

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082919\
 Data File : BG042561.D
 Acq On : 29 Aug 2019 12:25
 Operator : HP/JU
 Sample : K4521-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PX-05

Manual Integrations
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Quant Time: Aug 29 13:15:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	33368	20.00	ng	-0.01
21) Naphthalene-d8	10.81	136	116968	20.00	ng	-0.01
39) Acenaphthene-d10	14.66	164	81012	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	196720	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	269900	20.00	ng	-0.01
87) Perylene-d12	24.93	264	330245	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	156072	94.73	ng	0.00
7) Phenol-d6	7.16	99	205592	92.38	ng	-0.01
23) Nitrobenzene-d5	9.16	82	117499	69.42	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	143803	124.89	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	346751	72.39	ng	0.00
79) Terphenyl-d14	20.02	244	776205	62.17	ng	0.00
Target Compounds						
10) Phenol	7.19	94	9455	4.179	ng	Qvalue 84
50) Dimethylphthalate	14.10	163	27072	4.631	ng	# 99
71) Phenanthrene	17.45	178	123508	12.640	ng	98
72) Anthracene	17.54	178	28132	2.884	ng	96
75) Fluoranthene	19.46	202	192442	16.137	ng	96
78) Pyrene	19.82	202	169262	10.229	ng	96
81) Benzo(a)anthracene	21.67	228	109129	6.647	ng	98
83) Chrysene	21.73	228	92762	5.858	ng	97
86) Indeno(1,2,3-cd)pyrene	28.62	276	70718	3.286	ng	# 96
88) Benzo(b)fluoranthene	23.90	252	131940	7.267	ng	# 7
89) Benzo(k)fluoranthene	23.96	252	37565m	2.153	ng	
90) Benzo(a)pyrene	24.77	252	93339	5.418	ng	# 97
92) Benzo(a,h,i)perylene	29.78	276	54893	3.146	ng	94

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

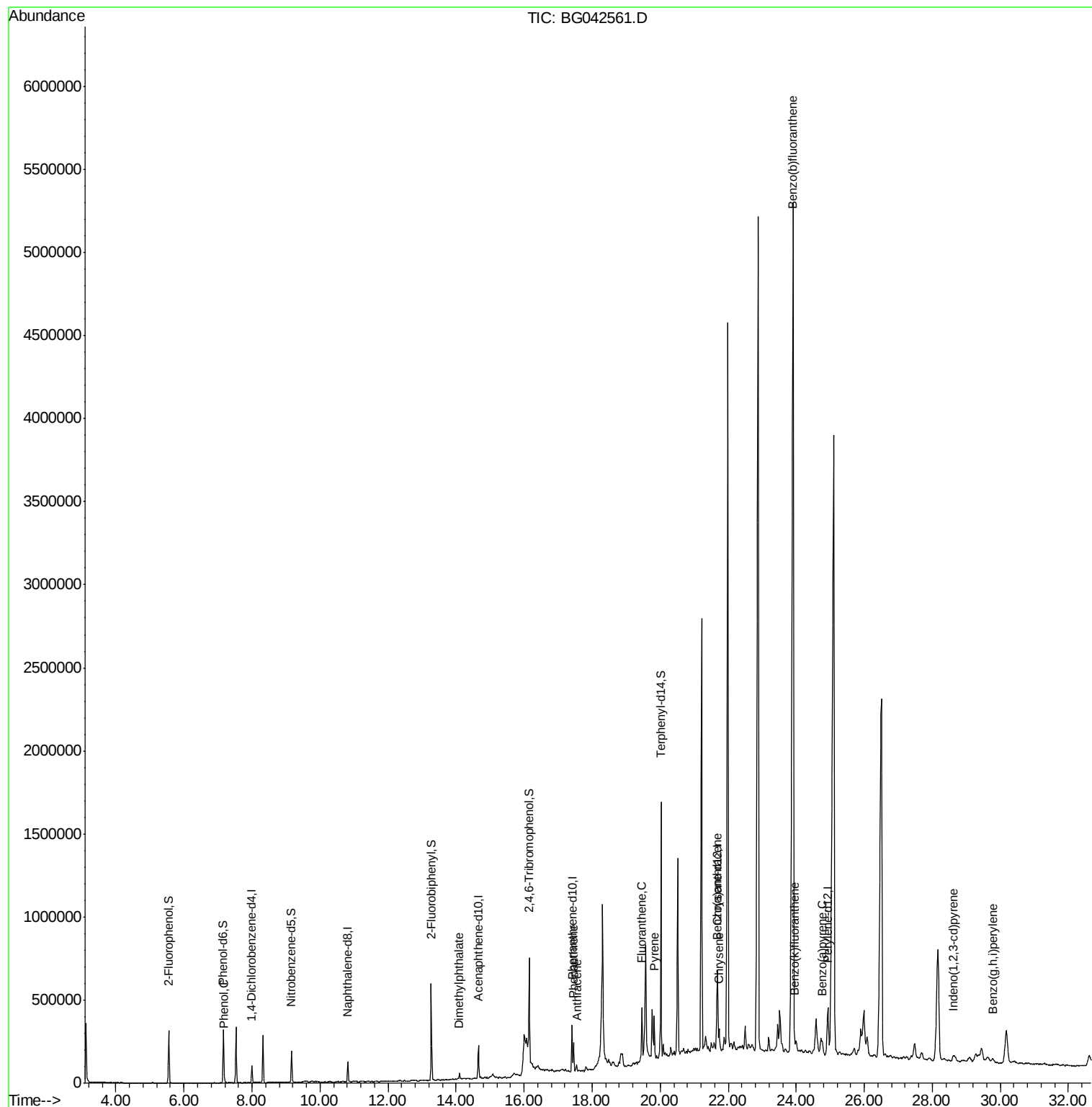
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082919\
Data File : BG042561.D
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Operator : HP/JU
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#1

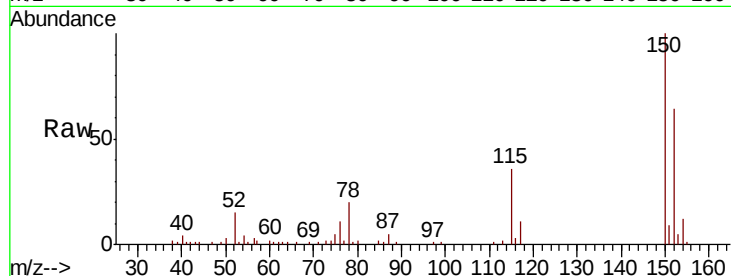
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042561.D
Acq: 29 Aug 2019 12:25

Instrument :
BNA_G
ClientSampleId :
PX-05

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	125.4	188.0
115	56.9	38.5	57.7

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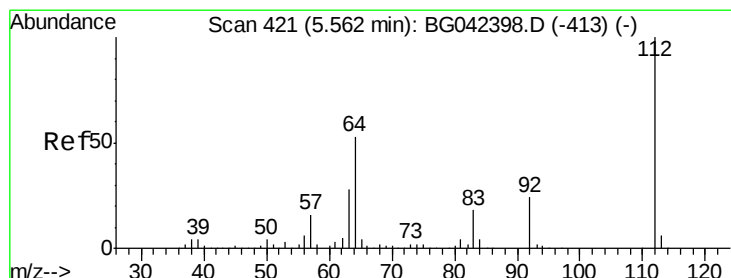
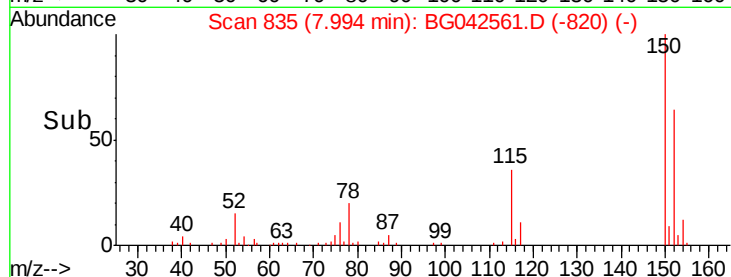
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

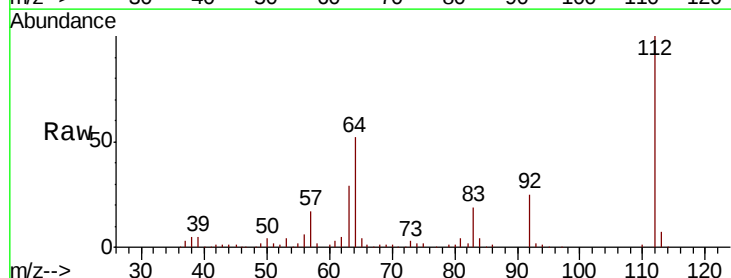
Time-->



#5

2-Fluorophenol
Concen: 94.729 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042561.D
Acq: 29 Aug 2019 12:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.8	42.8	64.2
63	28.7	22.7	34.1



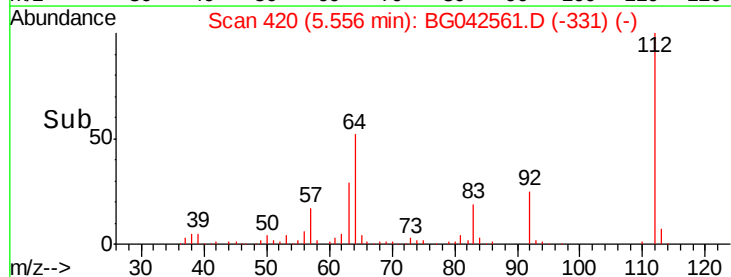
Abundance

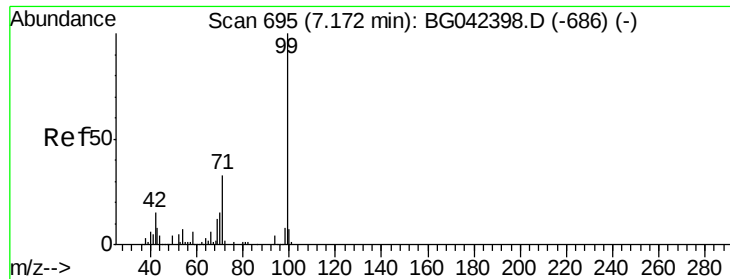
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Time-->





#7

Phenol-d6

Concen: 92.381 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042561.D

Acq: 29 Aug 2019 12:25

Instrument :

BNA_G

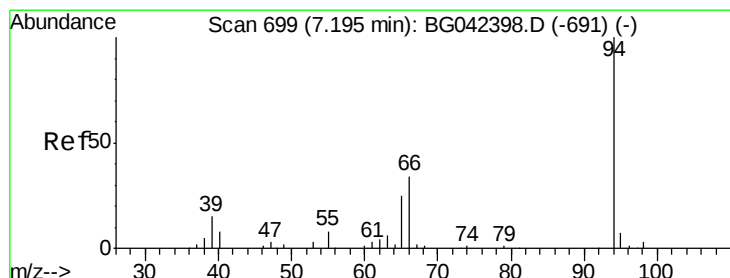
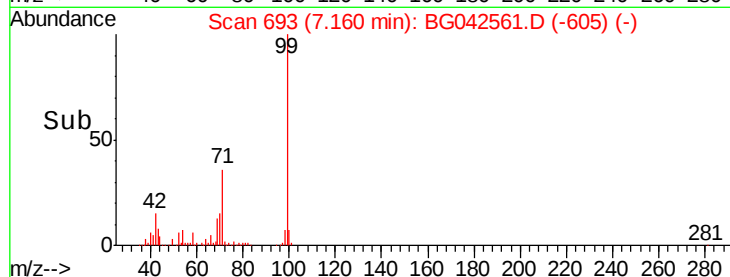
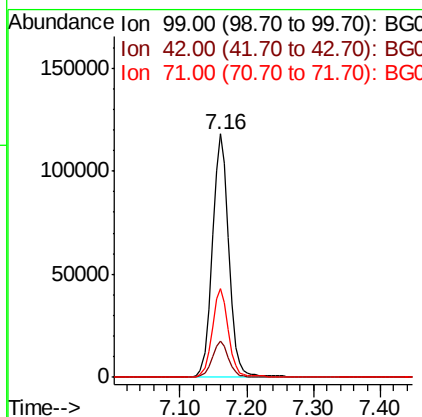
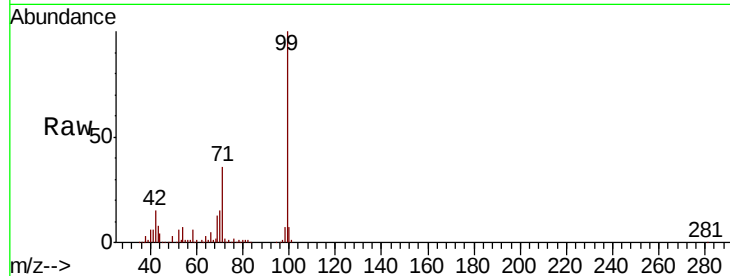
ClientSampleId :

PX-05

Tot Ion:	99	Resp:	205592
Ion Ratio	Lower	Upper	
99	100		
42	14.8	12.0	18.0
71	36.5	26.3	39.5

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#10

Phenol

Concen: 4.179 ng

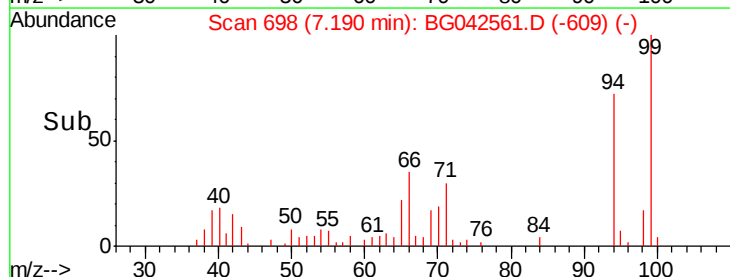
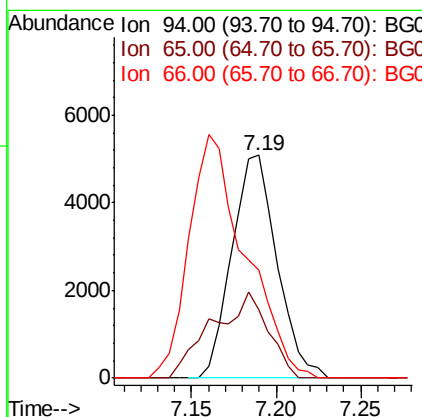
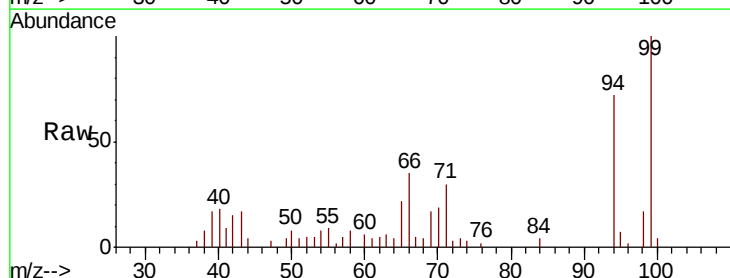
RT: 7.19 min Scan# 698

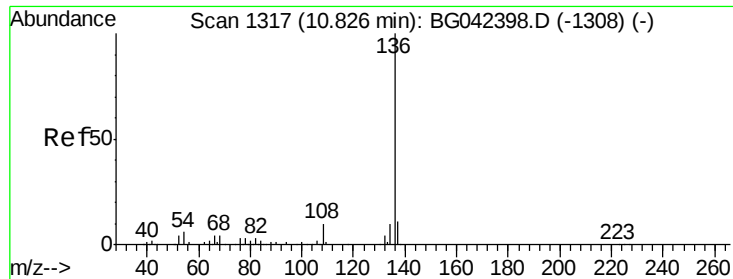
Delta R.T. -0.01 min

Lab File: BG042561.D

Acq: 29 Aug 2019 12:25

Tgt Ion:	94	Resp:	9455
Ion Ratio	Lower	Upper	
94	100		
65	30.4	5.6	45.6
66	48.2	16.0	56.0





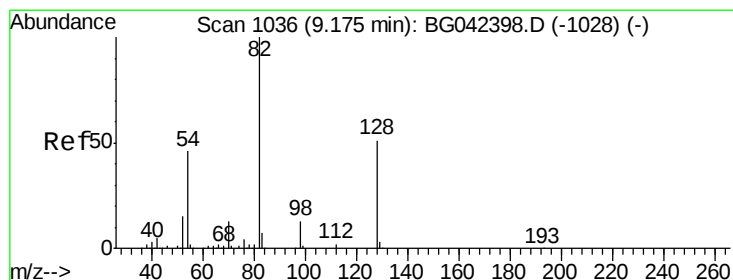
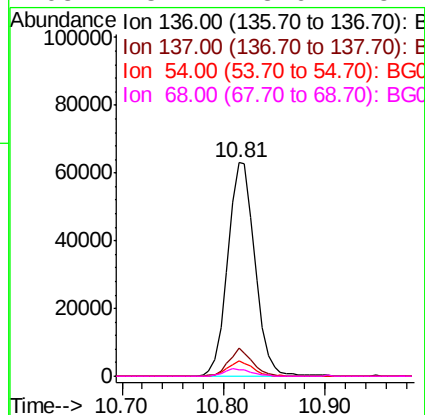
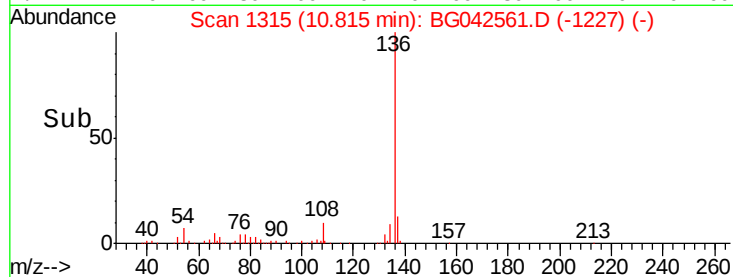
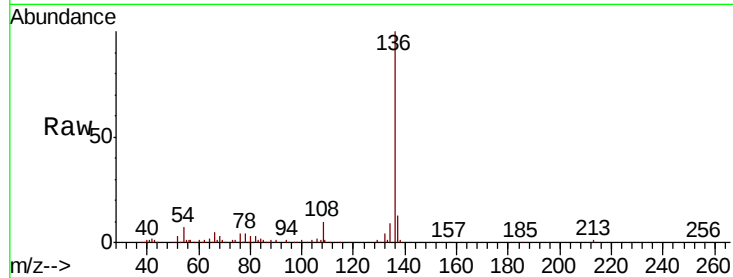
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BG042561.D
Acq: 29 Aug 2019 12:25

Instrument :
BNA_G
ClientSampled :
PX-05

Tot Ion	Ratio	Resp	Lower	Upper
136	100	116968		
137	13.0	8.7	13.1	
54	7.0	4.9	7.3	
68	3.2	3.6	5.4	

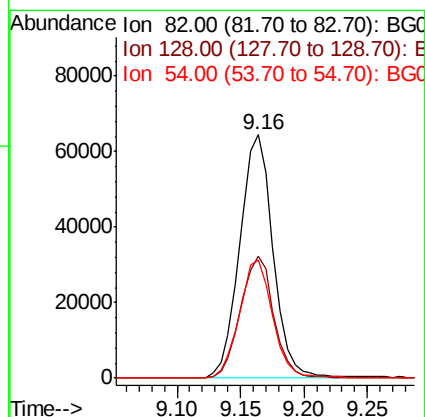
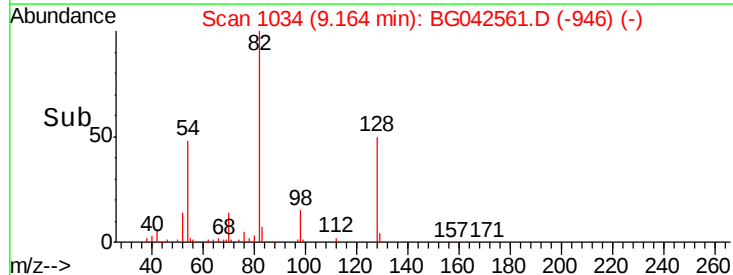
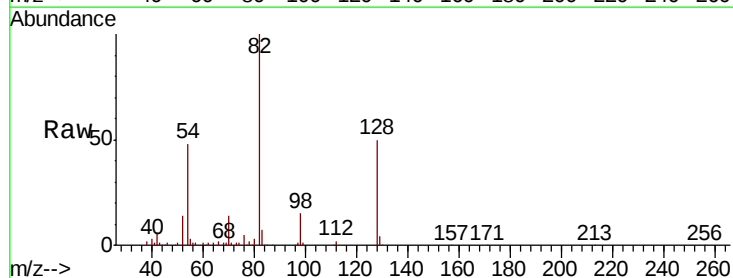
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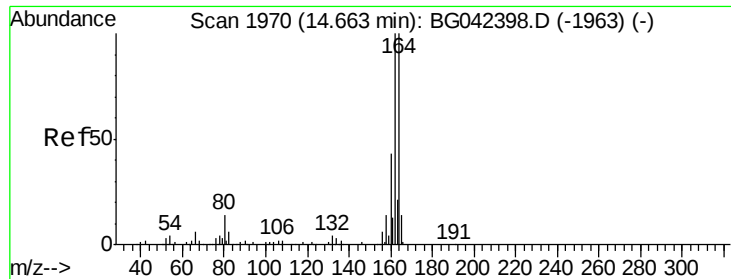
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#23
Nitrobenzene-d5
Concen: 69.418 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042561.D
Acq: 29 Aug 2019 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	117499		
128	50.3	40.7	61.1	
54	48.4	36.3	54.5	





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BG042561.D

Acq: 29 Aug 2019 12:25

Instrument :

BNA_G

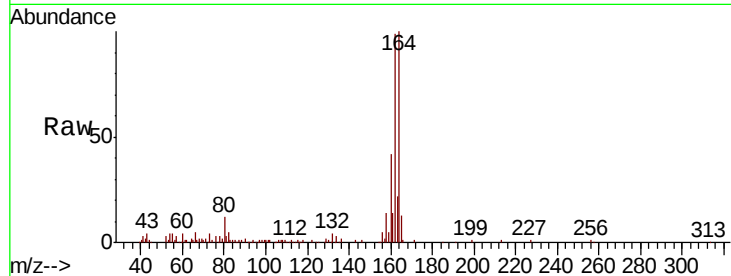
ClientSampleId :

PX-05

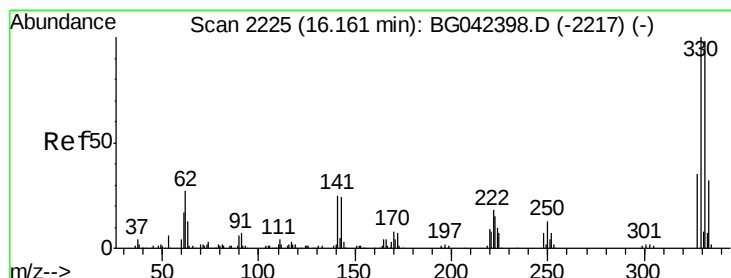
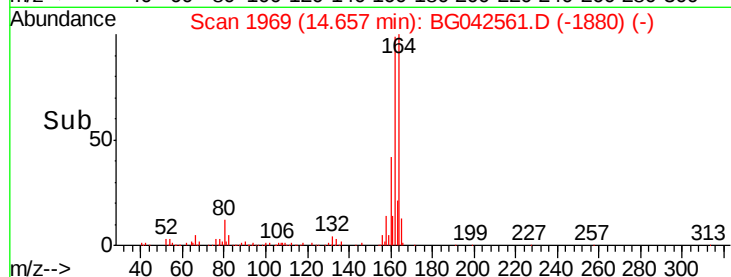
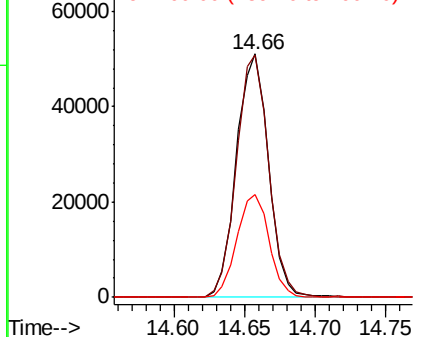
Tot Ion:	164	Resp:	81012
Ion Ratio	Lower	Upper	
164	100		
162	99.3	79.9	119.9
160	42.3	34.3	51.5

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 124.888 ng

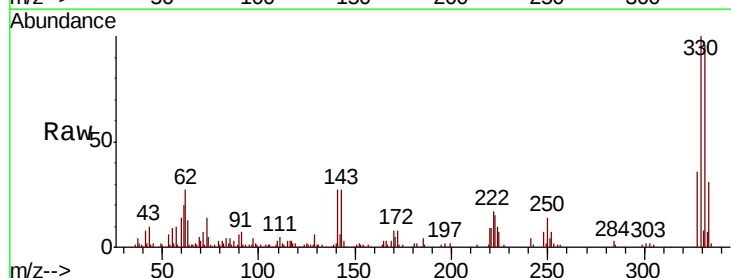
RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

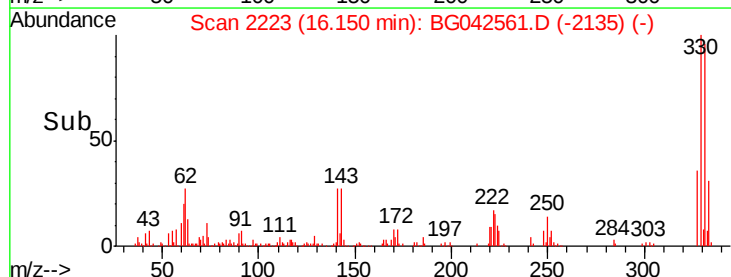
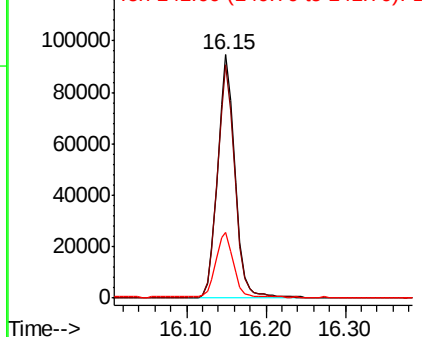
Lab File: BG042561.D

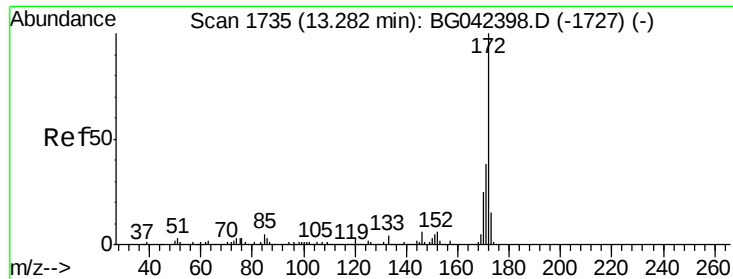
Acq: 29 Aug 2019 12:25

Tgt Ion:	330	Resp:	143803
Ion Ratio	Lower	Upper	
330	100		
332	96.5	77.4	116.0
141	27.0	21.4	32.0



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





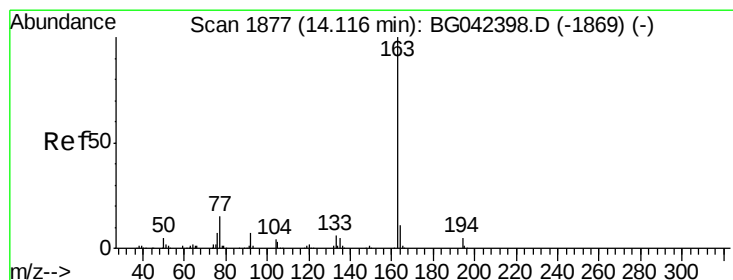
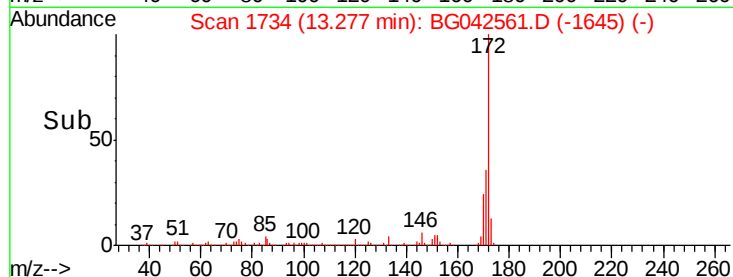
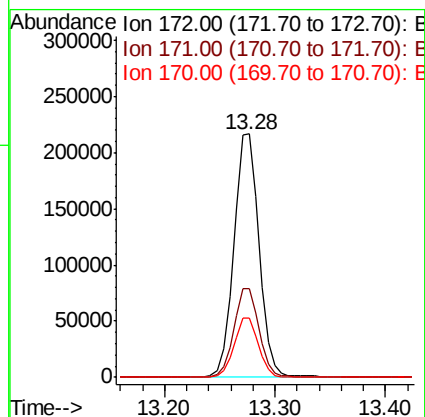
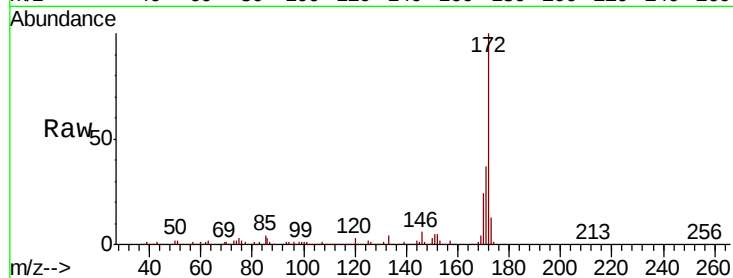
#45
2-Fluorobiphenyl
Concen: 72.391 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.01 min
Lab File: BG042561.D
Acq: 29 Aug 2019 12:25

Instrument :
BNA_G
ClientSampled :
PX-05

Tot Ion:	172	Resp:	346751
Ion Ratio	Lower	Upper	
172	100		
171	36.6	30.5	45.7
170	24.4	20.2	30.2

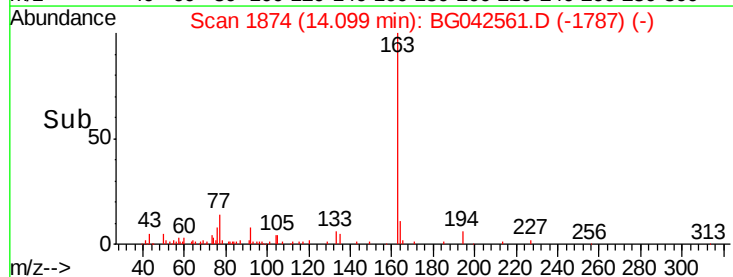
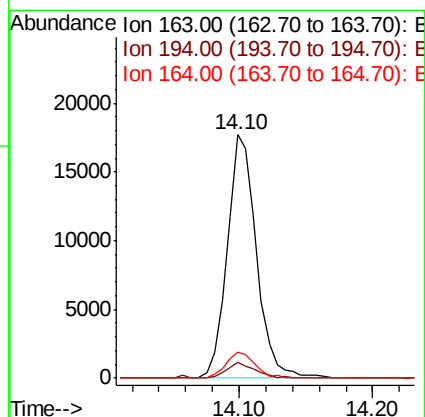
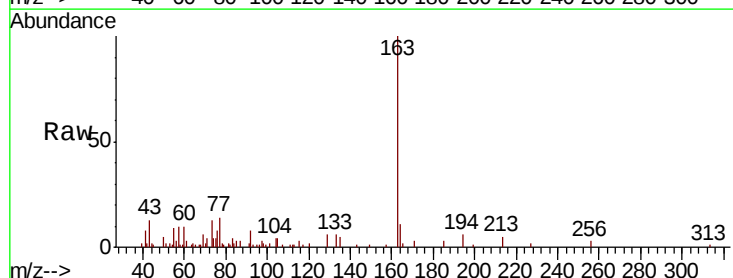
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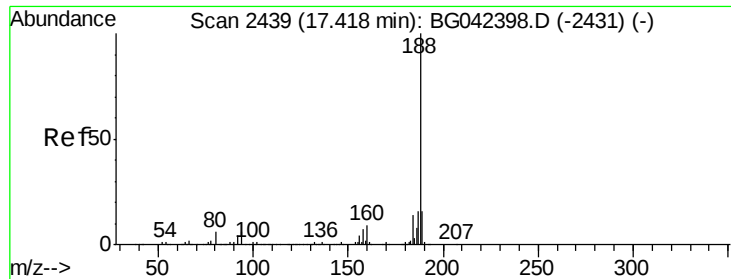
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#50
Dimethylphthalate
Concen: 4.631 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.02 min
Lab File: BG042561.D
Acq: 29 Aug 2019 12:25

Tgt Ion:	163	Resp:	27072
Ion Ratio	Lower	Upper	
163	100		
194	6.3	4.2	6.2#
164	10.8	8.8	13.2





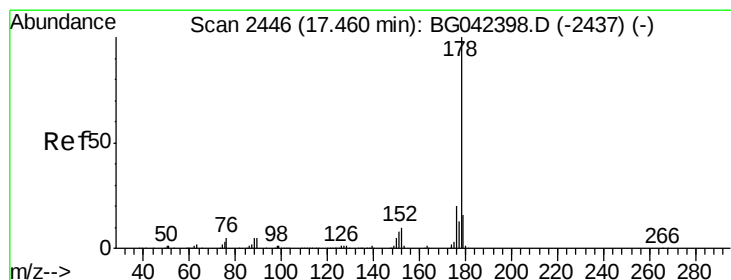
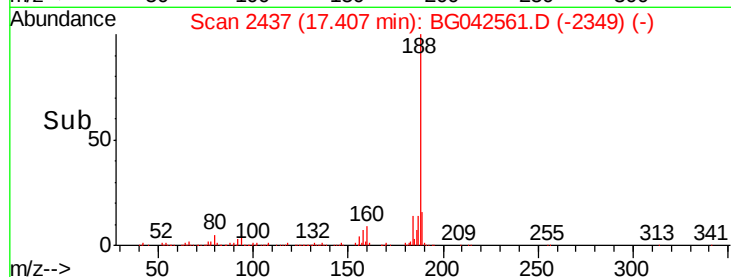
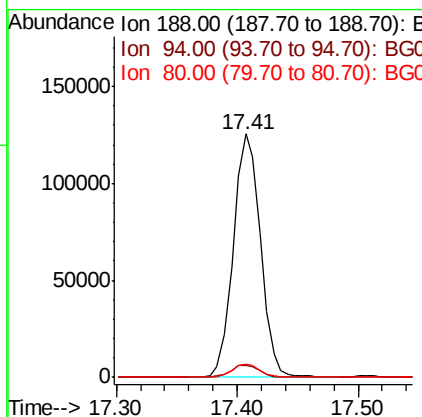
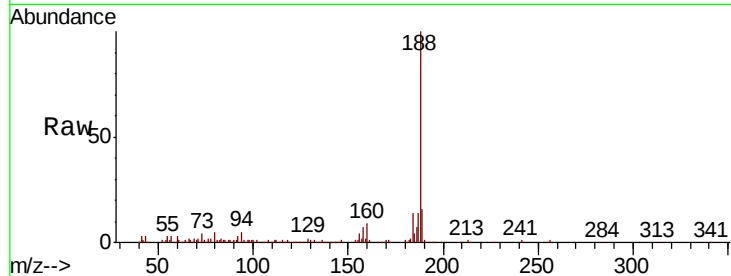
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2437
Delta R.T. -0.01 min
Lab File: BG042561.D
Acq: 29 Aug 2019 12:25

Instrument :
BNA_G
ClientSampleId :
PX-05

Tot Ion	Ratio	Resp	Lower	Upper
188	100	196720		
94	5.0		4.5	6.7
80	5.4		4.9	7.3

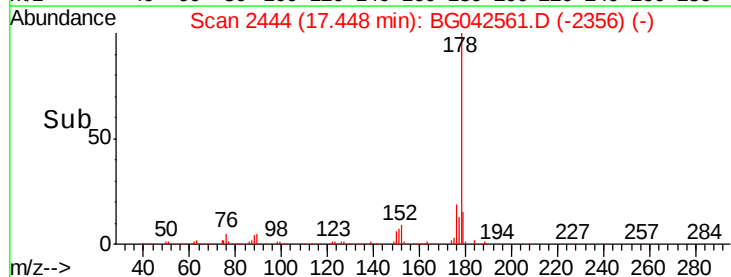
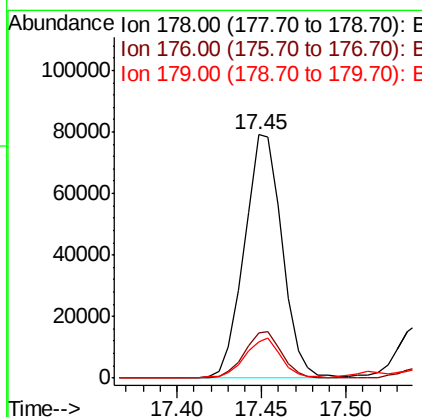
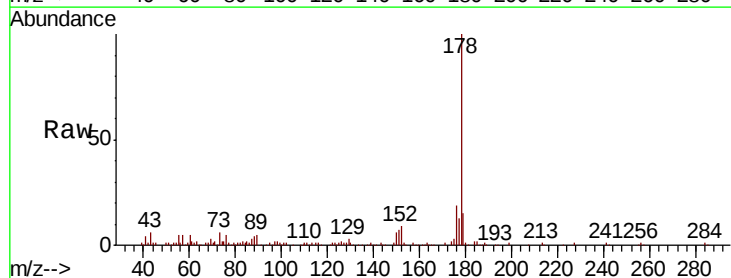
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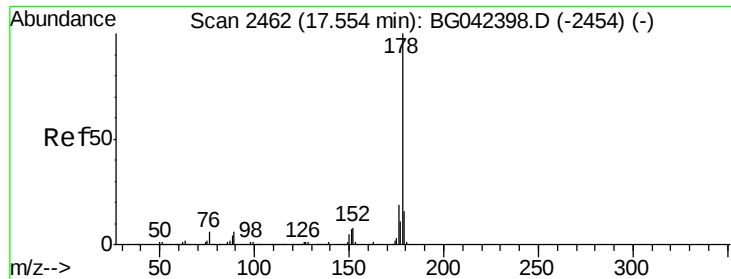
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#71
Phenanthrene
Concen: 12.640 ng
RT: 17.45 min Scan# 2444
Delta R.T. -0.01 min
Lab File: BG042561.D
Acq: 29 Aug 2019 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	123508		
176	18.7		15.9	23.9
179	14.9		12.7	19.1





#72

Anthracene

Concen: 2.884 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG042561.D

Acq: 29 Aug 2019 12:25

Instrument :

BNA_G

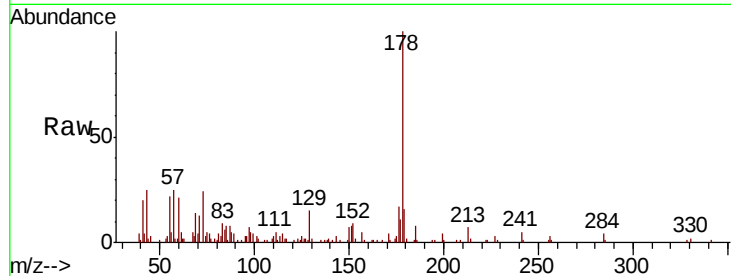
ClientSampled :

PX-05

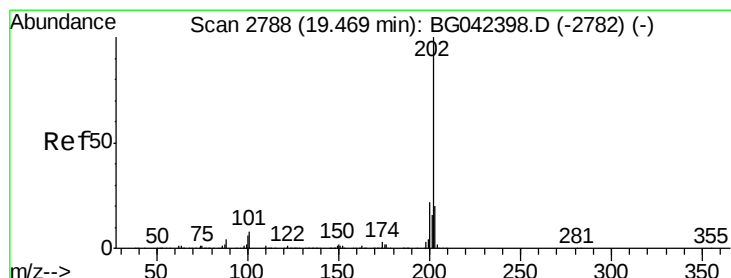
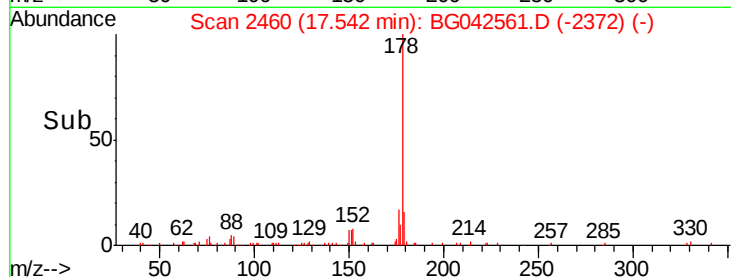
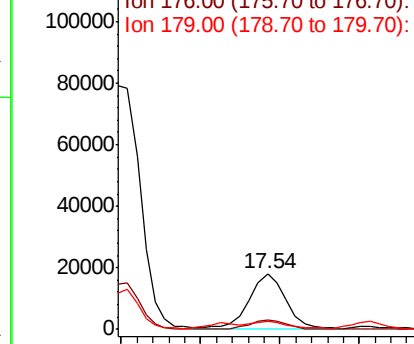
Tot Ion:	178	Resp:	28132
Ion Ratio	Lower	Upper	
178	100		
176	16.6	15.5	23.3
179	15.7	12.9	19.3

Manual Integrations
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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



#75

Fluoranthene

Concen: 16.137 ng

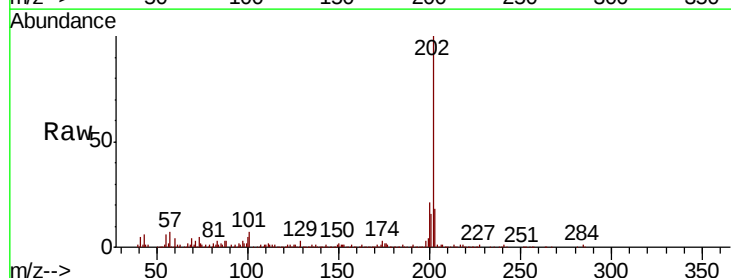
RT: 19.46 min Scan# 2787

Delta R.T. -0.01 min

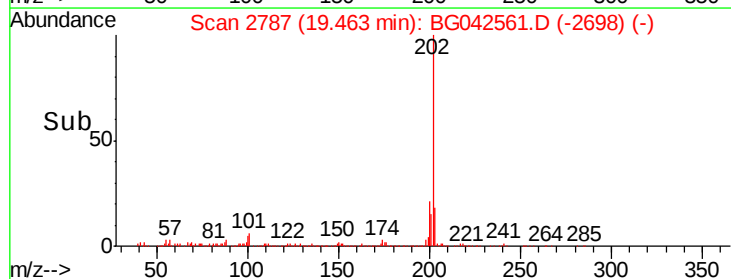
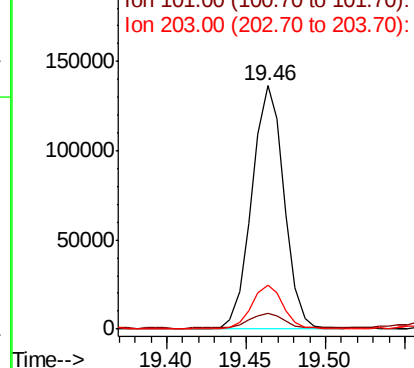
Lab File: BG042561.D

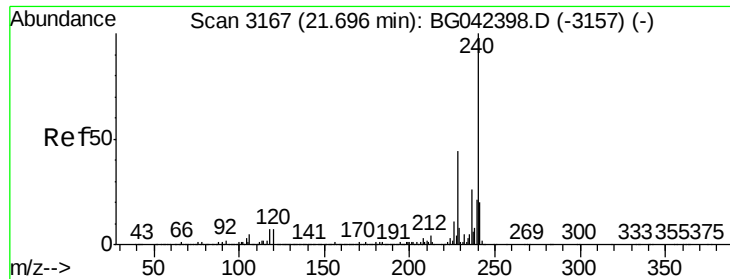
Acq: 29 Aug 2019 12:25

Tgt Ion:	202	Resp:	192442
Ion Ratio	Lower	Upper	
202	100		
101	6.6	0.0	28.3
203	18.2	0.0	39.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BG042561.D

Acq: 29 Aug 2019 12:25

Instrument :

BNA_G

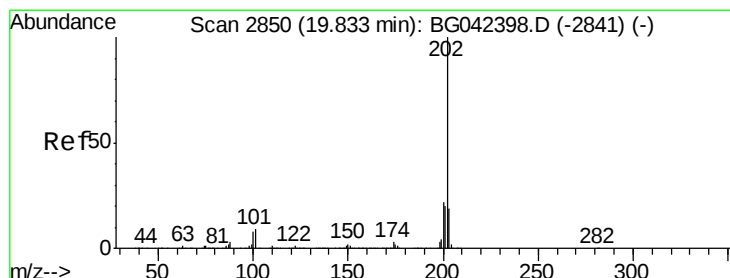
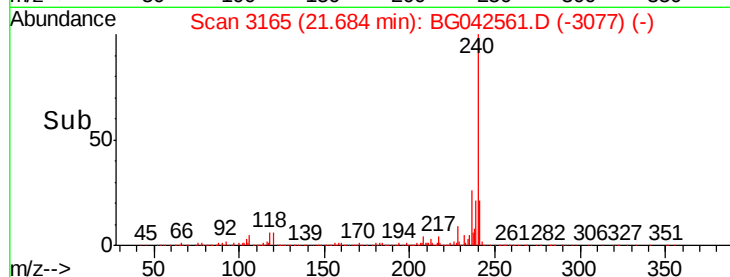
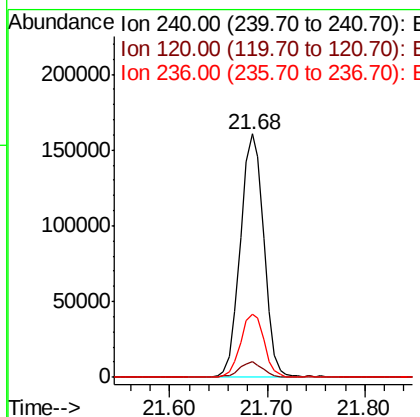
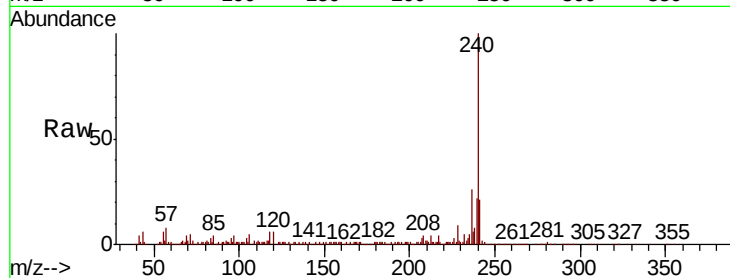
ClientSampleId :

PX-05

Tot Ion:	240	Resp:	269900
Ion Ratio	Lower	Upper	
240	100		
120	6.3	5.7	8.5
236	25.8	21.0	31.4

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#78

Pyrene

Concen: 10.229 ng

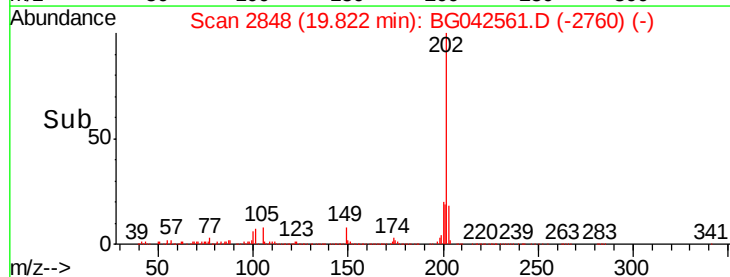
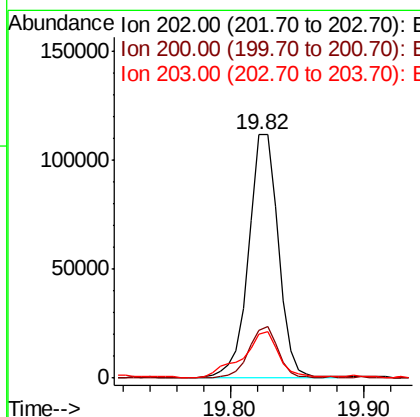
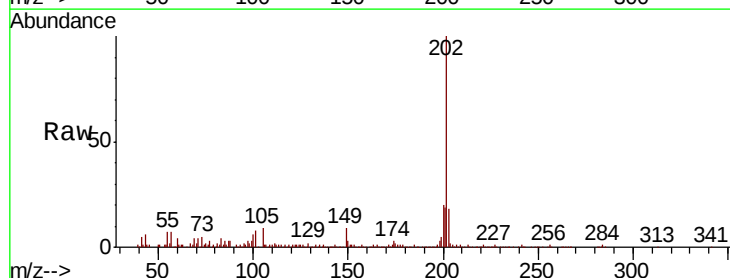
RT: 19.82 min Scan# 2848

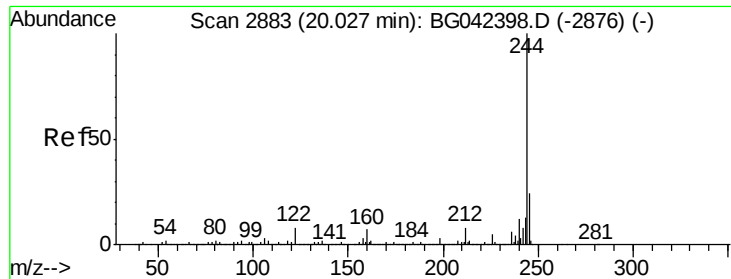
Delta R.T. -0.01 min

Lab File: BG042561.D

Acq: 29 Aug 2019 12:25

Tgt Ion:	202	Resp:	169262
Ion Ratio	Lower	Upper	
202	100		
200	19.8	17.8	26.6
203	18.2	15.5	23.3





#79

Terphenyl-d14

Concen: 62.175 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042561.D

Acq: 29 Aug 2019 12:25

Instrument :

BNA_G

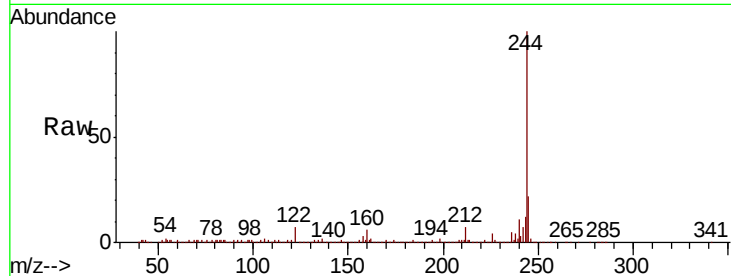
ClientSampleId :

PX-05

Tot Ion:	244	Resp:	776205
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.0	9.0
122	6.8	6.7	10.1

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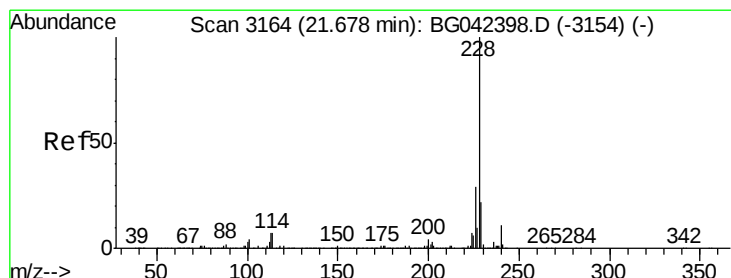
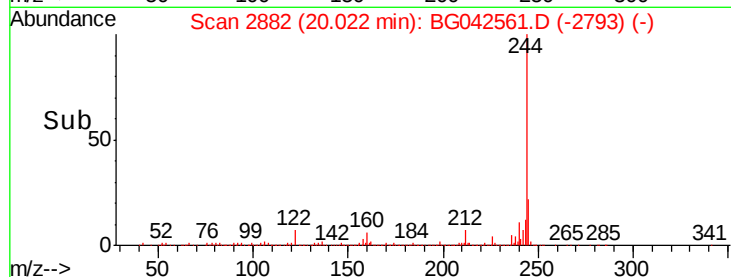
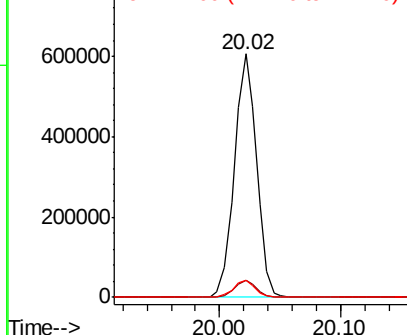


Abundance

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: 6.647 ng

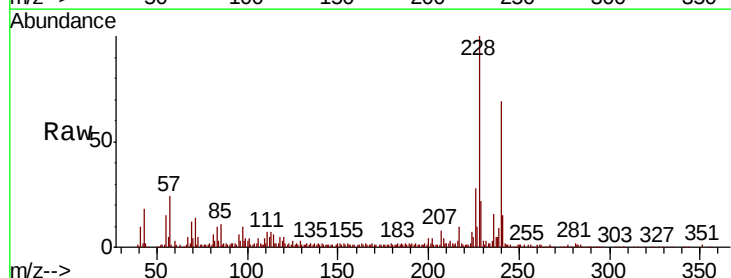
RT: 21.67 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BG042561.D

Acq: 29 Aug 2019 12:25

Tgt Ion:	228	Resp:	109129
Ion Ratio	Lower	Upper	
228	100		
226	27.9	23.4	35.2
229	22.3	17.4	26.2

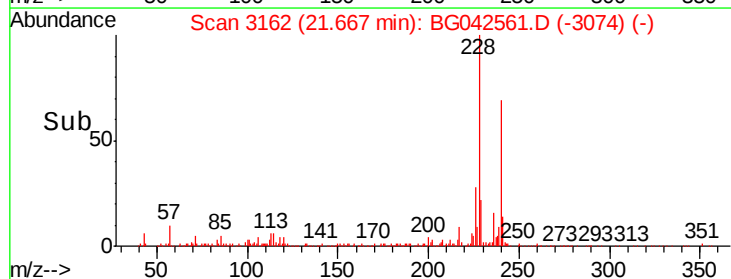
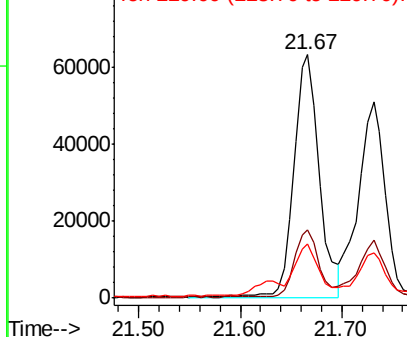


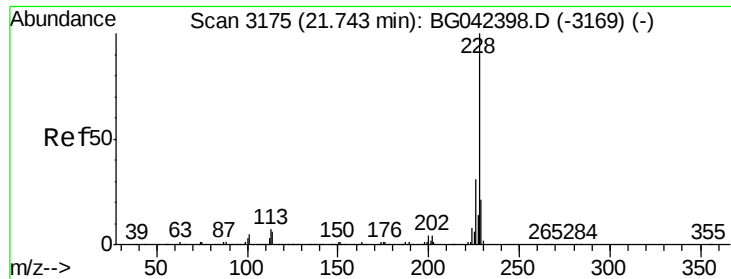
Abundance

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





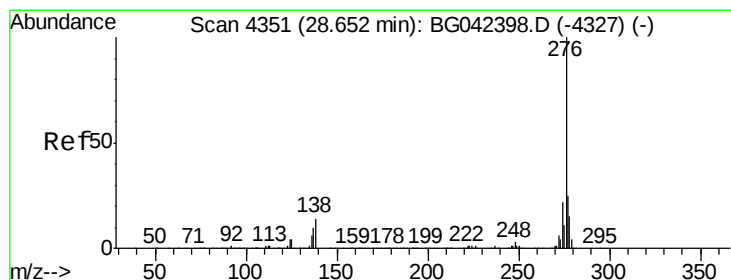
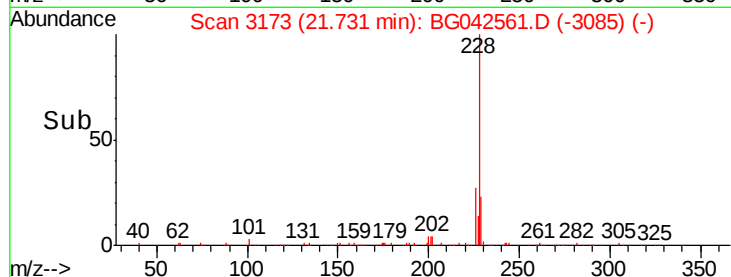
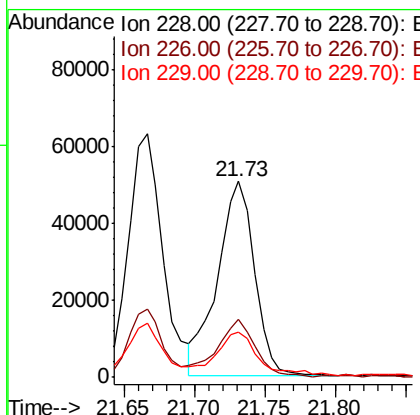
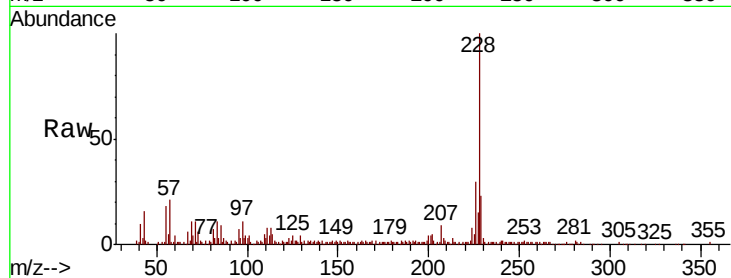
#83
Chrysene
Concen: 5.858 ng
RT: 21.73 min Scan# 3173
Delta R.T. -0.01 min
Lab File: BG042561.D
Acq: 29 Aug 2019 12:25

Instrument :
BNA_G
ClientSampleId :
PX-05

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.9	37.3
229	23.3	16.9	25.3

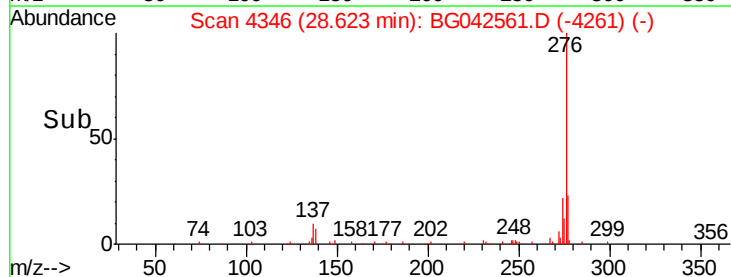
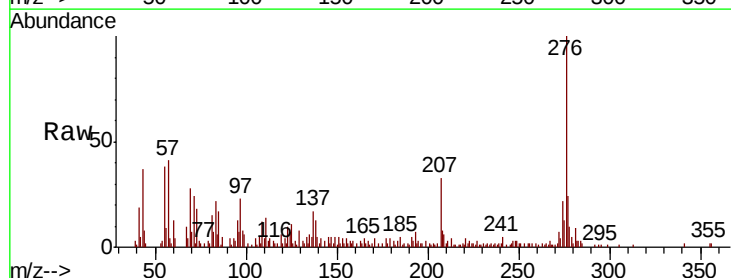
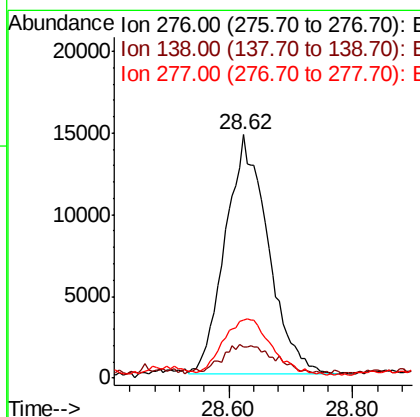
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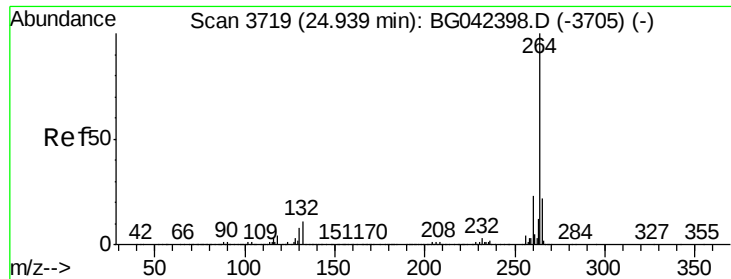
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.286 ng
RT: 28.62 min Scan# 4346
Delta R.T. -0.03 min
Lab File: BG042561.D
Acq: 29 Aug 2019 12:25

Tgt Ion	Ratio	Lower	Upper
276	100		
138	6.1	9.2	13.8#
277	26.2	21.0	31.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.93 min Scan# 3717

Delta R.T. -0.01 min

Lab File: BG042561.D

Acq: 29 Aug 2019 12:25

Instrument :

BNA_G

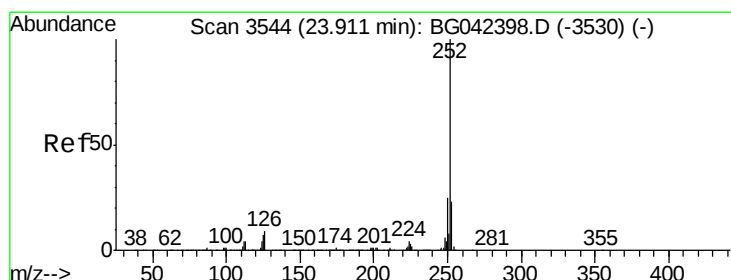
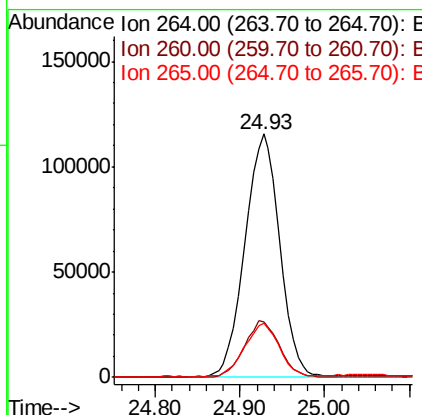
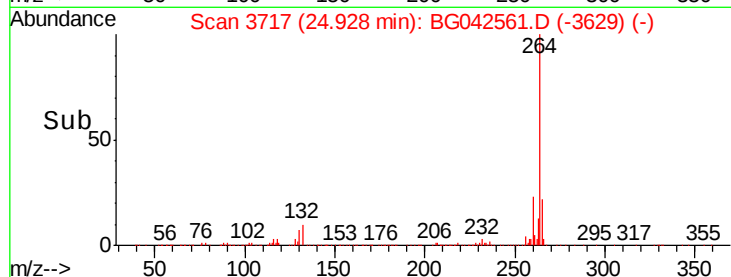
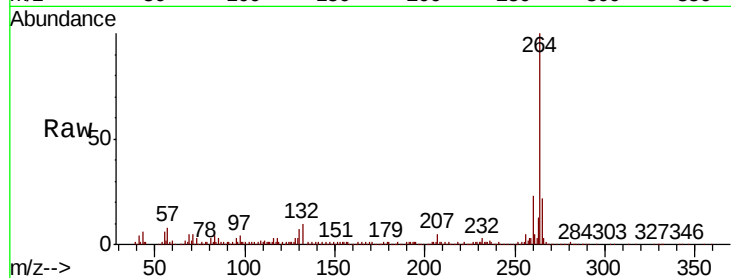
ClientSampleId :

PX-05

Tot Ion:	264	Resp:	330245
Ion Ratio	Lower	Upper	
264	100		
260	22.7	18.5	27.7
265	22.5	17.6	26.4

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#88

Benzo(b)fluoranthene

Concen: 7.267 ng

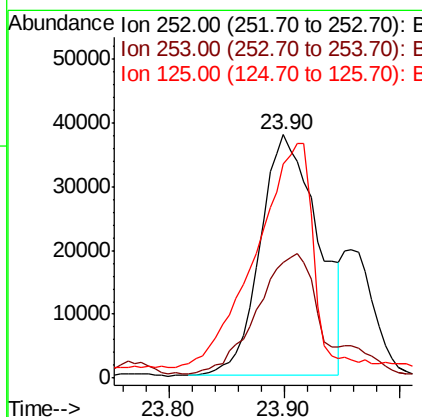
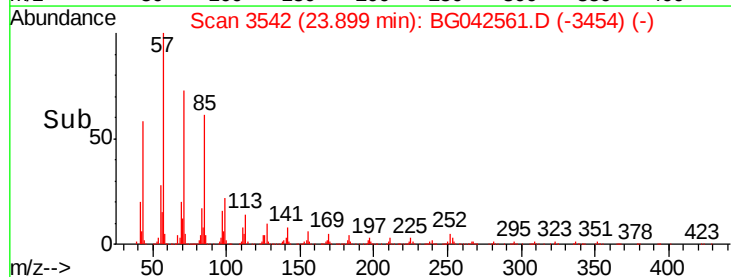
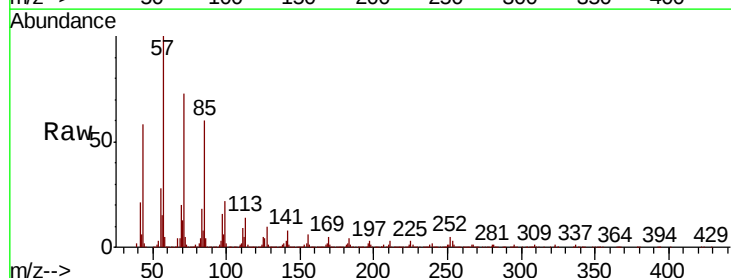
RT: 23.90 min Scan# 3542

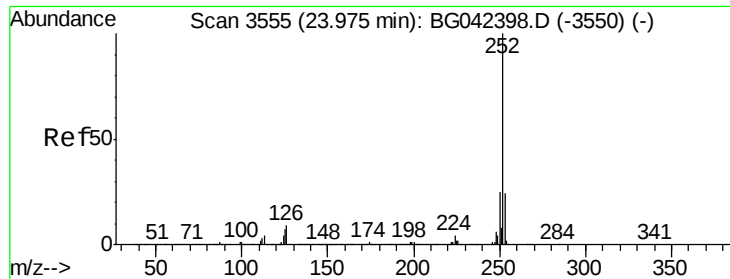
Delta R.T. -0.01 min

Lab File: BG042561.D

Acq: 29 Aug 2019 12:25

Tgt Ion:	252	Resp:	131940
Ion Ratio	Lower	Upper	
252	100		
253	47.7	18.6	27.8#
125	88.2	5.6	8.4#





#89

Benzo(k)fluoranthene

Concen: 2.153 ng/mL

RT: 23.96 min Scan# 3552

Delta R.T. -0.02 min

Lab File: BG042561.D

Acq: 29 Aug 2019 12:25

Instrument :

BNA_G

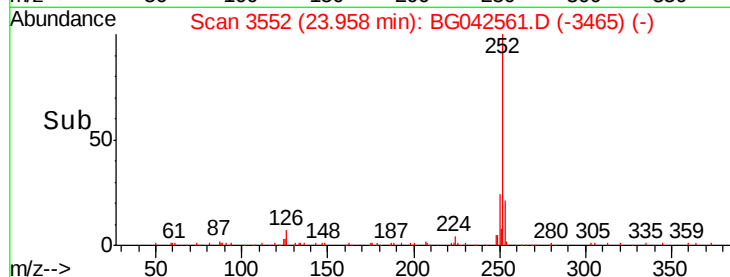
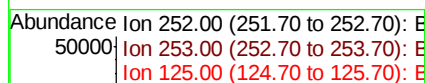
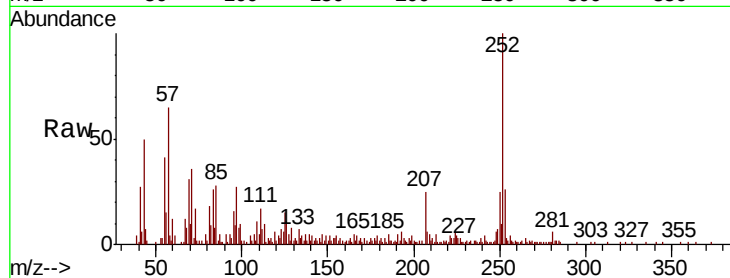
ClientSampled :

PX-05

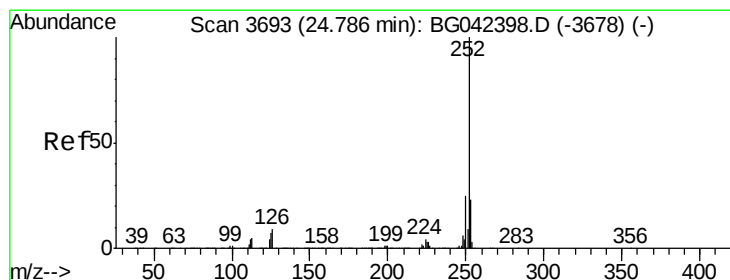
Tot Ion:	252	Resp:	37565
Ion Ratio	Lower	Upper	
252	100		
253	25.6	18.6	27.8
125	14.7	5.8	8.6#

Manual Integrations
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Time-->



#90

Benzo(a)pyrene

Concen: 5.418 ng/mL

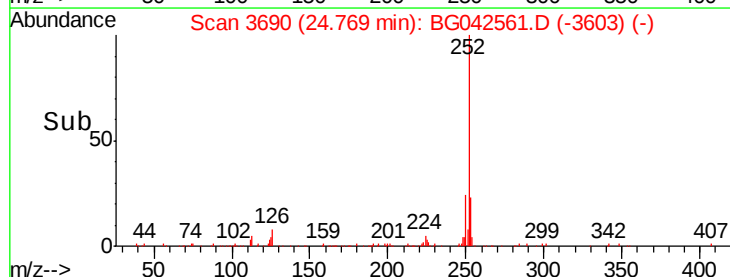
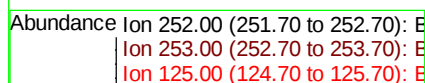
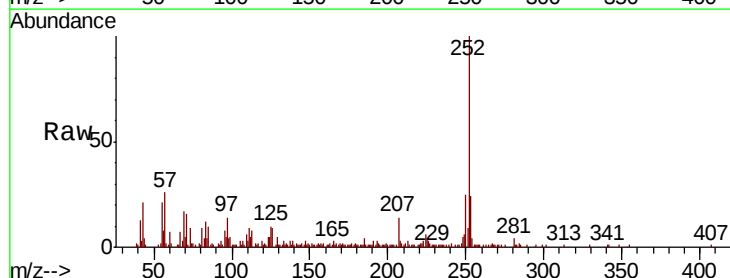
RT: 24.77 min Scan# 3690

Delta R.T. -0.02 min

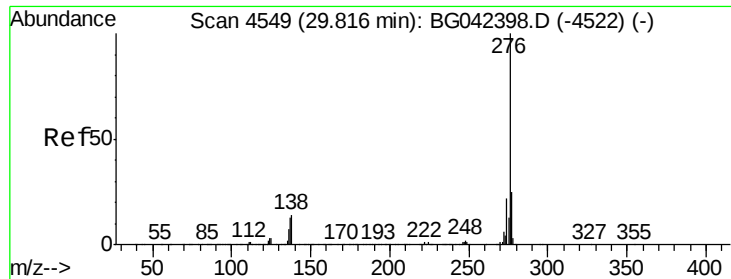
Lab File: BG042561.D

Acq: 29 Aug 2019 12:25

Tgt Ion:	252	Resp:	93339
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.4	27.6
125	9.7	6.0	9.0#



Time-->



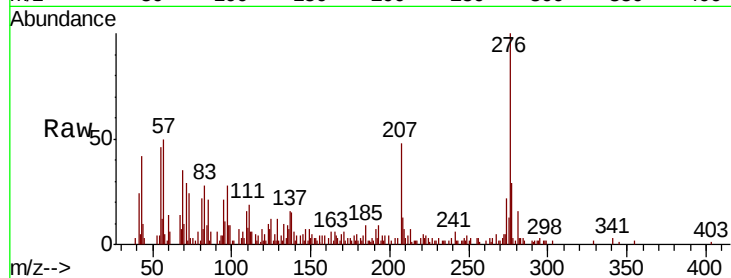
#92
 Benzo(a,h,i)perylene
 Concen: 3.146 ng
 RT: 29.78 min Scan# 4543
 Delta R.T. -0.03 min
 Lab File: BG042561.D
 Acq: 29 Aug 2019 12:25

Instrument :
 BNA_G
 ClientSampleId :
 PX-05

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.0	19.8	29.8
138	14.8	11.4	17.0

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

