

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111419\
 Data File : BG043644.D
 Acq On : 14 Nov 2019 21:45
 Operator : JU
 Sample : K5806-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 STOCK-PILE

Manual Integrations
 APPROVED

mohammad
 11/15/2019 6:00:47 PM

Quant Time: Nov 15 03:13:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	39313	20.00	ng	-0.01
21) Naphthalene-d8	10.80	136	152815	20.00	ng	-0.02
39) Acenaphthene-d10	14.62	164	104493	20.00	ng	-0.02
64) Phenanthrene-d10	17.37	188	238555	20.00	ng	-0.02
76) Chrysene-d12	21.64	240	258252	20.00	ng	-0.02
87) Perylene-d12	24.82	264	304634	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	194556	90.69	ng	0.00
7) Phenol-d6	7.20	99	271453	87.94	ng	0.00
23) Nitrobenzene-d5	9.16	82	160920	54.29	ng	-0.02
42) 2,4,6-Tribromophenol	16.12	330	146325	73.59	ng	-0.02
45) 2-Fluorobiphenyl	13.25	172	447326	59.15	ng	-0.02
79) Terphenyl-d14	19.98	244	775422	56.33	ng	-0.02
Target Compounds						
10) Phenol	7.22	94	9271	3.287	ng	Qvalue 91
50) Dimethylphthalate	14.08	163	42172	5.210	ng	98
58) Fluorene	15.68	166	17396	2.228	ng	96
71) Phenanthrene	17.42	178	241581	19.776	ng	99
72) Anthracene	17.51	178	59564m	4.873	ng	
73) Carbazole	17.79	167	24208	2.187	ng	97
75) Fluoranthene	19.42	202	474697	29.807	ng	99
78) Pyrene	19.79	202	428303	26.793	ng	99
81) Benzo(a)anthracene	21.62	228	251573	15.552	ng	100
83) Chrysene	21.68	228	239308	14.889	ng	98
86) Indeno(1,2,3-cd)pyrene	28.46	276	213570	10.586	ng	# 97
88) Benzo(b)fluoranthene	23.81	252	358610	20.785	ng	97
89) Benzo(k)fluoranthene	23.87	252	111901m	6.442	ng	
90) Benzo(a)pyrene	24.67	252	275484	16.720	ng	98
91) Dibenzo(a,h)anthracene	28.48	278	53456m	3.172	ng	
92) Benzo(g,h,i)perylene	29.58	276	211951	12.750	ng	98

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

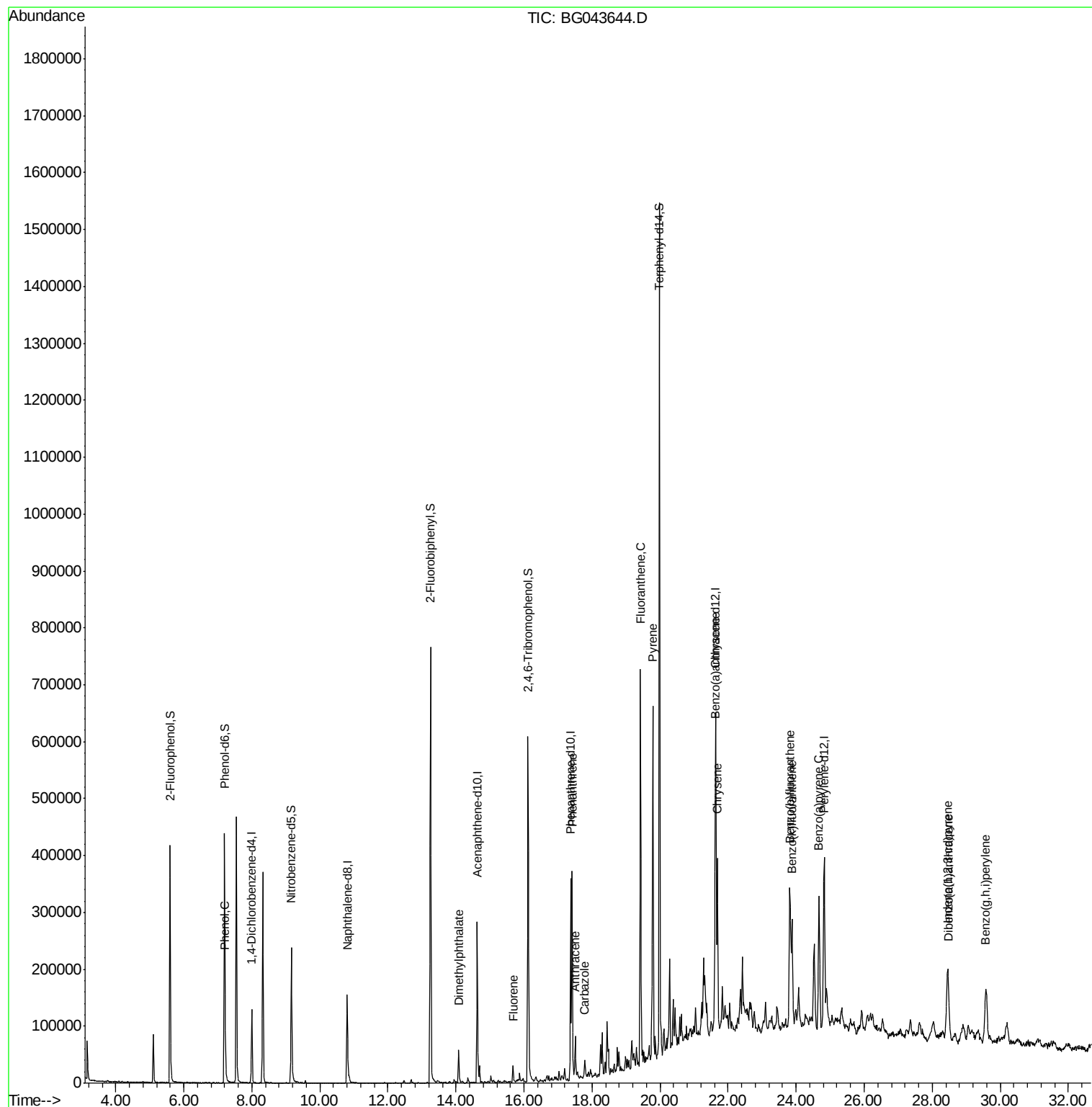
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

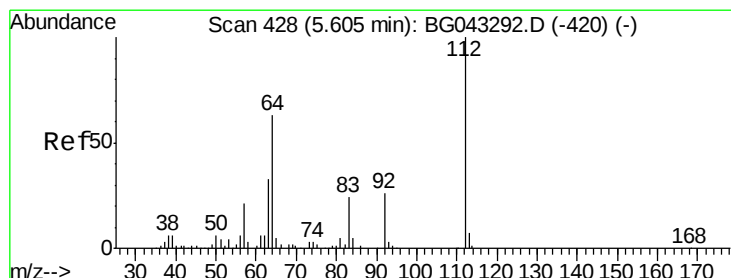
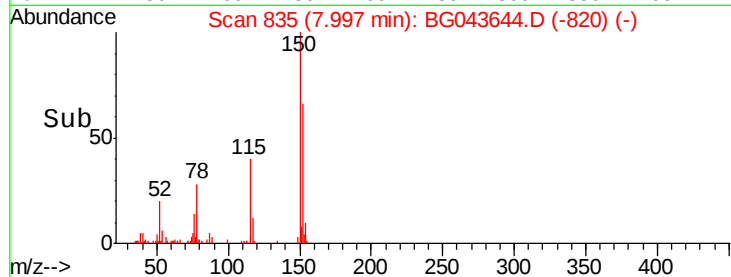
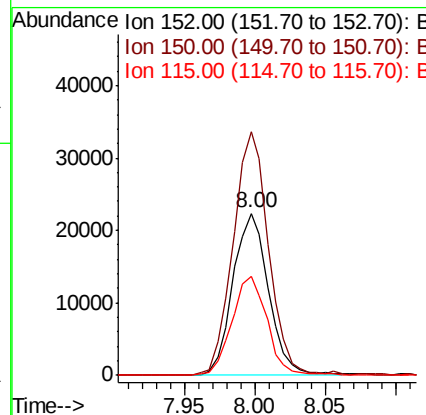
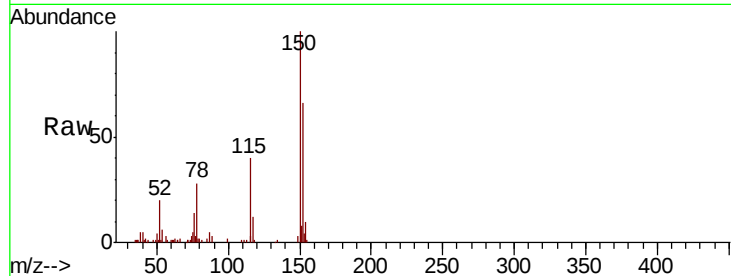
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG043644.D
Acq: 14 Nov 2019 21:45

Instrument :
BNA_G
ClientSampleId :
STOCK-PILE

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.5	129.4	194.0
115	60.9	48.8	73.2

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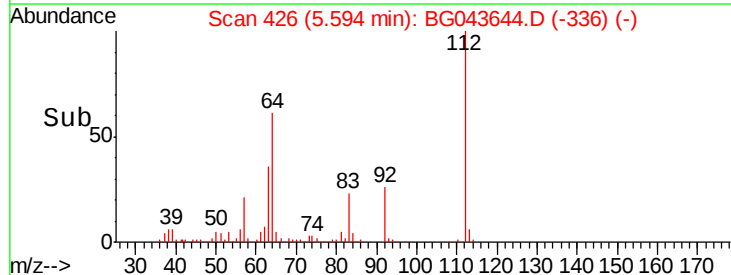
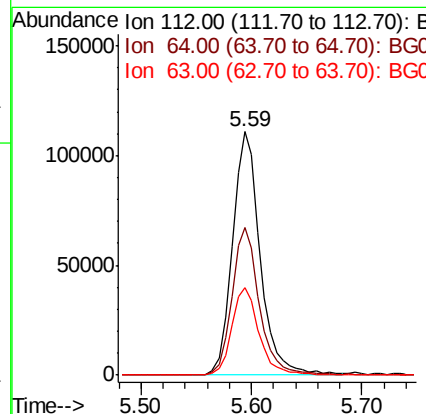
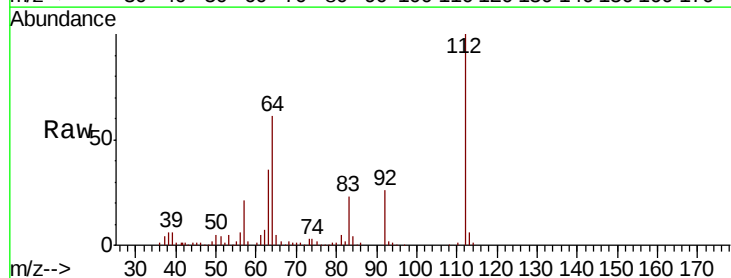
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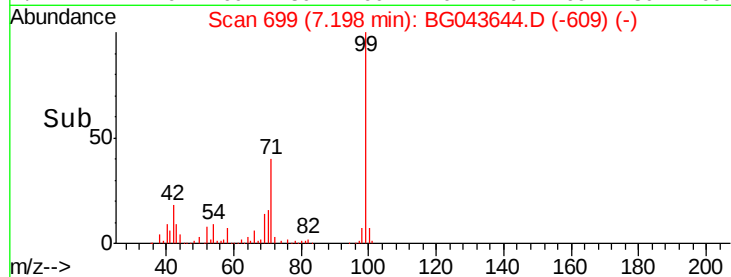
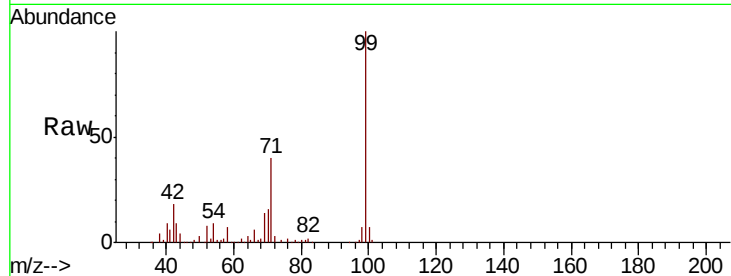


#5

2-Fluorophenol
Concen: 90.686 ng
RT: 5.59 min Scan# 426
Delta R.T. 0.00 min
Lab File: BG043644.D
Acq: 14 Nov 2019 21:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.8	50.0	75.0
63	36.1	26.6	40.0





#7

Phenol-d6

Concen: 87.943 ng

RT: 7.20 min Scan# 699

Delta R.T. 0.00 min

Lab File: BG043644.D

Acq: 14 Nov 2019 21:45

Tot Ion:	99	Resp:	271453
Ion	Ratio	Lower	Upper
99	100		
42	17.8	14.6	21.8
71	39.8	32.5	48.7

Instrument :

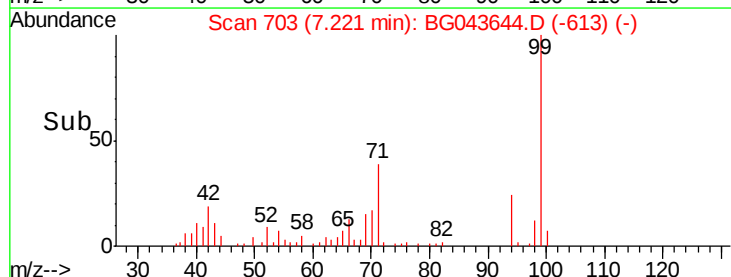
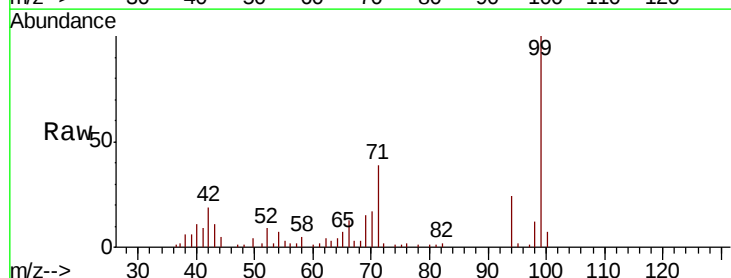
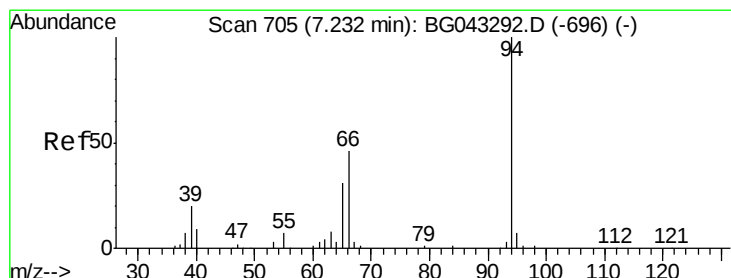
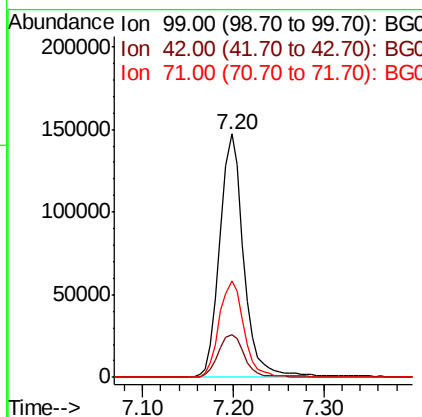
BNA_G

ClientSampleId :

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#10

Phenol

Concen: 3.287 ng

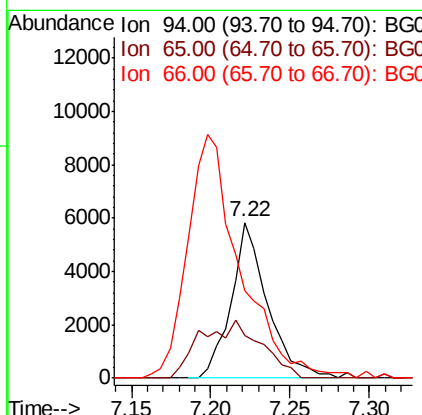
RT: 7.22 min Scan# 703

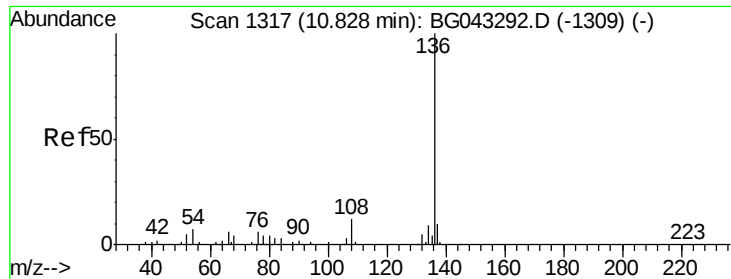
Delta R.T. 0.00 min

Lab File: BG043644.D

Acq: 14 Nov 2019 21:45

Tgt Ion:	94	Resp:	9271
Ion	Ratio	Lower	Upper
94	100		
65	27.4	12.6	52.6
66	56.4	30.7	70.7





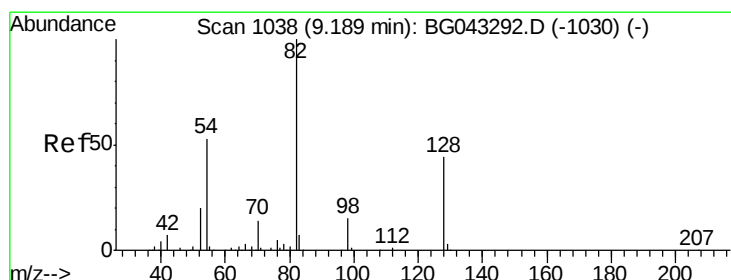
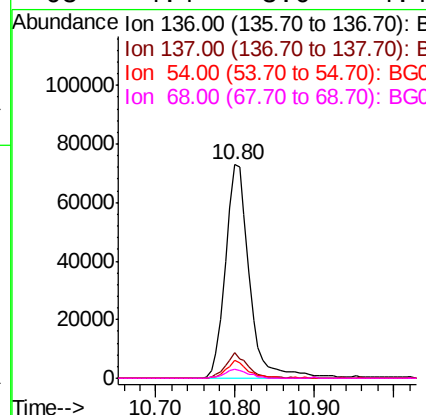
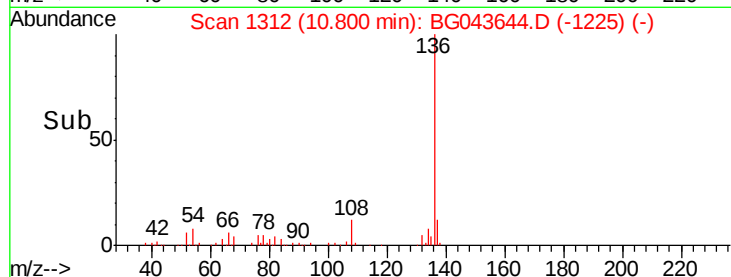
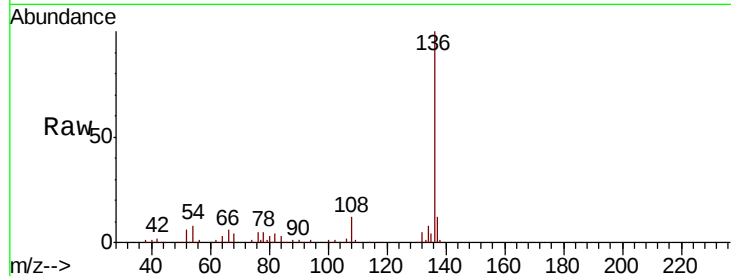
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1312
Delta R.T. -0.02 min
Lab File: BG043644.D
Acq: 14 Nov 2019 21:45

Instrument :
BNA_G
ClientSampleId :
STOCK-PILE

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	12.0	8.7	13.1
54	8.4	5.4	8.2
68	4.4	3.0	4.4

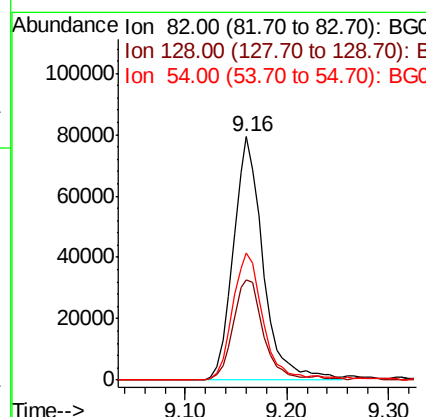
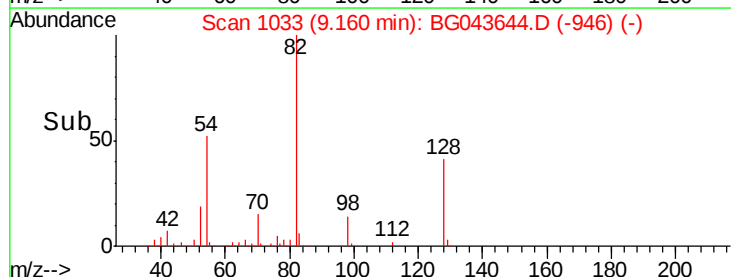
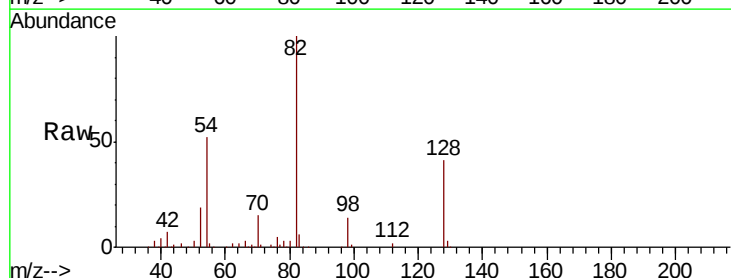
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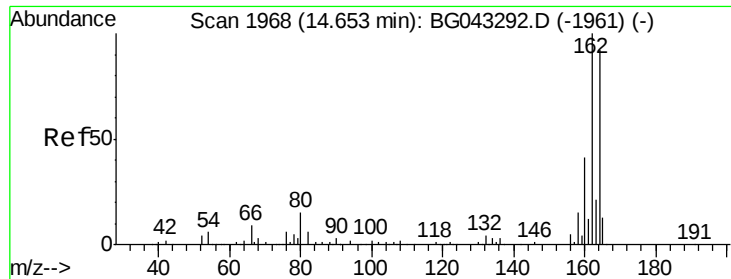
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#23
Nitrobenzene-d5
Concen: 54.289 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.02 min
Lab File: BG043644.D
Acq: 14 Nov 2019 21:45

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	40.9	35.0	52.6
54	52.4	40.2	60.2





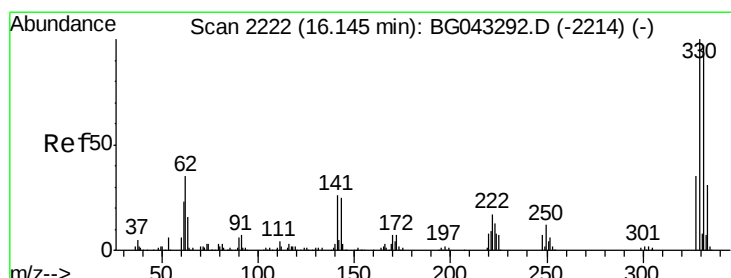
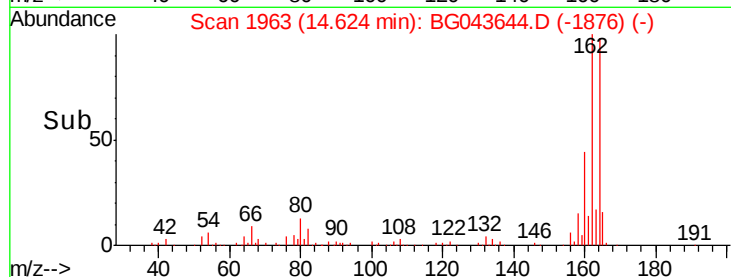
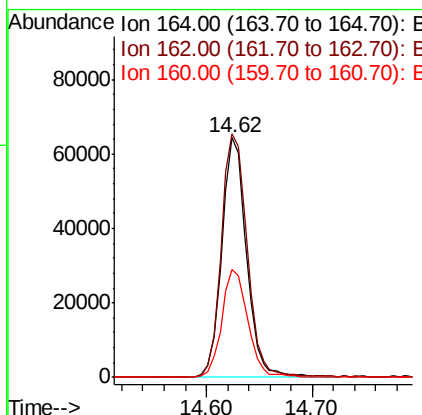
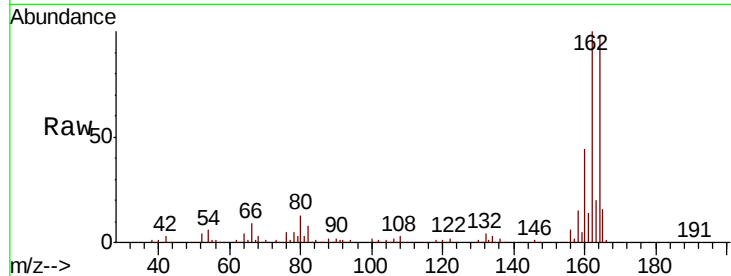
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.62 min Scan# 1963
Delta R.T. -0.02 min
Lab File: BG043644.D
Acq: 14 Nov 2019 21:45

Instrument :
BNA_G
ClientSampleId :
STOCK-PILE

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.8	83.5	125.3
160	45.0	36.5	54.7

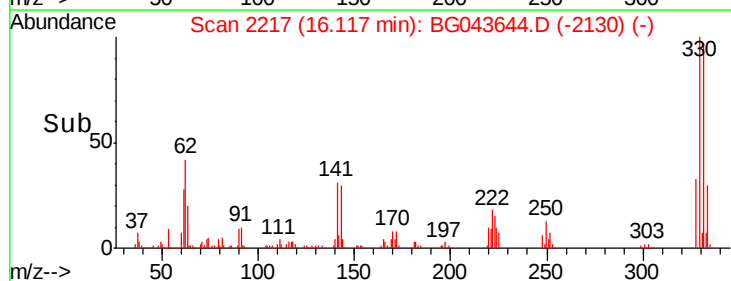
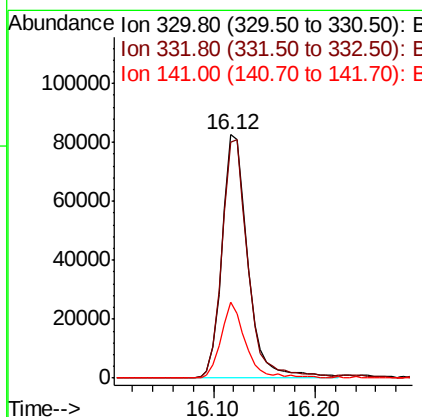
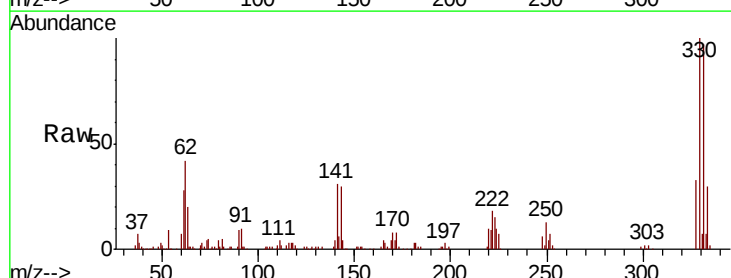
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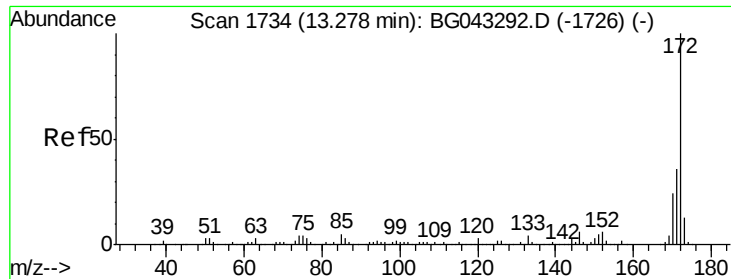
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#42
2,4,6-Tribromophenol
Concen: 73.585 ng
RT: 16.12 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BG043644.D
Acq: 14 Nov 2019 21:45

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.5	77.4	116.0
141	29.7	22.8	34.2





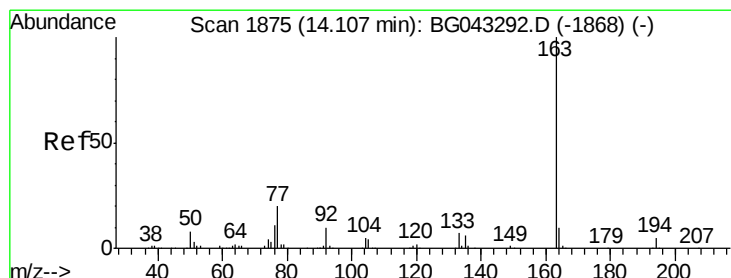
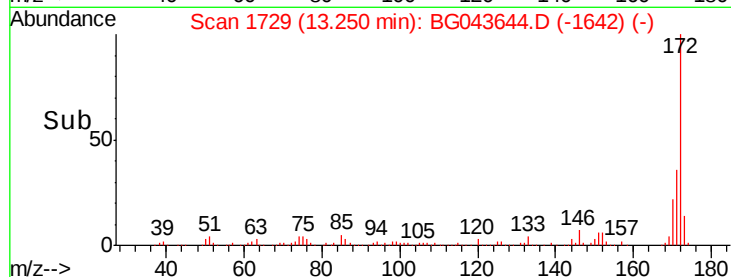
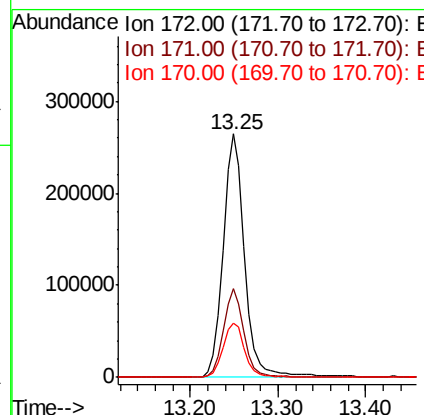
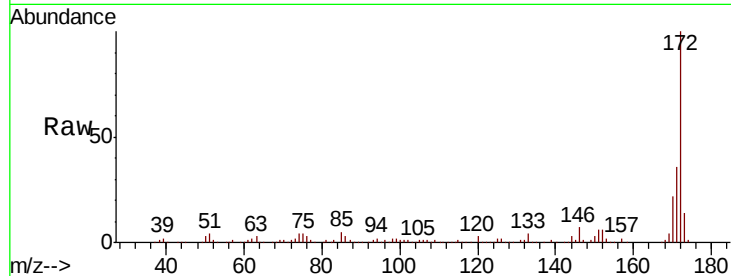
#45
2-Fluorobiphenyl
Concen: 59.154 ng
RT: 13.25 min Scan# 1729
Delta R.T. -0.02 min
Lab File: BG043644.D
Acq: 14 Nov 2019 21:45

Instrument :
BNA_G
ClientSampleId :
STOCK-PILE

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	36.3	28.9	43.3
170	22.3	18.5	27.7

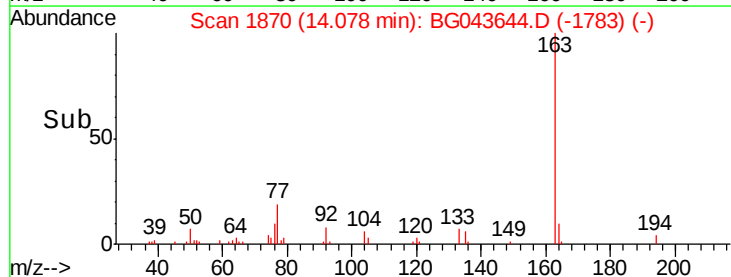
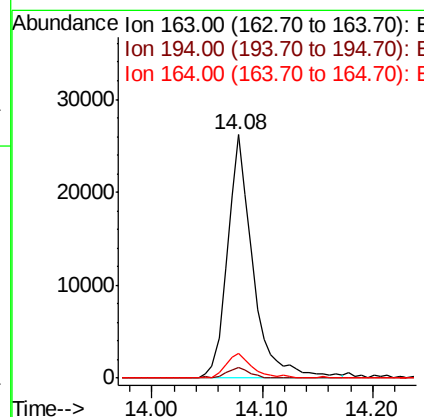
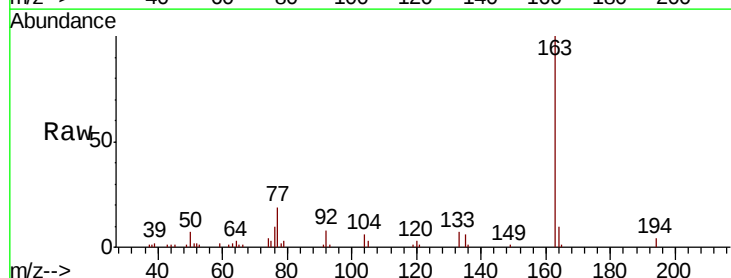
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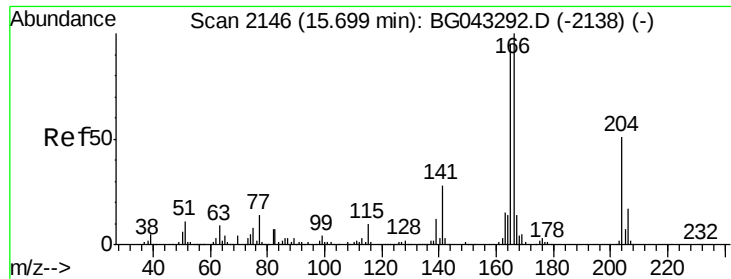
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#50
Dimethylphthalate
Concen: 5.210 ng
RT: 14.08 min Scan# 1870
Delta R.T. -0.02 min
Lab File: BG043644.D
Acq: 14 Nov 2019 21:45

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	4.1	3.8	5.6
164	10.2	8.9	13.3





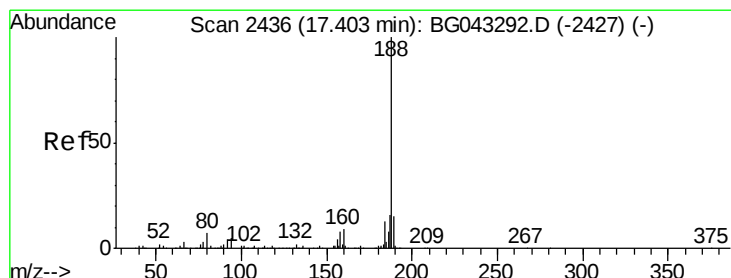
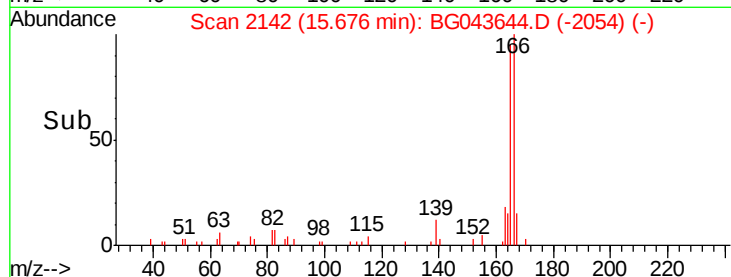
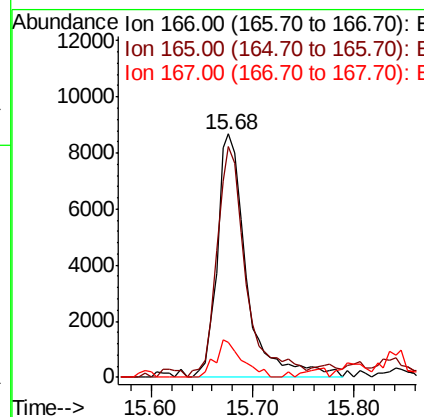
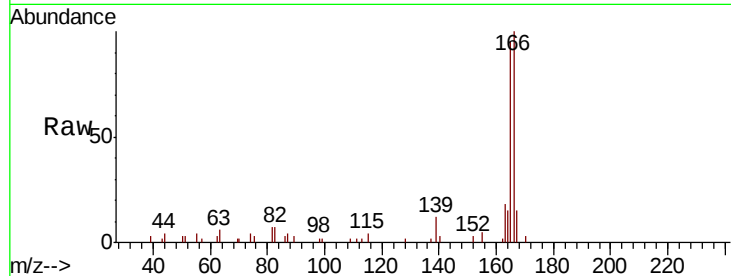
#58
 Fluorene
 Concen: 2.228 ng
 RT: 15.68 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: BG043644.D
 Acq: 14 Nov 2019 21:45

Instrument :
 BNA_G
 ClientSampleId :
 STOCK-PILE

Tot Ion	Ratio	Lower	Upper
166	100		
165	94.7	79.0	118.6
167	14.5	10.5	15.7

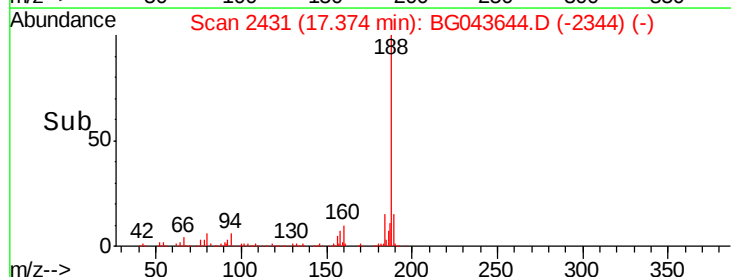
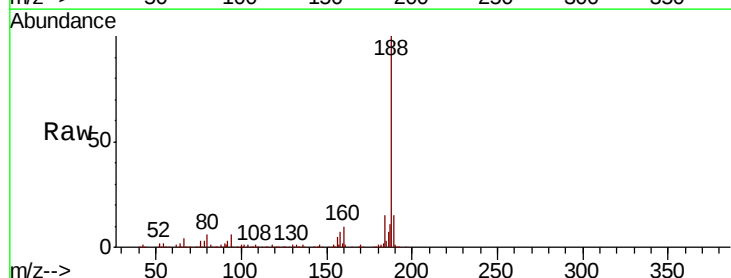
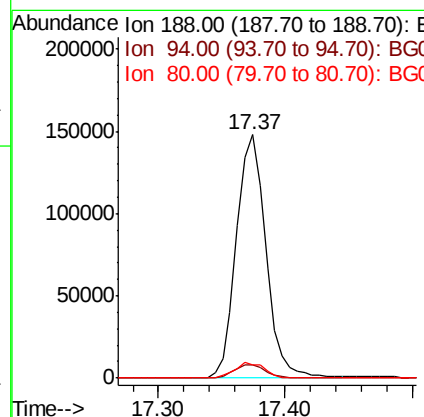
Manual Integrations
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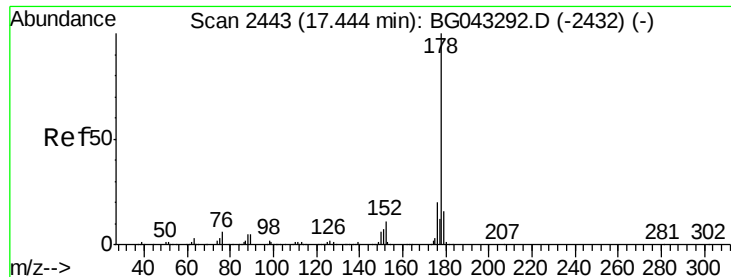
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.37 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BG043644.D
 Acq: 14 Nov 2019 21:45

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.6	4.2	6.4
80	5.7	4.5	6.7





#71

Phenanthrene

Concen: 19.776 ng

RT: 17.42 min Scan# 2438

Delta R.T. -0.02 min

Lab File: BG043644.D

Acq: 14 Nov 2019 21:45

Instrument :

BNA_G

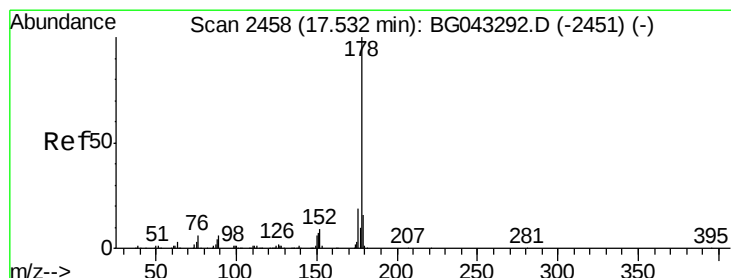
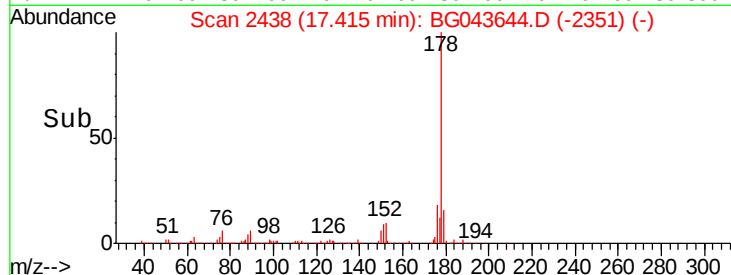
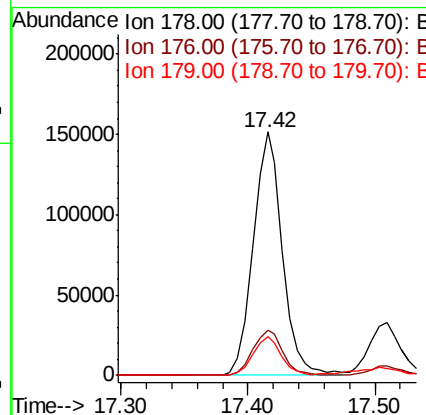
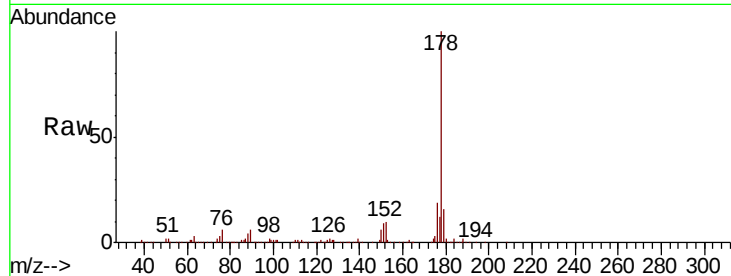
ClientSampleId :

STOCK-PILE

Tot Ion:178	Resp:	241581
Ion Ratio	Lower	Upper
178	100	
176	18.7	15.4 23.0
179	16.2	13.0 19.6

Manual Integrations
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#72

Anthracene

Concen: 4.873 ng m

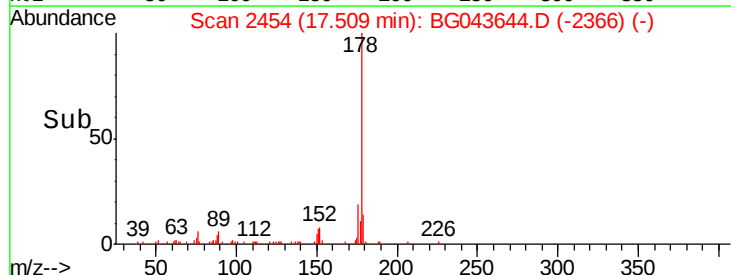
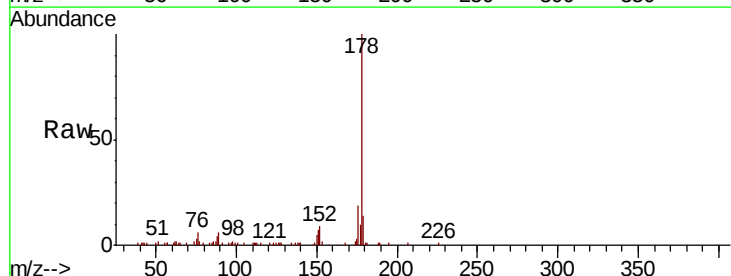
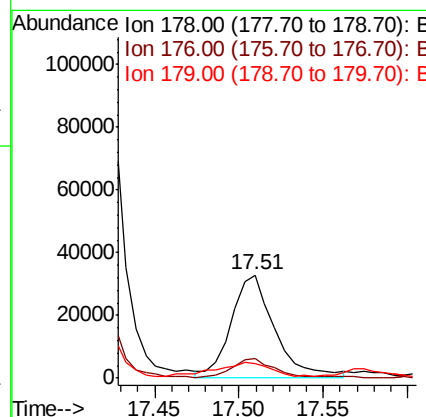
RT: 17.51 min Scan# 2454

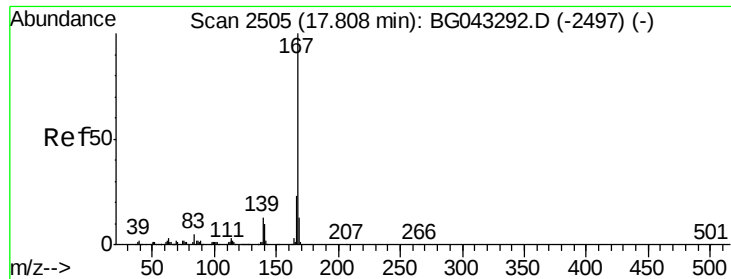
Delta R.T. -0.01 min

Lab File: BG043644.D

Acq: 14 Nov 2019 21:45

Tgt Ion:178	Resp:	59564
Ion Ratio	Lower	Upper
178	100	
176	18.8	15.5 23.3
179	13.5	13.7 20.5#





#73

Carbazole

Concen: 2.187 ng

RT: 17.79 min Scan# 2501

Delta R.T. -0.01 min

Lab File: BG043644.D

Acq: 14 Nov 2019 21:45

Instrument :

BNA_G

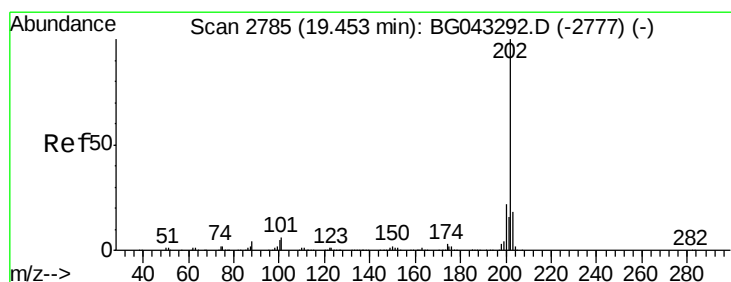
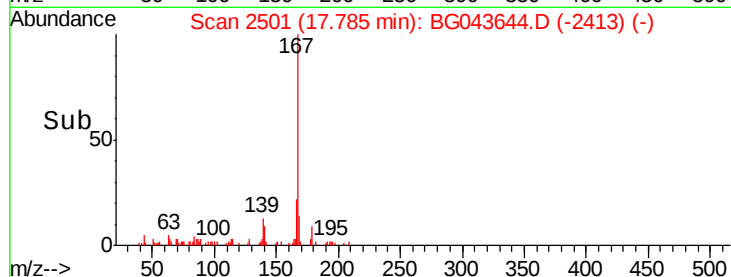
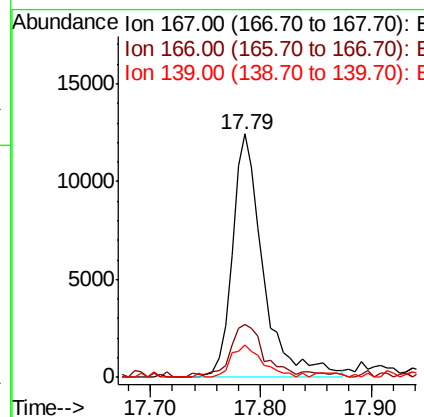
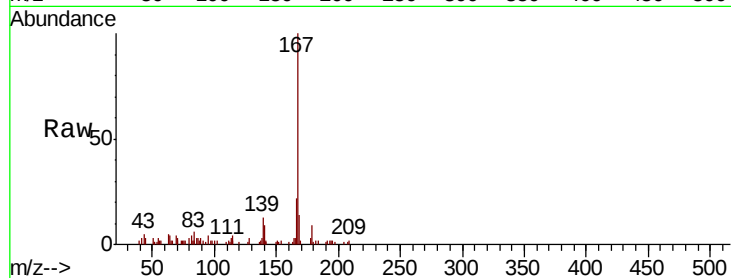
ClientSampleId :

STOCK-PILE

Tot Ion:	167	Resp:	24208
Ion Ratio	Lower	Upper	
167	100		
166	21.8	18.7	28.1
139	13.4	10.0	15.0

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#75

Fluoranthene

Concen: 29.807 ng

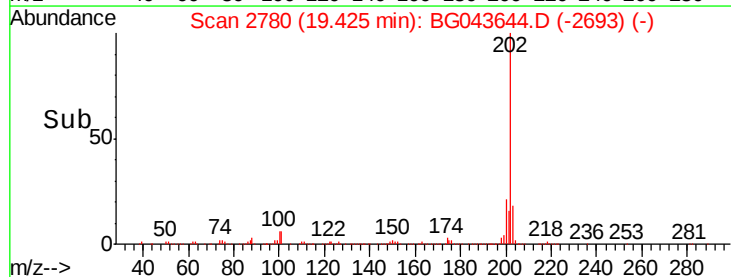
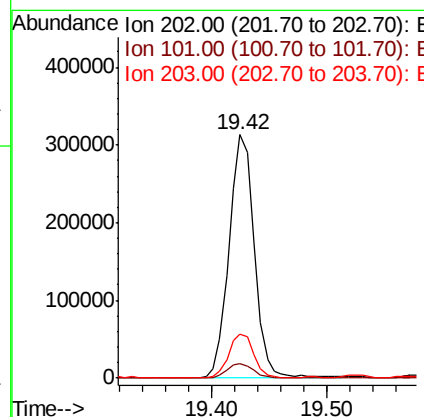
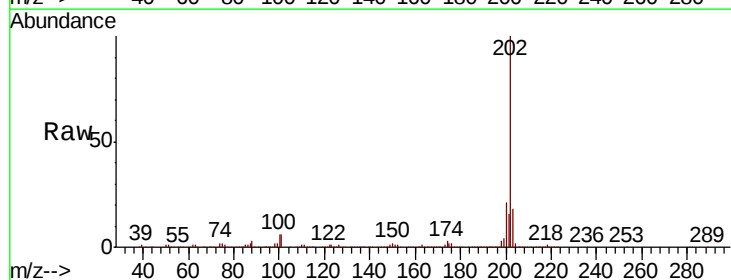
RT: 19.42 min Scan# 2780

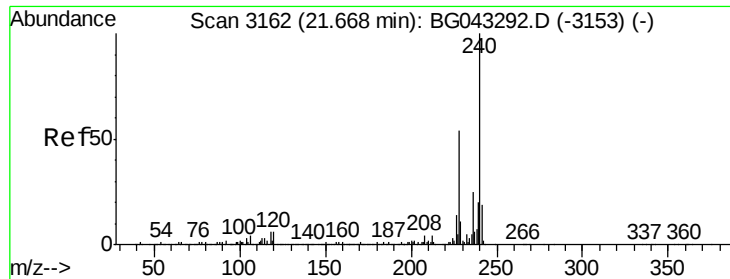
Delta R.T. -0.02 min

Lab File: BG043644.D

Acq: 14 Nov 2019 21:45

Tgt Ion:	202	Resp:	474697
Ion Ratio	Lower	Upper	
202	100		
101	6.1	0.0	26.3
203	18.1	0.0	37.9





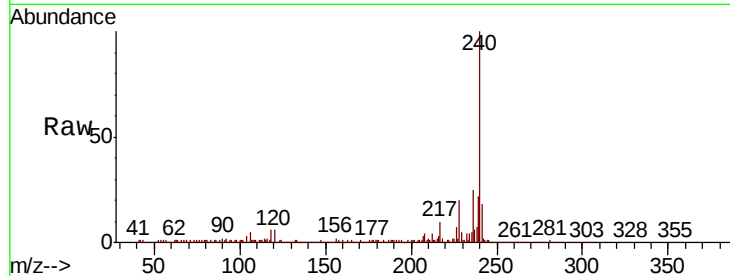
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.64 min Scan# 3157
Delta R.T. -0.02 min
Lab File: BG043644.D
Acq: 14 Nov 2019 21:45

Instrument :
BNA_G
ClientSampleId :
STOCK-PILE

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.1	4.6	6.8
236	25.0	19.8	29.8

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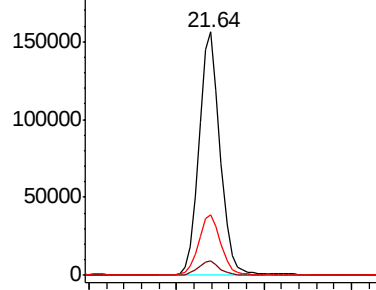


Abundance

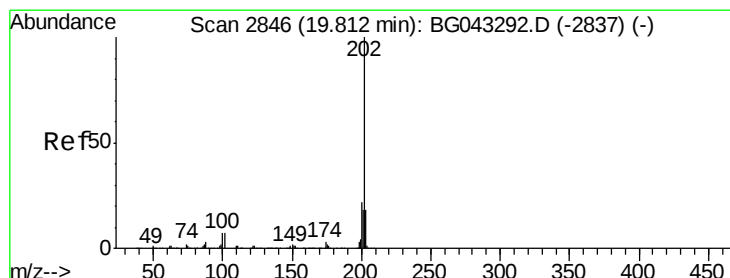
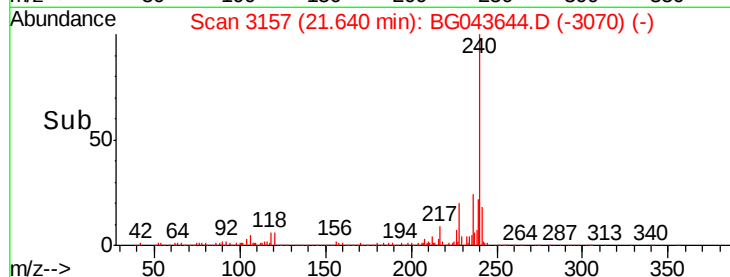
Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

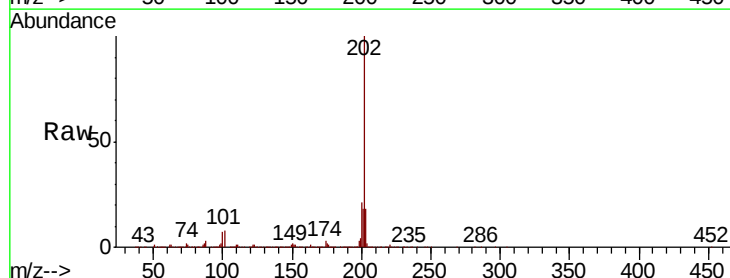


Time--> 21.50 21.60 21.70 21.80



#78
Pyrene
Concen: 26.793 ng
RT: 19.79 min Scan# 2842
Delta R.T. -0.01 min
Lab File: BG043644.D
Acq: 14 Nov 2019 21:45

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.4
203	17.9	14.7	22.1

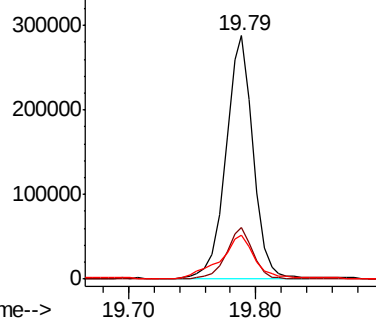


Abundance

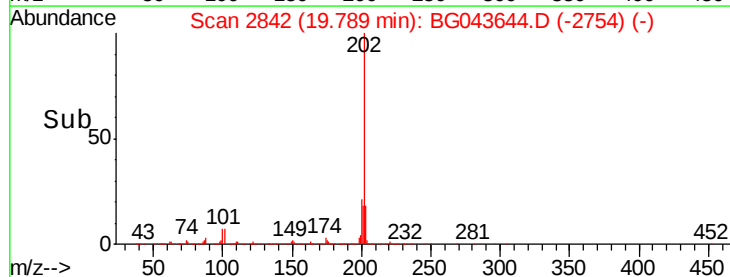
Ion 202.00 (201.70 to 202.70): E

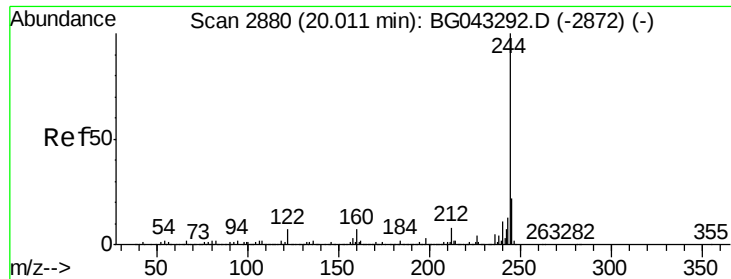
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.70 19.80





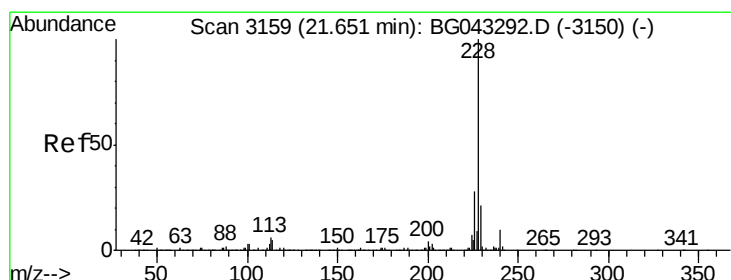
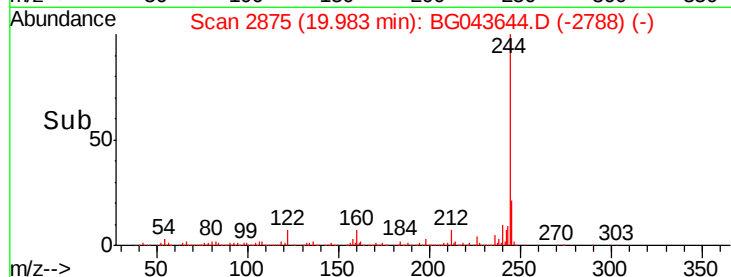
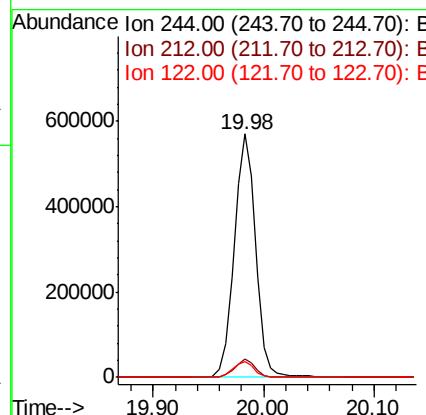
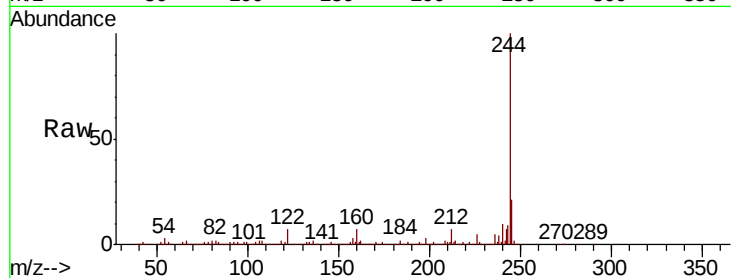
#79
 Terphenyl-d14
 Concen: 56.330 ng
 RT: 19.98 min Scan# 2875
 Delta R.T. -0.02 min
 Lab File: BG043644.D
 Acq: 14 Nov 2019 21:45

Instrument :
 BNA_G
 ClientSampleId :
 STOCK-PILE

Tot Ion:	244	Resp:	775422
Ion Ratio	Lower	Upper	
244	100		
212	7.4	5.8	8.6
122	6.6	5.4	8.2

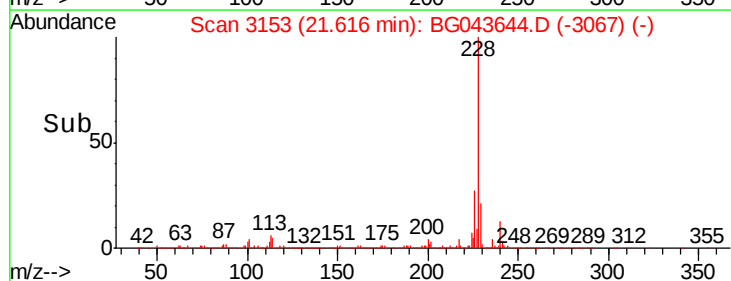
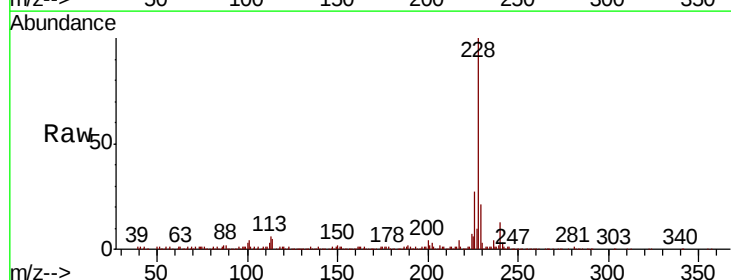
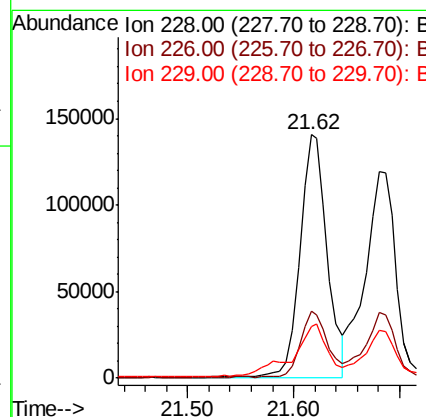
Manual Integrations
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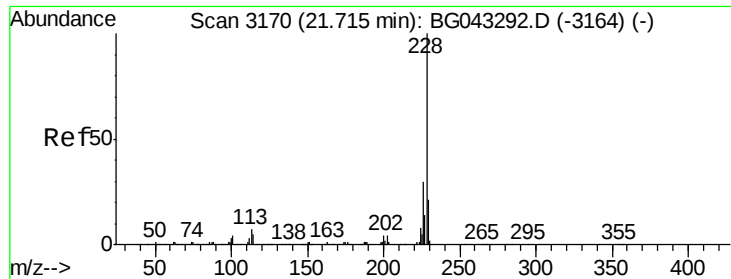
mohammad
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#81
 Benzo(a)anthracene
 Concen: 15.552 ng
 RT: 21.62 min Scan# 3153
 Delta R.T. -0.02 min
 Lab File: BG043644.D
 Acq: 14 Nov 2019 21:45

Tgt Ion:	228	Resp:	251573
Ion Ratio	Lower	Upper	
228	100		
226	27.5	22.2	33.2
229	21.3	17.0	25.4





#83

Chrysene

Concen: 14.889 ng

RT: 21.68 min Scan# 3164

Delta R.T. -0.02 min

Lab File: BG043644.D

Acq: 14 Nov 2019 21:45

Instrument :

BNA_G

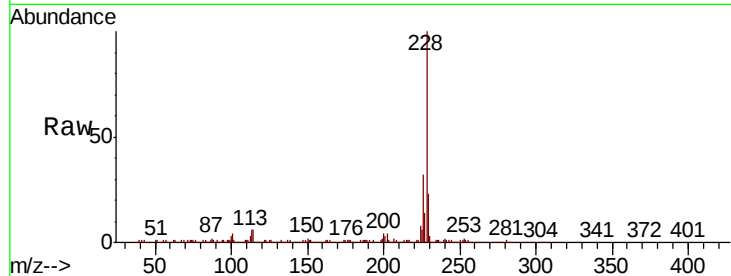
ClientSampleId :

STOCK-PILE

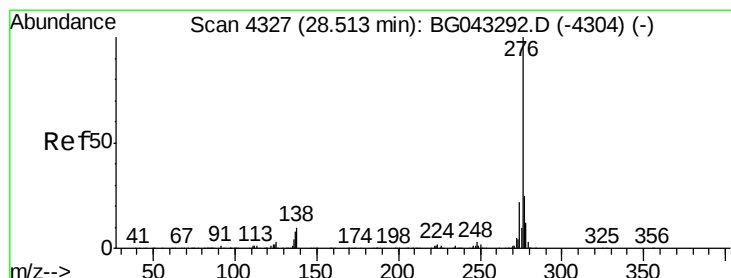
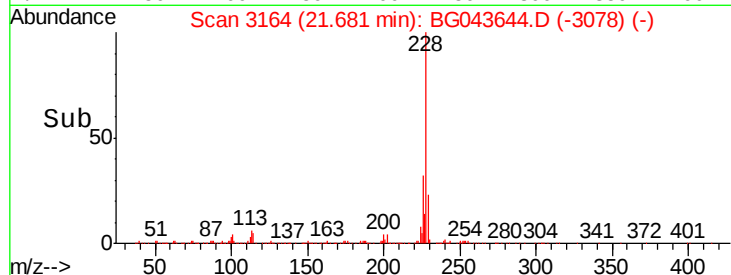
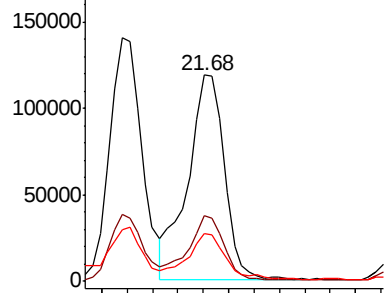
Tot Ion:	228	Resp:	239308
Ion Ratio	Lower	Upper	
228	100		
226	31.9	25.1	37.7
229	23.0	17.0	25.4

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 10.586 ng

RT: 28.46 min Scan# 4317

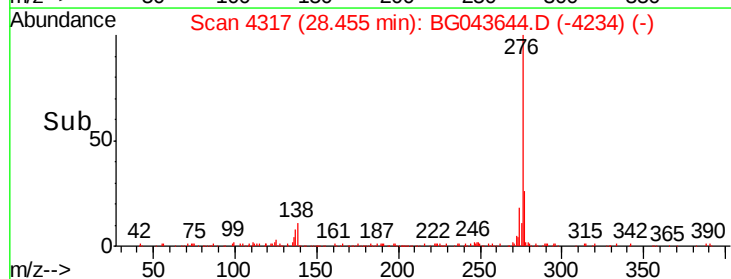
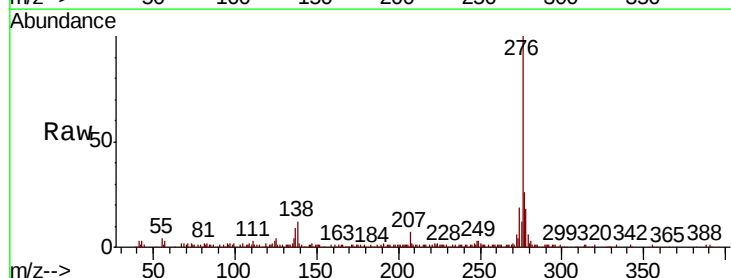
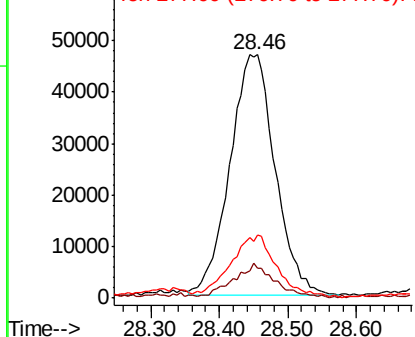
Delta R.T. -0.04 min

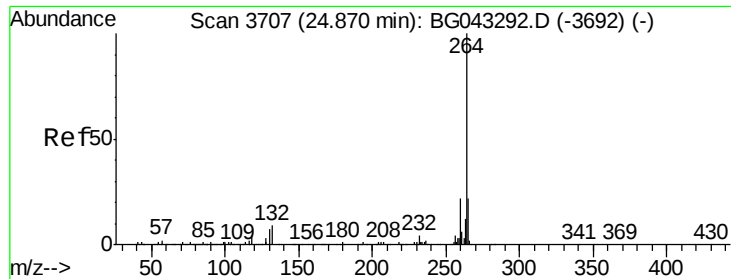
Lab File: BG043644.D

Acq: 14 Nov 2019 21:45

Tgt Ion:	276	Resp:	213570
Ion Ratio	Lower	Upper	
276	100		
138	12.3	6.8	10.2#
277	26.3	20.9	31.3

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

Pervlene-d12

Concen: 20.000 ng

RT: 24.82 min Scan# 3699

Delta R.T. -0.03 min

Lab File: BG043644.D

Acq: 14 Nov 2019 21:45

Instrument :

BNA_G

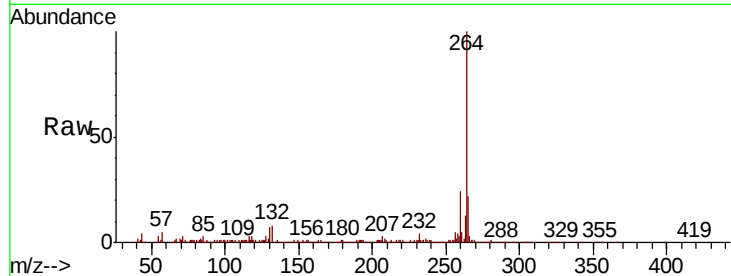
ClientSampled :

STOCK-PILE

Tot Ion:	264	Resp:	304634
Ion Ratio		Lower	Upper
264	100		
260	24.4	17.5	26.3
265	21.9	17.4	26.0

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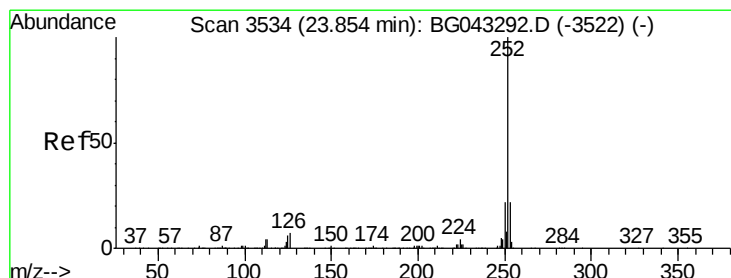
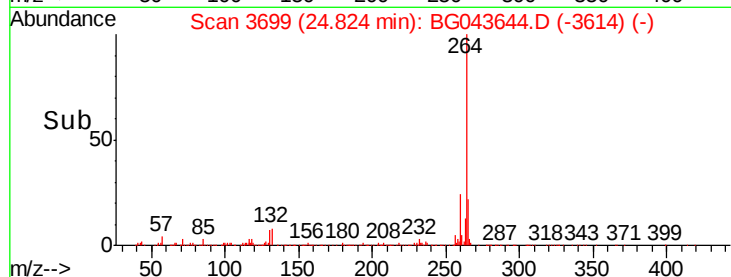
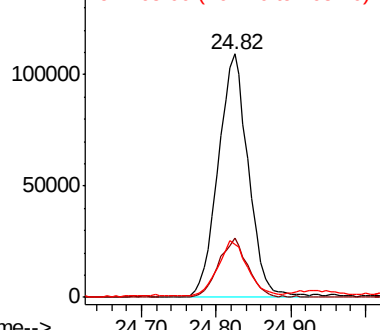


Abundance

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: 20.785 ng

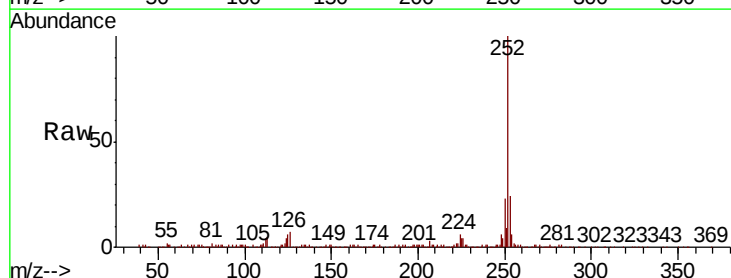
RT: 23.81 min Scan# 3527

Delta R.T. -0.03 min

Lab File: BG043644.D

Acq: 14 Nov 2019 21:45

Tgt Ion:	252	Resp:	358610
Ion Ratio		Lower	Upper
252	100		
253	23.8	17.7	26.5
125	5.6	4.5	6.7

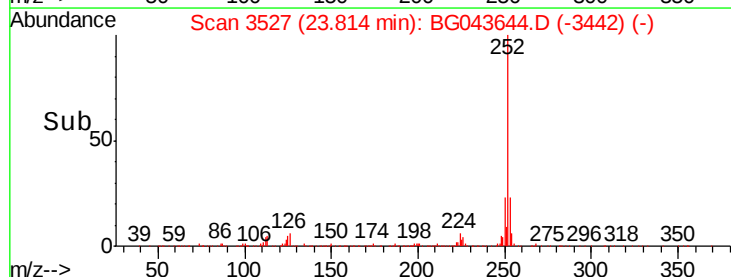
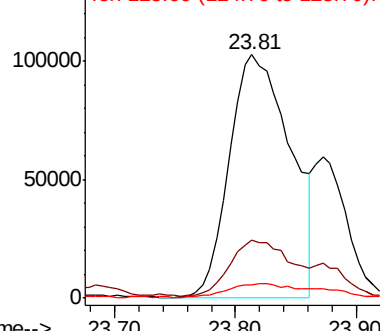


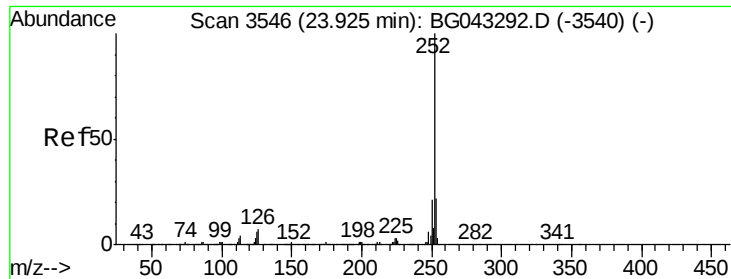
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





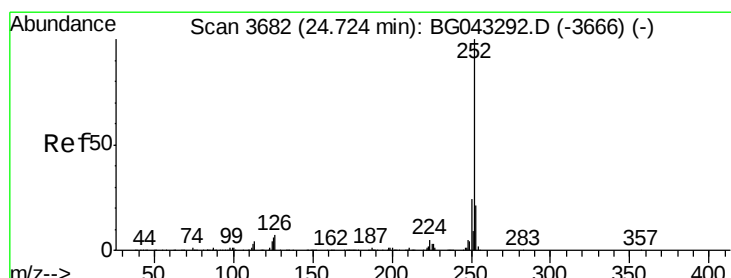
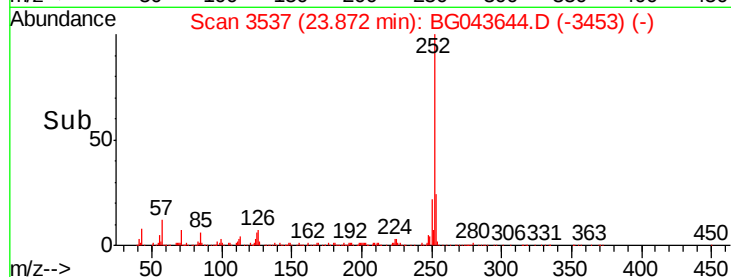
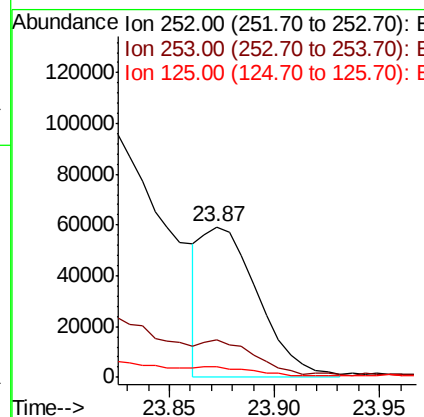
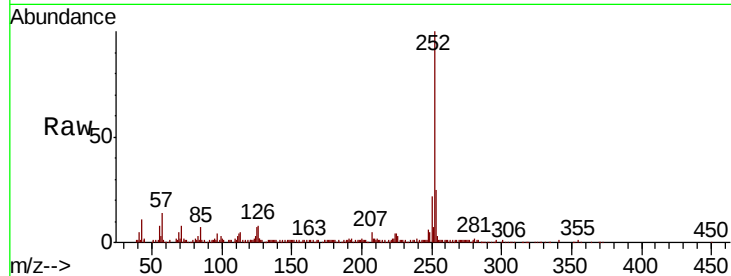
#89
Benzo(k)fluoranthene
Concen: 6.442 ng m
RT: 23.87 min Scan# 3537
Delta R.T. -0.03 min
Lab File: BG043644.D
Acq: 14 Nov 2019 21:45

Instrument :
BNA_G
ClientSampleId :
STOCK-PILE

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.3	25.9
125	6.7	4.6	6.8

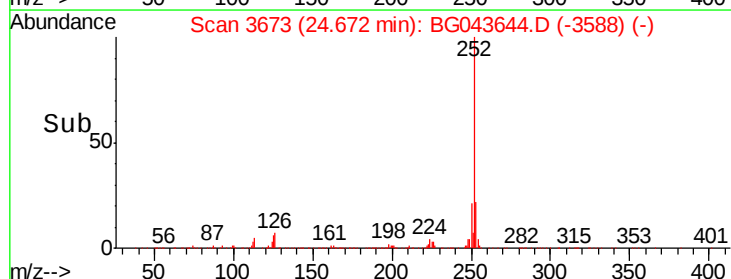
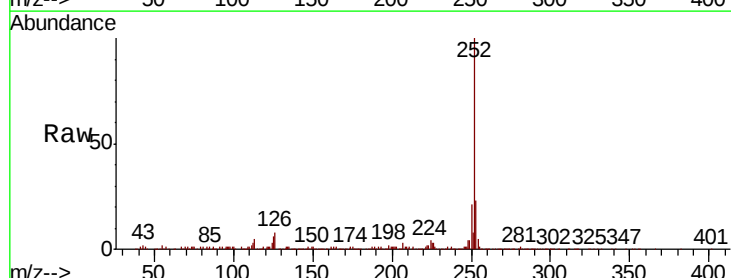
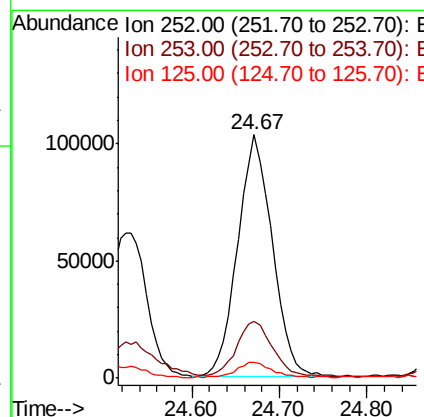
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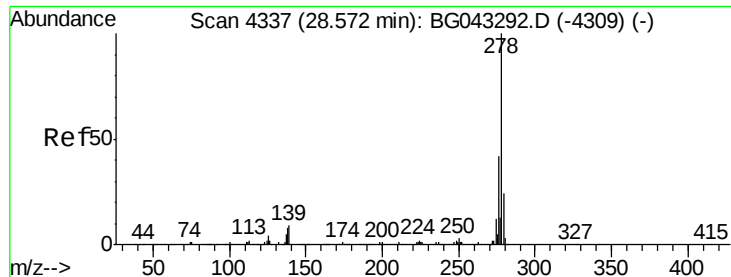
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#90
Benzo(a)pyrene
Concen: 16.720 ng
RT: 24.67 min Scan# 3673
Delta R.T. -0.03 min
Lab File: BG043644.D
Acq: 14 Nov 2019 21:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	6.3	5.4	8.2





#91

Dibenzo(a,h)anthracene

Concen: 3.172 ng

RT: 28.48 min Scan# 4321

Delta R.T. -0.08 min

Lab File: BG043644.D

Acq: 14 Nov 2019 21:45

Instrument :

BNA_G

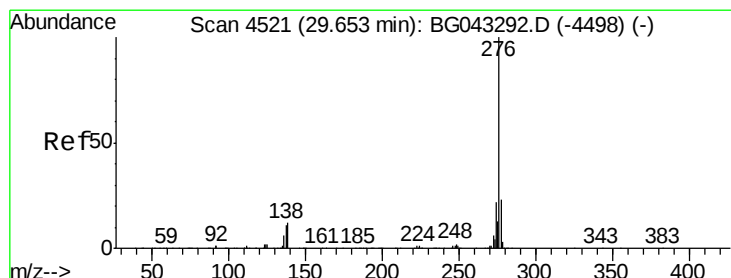
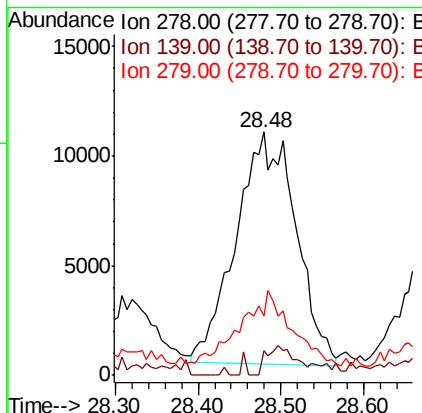
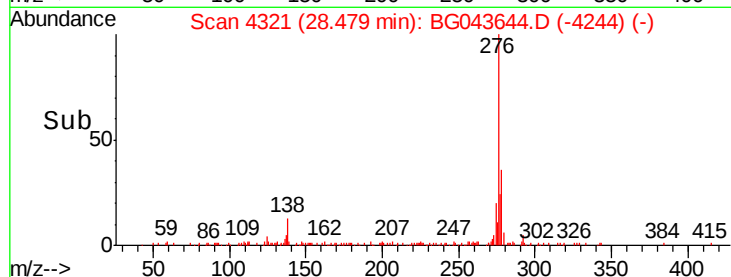
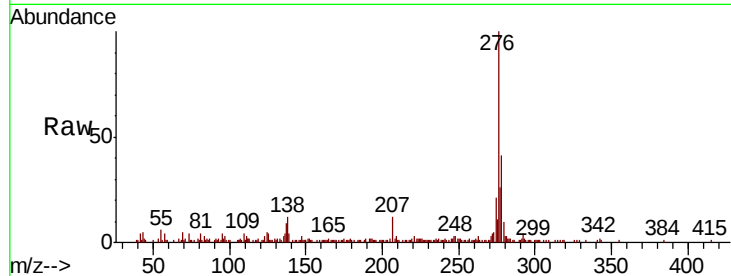
ClientSampled :

STOCK-PILE

Tot Ion:	278	Resp:	53456
Ion Ratio	Lower	Upper	
278	100		
139	9.9	7.4	11.0
279	24.4	19.1	28.7

Manual Integrations
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#92

Benzo(g,h,i)perylene

Concen: 12.750 ng

RT: 29.58 min Scan# 4509

Delta R.T. -0.05 min

Lab File: BG043644.D

Acq: 14 Nov 2019 21:45

Tgt Ion:	276	Resp:	211951
Ion Ratio	Lower	Upper	
276	100		
277	22.5	18.9	28.3
138	11.4	8.9	13.3

