# 2450

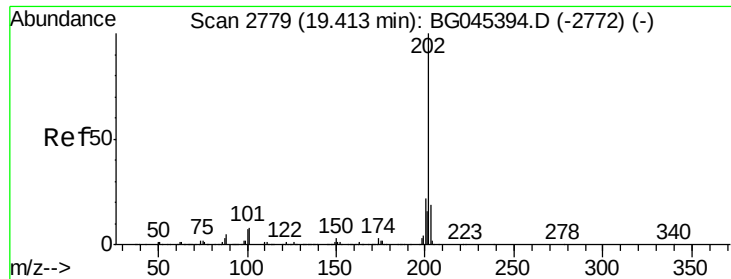
Delta R.T. -0.01 min

Lab File: BG045484.D

Acq: 27 May 2020 20:18

Tgt Ion:	178	Resp:	51000
Ion Ratio	Lower	Upper	
178	100		
176	17.0	15.8	23.6
179	16.1	12.2	18.4





#75

Fluoranthene

Concen: 10.451 ng

RT: 19.40 min Scan# 2777

Delta R.T. -0.00 min

Lab File: BG045484.D

Acq: 27 May 2020 20:18

Instrument :

BNA_G

ClientSampleId :

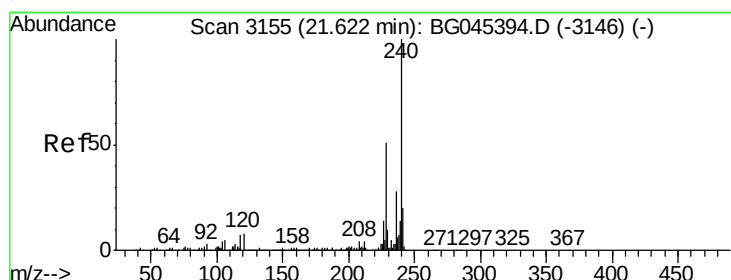
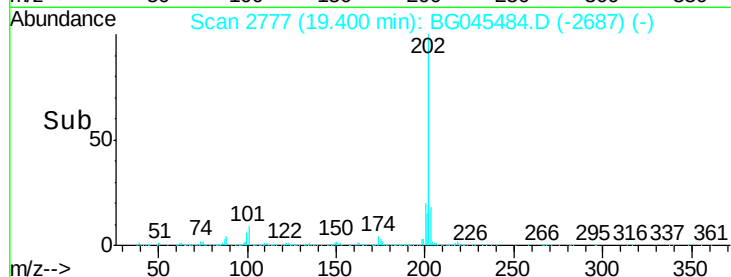
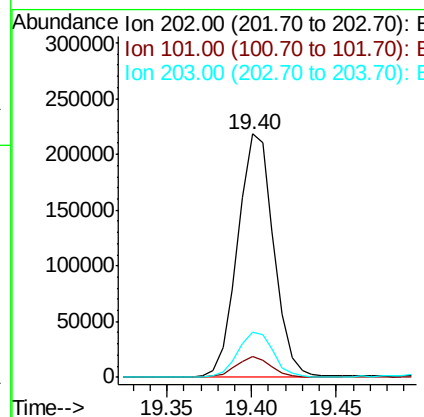
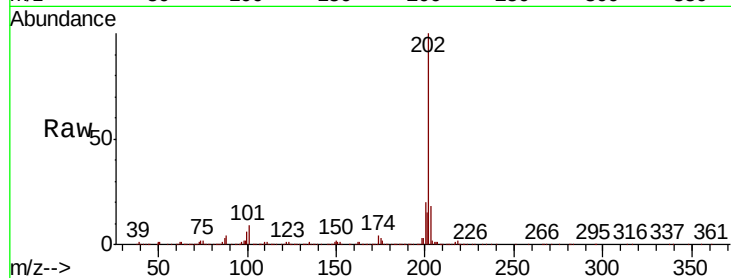
NM38-COMP-2020-0-6

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		322864		
101	8.8	0.0	28.3		
203	18.5	0.0	39.0		

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#76

Chrysene-d12

Concen: 20.000 ng

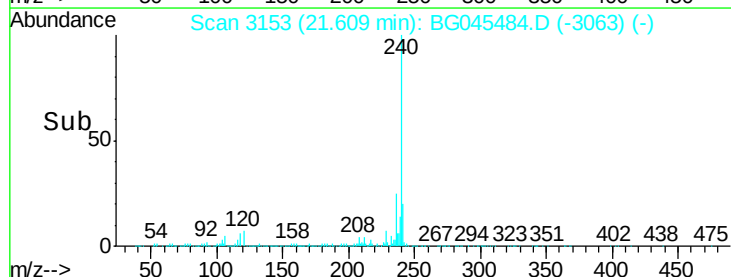
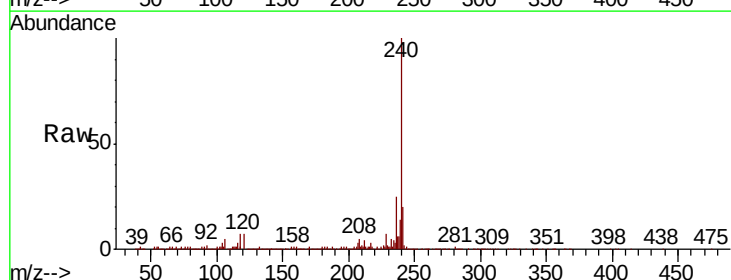
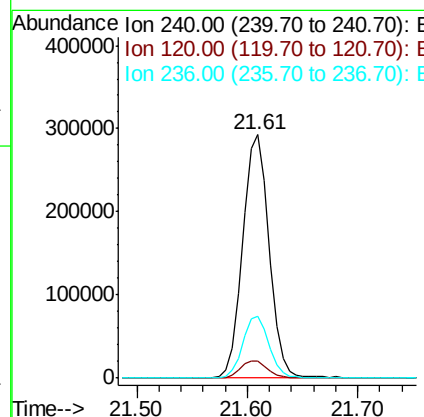
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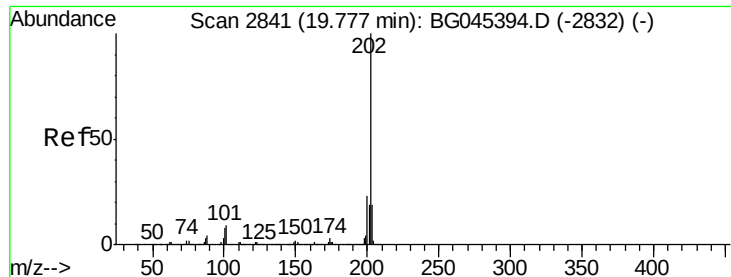
Delta R.T. -0.00 min

Lab File: BG045484.D

Acq: 27 May 2020 20:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		494336		
120	7.0	6.1	9.1		
236	25.3	22.3	33.5		





#78

Pvrene

Concen: 10.047 ng

RT: 19.76 min Scan# 2839

Delta R.T. -0.00 min

Lab File: BG045484.D

Acq: 27 May 2020 20:18

Instrument :

BNA_G

ClientSampleId :

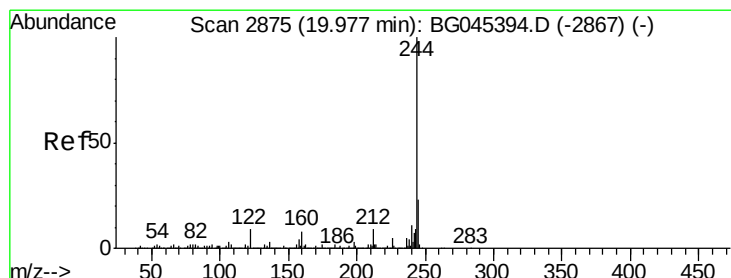
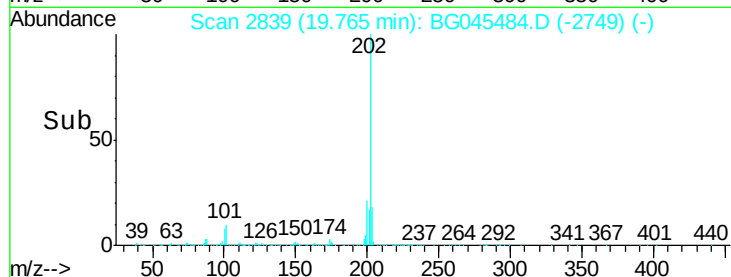
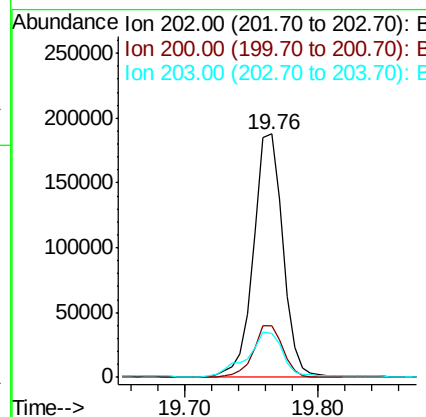
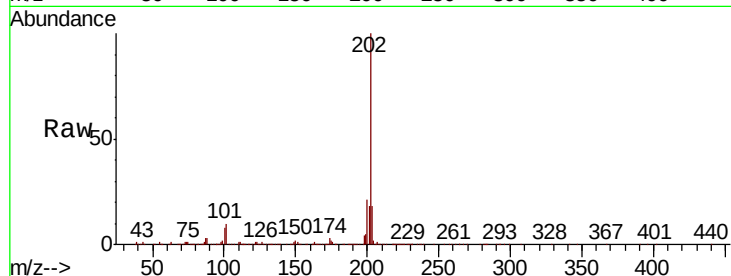
NM38-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	18.2	27.2
203	17.9	15.1	22.7

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#79

Terphenyl-d14

Concen: 59.559 ng

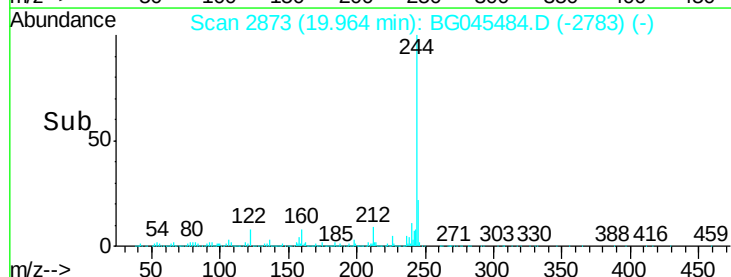
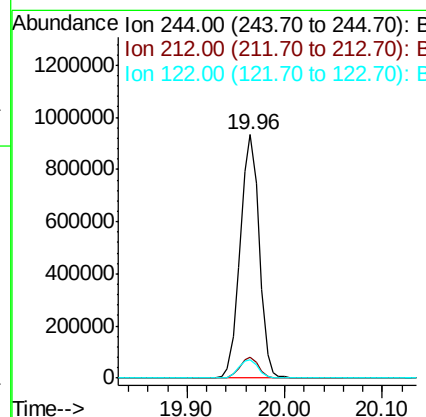
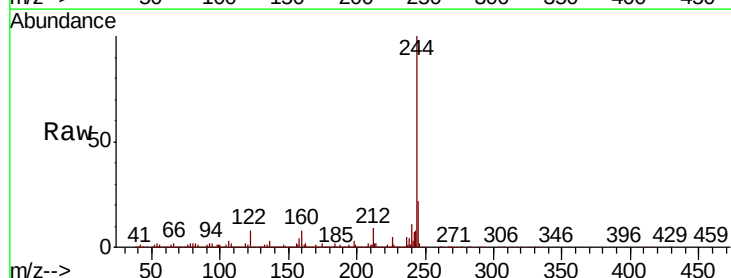
RT: 19.96 min Scan# 2873

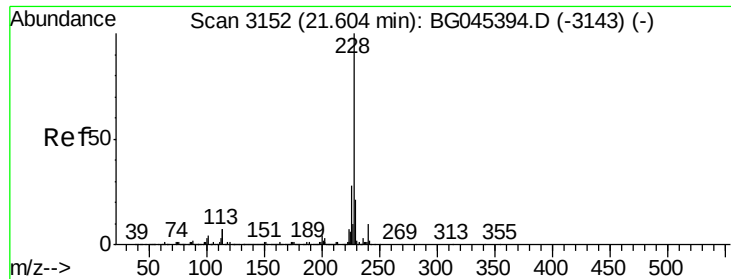
Delta R.T. -0.00 min

Lab File: BG045484.D

Acq: 27 May 2020 20:18

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.8	7.4	11.0
122	7.7	6.8	10.2





#81

Benzo(a)anthracene

Concen: 5.116 ng

RT: 21.59 min Scan# 3150

Delta R.T. -0.00 min

Lab File: BG045484.D

Acq: 27 May 2020 20:18

Instrument :

BNA_G

ClientSampleId :

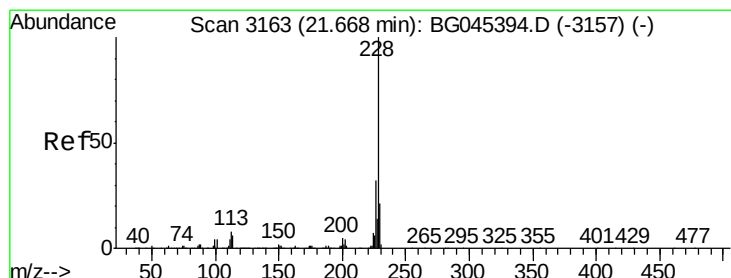
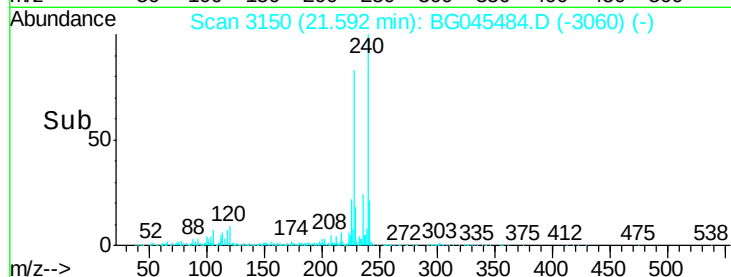
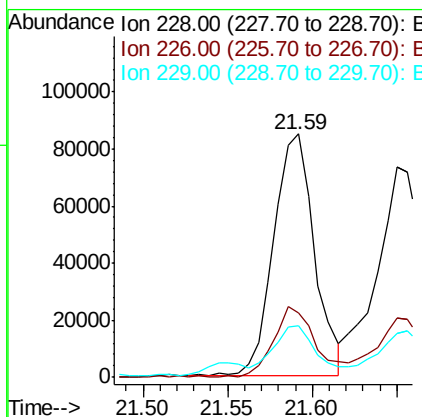
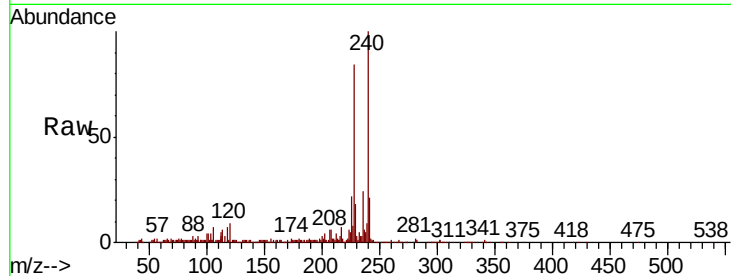
NM38-COMP-2020-0-6

Tot Ion:	228	Resp:	140884
Ion Ratio	Lower	Upper	
228	100		
226	26.5	22.7	34.1
229	21.4	16.7	25.1

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#83

Chrysene

Concen: 5.225 ng

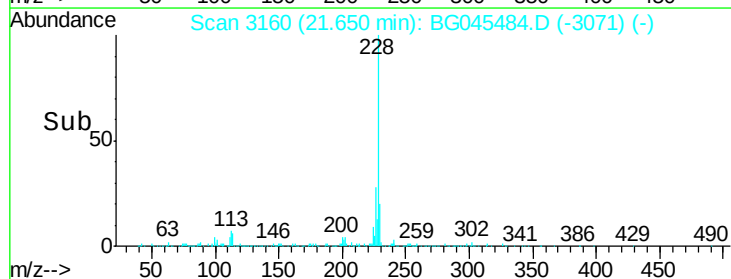
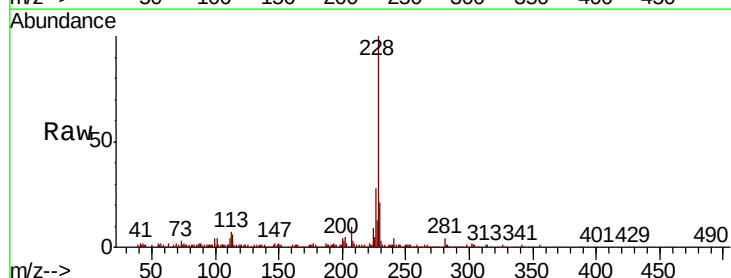
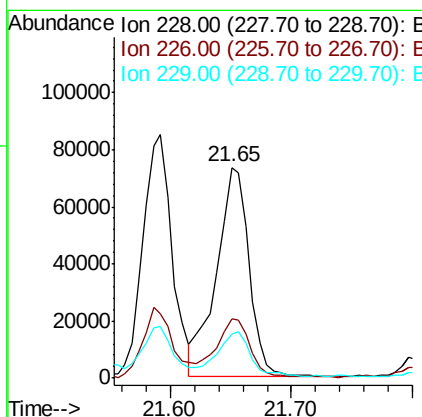
RT: 21.65 min Scan# 3160

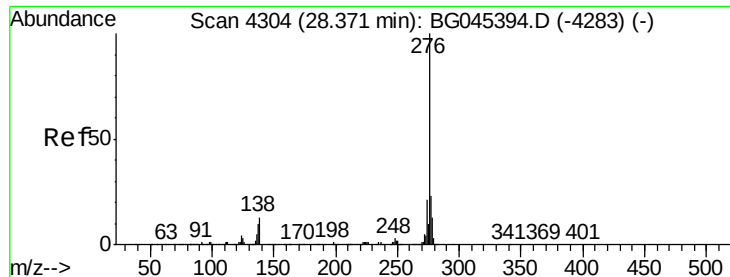
Delta R.T. -0.01 min

Lab File: BG045484.D

Acq: 27 May 2020 20:18

Tgt Ion:	228	Resp:	138357
Ion Ratio	Lower	Upper	
228	100		
226	28.3	25.2	37.8
229	20.7	16.7	25.1





#86
Indeno(1,2,3-cd)pyrene
Concen: 2.413 ng
RT: 28.32 min Scan# 4296
Delta R.T. -0.00 min
Lab File: BG045484.D
Acq: 27 May 2020 20:18

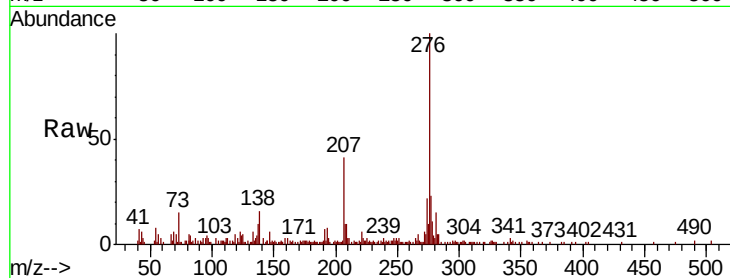
Instrument :
BNA_G
ClientSampleId :
NM38-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
276	100		
138	1.7	8.6	12.8#
277	23.6	20.2	30.4

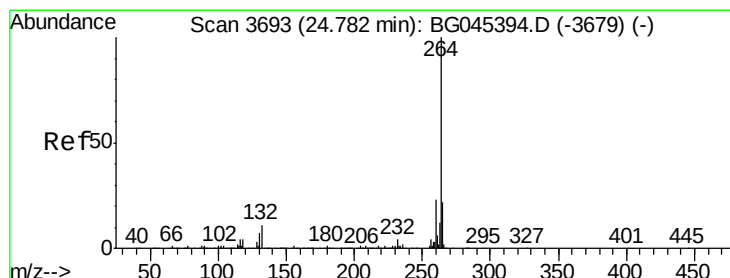
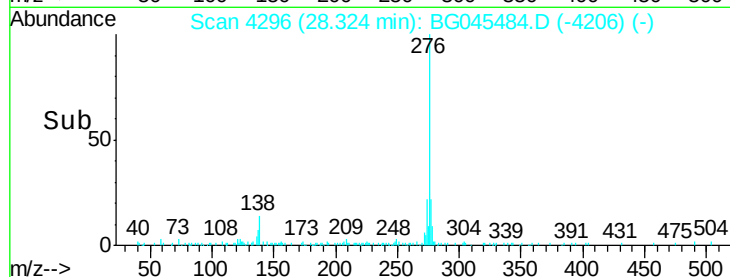
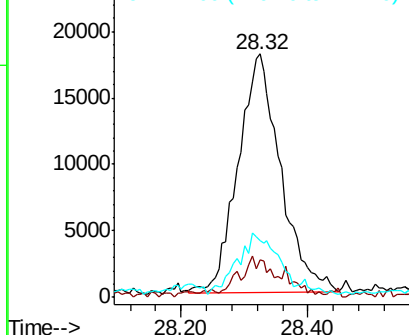
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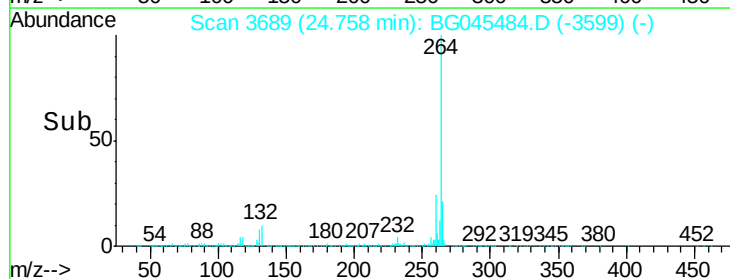
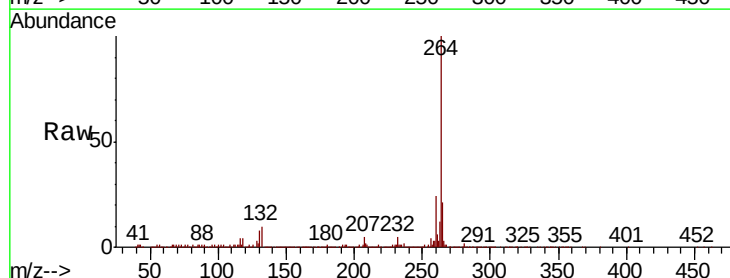
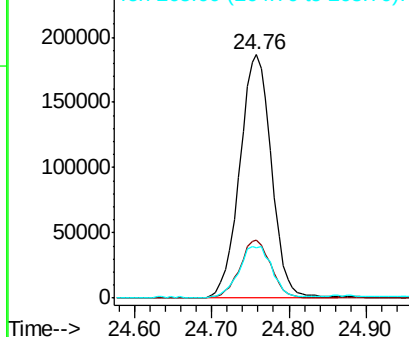
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

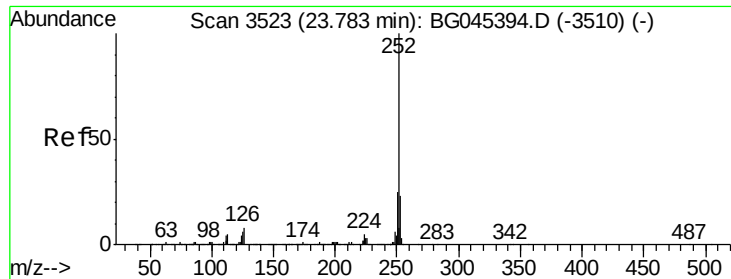


#87
Perylene-d12
Concen: 20.000 ng
RT: 24.76 min Scan# 3689
Delta R.T. -0.00 min
Lab File: BG045484.D
Acq: 27 May 2020 20:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.2	27.4
265	20.9	17.6	26.4

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: 5.818 ng
RT: 23.77 min Scan# 3520
Delta R.T. 0.01 min
Lab File: BG045484.D
Acq: 27 May 2020 20:18

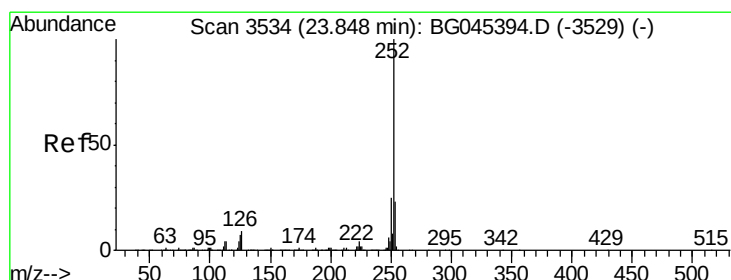
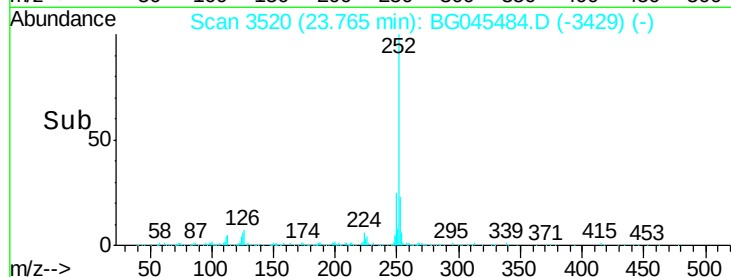
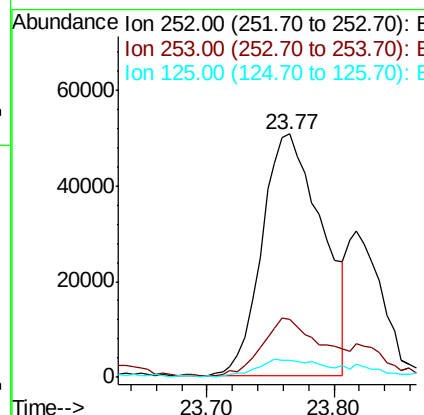
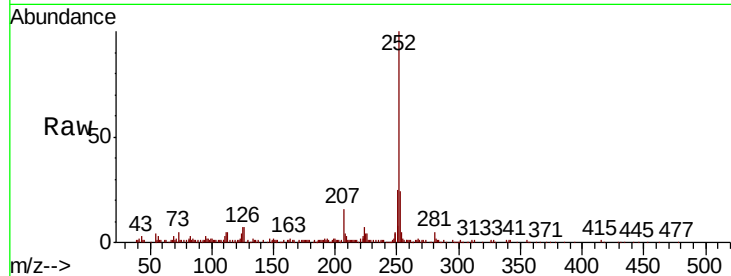
Instrument :
BNA_G
ClientSampleId :
NM38-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	6.9	5.0	7.6

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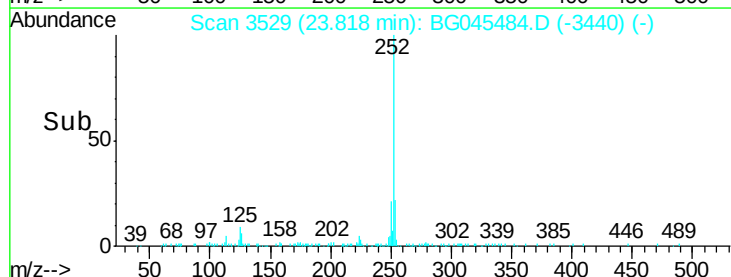
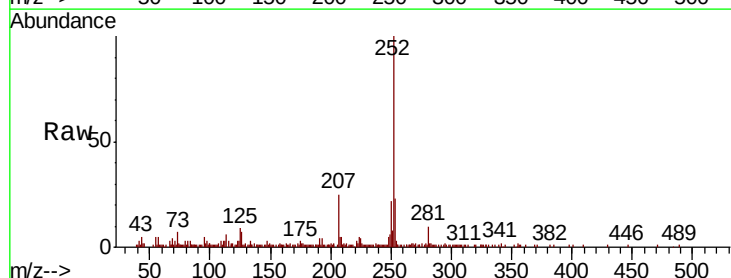
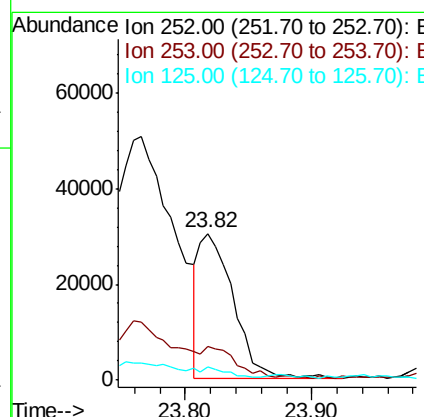
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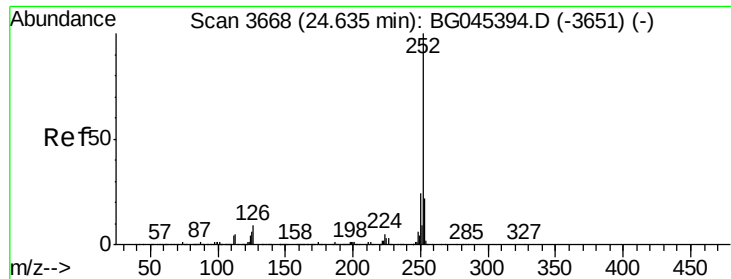
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#89
Benzo(k)fluoranthene
Concen: 2.119 ng m
RT: 23.82 min Scan# 3529
Delta R.T. -0.01 min
Lab File: BG045484.D
Acq: 27 May 2020 20:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.4	27.6
125	9.2	5.7	8.5#





#90
Benzo(a)pyrene
Concen: 4.624 ng
RT: 24.61 min Scan# 3663
Delta R.T. -0.01 min
Lab File: BG045484.D
Acq: 27 May 2020 20:18

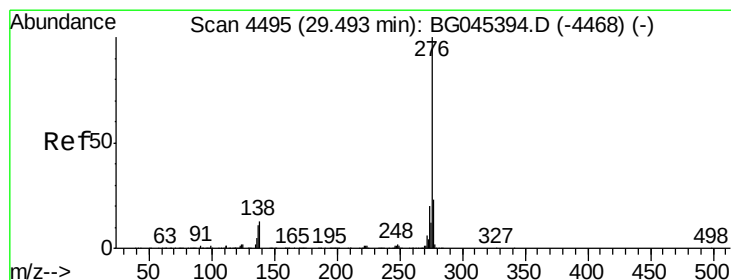
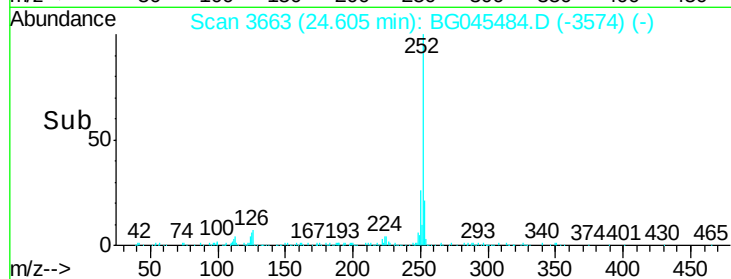
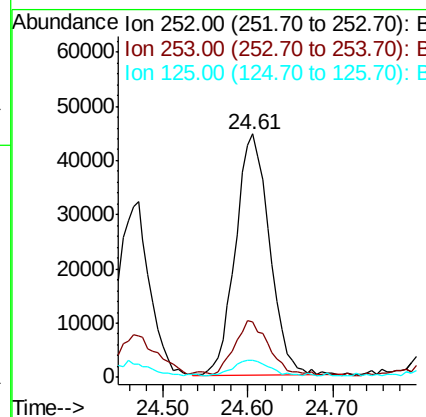
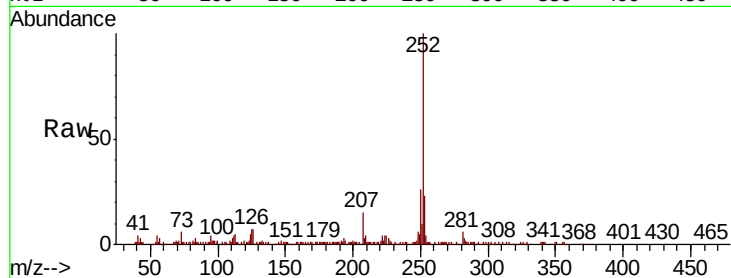
Instrument :
BNA_G
ClientSampleId :
NM38-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	6.8	5.0	7.6

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#92
Benzo(g,h,i)perylene
Concen: 2.883 ng
RT: 29.44 min Scan# 4486
Delta R.T. -0.01 min
Lab File: BG045484.D
Acq: 27 May 2020 20:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.1	27.1
138	13.9	10.2	15.4

