

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
 Data File : BG044769.D
 Acq On : 13 Mar 2020 16:17
 Operator : CG/JU
 Sample : L1759-06 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-031020

Manual Integrations
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 3/16/2020 1:51:43 PM

Quant Time: Mar 13 17:11:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 10 16:27:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	137214	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	545836	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	356553	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	731181	20.00	ng	0.00
76) Chrysene-d12	21.71	240	600584	20.00	ng	0.00
87) Perylene-d12	24.93	264	698047	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	378175	42.90	ng	0.00
7) Phenol-d6	7.20	99	543902	42.47	ng	-0.01
23) Nitrobenzene-d5	9.20	82	365435	29.38	ng	-0.01
42) 2,4,6-Tribromophenol	16.17	330	199272	42.68	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	751995	30.20	ng	0.00
79) Terphenyl-d14	20.04	244	1018020	31.71	ng	0.00

Target Compounds				Qvalue		
38) 1-Methylnaphthalene	12.74	142	113369	5.331	ng	99
49) Acenaphthylene	14.40	152	132302	3.880	ng	# 94
50) Dimethylphthalate	14.13	163	82323	2.899	ng	98
52) Acenaphthene	14.75	154	104540	4.681	ng	94
55) Dibenzofuran	15.08	168	104657	3.232	ng	# 93
58) Fluorene	15.73	166	241625	9.070	ng	98
71) Phenanthrene	17.48	178	1564543	40.041	ng	99
72) Anthracene	17.56	178	397175	10.309	ng	96
73) Carbazole	17.82	167	86011	2.324	ng	98
75) Fluoranthene	19.48	202	1636657	35.179	ng	100
78) Pyrene	19.84	202	2009529	45.606	ng	95
81) Benzo(a)anthracene	21.68	228	936743	21.661	ng	96
83) Chrysene	21.75	228	958459	23.202	ng	99
86) Indeno(1,2,3-cd)pyrene	28.58	276	560687	10.353	ng	# 94
88) Benzo(b)fluoranthene	23.91	252	988542	21.451	ng	99
89) Benzo(k)fluoranthene	23.97	252	293920m	6.740	ng	
90) Benzo(a)pyrene	24.77	252	868878	20.150	ng	96
91) Dibenzo(a,h)anthracene	28.63	278	152201	3.578	ng	# 81
92) Benzo(a,h,i)perylene	29.72	276	580316	13.502	ng	99

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

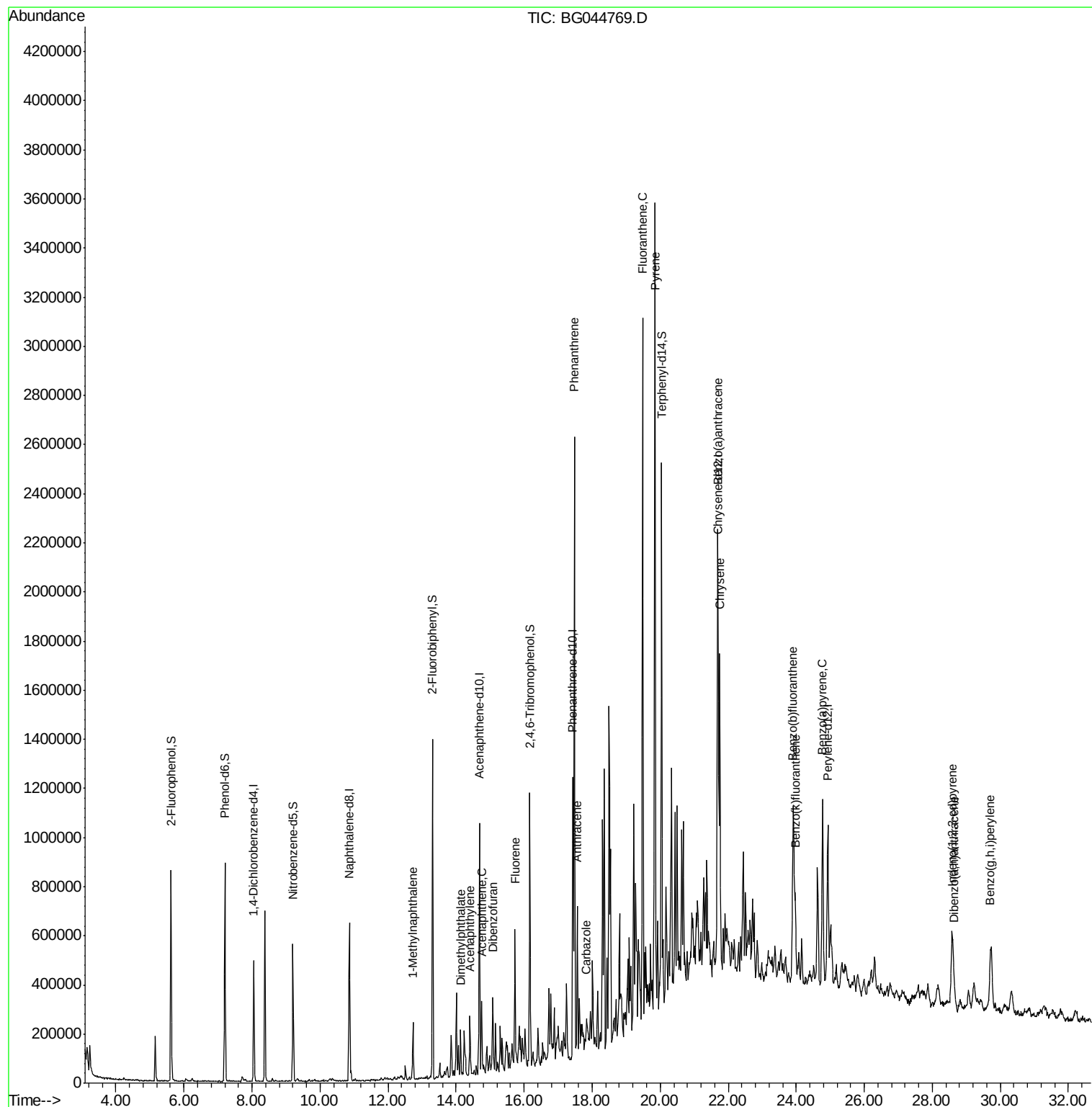
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
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ALS Vial : 7 Sample Multiplier: 1

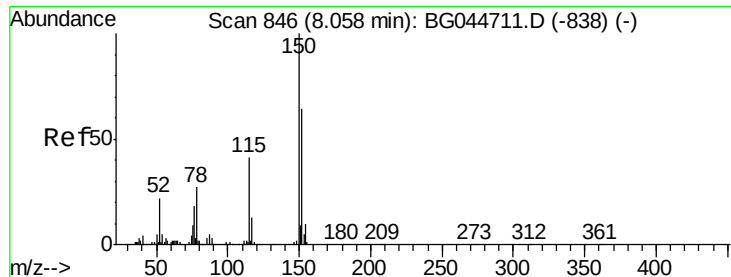
Instrument :
BNA_G
ClientSampleId :
OR-03-031020

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Quant Time: Mar 13 17:11:59 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 10 16:27:39 2020
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#1

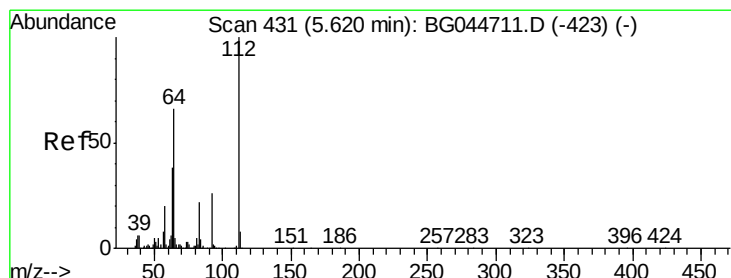
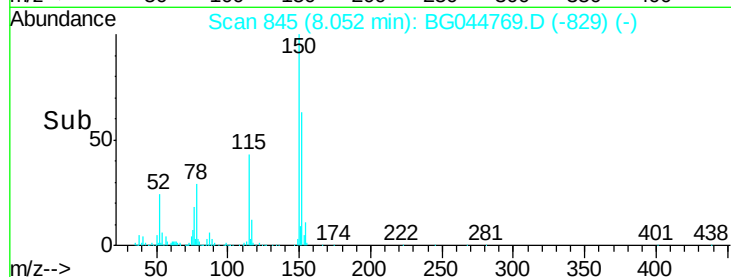
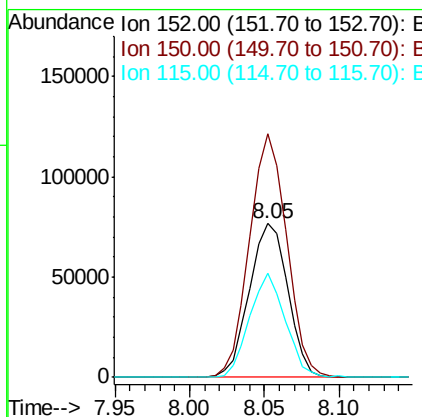
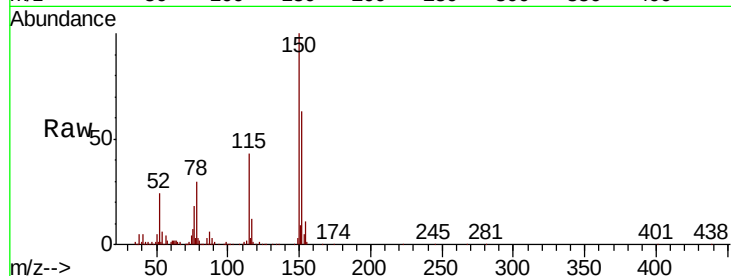
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG044769.D
Acq: 13 Mar 2020 16:17

Instrument :
BNA_G
ClientSampleId :
OR-03-031020

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	125.3	187.9
115	67.4	51.7	77.5

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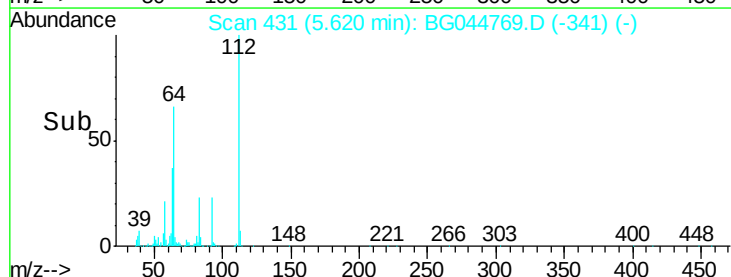
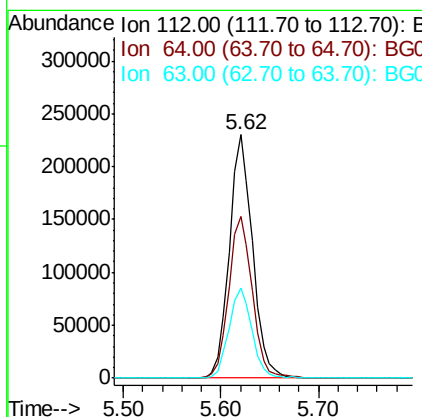
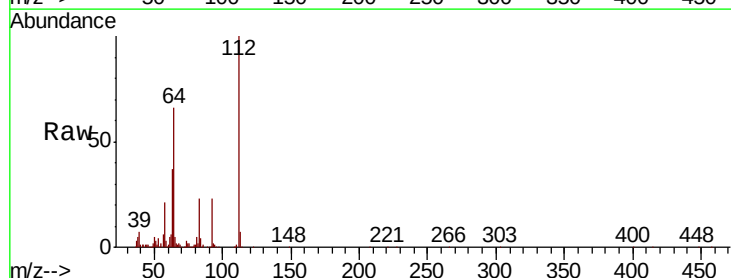
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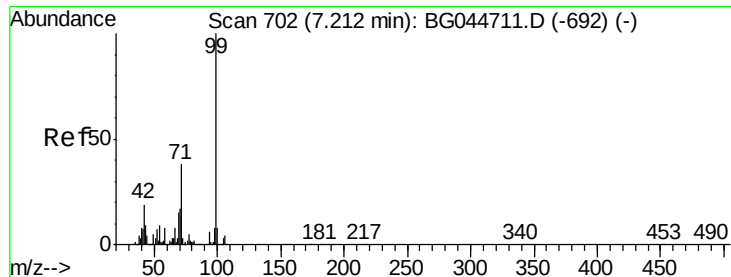


#5

2-Fluorophenol
Concen: 42.904 ng
RT: 5.62 min Scan# 431
Delta R.T. -0.00 min
Lab File: BG044769.D
Acq: 13 Mar 2020 16:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.3	52.6	78.8
63	36.8	30.2	45.4





#7

Phenol-d6

Concen: 42.470 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044769.D

Acq: 13 Mar 2020 16:17

Instrument :

BNA_G

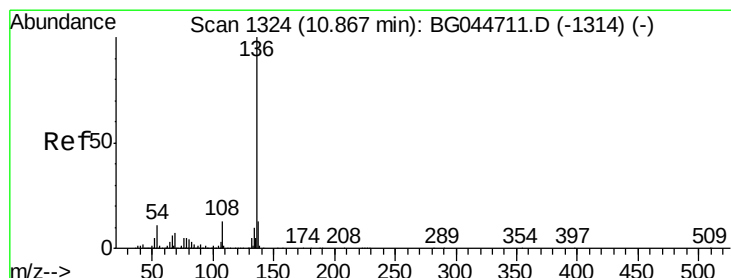
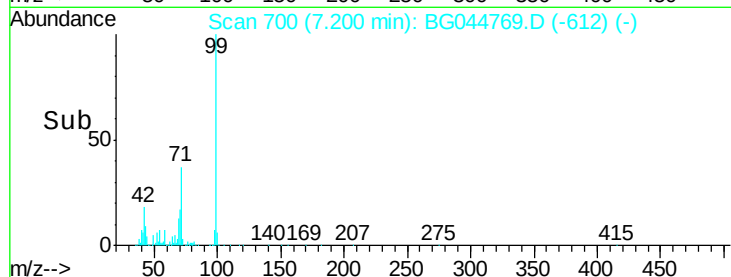
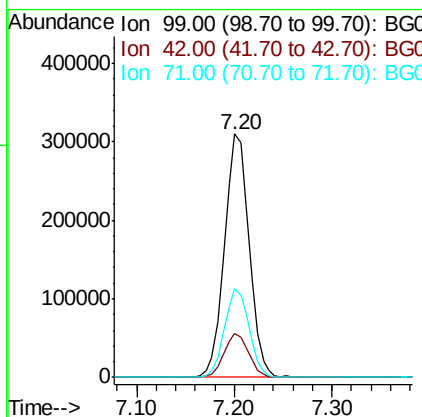
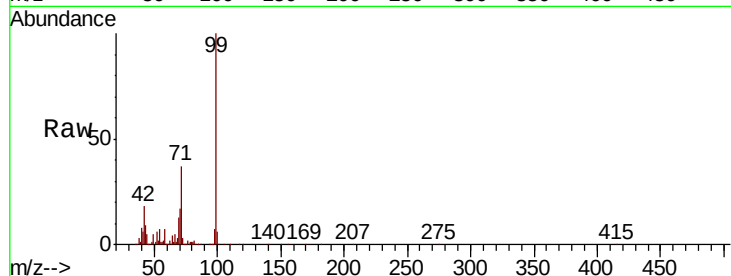
ClientSampleId :

OR-03-031020

Tot Ion:	99	Resp:	543902
Ion	Ratio	Lower	Upper
99	100		
42	18.0	15.4	23.0
71	36.7	30.2	45.4

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#21

Naphthalene-d8

Concen: 20.000 ng

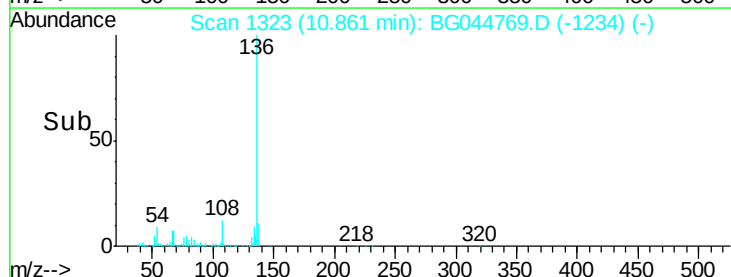
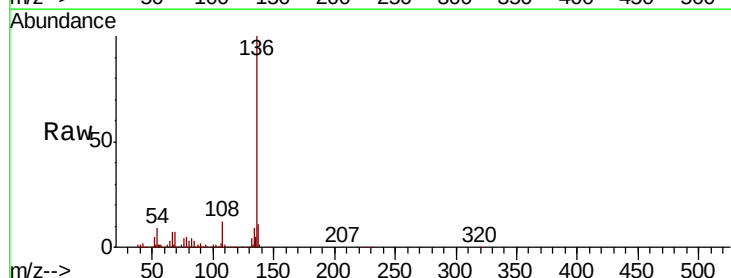
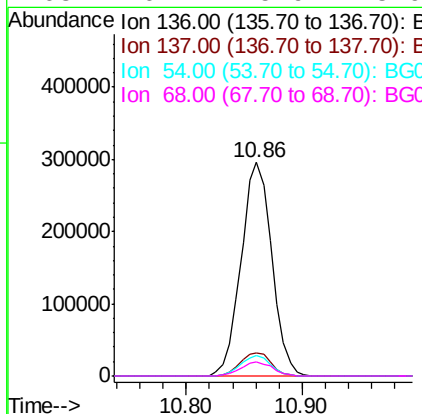
RT: 10.86 min Scan# 1323

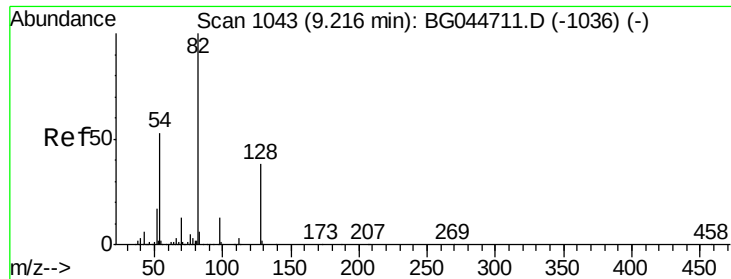
Delta R.T. -0.01 min

Lab File: BG044769.D

Acq: 13 Mar 2020 16:17

Tgt Ion:	136	Resp:	545836
Ion	Ratio	Lower	Upper
136	100		
137	10.7	10.7	16.1
54	9.5	9.0	13.4
68	6.7	5.9	8.9





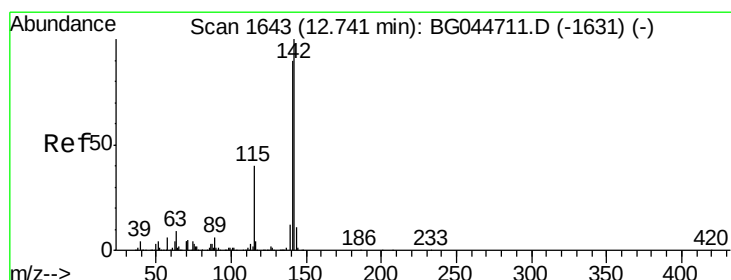
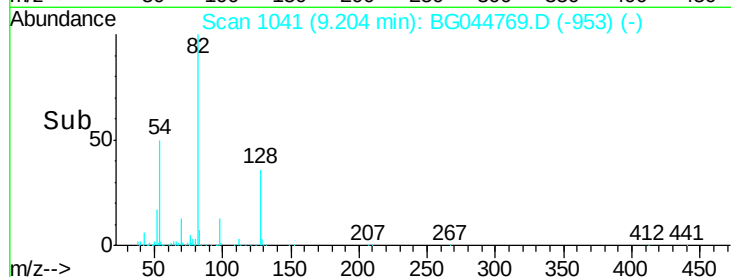
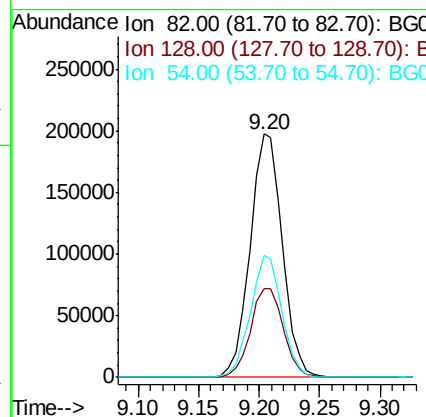
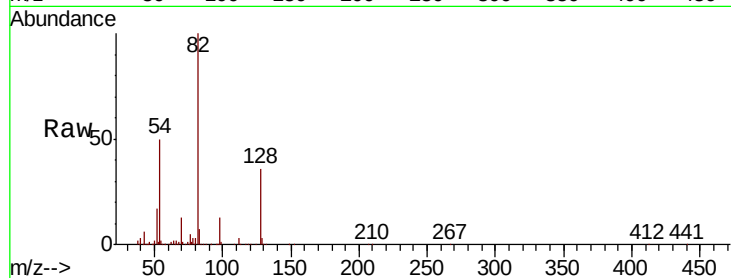
#23
 Nitrobenzene-d5
 Concen: 29.378 ng
 RT: 9.20 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: BG044769.D
 Acq: 13 Mar 2020 16:17

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-031020

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.3	30.2	45.2
54	50.3	41.8	62.8

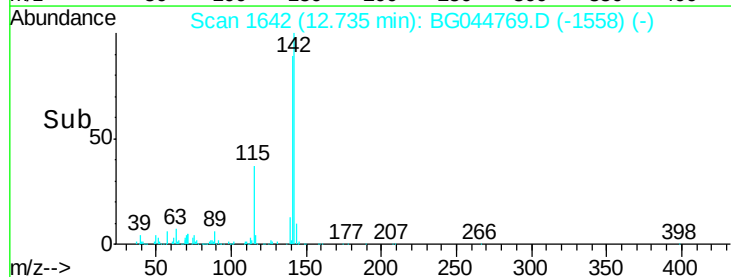
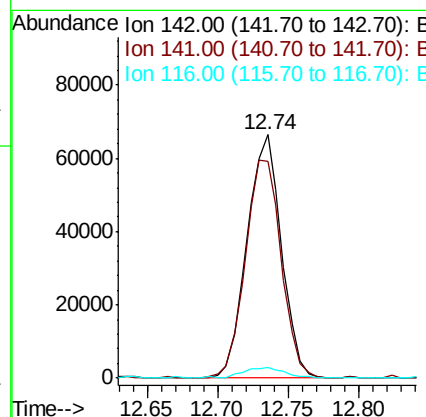
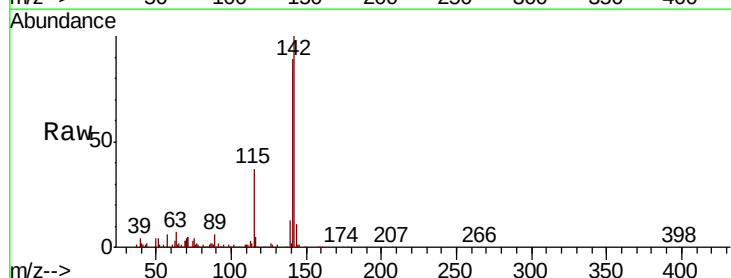
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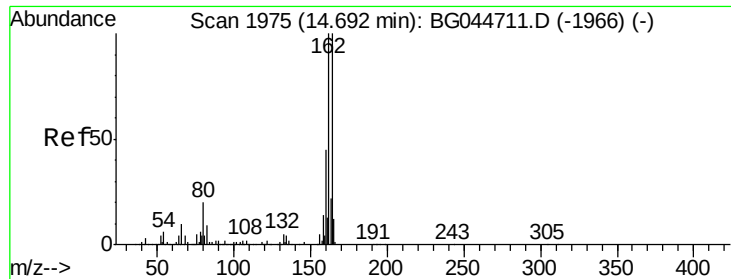
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#38
 1-Methylnaphthalene
 Concen: 5.331 ng
 RT: 12.74 min Scan# 1642
 Delta R.T. -0.01 min
 Lab File: BG044769.D
 Acq: 13 Mar 2020 16:17

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.2	72.2	108.2
116	4.6	3.5	5.3





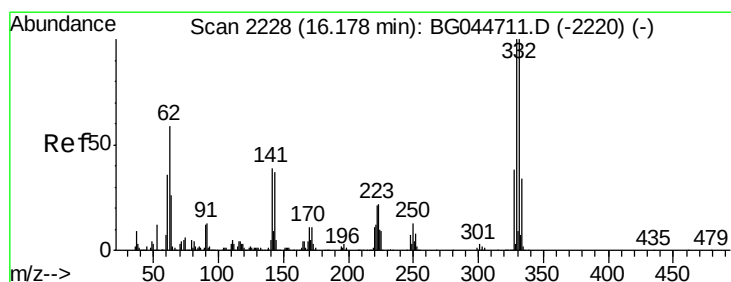
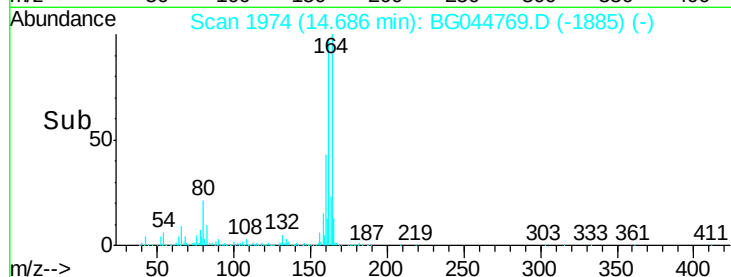
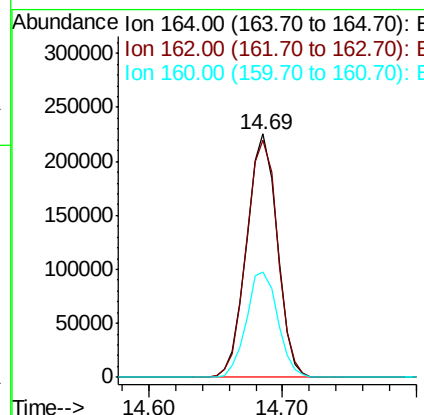
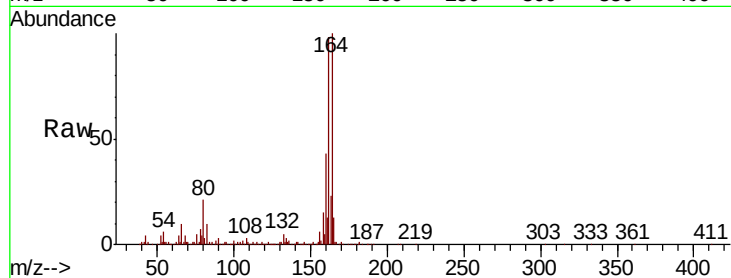
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BG044769.D
Acq: 13 Mar 2020 16:17

Instrument :
BNA_G
ClientSampleId :
OR-03-031020

Tot Ion	Ratio	Lower	Upper
164	100		
162	97.6	80.2	120.4
160	43.1	36.2	54.2

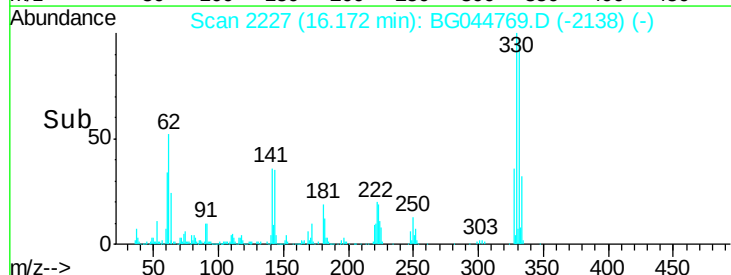
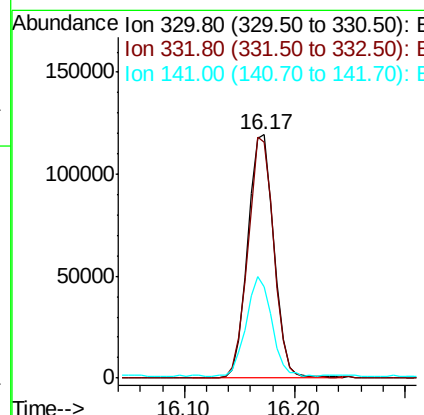
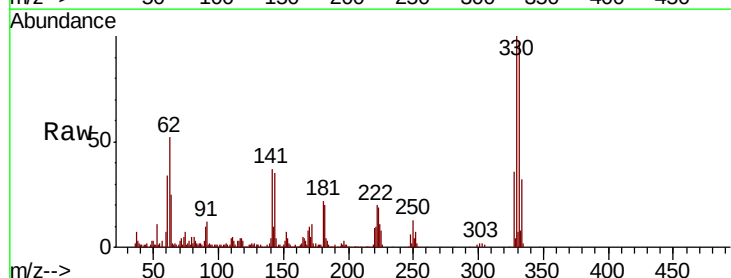
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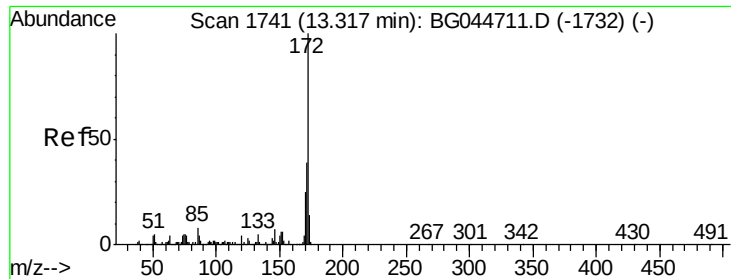
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#42
2,4,6-Tribromophenol
Concen: 42.684 ng
RT: 16.17 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BG044769.D
Acq: 13 Mar 2020 16:17

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.5	116.3
141	40.1	31.7	47.5





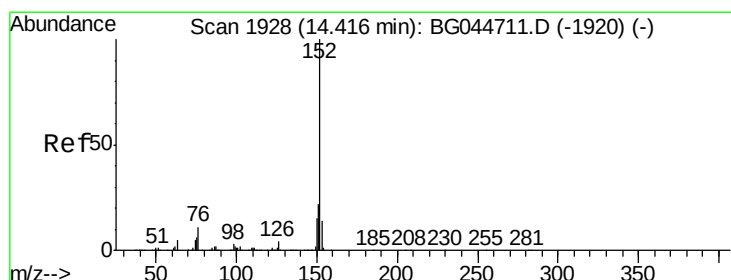
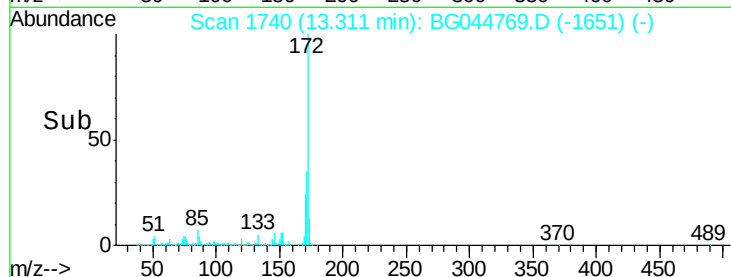
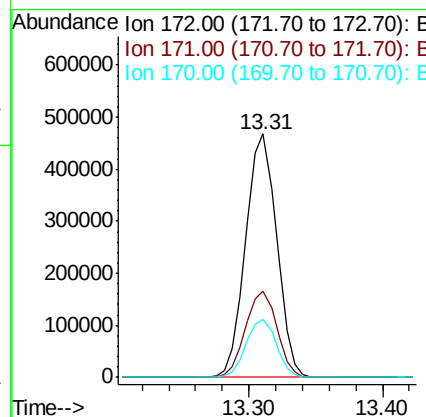
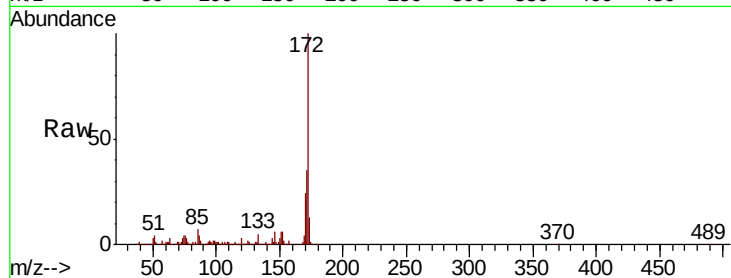
#45
2-Fluorobiphenyl
Concen: 30.203 ng
RT: 13.31 min Scan# 1740
Delta R.T. -0.01 min
Lab File: BG044769.D
Acq: 13 Mar 2020 16:17

Instrument :
BNA_G
ClientSampleId :
OR-03-031020

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	30.8	46.2
170	23.9	20.0	30.0

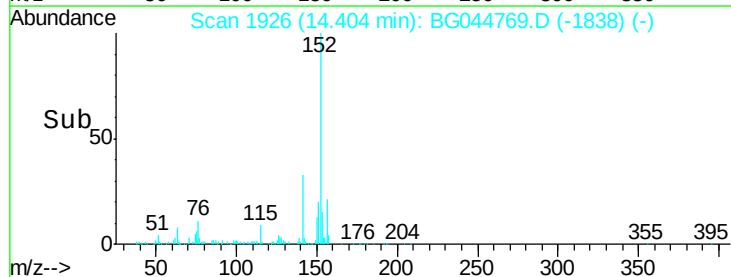
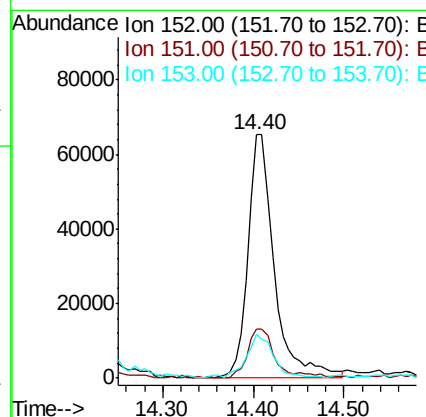
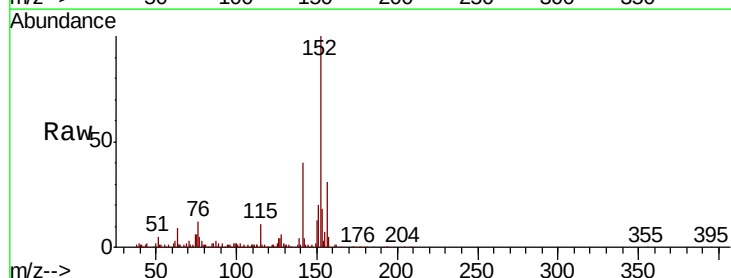
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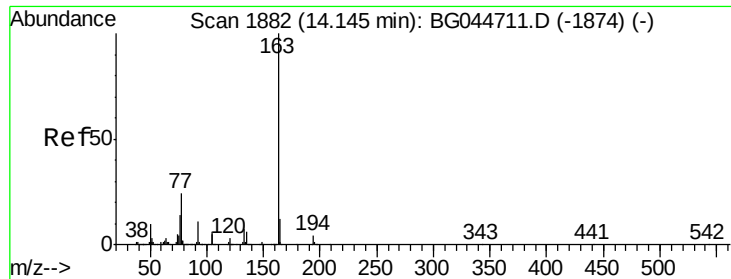
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#49
Acenaphthylene
Concen: 3.880 ng
RT: 14.40 min Scan# 1926
Delta R.T. -0.01 min
Lab File: BG044769.D
Acq: 13 Mar 2020 16:17

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	17.8	26.8
153	18.2	11.4	17.0





#50

Dimethylphthalate

Concen: 2.899 ng

RT: 14.13 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BG044769.D

Acq: 13 Mar 2020 16:17

Instrument :

BNA_G

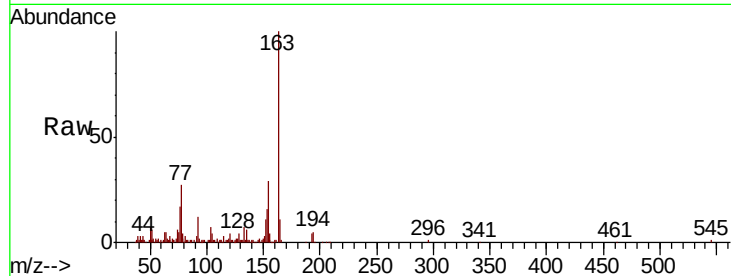
ClientSampleId :

OR-03-031020

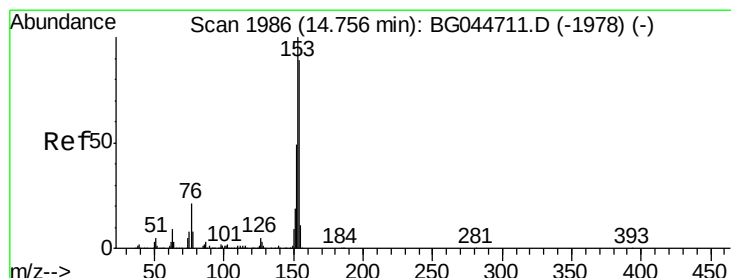
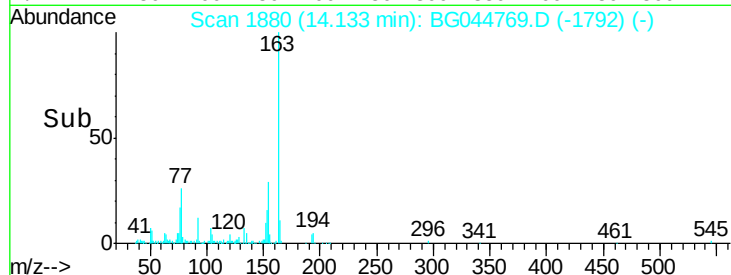
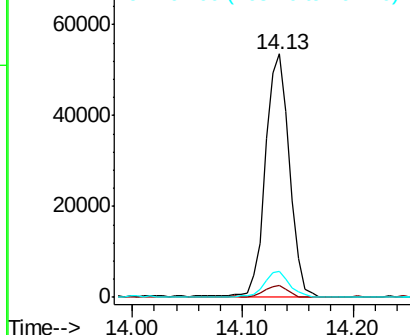
Tot Ion:	163	Resp:	82323
Ion Ratio	Lower	Upper	
163	100		
194	5.1	3.5	5.3
164	10.9	9.2	13.8

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#52

Acenaphthene

Concen: 4.681 ng

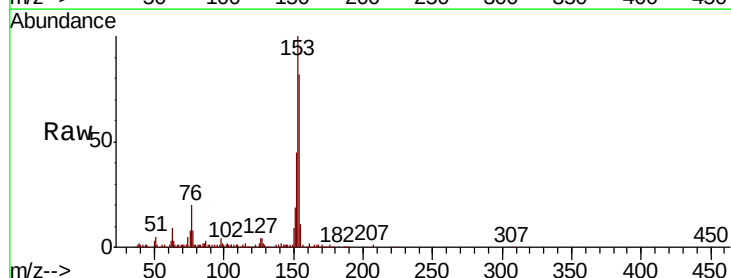
RT: 14.75 min Scan# 1985

Delta R.T. -0.01 min

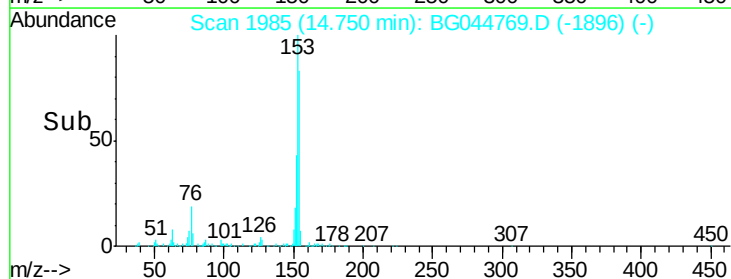
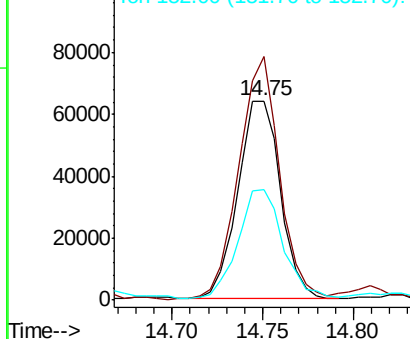
Lab File: BG044769.D

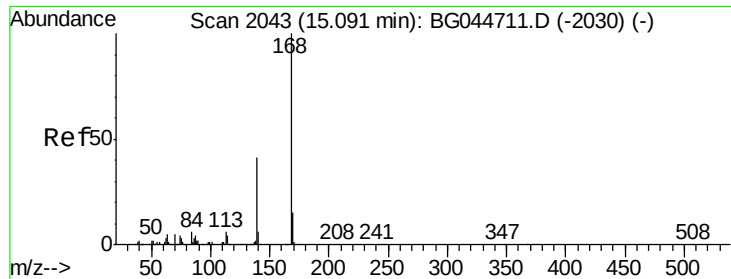
Acq: 13 Mar 2020 16:17

Tgt Ion:	154	Resp:	104540
Ion Ratio	Lower	Upper	
154	100		
153	122.2	89.8	134.8
152	55.4	44.4	66.6



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





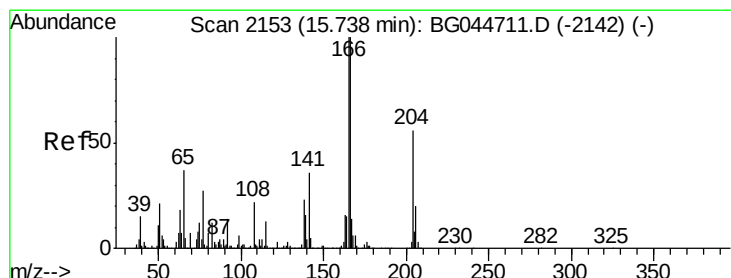
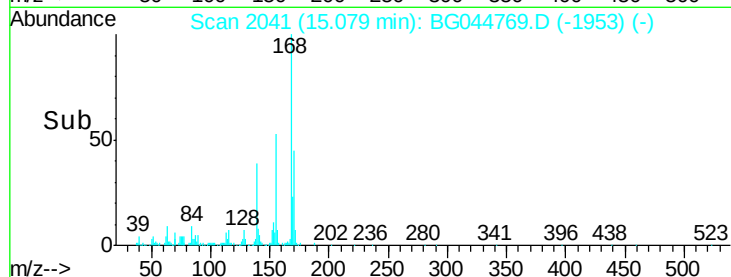
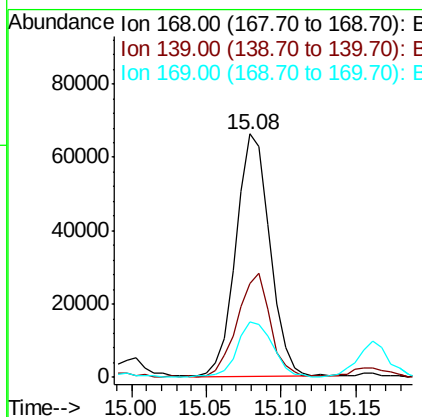
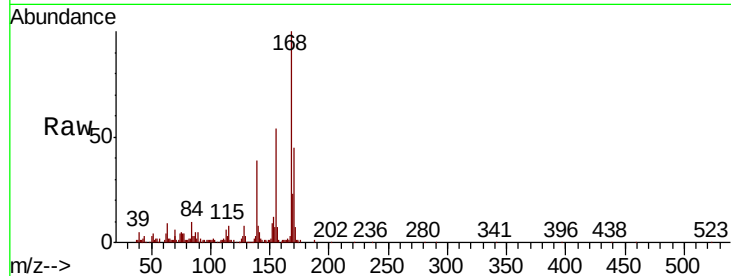
#55
Dibenzenofuran
Concen: 3.232 ng
RT: 15.08 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BG044769.D
Acq: 13 Mar 2020 16:17

Instrument :
BNA_G
ClientSampleId :
OR-03-031020

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.8	32.6	49.0
169	22.6	11.8	17.6

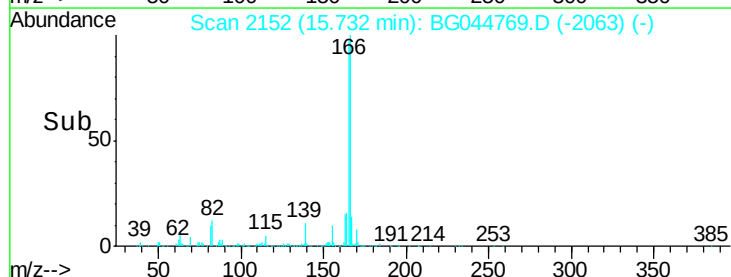
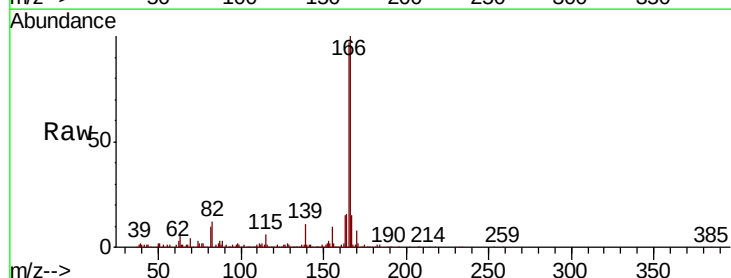
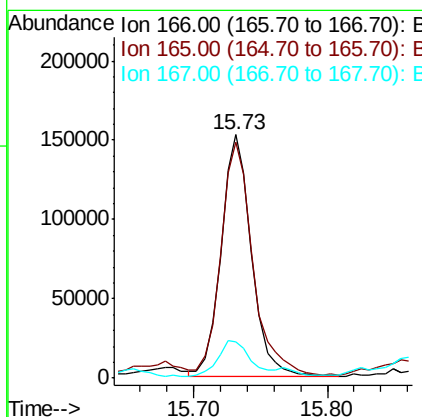
Manual Integrations
APPROVED

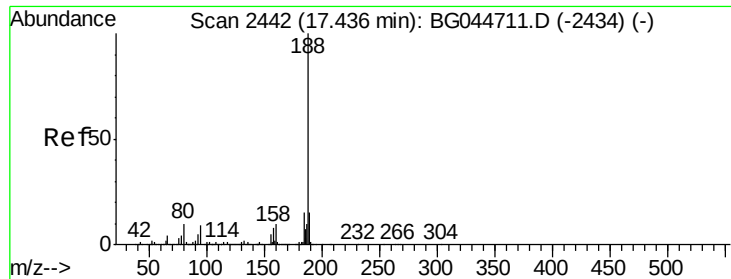
mohammad
3/16/2020 1:51:43 PM



#58
Fluorene
Concen: 9.070 ng
RT: 15.73 min Scan# 2152
Delta R.T. -0.01 min
Lab File: BG044769.D
Acq: 13 Mar 2020 16:17

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.8	79.6	119.4
167	14.7	11.4	17.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG044769.D

Acq: 13 Mar 2020 16:17

Instrument :

BNA_G

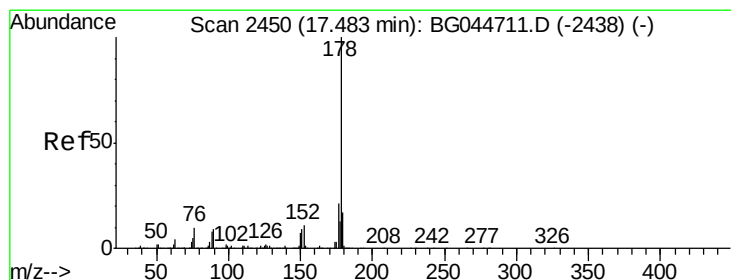
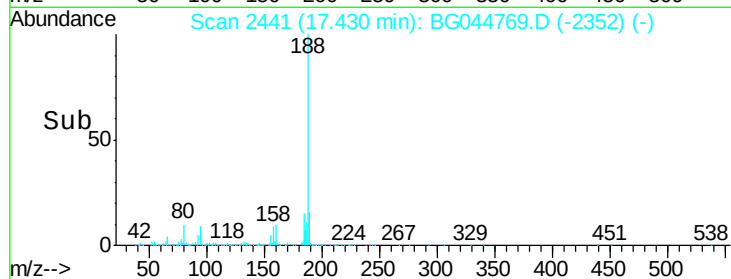
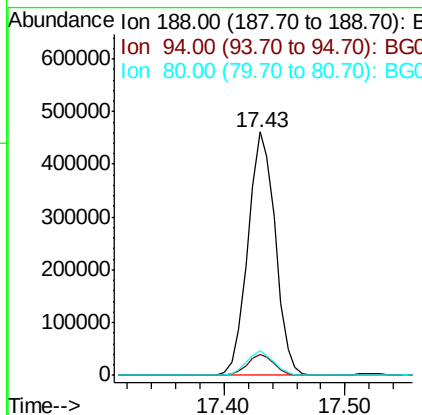
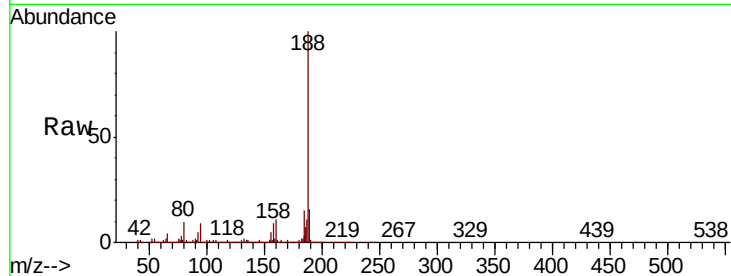
ClientSampleId :

OR-03-031020

Tot Ion:	188	Resp:	731181
Ion Ratio	Lower	Upper	
188	100		
94	8.7	7.0	10.6
80	10.0	8.4	12.6

Manual Integrations
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#71

Phenanthrene

Concen: 40.041 ng

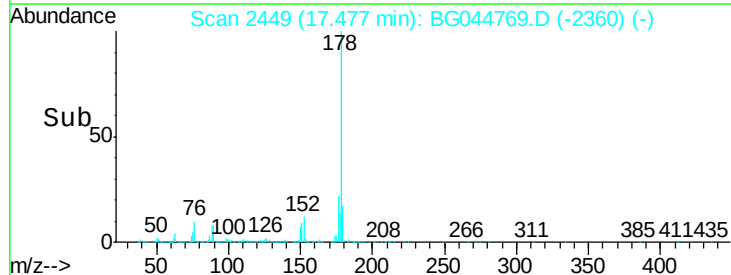
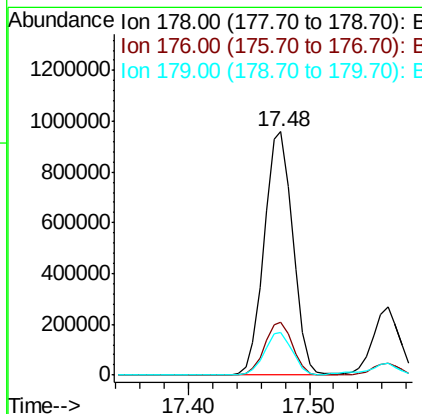
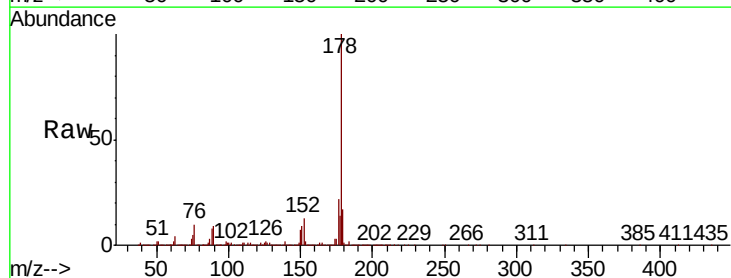
RT: 17.48 min Scan# 2449

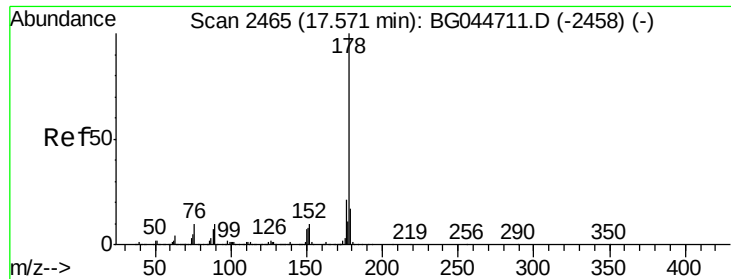
Delta R.T. -0.01 min

Lab File: BG044769.D

Acq: 13 Mar 2020 16:17

Tgt Ion:	178	Resp:	1564543
Ion Ratio	Lower	Upper	
178	100		
176	21.9	17.0	25.6
179	17.4	13.7	20.5





#72

Anthracene

Concen: 10.309 ng

RT: 17.56 min Scan# 2464

Delta R.T. -0.01 min

Lab File: BG044769.D

Acq: 13 Mar 2020 16:17

Instrument :

BNA_G

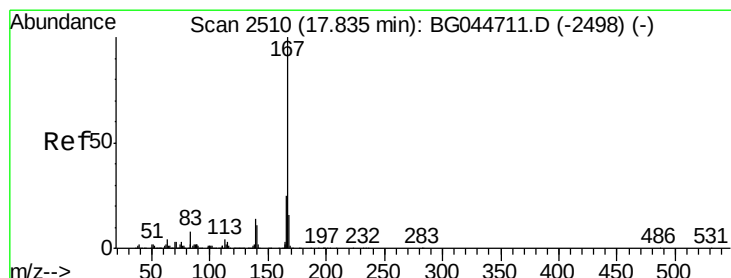
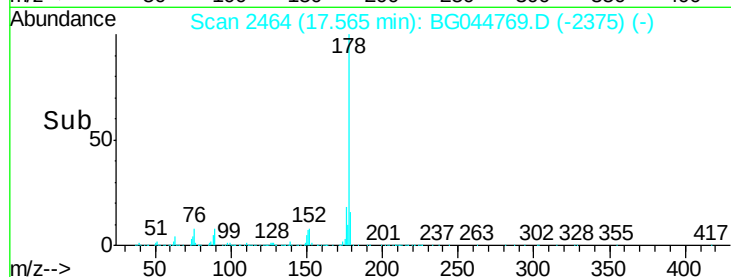
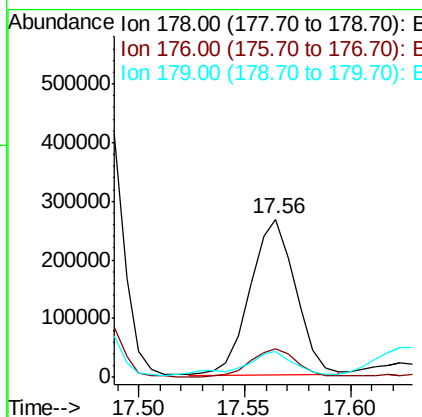
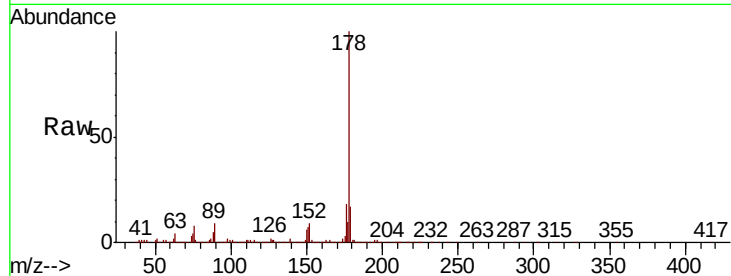
ClientSampleId :

OR-03-031020

Tot Ion:	178	Resp:	397175
Ion Ratio	Lower	Upper	
178	100		
176	18.3	17.0	25.6
179	16.6	13.8	20.8

Manual Integrations
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3/16/2020 1:51:43 PM



#73

Carbazole

Concen: 2.324 ng

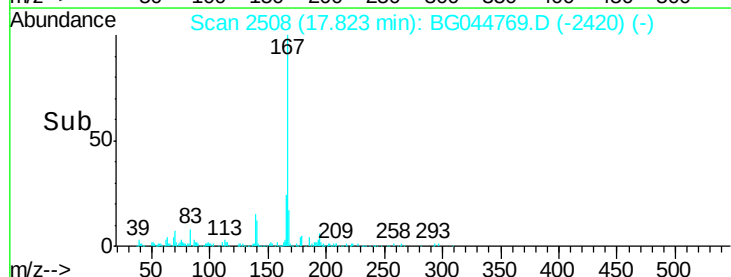
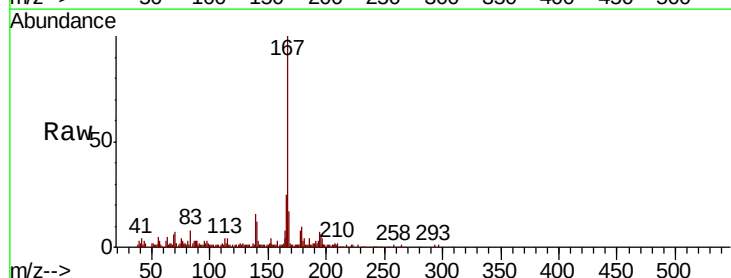
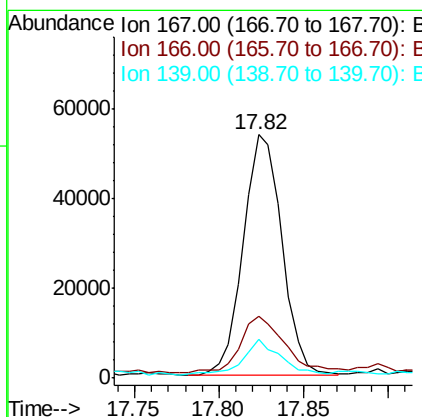
RT: 17.82 min Scan# 2508

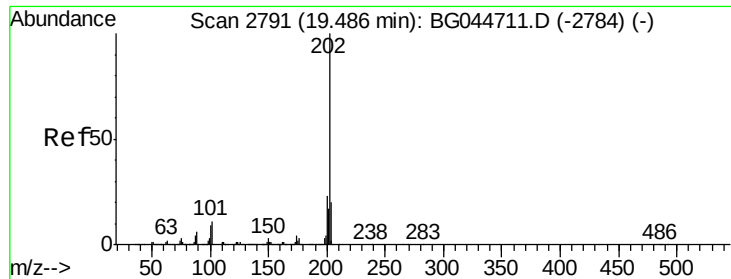
Delta R.T. -0.01 min

Lab File: BG044769.D

Acq: 13 Mar 2020 16:17

Tgt Ion:	167	Resp:	86011
Ion Ratio	Lower	Upper	
167	100		
166	25.2	19.6	29.4
139	16.1	11.4	17.2





#75

Fluoranthene

Concen: 35.179 ng

RT: 19.48 min Scan# 2790

Delta R.T. -0.01 min

Lab File: BG044769.D

Acq: 13 Mar 2020 16:17

Instrument :

BNA_G

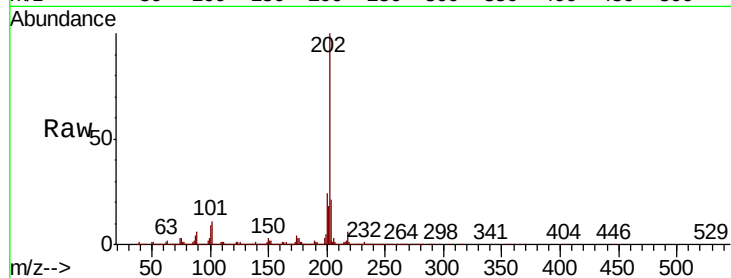
ClientSampleId :

OR-03-031020

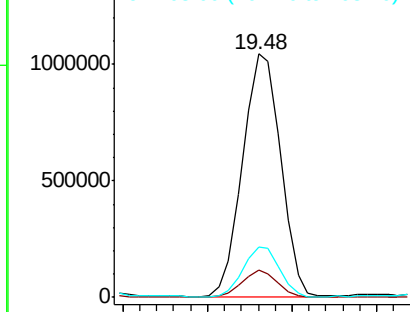
Tot Ion:	202	Resp:	1636657
Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.3
203	20.5	0.4	40.4

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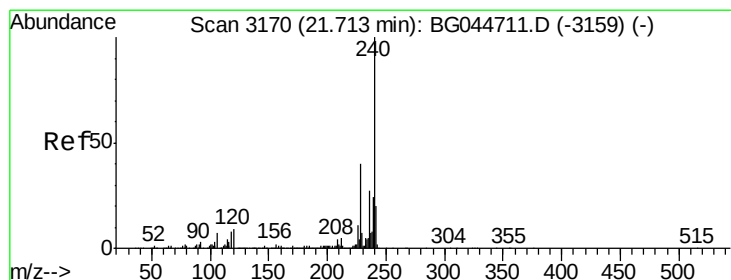
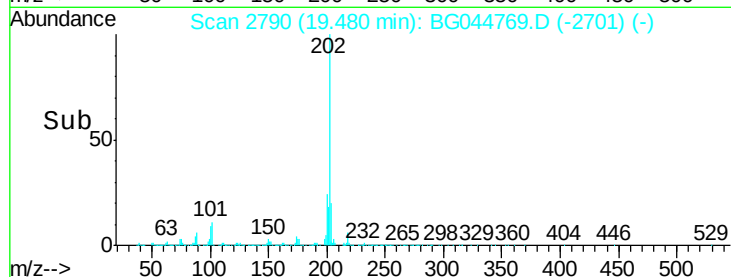
mohammad
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

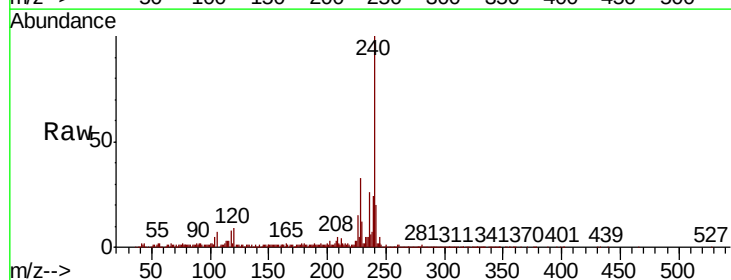
RT: 21.71 min Scan# 3169

Delta R.T. -0.01 min

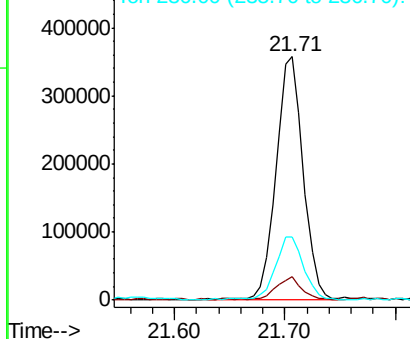
Lab File: BG044769.D

Acq: 13 Mar 2020 16:17

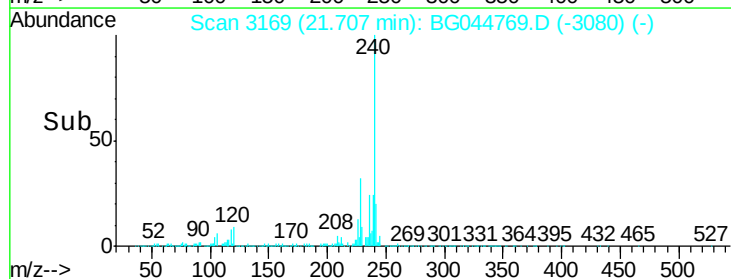
Tgt Ion:	240	Resp:	600584
Ion	Ratio	Lower	Upper
240	100		
120	9.4	6.9	10.3
236	25.8	21.9	32.9

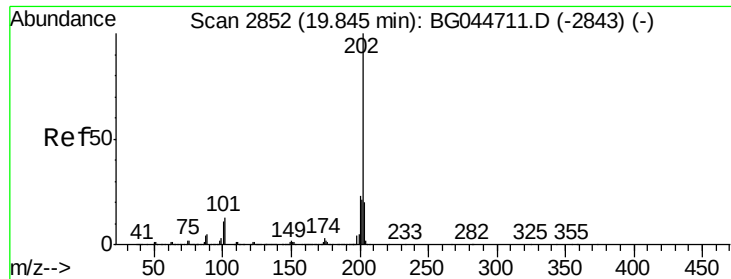


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->





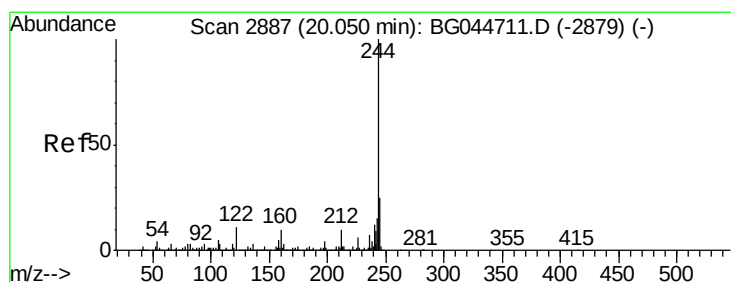
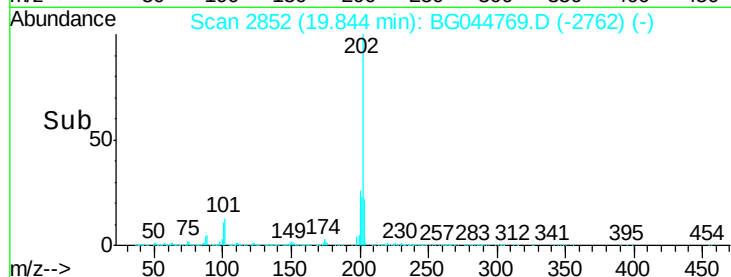
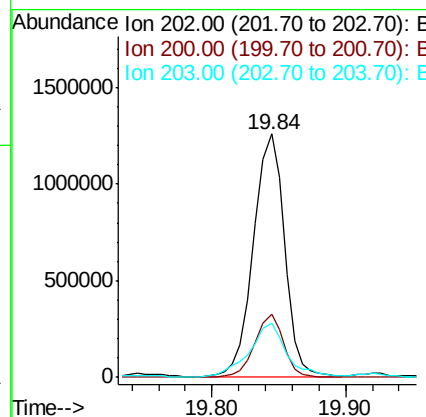
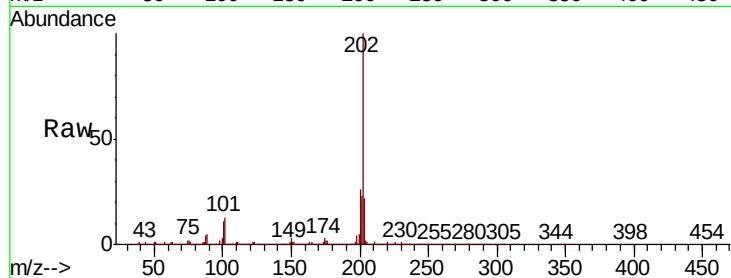
#78
Pvrene
Concen: 45.606 ng
RT: 19.84 min Scan# 2852
Delta R.T. -0.00 min
Lab File: BG044769.D
Acq: 13 Mar 2020 16:17

Instrument :
BNA_G
ClientSampleId :
OR-03-031020

Tot Ion	Ratio	Lower	Upper
202	100		
200	25.9	18.7	28.1
203	22.2	16.0	24.0

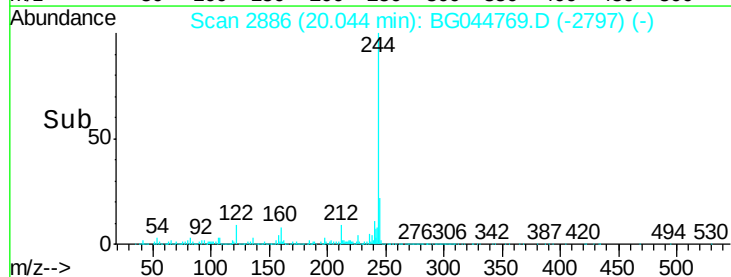
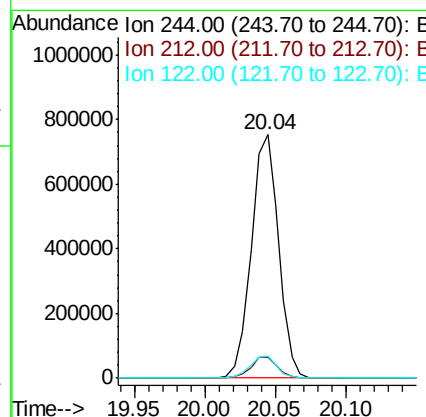
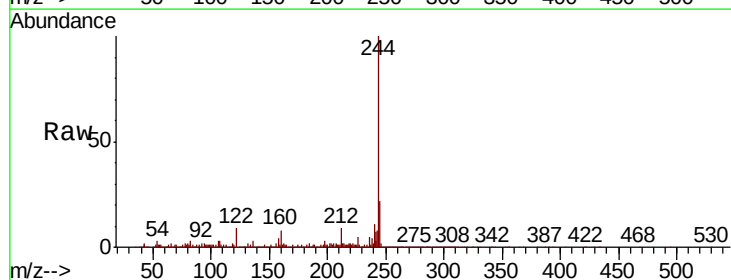
Manual Integrations
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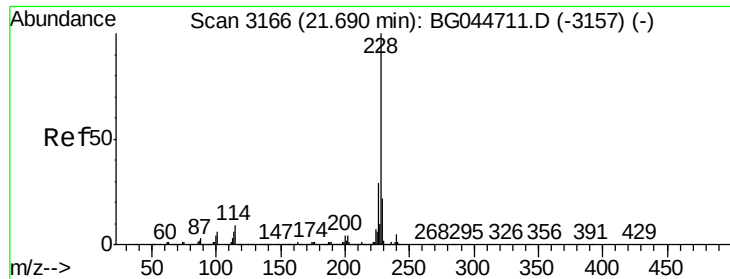
mohammad
3/16/2020 1:51:43 PM



#79
Terphenyl-d14
Concen: 31.707 ng
RT: 20.04 min Scan# 2886
Delta R.T. -0.01 min
Lab File: BG044769.D
Acq: 13 Mar 2020 16:17

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.8	8.4	12.6
122	9.0	8.7	13.1





#81

Benzo(a)anthracene

Concen: 21.661 ng

RT: 21.68 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BG044769.D

Acq: 13 Mar 2020 16:17

Instrument :

BNA_G

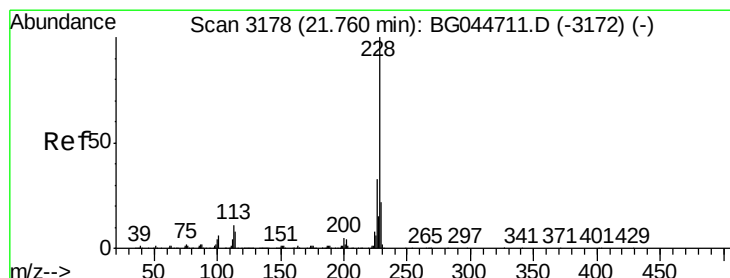
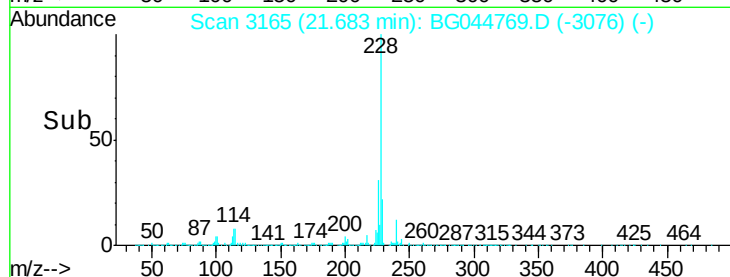
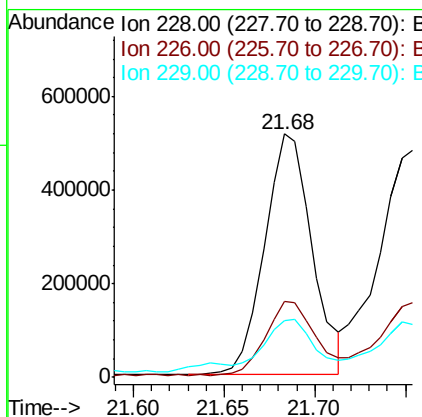
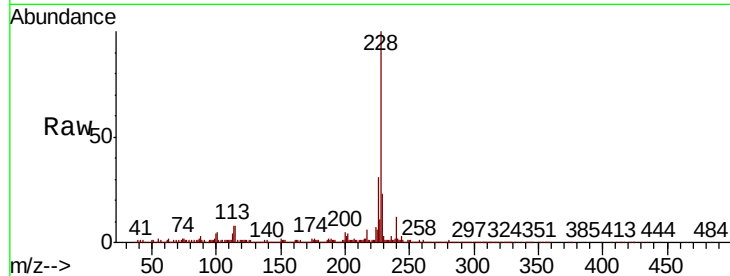
ClientSampleId :

OR-03-031020

Tot Ion:	228	Resp:	936743
Ion Ratio	Lower	Upper	
228	100		
226	31.3	23.5	35.3
229	23.4	17.2	25.8

Manual Integrations
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#83

Chrysene

Concen: 23.202 ng

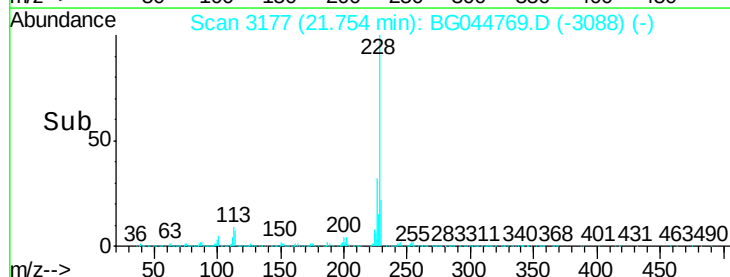
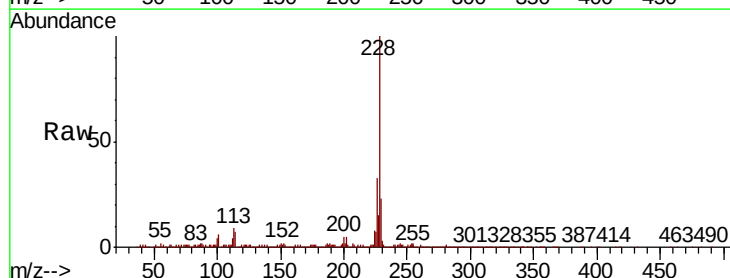
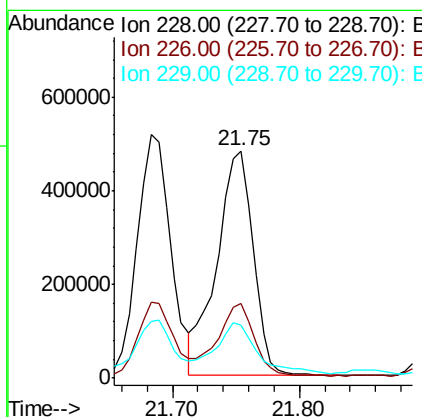
RT: 21.75 min Scan# 3177

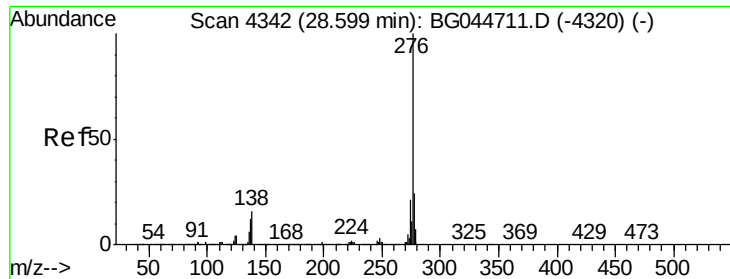
Delta R.T. -0.01 min

Lab File: BG044769.D

Acq: 13 Mar 2020 16:17

Tgt Ion:	228	Resp:	958459
Ion Ratio	Lower	Upper	
228	100		
226	32.6	26.1	39.1
229	23.0	17.4	26.0





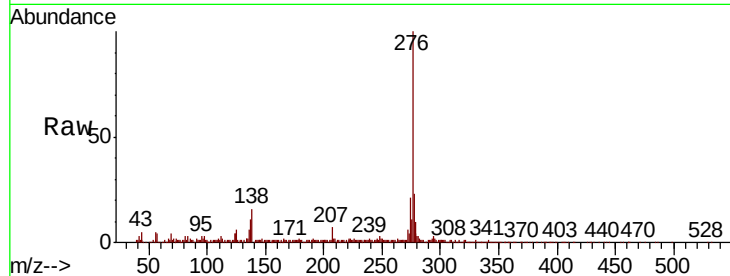
#86
Indeno(1,2,3-cd)pyrene
Concen: 10.353 ng
RT: 28.58 min Scan# 4339
Delta R.T. -0.02 min
Lab File: BG044769.D
Acq: 13 Mar 2020 16:17

Instrument :
BNA_G
ClientSampleId :
OR-03-031020

Tot Ion	Ratio	Lower	Upper
276	100		
138	7.8	10.9	16.3#
277	25.5	20.8	31.2

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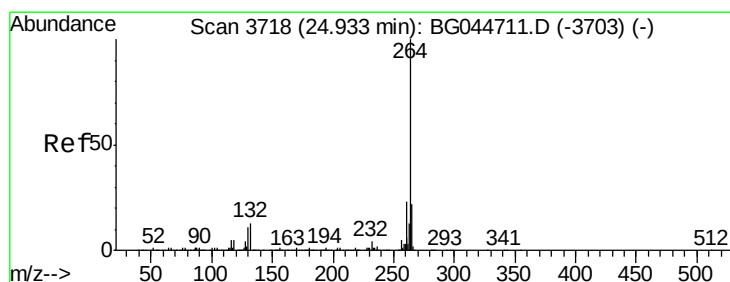
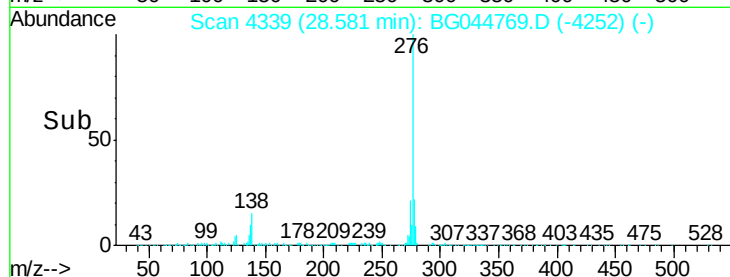
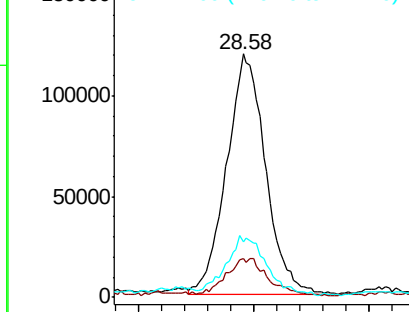


Abundance

Ion 276.00 (275.70 to 276.70): E

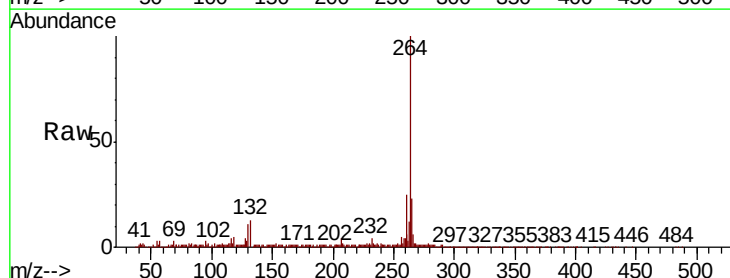
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3717
Delta R.T. -0.01 min
Lab File: BG044769.D
Acq: 13 Mar 2020 16:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	18.4	27.6
265	22.9	17.4	26.2

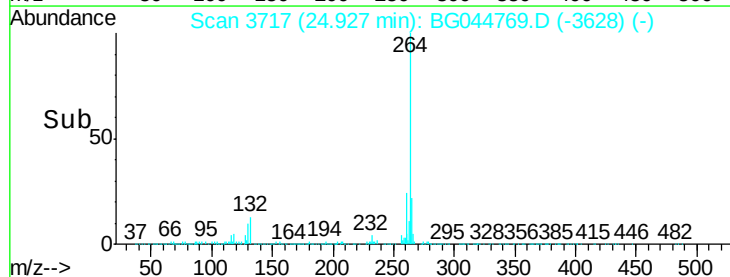
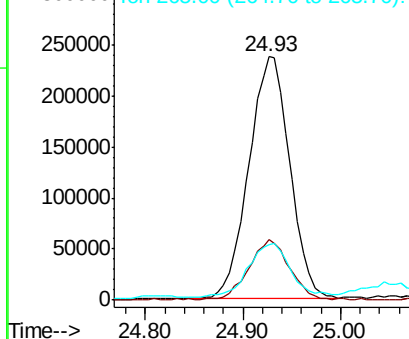


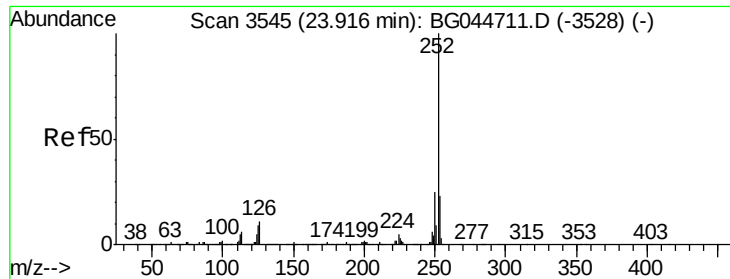
Abundance

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





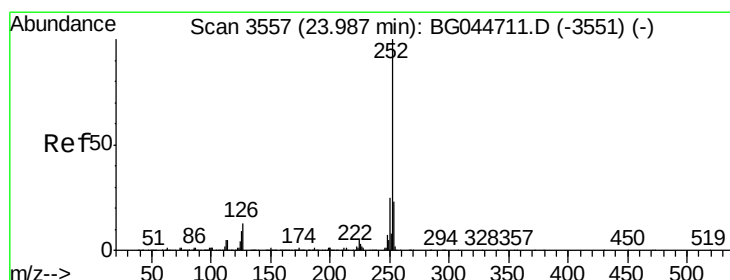
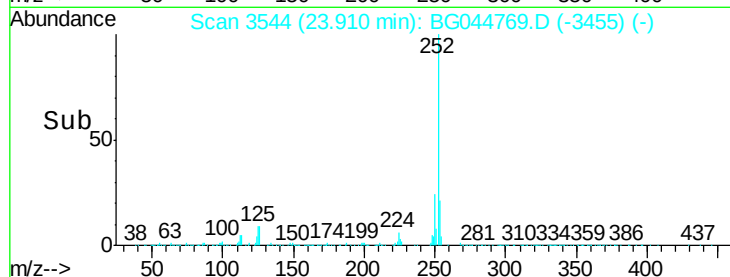
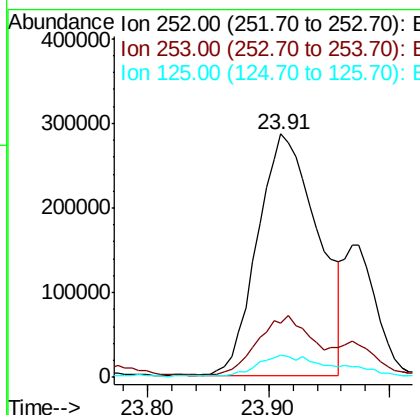
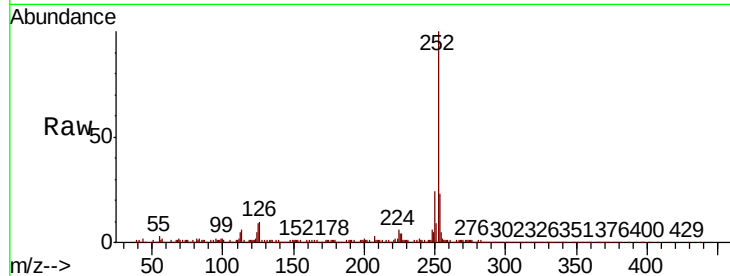
#88
Benzo(b)fluoranthene
Concen: 21.451 ng
RT: 23.91 min Scan# 3544
Delta R.T. -0.01 min
Lab File: BG044769.D
Acq: 13 Mar 2020 16:17

Instrument :
BNA_G
ClientSampleId :
OR-03-031020

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.7	28.1
125	9.1	7.2	10.8

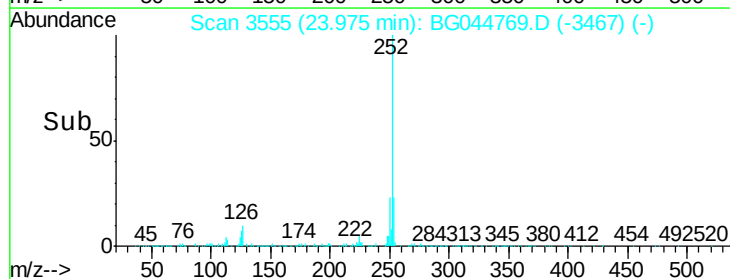
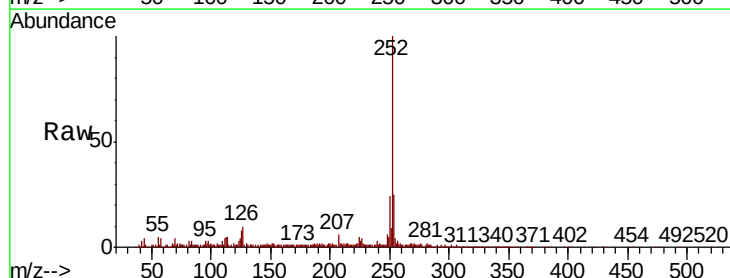
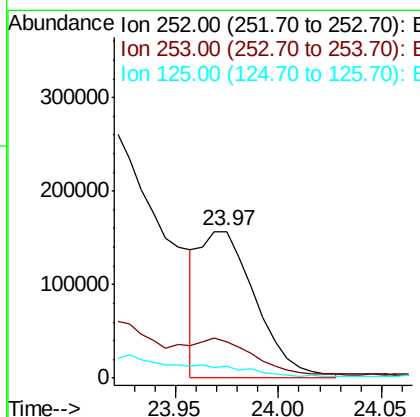
Manual Integrations
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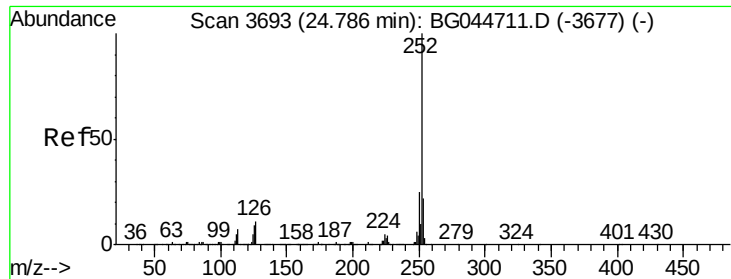
mohammad
3/16/2020 1:51:43 PM



#89
Benzo(k)fluoranthene
Concen: 6.740 ng m
RT: 23.97 min Scan# 3555
Delta R.T. -0.01 min
Lab File: BG044769.D
Acq: 13 Mar 2020 16:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.4	27.6
125	8.0	7.0	10.4





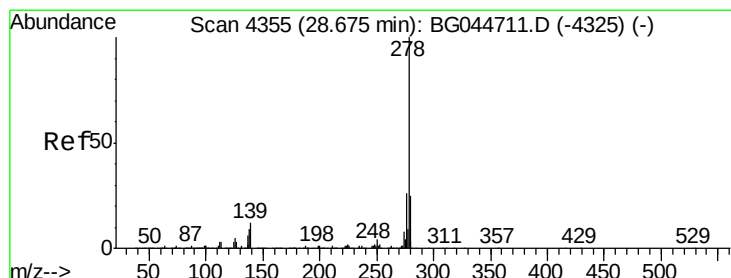
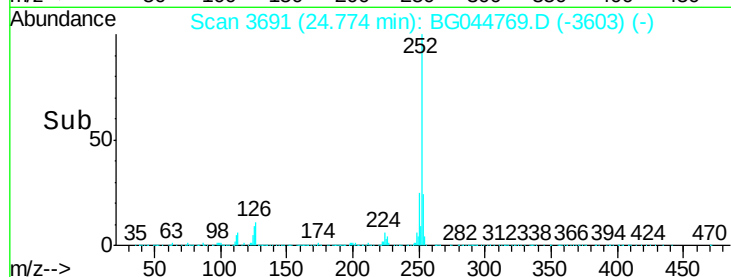
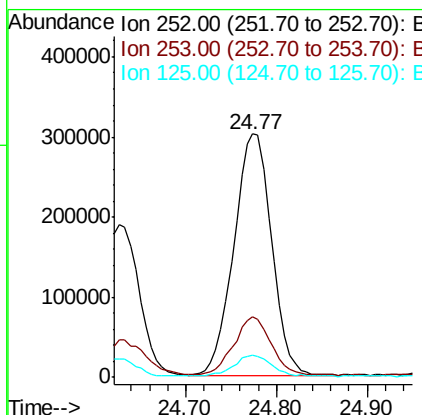
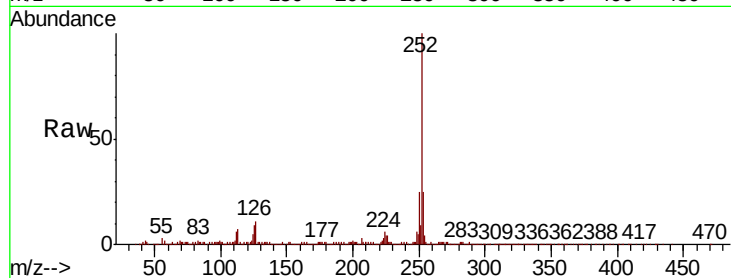
#90
Benzo(a)pyrene
Concen: 20.150 ng
RT: 24.77 min Scan# 3691
Delta R.T. -0.01 min
Lab File: BG044769.D
Acq: 13 Mar 2020 16:17

Instrument :
BNA_G
ClientSampleId :
OR-03-031020

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.7	26.5
125	9.0	7.0	10.6

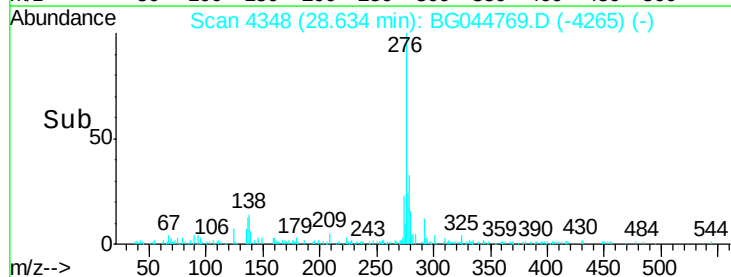
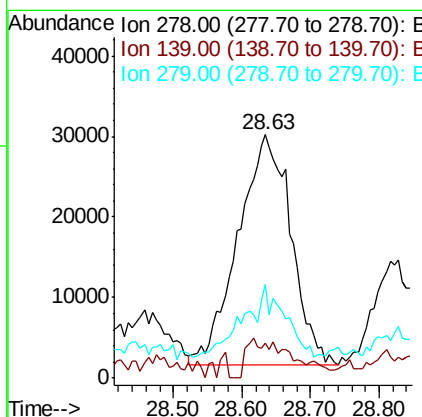
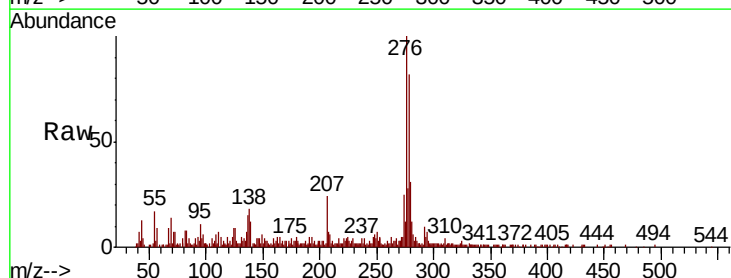
Manual Integrations
APPROVED

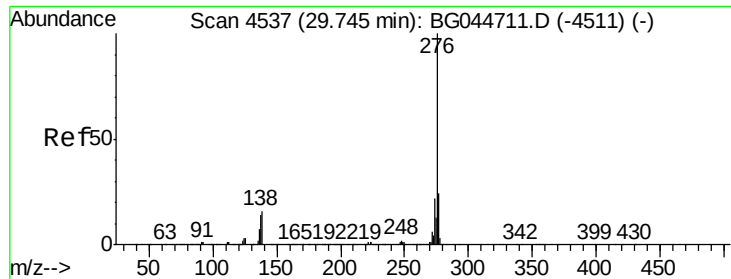
mohammad
3/16/2020 1:51:43 PM



#91
Dibenzo(a,h)anthracene
Concen: 3.578 ng
RT: 28.63 min Scan# 4348
Delta R.T. -0.04 min
Lab File: BG044769.D
Acq: 13 Mar 2020 16:17

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.6	9.9	14.9
279	38.4	20.2	30.4#





#92
 Benzo(a,h,i)perylene
 Concen: 13.502 ng
 RT: 29.72 min Scan# 4532
 Delta R.T. -0.03 min
 Lab File: BG044769.D
 Acq: 13 Mar 2020 16:17

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-031020

Tot Ion:	276	Resp:	580316
Ion Ratio		Lower	Upper
276	100		
277	23.9	18.8	28.2
138	16.4	13.0	19.4

Manual Integrations
 APPROVED

mohammad
 3/16/2020 1:51:43 PM

