

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021920\
 Data File : BG044513.D
 Acq On : 20 Feb 2020 7:51
 Operator : CG/JU
 Sample : L1573-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOC-1

Manual Integrations
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Quant Time: Feb 20 10:26:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	64218	20.00	ng	-0.02
21) Naphthalene-d8	10.69	136	271601	20.00	ng	-0.01
39) Acenaphthene-d10	14.53	164	186075	20.00	ng	-0.01
64) Phenanthrene-d10	17.28	188	408324	20.00	ng	-0.01
76) Chrysene-d12	21.52	240	388472	20.00	ng	-0.02
87) Perylene-d12	24.60	264	424431	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	402697	110.67	ng	-0.01
7) Phenol-d6	7.07	99	530771	108.62	ng	-0.01
23) Nitrobenzene-d5	9.05	82	330527	68.70	ng	-0.02
42) 2,4,6-Tribromophenol	16.02	330	226412	103.65	ng	-0.01
45) 2-Fluorobiphenyl	13.15	172	790028	71.10	ng	-0.01
79) Terphenyl-d14	19.89	244	1241162	65.72	ng	-0.01
Target Compounds						
10) Phenol	7.09	94	10993	2.273	ng	Qvalue # 73
31) Naphthalene	10.74	128	344593	26.151	ng	98
37) 2-Methylnaphthalene	12.35	142	85574	8.747	ng	96
38) 1-Methylnaphthalene	12.57	142	41219	4.469	ng	97
46) 1,1'-Biphenyl	13.36	154	36905	2.750	ng	94
50) Dimethylphthalate	13.98	163	31973	2.390	ng	98
52) Acenaphthene	14.59	154	213228	21.000	ng	98
55) Dibenzofuran	14.93	168	229511	14.929	ng	98
58) Fluorene	15.58	166	206107	17.022	ng	99
71) Phenanthrene	17.32	178	1486836	75.197	ng	97
72) Anthracene	17.41	178	370932	18.975	ng	96
73) Carbazole	17.68	167	187525	10.406	ng	96
75) Fluoranthene	19.33	202	1421344	62.141	ng	98
78) Pyrene	19.69	202	1156893	46.373	ng	99
81) Benzo(a)anthracene	21.50	228	629858	26.308	ng	97
83) Chrysene	21.57	228	517112	22.345	ng	97
86) Indeno(1,2,3-cd)pyrene	28.08	276	290849	9.633	ng	# 93
88) Benzo(b)fluoranthene	23.63	252	683779	27.958	ng	98
89) Benzo(k)fluoranthene	23.69	252	255919m	10.736	ng	
90) Benzo(a)pyrene	24.45	252	498138	21.542	ng	99
91) Dibenzo(a,h)anthracene	28.12	278	71216m	3.112	ng	
92) Benzo(g,h,i)perylene	29.17	276	275646	12.032	ng	97

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

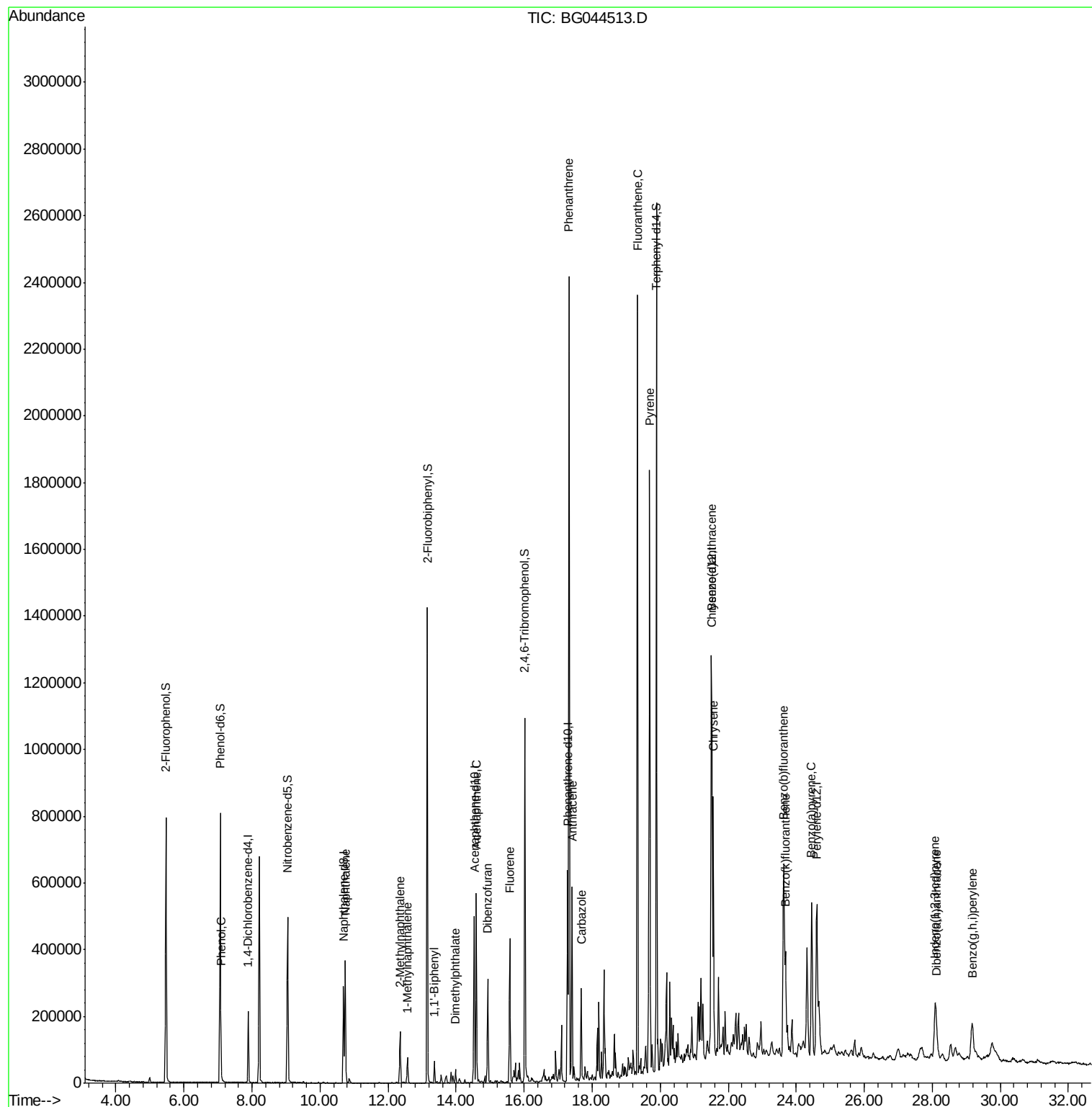
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021920\
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Acq On : 20 Feb 2020 7:51
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Misc :
ALS Vial : 25 Sample Multiplier: 1

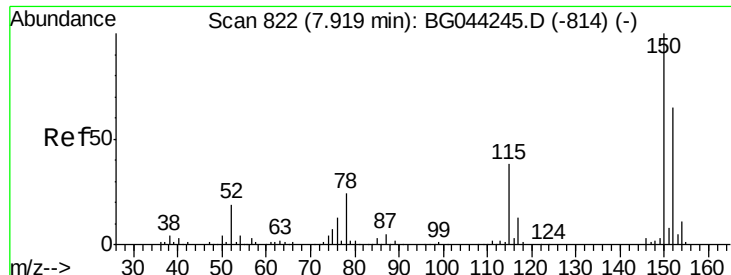
Instrument :
BNA_G
ClientSampleId :
LOC-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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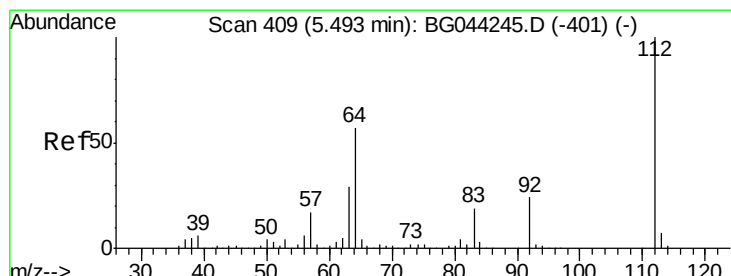
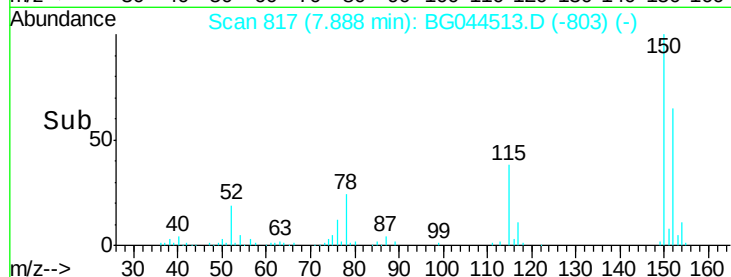
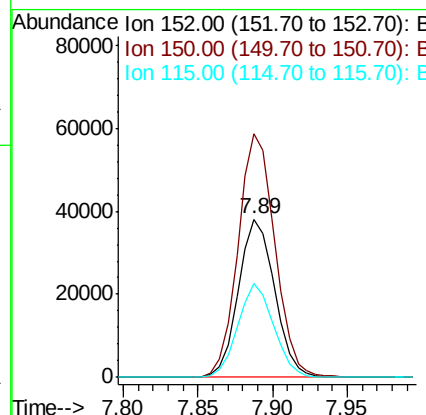
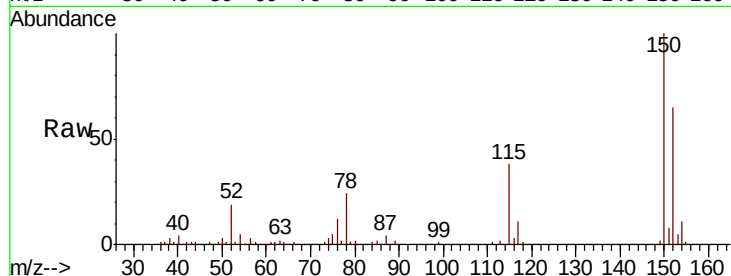
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.89 min Scan# 817
 Delta R.T. -0.02 min
 Lab File: BG044513.D
 Acq: 20 Feb 2020 7:51

Instrument :
 BNA_G
 ClientSampled :
 LOC-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	122.6	183.8
115	59.0	46.0	69.0

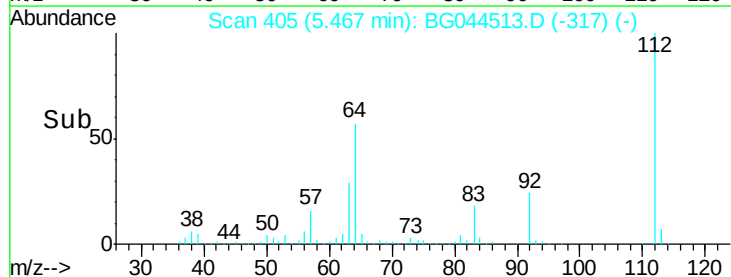
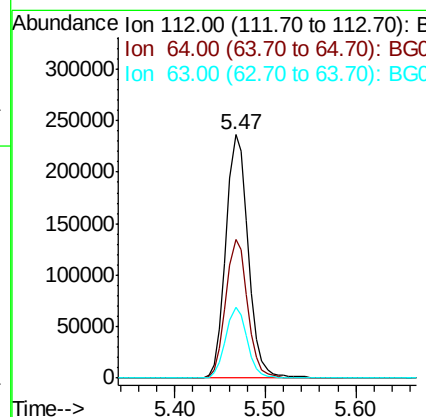
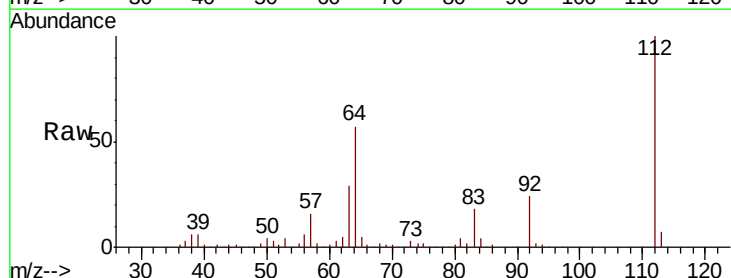
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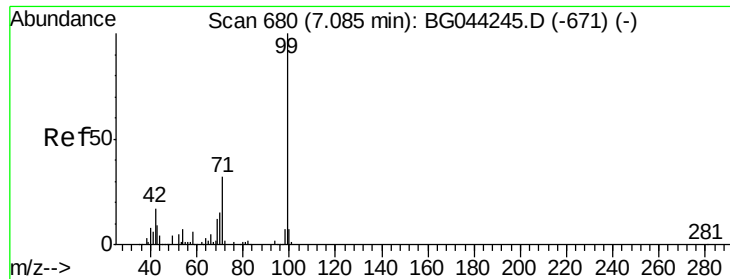
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#5
 2-Fluorophenol
 Concen: 110.669 ng
 RT: 5.47 min Scan# 405
 Delta R.T. -0.01 min
 Lab File: BG044513.D
 Acq: 20 Feb 2020 7:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	45.4	68.2
63	29.2	22.9	34.3





#7

Phenol-d6

Concen: 108.625 ng

RT: 7.07 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG044513.D

Acq: 20 Feb 2020 7:51

Instrument :

BNA_G

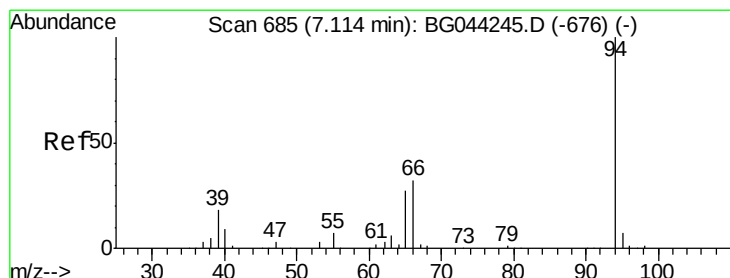
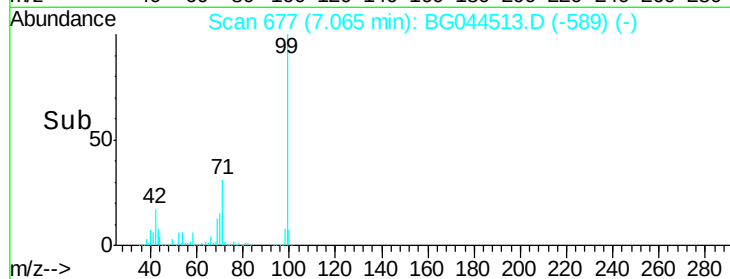
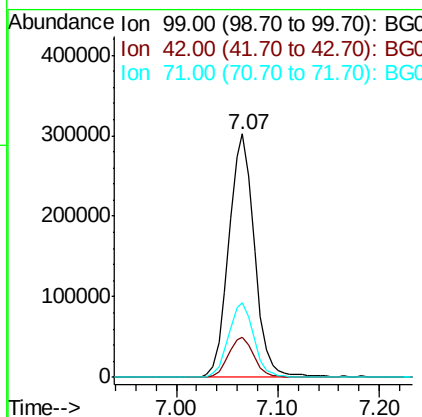
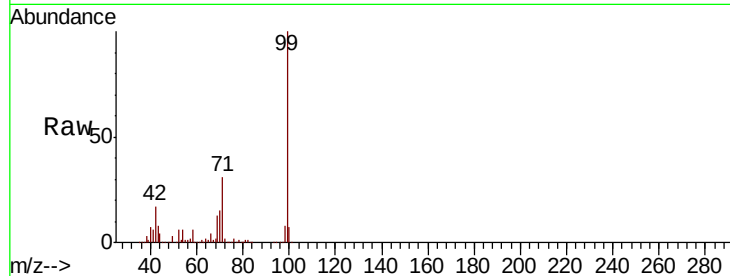
ClientSampleId :

LOC-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		530771		
42	16.5	13.8	20.6		
71	30.8	25.5	38.3		

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#10

Phenol

Concen: 2.273 ng

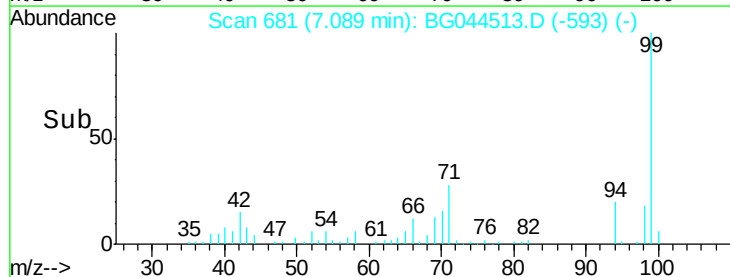
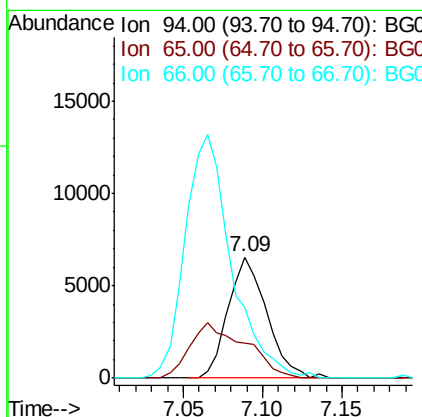
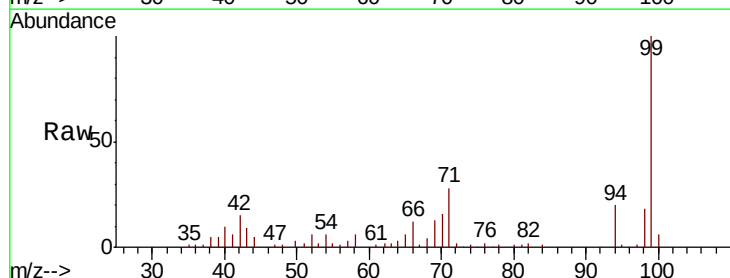
RT: 7.09 min Scan# 681

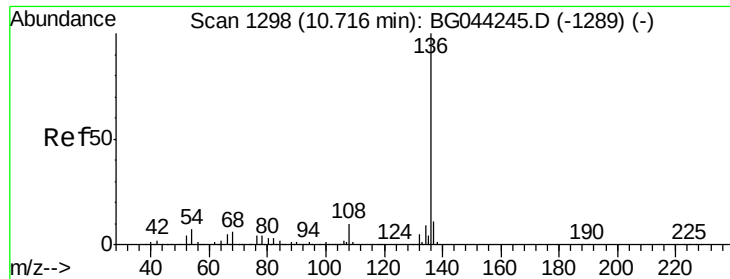
Delta R.T. -0.01 min

Lab File: BG044513.D

Acq: 20 Feb 2020 7:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		10993		
65	28.4	7.0	47.0		
66	58.9	12.7	52.7		





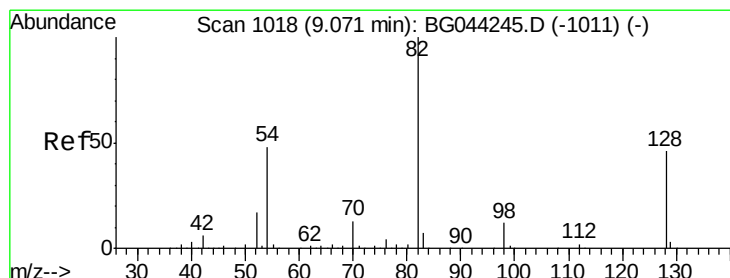
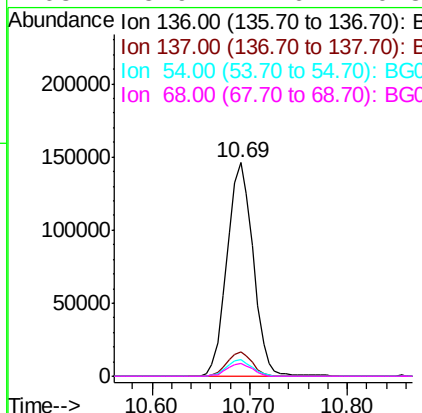
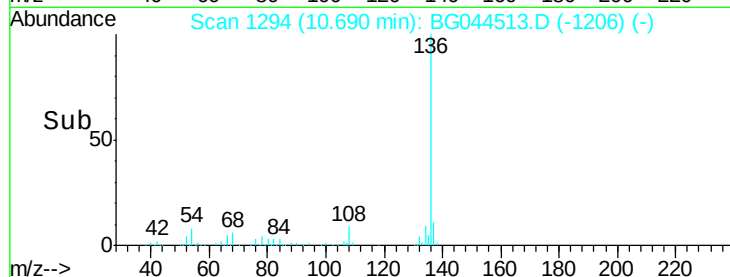
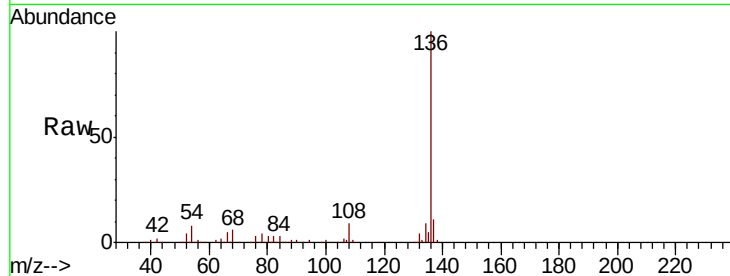
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.69 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BG044513.D
Acq: 20 Feb 2020 7:51

Instrument :
BNA_G
ClientSampled :
LOC-1

Tot Ion	Ratio	Resp	Lower	Upper
136	100	271601		
137	11.1		8.8	13.2
54	7.8		5.8	8.8
68	5.9		4.6	6.8

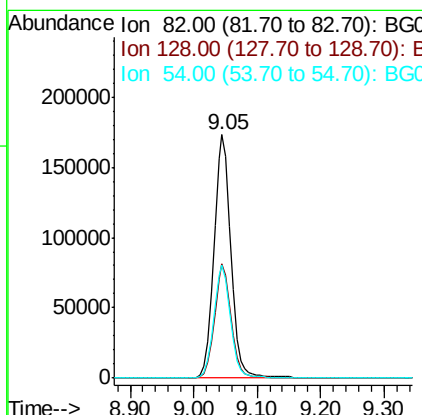
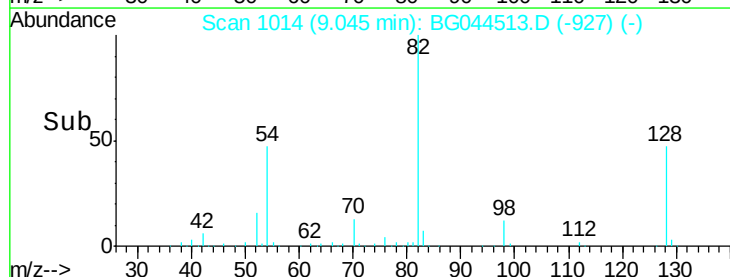
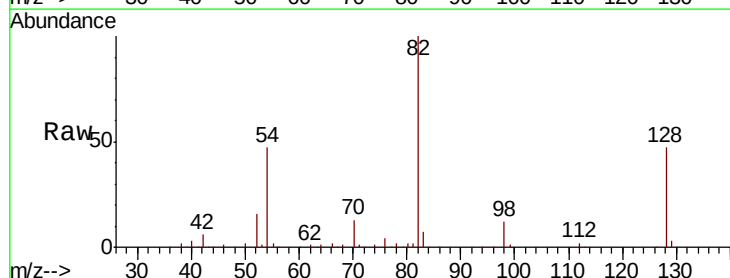
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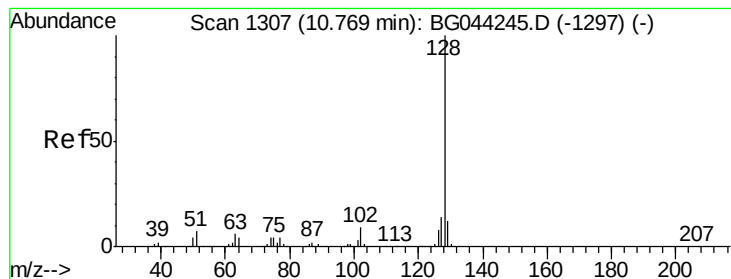
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#23
Nitrobenzene-d5
Concen: 68.705 ng
RT: 9.05 min Scan# 1014
Delta R.T. -0.02 min
Lab File: BG044513.D
Acq: 20 Feb 2020 7:51

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	330527		
128	46.7		36.5	54.7
54	46.7		38.6	58.0





#31

Naphthalene

Concen: 26.151 ng

RT: 10.74 min Scan# 1302

Delta R.T. -0.02 min

Lab File: BG044513.D

Acq: 20 Feb 2020 7:51

Instrument :

BNA_G

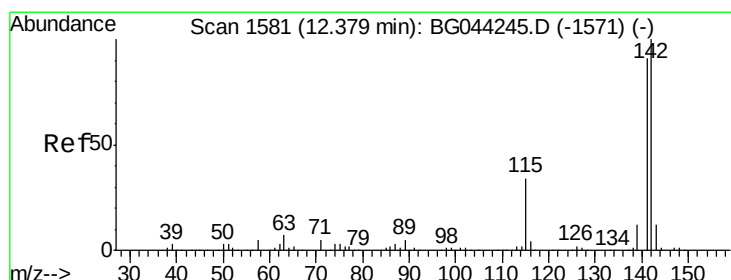
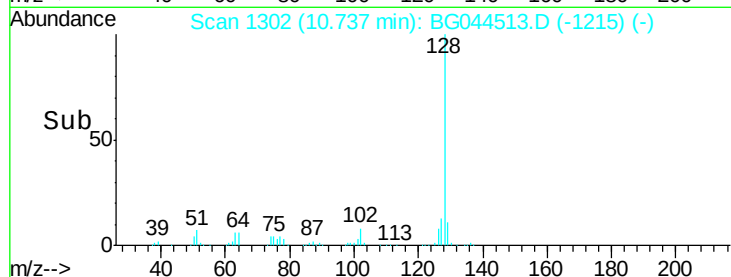
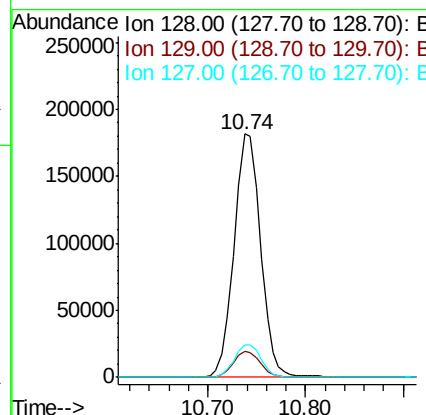
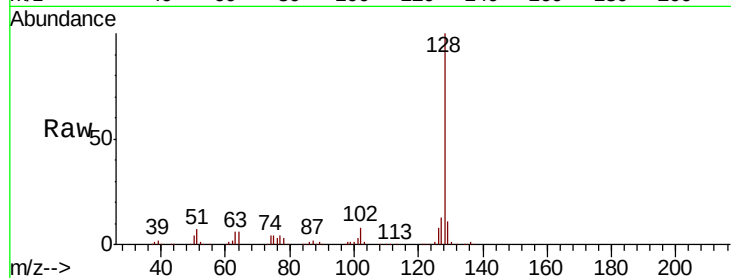
ClientSampled :

LOC-1

Tot Ion:	128	Resp:	344593
Ion Ratio	Lower	Upper	
128	100		
129	10.9	9.3	13.9
127	13.4	11.6	17.4

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#37

2-Methylnaphthalene

Concen: 8.747 ng

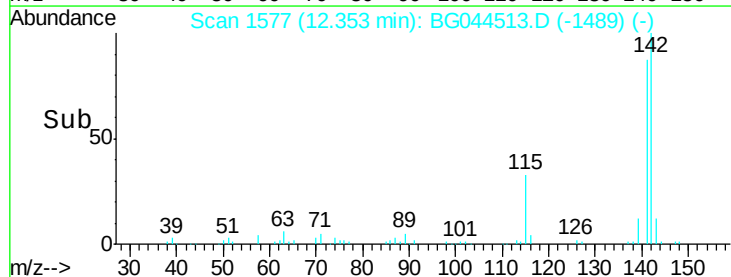
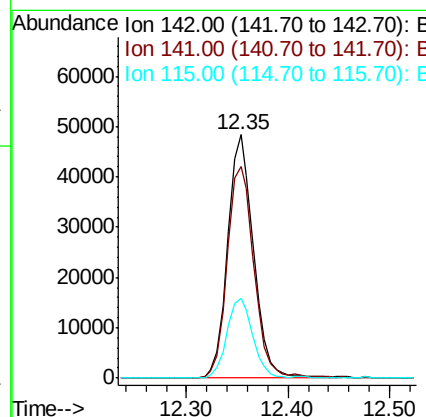
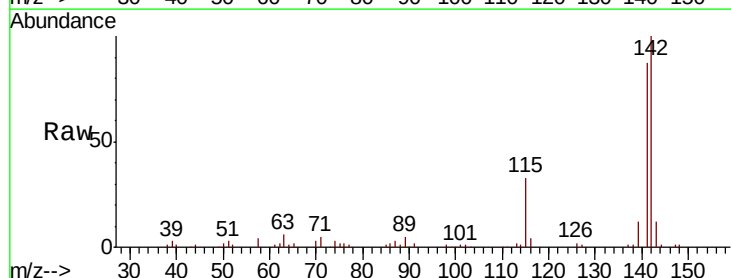
RT: 12.35 min Scan# 1577

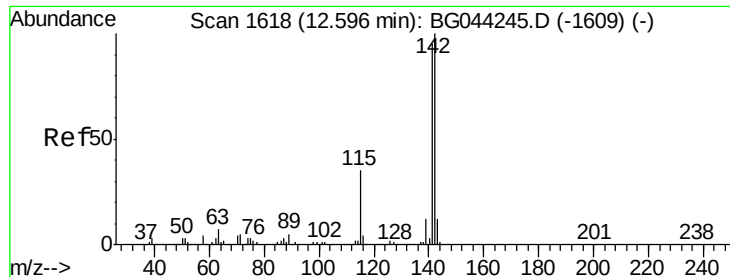
Delta R.T. -0.01 min

Lab File: BG044513.D

Acq: 20 Feb 2020 7:51

Tgt Ion:	142	Resp:	85574
Ion Ratio	Lower	Upper	
142	100		
141	87.1	73.2	109.8
115	32.9	27.1	40.7





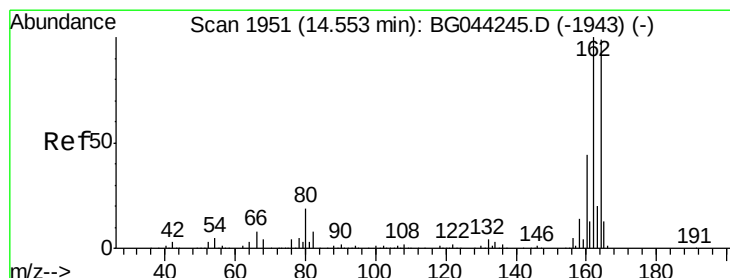
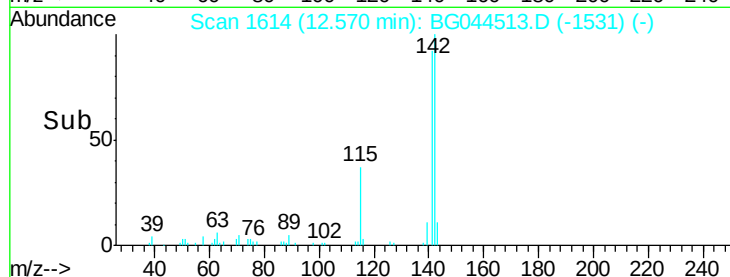
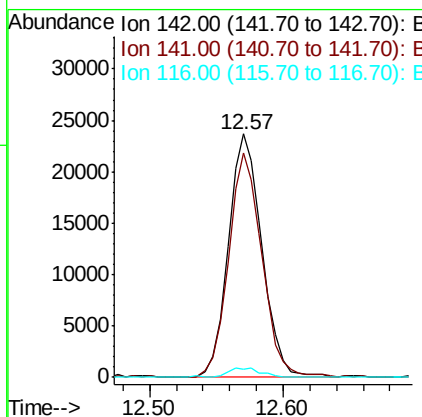
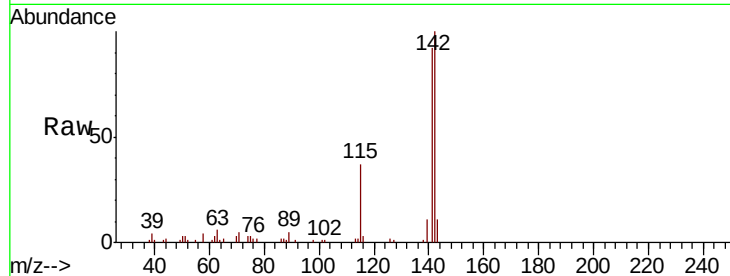
#38
1-Methylnaphthalene
Concen: 4.469 ng
RT: 12.57 min Scan# 1614
Delta R.T. -0.01 min
Lab File: BG044513.D
Acq: 20 Feb 2020 7:51

Instrument :
BNA_G
ClientSampleId :
LOC-1

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.1	75.8	113.6
116	3.2	3.1	4.7

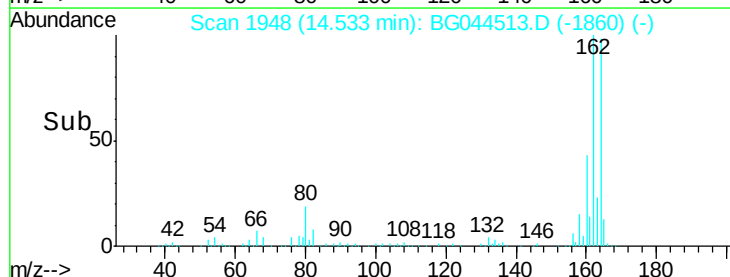
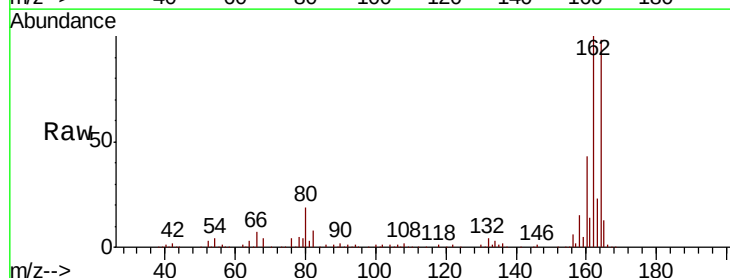
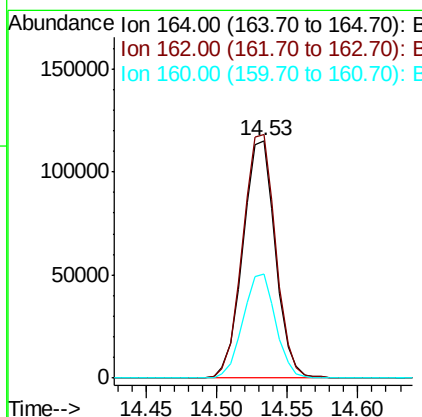
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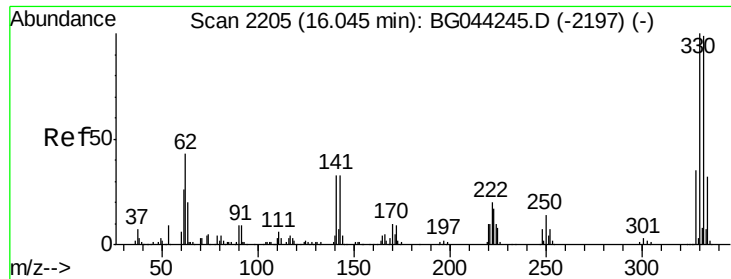
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.53 min Scan# 1948
Delta R.T. -0.01 min
Lab File: BG044513.D
Acq: 20 Feb 2020 7:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	80.7	121.1
160	43.9	35.3	52.9





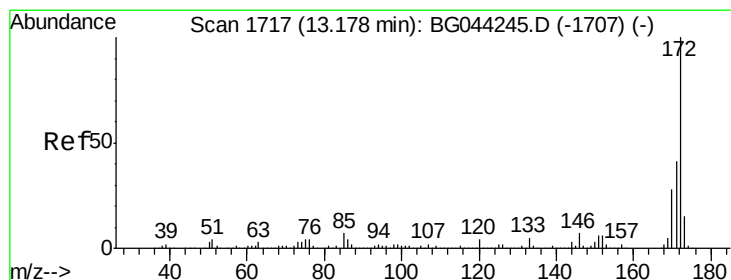
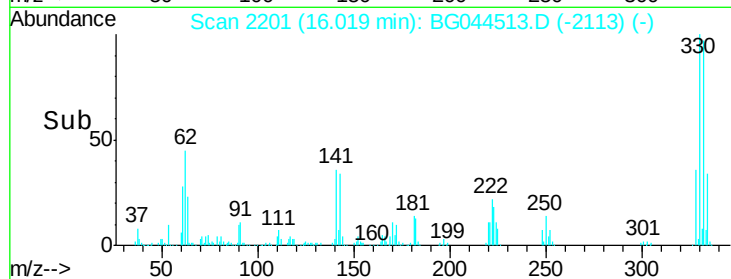
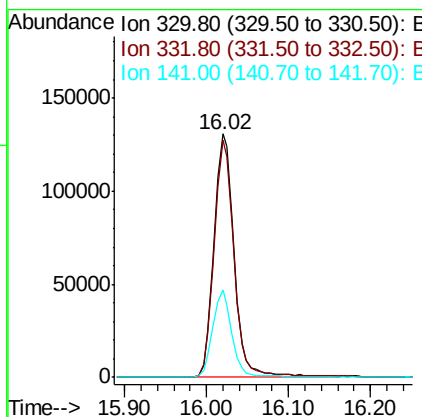
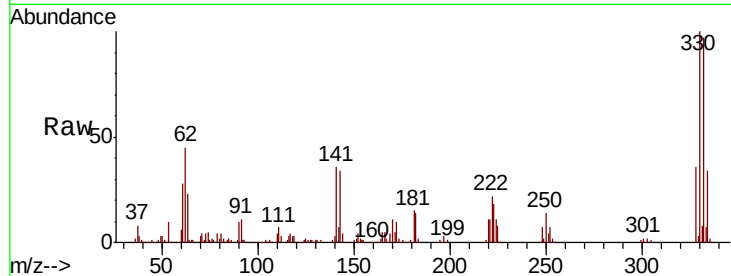
#42
 2,4,6-Tribromophenol
 Concen: 103.649 ng
 RT: 16.02 min Scan# 2201
 Delta R.T. -0.01 min
 Lab File: BG044513.D
 Acq: 20 Feb 2020 7:51

Instrument :
 BNA_G
 ClientSampleId :
 LOC-1

Tot Ion	Ratio	Resp	Lower	Upper
330	100	226412		
332	97.0	77.2	115.8	
141	34.5	28.3	42.5	

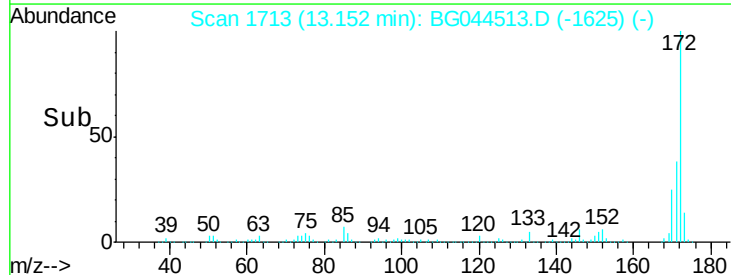
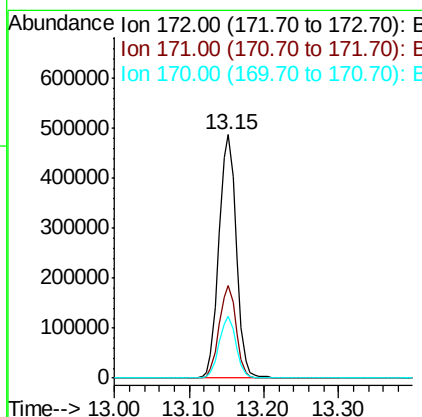
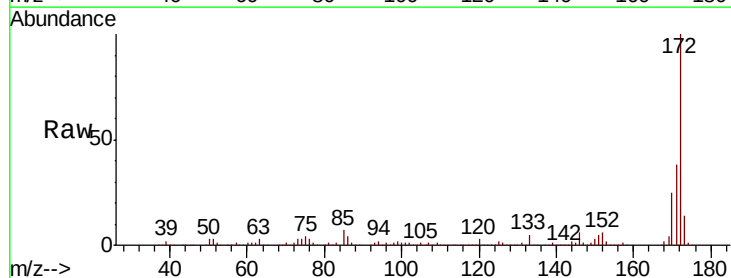
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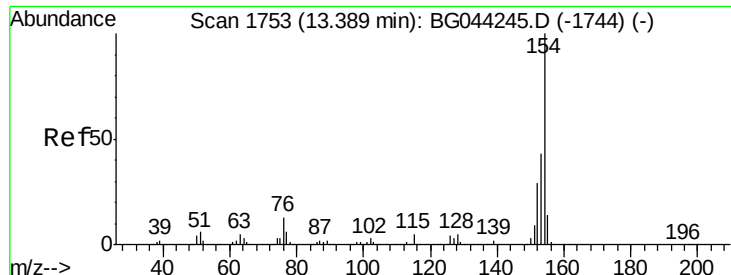
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#45
 2-Fluorobiphenyl
 Concen: 71.097 ng
 RT: 13.15 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: BG044513.D
 Acq: 20 Feb 2020 7:51

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	790028		
171	38.3	32.9	49.3	
170	25.2	22.0	33.0	





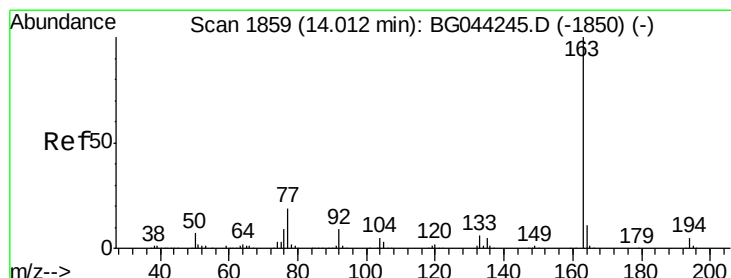
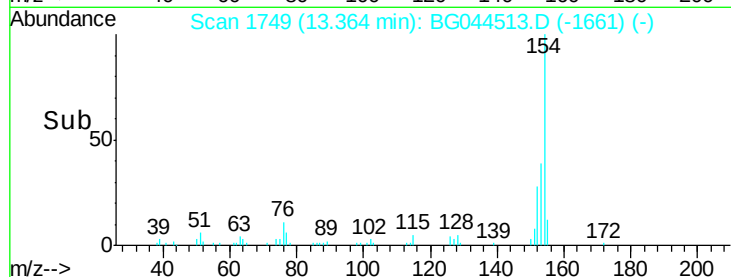
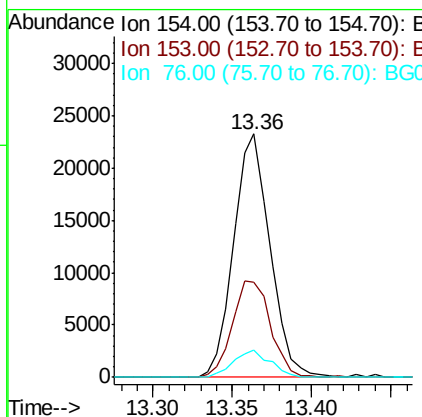
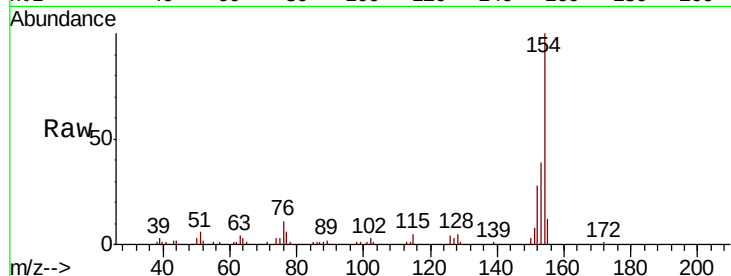
#46
 1,1'-Biphenyl
 Concen: 2.750 ng
 RT: 13.36 min Scan# 1749
 Delta R.T. -0.01 min
 Lab File: BG044513.D
 Acq: 20 Feb 2020 7:51

Instrument :
 BNA_G
 ClientSampleId :
 LOC-1

Tot Ion	Ratio	Lower	Upper
154	100		
153	38.8	22.7	62.7
76	11.1	0.0	32.9

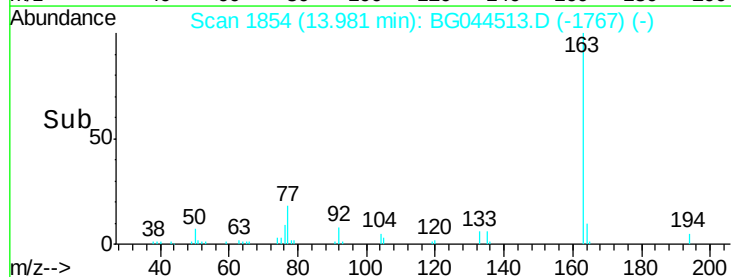
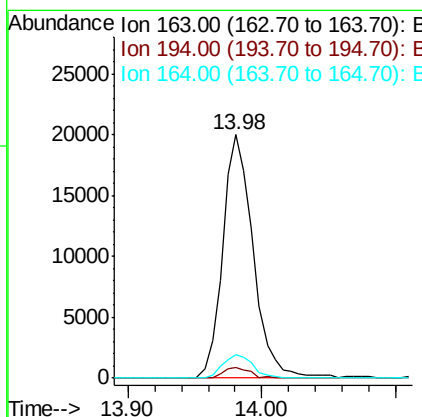
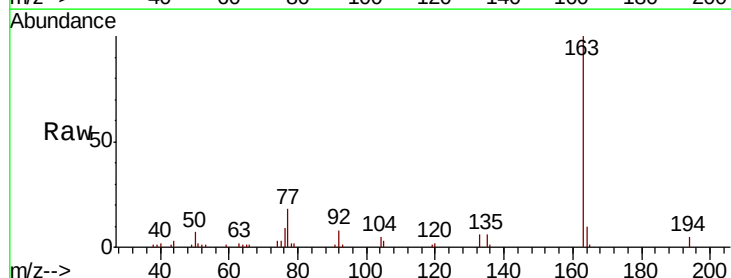
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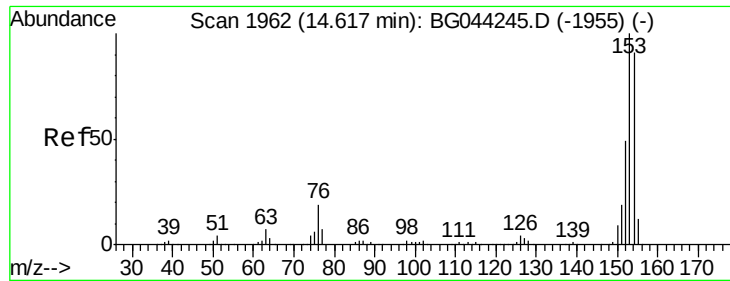
mohammad
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#50
 Dimethylphthalate
 Concen: 2.390 ng
 RT: 13.98 min Scan# 1854
 Delta R.T. -0.02 min
 Lab File: BG044513.D
 Acq: 20 Feb 2020 7:51

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.6	5.4
164	9.7	8.7	13.1





#52

Acenaphthene

Concen: 21.000 ng

RT: 14.59 min Scan# 1958

Delta R.T. -0.02 min

Lab File: BG044513.D

Acq: 20 Feb 2020 7:51

Instrument :

BNA_G

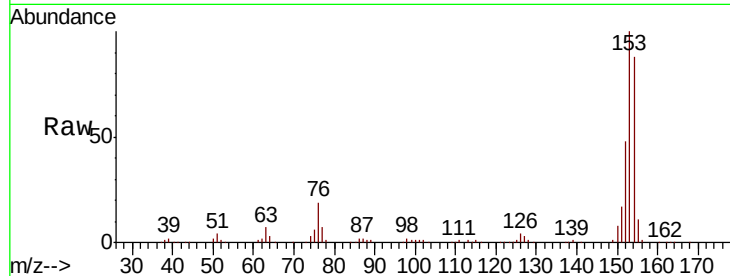
ClientSampleId :

LOC-1

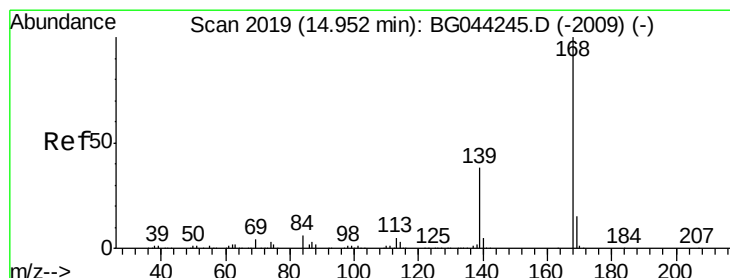
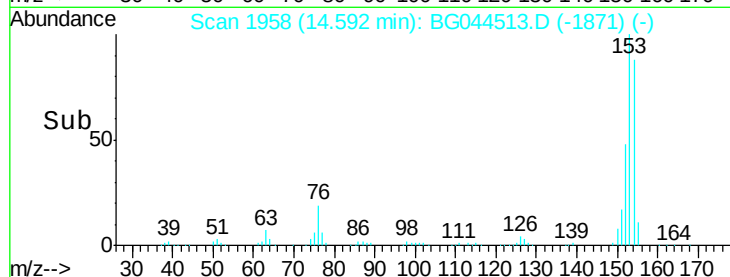
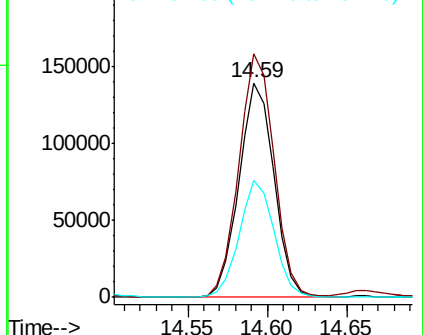
Tot Ion:	154	Resp:	213228
Ion Ratio	Lower	Upper	
154	100		
153	113.4	87.9	131.9
152	54.2	43.1	64.7

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



#55

Dibenzofuran

Concen: 14.929 ng

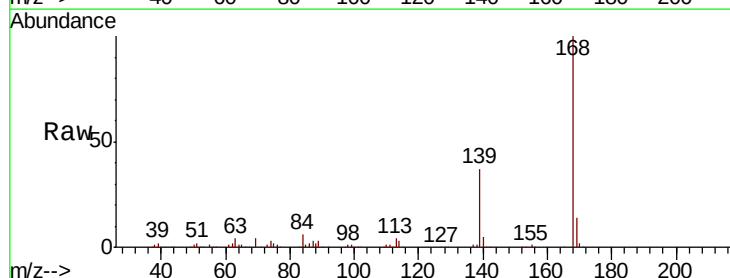
RT: 14.93 min Scan# 2015

Delta R.T. -0.02 min

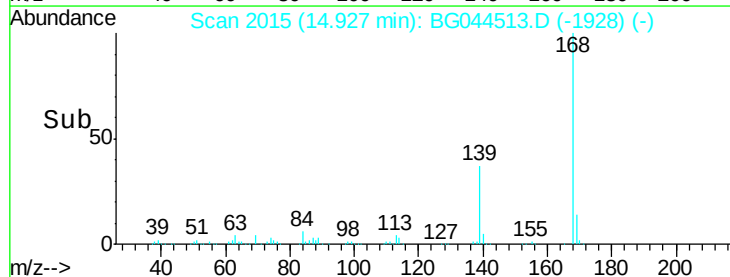
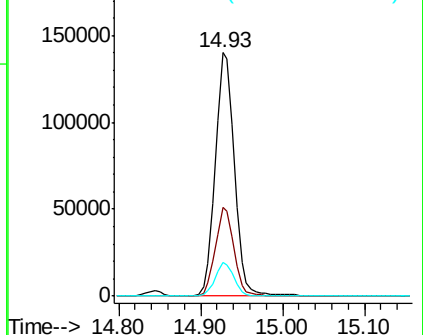
Lab File: BG044513.D

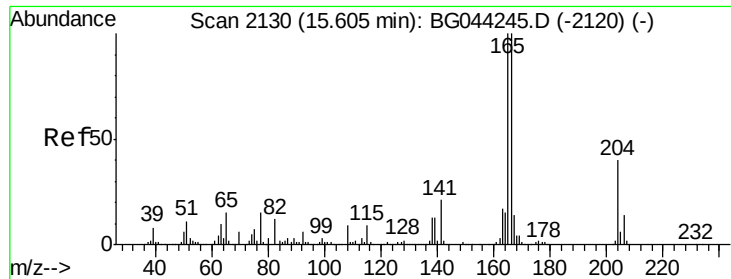
Acq: 20 Feb 2020 7:51

Tgt Ion:	168	Resp:	229511
Ion Ratio	Lower	Upper	
168	100		
139	36.6	30.5	45.7
169	13.9	11.7	17.5



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





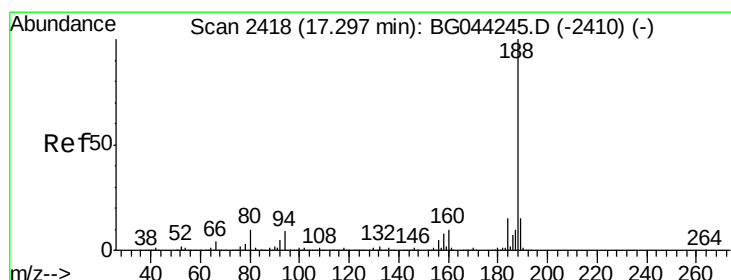
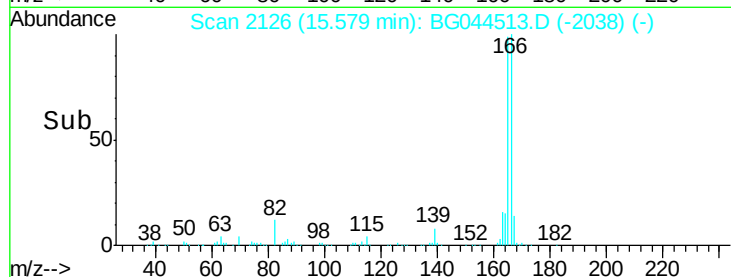
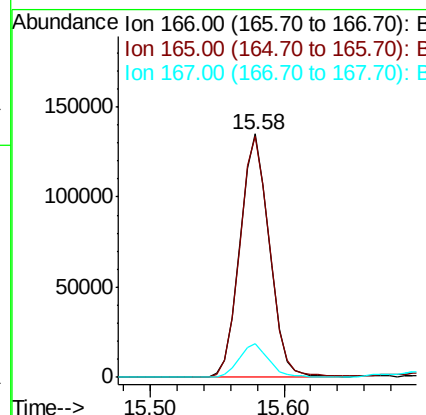
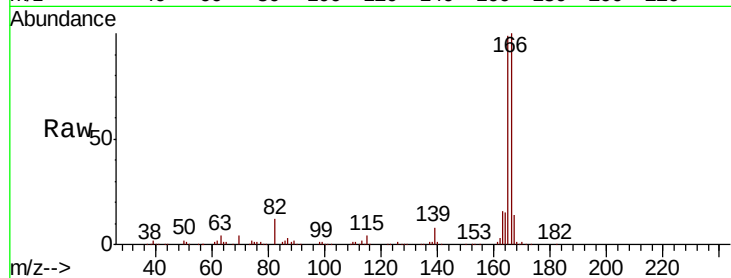
#58
 Fluorene
 Concen: 17.022 ng
 RT: 15.58 min Scan# 2126
 Delta R.T. -0.01 min
 Lab File: BG044513.D
 Acq: 20 Feb 2020 7:51

Instrument :
 BNA_G
 ClientSampleId :
 LOC-1

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.2	79.9	119.9
167	14.0	11.4	17.0

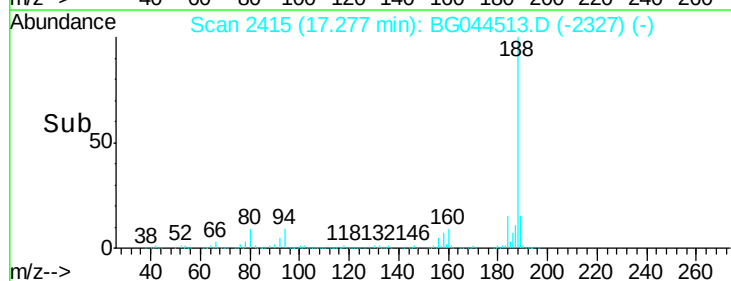
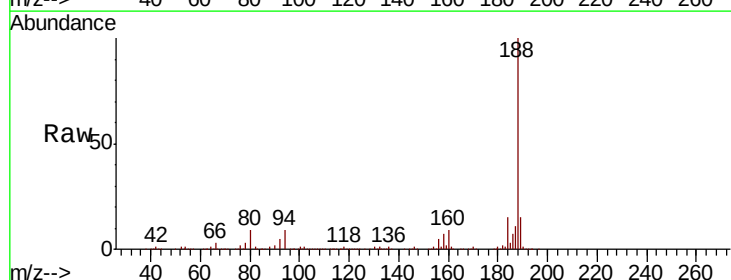
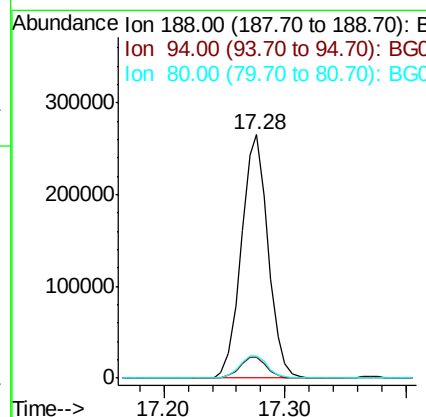
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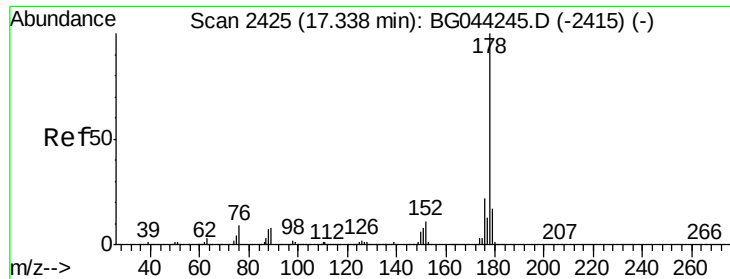
mohammad
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.28 min Scan# 2415
 Delta R.T. -0.01 min
 Lab File: BG044513.D
 Acq: 20 Feb 2020 7:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.4	11.2
80	9.0	7.7	11.5





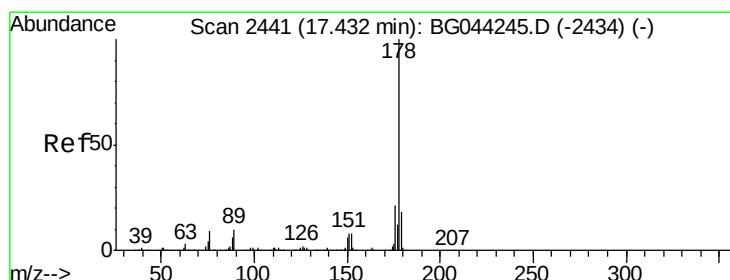
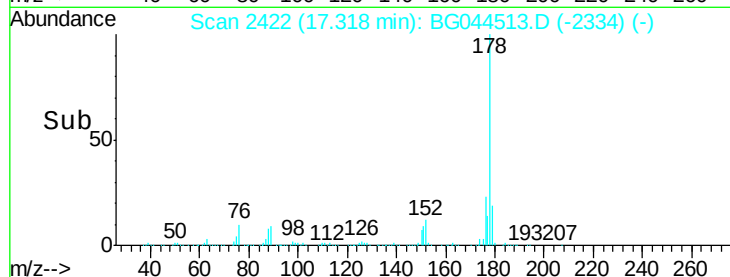
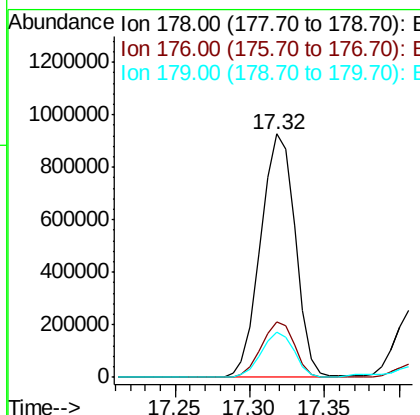
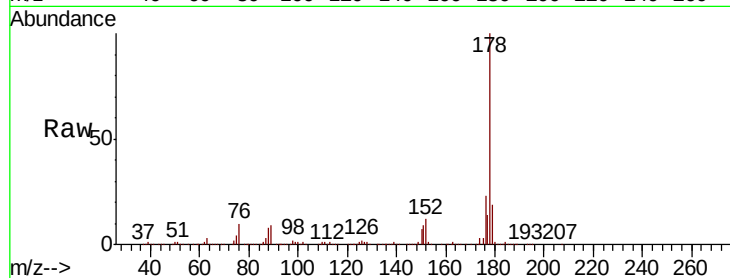
#71
Phenanthrene
Concen: 75.197 ng
RT: 17.32 min Scan# 2422
Delta R.T. -0.01 min
Lab File: BG044513.D
Acq: 20 Feb 2020 7:51

Instrument :
BNA_G
ClientSampleId :
LOC-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	23.0	17.7	26.5
179	18.8	13.7	20.5

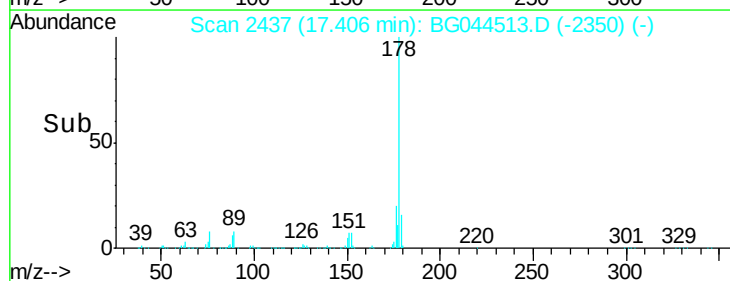
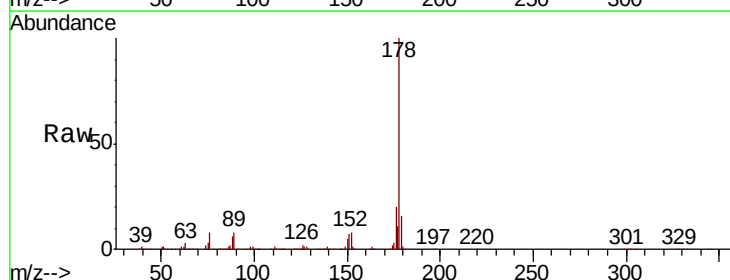
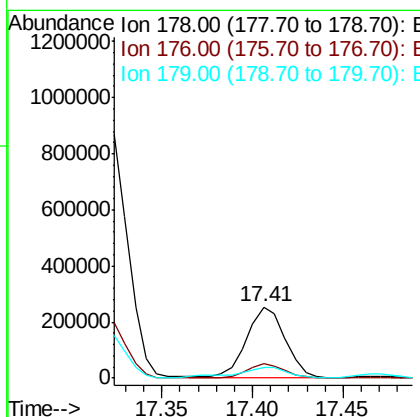
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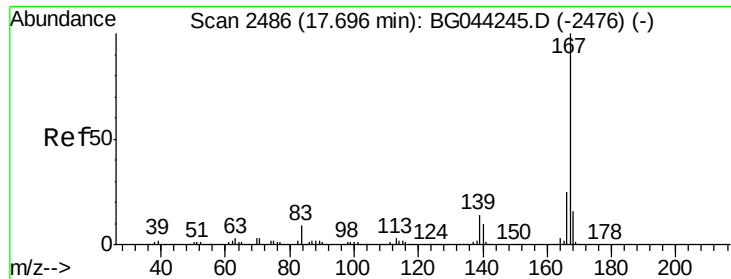
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#72
Anthracene
Concen: 18.975 ng
RT: 17.41 min Scan# 2437
Delta R.T. -0.02 min
Lab File: BG044513.D
Acq: 20 Feb 2020 7:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	17.0	25.4
179	15.8	14.4	21.6





#73

Carbazole

Concen: 10.406 ng

RT: 17.68 min Scan# 2483

Delta R.T. -0.01 min

Lab File: BG044513.D

Acq: 20 Feb 2020 7:51

Instrument :

BNA_G

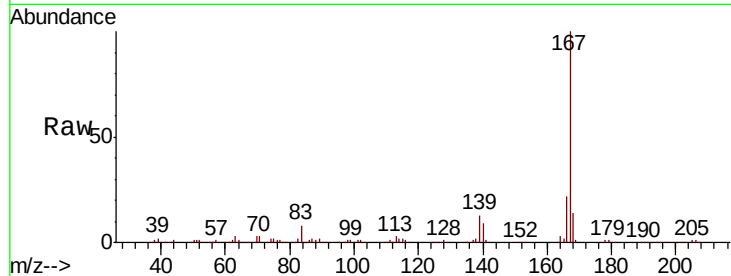
ClientSampleId :

LOC-1

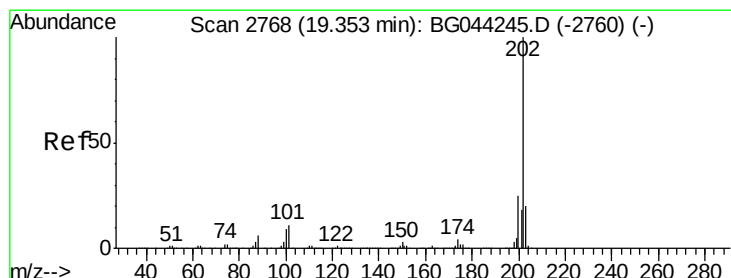
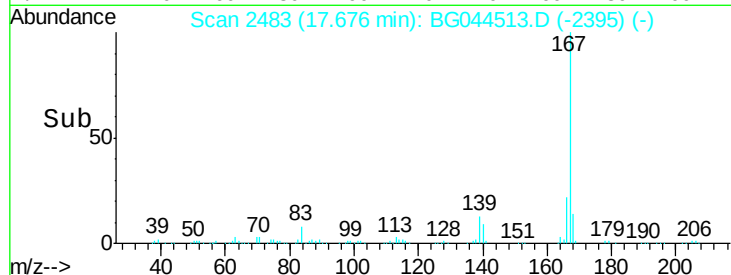
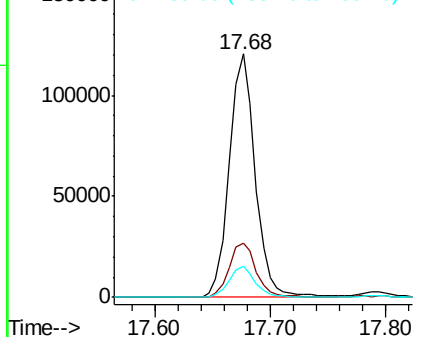
Tot Ion:	167	Resp:	187525
Ion Ratio		Lower	Upper
167	100		
166	22.3	19.8	29.6
139	12.6	11.1	16.7

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#75

Fluoranthene

Concen: 62.141 ng

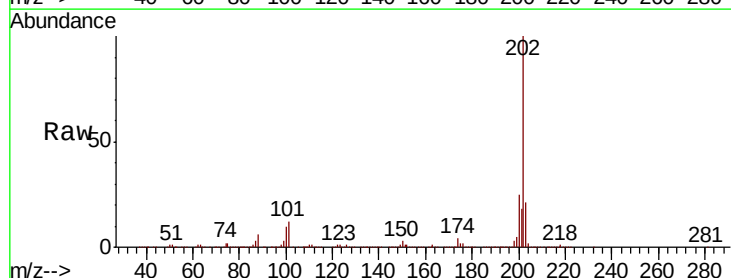
RT: 19.33 min Scan# 2765

Delta R.T. -0.01 min

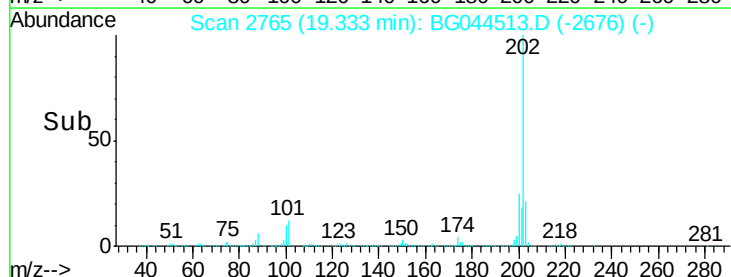
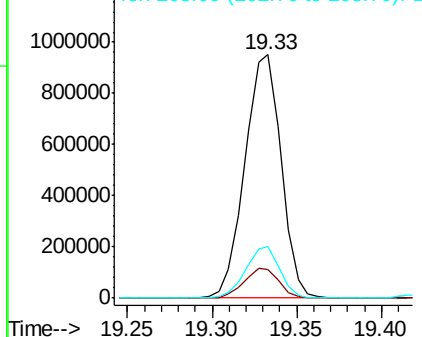
Lab File: BG044513.D

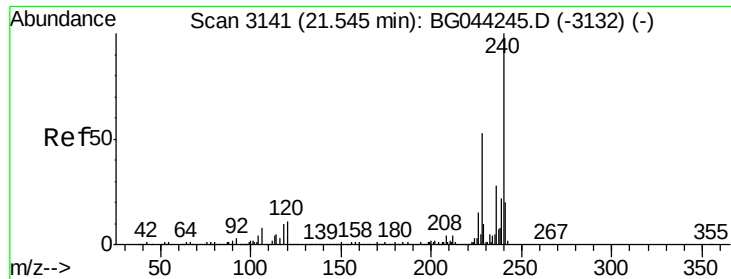
Acq: 20 Feb 2020 7:51

Tgt Ion:	202	Resp:	1421344
Ion Ratio		Lower	Upper
202	100		
101	11.8	0.0	31.3
203	21.1	0.0	39.9



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





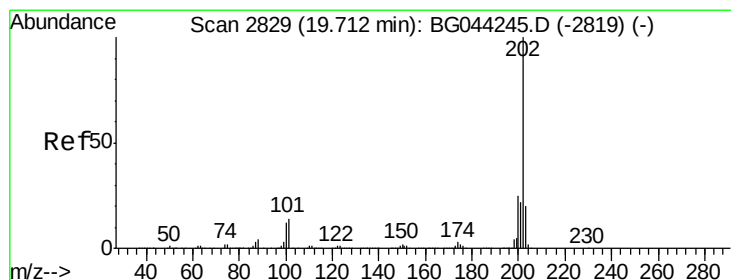
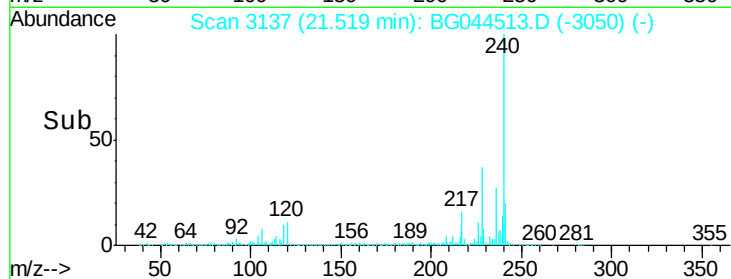
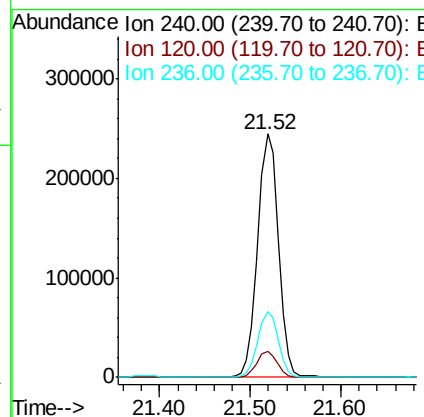
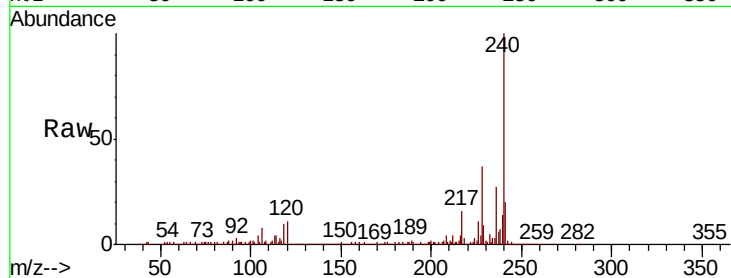
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.52 min Scan# 3137
Delta R.T. -0.02 min
Lab File: BG044513.D
Acq: 20 Feb 2020 7:51

Instrument :
BNA_G
ClientSampleId :
LOC-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.4	12.6
236	27.1	22.1	33.1

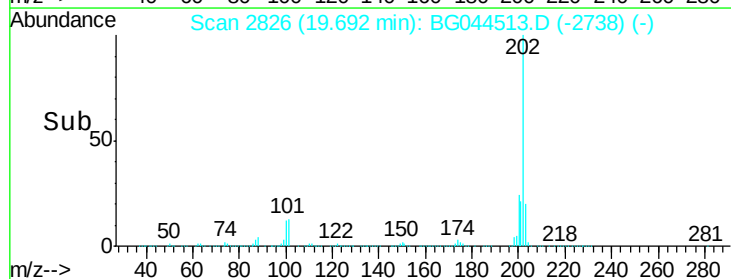
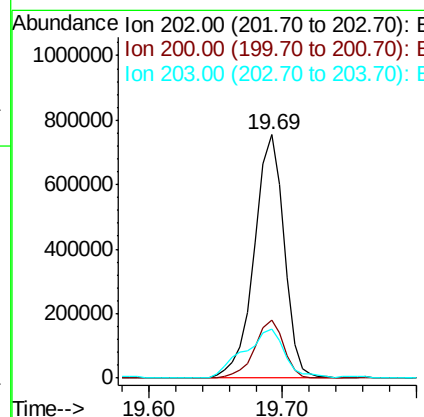
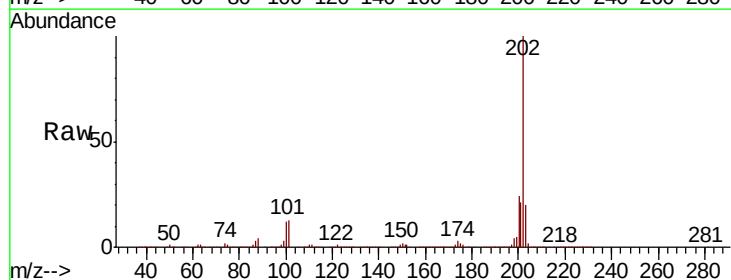
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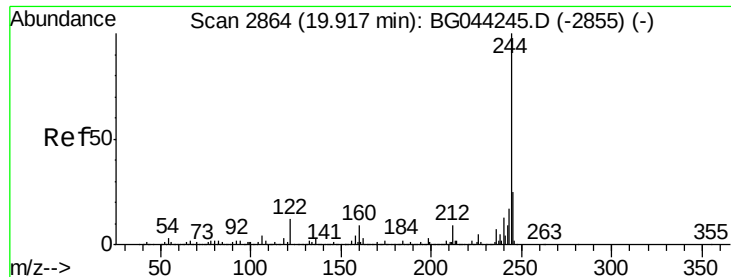
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#78
Pyrene
Concen: 46.373 ng
RT: 19.69 min Scan# 2826
Delta R.T. -0.01 min
Lab File: BG044513.D
Acq: 20 Feb 2020 7:51

Tgt Ion	Ratio	Lower	Upper
202	100		
200	24.0	20.0	30.0
203	20.2	16.2	24.2





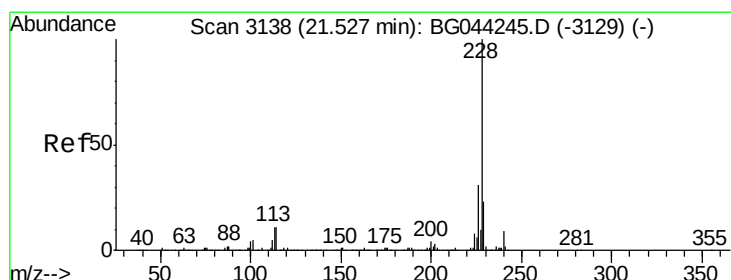
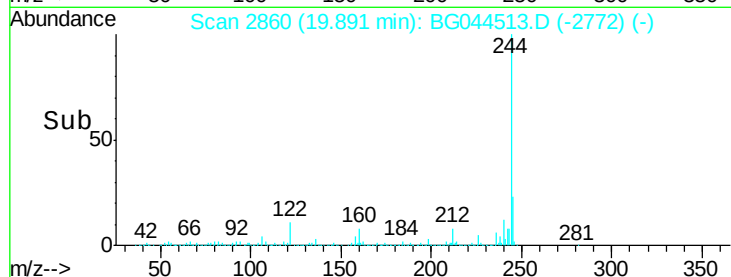
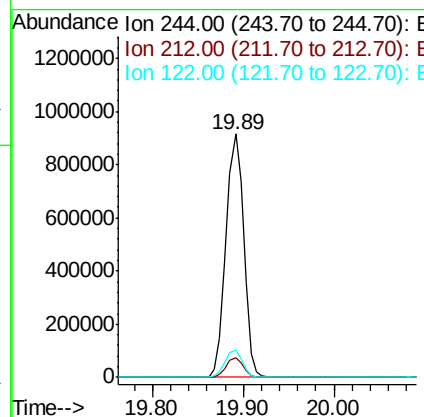
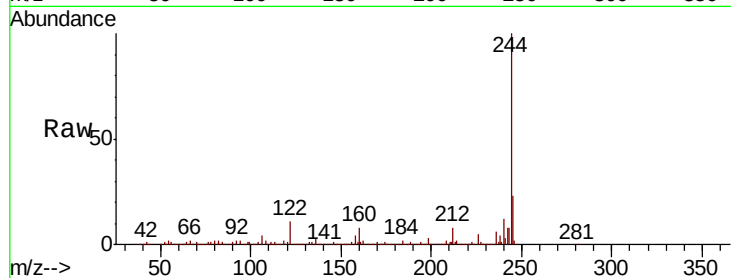
#79
 Terphenyl-d14
 Concen: 65.717 ng
 RT: 19.89 min Scan# 2860
 Delta R.T. -0.01 min
 Lab File: BG044513.D
 Acq: 20 Feb 2020 7:51

Instrument :
 BNA_G
 ClientSampleId :
 LOC-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.3	7.4	11.2
122	11.1	9.8	14.6

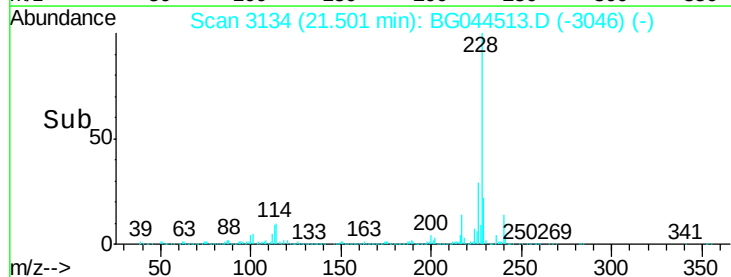
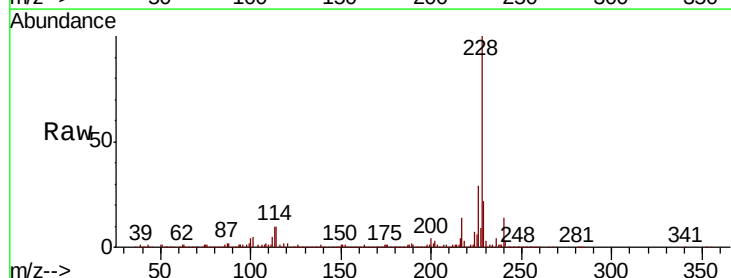
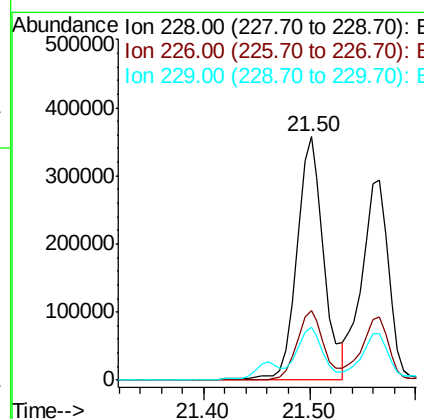
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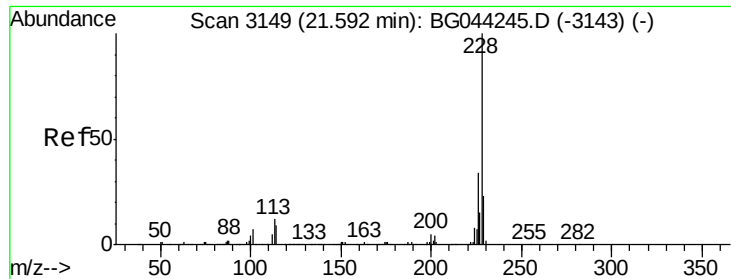
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#81
 Benzo(a)anthracene
 Concen: 26.308 ng
 RT: 21.50 min Scan# 3134
 Delta R.T. -0.01 min
 Lab File: BG044513.D
 Acq: 20 Feb 2020 7:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.7	37.1
229	21.6	18.2	27.4





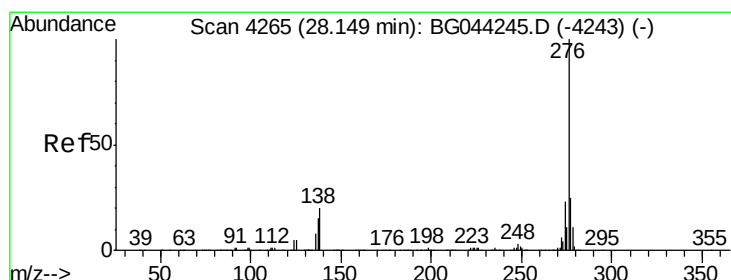
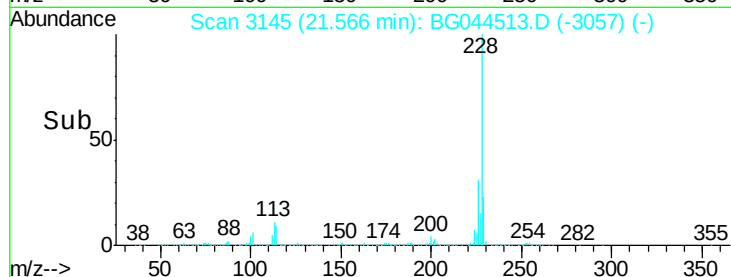
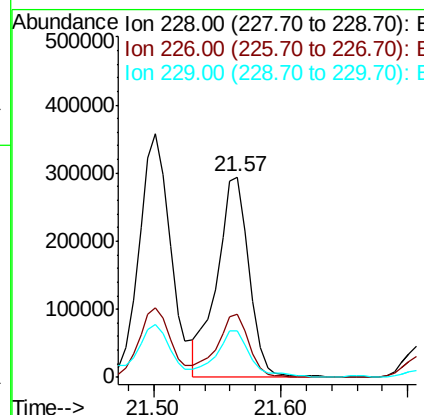
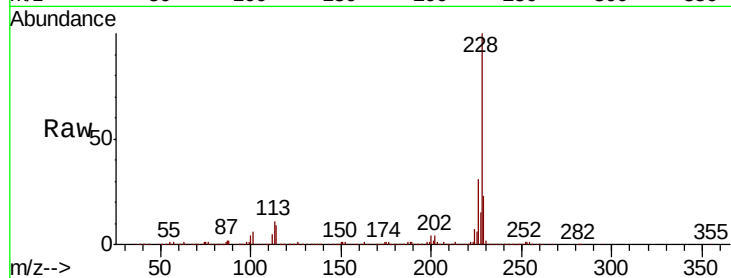
#83
Chrysene
Concen: 22.345 ng
RT: 21.57 min Scan# 3145
Delta R.T. -0.01 min
Lab File: BG044513.D
Acq: 20 Feb 2020 7:51

Instrument :
BNA_G
ClientSampleId :
LOC-1

Tot Ion	Ratio	Resp	Lower	Upper
228	100	517112		
226	31.3		27.1	40.7
229	23.0		17.9	26.9

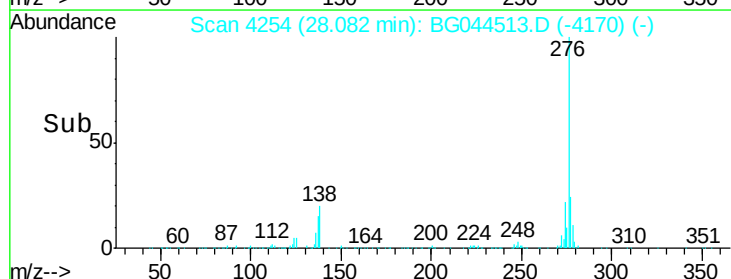
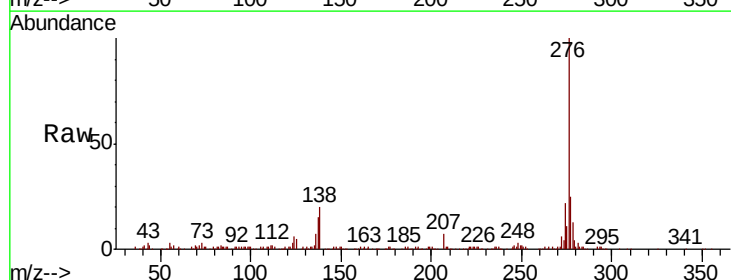
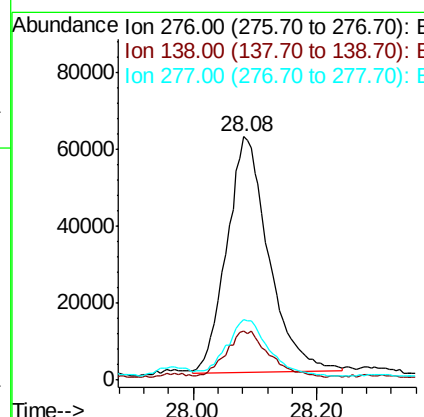
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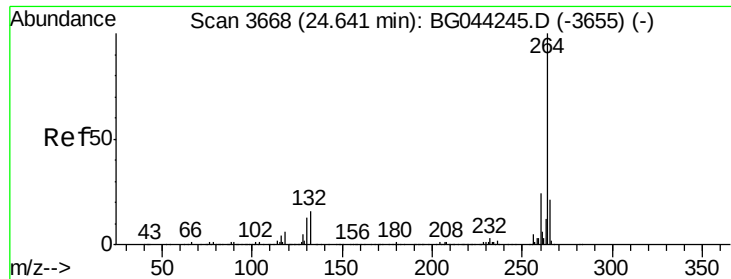
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 9.633 ng
RT: 28.08 min Scan# 4254
Delta R.T. -0.04 min
Lab File: BG044513.D
Acq: 20 Feb 2020 7:51

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	290849		
138	19.2		19.4	29.0#
277	24.2		21.0	31.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.60 min Scan# 3662

Delta R.T. -0.02 min

Lab File: BG044513.D

Acq: 20 Feb 2020 7:51

Instrument :

BNA_G

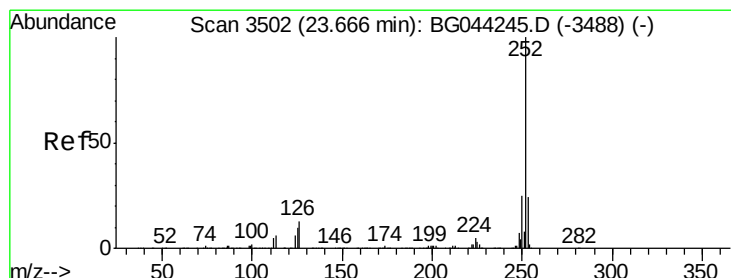
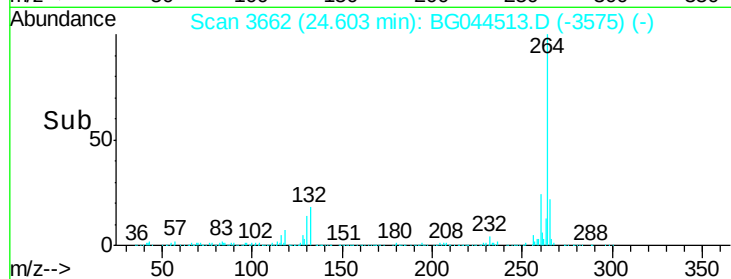
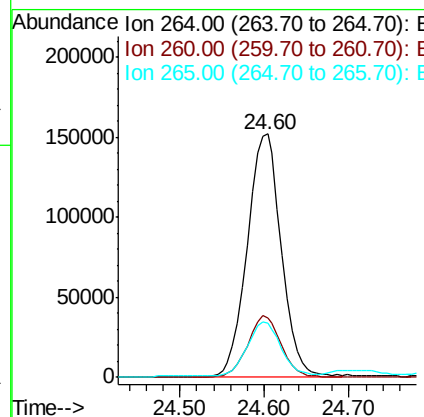
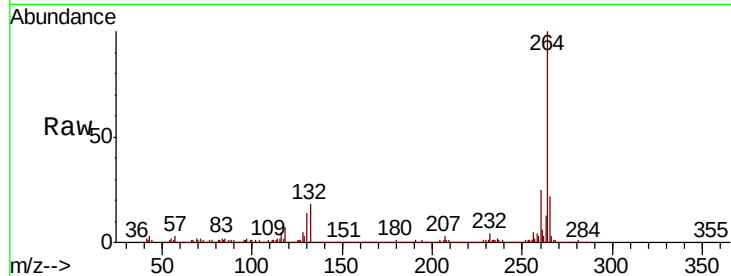
ClientSampleId :

LOC-1

Tot Ion:	264	Resp:	424431
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.4	29.2
265	22.0	16.7	25.1

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#88

Benzo(b)fluoranthene

Concen: 27.958 ng

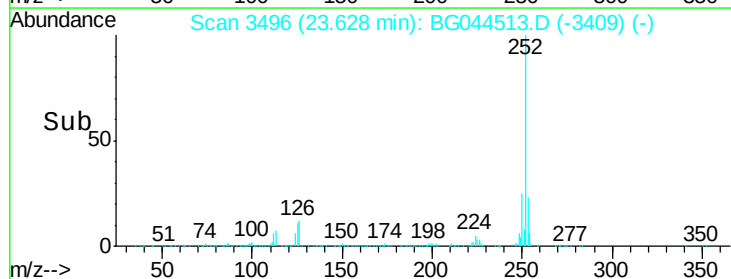
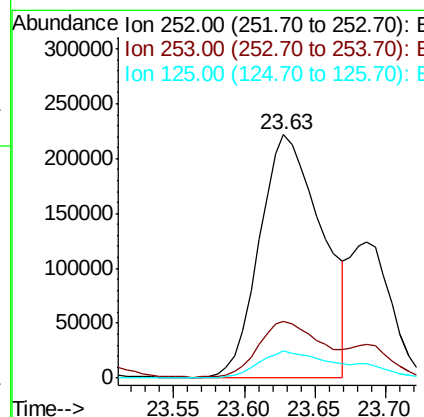
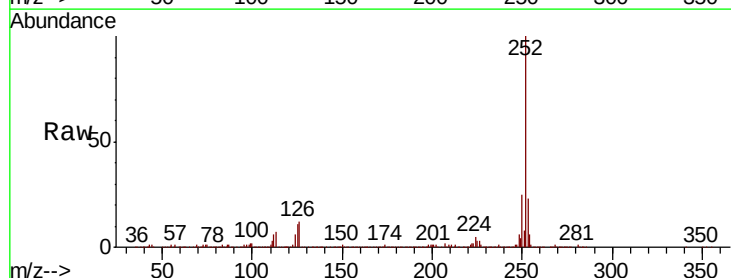
RT: 23.63 min Scan# 3496

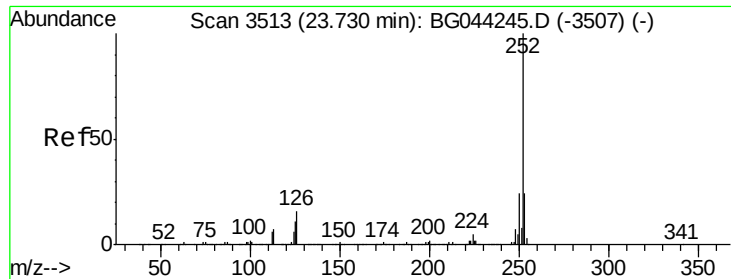
Delta R.T. -0.02 min

Lab File: BG044513.D

Acq: 20 Feb 2020 7:51

Tgt Ion:	252	Resp:	683779
Ion Ratio	Lower	Upper	
252	100		
253	23.2	19.2	28.8
125	11.3	8.4	12.6





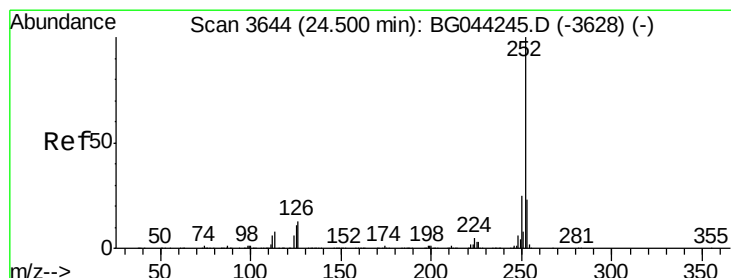
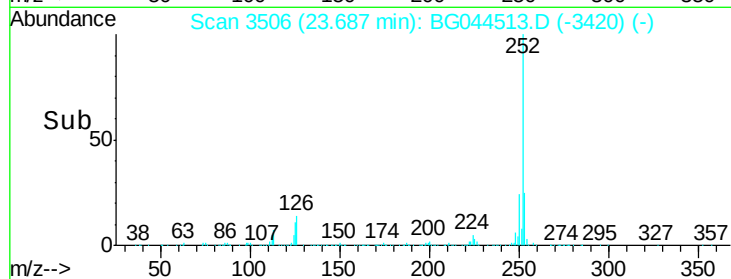
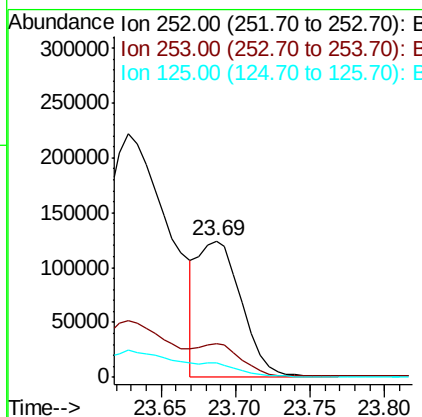
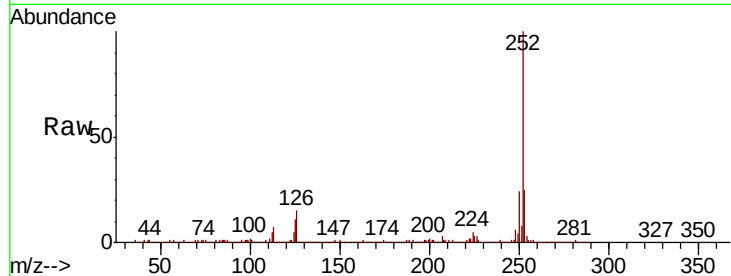
#89
Benzo(k)fluoranthene
Concen: 10.736 ng m
RT: 23.69 min Scan# 3506
Delta R.T. -0.02 min
Lab File: BG044513.D
Acq: 20 Feb 2020 7:51

Instrument :
BNA_G
ClientSampled :
LOC-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	19.1	28.7
125	10.8	8.6	12.8

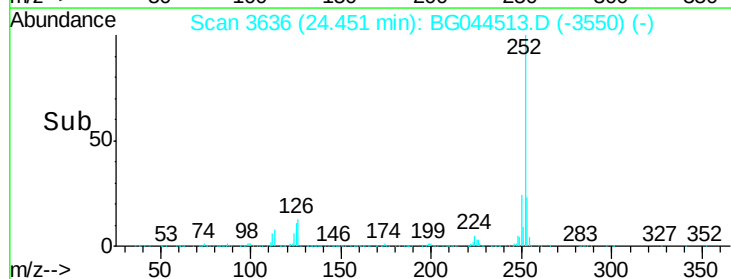
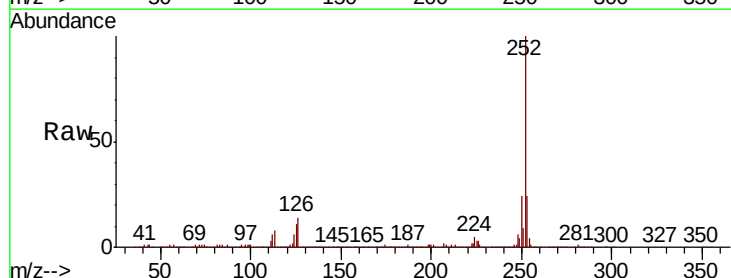
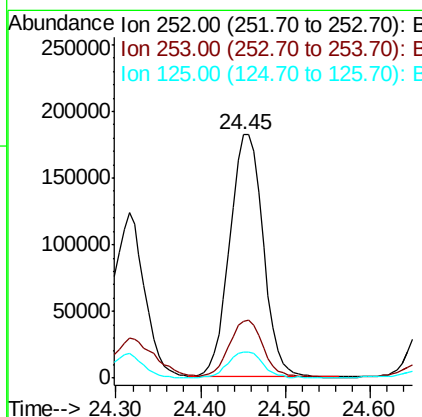
Manual Integrations
APPROVED

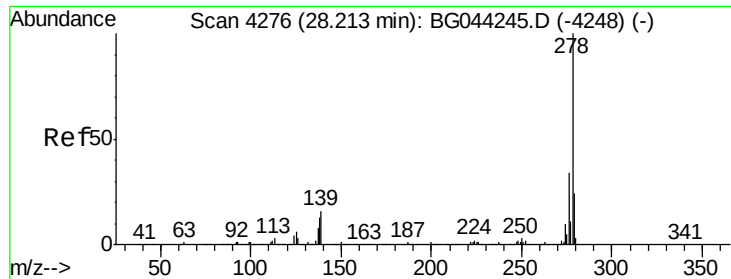
mohammad
2/21/2020 2:17:29 PM



#90
Benzo(a)pyrene
Concen: 21.542 ng
RT: 24.45 min Scan# 3636
Delta R.T. -0.02 min
Lab File: BG044513.D
Acq: 20 Feb 2020 7:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	10.8	8.6	13.0





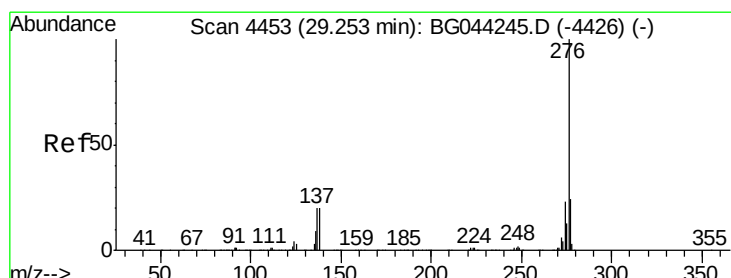
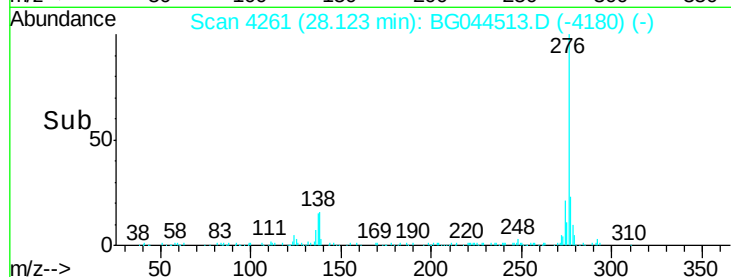
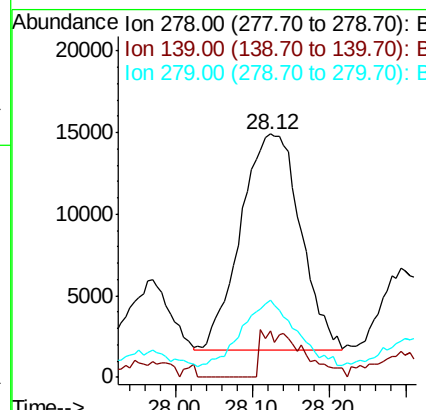
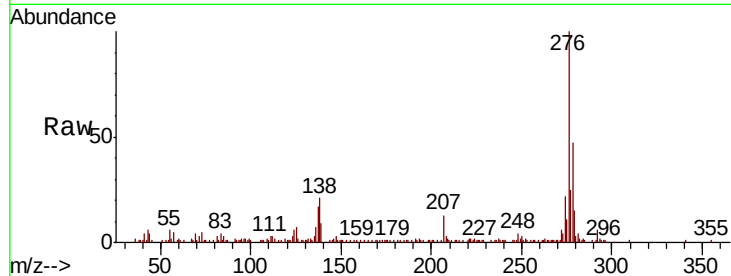
#91
Dibenzo(a,h)anthracene
Concen: 3.112 ng m
RT: 28.12 min Scan# 4261
Delta R.T. -0.05 min
Lab File: BG044513.D
Acq: 20 Feb 2020 7:51

Instrument :
BNA_G
ClientSampleId :
LOC-1

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.0	12.7	19.1
279	31.6	19.3	28.9#

Manual Integrations
APPROVED

mohammad
2/21/2020 2:17:29 PM



#92
Benzo(g,h,i)perylene
Concen: 12.032 ng
RT: 29.17 min Scan# 4439
Delta R.T. -0.04 min
Lab File: BG044513.D
Acq: 20 Feb 2020 7:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.8	28.2
138	21.5	16.2	24.2

