

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG040820\
 Data File : BG044973.D
 Acq On : 8 Apr 2020 12:39
 Operator : CG/JU
 Sample : L2135-08DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-3K-(0-2)DL

Manual Integrations
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mohammad
 4/10/2020 7:55:51 AM

Quant Time: Apr 08 13:19:29 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	8.05	152	105589	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	393729	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	248159	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	484790	20.00	ng	0.00
76) Chrysene-d12	21.70	240	473041	20.00	ng	0.00
87) Perylene-d12	24.92	264	509854	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	94768	13.97	ng	0.00
7) Phenol-d6	7.20	99	137335	13.94	ng	0.00
23) Nitrobenzene-d5	9.20	82	93182	10.39	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	44150	13.59	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	184674	10.66	ng	0.00
79) Terphenyl-d14	20.04	244	259245	10.25	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	12.50	142	160791	9.855	ng	95
38) 1-Methylnaphthalene	12.73	142	286080	18.651	ng	# 99
52) Acenaphthene	14.74	154	141342	9.093	ng	93
58) Fluorene	15.72	166	205997	11.110	ng	# 89
71) Phenanthrene	17.47	178	1186071	45.783	ng	97
72) Anthracene	17.56	178	333121	13.040	ng	96
75) Fluoranthene	19.48	202	845401	27.407	ng	98
78) Pyrene	19.84	202	807159	23.257	ng	96
81) Benzo(a)anthracene	21.67	228	327834	9.625	ng	# 87
83) Chrysene	21.74	228	347721	10.687	ng	# 88
88) Benzo(b)fluoranthene	23.90	252	212674	6.318	ng	# 74
89) Benzo(k)fluoranthene	23.95	252	80159m	2.517	ng	
90) Benzo(a)pyrene	24.76	252	164527	5.224	ng	# 81

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

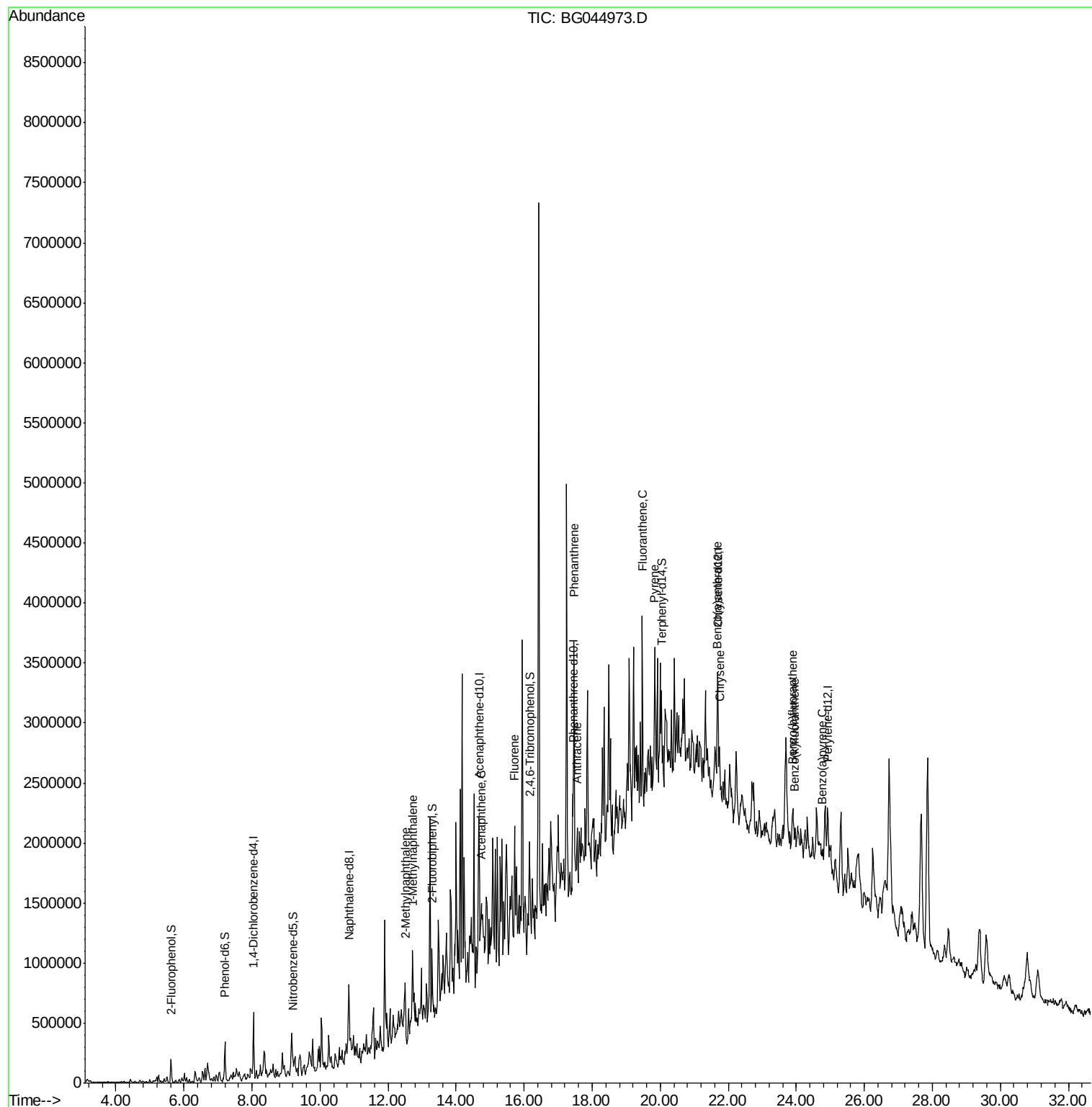
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG040820\
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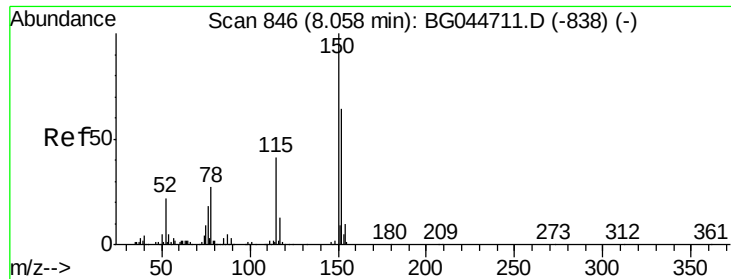
Instrument :
BNA_G
ClientSampleId :
SB-3K-(0-2)DL

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
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#1

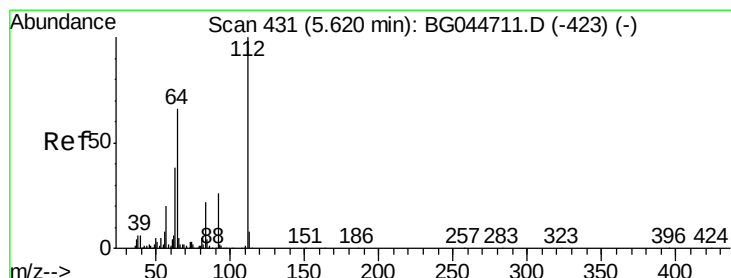
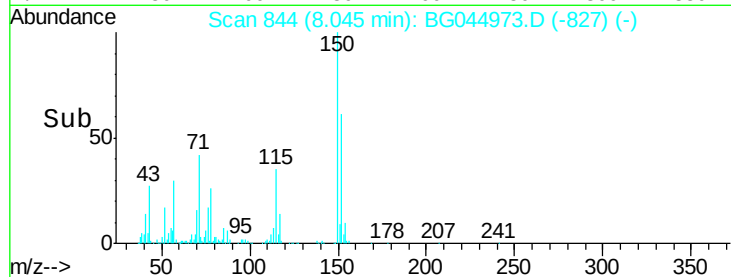
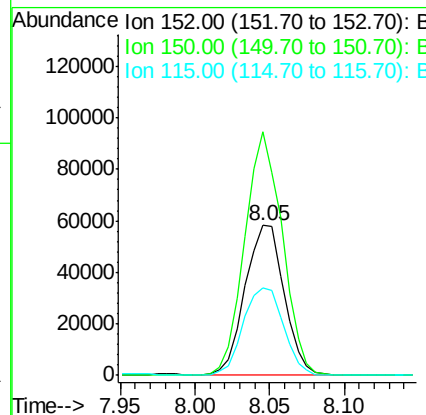
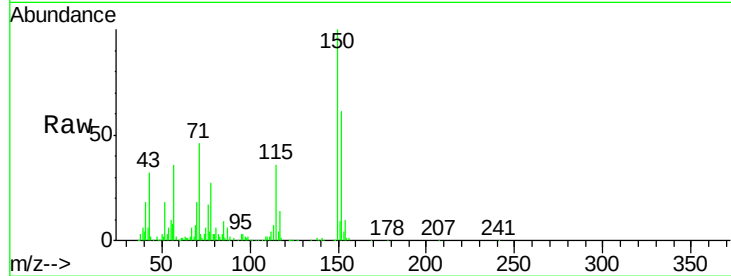
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. 0.00 min
Lab File: BG044973.D
Acq: 8 Apr 2020 12:39

Instrument :
BNA_G
ClientSampleId :
SB-3K-(0-2)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.7	128.8	193.2
115	58.3	52.6	79.0

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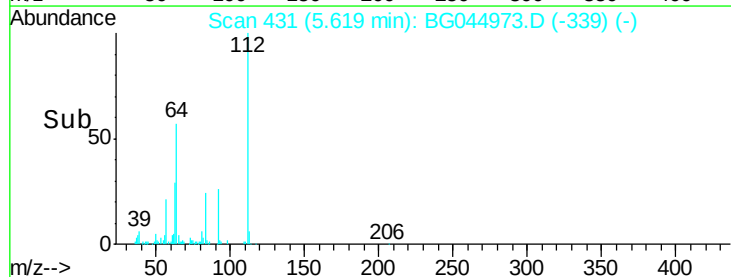
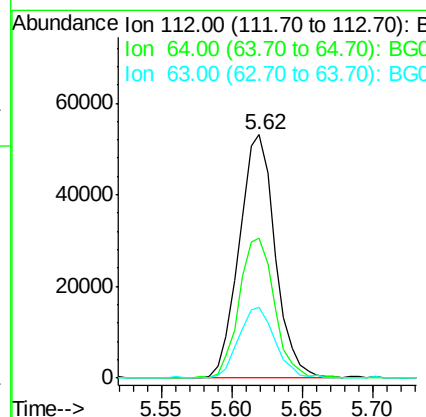
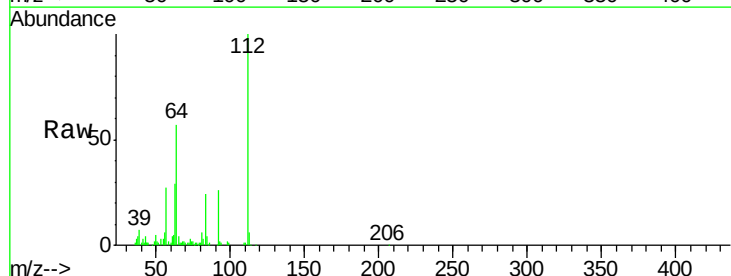
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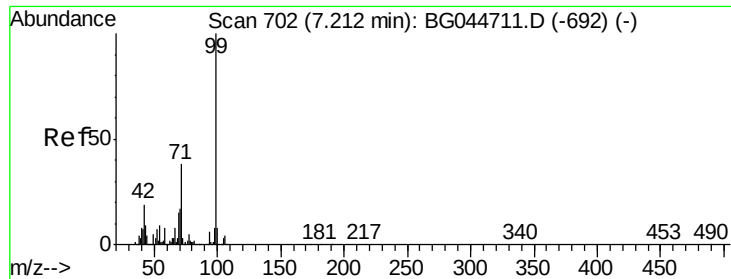


#5

2-Fluorophenol
Concen: 13.972 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.01 min
Lab File: BG044973.D
Acq: 8 Apr 2020 12:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	53.4	80.2
63	29.2	29.4	44.2





#7

Phenol-d6

Concen: 13.935 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044973.D

Acq: 8 Apr 2020 12:39

Instrument :

BNA_G

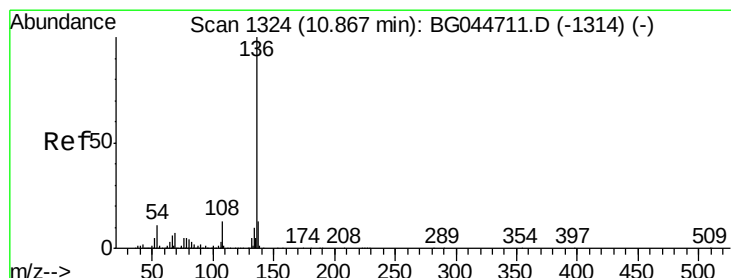
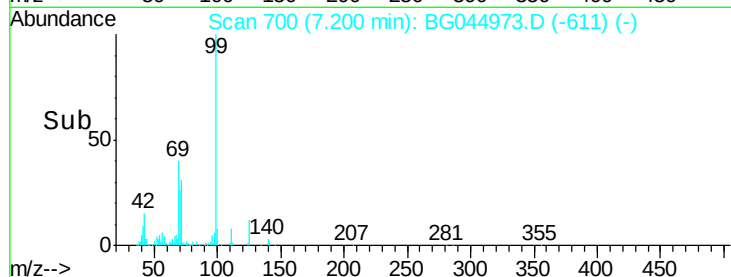
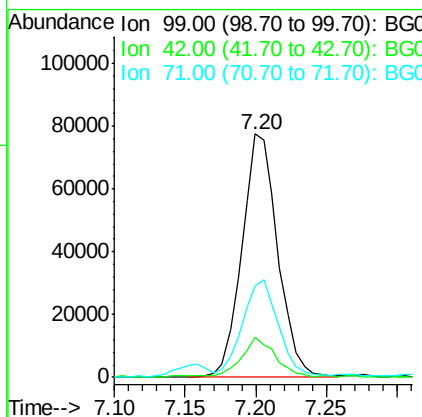
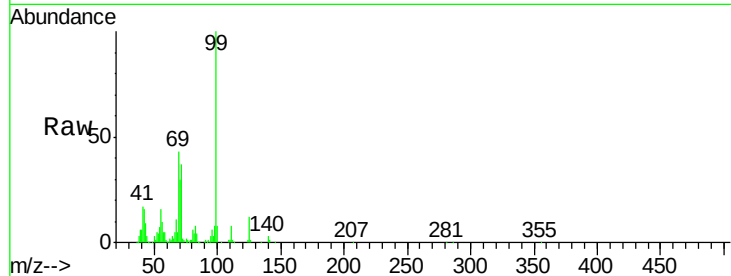
ClientSampleId :

SB-3K-(0-2)DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		137335		
42	16.3	12.6	19.0		
71	37.3	29.0	43.4		

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#21

Naphthalene-d8

Concen: 20.000 ng

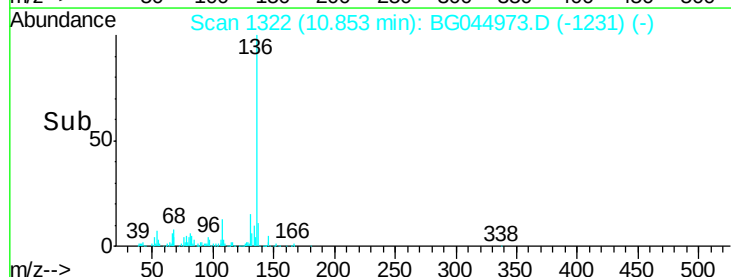
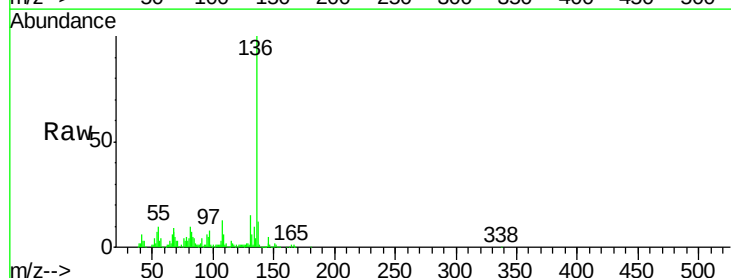
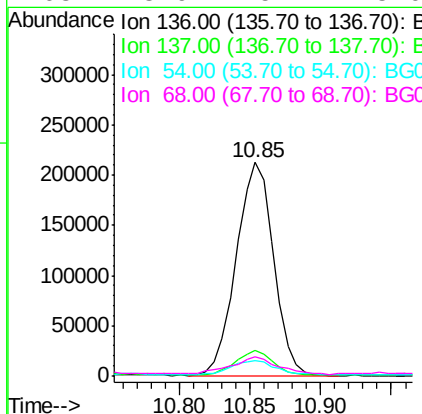
RT: 10.85 min Scan# 1322

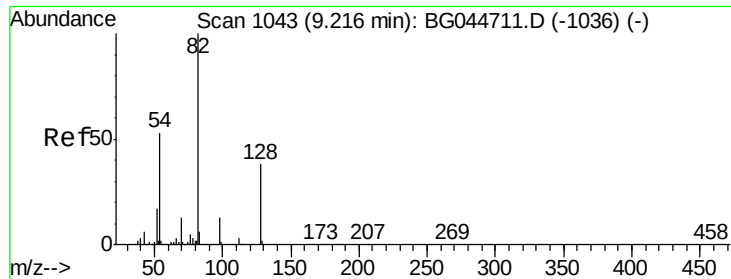
Delta R.T. 0.00 min

Lab File: BG044973.D

Acq: 8 Apr 2020 12:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		393729		
137	12.0	9.8	14.6		
54	7.3	7.9	11.9#		
68	8.9	5.4	8.0#		





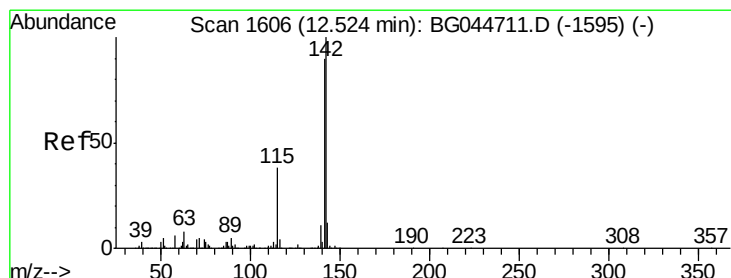
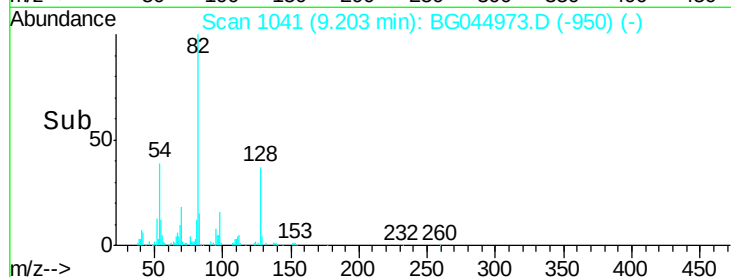
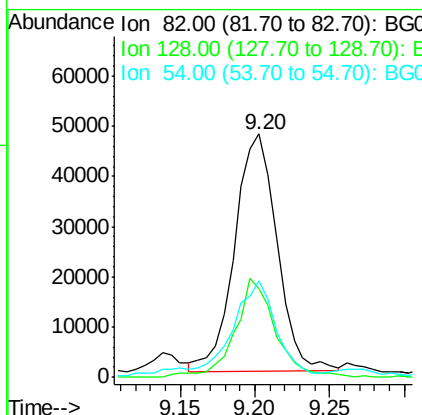
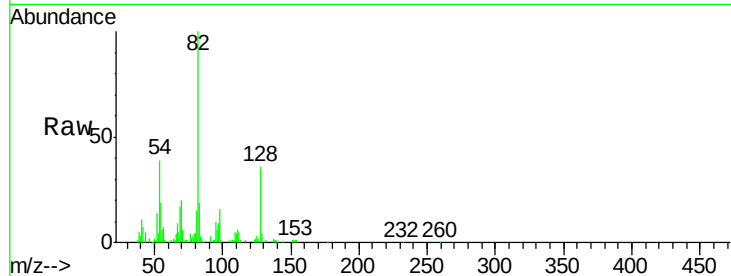
#23
 Nitrobenzene-d5
 Concen: 10.385 ng
 RT: 9.20 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: BG044973.D
 Acq: 8 Apr 2020 12:39

Instrument :
 BNA_G
 ClientSampleId :
 SB-3K-(0-2)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.4	30.6	46.0
54	39.4	37.1	55.7

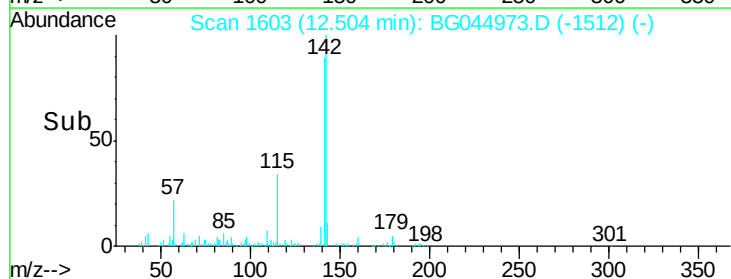
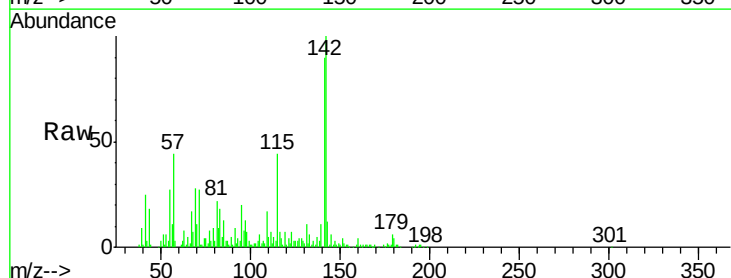
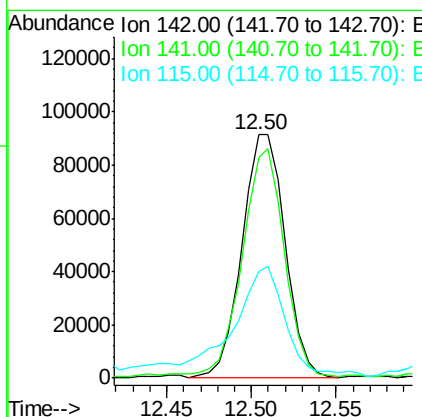
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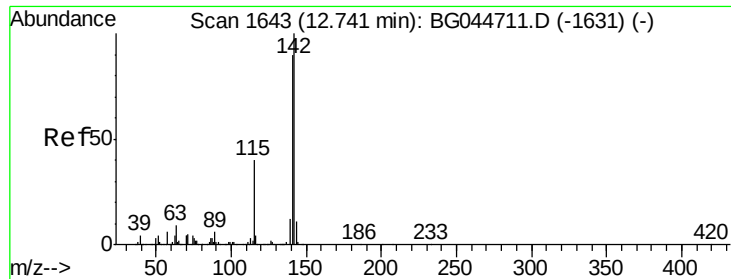
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#37
 2-Methylnaphthalene
 Concen: 9.855 ng
 RT: 12.50 min Scan# 1603
 Delta R.T. 0.00 min
 Lab File: BG044973.D
 Acq: 8 Apr 2020 12:39

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.5	75.1	112.7
115	43.8	30.6	46.0





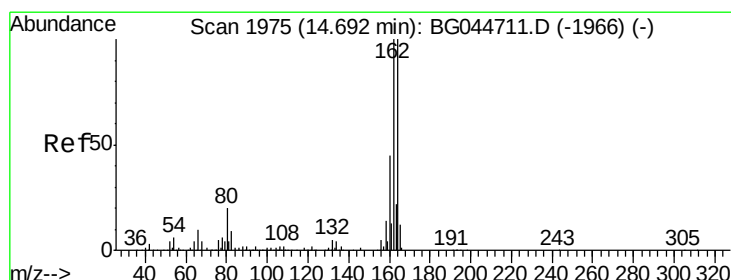
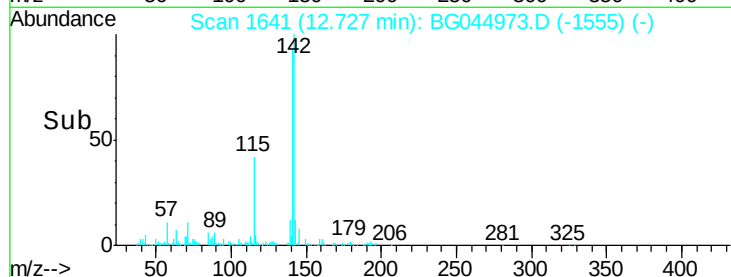
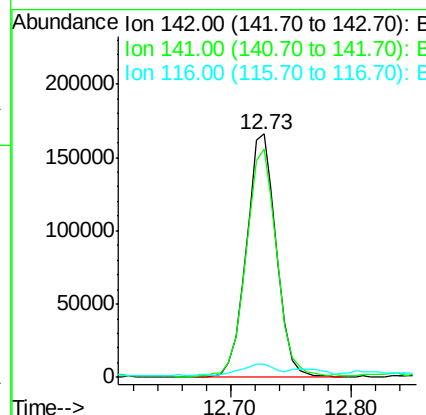
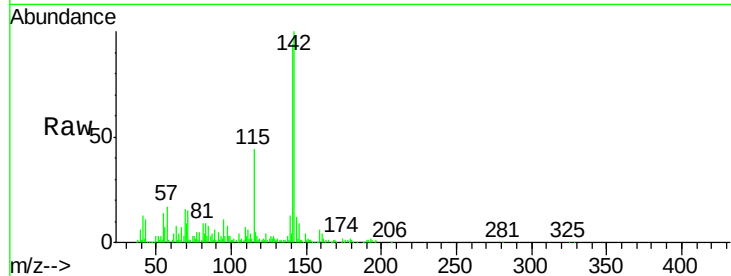
#38
1-Methylnaphthalene
Concen: 18.651 ng
RT: 12.73 min Scan# 1641
Delta R.T. 0.00 min
Lab File: BG044973.D
Acq: 8 Apr 2020 12:39

Instrument :
BNA_G
ClientSampleId :
SB-3K-(0-2)DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	93.8	74.7	112.1
116	5.4	3.3	4.9#

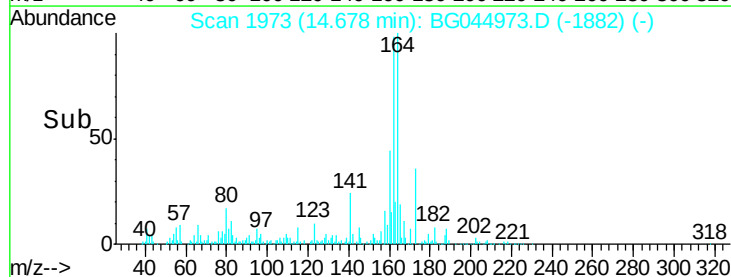
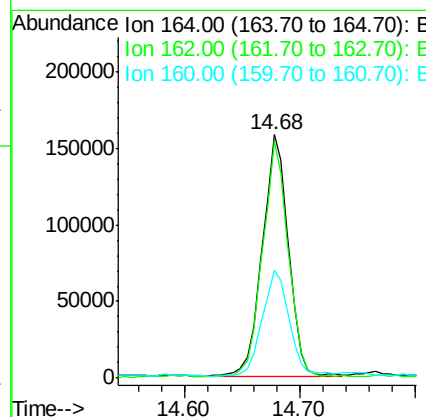
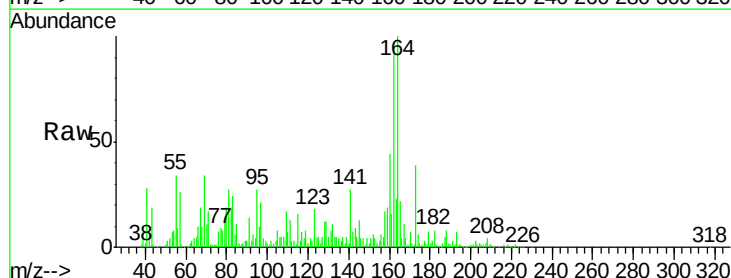
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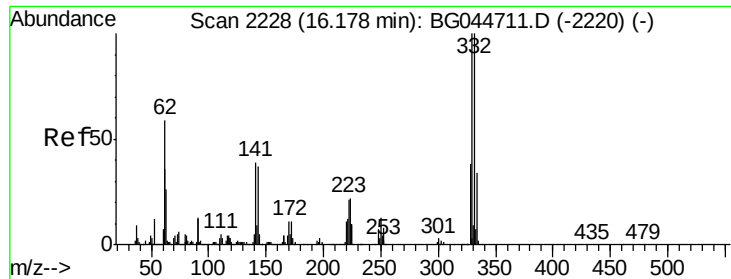
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1973
Delta R.T. 0.00 min
Lab File: BG044973.D
Acq: 8 Apr 2020 12:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.2	76.7	115.1
160	44.1	35.0	52.4





#42

2,4,6-Tribromophenol

Concen: 13.588 ng

RT: 16.16 min Scan# 2226

Delta R.T. 0.00 min

Lab File: BG044973.D

Acq: 8 Apr 2020 12:39

Instrument :

BNA_G

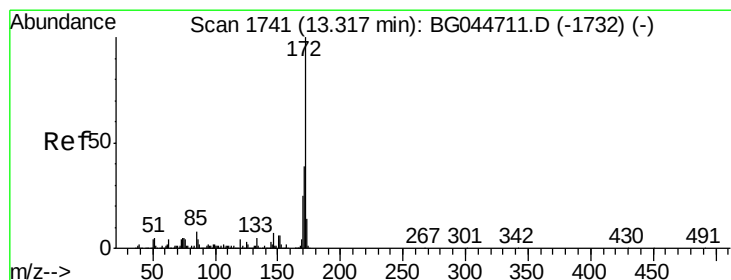
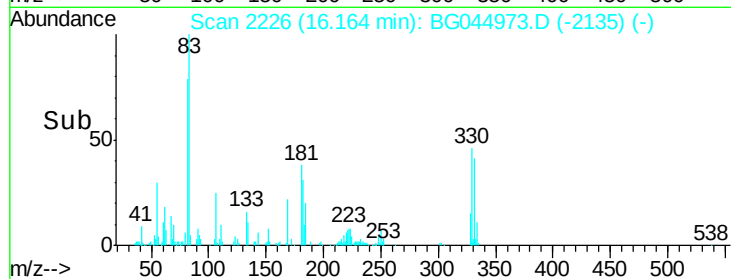
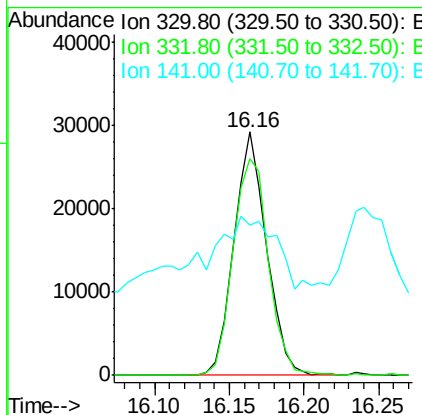
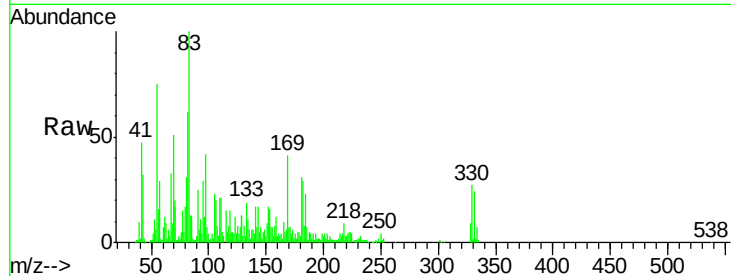
ClientSampleId :

SB-3K-(0-2)DL

Tot Ion:	330	Resp:	44150
Ion Ratio	Lower	Upper	
330	100		
332	97.3	77.8	116.6
141	118.8	29.5	44.3#

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#45

2-Fluorobiphenyl

Concen: 10.657 ng

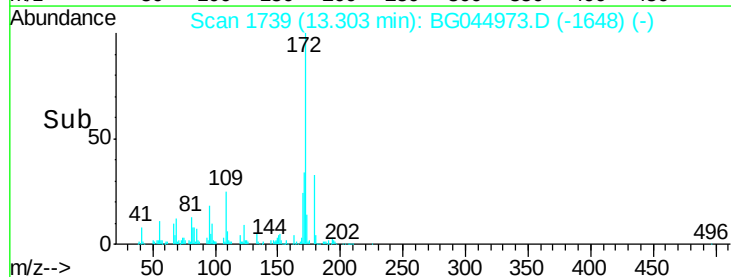
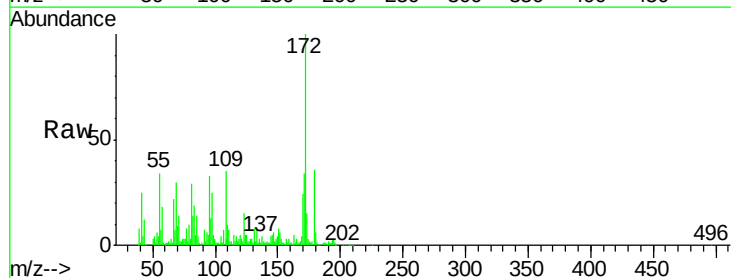
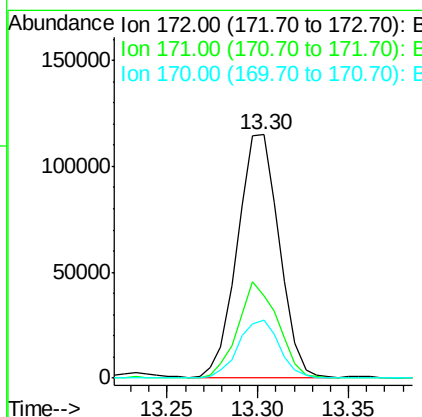
RT: 13.30 min Scan# 1739

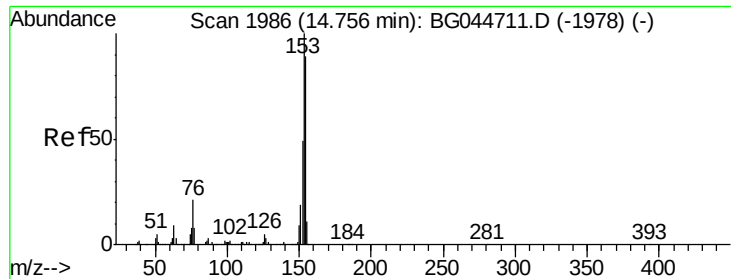
Delta R.T. 0.00 min

Lab File: BG044973.D

Acq: 8 Apr 2020 12:39

Tgt Ion:	172	Resp:	184674
Ion Ratio	Lower	Upper	
172	100		
171	33.9	28.7	43.1
170	24.1	19.0	28.6





#52

Acenaphthene

Concen: 9.093 ng

RT: 14.74 min Scan# 1984

Delta R.T. 0.00 min

Lab File: BG044973.D

Acq: 8 Apr 2020 12:39

Instrument :

BNA_G

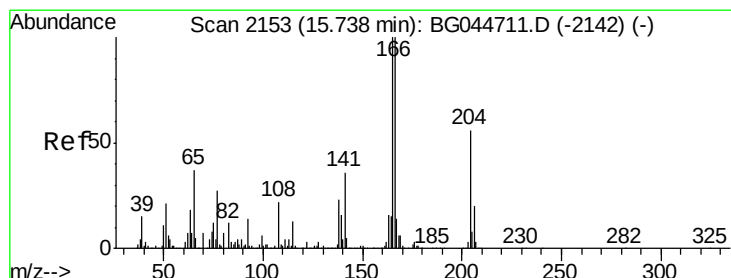
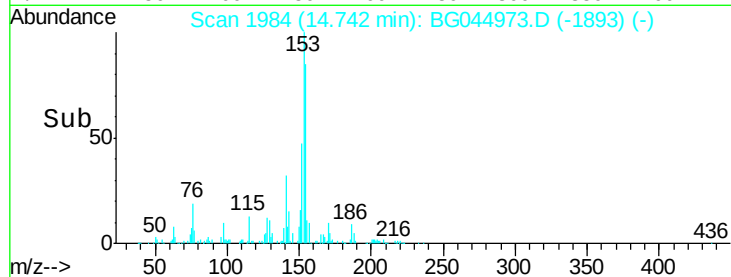
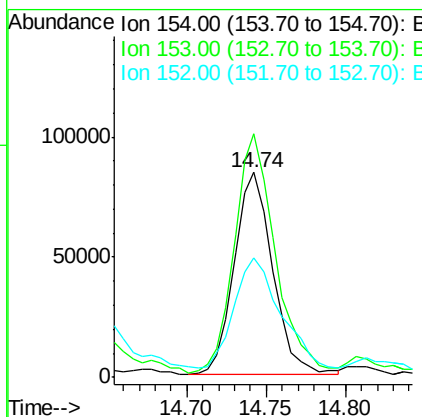
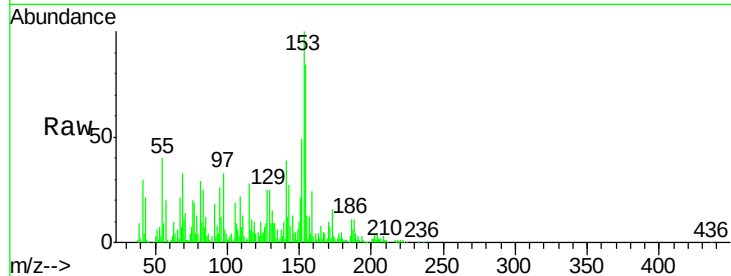
ClientSampled :

SB-3K-(0-2)DL

Tot Ion:	154	Resp:	141342
Ion Ratio	Lower	Upper	
154	100		
153	118.7	89.0	133.6
152	58.1	43.0	64.6

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#58

Fluorene

Concen: 11.110 ng

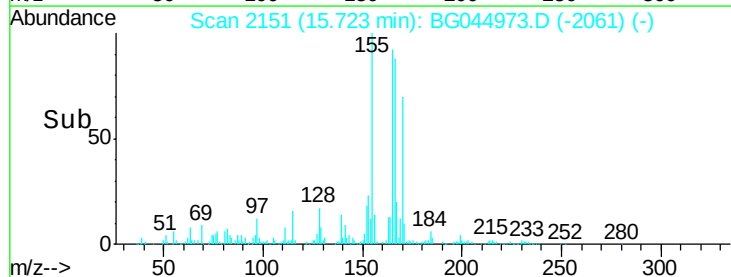
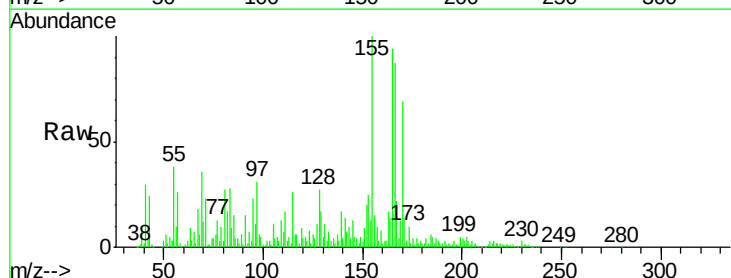
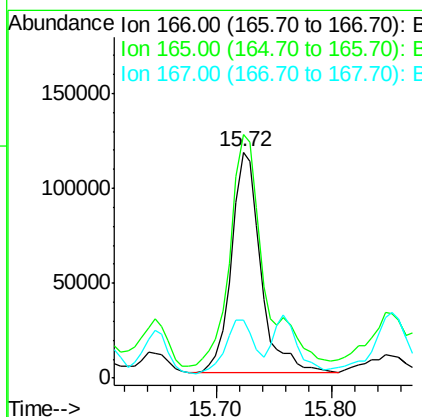
RT: 15.72 min Scan# 2151

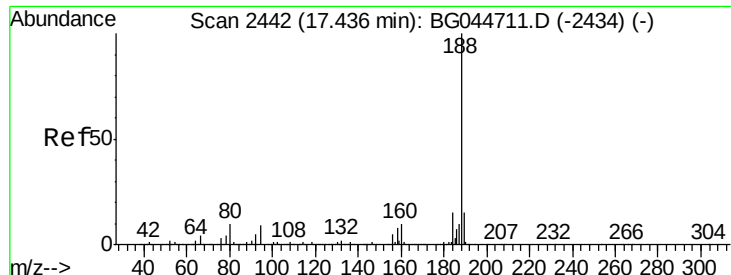
Delta R.T. -0.00 min

Lab File: BG044973.D

Acq: 8 Apr 2020 12:39

Tgt Ion:	166	Resp:	205997
Ion Ratio	Lower	Upper	
166	100		
165	107.7	79.7	119.5
167	25.8	10.6	16.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. 0.01 min

Lab File: BG044973.D

Acq: 8 Apr 2020 12:39

Instrument :

BNA_G

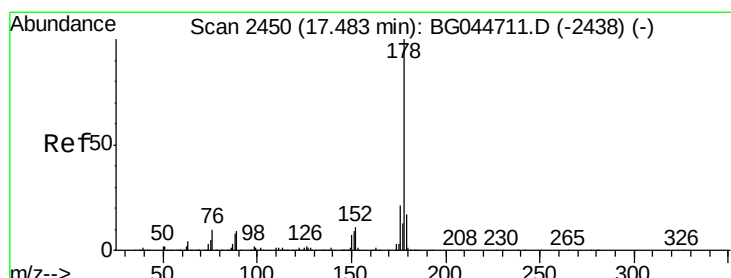
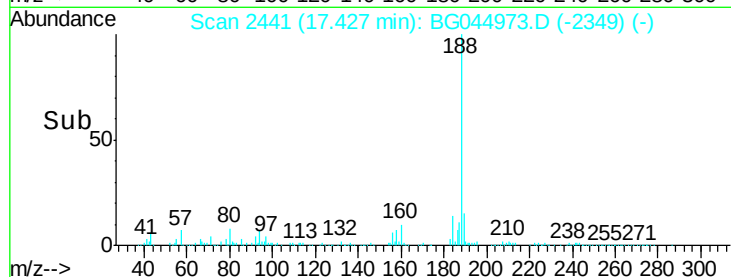
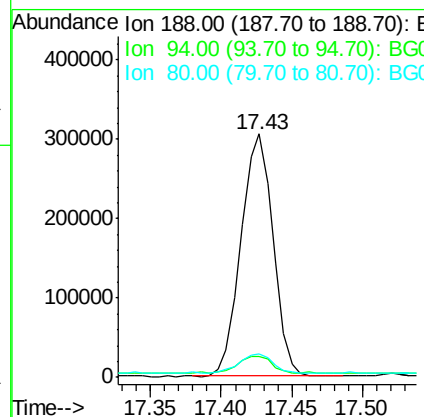
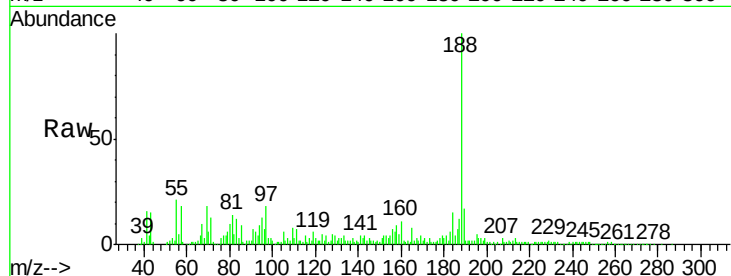
ClientSampleId :

SB-3K-(0-2)DL

Tot Ion:188	Resp: 484790
Ion Ratio	Lower Upper
188 100	
94 8.7	7.3 10.9
80 9.7	8.0 12.0

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#71

Phenanthrene

Concen: 45.783 ng

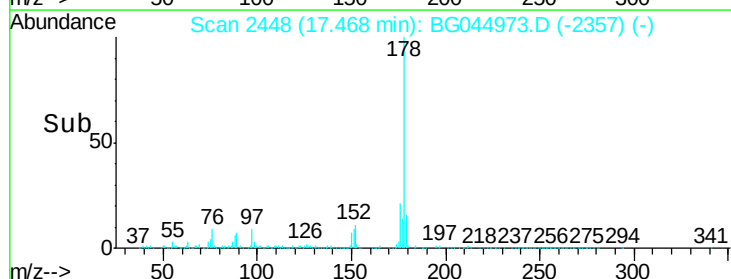
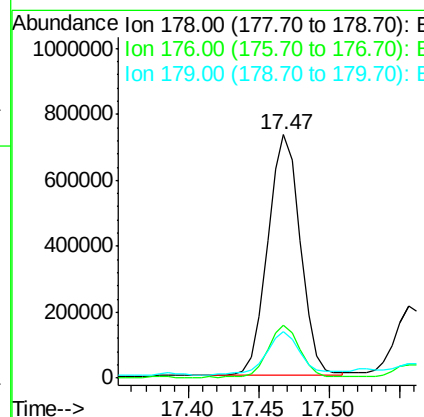
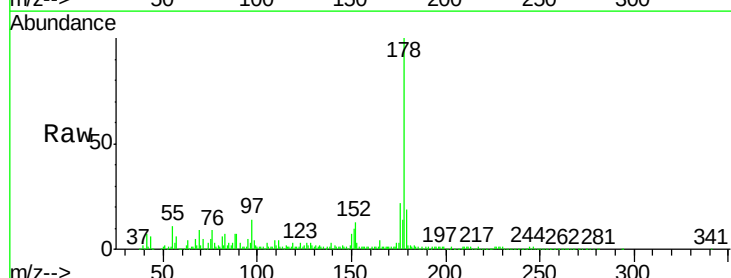
RT: 17.47 min Scan# 2448

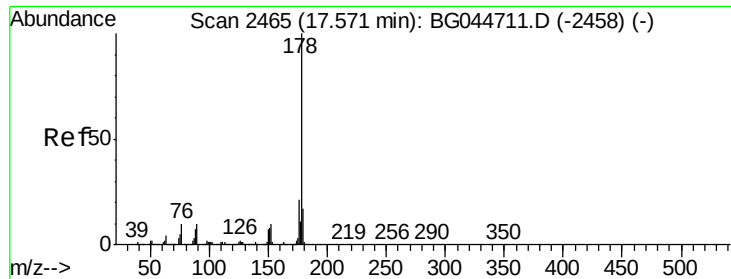
Delta R.T. 0.00 min

Lab File: BG044973.D

Acq: 8 Apr 2020 12:39

Tgt Ion:178	Resp: 1186071
Ion Ratio	Lower Upper
178 100	
176 21.8	16.6 24.8
179 18.9	13.5 20.3





#72

Anthracene

Concen: 13.040 ng

RT: 17.56 min Scan# 2463

Delta R.T. 0.00 min

Lab File: BG044973.D

Acq: 8 Apr 2020 12:39

Instrument :

BNA_G

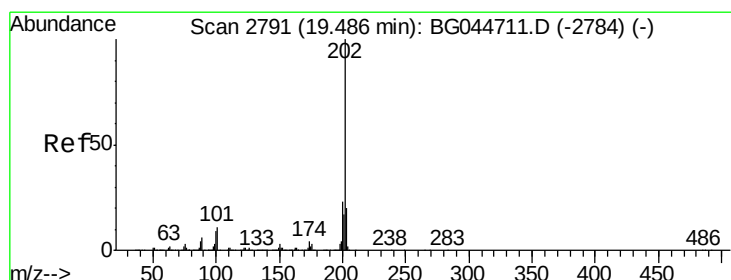
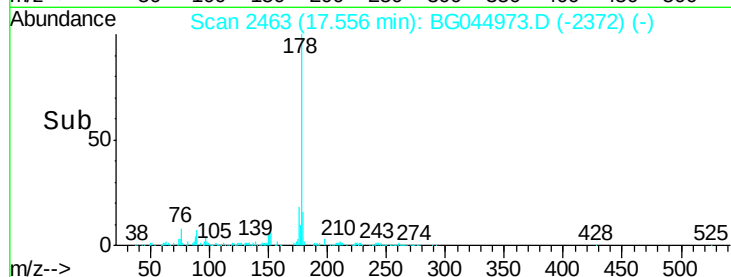
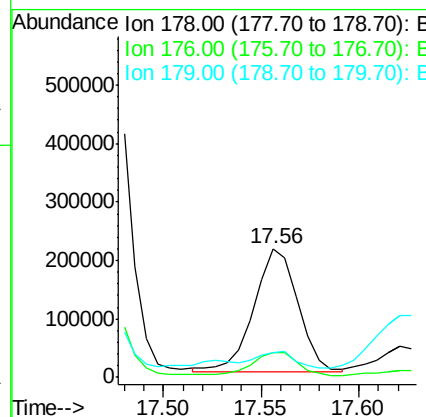
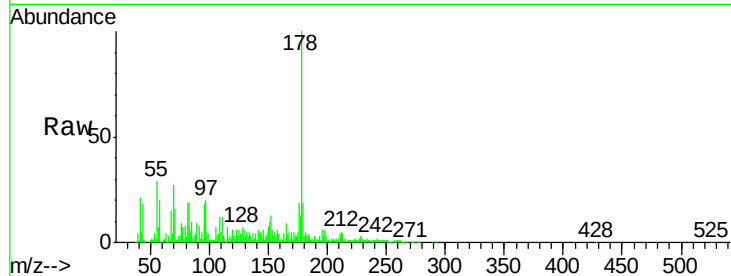
ClientSampleId :

SB-3K-(0-2)DL

Tot Ion:	178	Resp:	333121
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.9	23.9
179	19.2	13.2	19.8

Manual Integrations
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#75

Fluoranthene

Concen: 27.407 ng

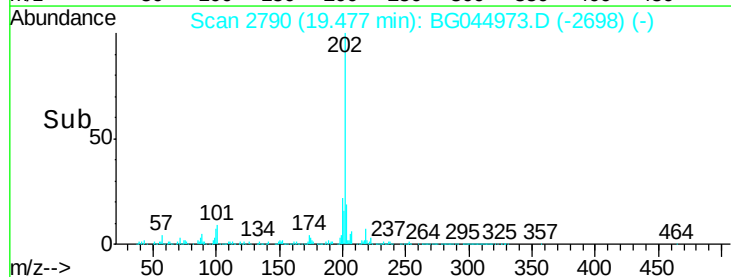
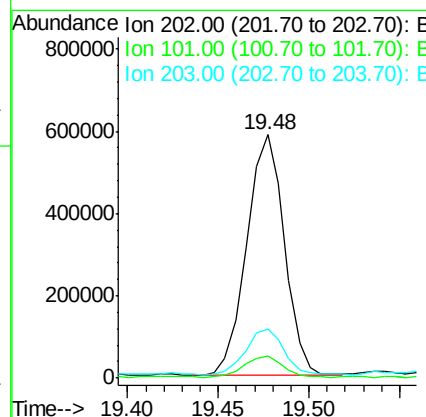
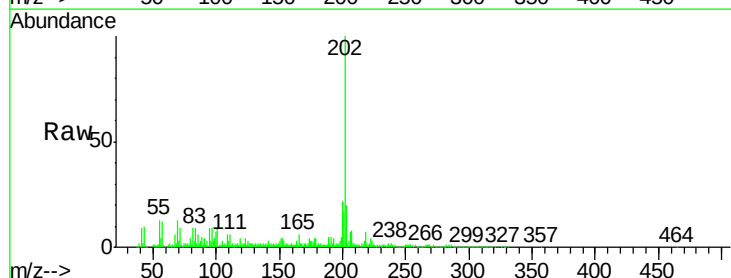
RT: 19.48 min Scan# 2790

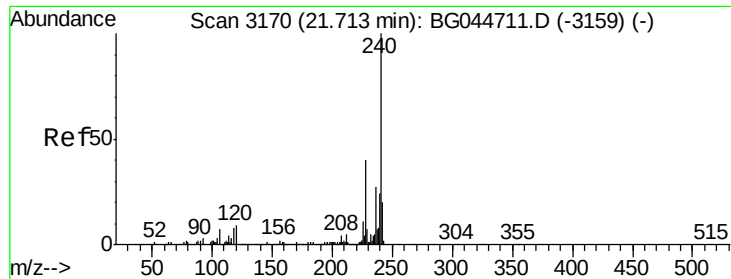
Delta R.T. 0.01 min

Lab File: BG044973.D

Acq: 8 Apr 2020 12:39

Tgt Ion:	202	Resp:	845401
Ion Ratio	Lower	Upper	
202	100		
101	9.0	0.0	29.8
203	20.2	0.0	39.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3168

Delta R.T. 0.01 min

Lab File: BG044973.D

Acq: 8 Apr 2020 12:39

Instrument :

BNA_G

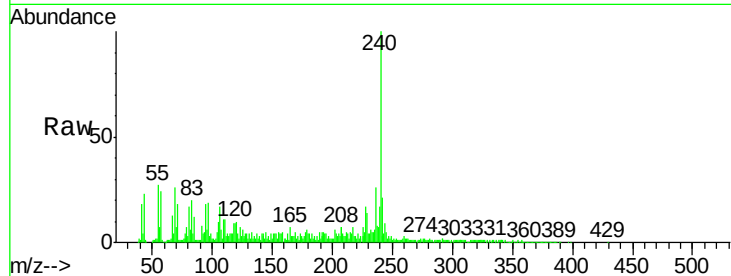
ClientSampleId :

SB-3K-(0-2)DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.3	6.7	10.1#
236	25.9	21.5	32.3

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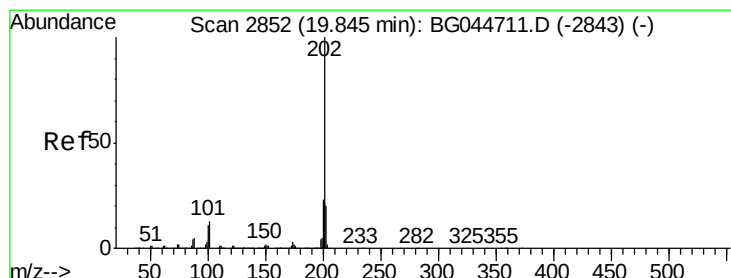
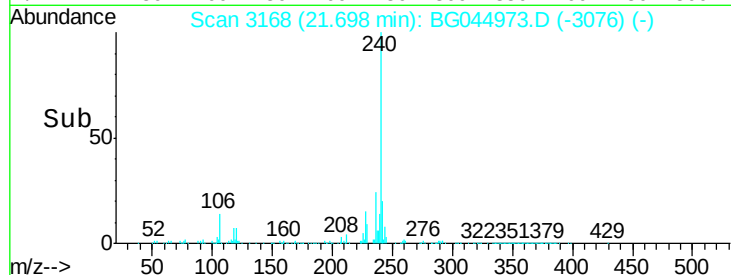
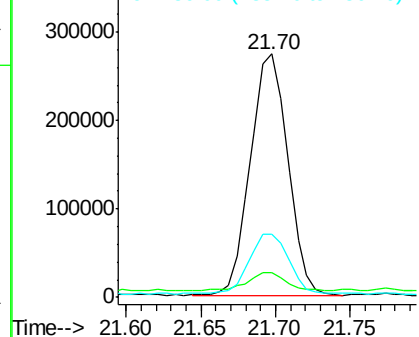
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 23.257 ng

RT: 19.84 min Scan# 2851

Delta R.T. 0.01 min

Lab File: BG044973.D

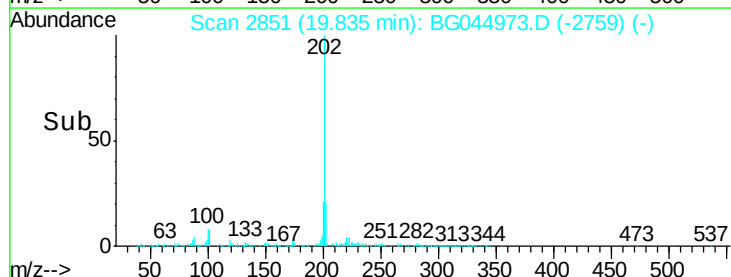
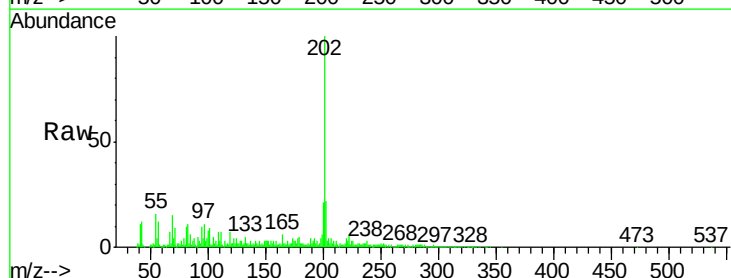
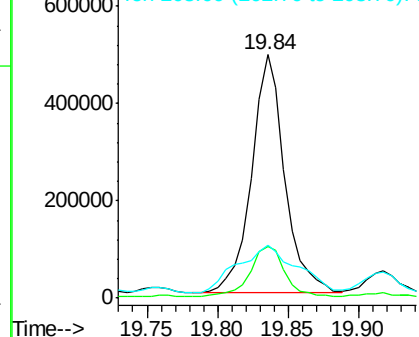
Acq: 8 Apr 2020 12:39

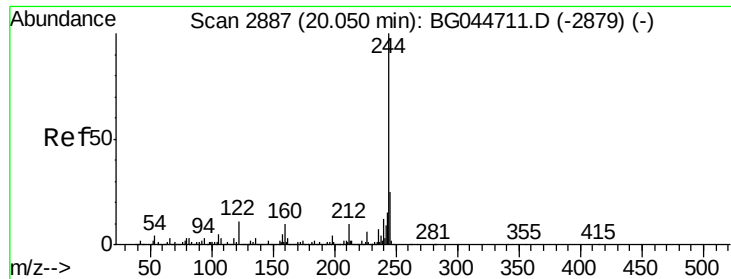
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	18.3	27.5
203	22.0	15.6	23.4

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: 10.251 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.00 min

Lab File: BG044973.D

Acq: 8 Apr 2020 12:39

Instrument :

BNA_G

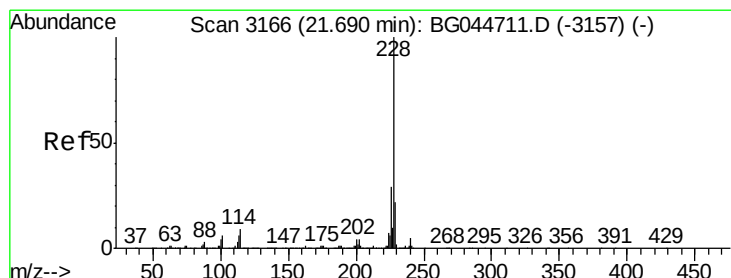
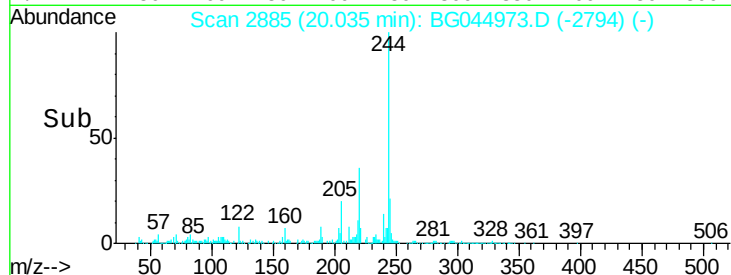
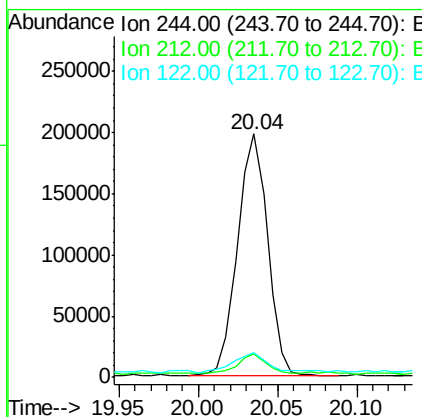
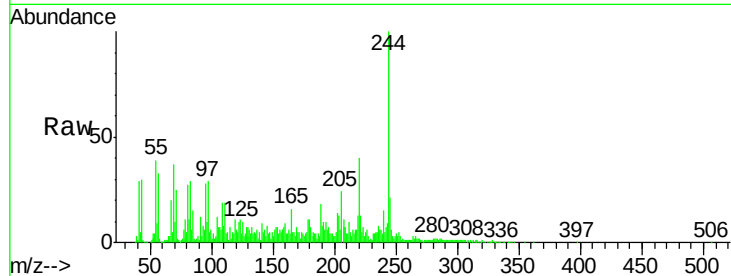
ClientSampled :

SB-3K-(0-2)DL

Tot Ion:	244	Resp:	259245
Ion Ratio		Lower	Upper
244	100		
212	9.7	7.7	11.5
122	9.9	8.6	12.8

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#81

Benzo(a)anthracene

Concen: 9.625 ng

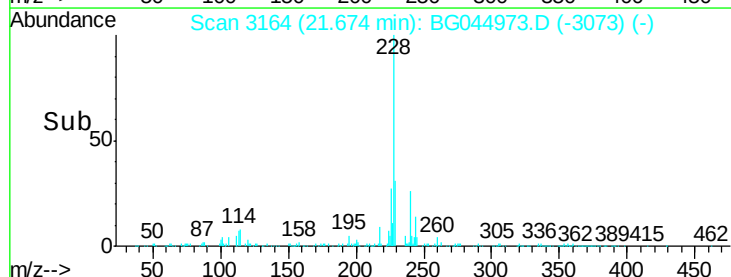
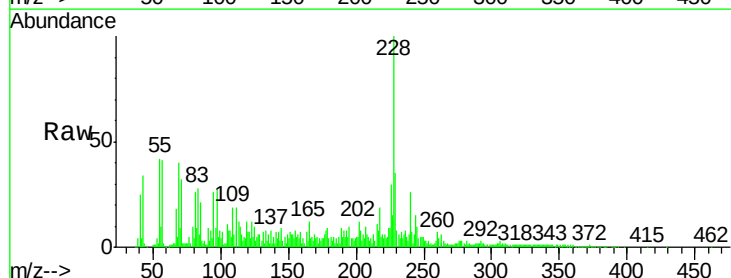
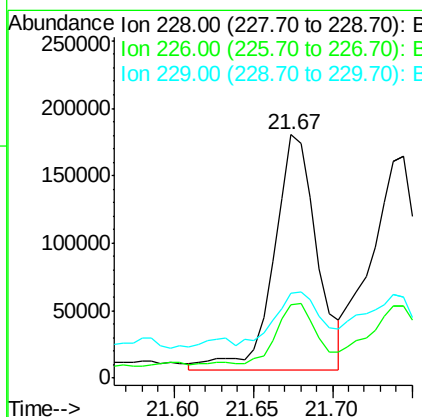
RT: 21.67 min Scan# 3164

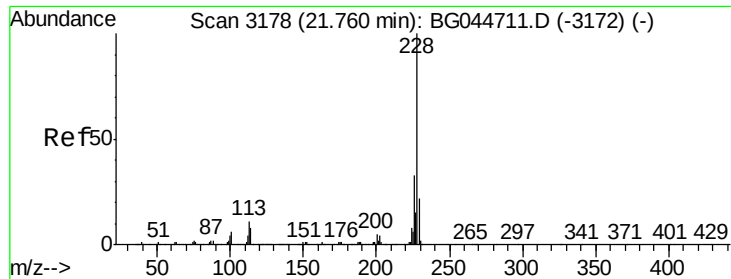
Delta R.T. 0.00 min

Lab File: BG044973.D

Acq: 8 Apr 2020 12:39

Tgt Ion:	228	Resp:	327834
Ion Ratio		Lower	Upper
228	100		
226	30.3	23.6	35.4
229	34.7	17.1	25.7#





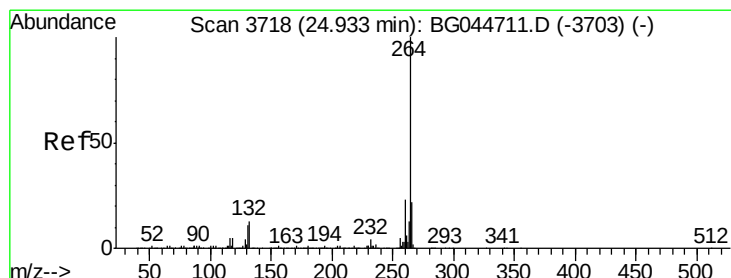
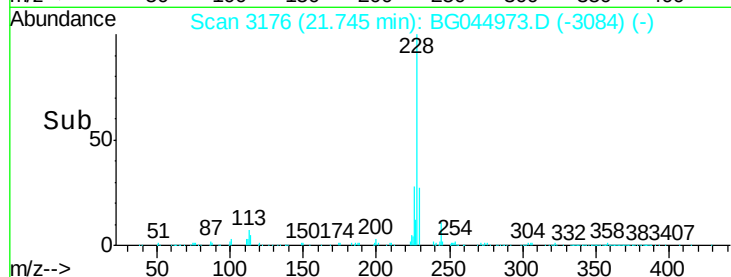
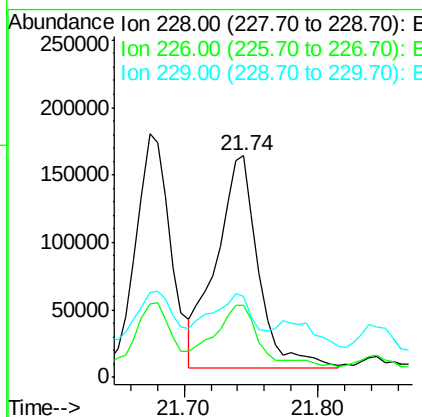
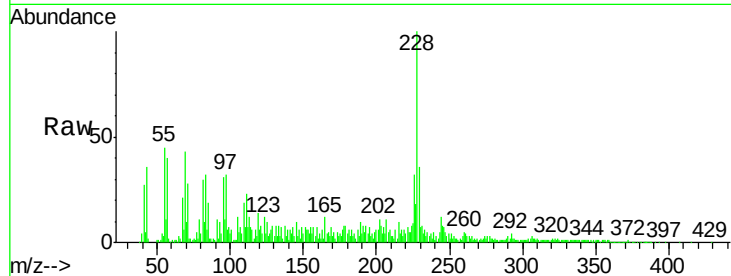
#83
Chrysene
Concen: 10.687 ng
RT: 21.74 min Scan# 3176
Delta R.T. 0.01 min
Lab File: BG044973.D
Acq: 8 Apr 2020 12:39

Instrument :
BNA_G
ClientSampleId :
SB-3K-(0-2)DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	32.4	25.9	38.9		
229	36.4	17.4	26.0		

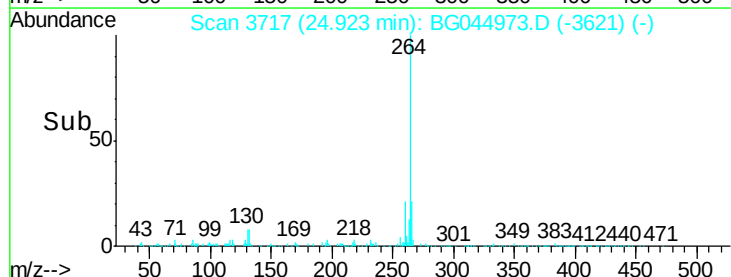
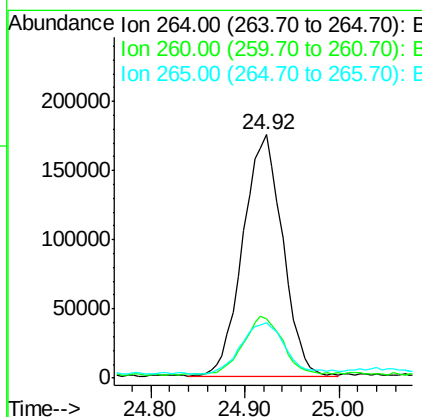
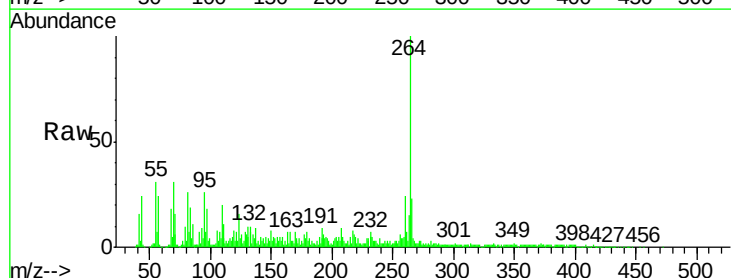
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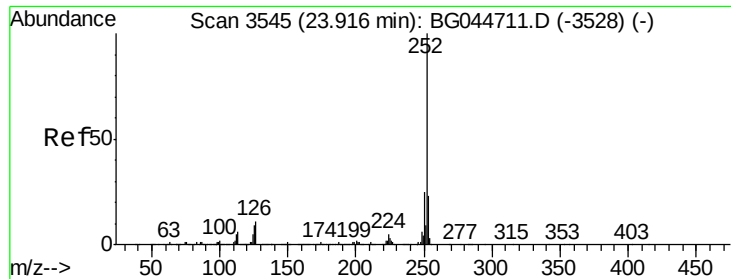
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#87
Perylene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3717
Delta R.T. 0.03 min
Lab File: BG044973.D
Acq: 8 Apr 2020 12:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	24.2	18.1	27.1		
265	22.6	17.1	25.7		





#88

Benzo(b)fluoranthene

Concen: 6.318 ng

RT: 23.90 min Scan# 3543

Delta R.T. 0.02 min

Lab File: BG044973.D

Acq: 8 Apr 2020 12:39

Instrument :

BNA_G

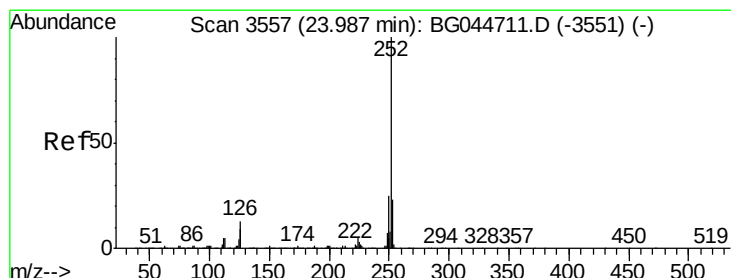
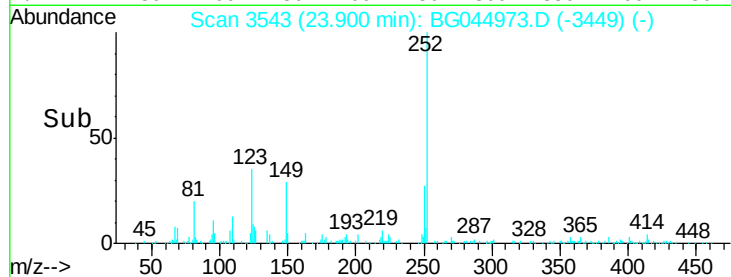
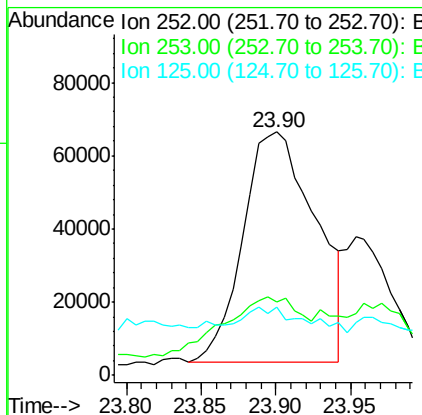
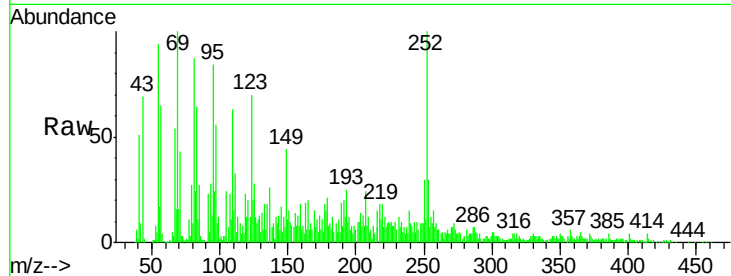
ClientSampleId :

SB-3K-(0-2)DL

Tot Ion:	252	Resp:	212674
Ion Ratio	Lower	Upper	
252	100		
253	30.0	18.1	27.1#
125	27.9	6.6	9.8#

Manual Integrations
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#89

Benzo(k)fluoranthene

Concen: 2.517 ng m

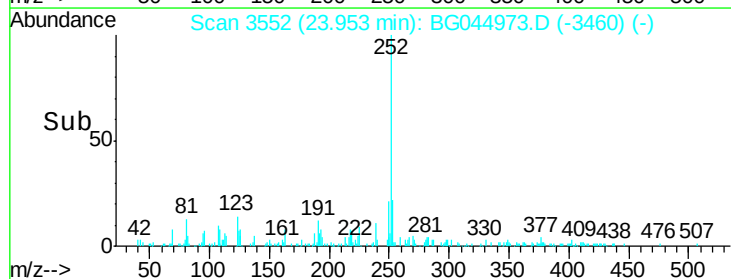
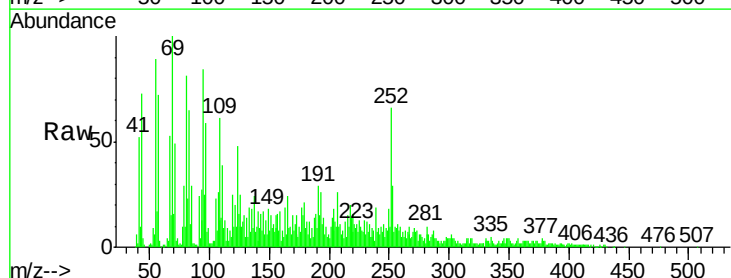
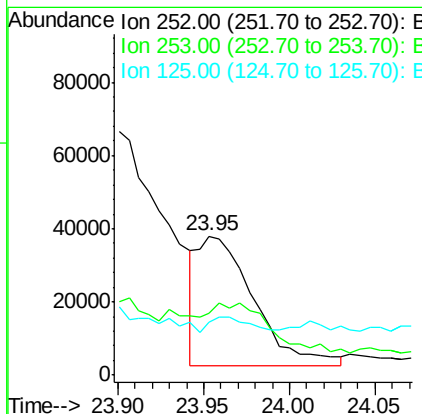
RT: 23.95 min Scan# 3552

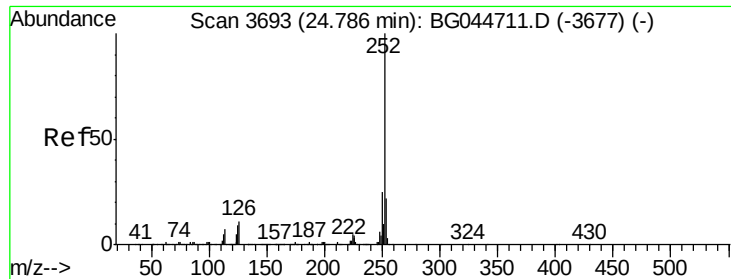
Delta R.T. 0.01 min

Lab File: BG044973.D

Acq: 8 Apr 2020 12:39

Tgt Ion:	252	Resp:	80159
Ion Ratio	Lower	Upper	
252	100		
253	44.1	18.5	27.7#
125	37.8	6.2	9.2#





#90

Benzo(a)pyrene

Concen: 5.224 ng

RT: 24.76 min Scan# 3690

Delta R.T. 0.02 min

Lab File: BG044973.D

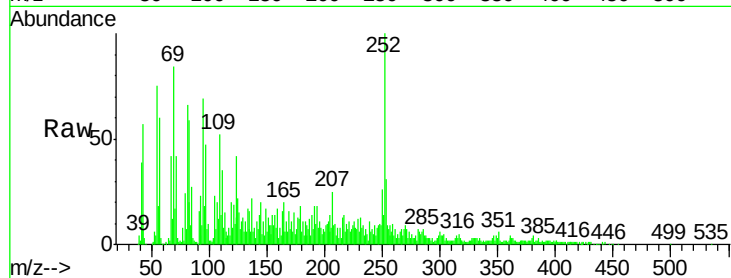
Acq: 8 Apr 2020 12:39

Instrument :

BNA_G

ClientSampleId :

SB-3K-(0-2)DL



Tot Ion	Ratio	Lower	Upper
252	100		
253	30.8	19.4	29.0#
125	21.6	7.2	10.8#

Manual Integrations
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