

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG040820\
 Data File : BG044977.D
 Acq On : 8 Apr 2020 15:18
 Operator : CG/JU
 Sample : L2129-36DL 20X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-6DL

Manual Integrations
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Quant Time: Apr 08 16:01:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 08 13:01:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	98963	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	420163	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	289357	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	590794	20.00	ng	0.00
76) Chrysene-d12	21.69	240	502664	20.00	ng	0.00
87) Perylene-d12	24.89	264	558602	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	47270	7.44	ng	0.00
7) Phenol-d6	7.19	99	70872	7.67	ng	-0.01
23) Nitrobenzene-d5	9.20	82	48420	5.06	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	31291	8.26	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	118306	5.85	ng	0.00
79) Terphenyl-d14	20.02	244	151763	5.65	ng	0.00

Target Compounds				Qvalue		
52) Acenaphthene	14.74	154	91805	5.065	ng	98
55) Dibenzofuran	15.07	168	149079	5.672	ng	99
58) Fluorene	15.72	166	150838	6.977	ng	99
71) Phenanthrene	17.46	178	1913684	60.615	ng	97
72) Anthracene	17.55	178	471859	15.157	ng	99
73) Carbazole	17.82	167	276436	9.244	ng	97
75) Fluoranthene	19.47	202	1821184	48.448	ng	97
78) Pyrene	19.83	202	1587196	43.038	ng	98
81) Benzo(a)anthracene	21.67	228	894100	24.702	ng	99
83) Chrysene	21.73	228	816434	23.614	ng	98
86) Indeno(1,2,3-cd)pyrene	28.52	276	357588	7.889	ng	# 97
88) Benzo(b)fluoranthene	23.88	252	884799	23.993	ng	98
89) Benzo(k)fluoranthene	23.94	252	284719m	8.158	ng	
90) Benzo(a)pyrene	24.74	252	640502	18.562	ng	99
91) Dibenzo(a,h)anthracene	28.56	278	108763	3.195	ng	# 87
92) Benzo(g,h,i)perylene	29.66	276	304767	8.861	ng	# 95

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

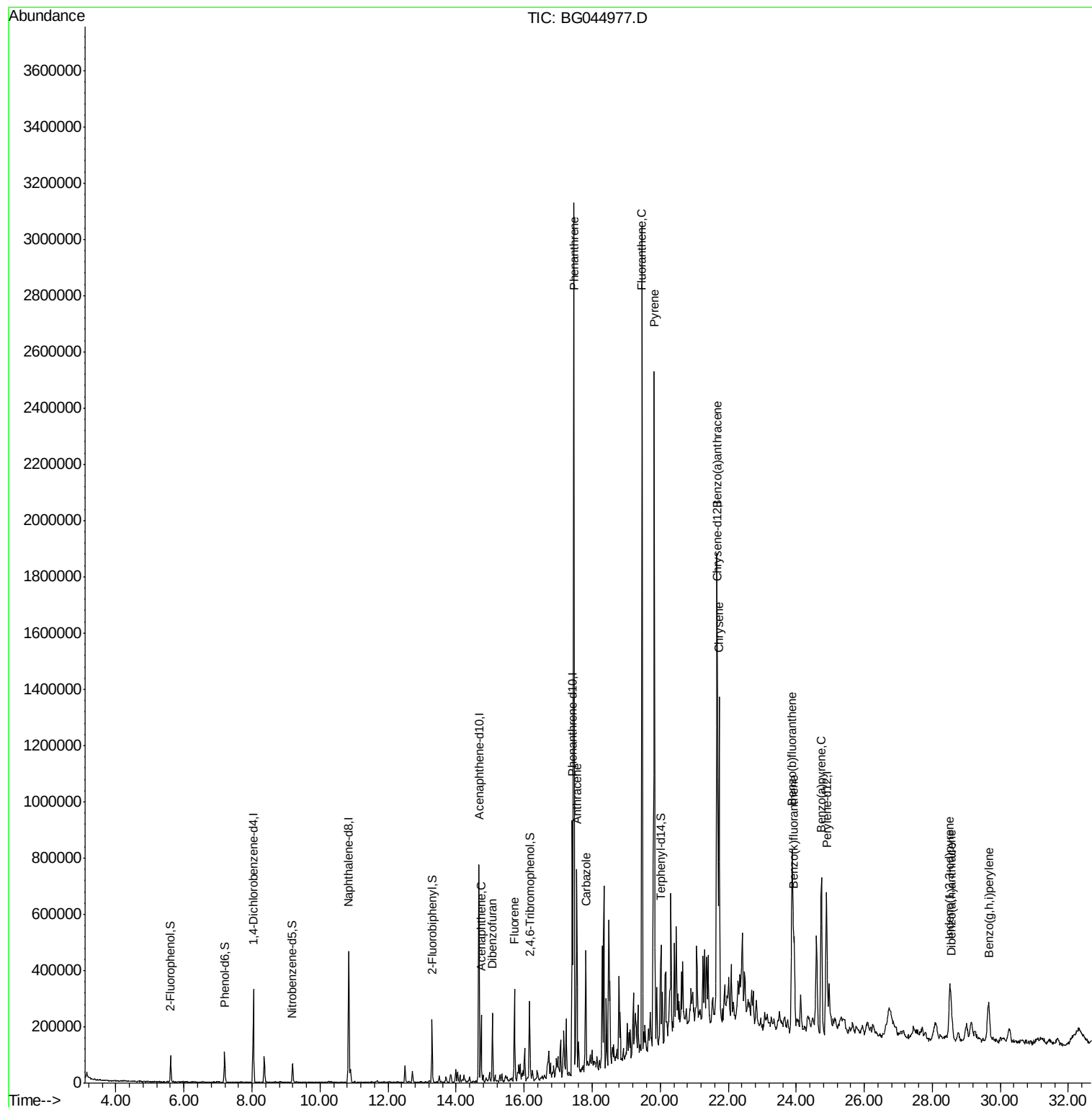
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG040820\
Data File : BG044977.D
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ALS Vial : 7 Sample Multiplier: 1

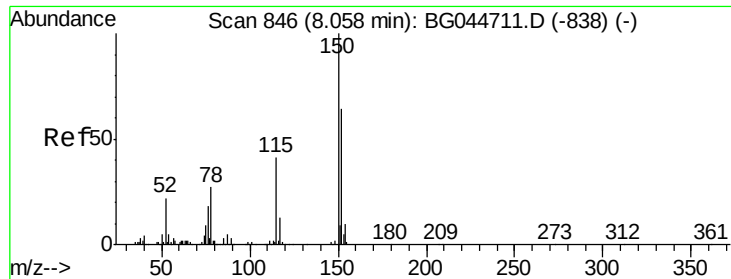
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

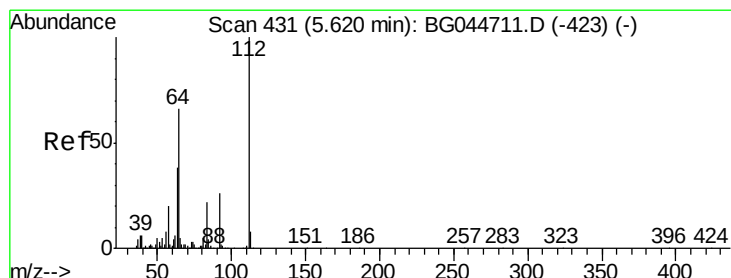
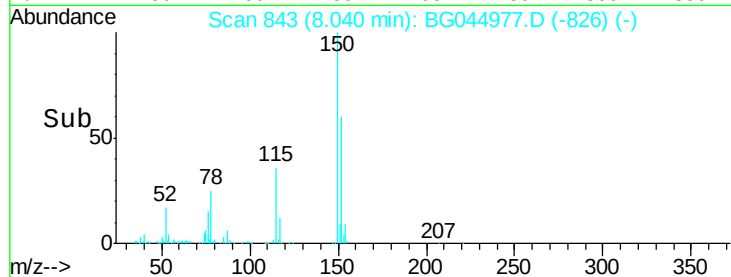
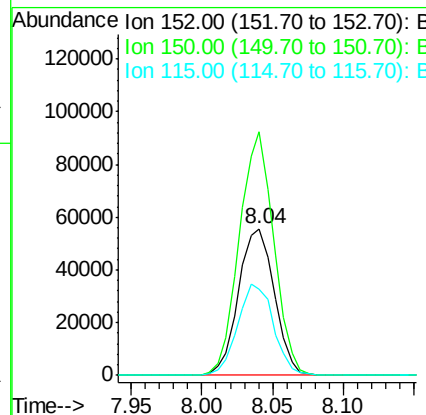
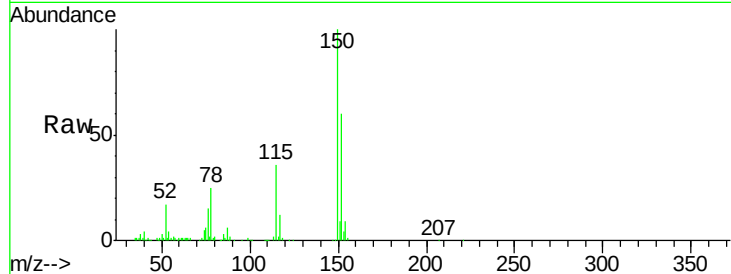
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.00 min
Lab File: BG044977.D
Acq: 8 Apr 2020 15:18

Instrument :
BNA_G
ClientSampleId :
TP-6DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	166.1	128.8	193.2
115	59.0	52.6	79.0

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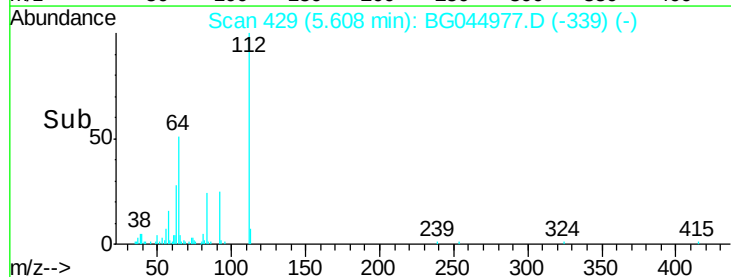
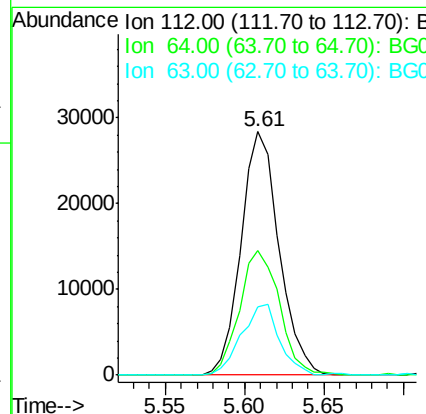
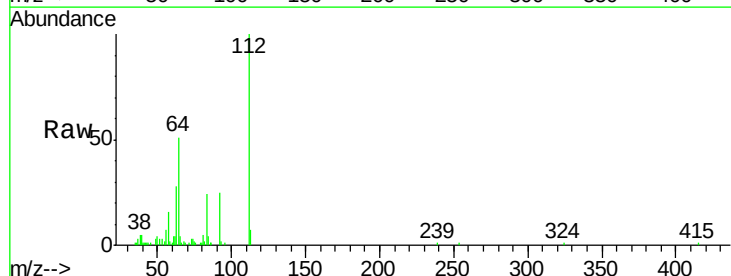
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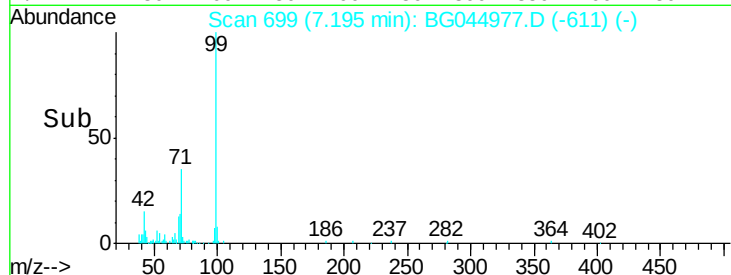
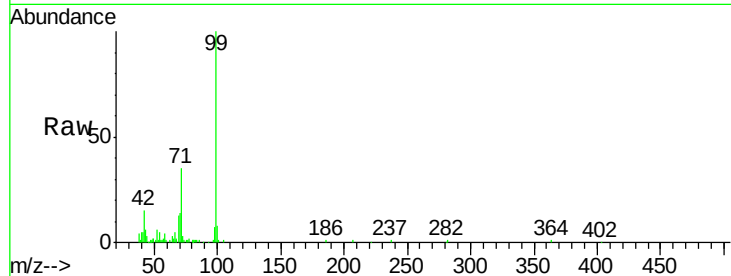
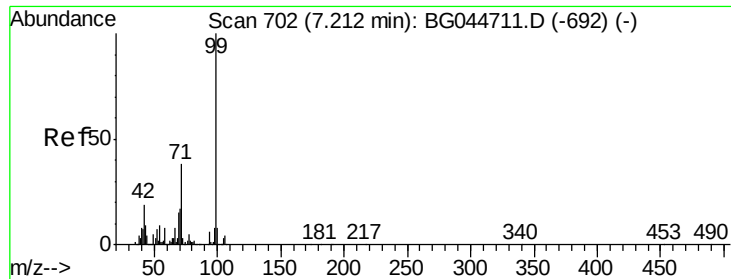


#5

2-Fluorophenol
Concen: 7.436 ng
RT: 5.61 min Scan# 429
Delta R.T. -0.00 min
Lab File: BG044977.D
Acq: 8 Apr 2020 15:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.4	53.4	80.2#
63	28.0	29.4	44.2#





#7

Phenol-d6

Concen: 7.673 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG044977.D

Acq: 8 Apr 2020 15:18

Tot Ion:	99	Resp:	70872
Ion	Ratio	Lower	Upper
99	100		
42	15.0	12.6	19.0
71	34.6	29.0	43.4

Instrument :

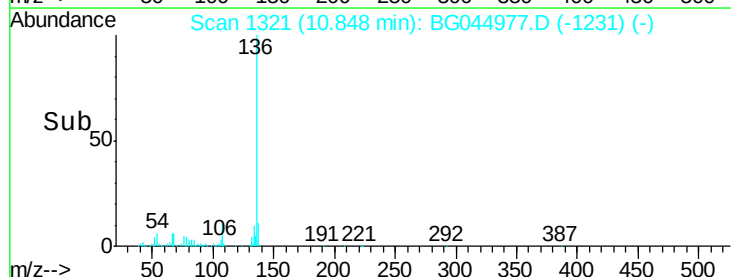
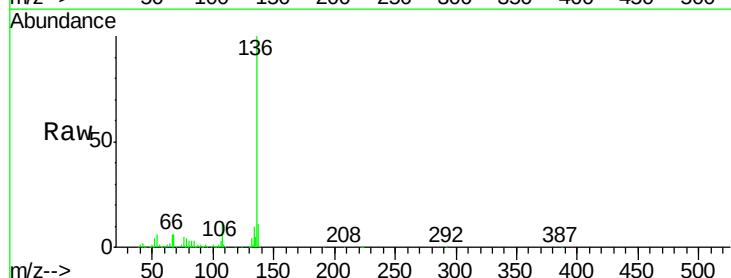
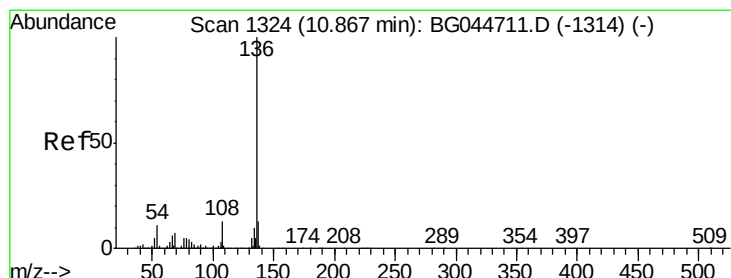
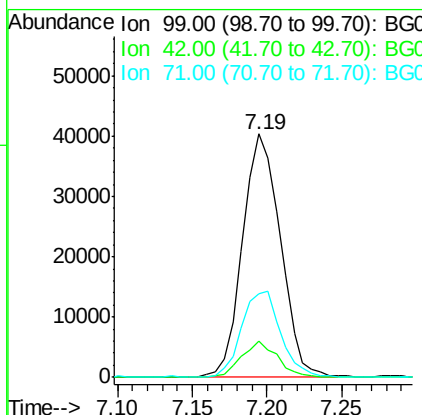
BNA_G

ClientSampled :

TP-6DL

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#21

Naphthalene-d8

Concen: 20.000 ng

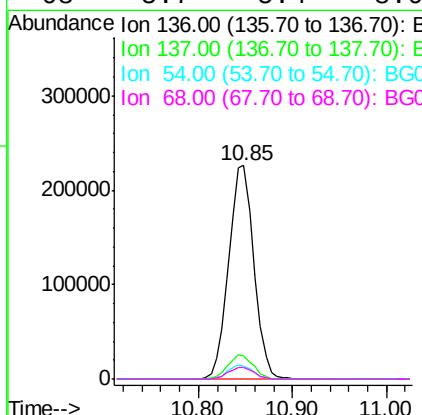
RT: 10.85 min Scan# 1321

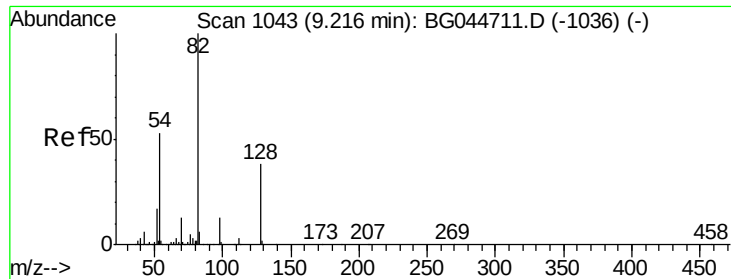
Delta R.T. -0.00 min

Lab File: BG044977.D

Acq: 8 Apr 2020 15:18

Tgt Ion:	136	Resp:	420163
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.8	14.6
54	5.7	7.9	11.9#
68	5.7	5.4	8.0





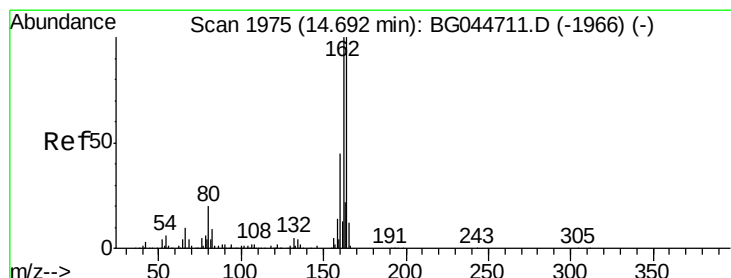
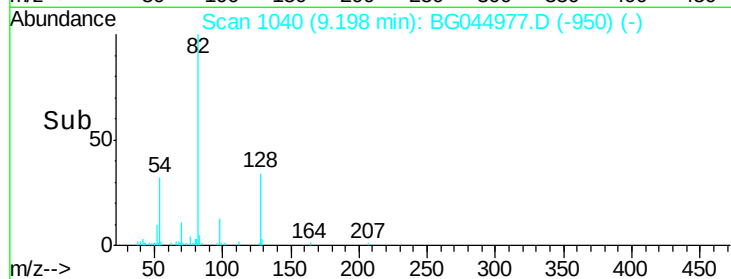
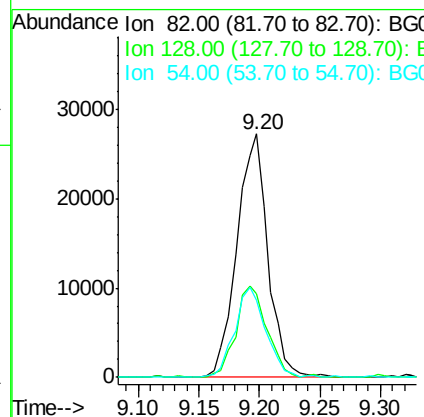
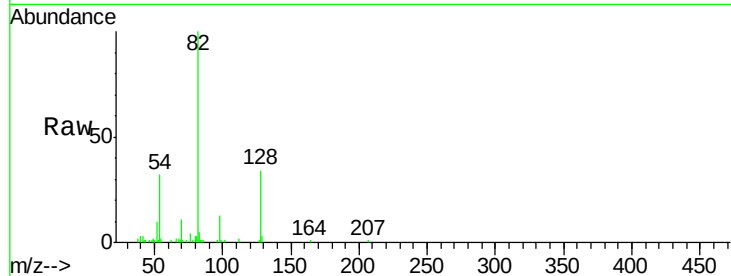
#23
 Nitrobenzene-d5
 Concen: 5.057 ng
 RT: 9.20 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: BG044977.D
 Acq: 8 Apr 2020 15:18

Instrument :
 BNA_G
 ClientSampleId :
 TP-6DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
82	82	100			
128	128	34.4		30.6	46.0
54	54	31.9		37.1	55.7

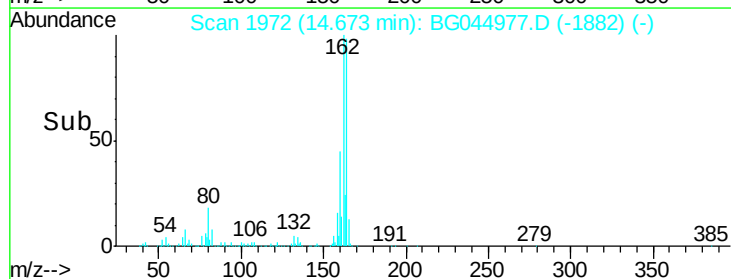
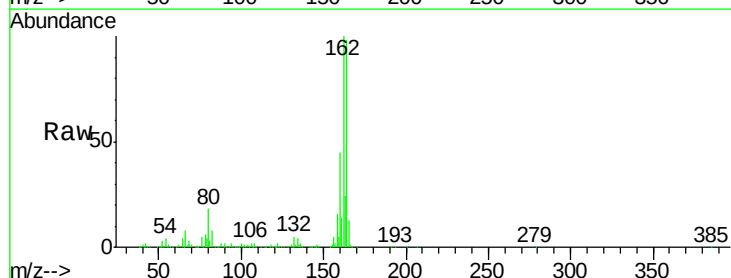
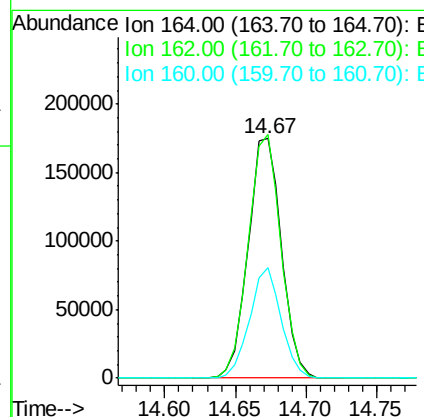
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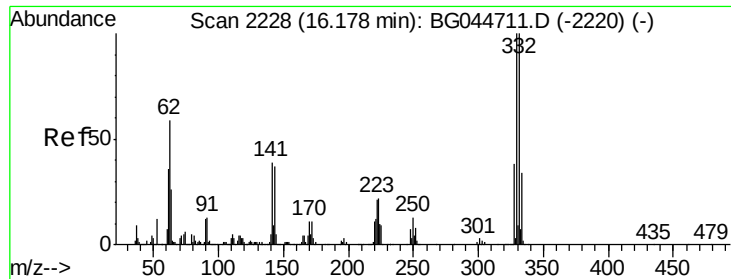
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: BG044977.D
 Acq: 8 Apr 2020 15:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
164	164	100			
162	162	101.7		76.7	115.1
160	160	46.0		35.0	52.4





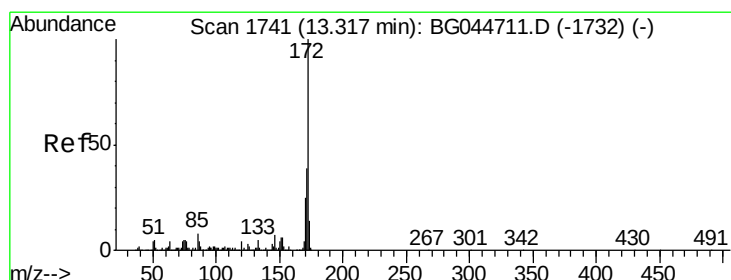
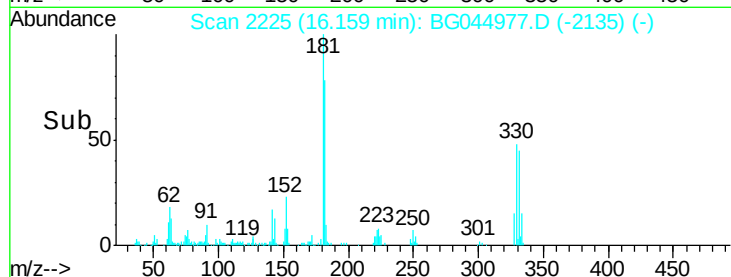
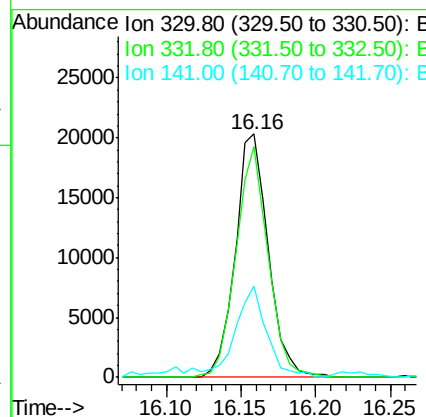
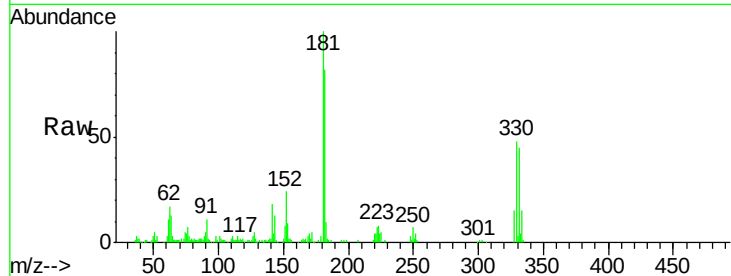
#42
 2,4,6-Tribromophenol
 Concen: 8.259 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: BG044977.D
 Acq: 8 Apr 2020 15:18

Instrument :
 BNA_G
 ClientSampled :
 TP-6DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	92.5	77.8	116.6
141	35.5	29.5	44.3

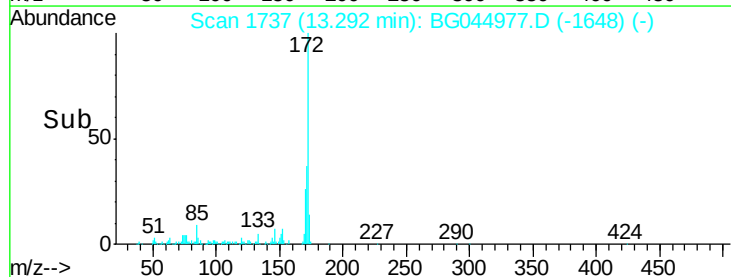
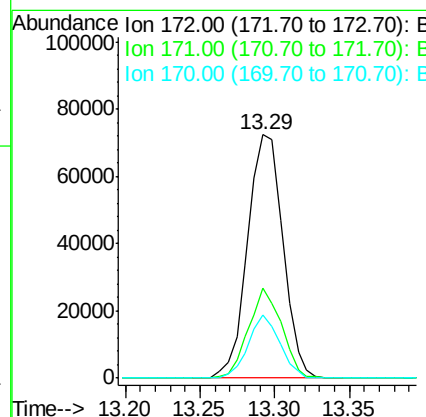
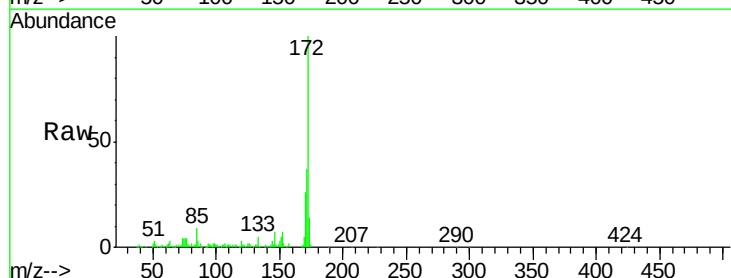
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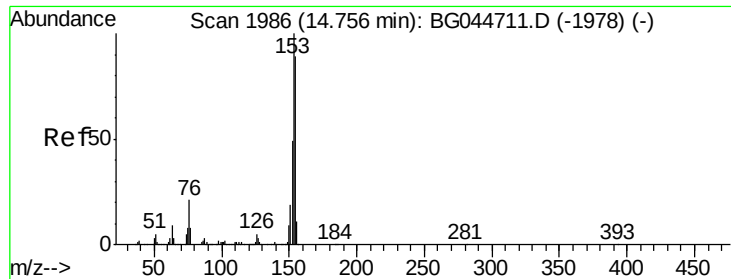
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#45
 2-Fluorobiphenyl
 Concen: 5.855 ng
 RT: 13.29 min Scan# 1737
 Delta R.T. -0.01 min
 Lab File: BG044977.D
 Acq: 8 Apr 2020 15:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	28.7	43.1
170	26.2	19.0	28.6





#52

Acenaphthene

Concen: 5.065 ng

RT: 14.74 min Scan# 1983

Delta R.T. -0.00 min

Lab File: BG044977.D

Acq: 8 Apr 2020 15:18

Instrument :

BNA_G

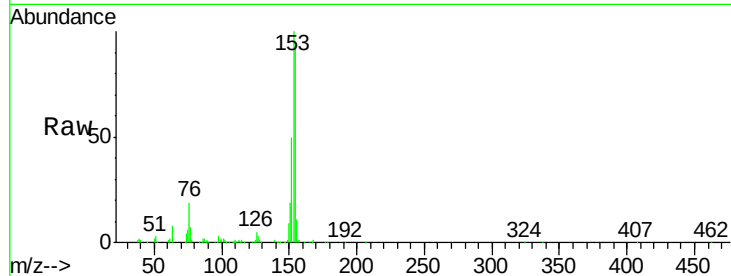
ClientSampleId :

TP-6DL

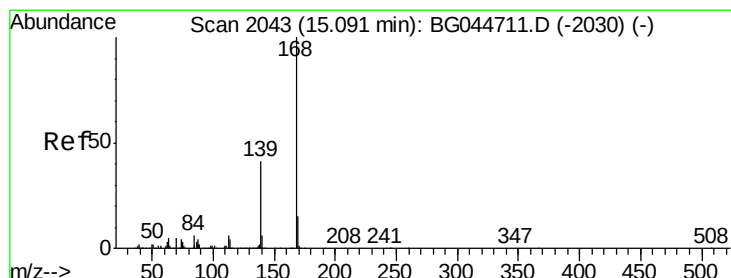
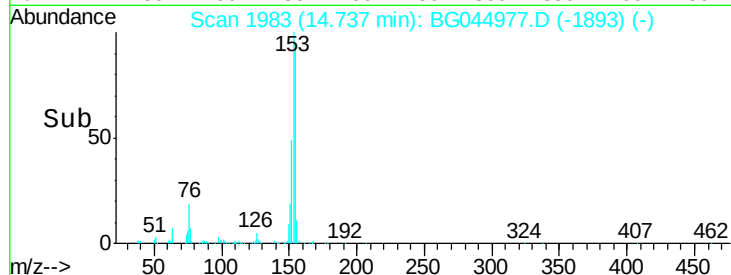
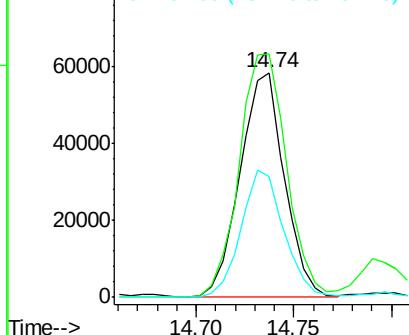
Tot Ion:	154	Resp:	91805
Ion Ratio	Lower	Upper	
154	100		
153	108.4	89.0	133.6
152	53.9	43.0	64.6

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 5.672 ng

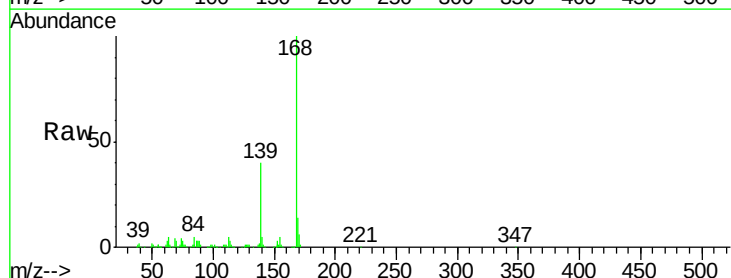
RT: 15.07 min Scan# 2039

Delta R.T. -0.01 min

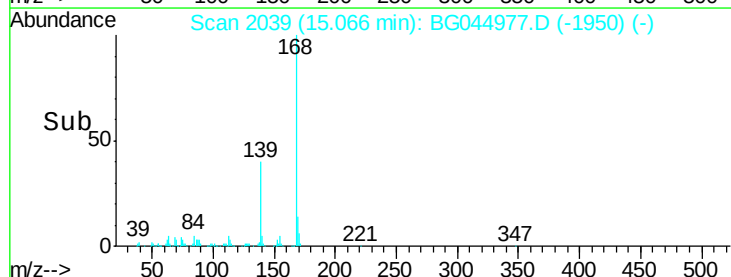
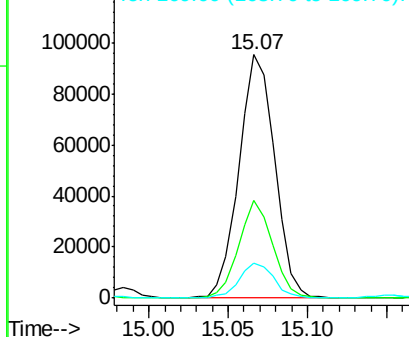
Lab File: BG044977.D

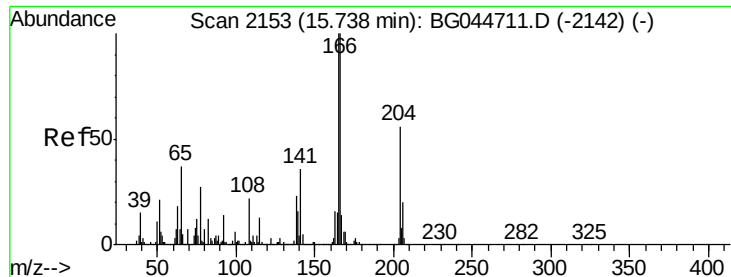
Acq: 8 Apr 2020 15:18

Tgt Ion:	168	Resp:	149079
Ion Ratio	Lower	Upper	
168	100		
139	40.1	31.4	47.0
169	14.1	11.1	16.7



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





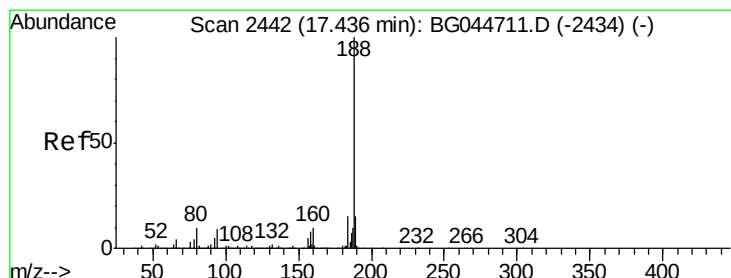
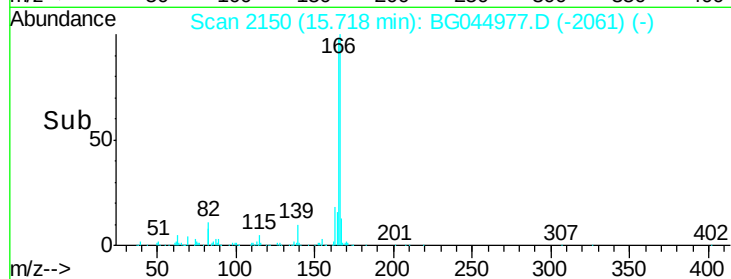
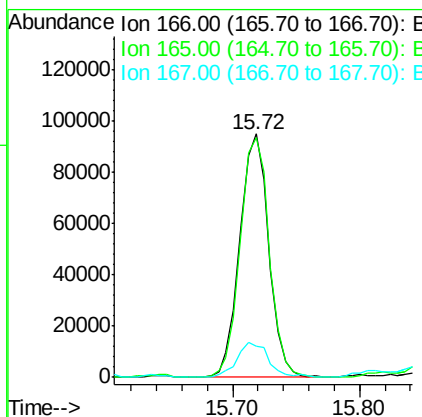
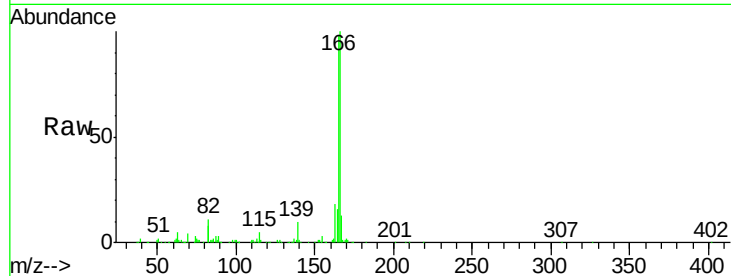
#58
 Fluorene
 Concen: 6.977 ng
 RT: 15.72 min Scan# 2150
 Delta R.T. -0.01 min
 Lab File: BG044977.D
 Acq: 8 Apr 2020 15:18

Instrument :
 BNA_G
 ClientSampleId :
 TP-6DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.5	79.7	119.5
167	12.9	10.6	16.0

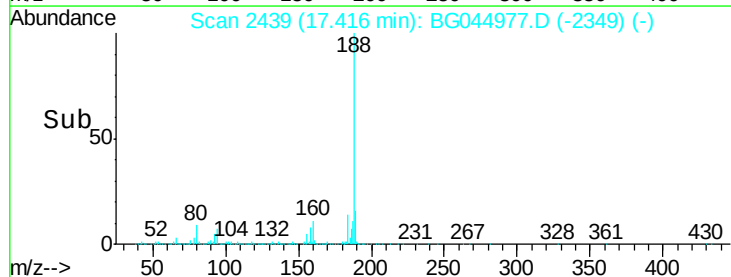
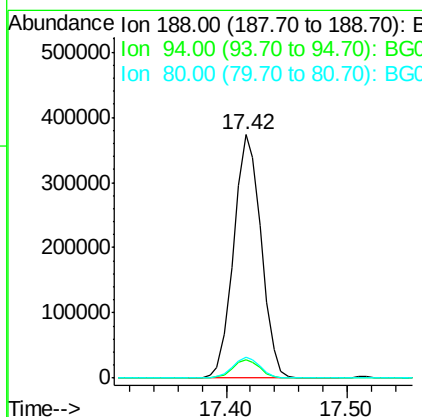
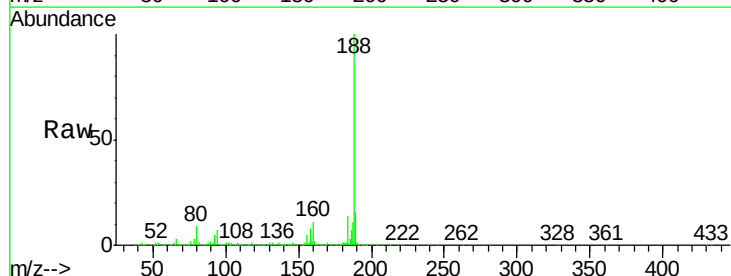
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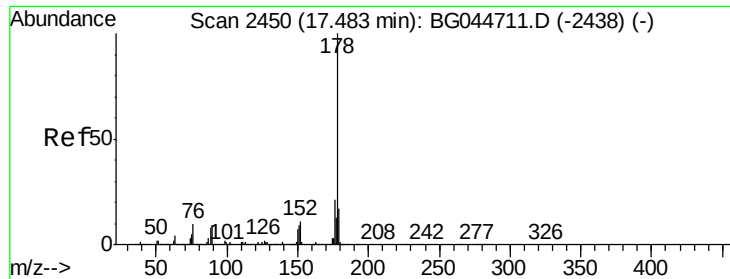
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.00 min
 Lab File: BG044977.D
 Acq: 8 Apr 2020 15:18

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.4	7.3	10.9
80	8.6	8.0	12.0





#71

Phenanthrene

Concen: 60.615 ng

RT: 17.46 min Scan# 2447

Delta R.T. -0.00 min

Lab File: BG044977.D

Acq: 8 Apr 2020 15:18

Instrument :

BNA_G

ClientSampleId :

TP-6DL

Tot Ion:178 Resp: 1913684

Ion Ratio Lower Upper

178 100

176 22.0 16.6 24.8

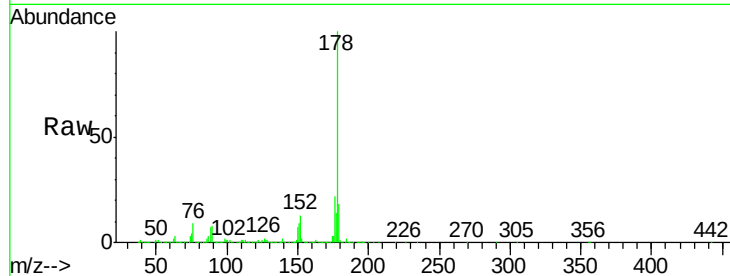
179 17.9 13.5 20.3

Manual Integrations

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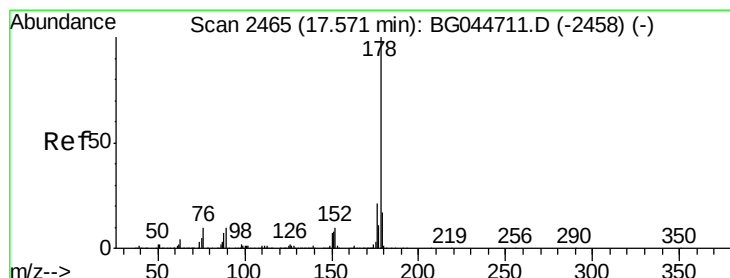
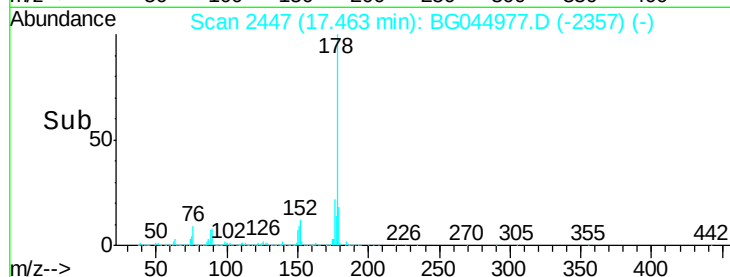
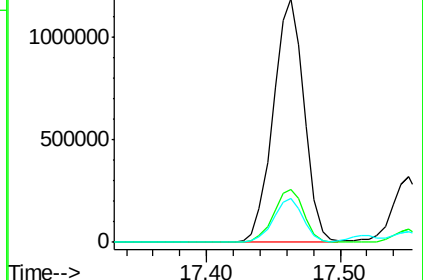
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 15.157 ng

RT: 17.55 min Scan# 2462

Delta R.T. -0.00 min

Lab File: BG044977.D

Acq: 8 Apr 2020 15:18

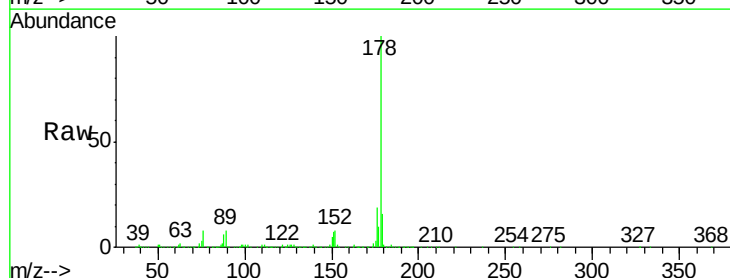
Tgt Ion:178 Resp: 471859

Ion Ratio Lower Upper

178 100

176 19.2 15.9 23.9

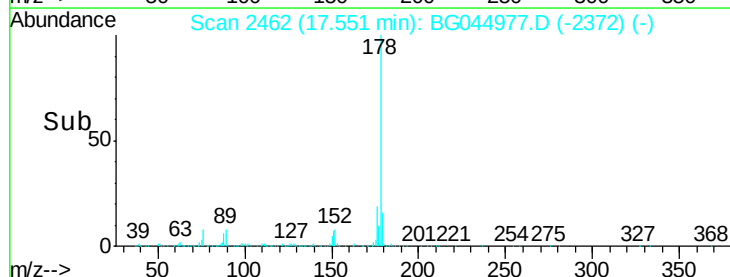
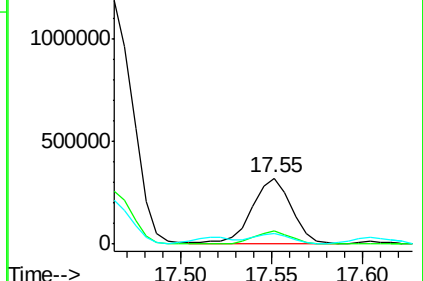
179 15.9 13.2 19.8

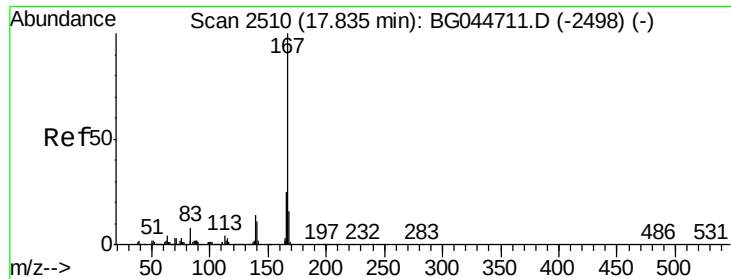


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





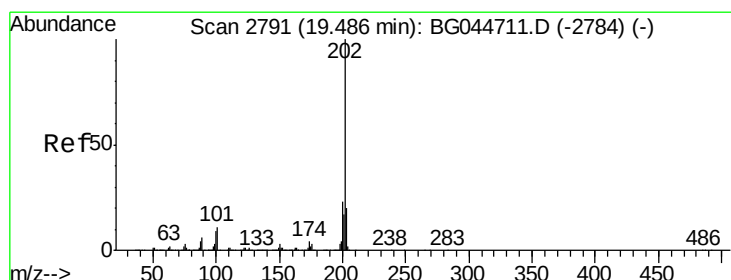
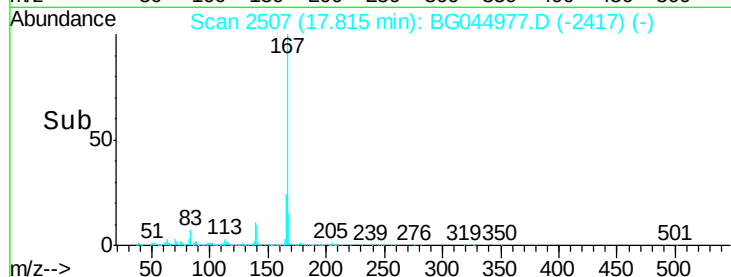
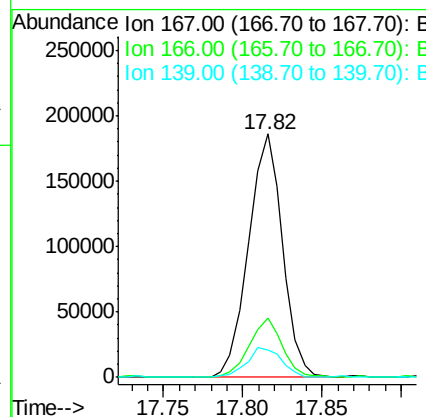
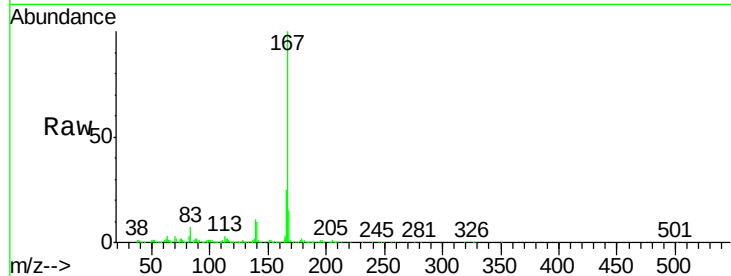
#73
 Carbazole
 Concen: 9.244 ng
 RT: 17.82 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: BG044977.D
 Acq: 8 Apr 2020 15:18

Instrument :
 BNA_G
 ClientSampled :
 TP-6DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	24.6	18.8	28.2
139	11.5	10.8	16.2

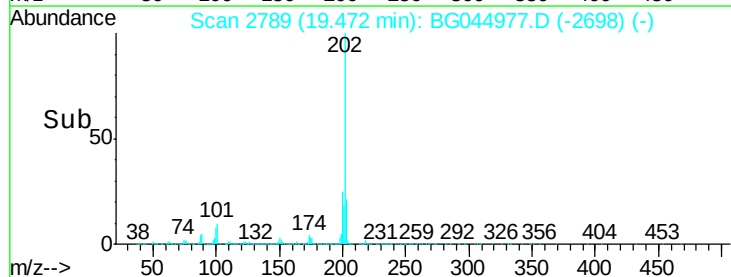
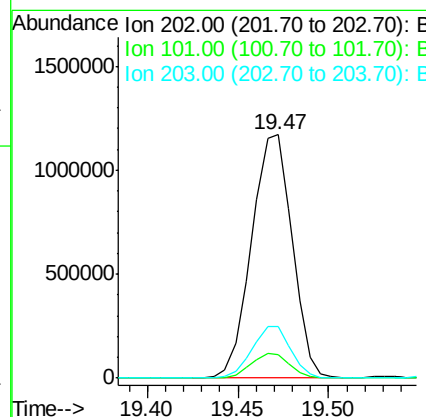
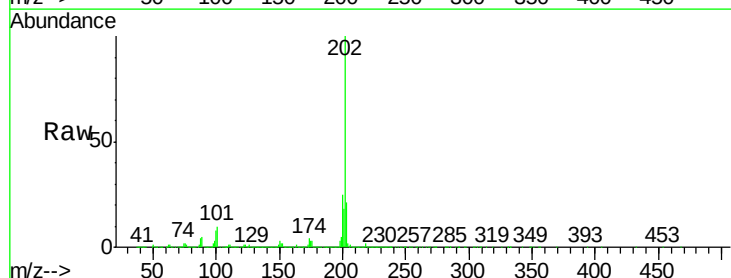
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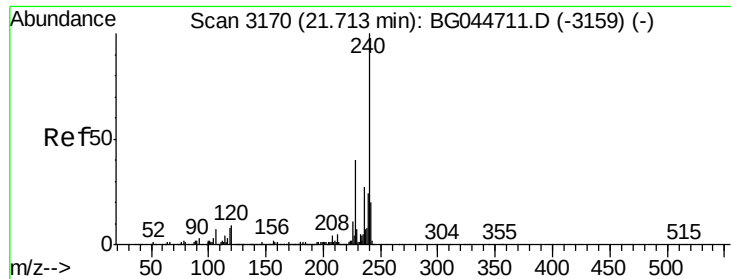
mohammad
 4/10/2020 7:56:07 AM



#75
 Fluoranthene
 Concen: 48.448 ng
 RT: 19.47 min Scan# 2789
 Delta R.T. 0.00 min
 Lab File: BG044977.D
 Acq: 8 Apr 2020 15:18

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	29.8
203	21.0	0.0	39.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3166

Delta R.T. -0.00 min

Lab File: BG044977.D

Acq: 8 Apr 2020 15:18

Instrument :

BNA_G

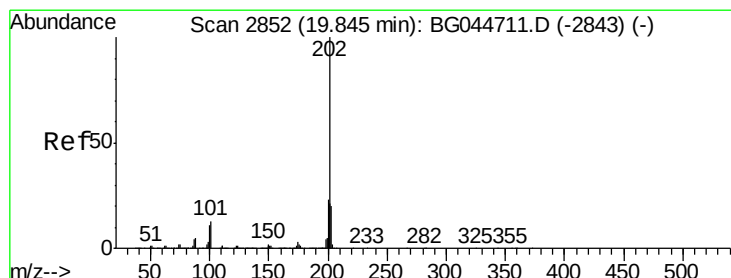
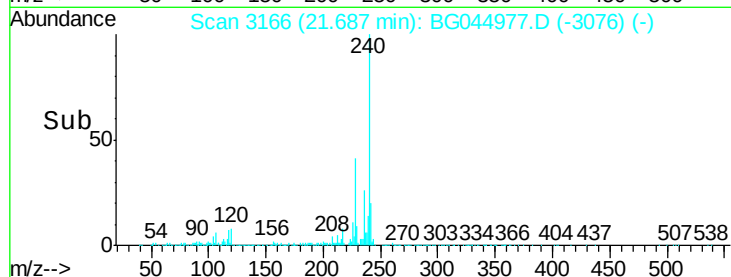
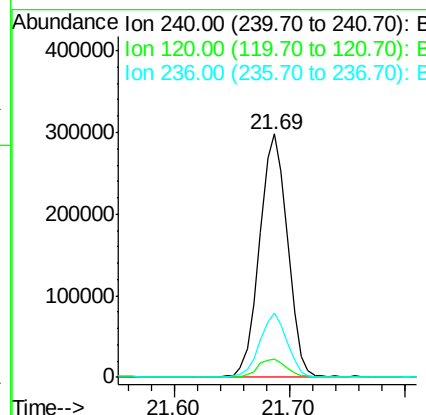
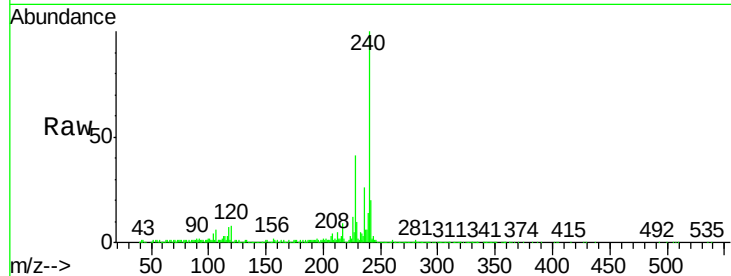
ClientSampled :

TP-6DL

Tot Ion:	240	Resp:	502664
Ion Ratio	Lower	Upper	
240	100		
120	7.7	6.7	10.1
236	26.4	21.5	32.3

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#78

Pyrene

Concen: 43.038 ng

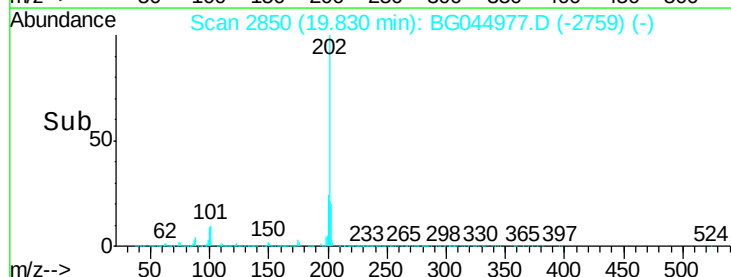
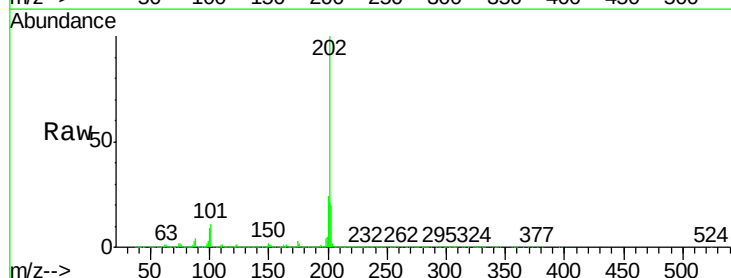
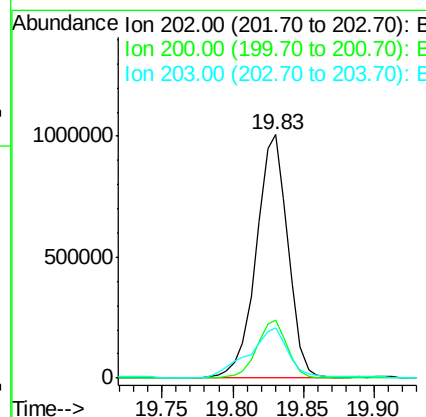
RT: 19.83 min Scan# 2850

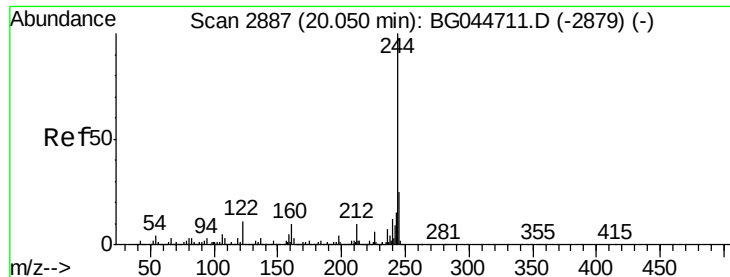
Delta R.T. 0.00 min

Lab File: BG044977.D

Acq: 8 Apr 2020 15:18

Tgt Ion:	202	Resp:	1587196
Ion Ratio	Lower	Upper	
202	100		
200	24.0	18.3	27.5
203	20.4	15.6	23.4





#79

Terphenyl-d14

Concen: 5.648 ng

RT: 20.02 min Scan# 2883

Delta R.T. -0.01 min

Lab File: BG044977.D

Acq: 8 Apr 2020 15:18

Instrument :

BNA_G

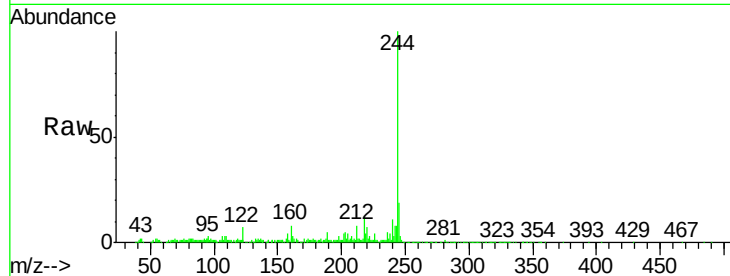
ClientSampled :

TP-6DL

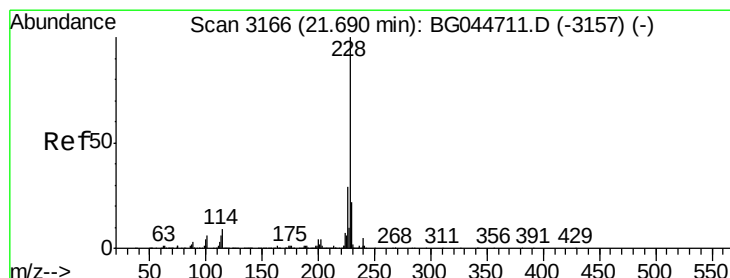
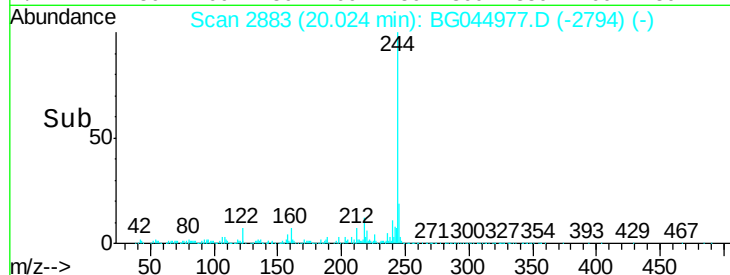
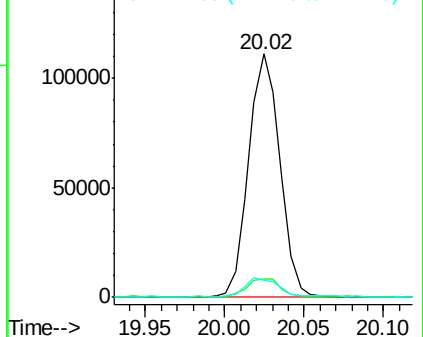
Tot Ion:	244	Resp:	151763
Ion Ratio		Lower	Upper
244	100		
212	7.8	7.7	11.5
122	7.0	8.6	12.8#

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 24.702 ng

RT: 21.67 min Scan# 3163

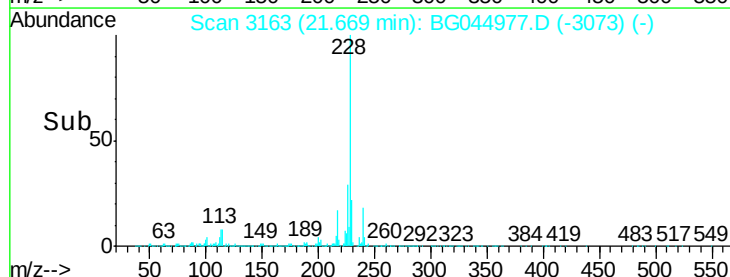
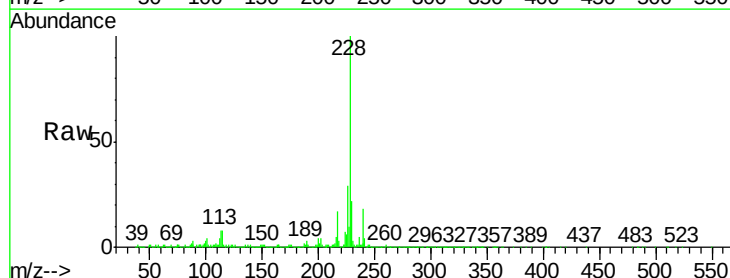
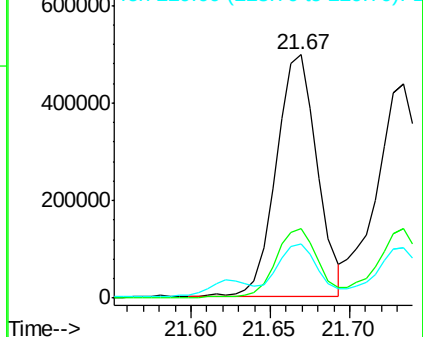
Delta R.T. -0.00 min

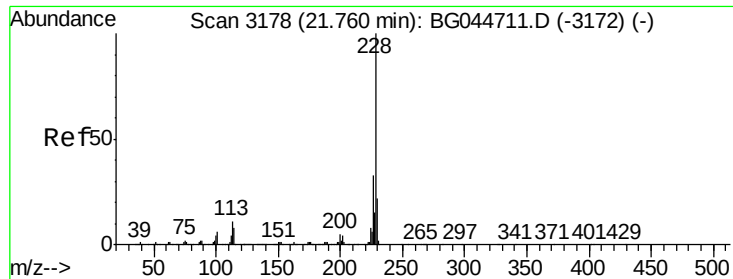
Lab File: BG044977.D

Acq: 8 Apr 2020 15:18

Tgt Ion:	228	Resp:	894100
Ion Ratio		Lower	Upper
228	100		
226	28.7	23.6	35.4
229	22.0	17.1	25.7

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





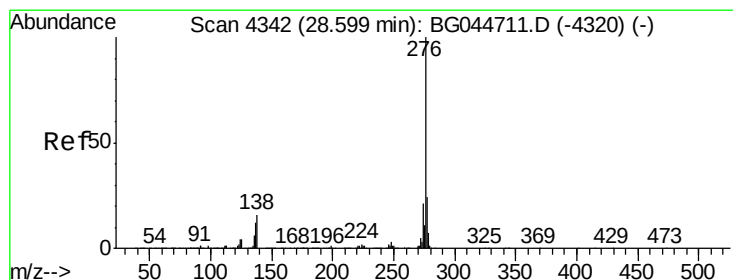
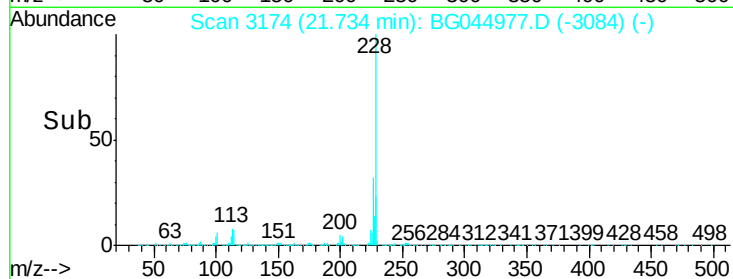
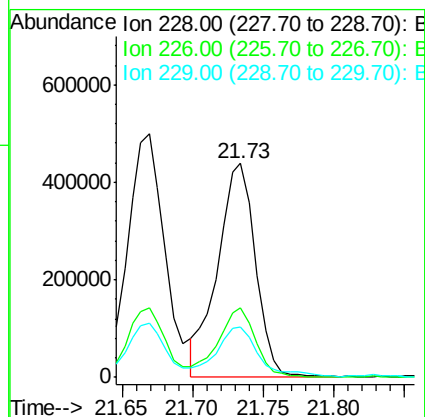
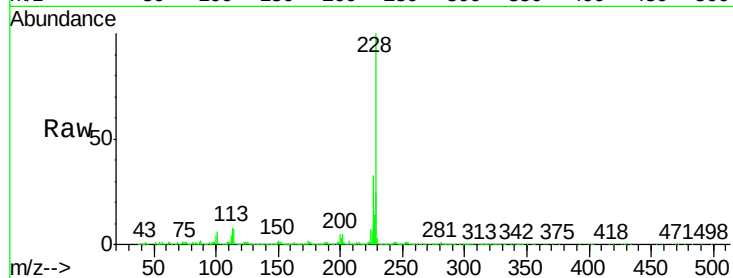
#83
Chrysene
Concen: 23.614 ng
RT: 21.73 min Scan# 3174
Delta R.T. -0.00 min
Lab File: BG044977.D
Acq: 8 Apr 2020 15:18

Instrument :
BNA_G
ClientSampled :
TP-6DL

Tot Ion:	228	Resp:	816434
Ion Ratio	Lower	Upper	
228	100		
226	32.5	25.9	38.9
229	23.7	17.4	26.0

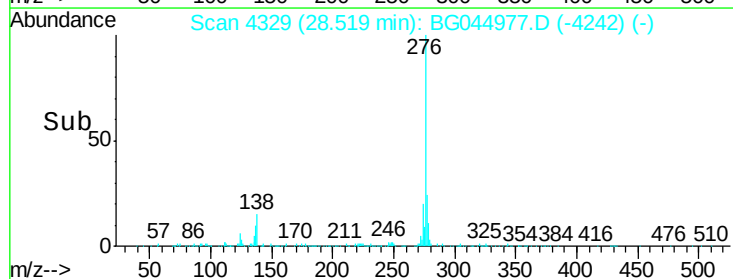
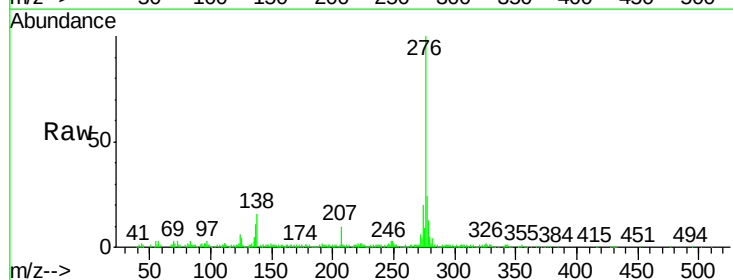
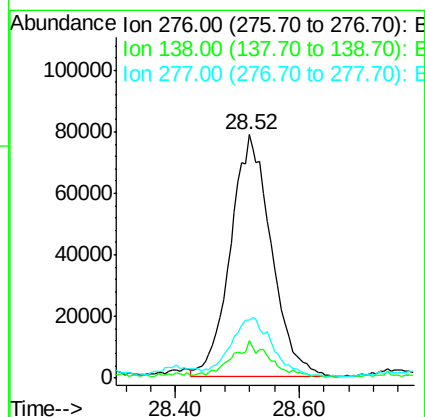
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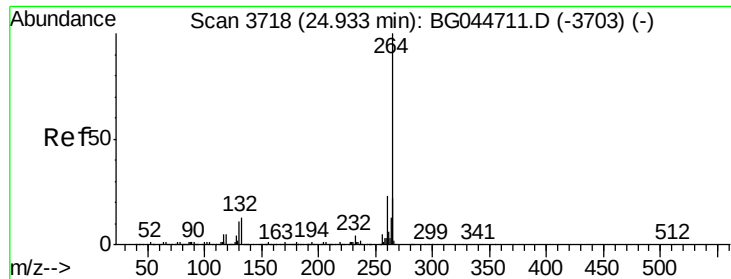
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 7.889 ng
RT: 28.52 min Scan# 4329
Delta R.T. -0.02 min
Lab File: BG044977.D
Acq: 8 Apr 2020 15:18

Tgt Ion:	276	Resp:	357588
Ion Ratio	Lower	Upper	
276	100		
138	12.7	7.4	11.0#
277	26.0	20.8	31.2





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.89 min Scan# 3712

Delta R.T. 0.00 min

Lab File: BG044977.D

Acq: 8 Apr 2020 15:18

Instrument :

BNA_G

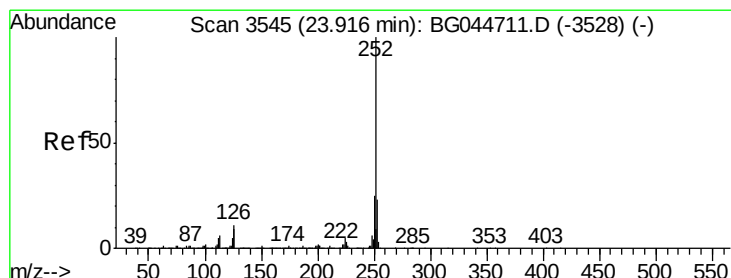
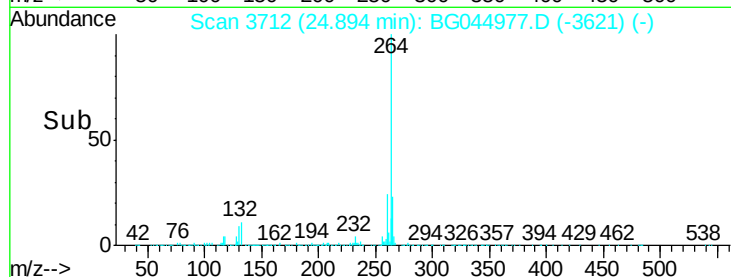
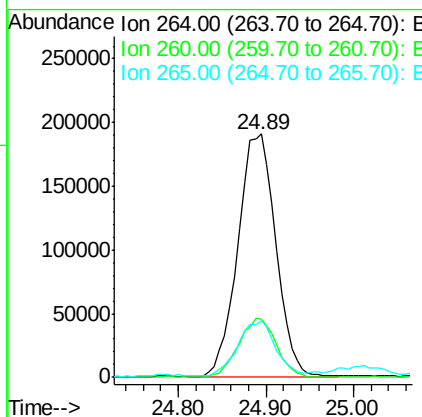
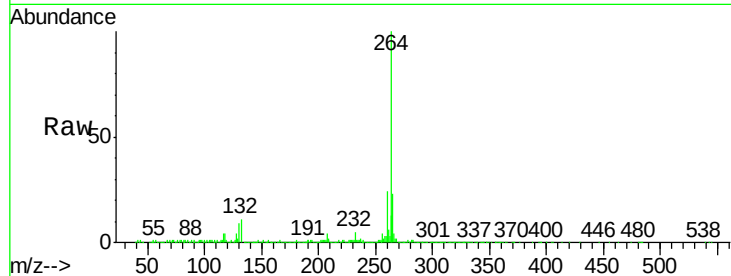
ClientSampled :

TP-6DL

Tot Ion:	264	Resp:	558602
Ion Ratio	Lower	Upper	
264	100		
260	24.0	18.1	27.1
265	23.3	17.1	25.7

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#88

Benzo(b)fluoranthene

Concen: 23.993 ng

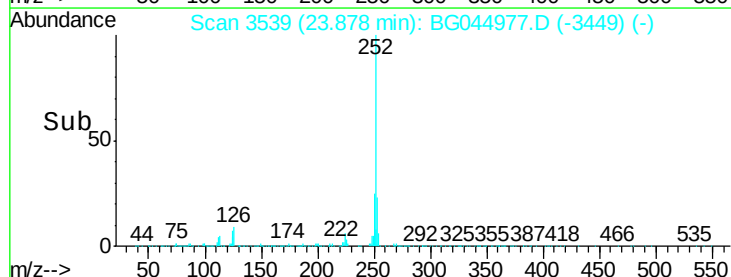
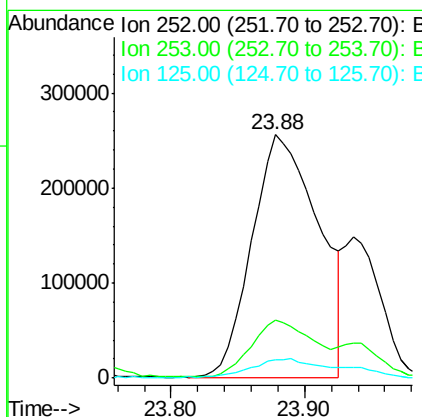
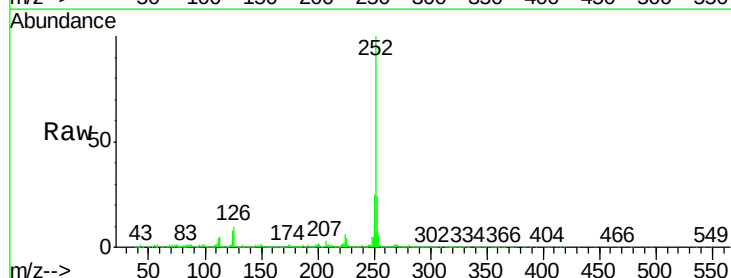
RT: 23.88 min Scan# 3539

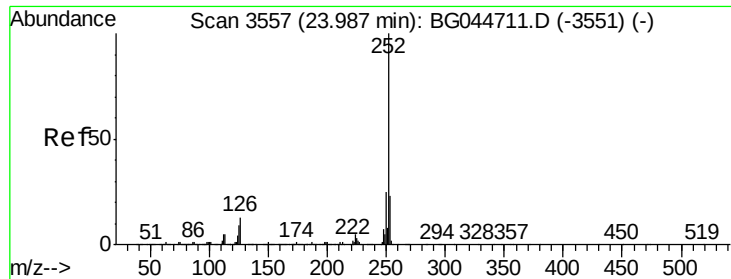
Delta R.T. -0.00 min

Lab File: BG044977.D

Acq: 8 Apr 2020 15:18

Tgt Ion:	252	Resp:	884799
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.1	27.1
125	7.5	6.6	9.8





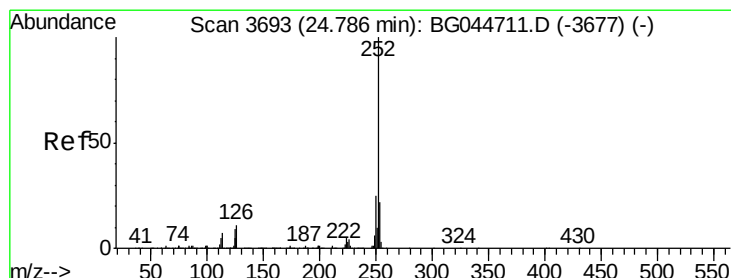
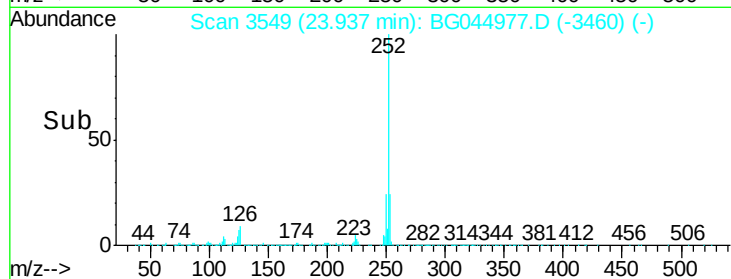
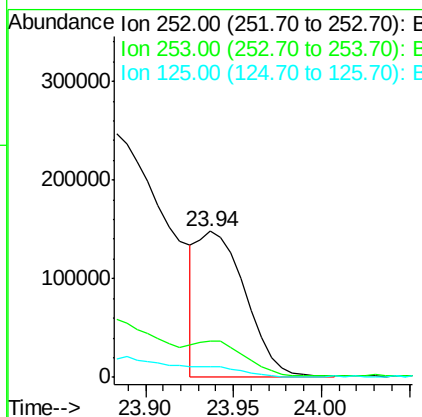
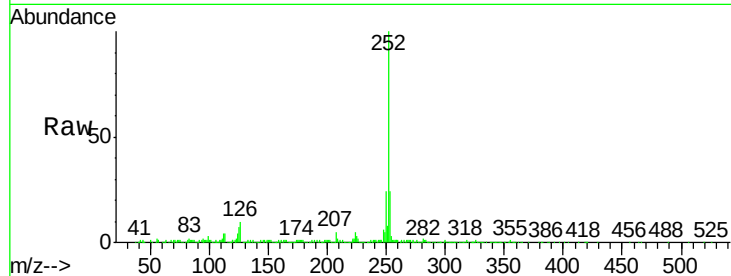
#89
Benzo(k)fluoranthene
Concen: 8.158 ng m
RT: 23.94 min Scan# 3549
Delta R.T. -0.01 min
Lab File: BG044977.D
Acq: 8 Apr 2020 15:18

Instrument :
BNA_G
ClientSampleId :
TP-6DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.5	27.7
125	7.3	6.2	9.2

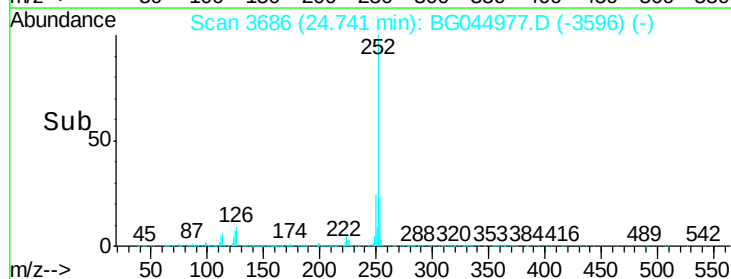
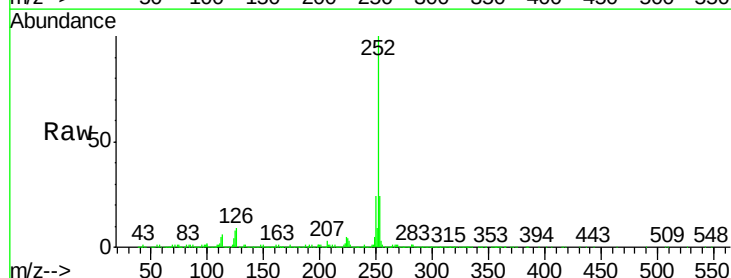
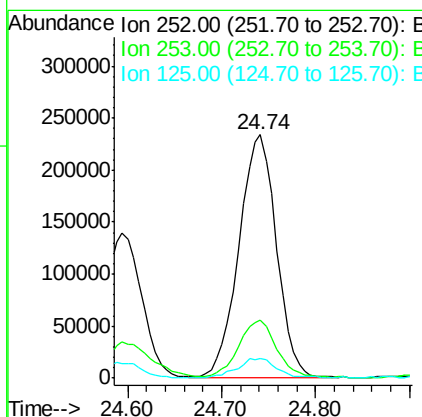
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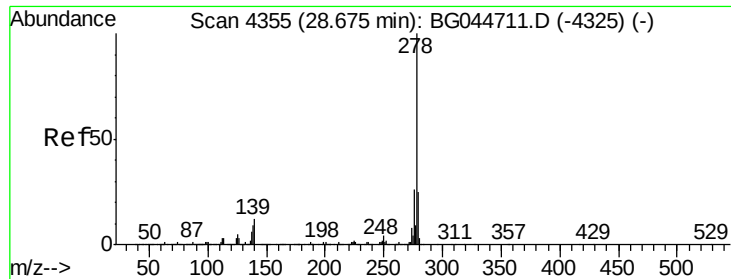
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#90
Benzo(a)pyrene
Concen: 18.562 ng
RT: 24.74 min Scan# 3686
Delta R.T. -0.00 min
Lab File: BG044977.D
Acq: 8 Apr 2020 15:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.4	29.0
125	7.9	7.2	10.8





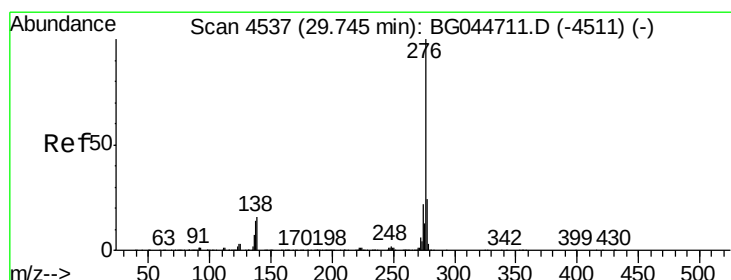
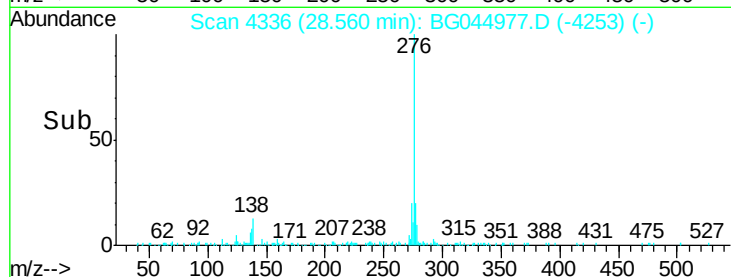
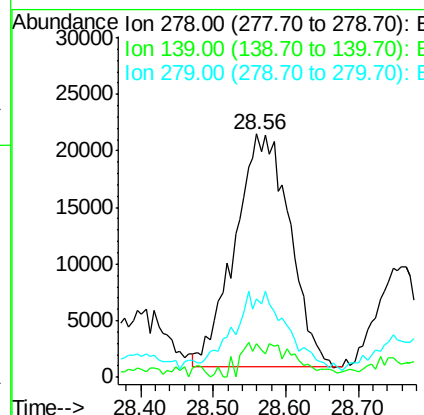
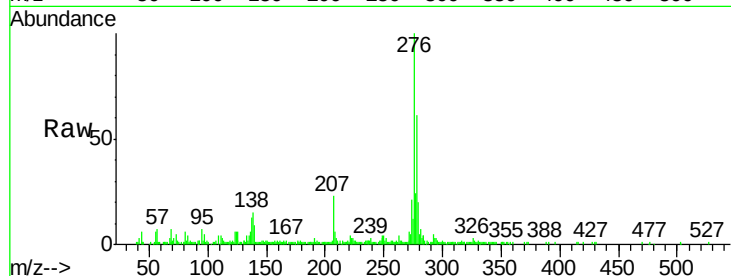
#91
Dibenzo(a,h)anthracene
Concen: 3.195 ng
RT: 28.56 min Scan# 4336
Delta R.T. -0.04 min
Lab File: BG044977.D
Acq: 8 Apr 2020 15:18

Instrument :
BNA_G
ClientSampleID :
TP-6DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.0	10.2	15.2
279	32.2	18.9	28.3

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#92
Benzo(g,h,i)perylene
Concen: 8.861 ng
RT: 29.66 min Scan# 4524
Delta R.T. -0.01 min
Lab File: BG044977.D
Acq: 8 Apr 2020 15:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	20.1	30.1
138	12.3	13.0	19.6

