

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
 Data File : BG040847.D
 Acq On : 10 May 2019 12:11
 Operator : HP/JU
 Sample : K2764-15
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P026-SS001-1824-01

Manual Integrations
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 5/13/2019 8:39:11 PM

Quant Time: May 10 15:35:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	61091	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	263367	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	188567	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	455077	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	436963	20.00	ng	-0.03
87) Perylene-d12	25.15	264	468434	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	496655	143.31	ng	0.00
7) Phenol-d6	7.28	99	750336	140.62	ng	-0.01
23) Nitrobenzene-d5	9.32	82	522951	91.75	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	365869	141.16	ng	-0.02
45) 2-Fluorobiphenyl	13.40	172	978929	74.97	ng	-0.02
79) Terphenyl-d14	20.11	244	1520777	77.10	ng	-0.02
Target Compounds						
50) Dimethylphthalate	14.21	163	98775	6.261	ng	99
71) Phenanthrene	17.56	178	122202	4.985	ng	96
75) Fluoranthene	19.56	202	299107	9.792	ng	95
78) Pyrene	19.92	202	562836	20.551	ng	99
81) Benzo(a)anthracene	21.78	228	194434	7.041	ng	99
83) Chrysene	21.84	228	241148	9.182	ng	98
86) Indeno(1,2,3-cd)pyrene	28.99	276	111678	3.517	ng	# 87
88) Benzo(b)fluoranthene	24.09	252	232621	8.126	ng	96
89) Benzo(k)fluoranthene	24.15	252	67306m	2.518	ng	
90) Benzo(a)pyrene	24.99	252	142038m	5.242	ng	
92) Benzo(g,h,i)perylene	30.22	276	129744	4.754	ng	97

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

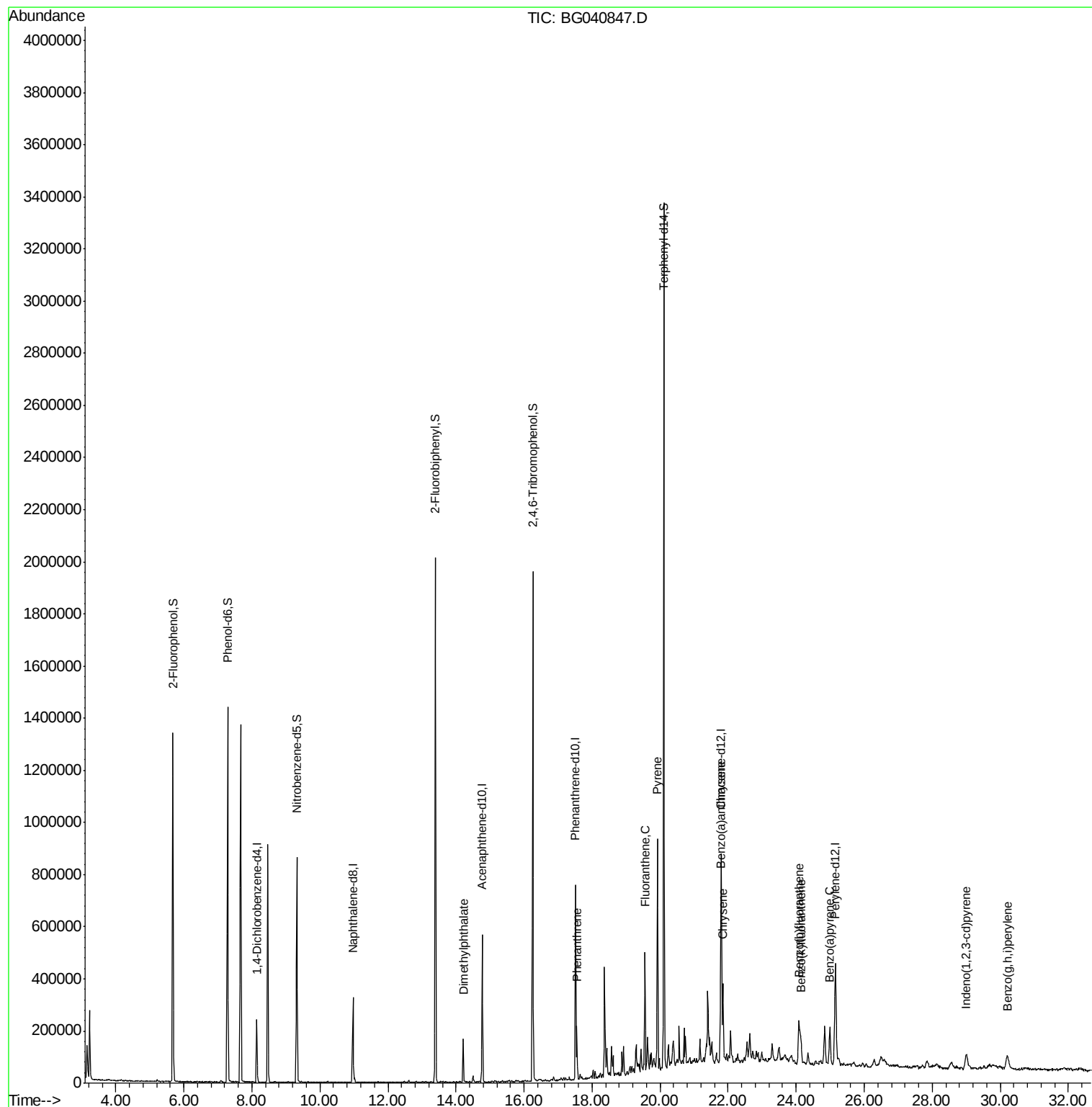
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
Data File : BG040847.D
Acq On : 10 May 2019 12:11
Operator : HP/JU
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Misc :
ALS Vial : 26 Sample Multiplier: 1

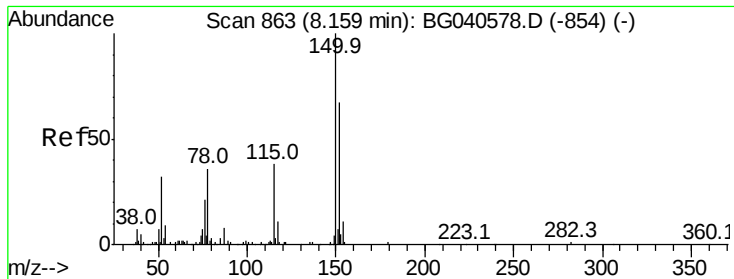
Instrument :
BNA_G
ClientSampleId :
P026-SS001-1824-01

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Quant Time: May 10 15:35:58 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
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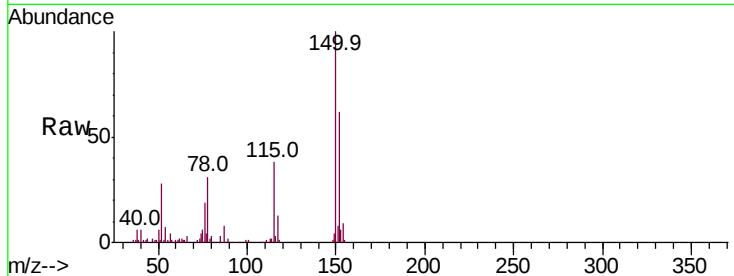
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.14 min Scan# 860
 Delta R.T. -0.02 min
 Lab File: BG040847.D
 Acq: 10 May 2019 12:11

Instrument :
 BNA_G
 ClientSampleId :
 P026-SS001-1824-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	120.2	180.2
115	60.9	46.2	69.2

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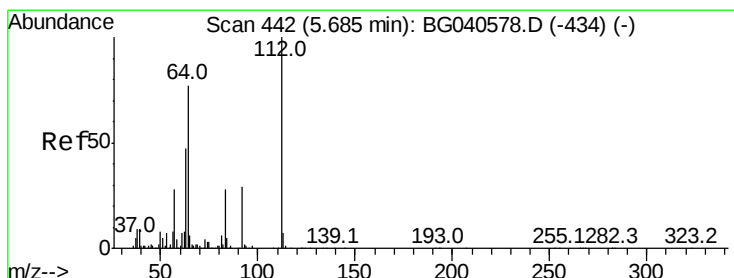
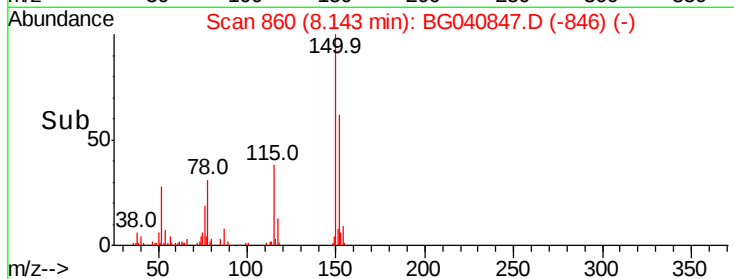
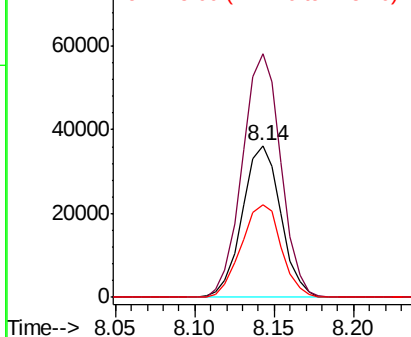


Abundance

Ion 152.00 (151.70 to 152.70): E

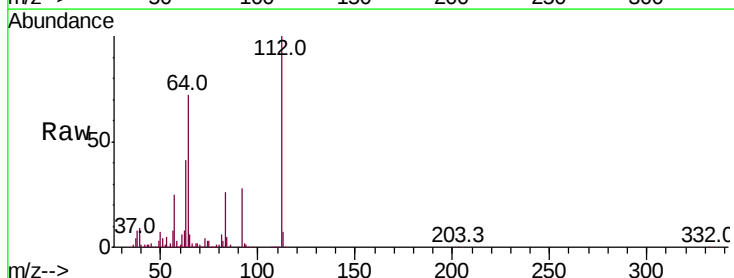
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 143.309 ng
 RT: 5.67 min Scan# 440
 Delta R.T. -0.01 min
 Lab File: BG040847.D
 Acq: 10 May 2019 12:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.3	61.4	92.0
63	40.5	37.8	56.6

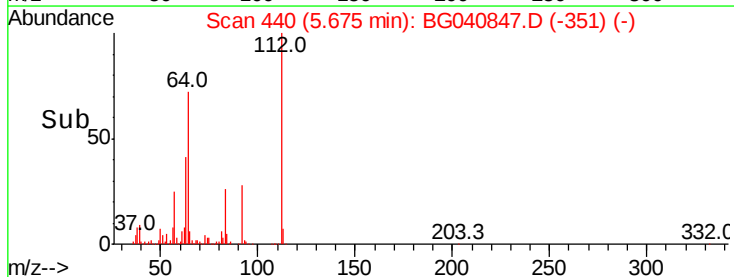
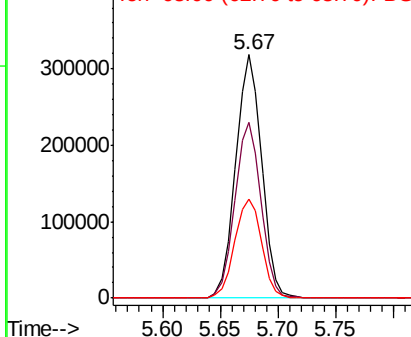


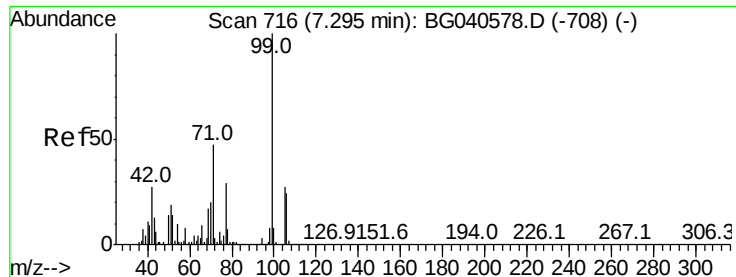
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 140.615 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040847.D

Acq: 10 May 2019 12:11

Instrument :

BNA_G

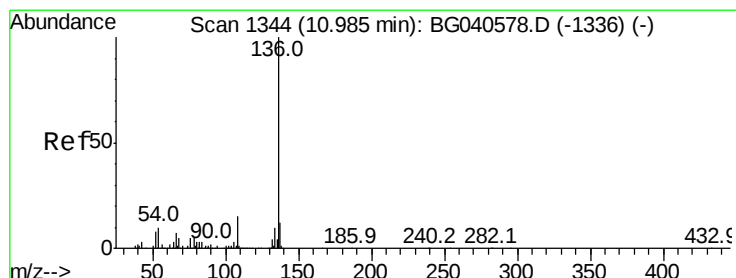
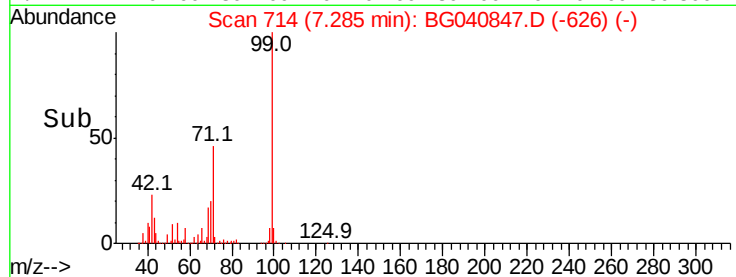
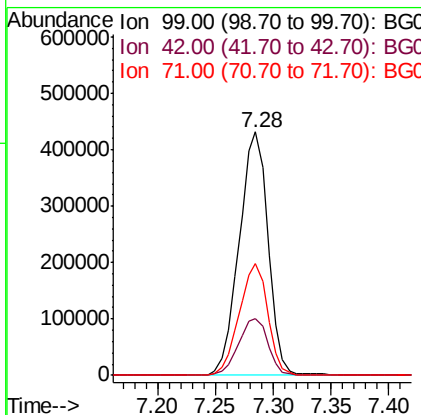
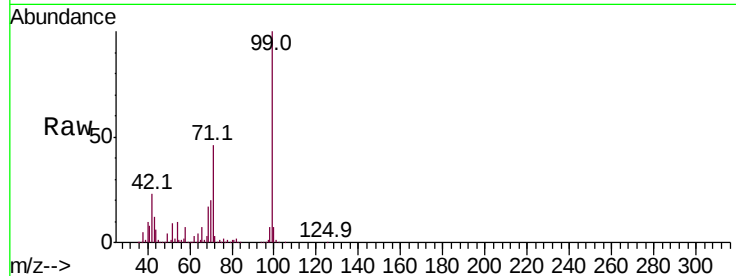
ClientSampleId :

P026-SS001-1824-01

Tot Ion:	99	Resp:	750336
Ion Ratio	Lower	Upper	
99	100		
42	23.2	21.8	32.8
71	45.9	38.6	57.8

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#21

Naphthalene-d8

Concen: 20.000 ng

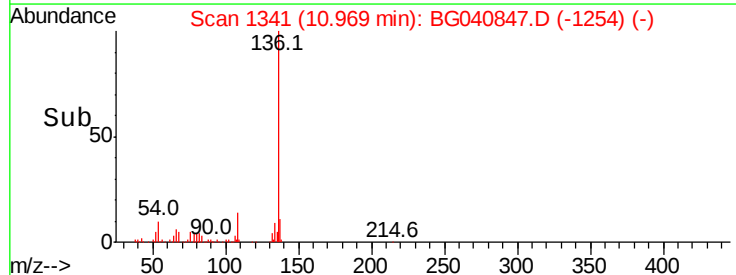
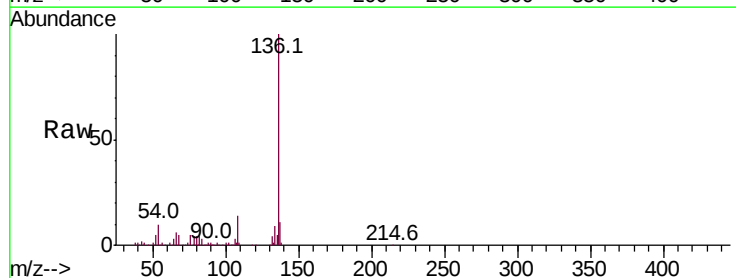
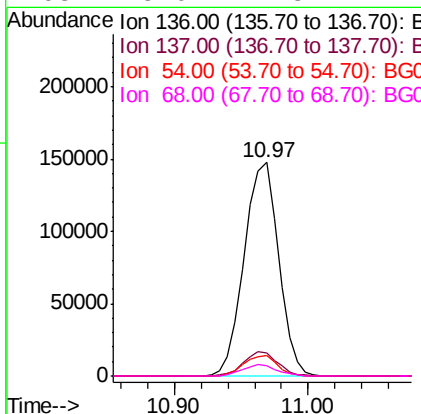
RT: 10.97 min Scan# 1341

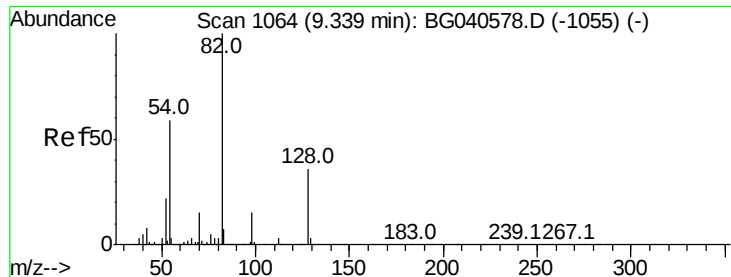
Delta R.T. -0.02 min

Lab File: BG040847.D

Acq: 10 May 2019 12:11

Tgt Ion:	136	Resp:	263367
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.7	14.5
54	9.9	8.6	12.8
68	5.0	4.8	7.2





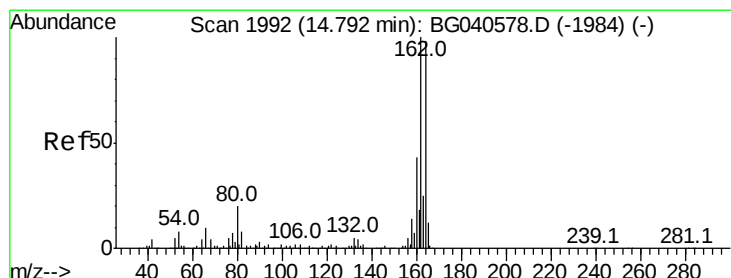
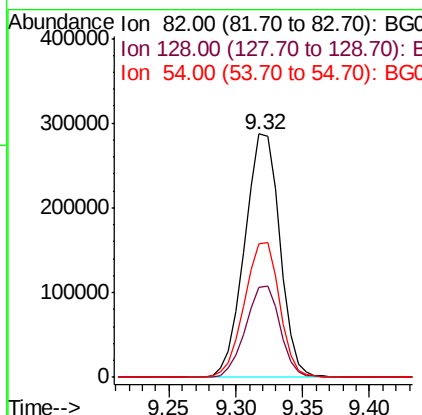
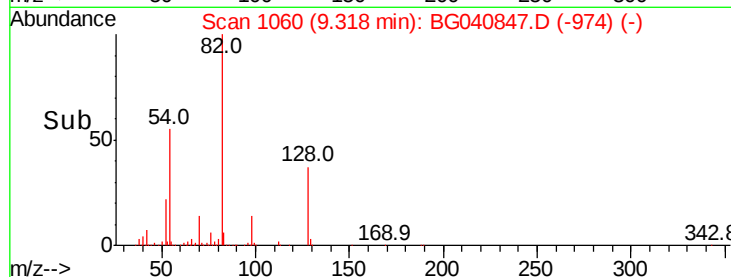
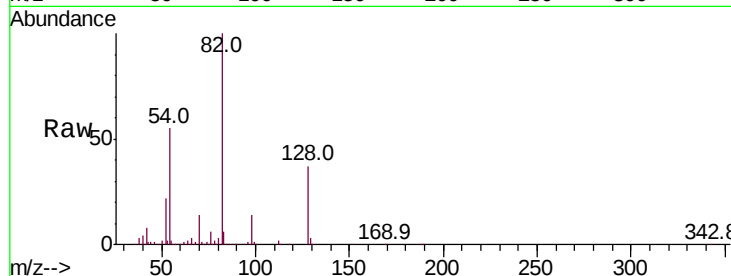
#23
Nitrobenzene-d5
Concen: 91.749 ng
RT: 9.32 min Scan# 1060
Delta R.T. -0.02 min
Lab File: BG040847.D
Acq: 10 May 2019 12:11

Instrument :
BNA_G
ClientSampleId :
P026-SS001-1824-01

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	37.1	28.9	43.3	
54	55.0	47.2	70.8	

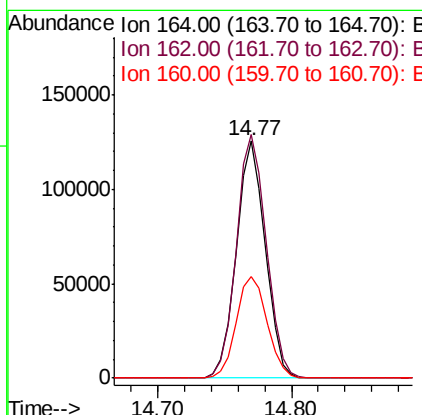
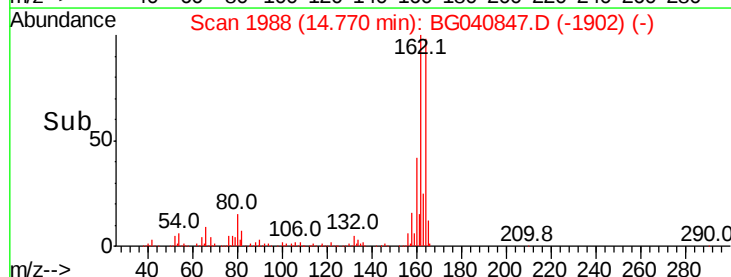
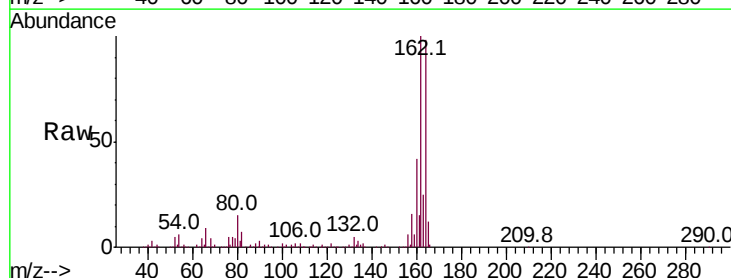
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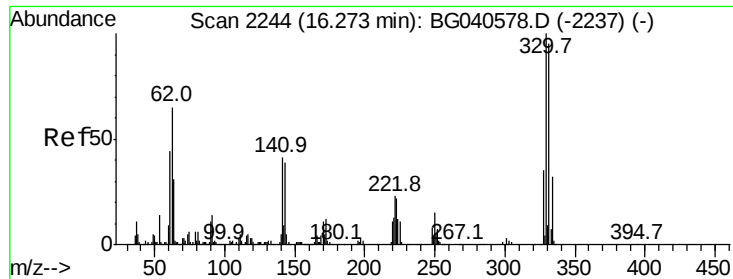
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.02 min
Lab File: BG040847.D
Acq: 10 May 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.4	81.9	122.9	
160	42.9	35.4	53.2	





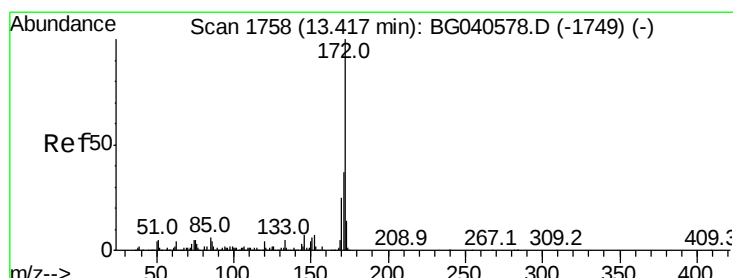
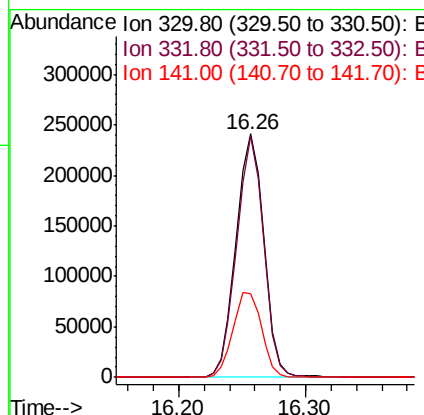
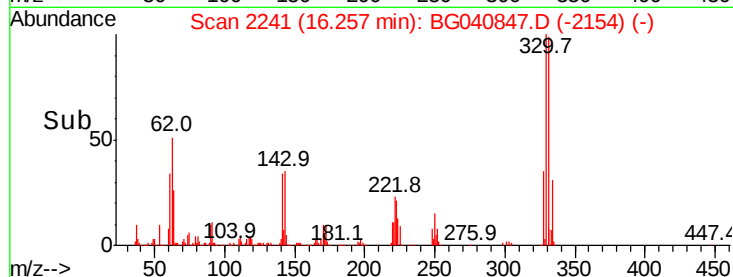
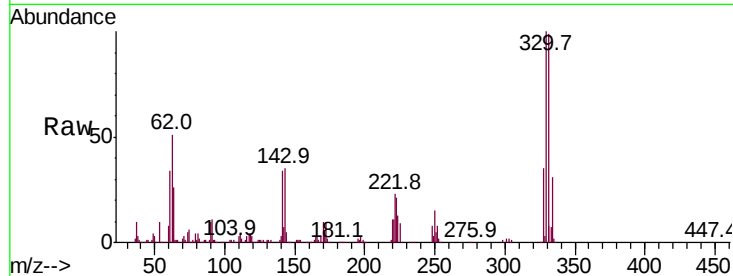
#42
 2,4,6-Tribromophenol
 Concen: 141.159 ng
 RT: 16.26 min Scan# 2241
 Delta R.T. -0.02 min
 Lab File: BG040847.D
 Acq: 10 May 2019 12:11

Instrument :
 BNA_G
 ClientSampleId :
 P026-SS001-1824-01

Tot Ion:	330	Resp:	365869
Ion Ratio	Lower	Upper	
330	100		
332	96.3	75.9	113.9
141	36.0	32.4	48.6

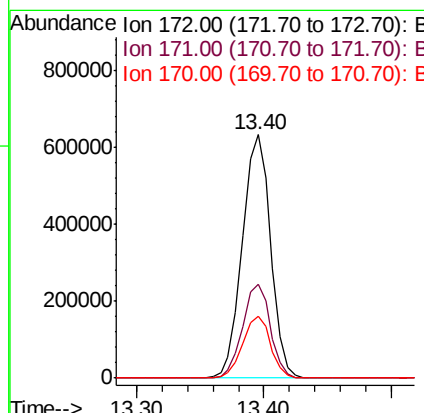
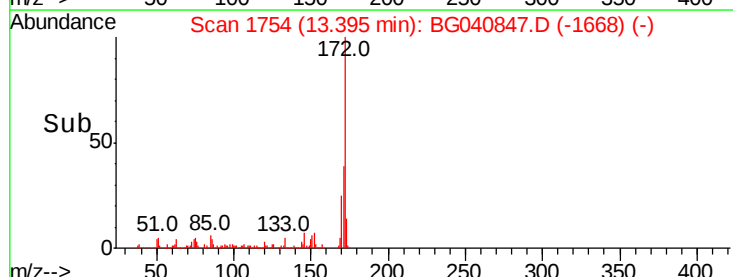
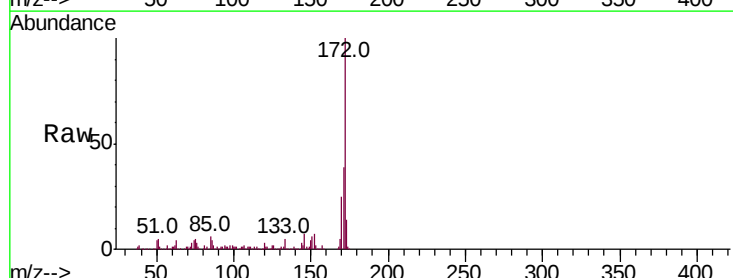
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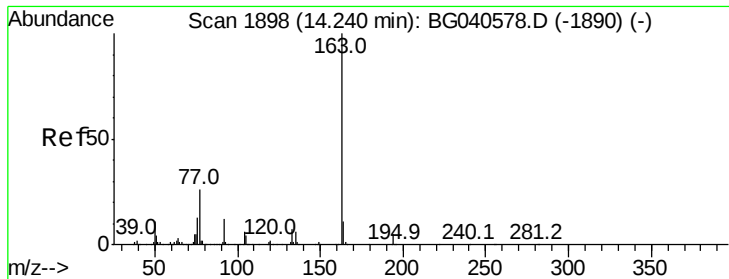
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#45
 2-Fluorobiphenyl
 Concen: 74.974 ng
 RT: 13.40 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040847.D
 Acq: 10 May 2019 12:11

Tgt Ion:	172	Resp:	978929
Ion Ratio	Lower	Upper	
172	100		
171	38.8	29.4	44.2
170	25.4	19.9	29.9





#50

Dimethylphthalate

Concen: 6.261 ng

RT: 14.21 min Scan# 1893

Delta R.T. -0.03 min

Lab File: BG040847.D

Acq: 10 May 2019 12:11

Instrument :

BNA_G

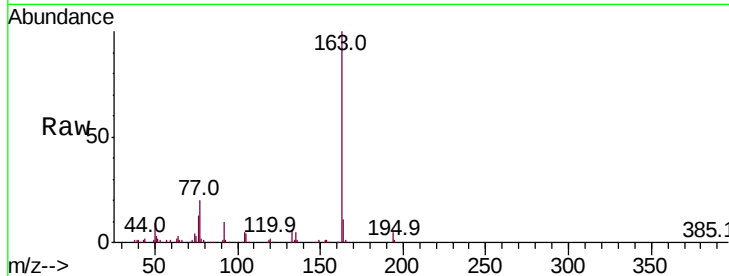
ClientSampleId :

P026-SS001-1824-01

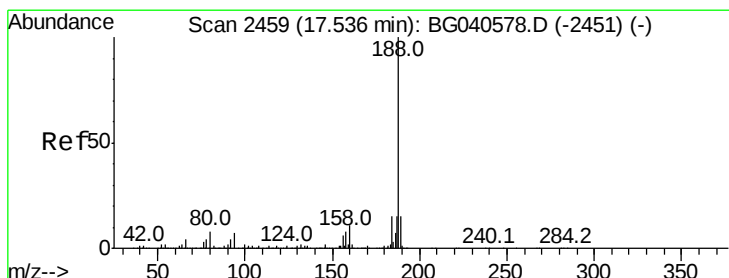
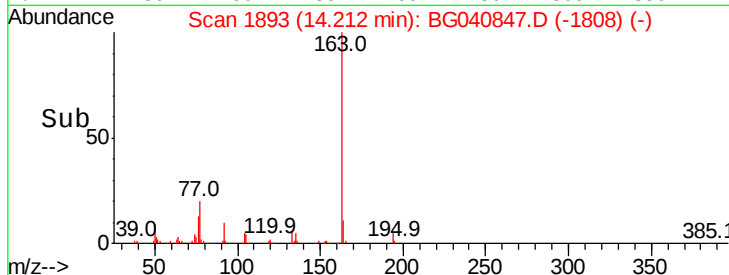
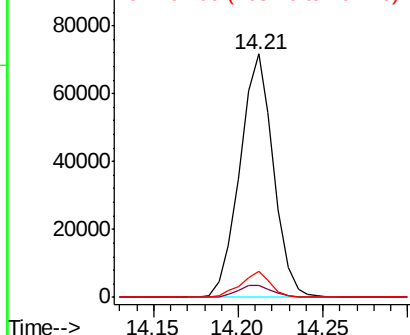
Tot Ion:	163	Resp:	98775
Ion Ratio	Lower	Upper	
163	100		
194	4.8	3.8	5.8
164	10.6	8.8	13.2

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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



#64

Phenanthrene-d10

Concen: 20.000 ng

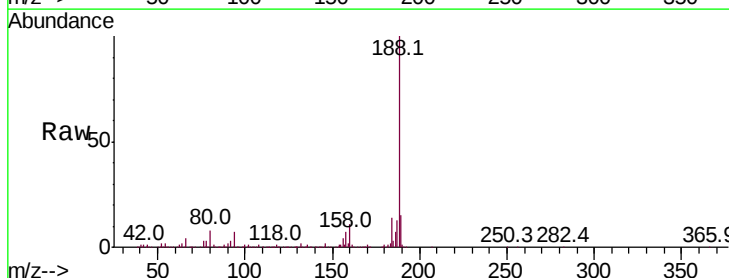
RT: 17.51 min Scan# 2455

Delta R.T. -0.02 min

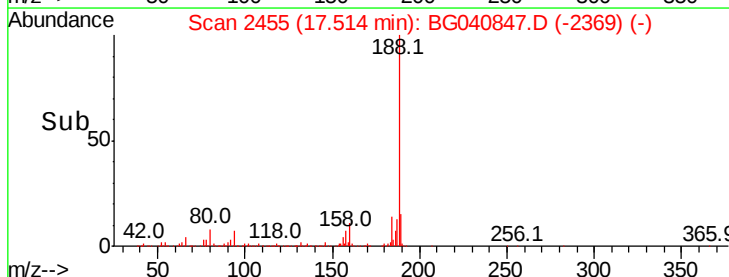
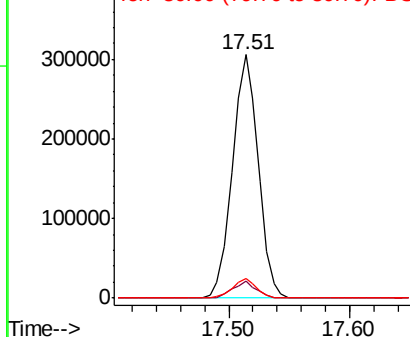
Lab File: BG040847.D

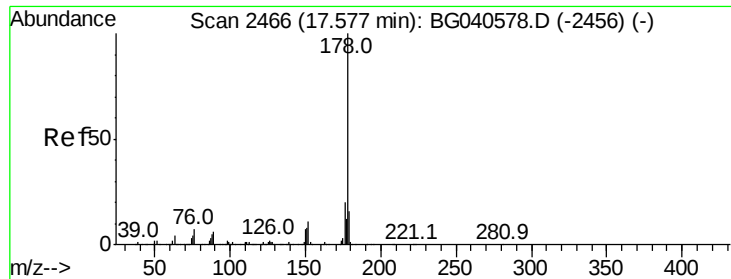
Acq: 10 May 2019 12:11

Tgt Ion:	188	Resp:	455077
Ion Ratio	Lower	Upper	
188	100		
94	6.8	5.6	8.4
80	7.9	6.4	9.6



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC





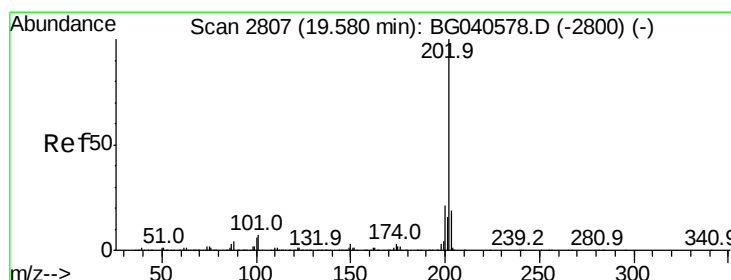
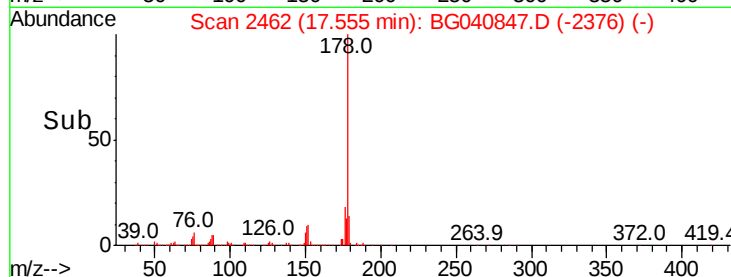
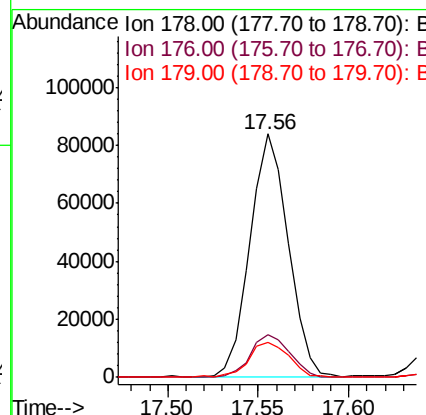
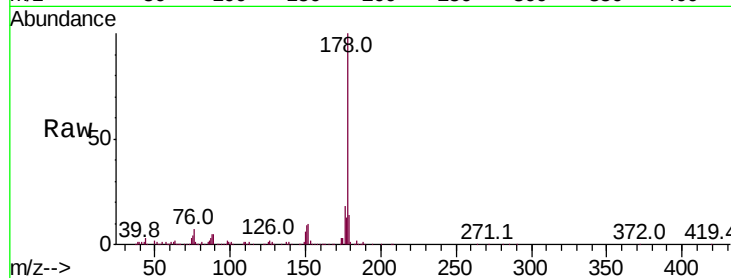
#71
Phenanthrene
Concen: 4.985 ng
RT: 17.56 min Scan# 2462
Delta R.T. -0.02 min
Lab File: BG040847.D
Acq: 10 May 2019 12:11

Instrument :
BNA_G
ClientSampleId :
P026-SS001-1824-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.8	23.6
179	14.3	12.6	18.8

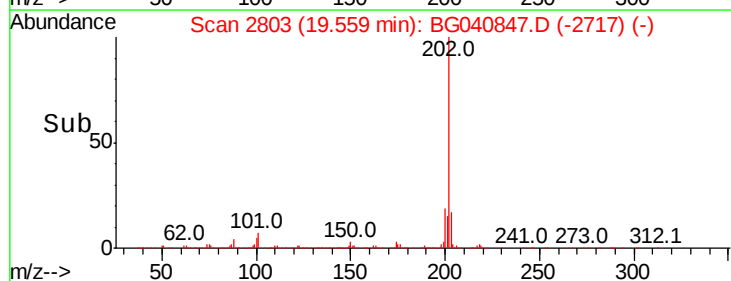
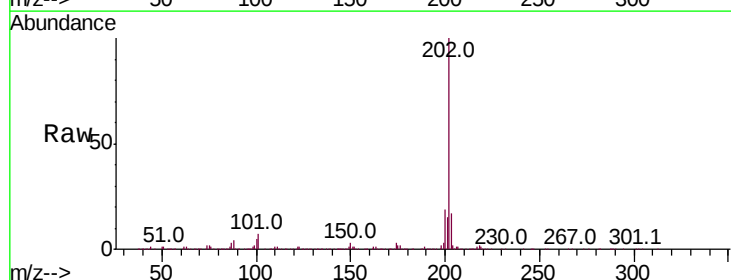
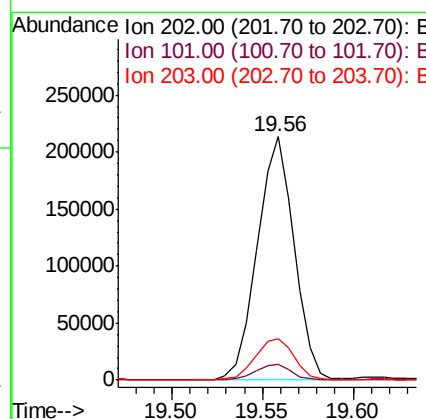
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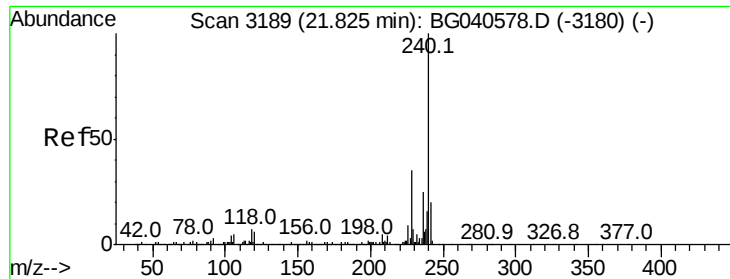
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#75
Fluoranthene
Concen: 9.792 ng
RT: 19.56 min Scan# 2803
Delta R.T. -0.02 min
Lab File: BG040847.D
Acq: 10 May 2019 12:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.7	0.0	27.5
203	16.8	0.0	39.3





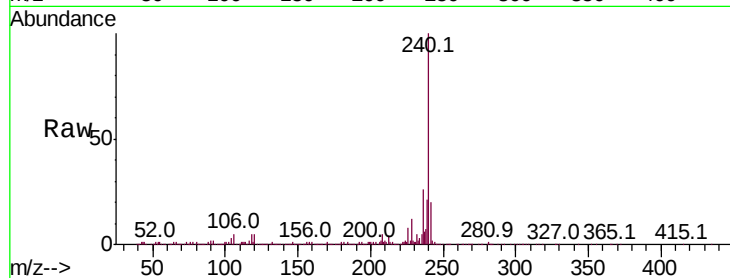
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3184
Delta R.T. -0.03 min
Lab File: BG040847.D
Acq: 10 May 2019 12:11

Instrument :
BNA_G
ClientSampleId :
P026-SS001-1824-01

Tot Ion	Ratio	Lower	Upper
240	100		
120	5.5	5.0	7.6
236	26.4	20.3	30.5

Manual Integrations
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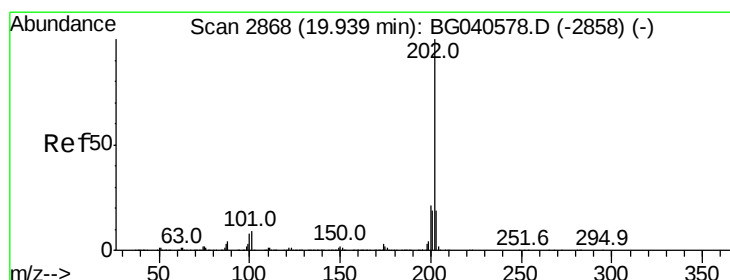
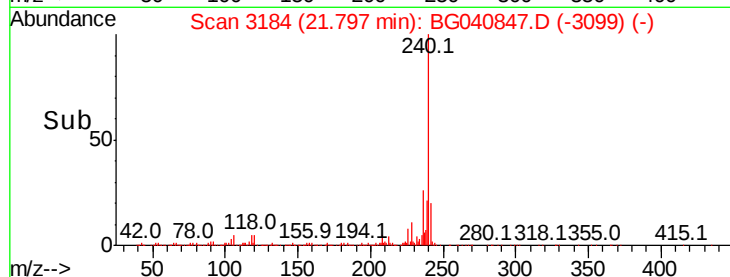
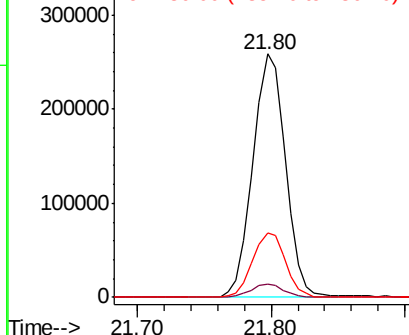


Abundance

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



#78
Pyrene
Concen: 20.551 ng
RT: 19.92 min Scan# 2865
Delta R.T. -0.02 min
Lab File: BG040847.D
Acq: 10 May 2019 12:11

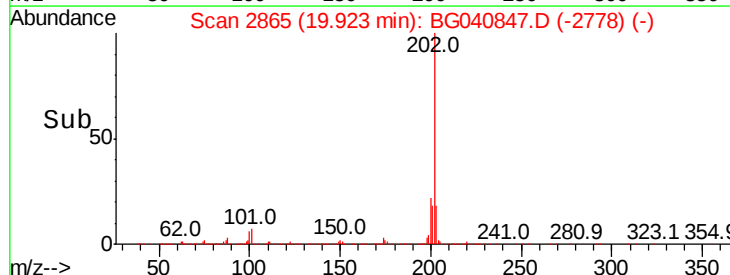
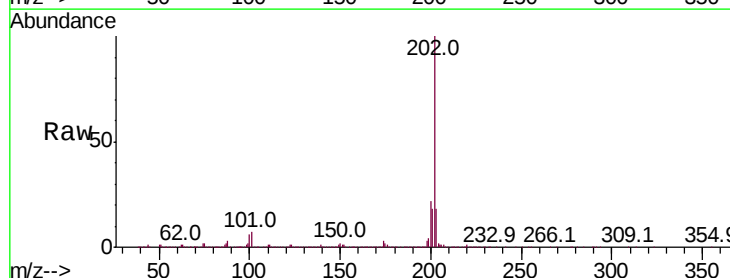
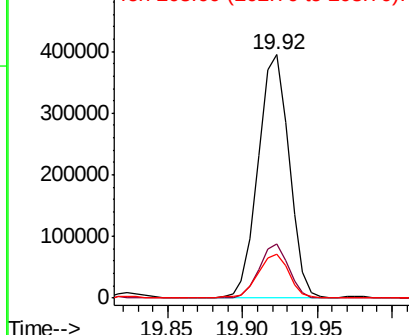
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.2	25.8
203	18.3	15.0	22.4

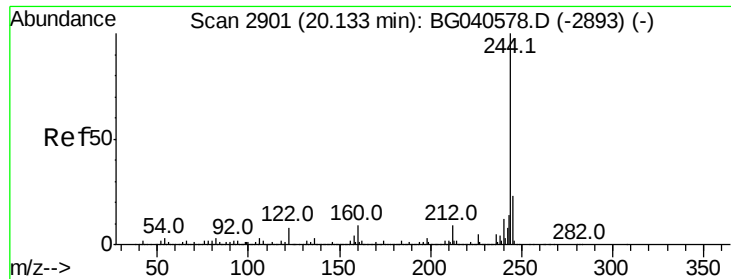
Abundance

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





#79

Terphenyl-d14

Concen: 77.104 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040847.D

Acq: 10 May 2019 12:11

Instrument :

BNA_G

ClientSampleId :

P026-SS001-1824-01

Tot Ion:244 Resp: 1520777

Ion Ratio Lower Upper

244 100

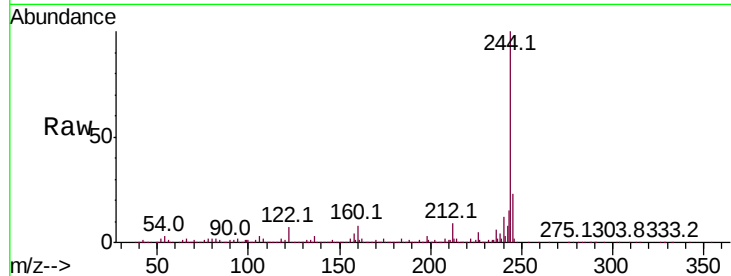
212 8.7 7.2 10.8

122 7.3 6.6 10.0

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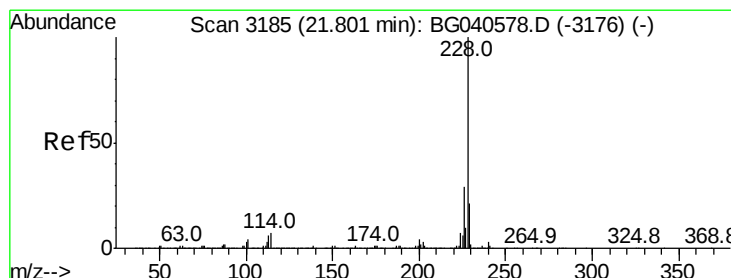
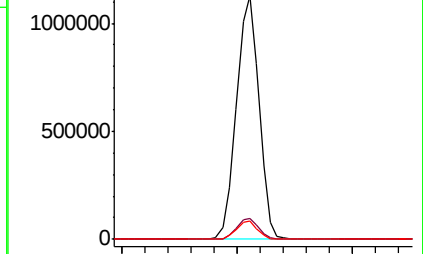
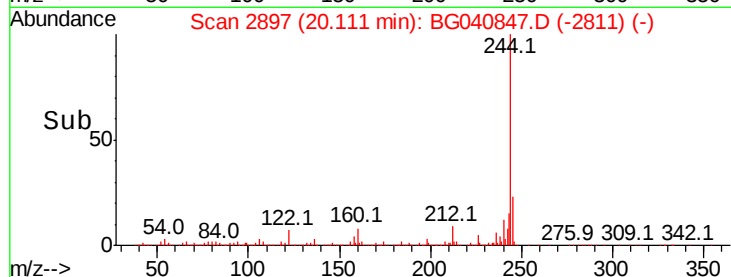
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 7.041 ng

RT: 21.78 min Scan# 3181

Delta R.T. -0.02 min

Lab File: BG040847.D

Acq: 10 May 2019 12:11

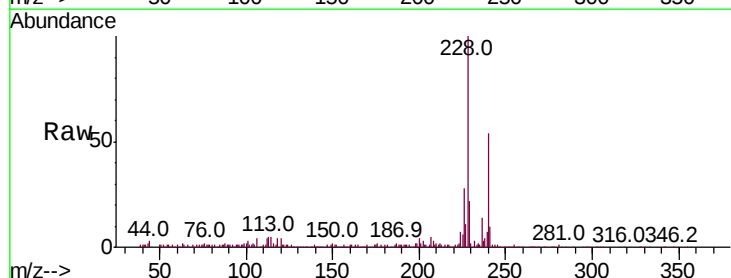
Tgt Ion:228 Resp: 194434

Ion Ratio Lower Upper

228 100

226 28.4 23.1 34.7

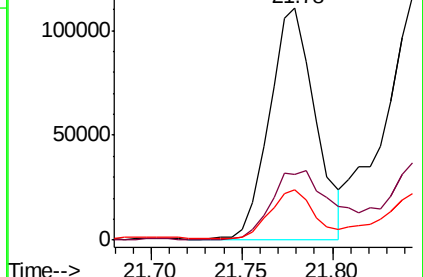
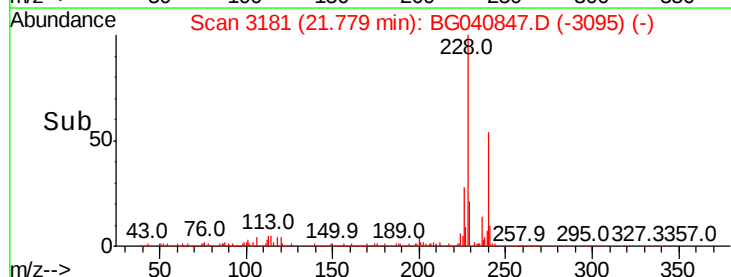
229 22.0 17.0 25.4

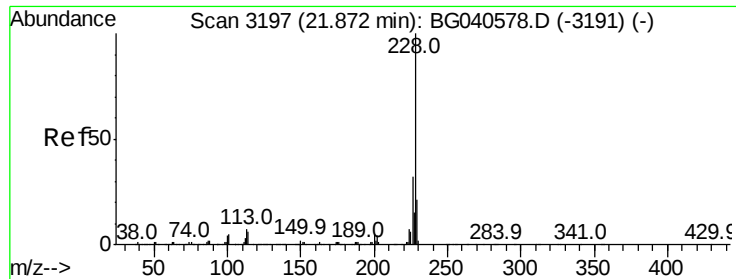


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





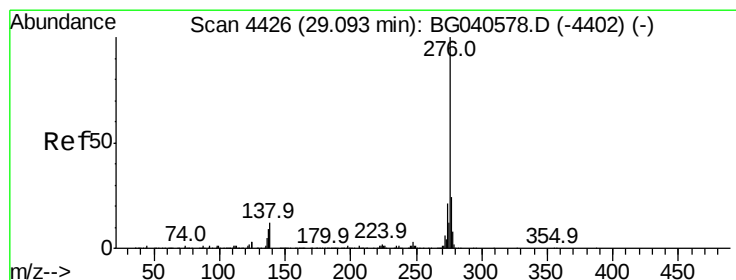
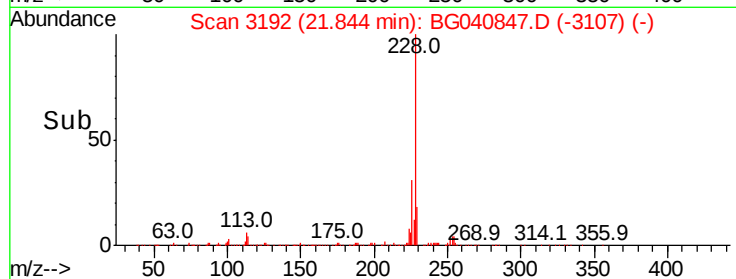
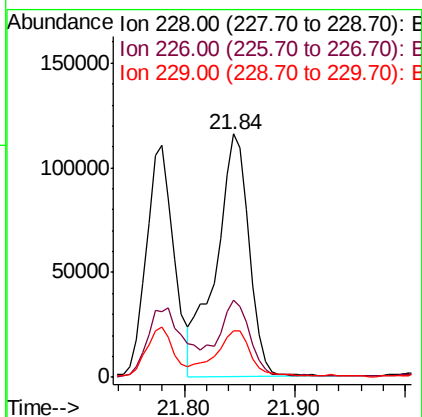
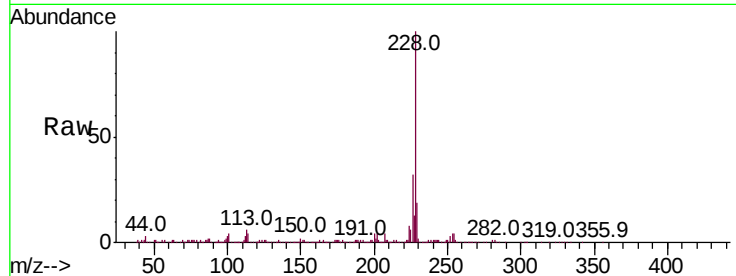
#83
Chrysene
Concen: 9.182 ng
RT: 21.84 min Scan# 3192
Delta R.T. -0.03 min
Lab File: BG040847.D
Acq: 10 May 2019 12:11

Instrument :
BNA_G
ClientSampleId :
P026-SS001-1824-01

Tot Ion:	228	Resp:	241148
Ion Ratio	Lower	Upper	
228	100		
226	31.6	25.5	38.3
229	19.3	16.8	25.2

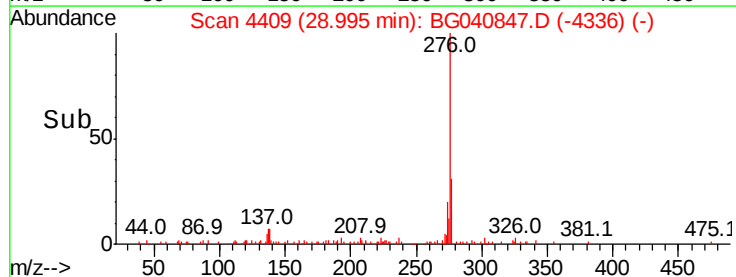
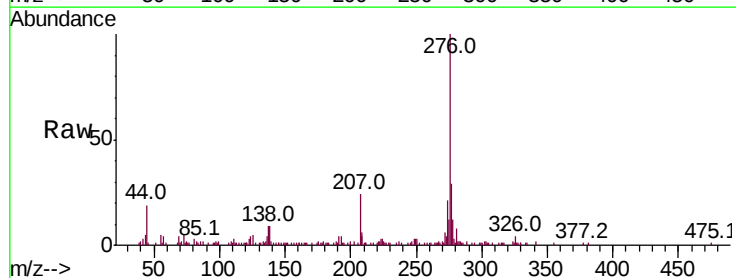
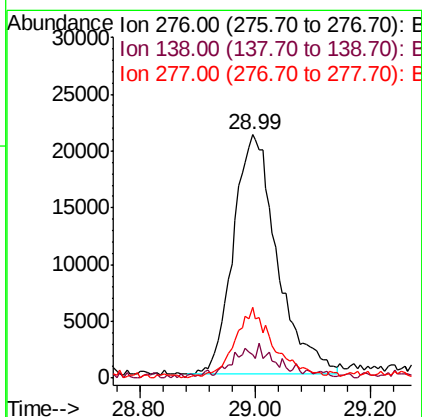
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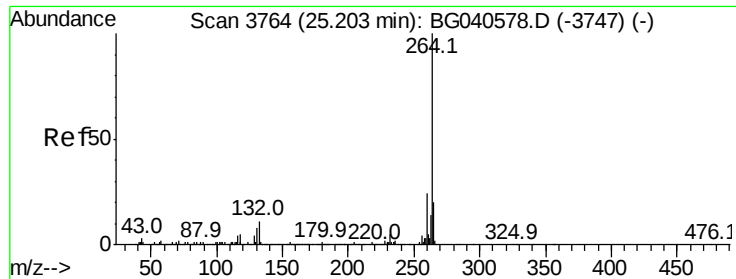
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.517 ng
RT: 28.99 min Scan# 4409
Delta R.T. -0.10 min
Lab File: BG040847.D
Acq: 10 May 2019 12:11

Tgt Ion:	276	Resp:	111678
Ion Ratio	Lower	Upper	
276	100		
138	5.2	9.8	14.6#
277	26.4	17.3	25.9#





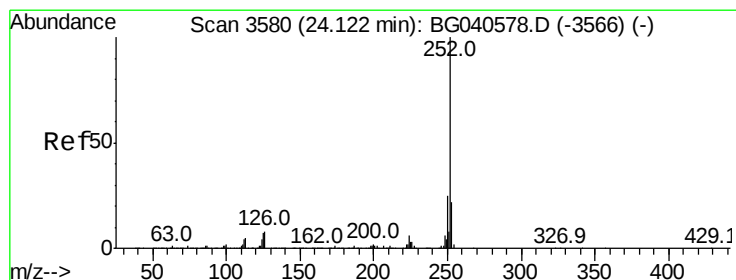
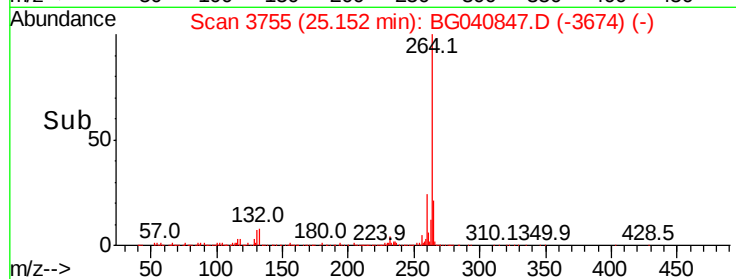
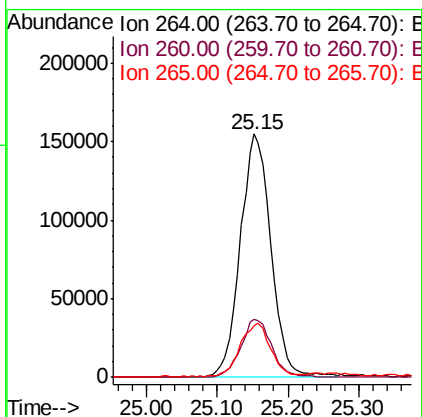
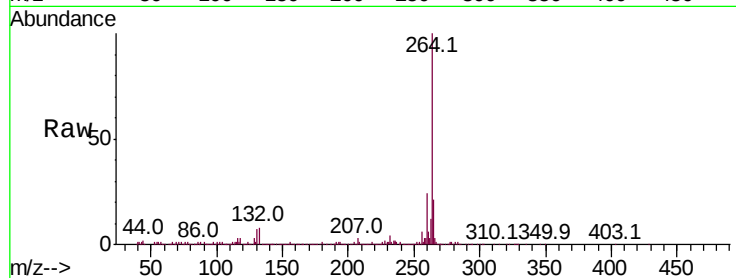
#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.15 min Scan# 3755
Delta R.T. -0.05 min
Lab File: BG040847.D
Acq: 10 May 2019 12:11

Instrument :
BNA_G
ClientSampleId :
P026-SS001-1824-01

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.4	16.6	25.0

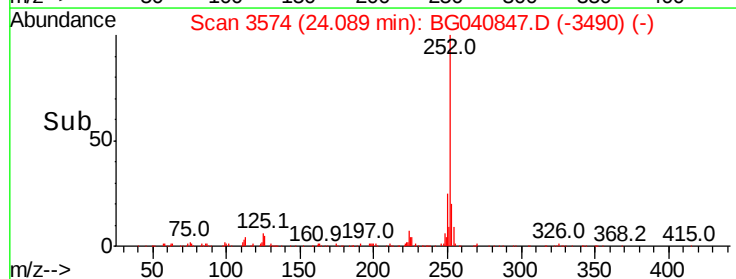
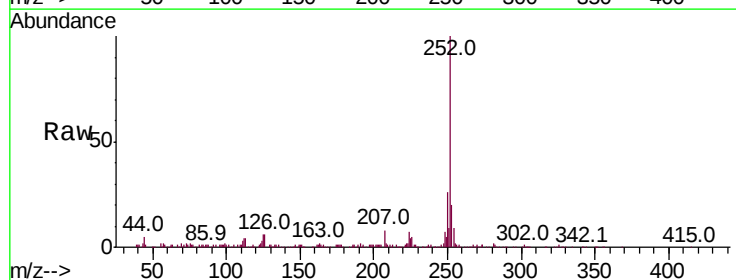
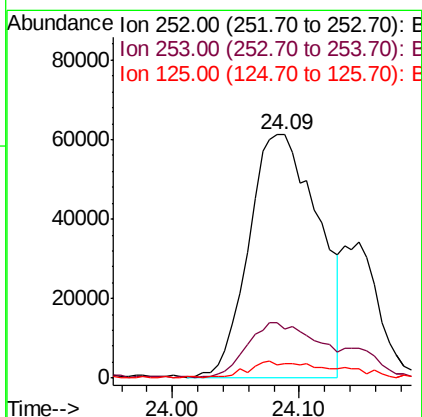
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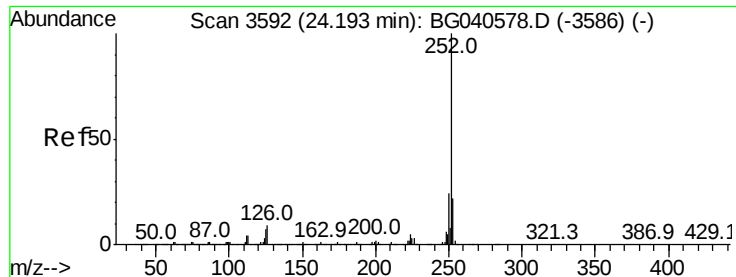
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#88
Benzo(b)fluoranthene
Concen: 8.126 ng
RT: 24.09 min Scan# 3574
Delta R.T. -0.03 min
Lab File: BG040847.D
Acq: 10 May 2019 12:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	19.9	17.6	26.4
125	6.0	5.4	8.0





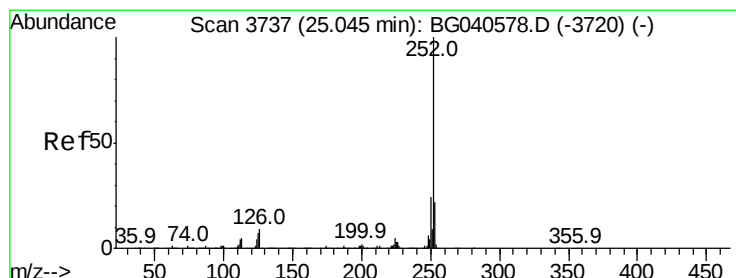
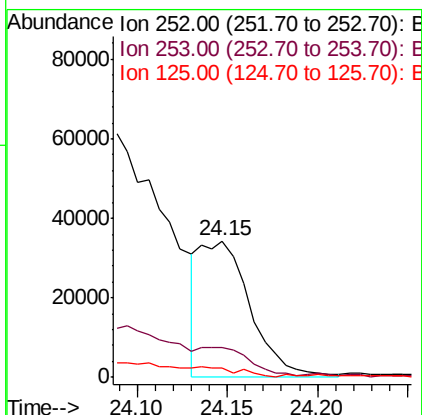
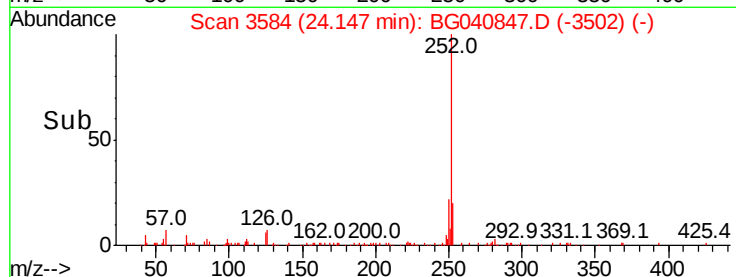
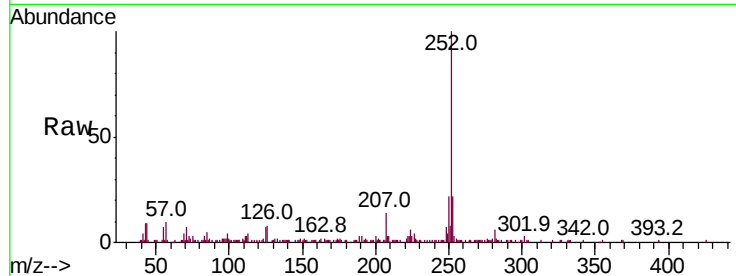
#89
Benzo(k)fluoranthene
Concen: 2.518 ng m
RT: 24.15 min Scan# 3584
Delta R.T. -0.05 min
Lab File: BG040847.D
Acq: 10 May 2019 12:11

Instrument :
BNA_G
ClientSampleId :
P026-SS001-1824-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	6.8	5.5	8.3

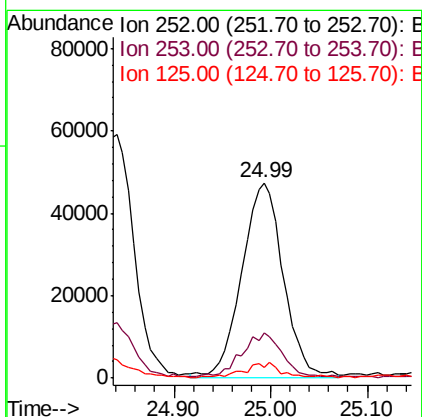
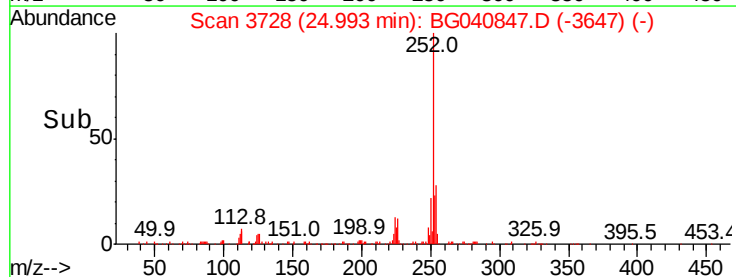
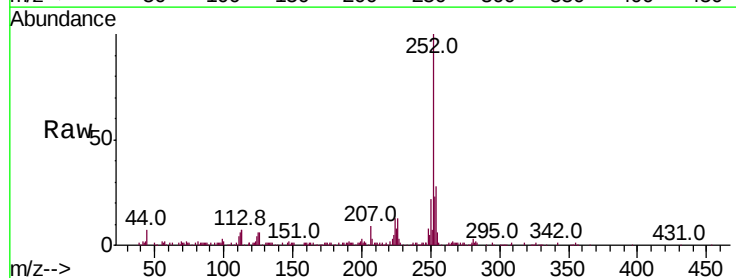
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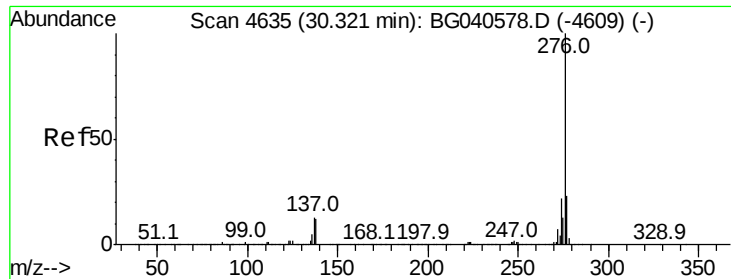
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#90
Benzo(a)pyrene
Concen: 5.242 ng m
RT: 24.99 min Scan# 3728
Delta R.T. -0.05 min
Lab File: BG040847.D
Acq: 10 May 2019 12:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	5.5	5.7	8.5#





#92
 Benzo(a,h,i)perylene
 Concen: 4.754 ng
 RT: 30.22 min Scan# 4617
 Delta R.T. -0.10 min
 Lab File: BG040847.D
 Acq: 10 May 2019 12:11

Instrument :
 BNA_G
 ClientSampleId :
 P026-SS001-1824-01

Tot Ion:	276	Resp:	129744
Ion Ratio	Lower	Upper	
276	100		
277	24.8	18.4	27.6
138	11.9	9.8	14.6

Manual Integrations
 APPROVED

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