

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030220\
 Data File : BG044658.D
 Acq On : 3 Mar 2020 9:23
 Operator : CG/JU
 Sample : L1369-01DL 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-022820DL

Manual Integrations
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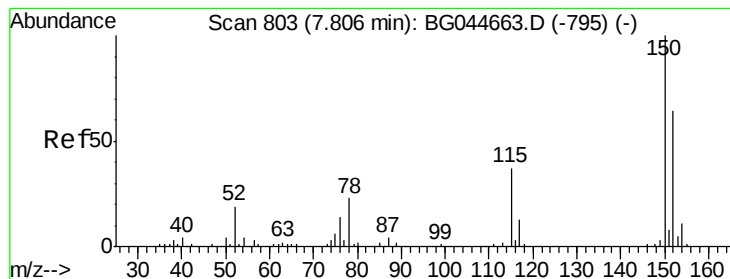
Quant Time: Mar 03 18:28:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG022420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 24 16:11:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	87665	20.00	ng	-0.07
21) Naphthalene-d8	10.61	136	393163	20.00	ng	-0.07
39) Acenaphthene-d10	14.46	164	245242	20.00	ng	-0.06
64) Phenanthrene-d10	17.21	188	488282	20.00	ng	-0.06
76) Chrysene-d12	21.44	240	421086	20.00	ng	-0.06
87) Perylene-d12	24.46	264	482763	20.00	ng	-0.11

System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	39407	7.21	ng	-0.07
7) Phenol-d6	6.99	99	52688	7.04	ng	-0.06
23) Nitrobenzene-d5	8.97	82	32029	4.20	ng	-0.06
42) 2,4,6-Tribromophenol	15.95	330	18541	5.33	ng	-0.06
45) 2-Fluorobiphenyl	13.08	172	82855	4.84	ng	-0.06
79) Terphenyl-d14	19.83	244	117932	5.30	ng	-0.06

Target Compounds				Qvalue		
31) Naphthalene	10.66	128	56543	2.636	ng	100
37) 2-Methylnaphthalene	12.28	142	42416	2.675	ng	95
38) 1-Methylnaphthalene	12.49	142	41836	2.777	ng	96
52) Acenaphthene	14.52	154	35084	2.343	ng	98
55) Dibenzofuran	14.86	168	63139	2.750	ng	98
58) Fluorene	15.51	166	108560	5.964	ng	97
71) Phenanthrene	17.25	178	649354	24.021	ng	100
72) Anthracene	17.34	178	127816	4.798	ng	98
75) Fluoranthene	19.26	202	625366	19.542	ng	99
78) Pyrene	19.62	202	598624	19.584	ng	99
81) Benzo(a)anthracene	21.42	228	286750	9.689	ng	99
83) Chrysene	21.48	228	256818	8.975	ng	97
86) Indeno(1,2,3-cd)pyrene	27.86	276	157929	4.301	ng	96
88) Benzo(b)fluoranthene	23.51	252	324643	10.228	ng	99
89) Benzo(k)fluoranthene	23.56	252	106982m	3.474	ng	
90) Benzo(a)pyrene	24.32	252	252386	8.463	ng	98
92) Benzo(a,h,i)perylene	28.93	276	154007	5.212	ng	97

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



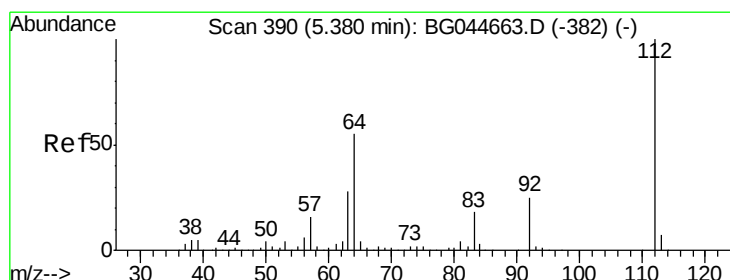
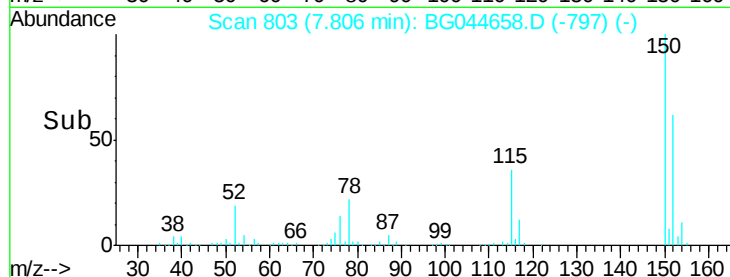
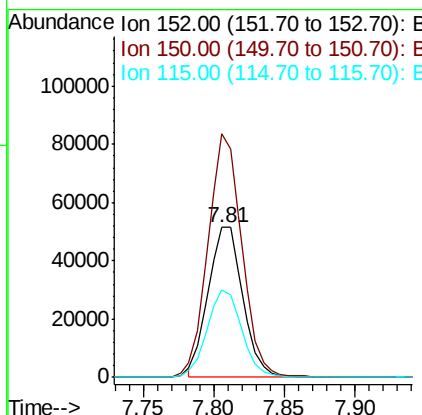
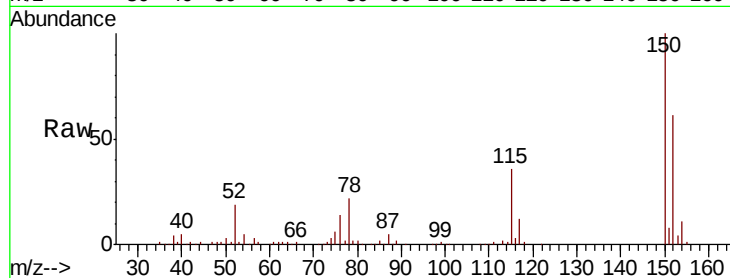
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.81 min Scan# 803
 Delta R.T. -0.07 min
 Lab File: BG044658.D
 Acq: 3 Mar 2020 9:23

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-022820DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.6	128.9	193.3
115	58.2	47.0	70.4

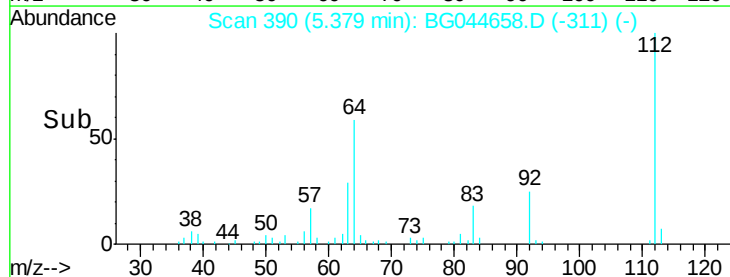
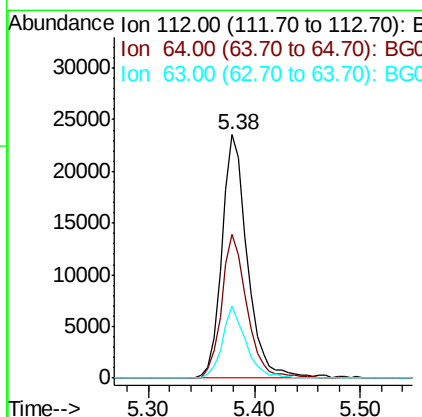
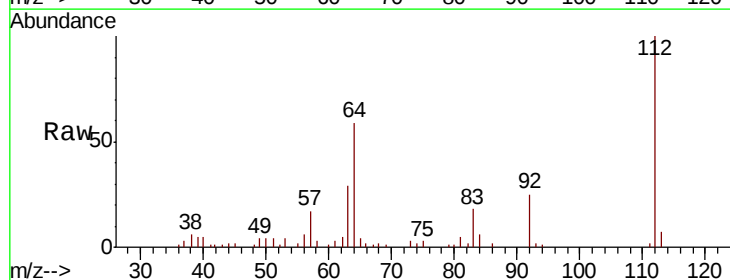
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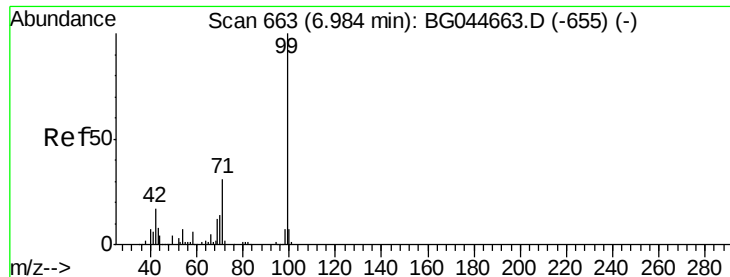
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#5
 2-Fluorophenol
 Concen: 7.212 ng
 RT: 5.38 min Scan# 390
 Delta R.T. -0.07 min
 Lab File: BG044658.D
 Acq: 3 Mar 2020 9:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	44.8	67.2
63	29.4	22.3	33.5





#7

Phenol-d6

Concen: 7.045 ng

RT: 6.99 min Scan# 664

Delta R.T. -0.06 min

Lab File: BG044658.D

Acq: 3 Mar 2020 9:23

Instrument :

BNA_G

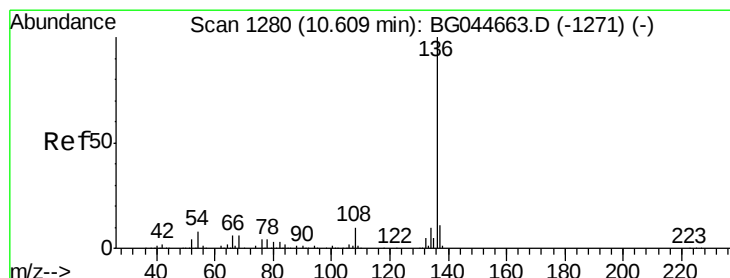
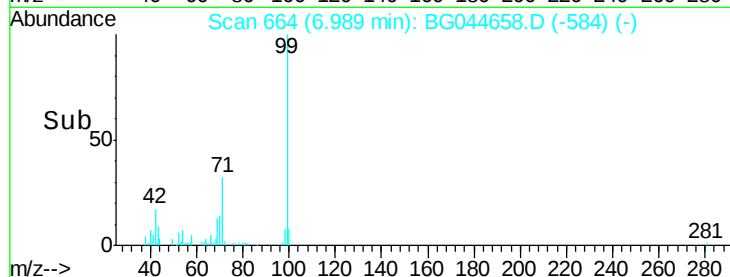
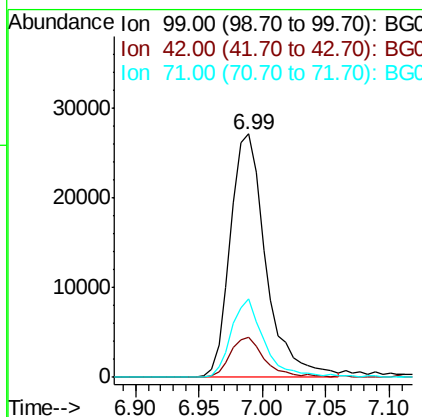
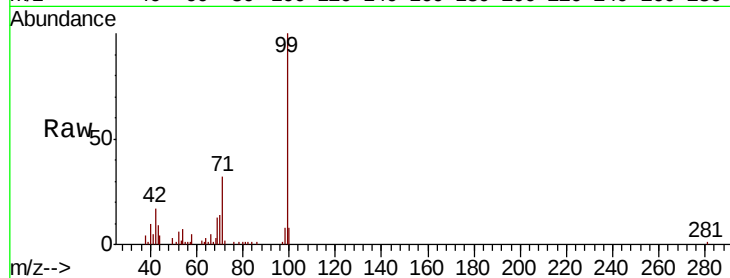
ClientSampleId :

PL-02-022820DL

Tot Ion:	99	Resp:	52688
Ion Ratio	Lower	Upper	
99	100		
42	16.6	12.8	19.2
71	32.2	24.4	36.6

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#21

Naphthalene-d8

Concen: 20.000 ng

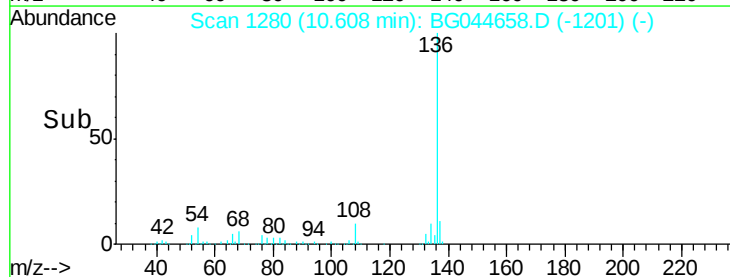
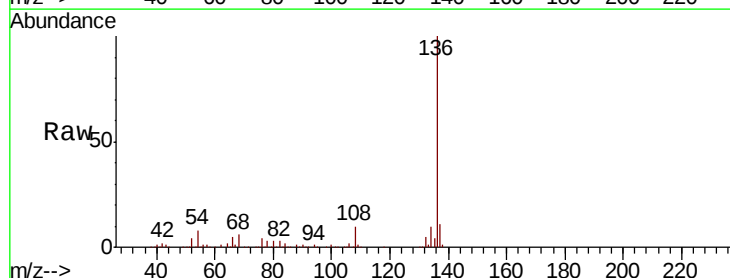
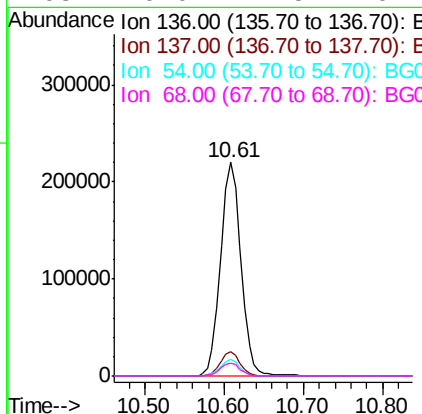
RT: 10.61 min Scan# 1280

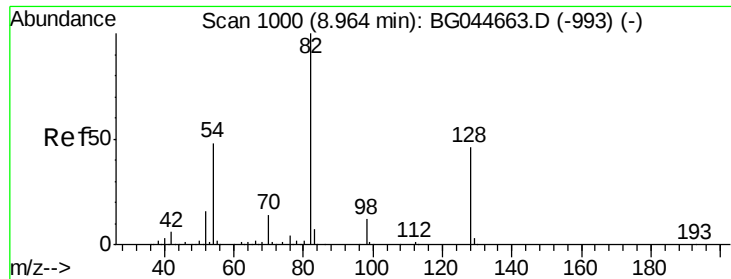
Delta R.T. -0.07 min

Lab File: BG044658.D

Acq: 3 Mar 2020 9:23

Tgt Ion:	136	Resp:	393163
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.8	13.2
54	8.0	5.7	8.5
68	6.0	4.5	6.7





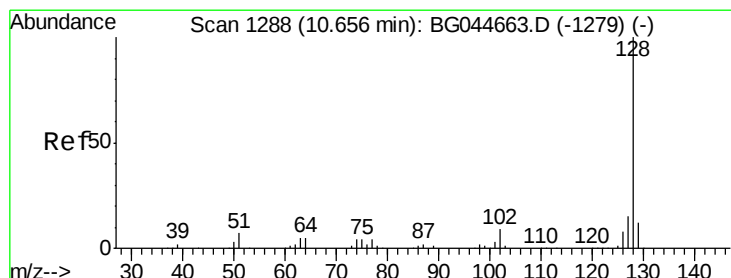
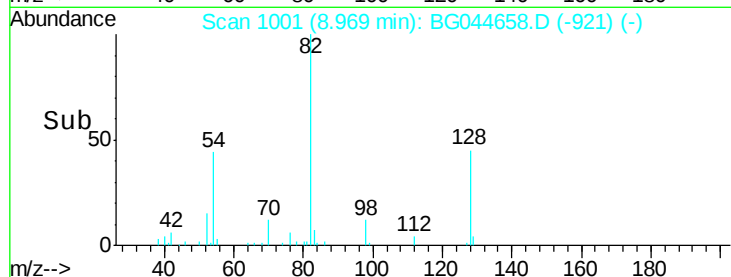
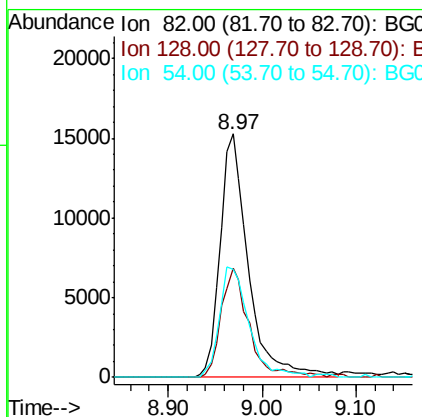
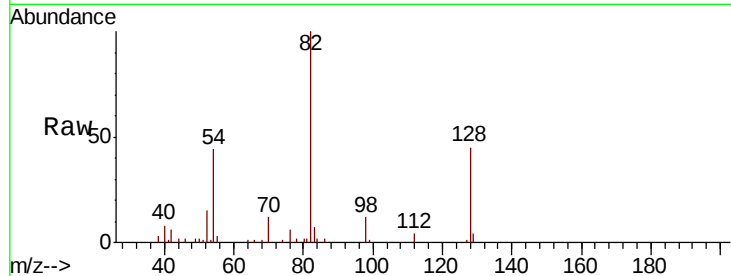
#23
Nitrobenzene-d5
Concen: 4.197 ng
RT: 8.97 min Scan# 1001
Delta R.T. -0.06 min
Lab File: BG044658.D
Acq: 3 Mar 2020 9:23

Instrument :
BNA_G
ClientSampleId :
PL-02-022820DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.6	38.1	57.1
54	44.2	37.5	56.3

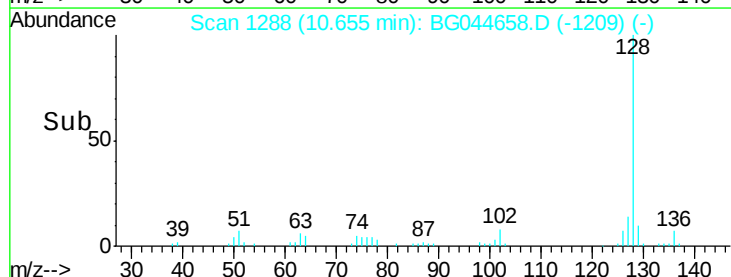
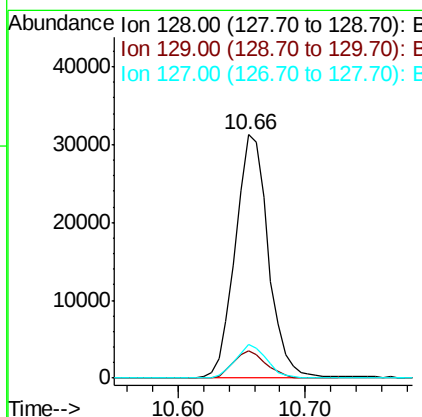
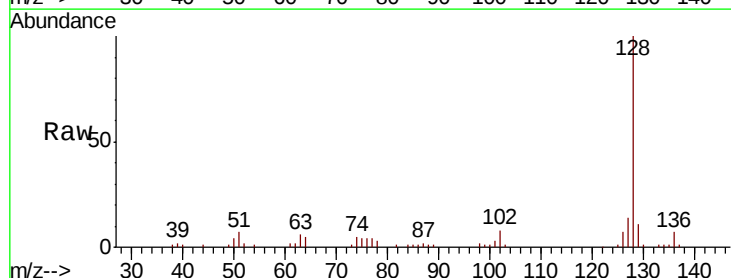
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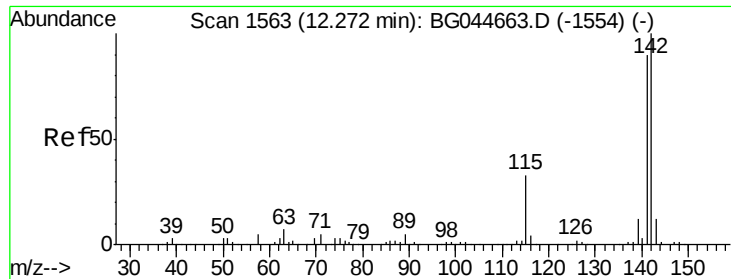
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#31
Naphthalene
Concen: 2.636 ng
RT: 10.66 min Scan# 1288
Delta R.T. -0.07 min
Lab File: BG044658.D
Acq: 3 Mar 2020 9:23

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	13.7	11.0	16.4





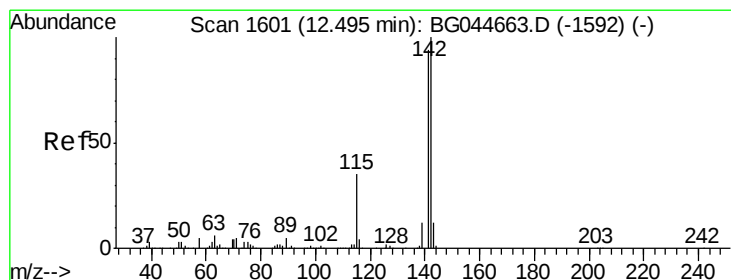
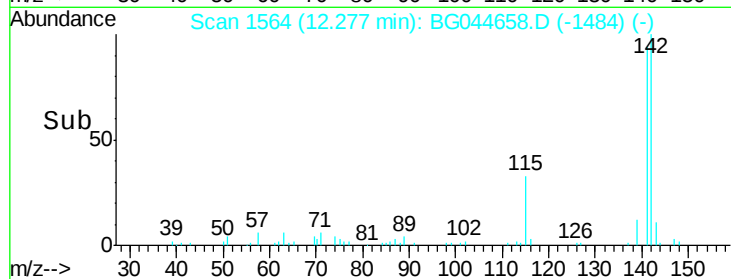
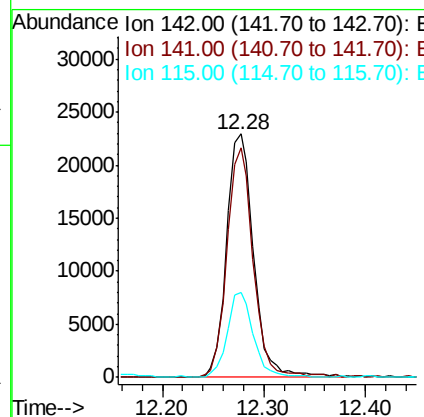
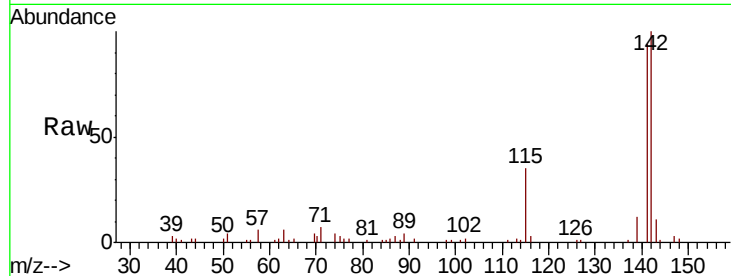
#37
2-Methylnaphthalene
Concen: 2.675 ng
RT: 12.28 min Scan# 1564
Delta R.T. -0.06 min
Lab File: BG044658.D
Acq: 3 Mar 2020 9:23

Instrument :
BNA_G
ClientSampleId :
PL-02-022820DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	94.4	71.3	106.9
115	34.7	26.2	39.2

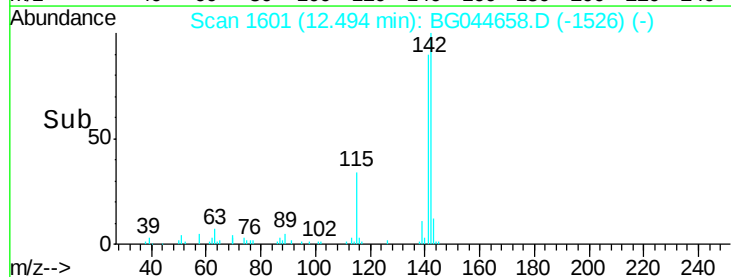
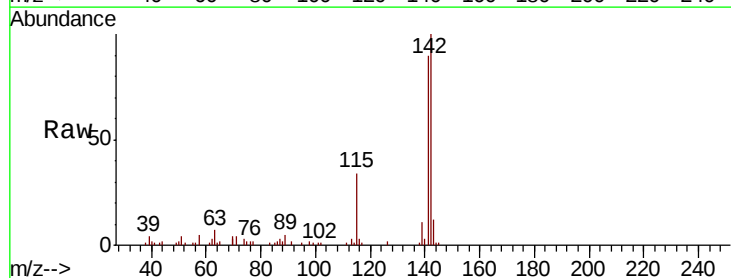
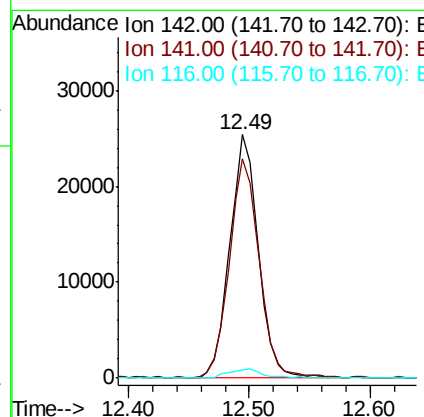
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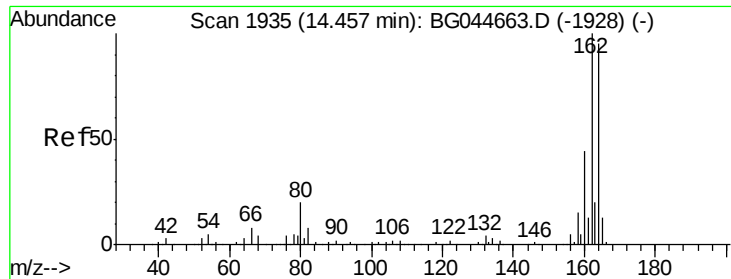
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#38
1-Methylnaphthalene
Concen: 2.777 ng
RT: 12.49 min Scan# 1601
Delta R.T. -0.06 min
Lab File: BG044658.D
Acq: 3 Mar 2020 9:23

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.1	75.1	112.7
116	3.4	2.6	4.0





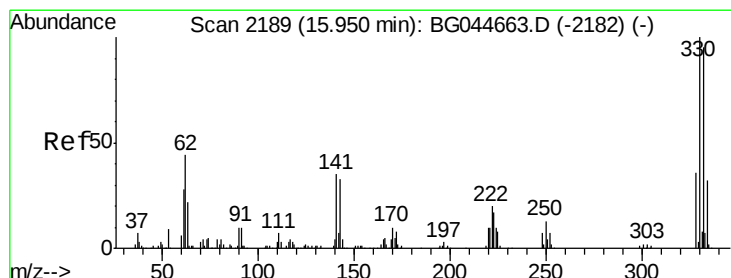
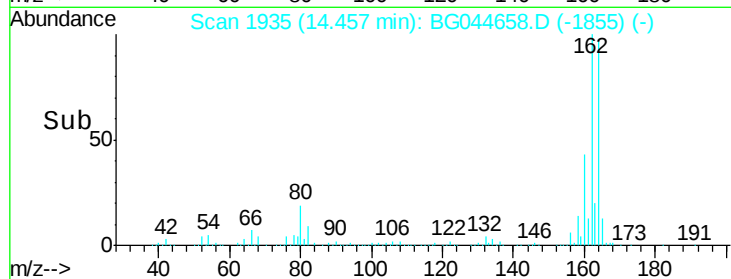
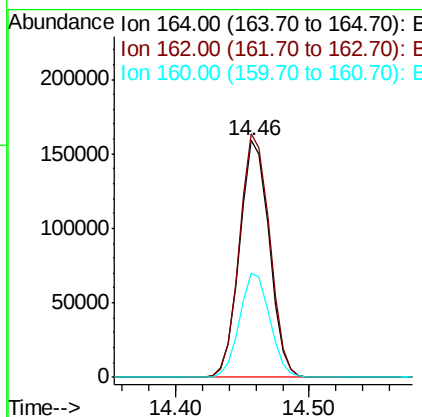
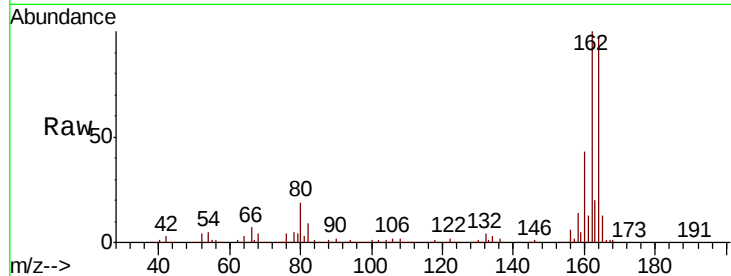
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.46 min Scan# 1935
Delta R.T. -0.06 min
Lab File: BG044658.D
Acq: 3 Mar 2020 9:23

Instrument :
BNA_G
ClientSampleId :
PL-02-022820DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.7	83.6	125.4
160	43.8	36.2	54.4

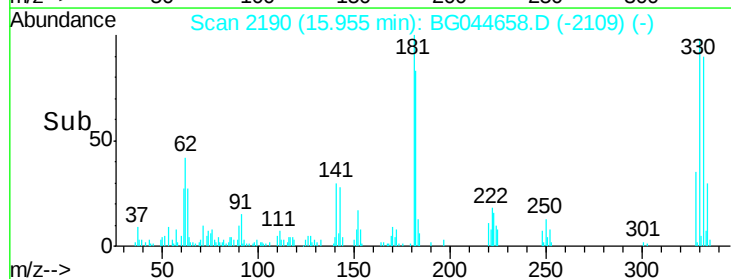
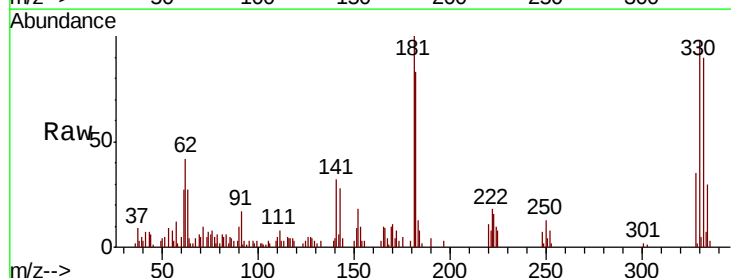
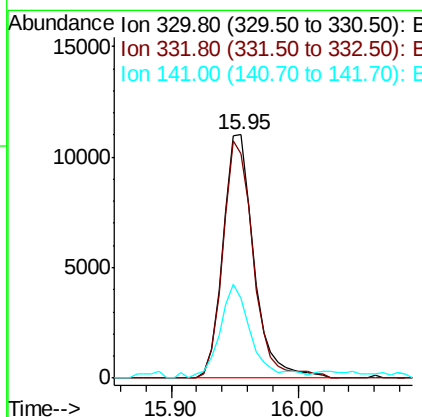
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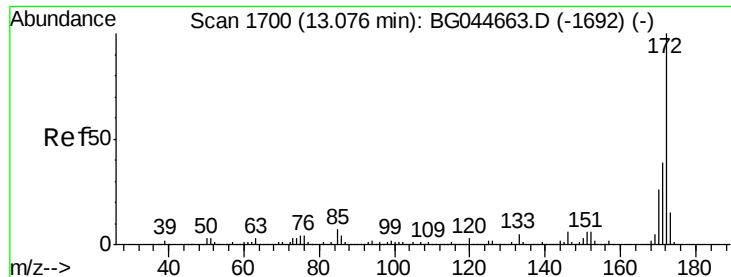
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#42
2,4,6-Tribromophenol
Concen: 5.332 ng
RT: 15.95 min Scan# 2190
Delta R.T. -0.06 min
Lab File: BG044658.D
Acq: 3 Mar 2020 9:23

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.4	116.0
141	39.7	26.1	39.1#





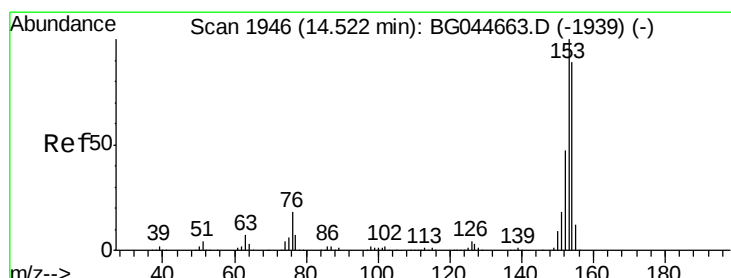
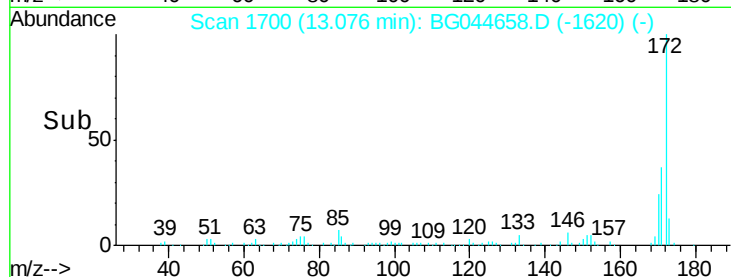
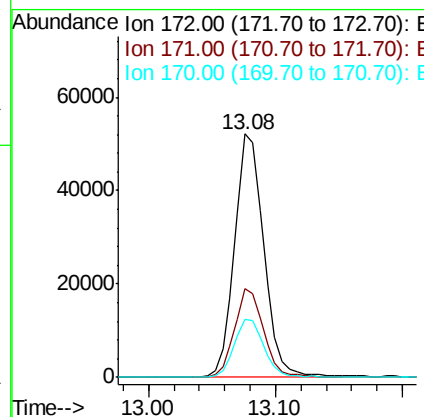
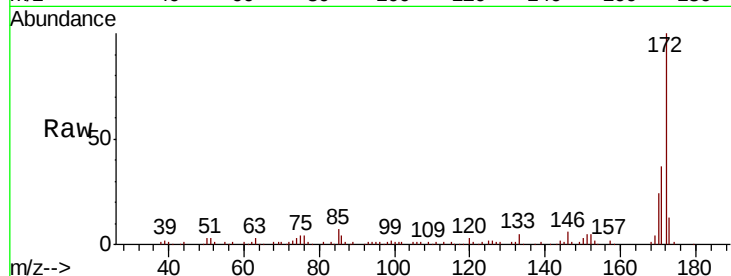
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2-Fluorobiphenyl
Concen: 4.838 ng
RT: 13.08 min Scan# 1700
Delta R.T. -0.06 min
Lab File: BG044658.D
Acq: 3 Mar 2020 9:23

Instrument :
BNA_G
ClientSampleId :
PL-02-022820DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	31.3	46.9
170	24.0	21.0	31.4

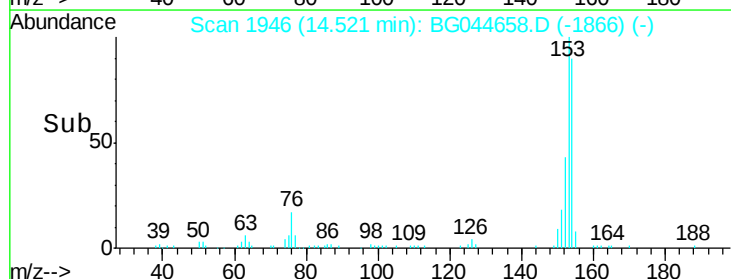
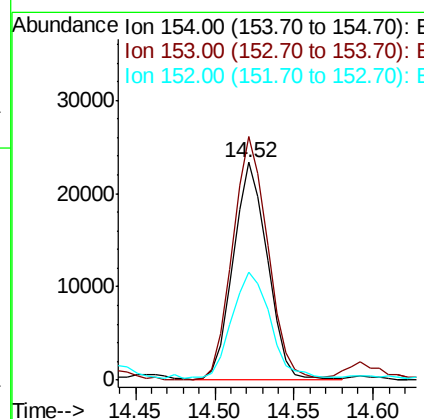
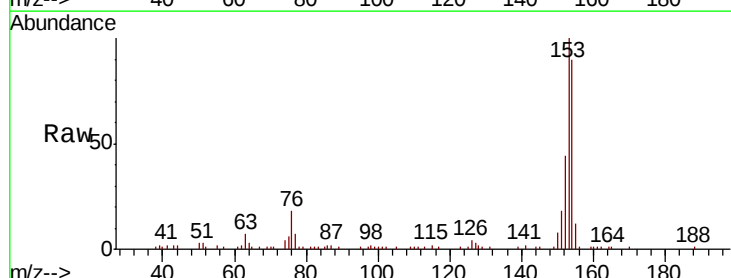
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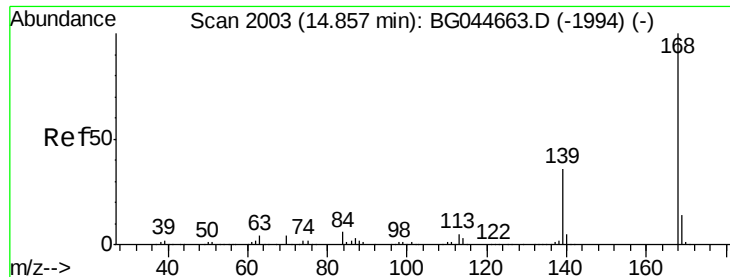
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#52
Acenaphthene
Concen: 2.343 ng
RT: 14.52 min Scan# 1946
Delta R.T. -0.06 min
Lab File: BG044658.D
Acq: 3 Mar 2020 9:23

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.7	89.4	134.0
152	49.5	43.0	64.4





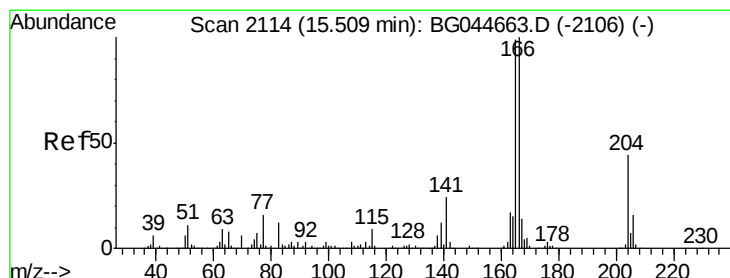
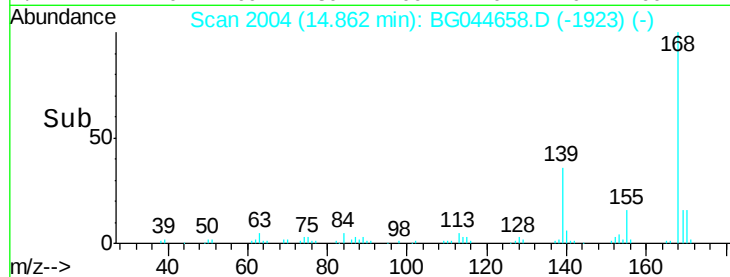
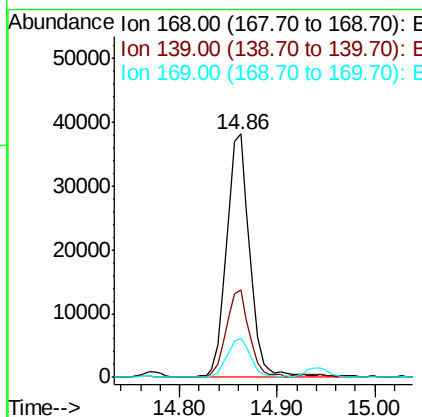
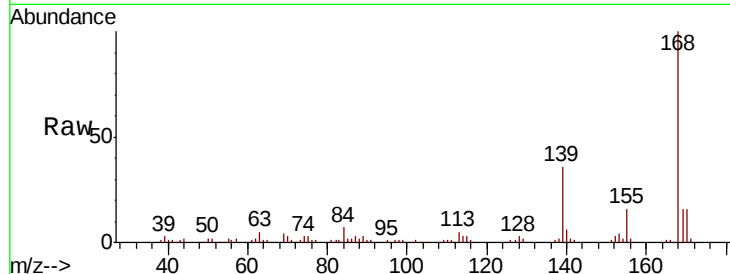
#55
Dibenzenofuran
Concen: 2.750 ng
RT: 14.86 min Scan# 2004
Delta R.T. -0.06 min
Lab File: BG044658.D
Acq: 3 Mar 2020 9:23

Instrument :
BNA_G
ClientSampleId :
PL-02-022820DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.1	29.2	43.8
169	15.8	11.0	16.6

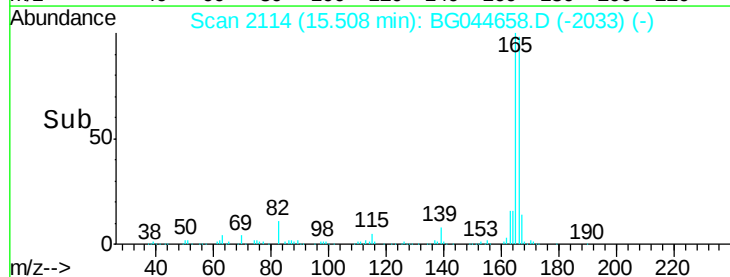
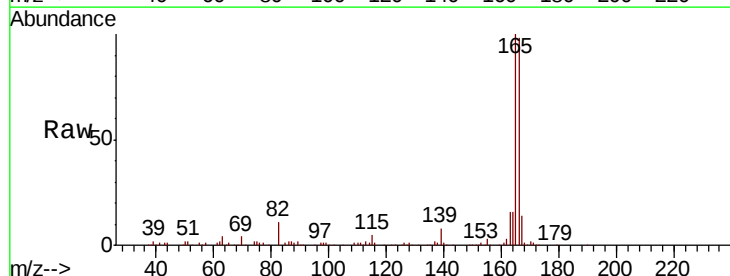
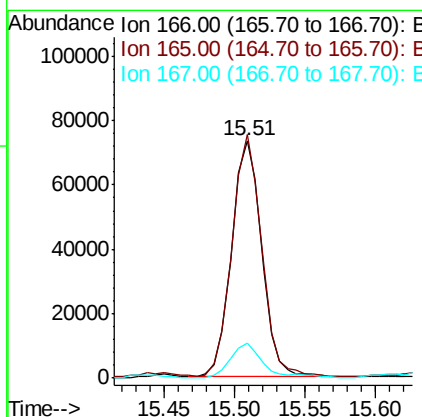
Manual Integrations
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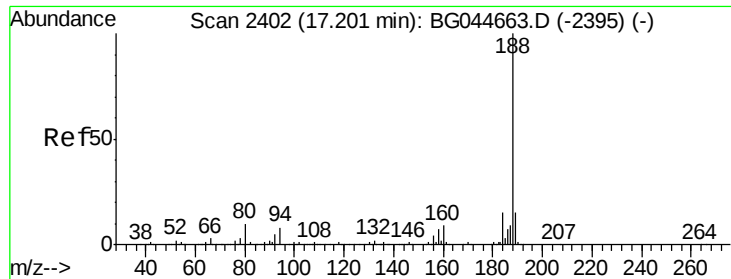
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#58
Fluorene
Concen: 5.964 ng
RT: 15.51 min Scan# 2114
Delta R.T. -0.06 min
Lab File: BG044658.D
Acq: 3 Mar 2020 9:23

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.5	79.2	118.8
167	14.5	11.7	17.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.21 min Scan# 2403

Delta R.T. -0.06 min

Lab File: BG044658.D

Acq: 3 Mar 2020 9:23

Instrument :

BNA_G

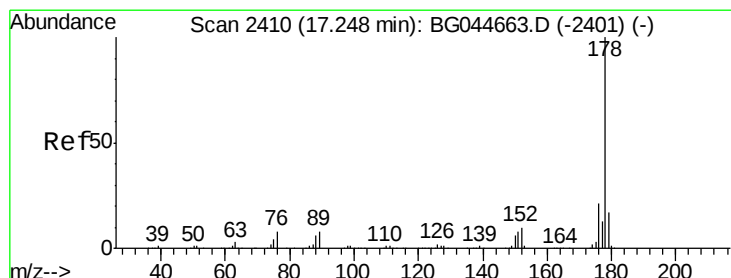
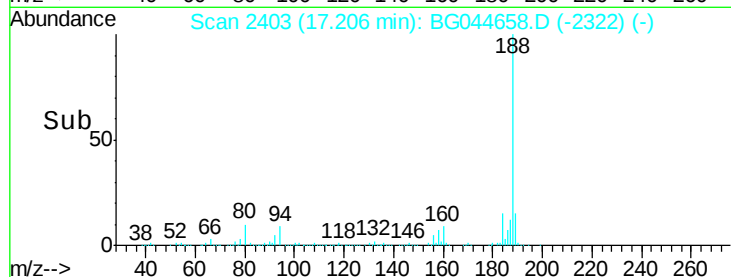
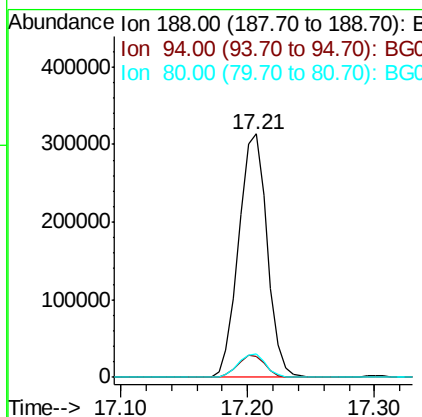
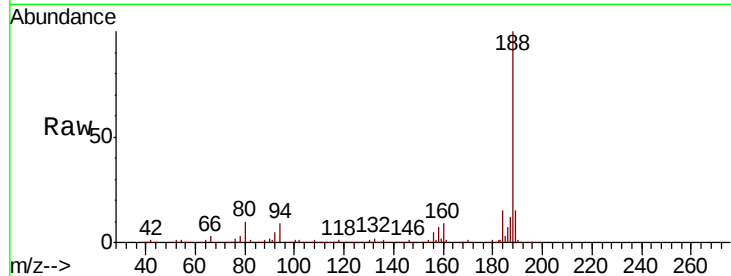
ClientSampleId :

PL-02-022820DL

Tot Ion:	188	Resp:	488282
Ion Ratio	Lower	Upper	
188	100		
94	8.5	6.7	10.1
80	9.7	7.6	11.4

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#71

Phenanthrene

Concen: 24.021 ng

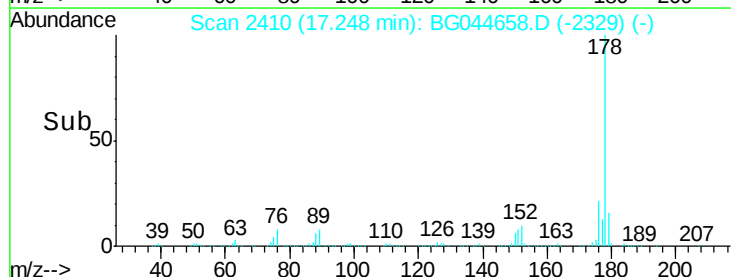
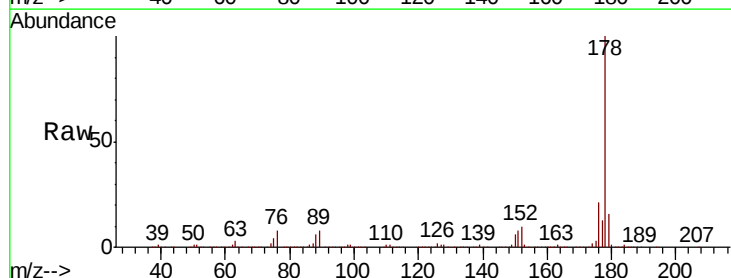
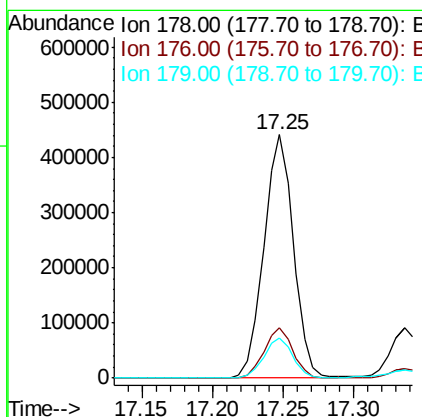
RT: 17.25 min Scan# 2410

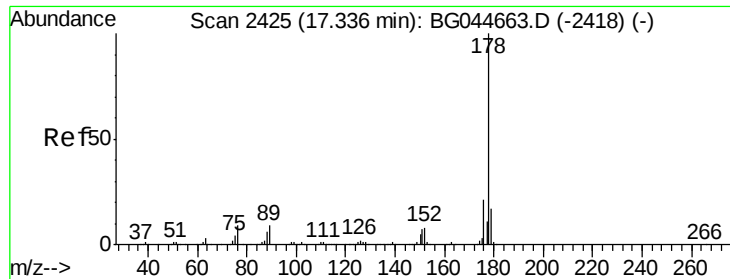
Delta R.T. -0.06 min

Lab File: BG044658.D

Acq: 3 Mar 2020 9:23

Tgt Ion:	178	Resp:	649354
Ion Ratio	Lower	Upper	
178	100		
176	20.7	16.6	25.0
179	16.2	13.3	19.9





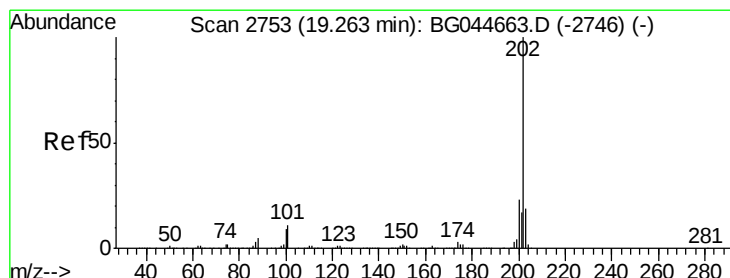
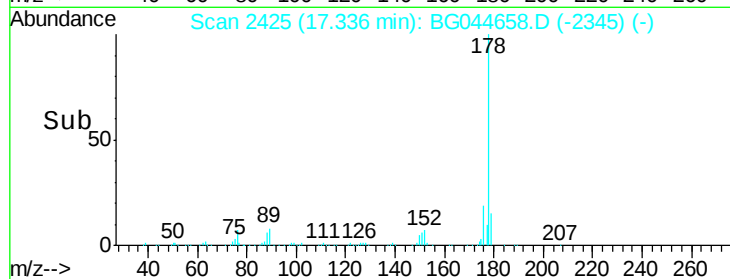
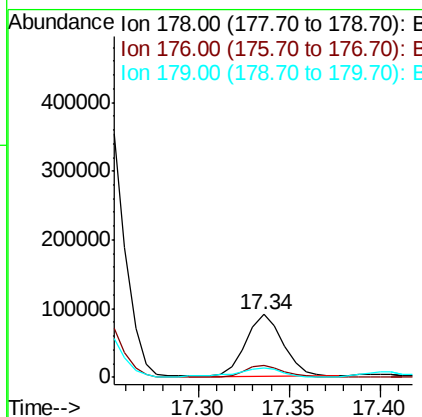
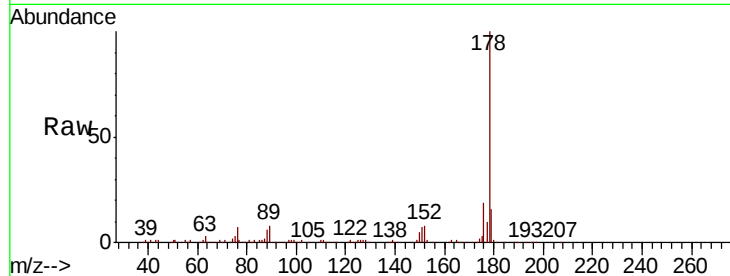
#72
 Anthracene
 Concen: 4.798 ng
 RT: 17.34 min Scan# 2425
 Delta R.T. -0.06 min
 Lab File: BG044658.D
 Acq: 3 Mar 2020 9:23

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-022820DL

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

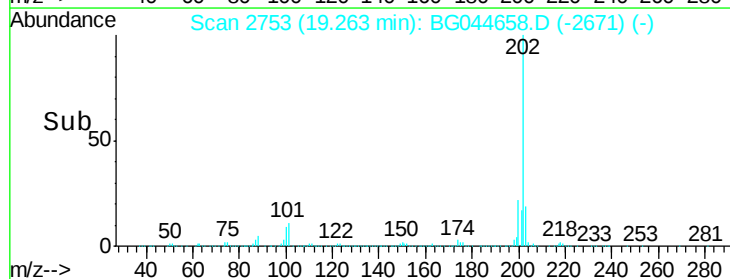
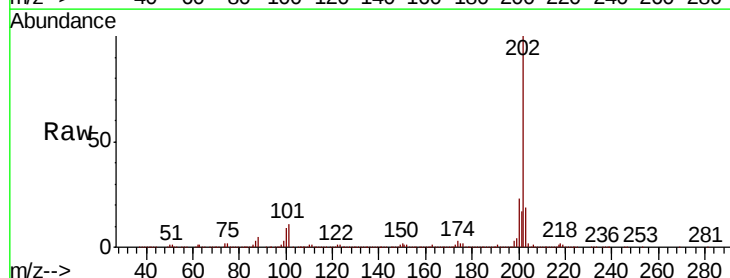
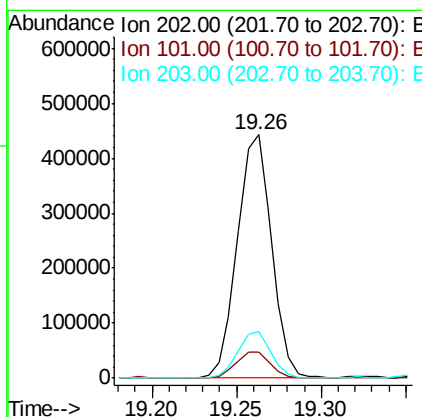
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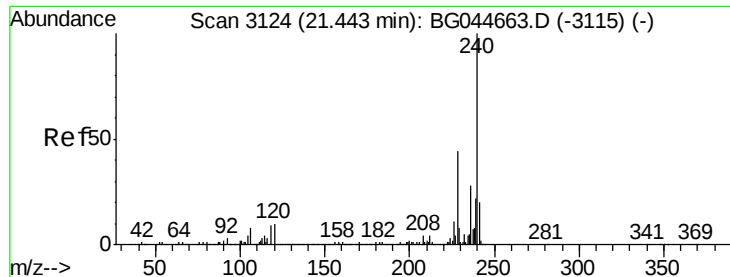
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#75
 Fluoranthene
 Concen: 19.542 ng
 RT: 19.26 min Scan# 2753
 Delta R.T. -0.05 min
 Lab File: BG044658.D
 Acq: 3 Mar 2020 9:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.0
203	19.0	0.0	39.2





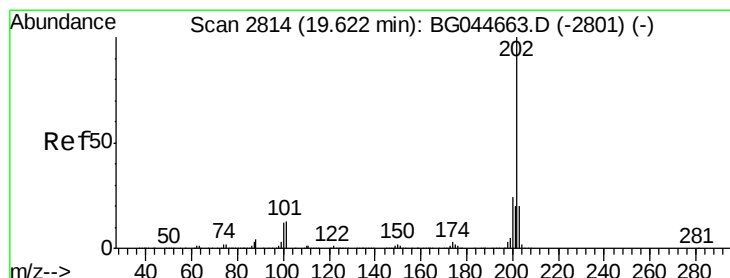
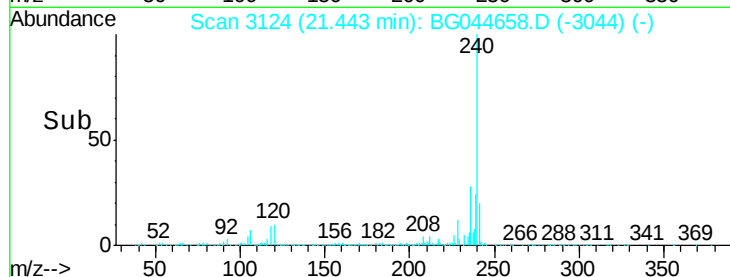
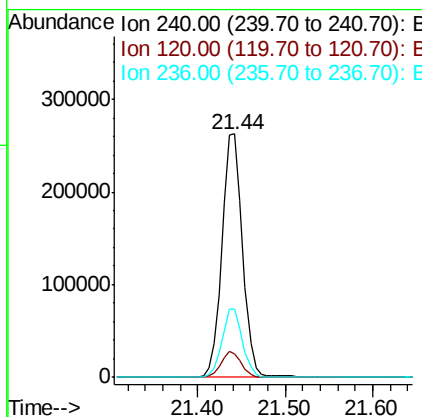
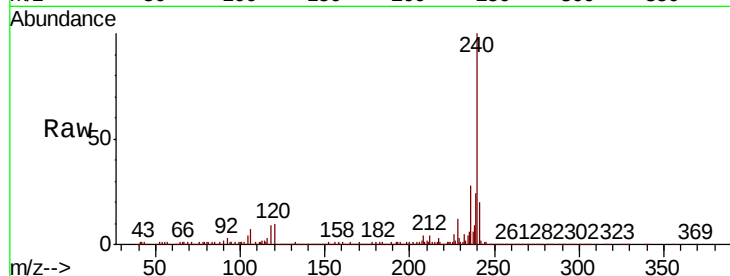
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.44 min Scan# 3124
Delta R.T. -0.06 min
Lab File: BG044658.D
Acq: 3 Mar 2020 9:23

Instrument :
BNA_G
ClientSampleId :
PL-02-022820DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.3	12.5
236	28.0	22.3	33.5

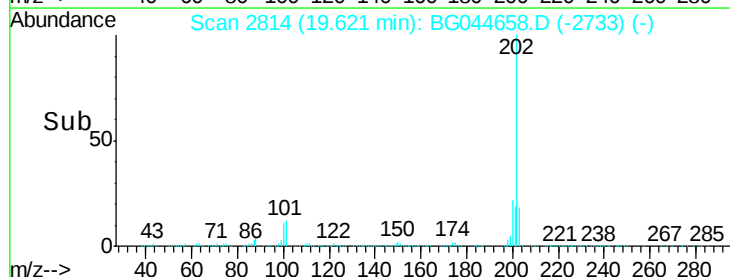
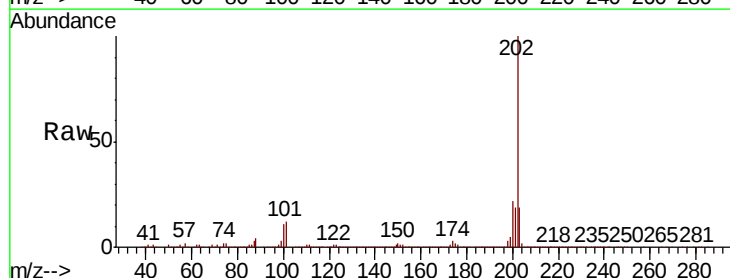
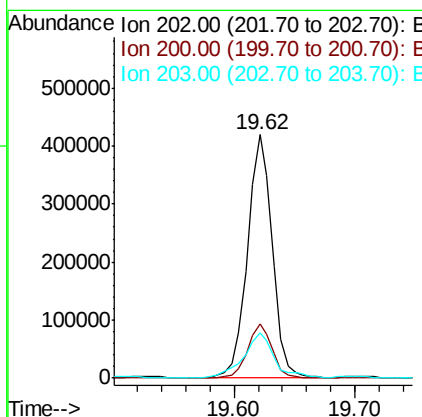
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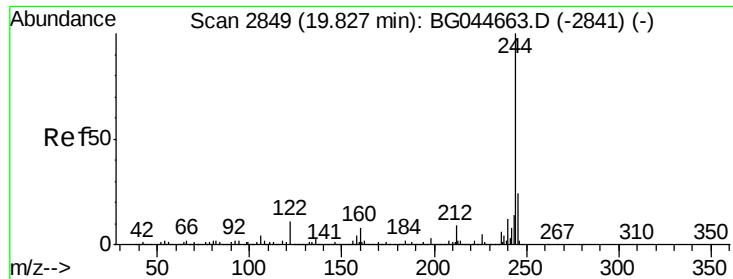
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#78
Pyrene
Concen: 19.584 ng
RT: 19.62 min Scan# 2814
Delta R.T. -0.06 min
Lab File: BG044658.D
Acq: 3 Mar 2020 9:23

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.4	18.6	28.0
203	18.6	15.3	22.9





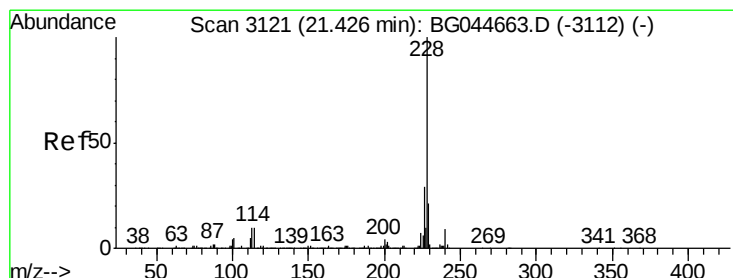
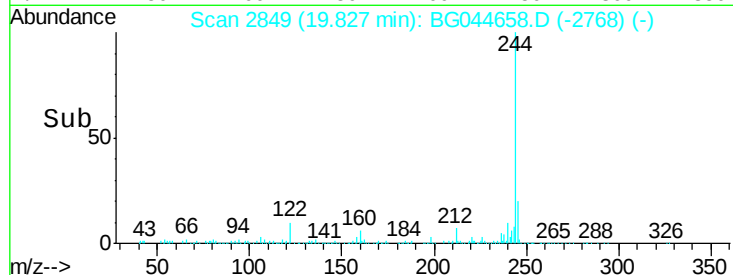
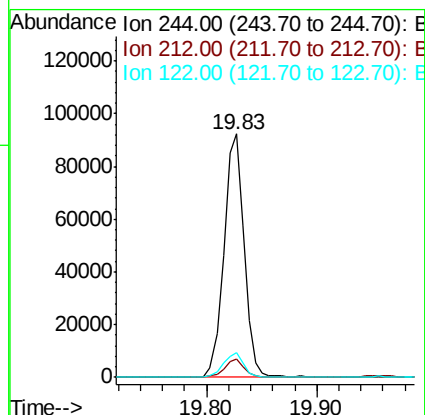
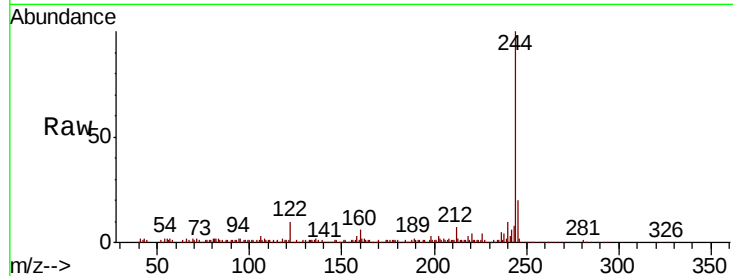
#79
 Terphenyl-d14
 Concen: 5.302 ng
 RT: 19.83 min Scan# 2849
 Delta R.T. -0.06 min
 Lab File: BG044658.D
 Acq: 3 Mar 2020 9:23

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-022820DL

Tot Ion:	244	Resp:	117932
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.5	9.7
122	10.2	8.2	12.4

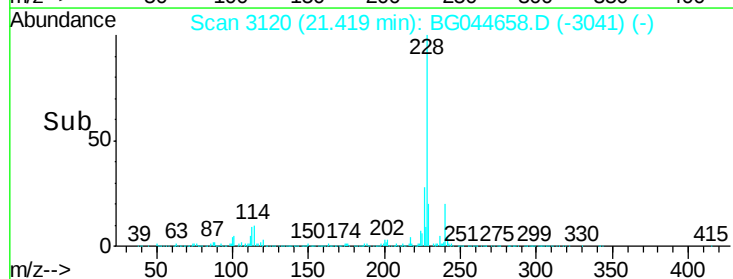
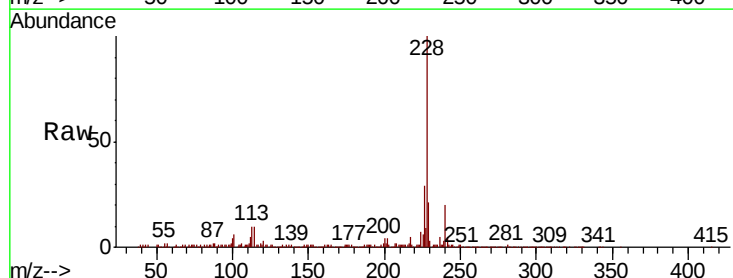
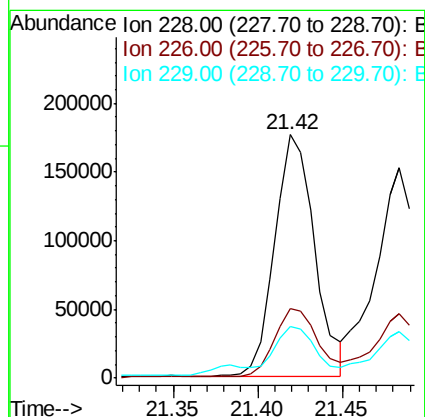
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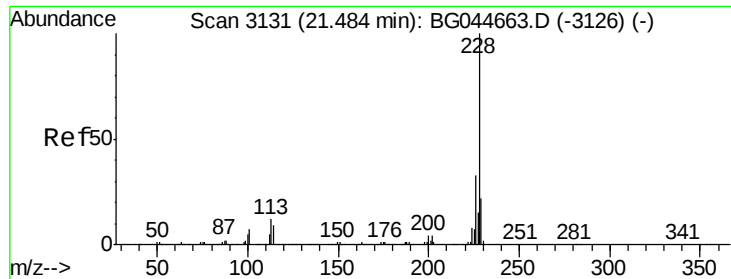
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#81
 Benzo(a)anthracene
 Concen: 9.689 ng
 RT: 21.42 min Scan# 3120
 Delta R.T. -0.07 min
 Lab File: BG044658.D
 Acq: 3 Mar 2020 9:23

Tgt Ion:	228	Resp:	286750
Ion Ratio	Lower	Upper	
228	100		
226	28.6	23.8	35.8
229	21.3	17.2	25.8





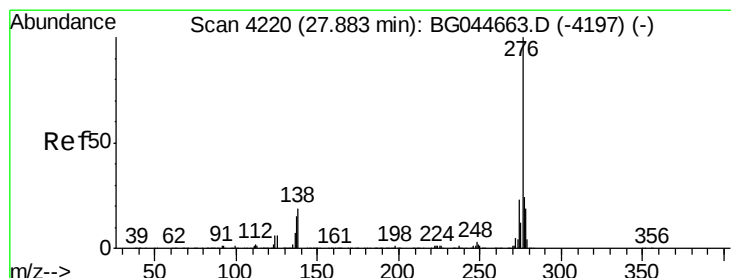
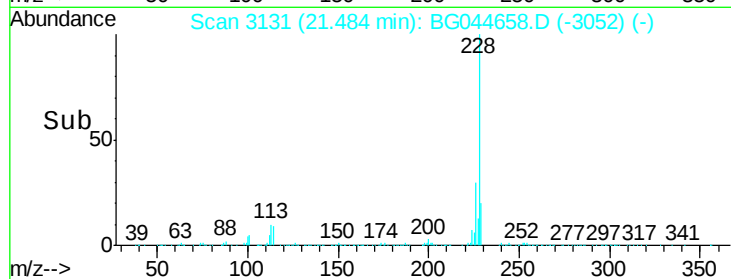
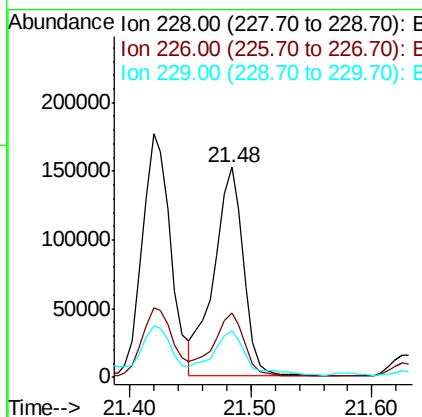
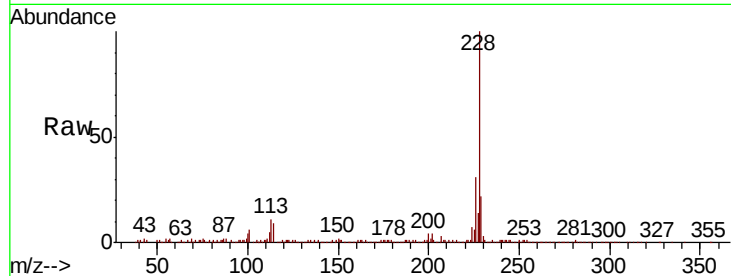
#83
Chrysene
Concen: 8.975 ng
RT: 21.48 min Scan# 3131
Delta R.T. -0.07 min
Lab File: BG044658.D
Acq: 3 Mar 2020 9:23

Instrument :
BNA_G
ClientSampleId :
PL-02-022820DL

Tot Ion	Ratio	Resp	Lower	Upper
228	100	256818		
226	30.7		26.1	39.1
229	22.2		17.2	25.8

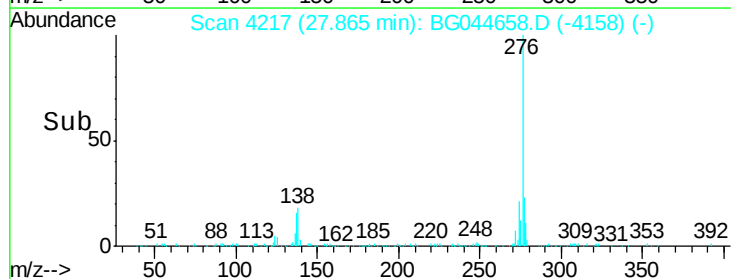
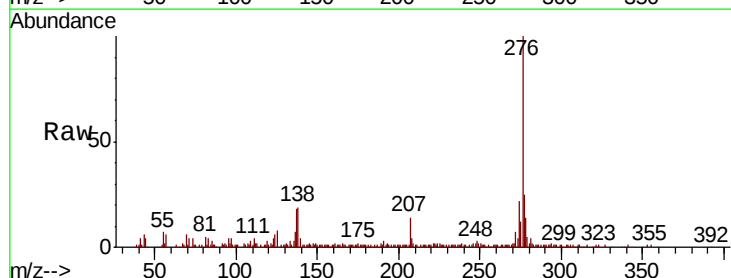
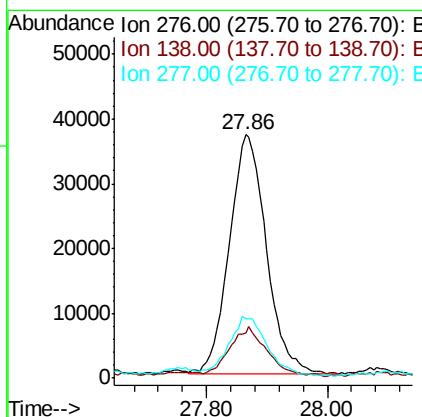
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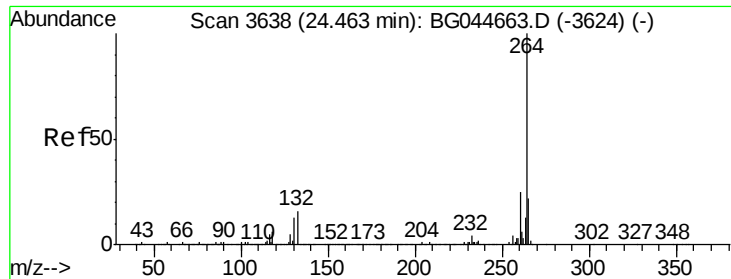
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.301 ng
RT: 27.86 min Scan# 4217
Delta R.T. -0.18 min
Lab File: BG044658.D
Acq: 3 Mar 2020 9:23

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	157929		
138	18.9		18.2	27.4
277	26.0		20.7	31.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.46 min Scan# 3638

Delta R.T. -0.11 min

Lab File: BG044658.D

Acq: 3 Mar 2020 9:23

Instrument :

BNA_G

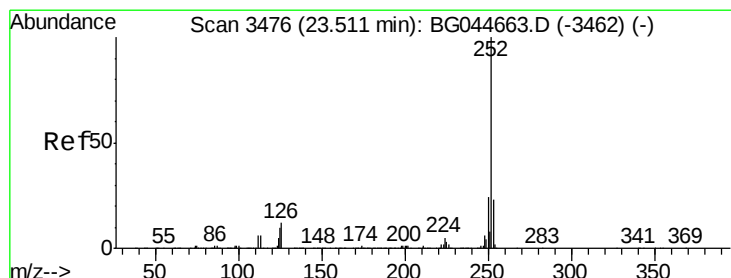
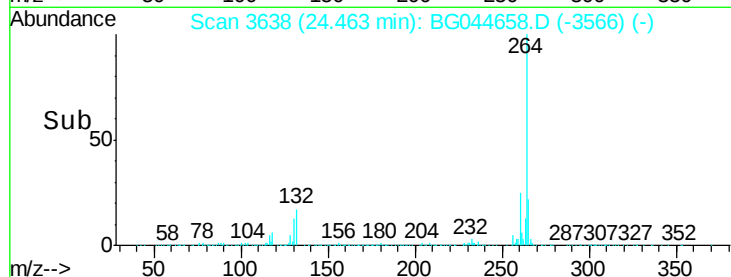
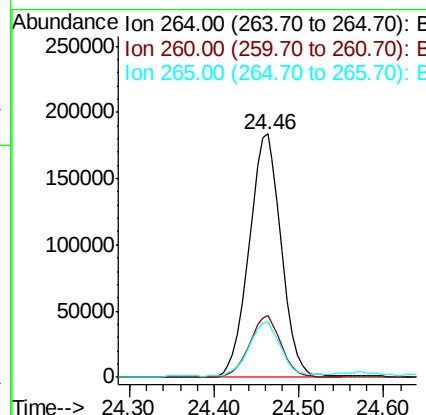
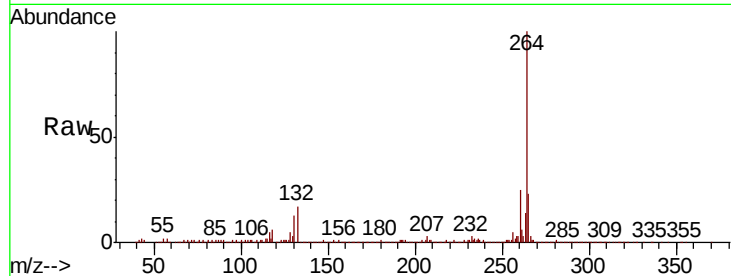
ClientSampleId :

PL-02-022820DL

Tot Ion:	264	Resp:	482763
Ion Ratio		Lower	Upper
264	100		
260	25.5	19.7	29.5
265	22.5	17.8	26.8

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#88

Benzo(b)fluoranthene

Concen: 10.228 ng

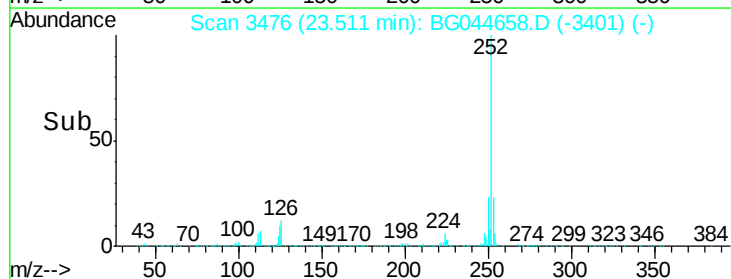
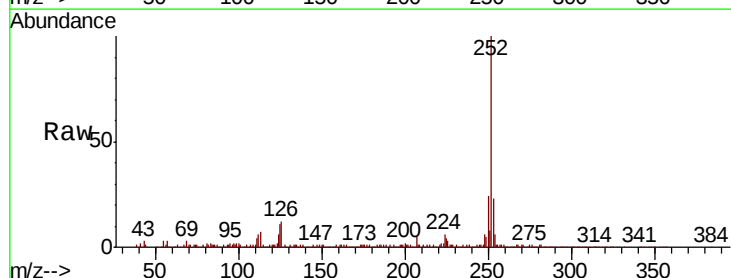
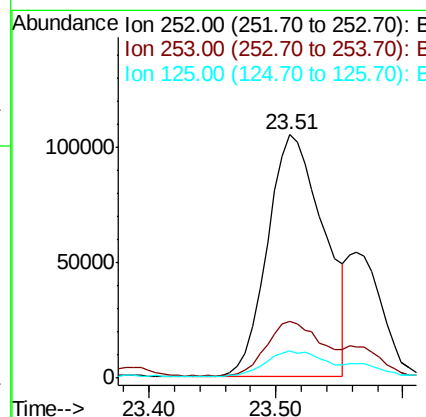
RT: 23.51 min Scan# 3476

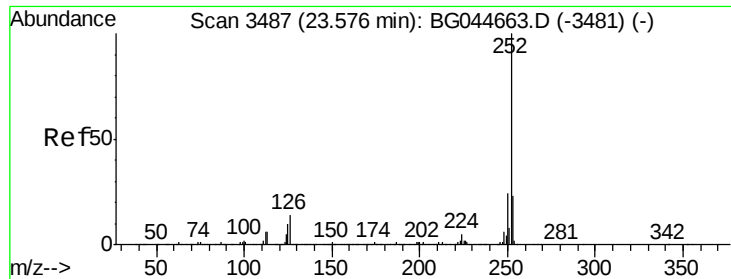
Delta R.T. -0.09 min

Lab File: BG044658.D

Acq: 3 Mar 2020 9:23

Tgt Ion:	252	Resp:	324643
Ion Ratio		Lower	Upper
252	100		
253	23.3	18.4	27.6
125	11.0	7.9	11.9





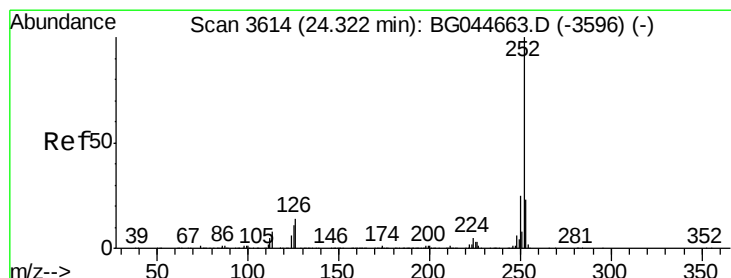
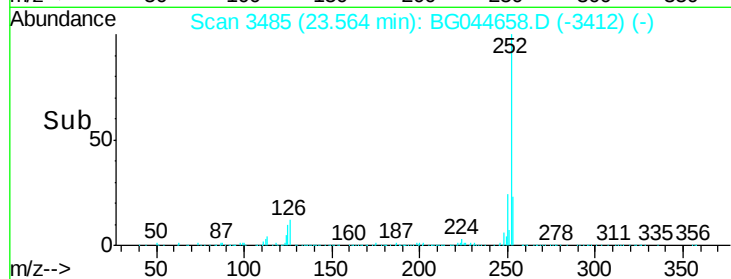
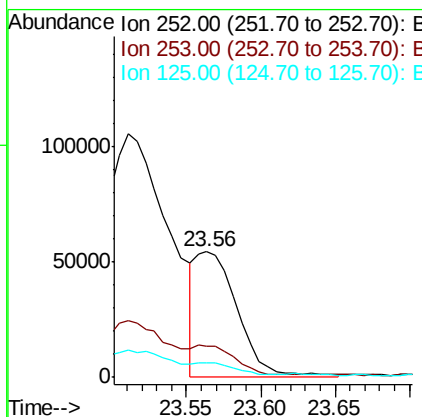
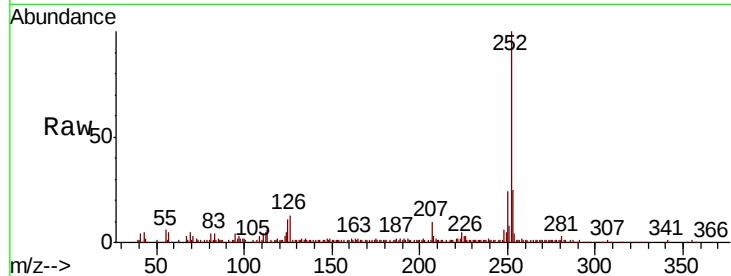
#89
Benzo(k)fluoranthene
Concen: 3.474 ng
RT: 23.56 min Scan# 3485
Delta R.T. -0.10 min
Lab File: BG044658.D
Acq: 3 Mar 2020 9:23

Instrument :
BNA_G
ClientSampleId :
PL-02-022820DL

Tot Ion:	252	Resp:	106982
Ion Ratio	Lower	Upper	
252	100		
253	24.6	19.0	28.6
125	11.4	7.8	11.8

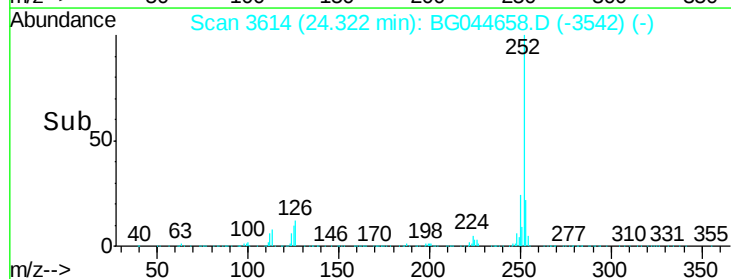
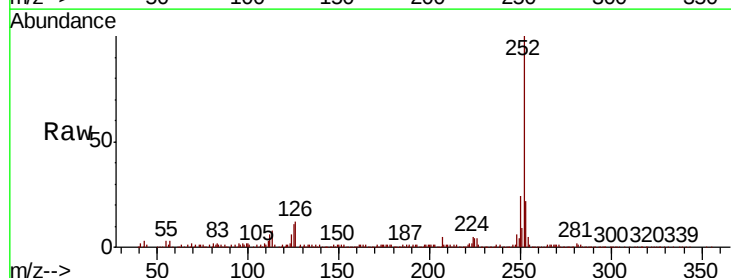
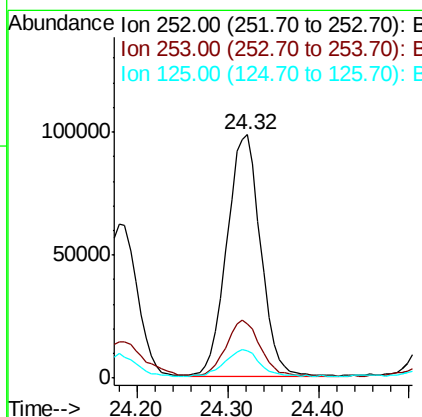
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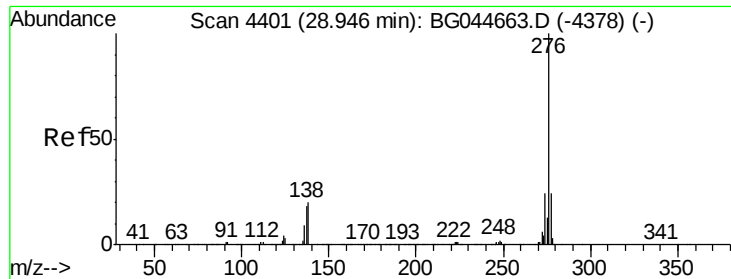
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#90
Benzo(a)pyrene
Concen: 8.463 ng
RT: 24.32 min Scan# 3614
Delta R.T. -0.11 min
Lab File: BG044658.D
Acq: 3 Mar 2020 9:23

Tgt Ion:	252	Resp:	252386
Ion Ratio	Lower	Upper	
252	100		
253	22.5	19.0	28.4
125	11.0	8.5	12.7





#92
 Benzo(a,h,i)perylene
 Concen: 5.212 ng
 RT: 28.93 min Scan# 4398
 Delta R.T. -0.20 min
 Lab File: BG044658.D
 Acq: 3 Mar 2020 9:23

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-022820DL

Tot Ion:	276	Resp:	154007
Ion Ratio		Lower	Upper
276	100		
277	25.7	19.5	29.3
138	21.3	16.1	24.1

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