

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030220\
 Data File : BG044661.D
 Acq On : 3 Mar 2020 11:20
 Operator : CG/JU
 Sample : L1743-08DL 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C-3DL

Manual Integrations
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Quant Time: Mar 03 18:47:39 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG022420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 24 16:11:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	91367m	20.00	ng	-0.07
21) Naphthalene-d8	10.61	136	374072	20.00	ng	-0.07
39) Acenaphthene-d10	14.46	164	228851	20.00	ng	-0.06
64) Phenanthrene-d10	17.21	188	449445	20.00	ng	-0.06
76) Chrysene-d12	21.44	240	390956	20.00	ng	-0.06
87) Perylene-d12	24.46	264	452064	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	102686	18.03	ng	-0.06
7) Phenol-d6	6.98	99	134136	17.21	ng	-0.07
23) Nitrobenzene-d5	8.96	82	80221	11.05	ng	-0.07
42) 2,4,6-Tribromophenol	15.95	330	47098	14.51	ng	-0.06
45) 2-Fluorobiphenyl	13.08	172	190720	11.93	ng	-0.06
79) Terphenyl-d14	19.83	244	255922	12.39	ng	-0.06
Target Compounds						
71) Phenanthrene	17.25	178	557572	22.408	ng	Qvalue 100
72) Anthracene	17.33	178	115368	4.705	ng	99
75) Fluoranthene	19.26	202	917289	31.141	ng	99
78) Pyrene	19.62	202	813931	28.680	ng	100
81) Benzo(a)anthracene	21.42	228	438612	15.963	ng	97
83) Chrysene	21.48	228	407793	15.350	ng	98
84) Bis(2-ethylhexyl)phthalate	21.35	149	785128	45.901	ng	99
86) Indeno(1,2,3-cd)pyrene	27.87	276	246686	7.235	ng	94
88) Benzo(b)fluoranthene	23.52	252	544275	18.312	ng	97
89) Benzo(k)fluoranthene	23.57	252	194141m	6.732	ng	
90) Benzo(a)pyrene	24.32	252	406126	14.543	ng	98
91) Dibenzo(a,h)anthracene	27.92	278	59308	2.147	ng	92
92) Benzo(a,h,i)perylene	28.93	276	236873	8.560	ng	98

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

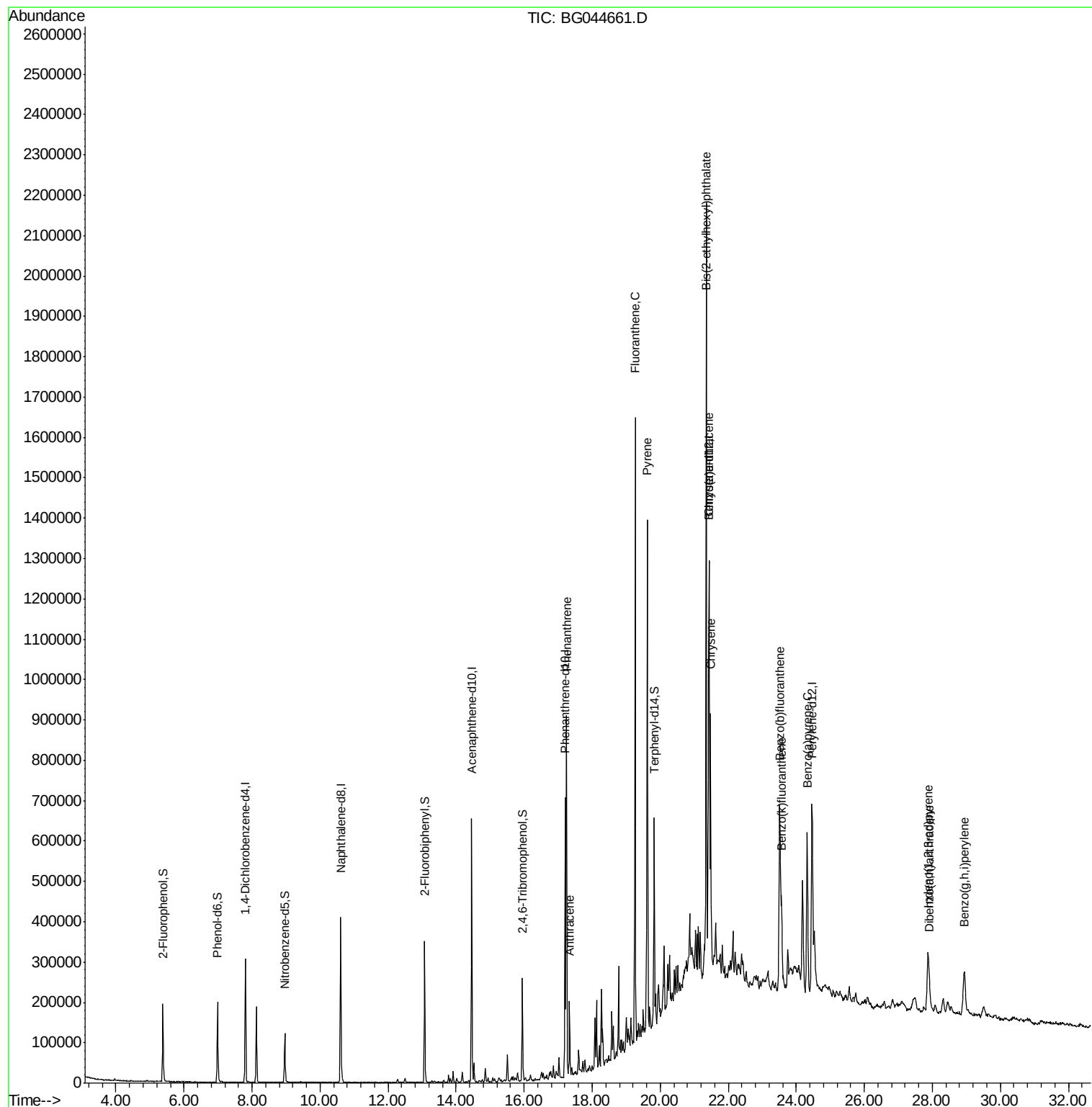
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030220\
Data File : BG044661.D
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ALS Vial : 28 Sample Multiplier: 1

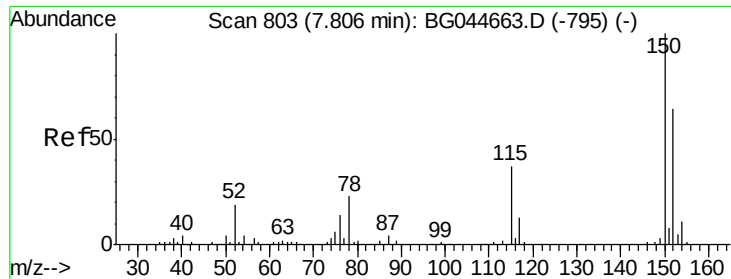
Instrument :
BNA_G
ClientSampleId :
C-3DL

Quant Time: Mar 03 18:47:39 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG022420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 24 16:11:23 2020
Response via : Initial Calibration

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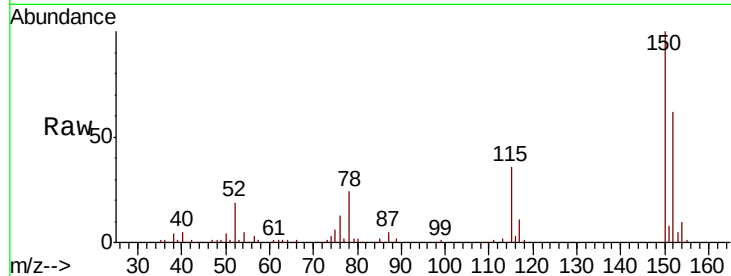
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng/ml
 RT: 7.80 min Scan# 803
 Delta R.T. -0.07 min
 Lab File: BG044661.D
 Acq: 3 Mar 2020 11:20

Instrument :
 BNA_G
 ClientSampled :
 C-3DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.4	128.9	193.3
115	58.8	47.0	70.4

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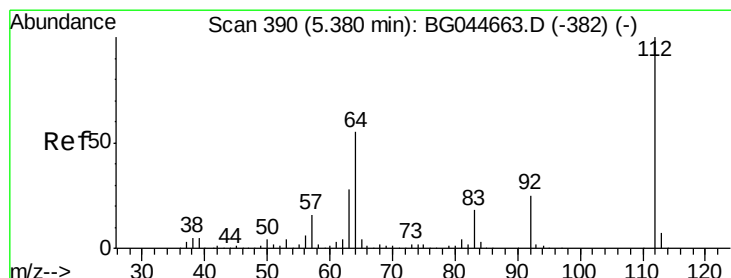
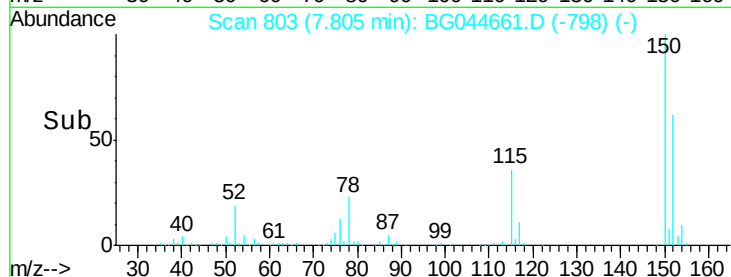
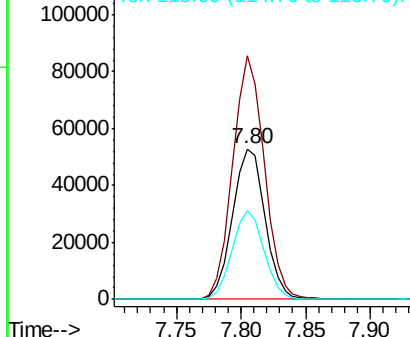


Abundance

Ion 152.00 (151.70 to 152.70): E

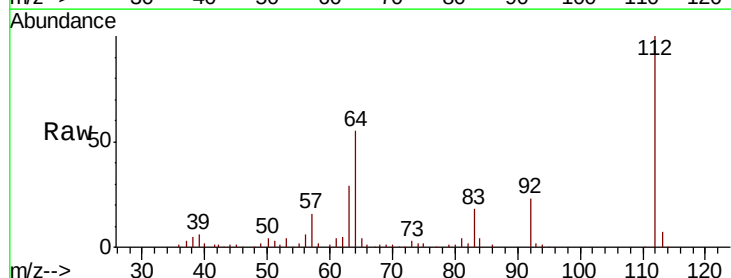
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 18.032 ng/ml
 RT: 5.38 min Scan# 391
 Delta R.T. -0.06 min
 Lab File: BG044661.D
 Acq: 3 Mar 2020 11:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	44.8	67.2
63	29.4	22.3	33.5

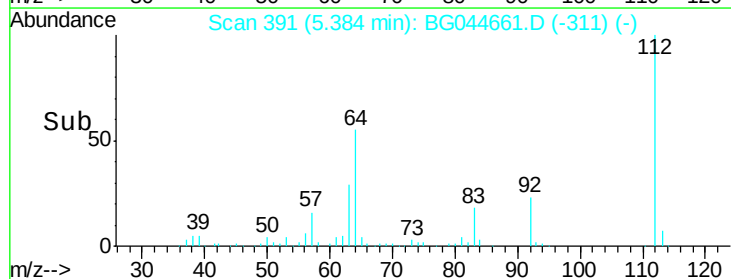
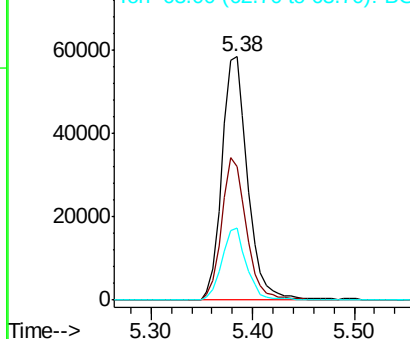


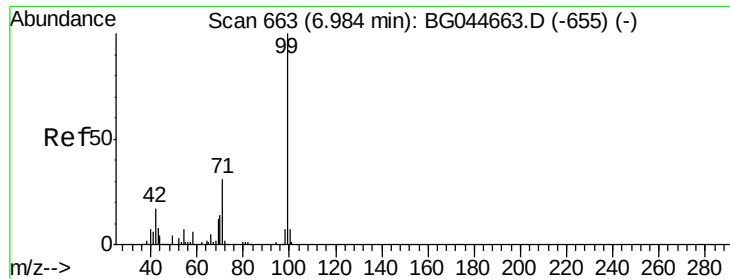
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 17.209 ng

RT: 6.98 min Scan# 663

Delta R.T. -0.07 min

Lab File: BG044661.D

Acq: 3 Mar 2020 11:20

Instrument :

BNA_G

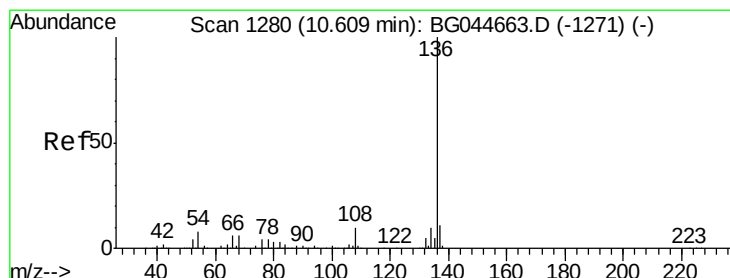
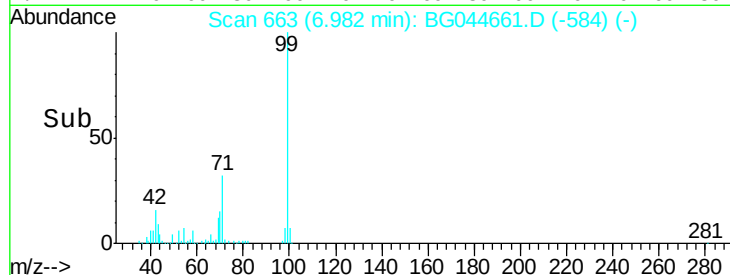
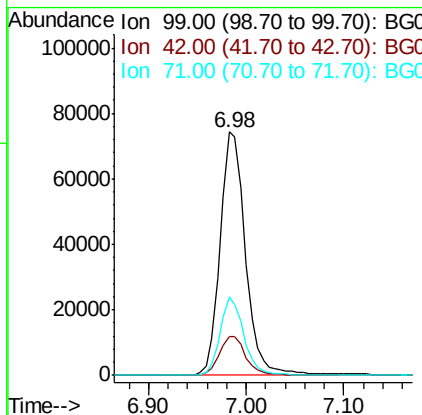
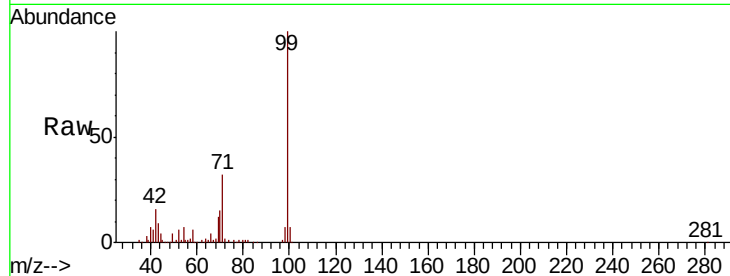
ClientSampled :

C-3DL

Tot Ion:	99	Resp:	134136
Ion	Ratio	Lower	Upper
99	100		
42	16.0	12.8	19.2
71	32.3	24.4	36.6

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#21

Naphthalene-d8

Concen: 20.000 ng

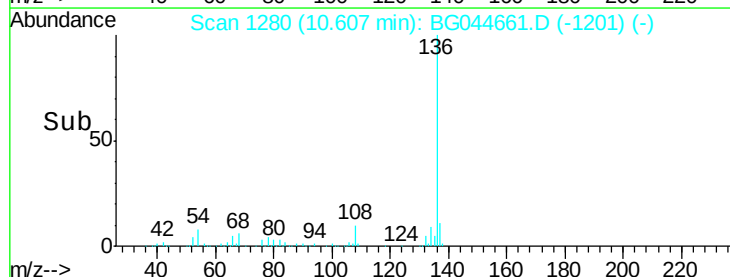
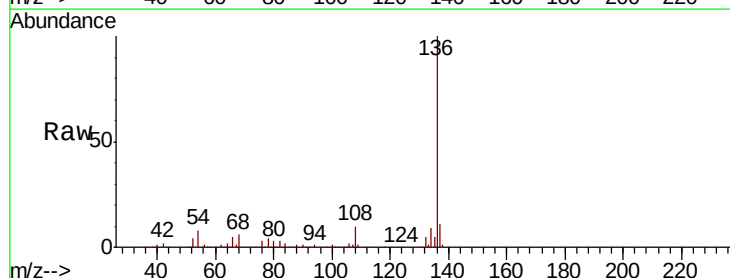
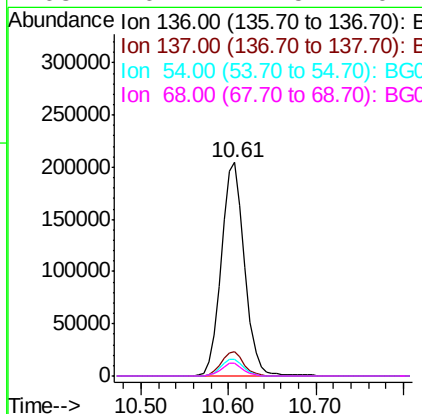
RT: 10.61 min Scan# 1280

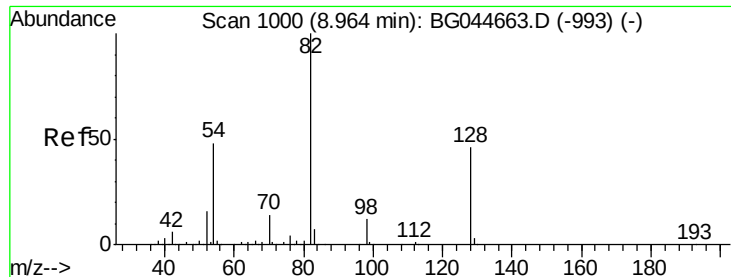
Delta R.T. -0.07 min

Lab File: BG044661.D

Acq: 3 Mar 2020 11:20

Tgt Ion:	136	Resp:	374072
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	7.5	5.7	8.5
68	6.1	4.5	6.7





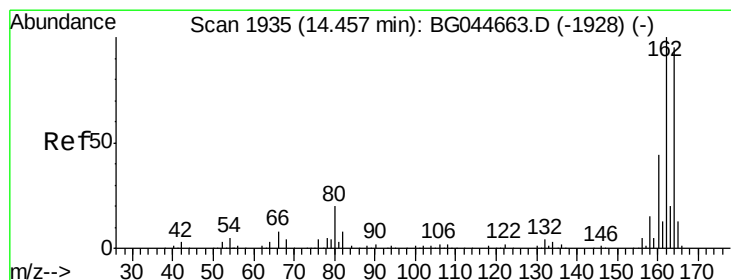
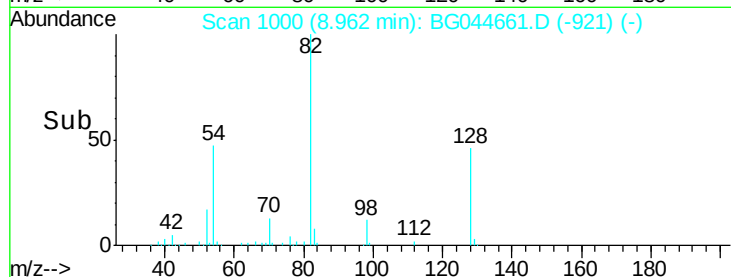
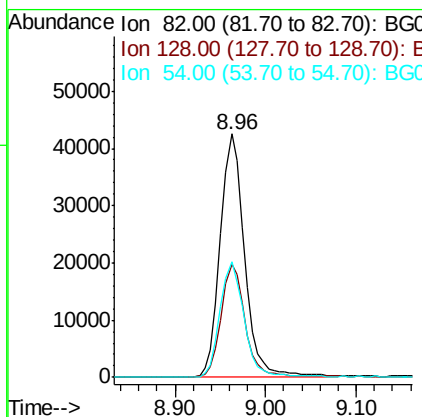
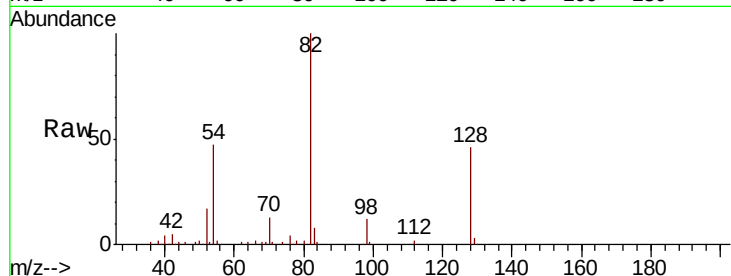
#23
Nitrobenzene-d5
Concen: 11.048 ng
RT: 8.96 min Scan# 1000
Delta R.T. -0.07 min
Lab File: BG044661.D
Acq: 3 Mar 2020 11:20

Instrument :
BNA_G
ClientSampled :
C-3DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.2	38.1	57.1
54	47.4	37.5	56.3

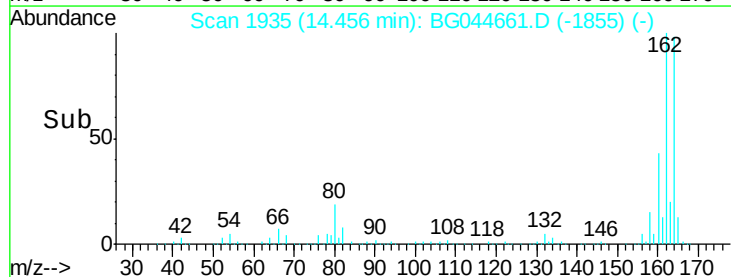
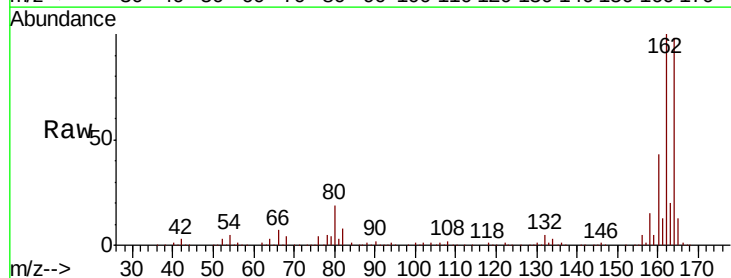
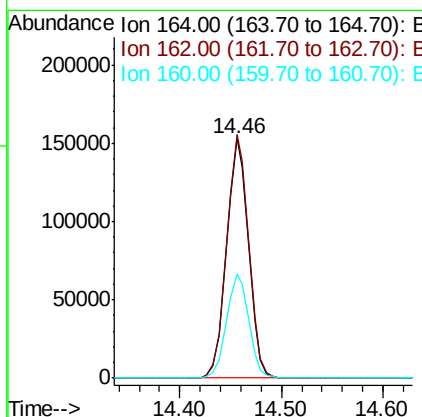
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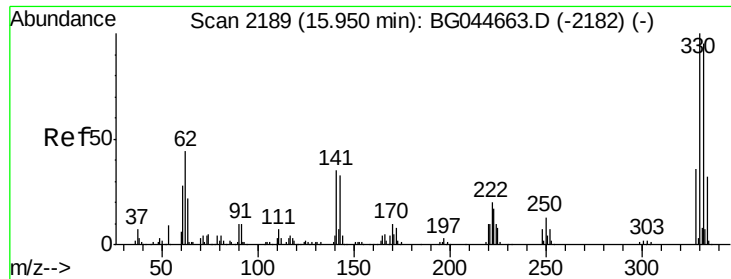
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.46 min Scan# 1935
Delta R.T. -0.06 min
Lab File: BG044661.D
Acq: 3 Mar 2020 11:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	83.6	125.4
160	43.3	36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 14.514 ng

RT: 15.95 min Scan# 2189

Delta R.T. -0.06 min

Lab File: BG044661.D

Acq: 3 Mar 2020 11:20

Instrument :

BNA_G

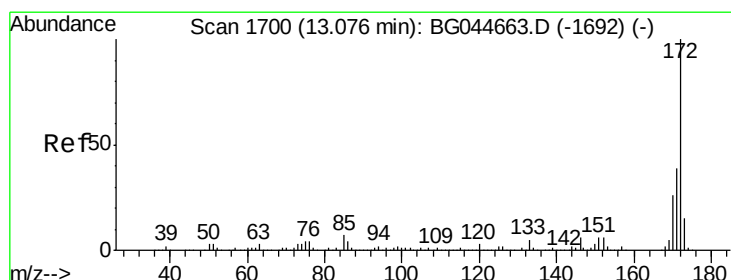
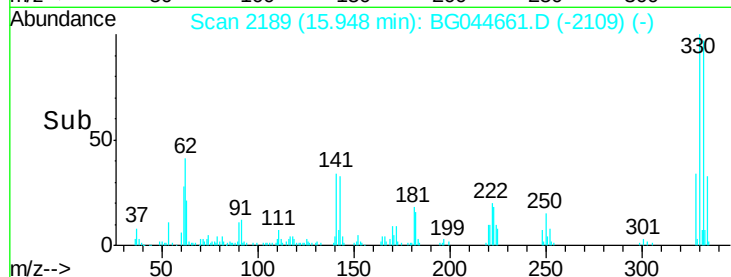
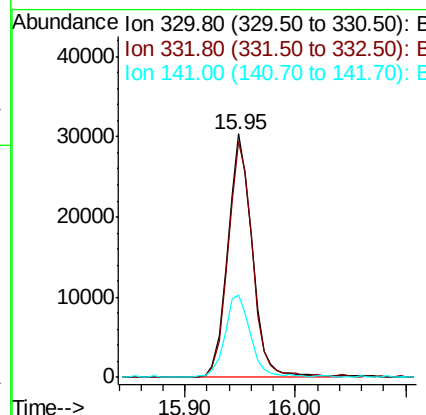
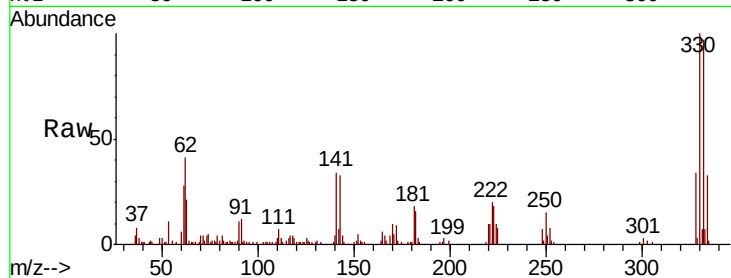
ClientSampled :

C-3DL

Tot Ion:	330	Resp:	47098
Ion Ratio	Lower	Upper	
330	100		
332	96.4	77.4	116.0
141	35.4	26.1	39.1

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#45

2-Fluorobiphenyl

Concen: 11.934 ng

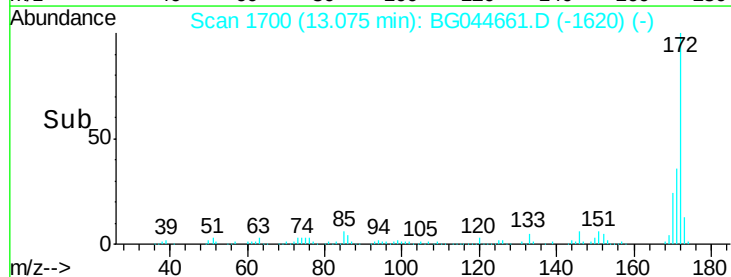
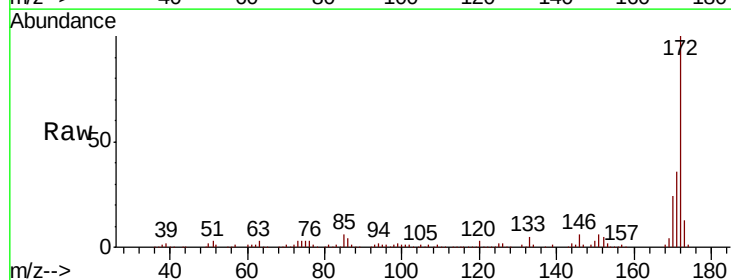
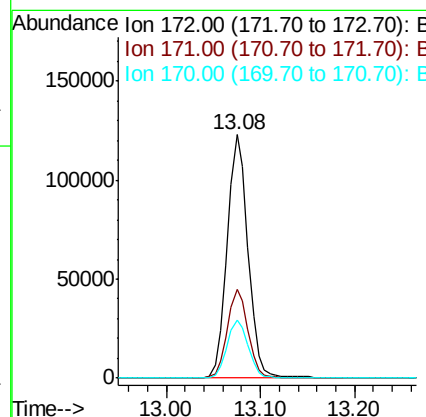
RT: 13.08 min Scan# 1700

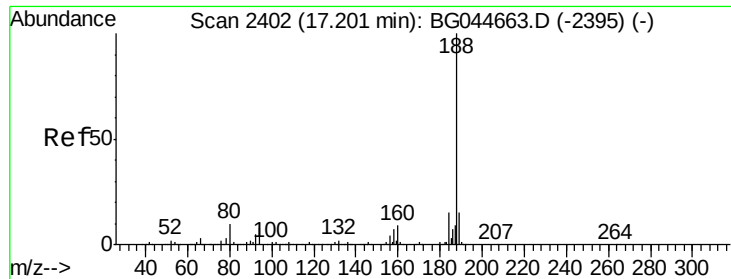
Delta R.T. -0.06 min

Lab File: BG044661.D

Acq: 3 Mar 2020 11:20

Tgt Ion:	172	Resp:	190720
Ion Ratio	Lower	Upper	
172	100		
171	36.4	31.3	46.9
170	23.9	21.0	31.4





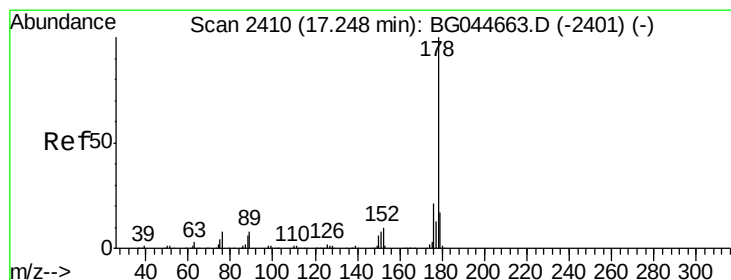
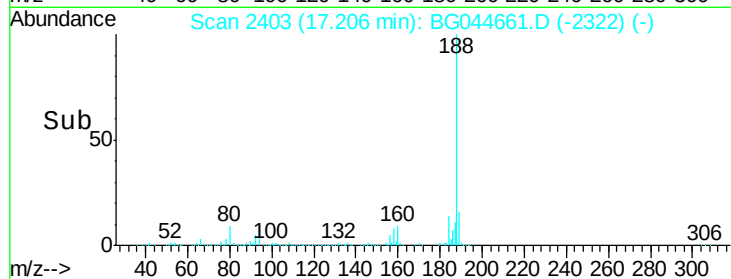
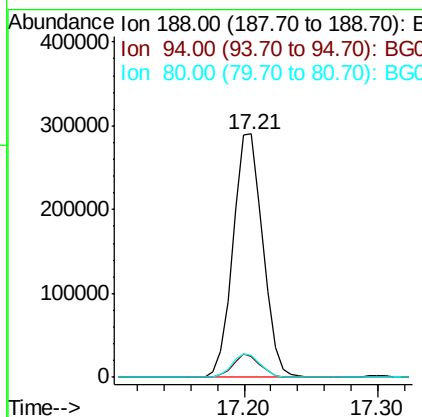
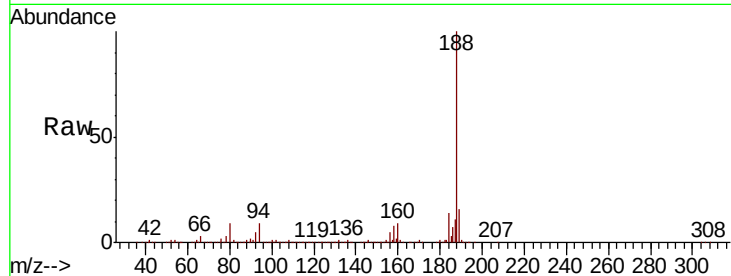
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.21 min Scan# 2403
Delta R.T. -0.06 min
Lab File: BG044661.D
Acq: 3 Mar 2020 11:20

Instrument :
BNA_G
ClientSampleId :
C-3DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.5	6.7	10.1
80	9.1	7.6	11.4

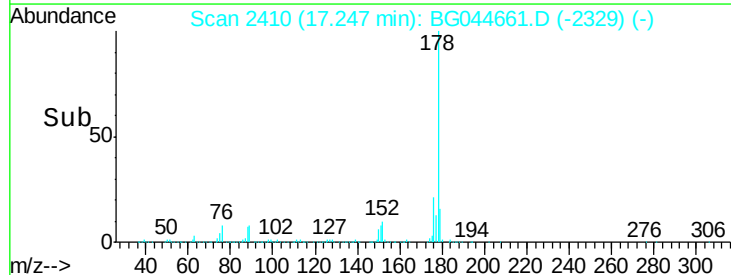
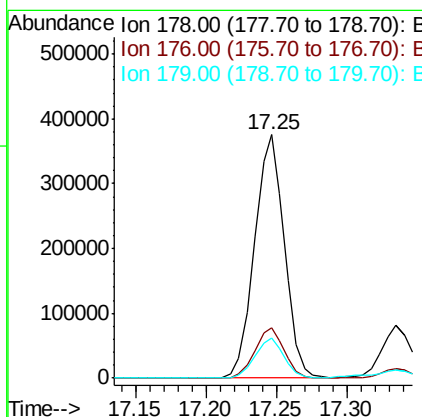
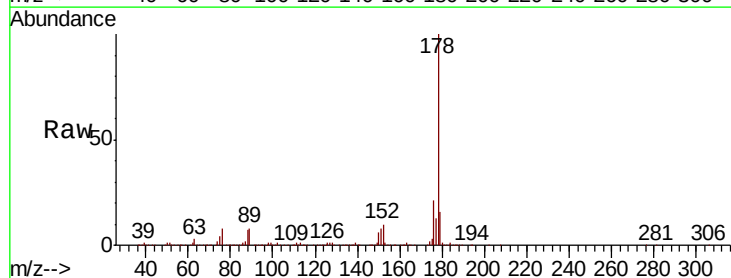
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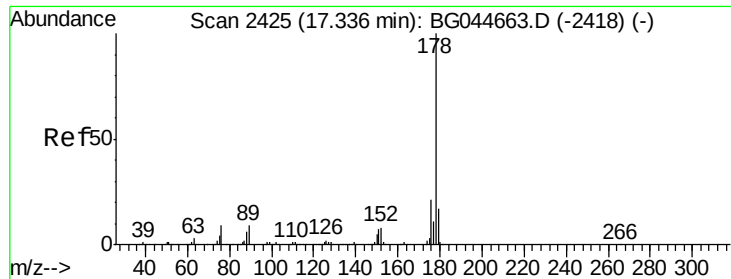
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#71
Phenanthrene
Concen: 22.408 ng
RT: 17.25 min Scan# 2410
Delta R.T. -0.06 min
Lab File: BG044661.D
Acq: 3 Mar 2020 11:20

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.6	16.6	25.0
179	16.4	13.3	19.9





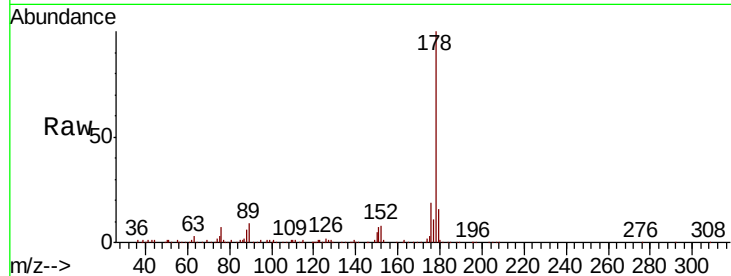
#72
 Anthracene
 Concen: 4.705 ng
 RT: 17.33 min Scan# 2425
 Delta R.T. -0.06 min
 Lab File: BG044661.D
 Acq: 3 Mar 2020 11:20

Instrument :
 BNA_G
 ClientSampleId :
 C-3DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.9	23.9
179	16.4	13.1	19.7

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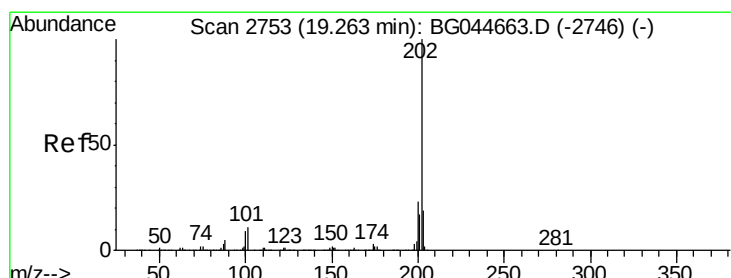
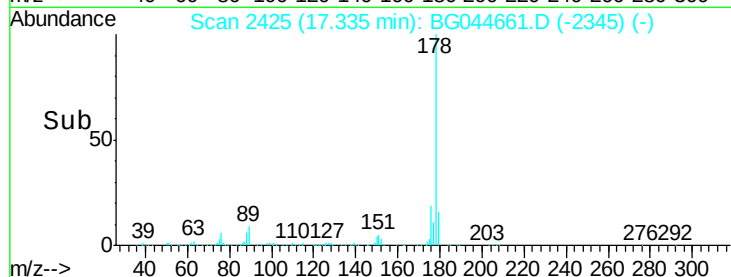
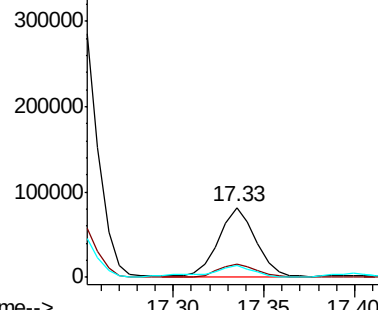


Abundance

Ion 178.00 (177.70 to 178.70): E

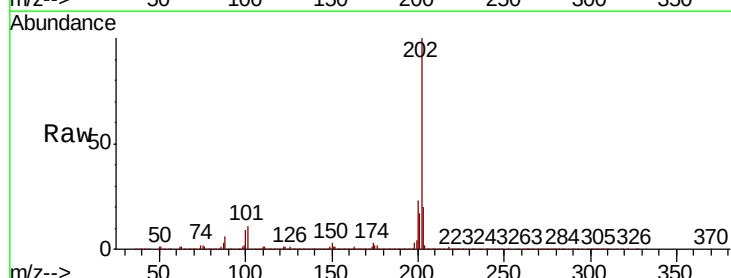
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
 Fluoranthene
 Concen: 31.141 ng
 RT: 19.26 min Scan# 2753
 Delta R.T. -0.05 min
 Lab File: BG044661.D
 Acq: 3 Mar 2020 11:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.0
203	19.7	0.0	39.2

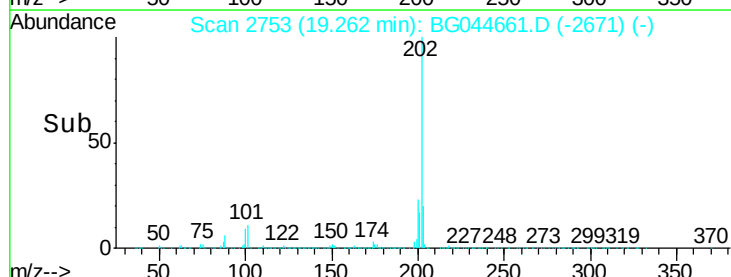
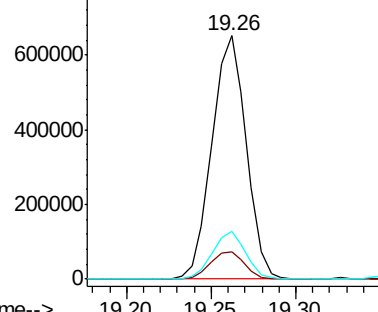


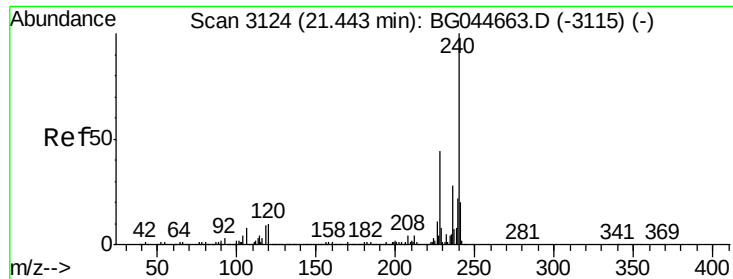
Abundance

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: 21.44 min Scan# 3124

Delta R.T. -0.06 min

Lab File: BG044661.D

Acq: 3 Mar 2020 11:20

Instrument :

BNA_G

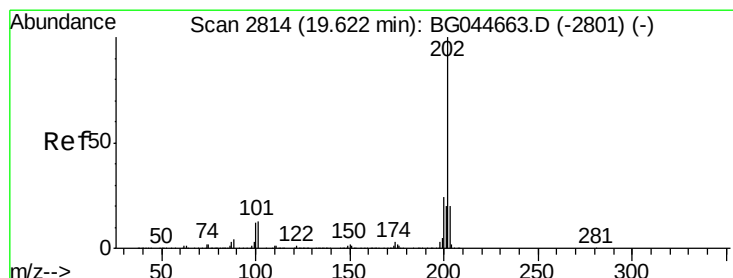
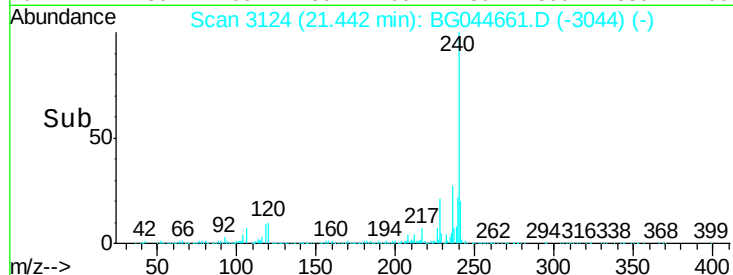
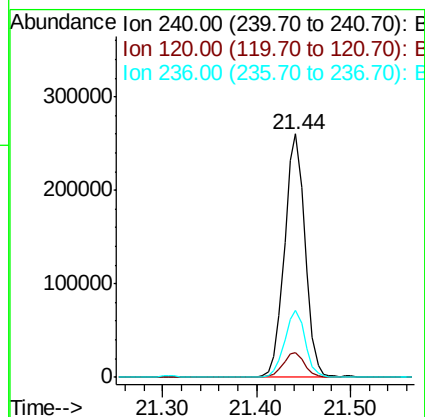
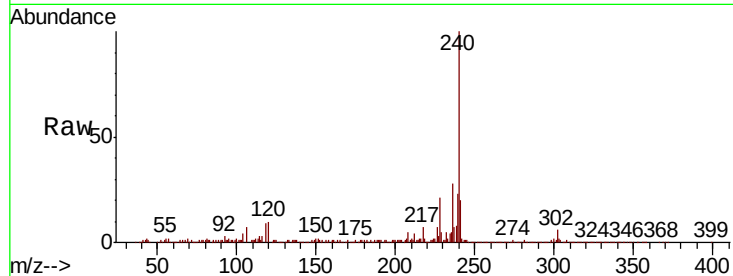
ClientSampled :

C-3DL

Tot Ion:	240	Resp:	390956
Ion Ratio	Lower	Upper	
240	100		
120	10.1	8.3	12.5
236	27.6	22.3	33.5

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#78

Pyrene

Concen: 28.680 ng

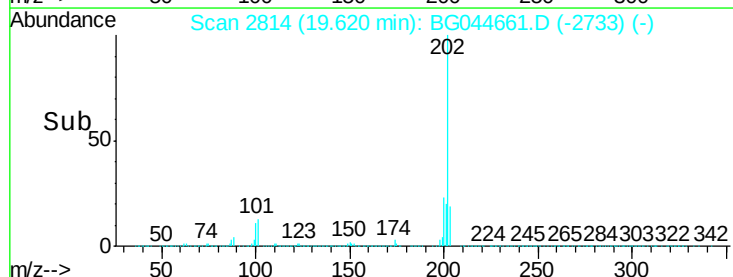
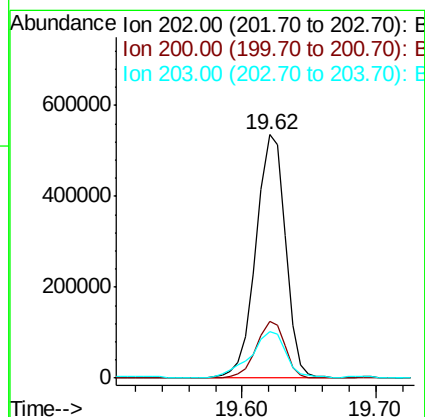
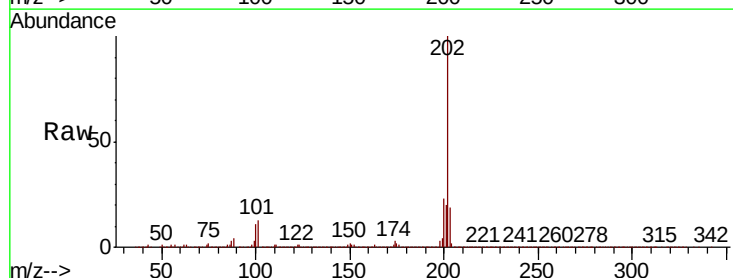
RT: 19.62 min Scan# 2814

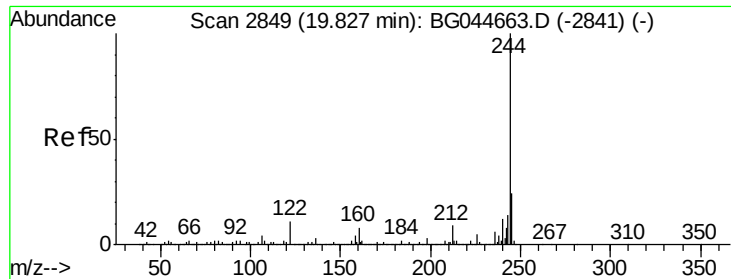
Delta R.T. -0.06 min

Lab File: BG044661.D

Acq: 3 Mar 2020 11:20

Tgt Ion:	202	Resp:	813931
Ion Ratio	Lower	Upper	
202	100		
200	23.5	18.6	28.0
203	19.3	15.3	22.9





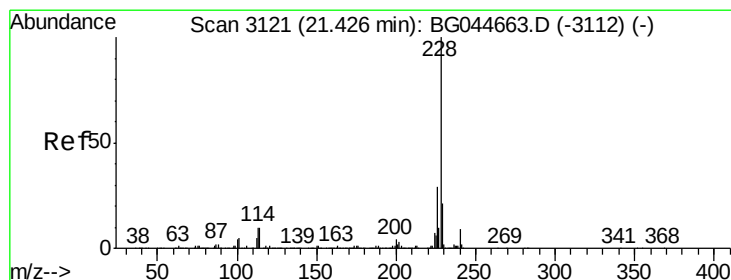
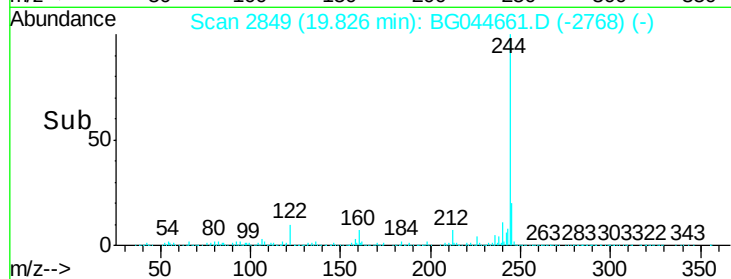
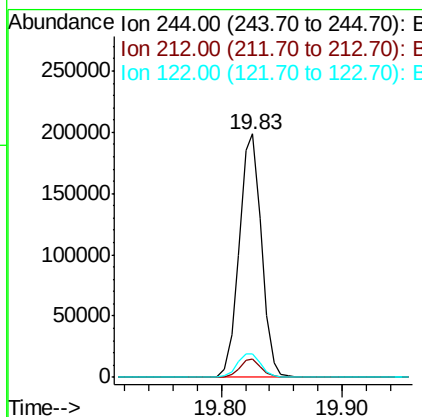
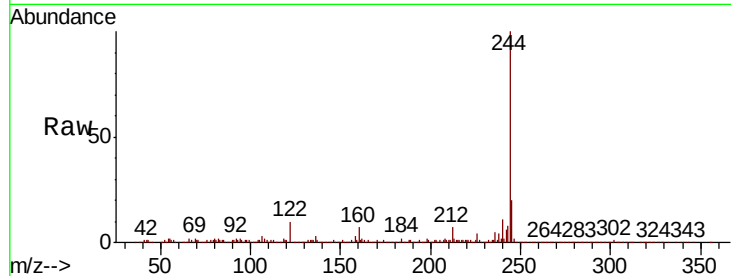
#79
 Terphenyl-d14
 Concen: 12.392 ng
 RT: 19.83 min Scan# 2849
 Delta R.T. -0.06 min
 Lab File: BG044661.D
 Acq: 3 Mar 2020 11:20

Instrument :
 BNA_G
 ClientSampled :
 C-3DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.5	9.7
122	9.7	8.2	12.4

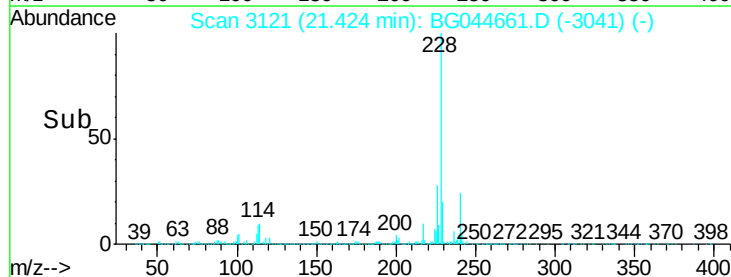
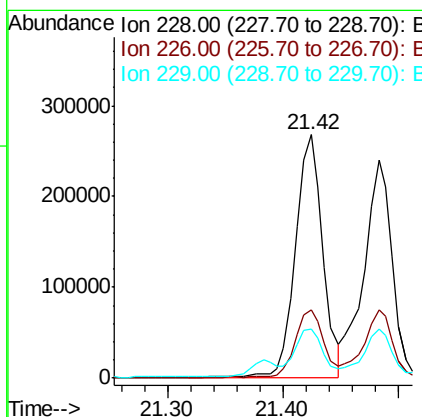
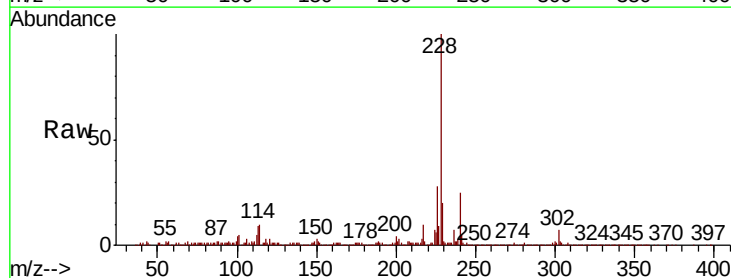
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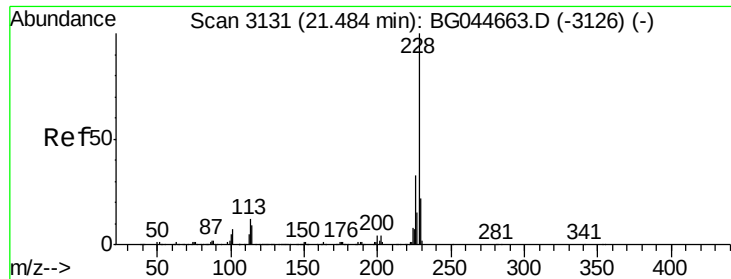
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#81
 Benzo(a)anthracene
 Concen: 15.963 ng
 RT: 21.42 min Scan# 3121
 Delta R.T. -0.06 min
 Lab File: BG044661.D
 Acq: 3 Mar 2020 11:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.8	35.8
229	20.3	17.2	25.8





#83

Chrysene

Concen: 15.350 ng

RT: 21.48 min Scan# 3131

Delta R.T. -0.07 min

Lab File: BG044661.D

Acq: 3 Mar 2020 11:20

Instrument :

BNA_G

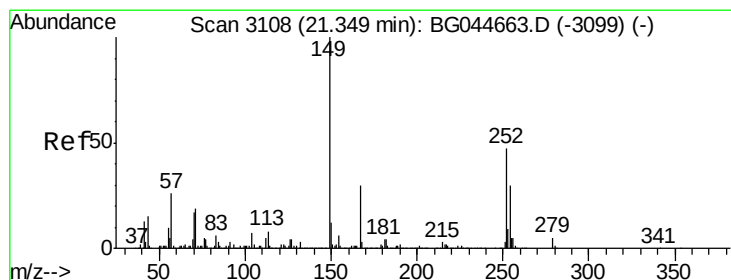
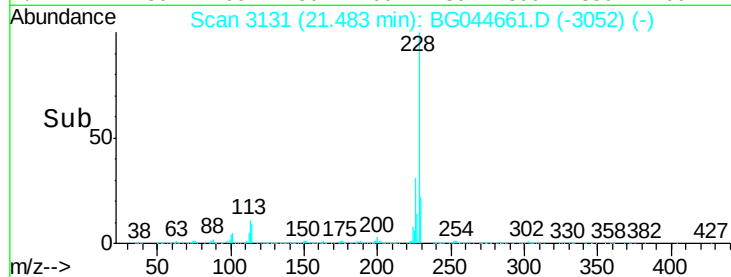
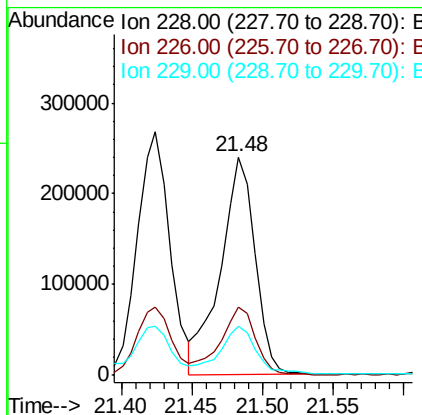
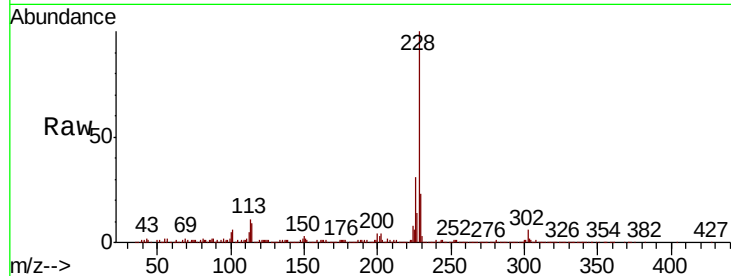
ClientSampleId :

C-3DL

Tot Ion:	228	Resp:	407793
Ion Ratio	Lower	Upper	
228	100		
226	31.3	26.1	39.1
229	22.6	17.2	25.8

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#84

Bis(2-ethylhexyl)phthalate

Concen: 45.901 ng

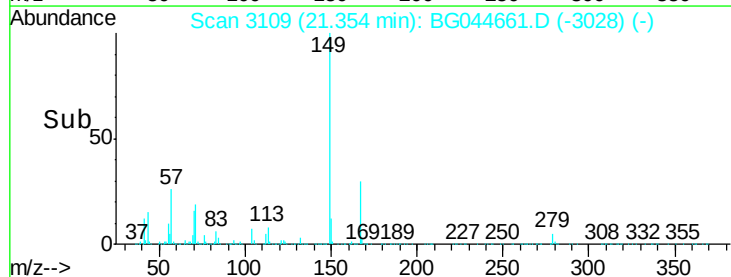
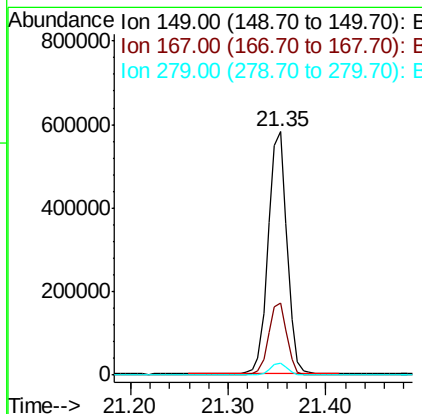
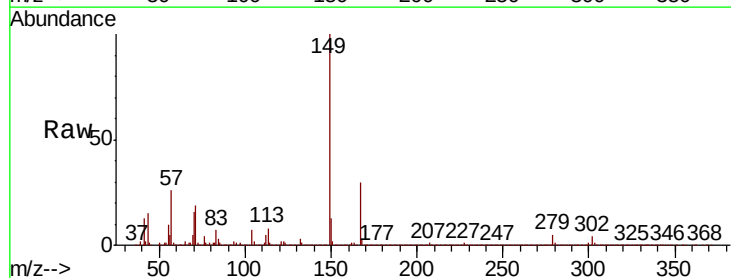
RT: 21.35 min Scan# 3109

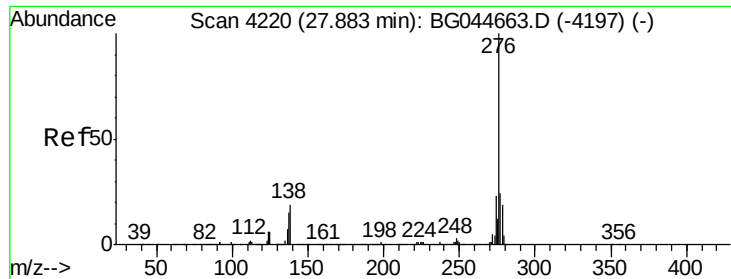
Delta R.T. -0.06 min

Lab File: BG044661.D

Acq: 3 Mar 2020 11:20

Tgt Ion:	149	Resp:	785128
Ion Ratio	Lower	Upper	
149	100		
167	29.7	23.4	35.0
279	5.0	4.2	6.4





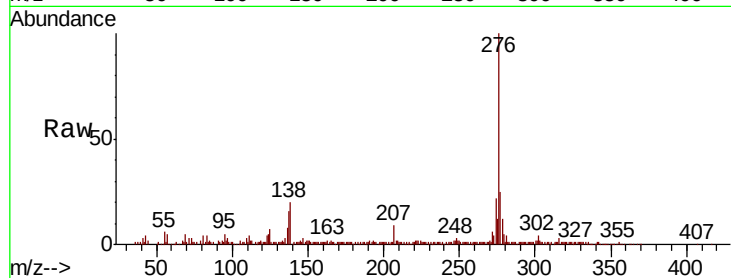
#86
Indeno(1,2,3-cd)pyrene
Concen: 7.235 ng
RT: 27.87 min Scan# 4218
Delta R.T. -0.18 min
Lab File: BG044661.D
Acq: 3 Mar 2020 11:20

Instrument :
BNA_G
ClientSampleId :
C-3DL

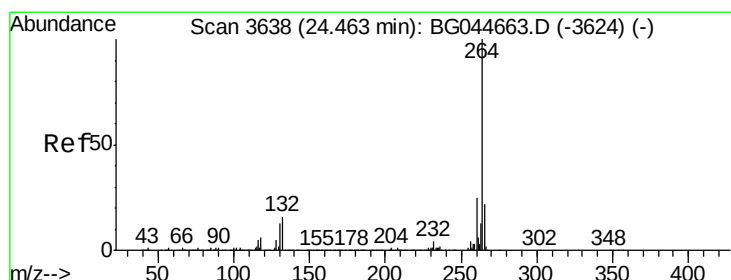
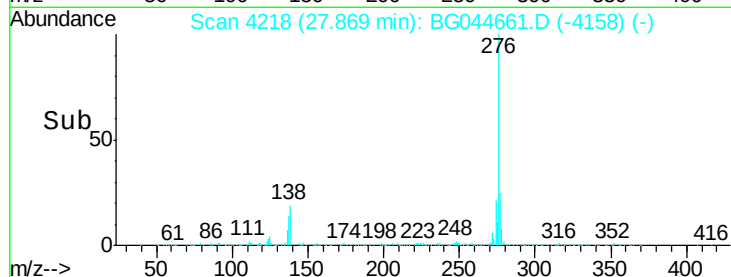
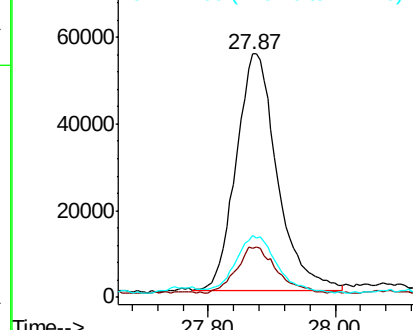
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.1	18.2	27.4
277	23.8	20.7	31.1

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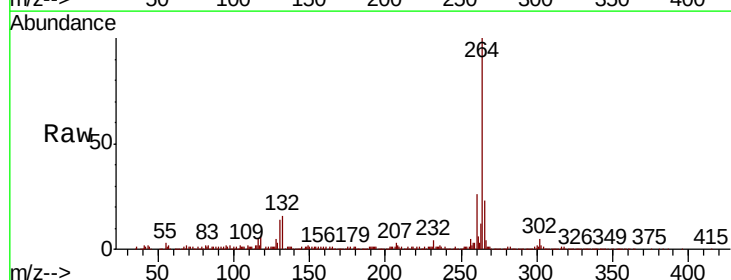


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

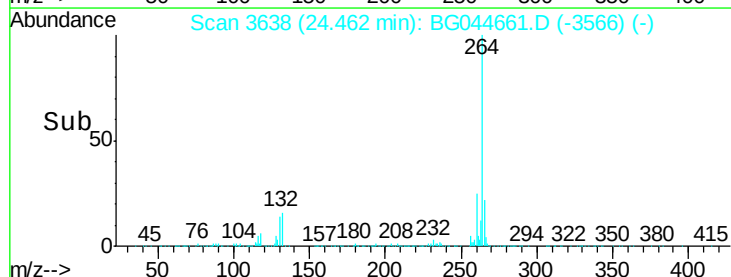
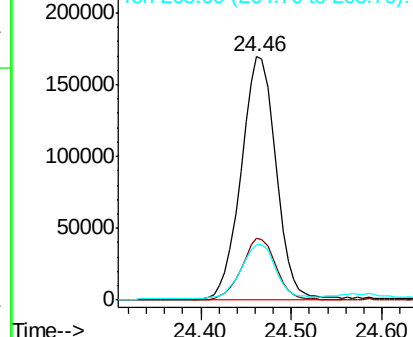


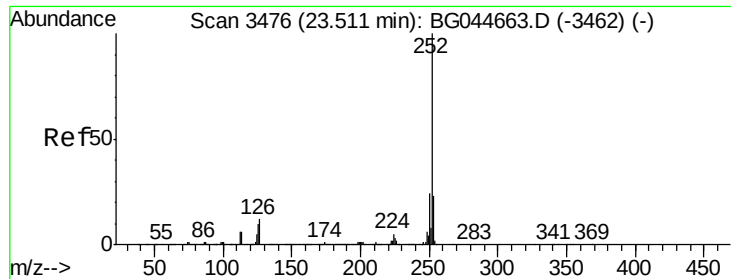
#87
Perylene-d12
Concen: 20.000 ng
RT: 24.46 min Scan# 3638
Delta R.T. -0.11 min
Lab File: BG044661.D
Acq: 3 Mar 2020 11:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.7	29.5
265	22.7	17.8	26.8



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





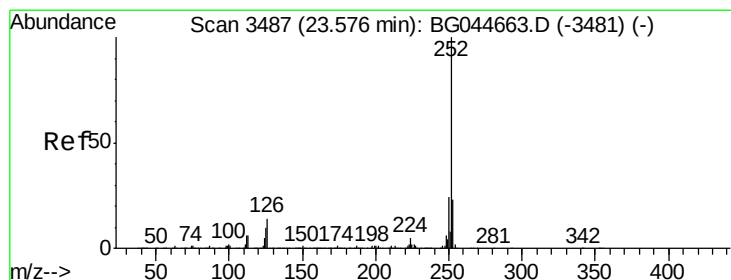
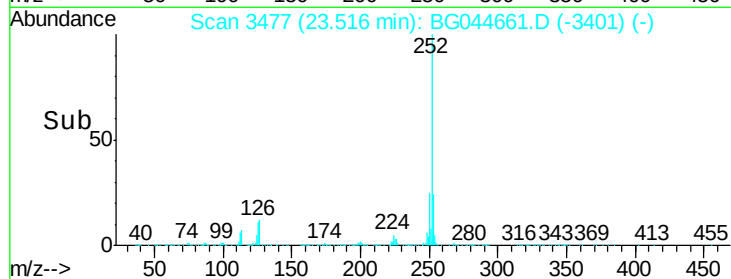
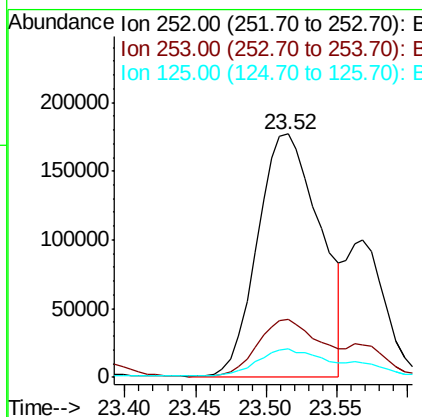
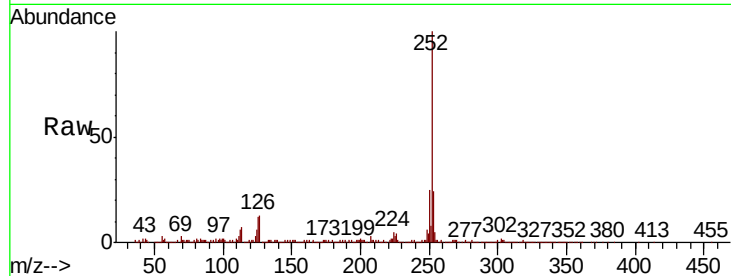
#88
Benzo(b)fluoranthene
Concen: 18.312 ng
RT: 23.52 min Scan# 3477
Delta R.T. -0.09 min
Lab File: BG044661.D
Acq: 3 Mar 2020 11:20

Instrument :
BNA_G
ClientSampleId :
C-3DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.4	27.6
125	11.8	7.9	11.9

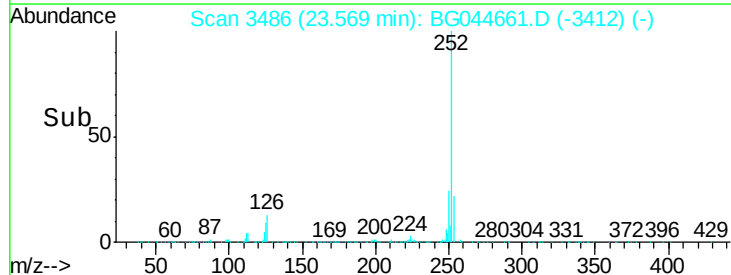
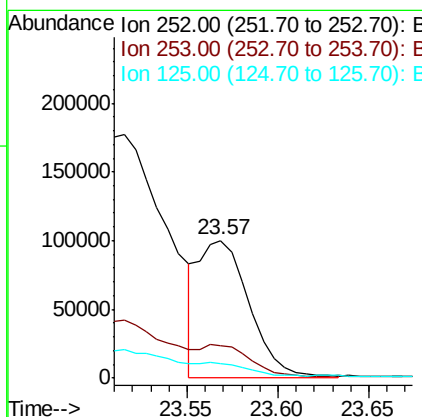
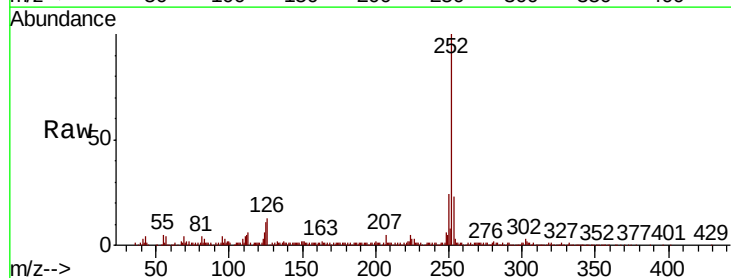
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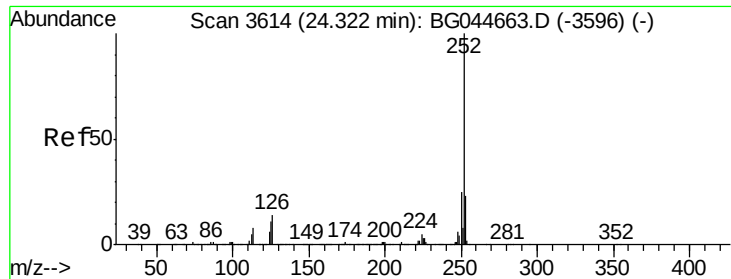
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#89
Benzo(k)fluoranthene
Concen: 6.732 ng m
RT: 23.57 min Scan# 3486
Delta R.T. -0.10 min
Lab File: BG044661.D
Acq: 3 Mar 2020 11:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.0	28.6
125	10.8	7.8	11.8





#90

Benzo(a)pyrene

Concen: 14.543 ng

RT: 24.32 min Scan# 3614

Delta R.T. -0.11 min

Lab File: BG044661.D

Acq: 3 Mar 2020 11:20

Instrument :

BNA_G

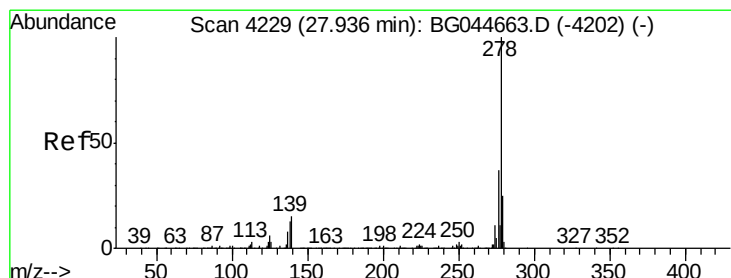
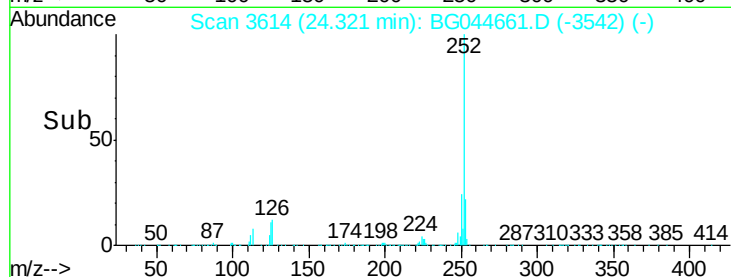
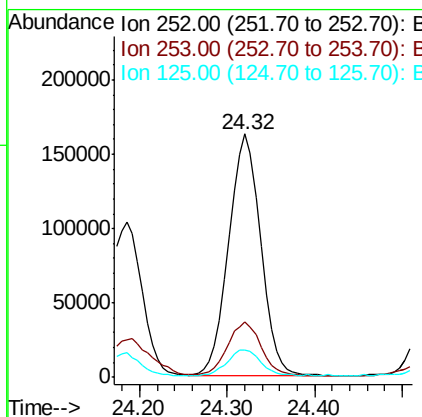
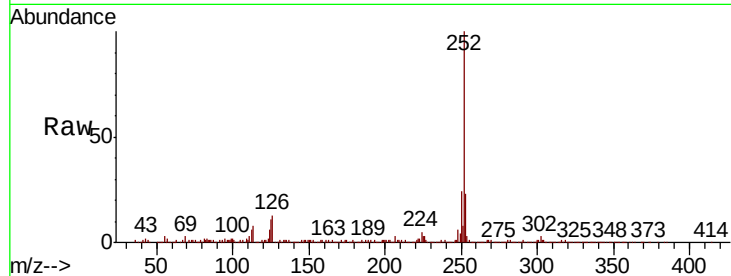
ClientSampled :

C-3DL

Tot Ion:	252	Resp:	406126
Ion Ratio	Lower	Upper	
252	100		
253	22.6	19.0	28.4
125	11.4	8.5	12.7

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#91

Dibenzo(a,h)anthracene

Concen: 2.147 ng

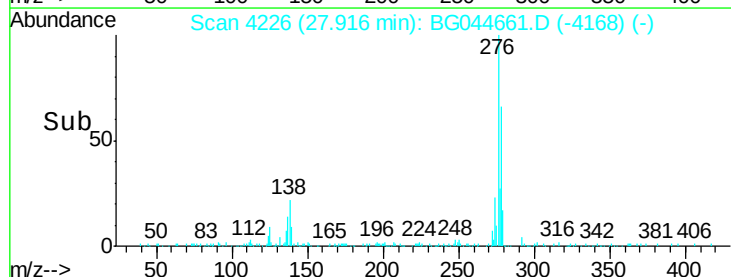
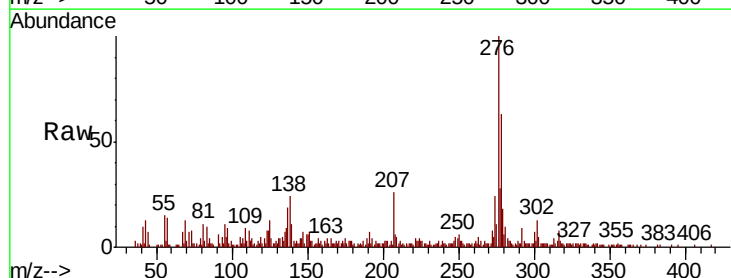
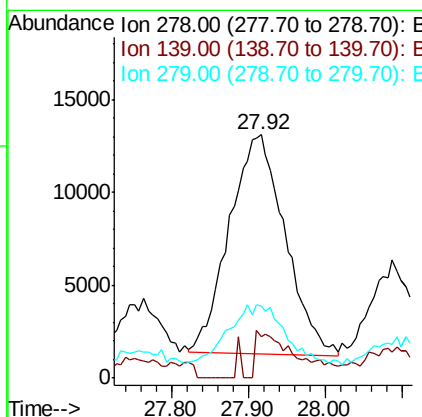
RT: 27.92 min Scan# 4226

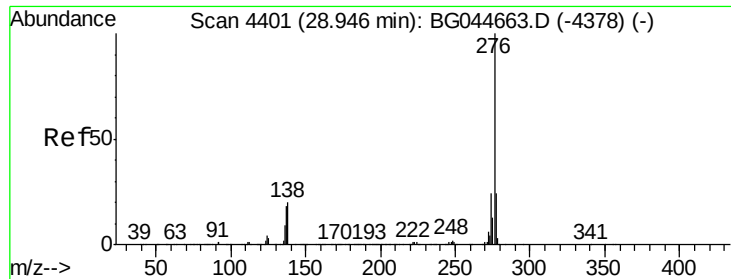
Delta R.T. -0.19 min

Lab File: BG044661.D

Acq: 3 Mar 2020 11:20

Tgt Ion:	278	Resp:	59308
Ion Ratio	Lower	Upper	
278	100		
139	17.0	11.7	17.5
279	29.4	19.8	29.6





#92
 Benzo(a,h,i)perylene
 Concen: 8.560 ng
 RT: 28.93 min Scan# 4399
 Delta R.T. -0.20 min
 Lab File: BG044661.D
 Acq: 3 Mar 2020 11:20

Instrument :
 BNA_G
 ClientSampleId :
 C-3DL

Tot Ion:	276	Resp:	236873
Ion Ratio	Lower	Upper	
276	100		
277	23.9	19.5	29.3
138	21.4	16.1	24.1

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