

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082819\
 Data File : BG042551.D
 Acq On : 29 Aug 2019 3:19
 Operator : HP/JU
 Sample : K4543-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-2-D

Manual Integrations
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Quant Time: Aug 29 08:00:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	33148	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	120451	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	91728	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	231289	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	276758	20.00	ng	-0.01
87) Perylene-d12	24.93	264	335557	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	202833	123.93	ng	0.00
7) Phenol-d6	7.17	99	269647	121.97	ng	0.00
23) Nitrobenzene-d5	9.16	82	151717	87.04	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	189387	145.26	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	466910	86.09	ng	0.00
79) Terphenyl-d14	20.02	244	964809	75.37	ng	0.00
Target Compounds						
10) Phenol	7.19	94	17269	7.683	ng	89
50) Dimethylphthalate	14.10	163	60818	9.189	ng	98
71) Phenanthrene	17.45	178	172295	14.997	ng	99
72) Anthracene	17.55	178	38712	3.375	ng	98
75) Fluoranthene	19.46	202	386880	27.593	ng	96
78) Pyrene	19.83	202	320687	18.900	ng	97
81) Benzo(a)anthracene	21.67	228	185790	11.035	ng	99
83) Chrysene	21.73	228	164440	10.128	ng	99
86) Indeno(1,2,3-cd)pyrene	28.62	276	111940m	5.073	ng	
88) Benzo(b)fluoranthene	23.90	252	229179	12.423	ng	98
89) Benzo(k)fluoranthene	23.96	252	69809m	3.937	ng	
90) Benzo(a)pyrene	24.77	252	160630	9.176	ng	99
92) Benzo(a,h,i)perylene	29.77	276	104369	5.888	ng	97

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

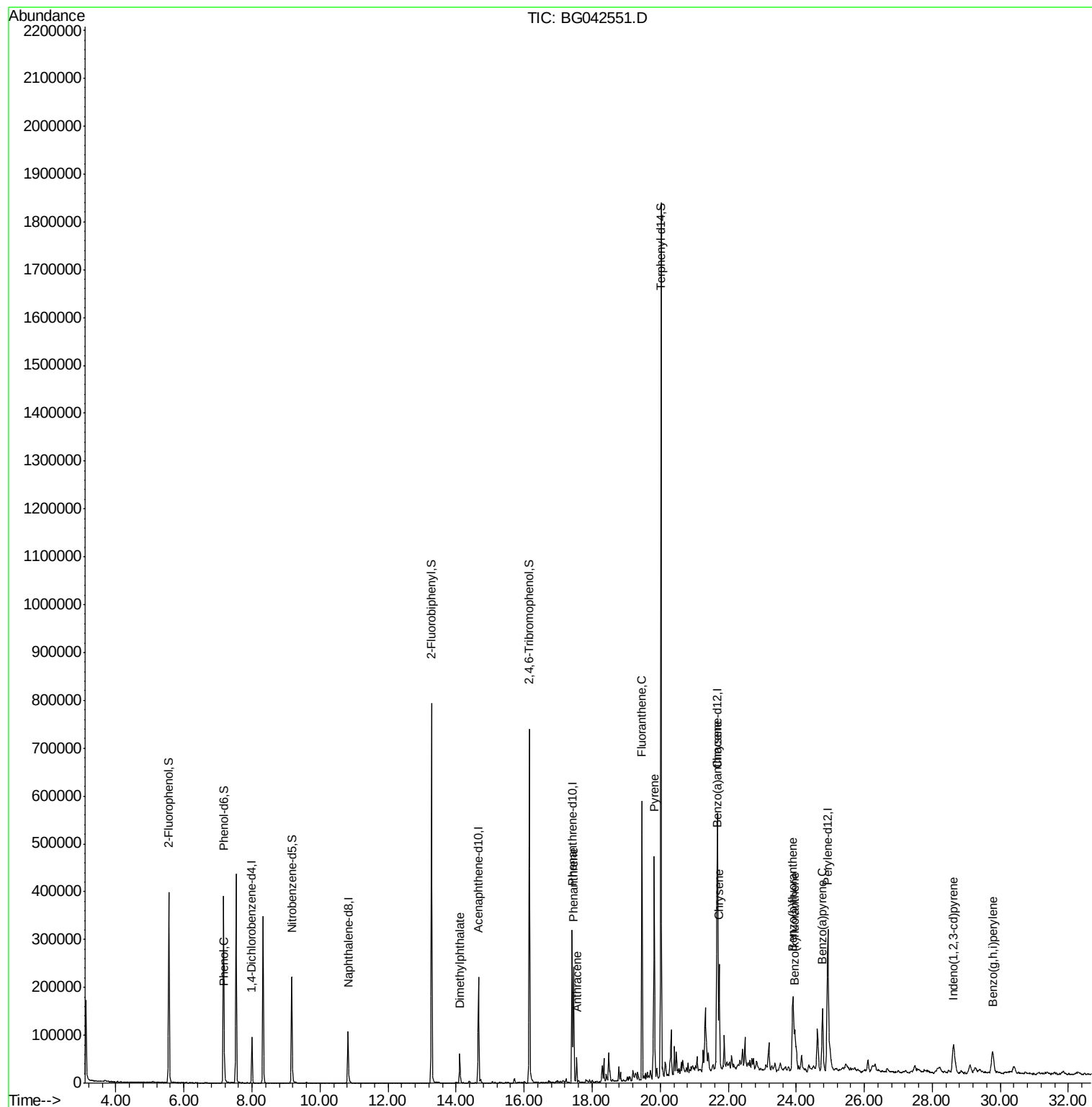
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082819\
Data File : BG042551.D
Acq On : 29 Aug 2019 3:19
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Sample : K4543-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

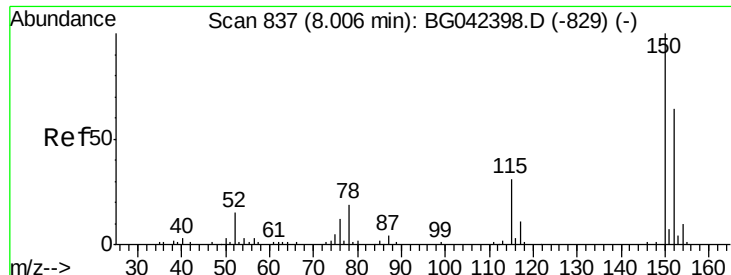
Instrument :
BNA_G
ClientSampleId :
TP-2-D

Quant Time: Aug 29 08:00:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 14:29:15 2019
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#1

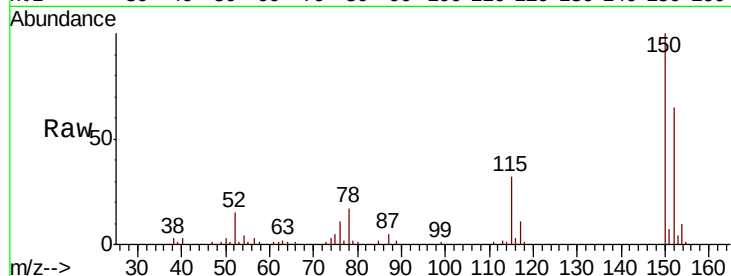
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042551.D
Acq: 29 Aug 2019 3:19

Instrument :
BNA_G
ClientSampled :
TP-2-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	125.4	188.0
115	48.4	38.5	57.7

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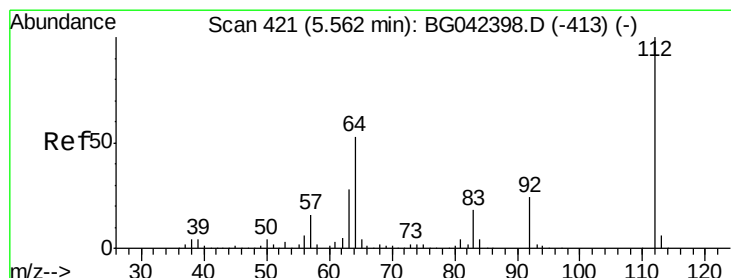
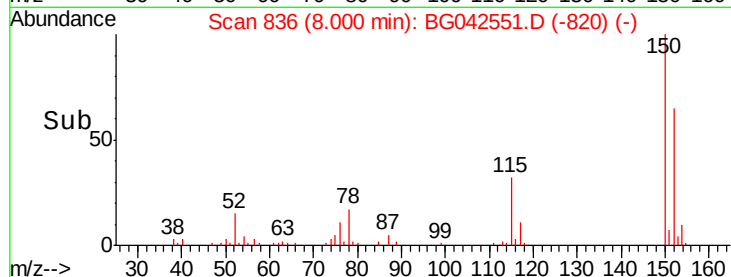
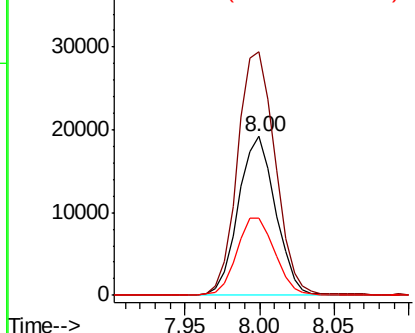


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

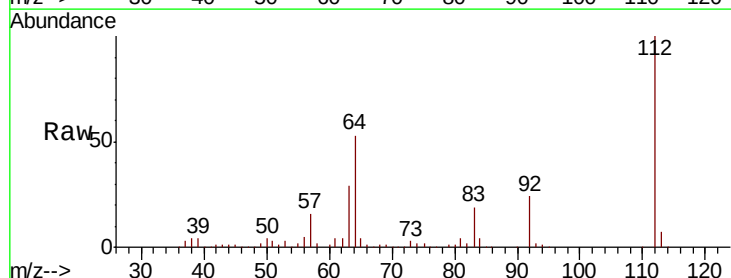
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 123.928 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042551.D
Acq: 29 Aug 2019 3:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	42.8	64.2
63	29.2	22.7	34.1

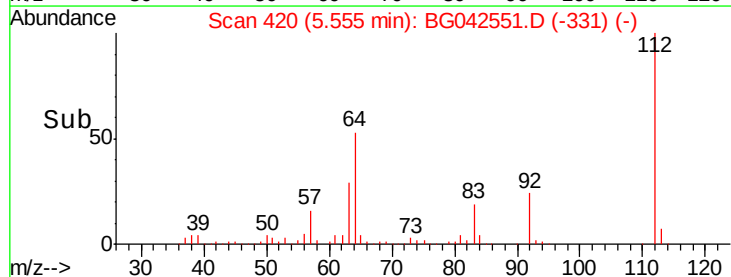
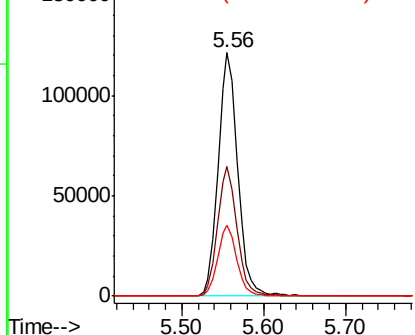


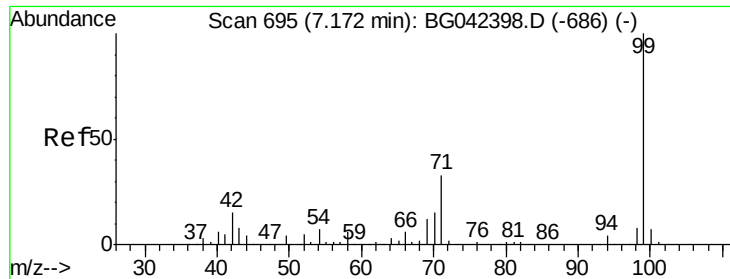
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 121.967 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042551.D

Acq: 29 Aug 2019 3:19

Instrument :

BNA_G

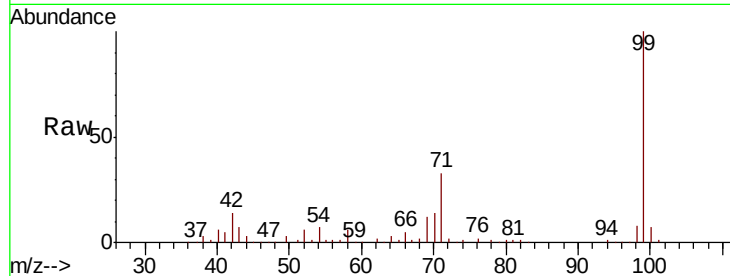
ClientSampled :

TP-2-D

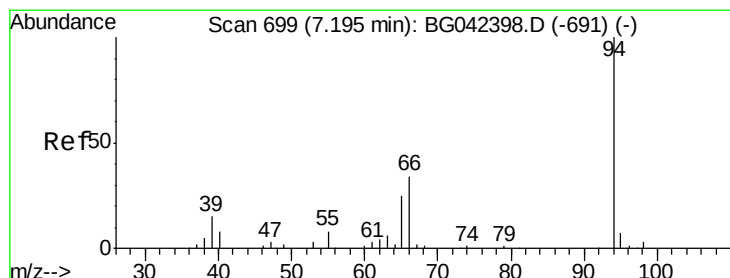
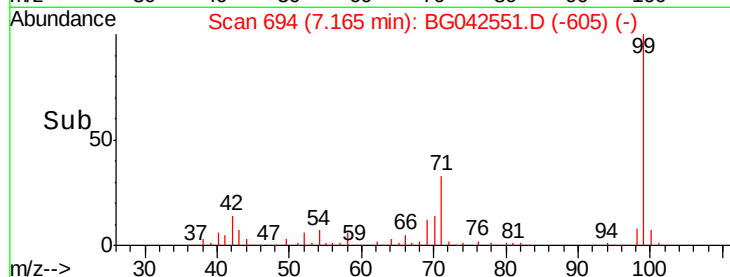
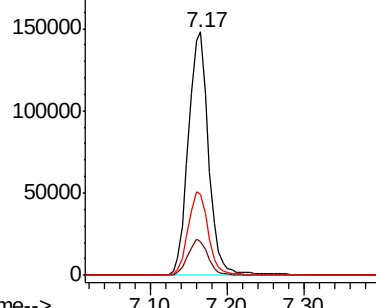
Tot Ion:	99	Resp:	269647
Ion	Ratio	Lower	Upper
99	100		
42	13.8	12.0	18.0
71	33.5	26.3	39.5

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Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#10

Phenol

Concen: 7.683 ng

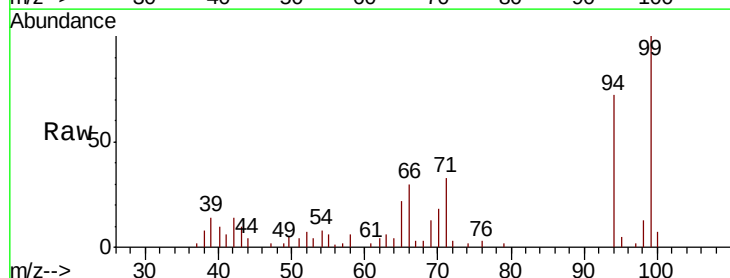
RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

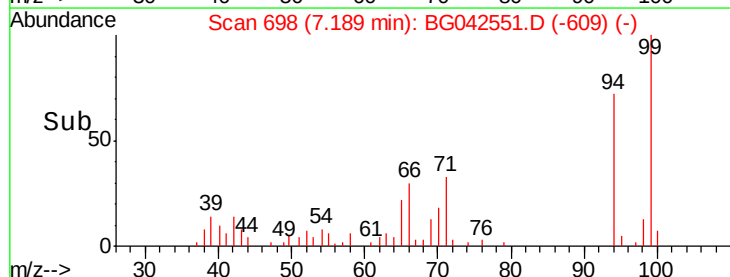
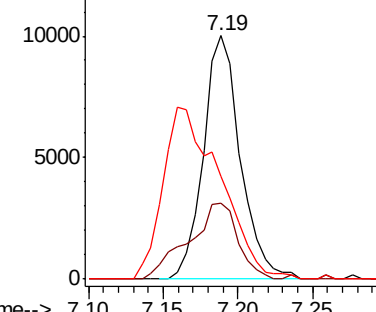
Lab File: BG042551.D

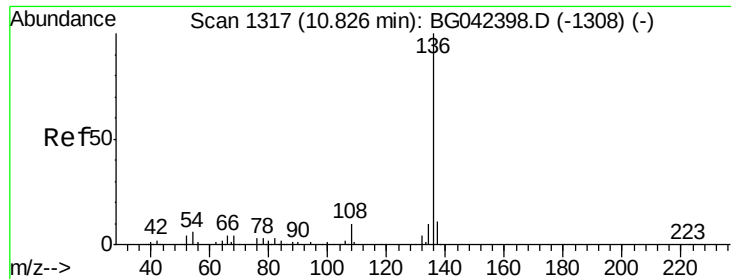
Acq: 29 Aug 2019 3:19

Tgt Ion:	94	Resp:	17269
Ion	Ratio	Lower	Upper
94	100		
65	31.0	5.6	45.6
66	42.3	16.0	56.0



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





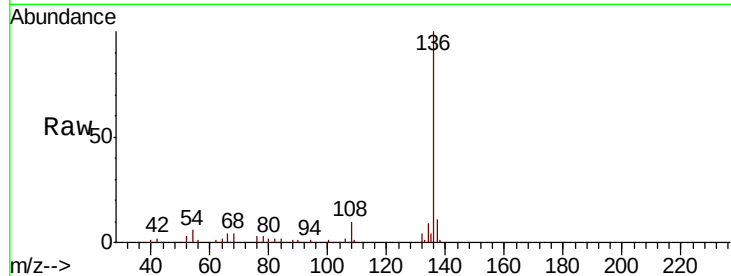
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042551.D
Acq: 29 Aug 2019 3:19

Instrument :
BNA_G
ClientSampleId :
TP-2-D

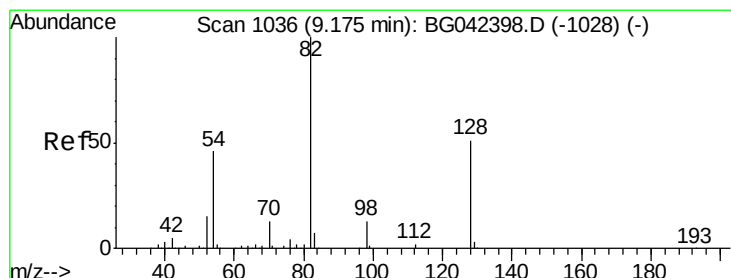
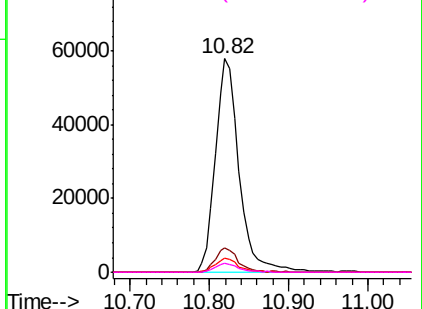
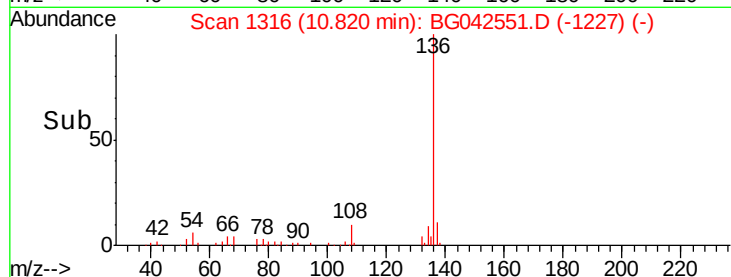
Tot Ion	Ratio	Resp	Lower	Upper
136	100	120451		
137	11.1	8.7	13.1	
54	6.4	4.9	7.3	
68	4.1	3.6	5.4	

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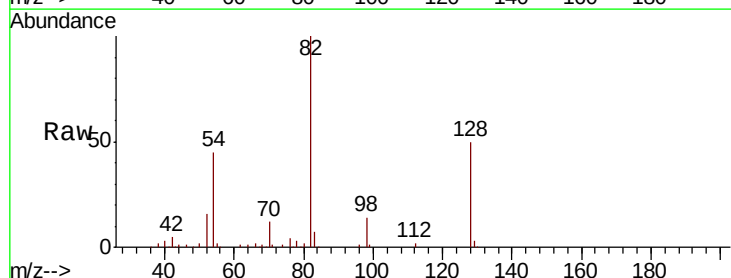


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

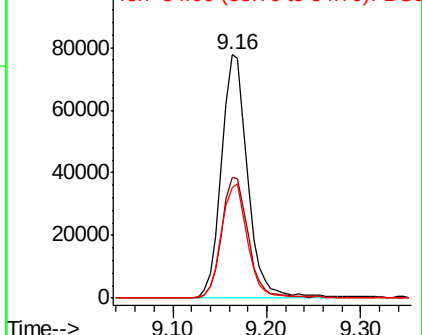
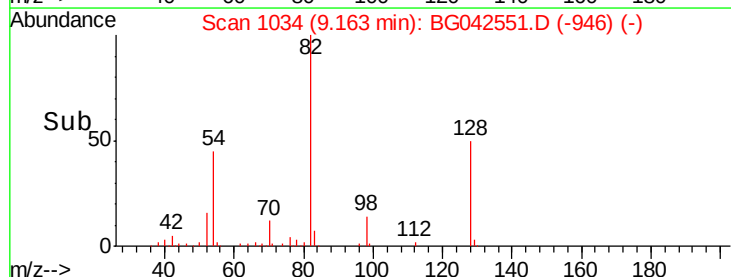


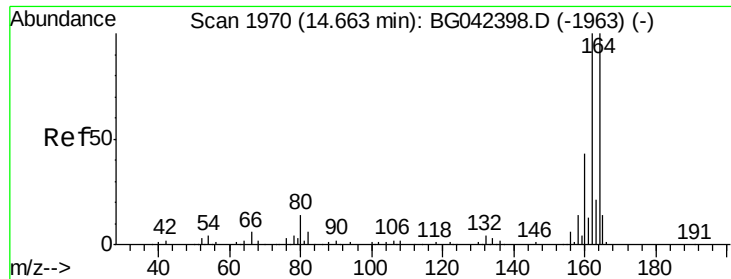
#23
Nitrobenzene-d5
Concen: 87.042 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042551.D
Acq: 29 Aug 2019 3:19

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	151717		
128	49.5	40.7	61.1	
54	45.3	36.3	54.5	



Abundance Ion 82.00 (81.70 to 82.70): B
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): B





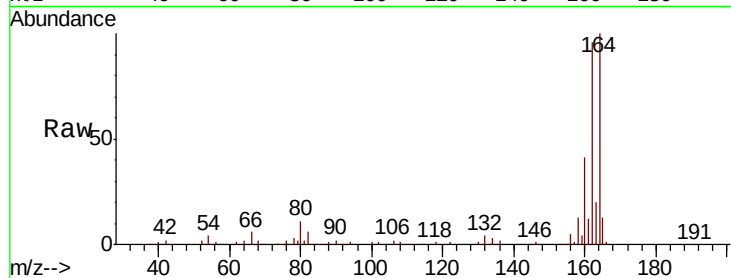
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042551.D
Acq: 29 Aug 2019 3:19

Instrument :
BNA_G
ClientSampleId :
TP-2-D

Tot Ion	Ratio	Lower	Upper
164	100		
162	96.3	79.9	119.9
160	40.5	34.3	51.5

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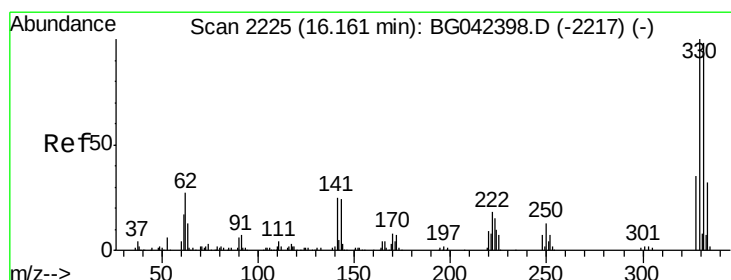
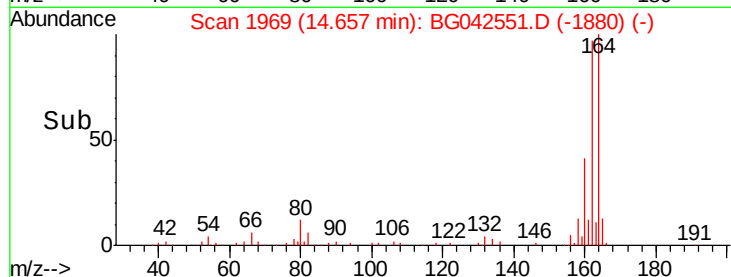
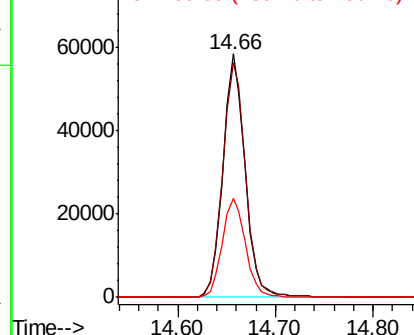


Abundance

Ion 164.00 (163.70 to 164.70): E

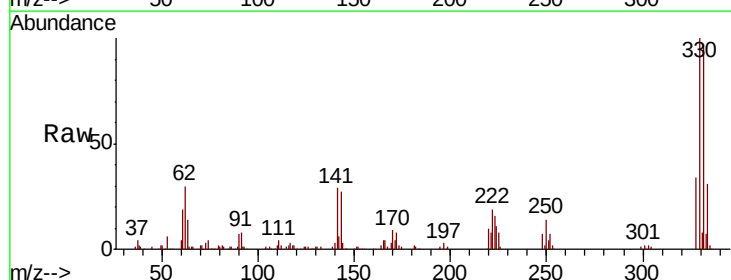
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 145.262 ng
RT: 16.15 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BG042551.D
Acq: 29 Aug 2019 3:19

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.4	116.0
141	27.2	21.4	32.0

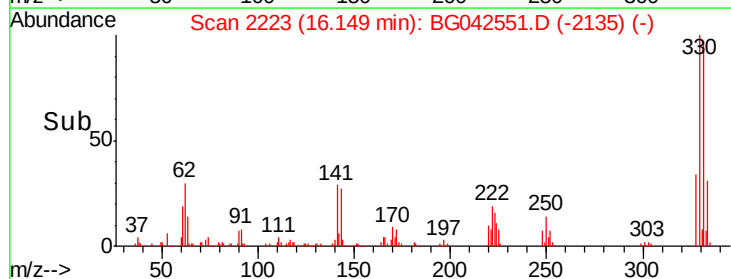
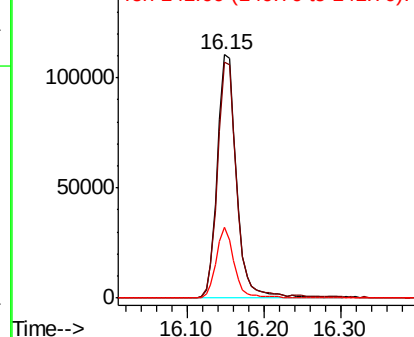


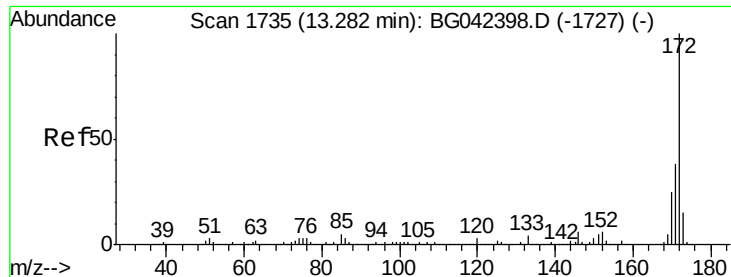
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





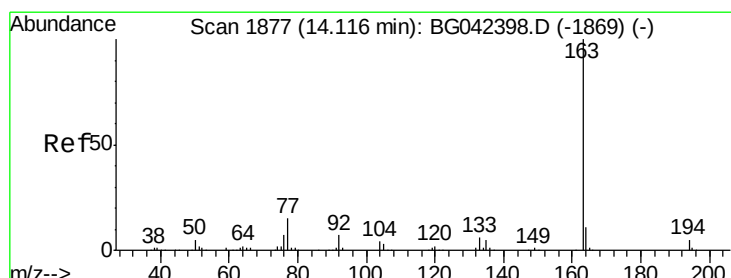
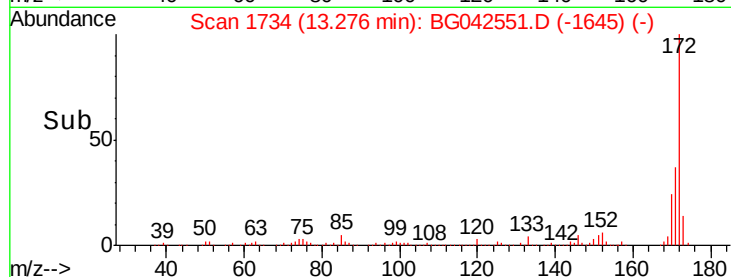
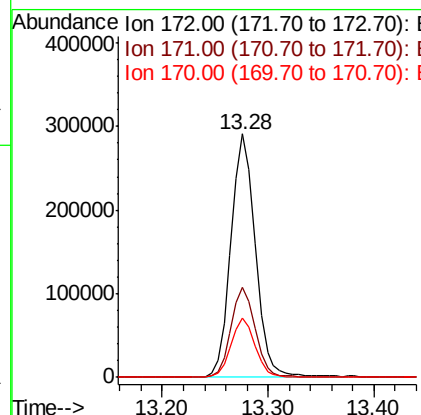
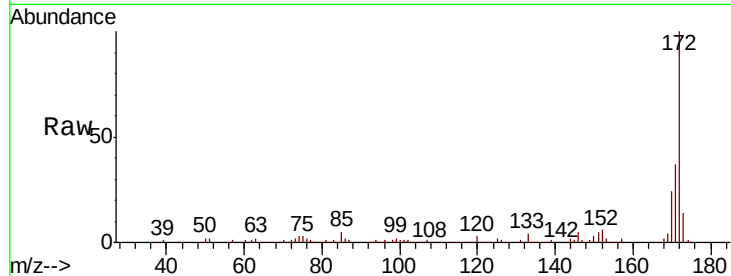
#45
 2-Fluorobiphenyl
 Concen: 86.089 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042551.D
 Acq: 29 Aug 2019 3:19

Instrument :
 BNA_G
 ClientSampleId :
 TP-2-D

Tot Ion	Ratio	Resp	Lower	Upper
172	100	466910		
171	37.1		30.5	45.7
170	24.4		20.2	30.2

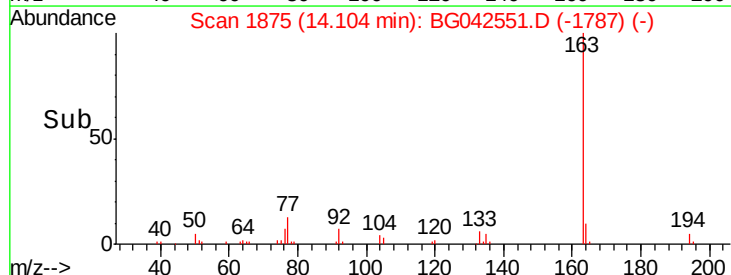
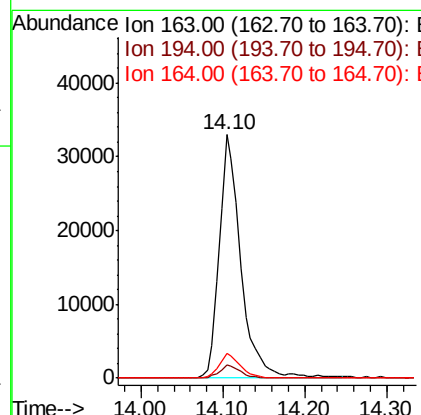
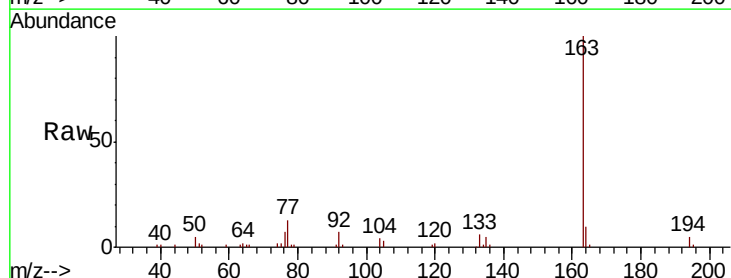
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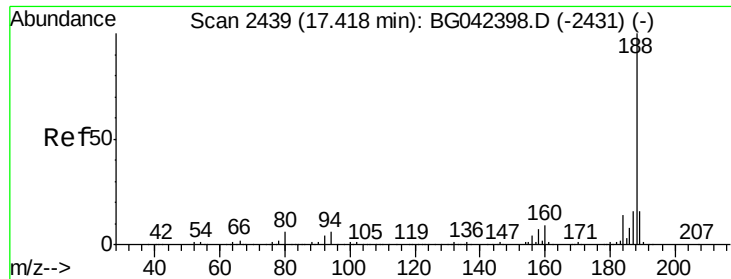
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#50
 Dimethylphthalate
 Concen: 9.189 ng
 RT: 14.10 min Scan# 1875
 Delta R.T. -0.01 min
 Lab File: BG042551.D
 Acq: 29 Aug 2019 3:19

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	60818		
194	5.2		4.2	6.2
164	10.1		8.8	13.2





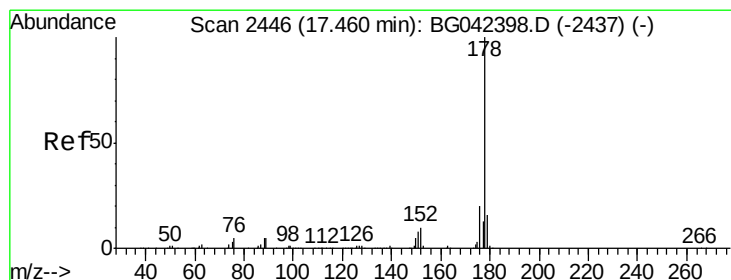
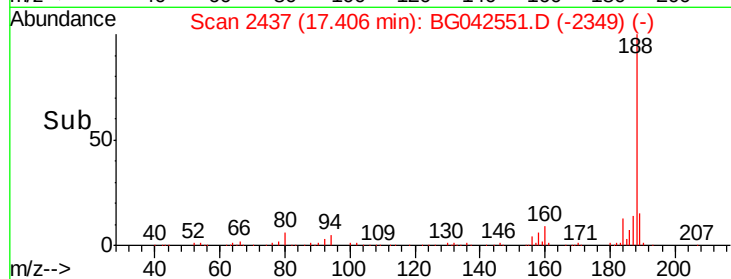
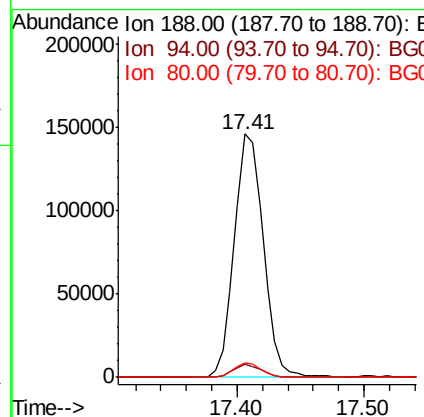
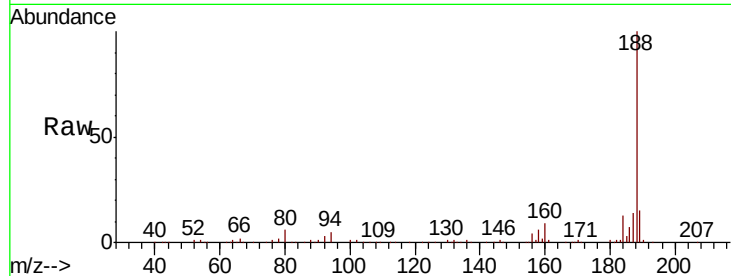
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2437
Delta R.T. -0.01 min
Lab File: BG042551.D
Acq: 29 Aug 2019 3:19

Instrument :
BNA_G
ClientSampled :
TP-2-D

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	5.4	4.5	6.7
80	6.0	4.9	7.3

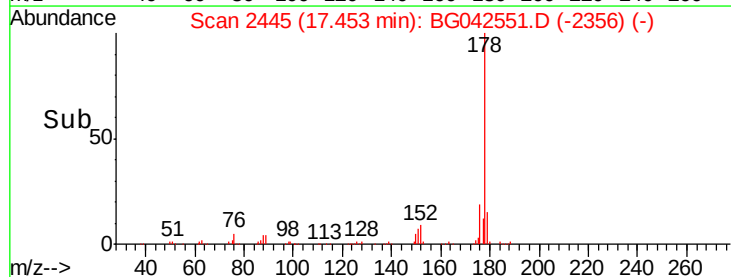
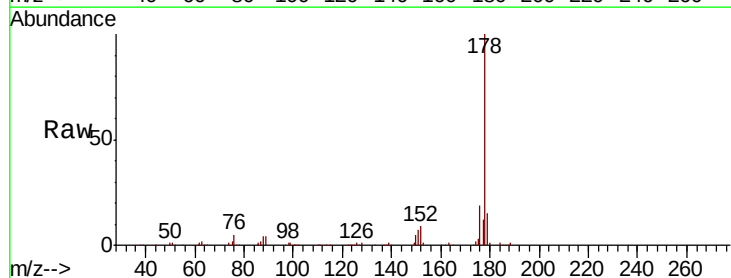
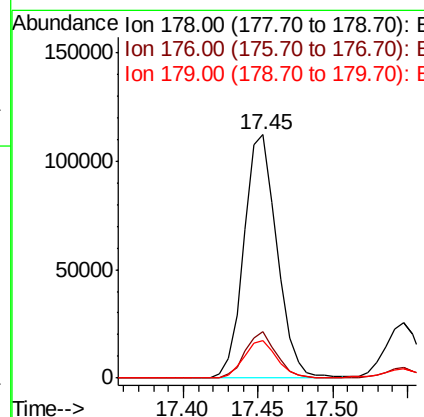
Manual Integrations
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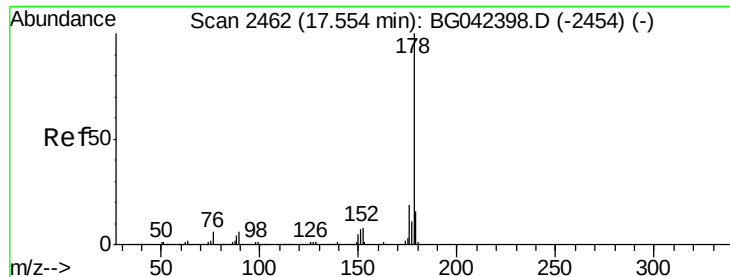
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#71
Phenanthrene
Concen: 14.997 ng
RT: 17.45 min Scan# 2445
Delta R.T. -0.01 min
Lab File: BG042551.D
Acq: 29 Aug 2019 3:19

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.2	15.9	23.9
179	15.4	12.7	19.1





#72

Anthracene

Concen: 3.375 ng

RT: 17.55 min Scan# 2461

Delta R.T. -0.01 min

Lab File: BG042551.D

Acq: 29 Aug 2019 3:19

Instrument :

BNA_G

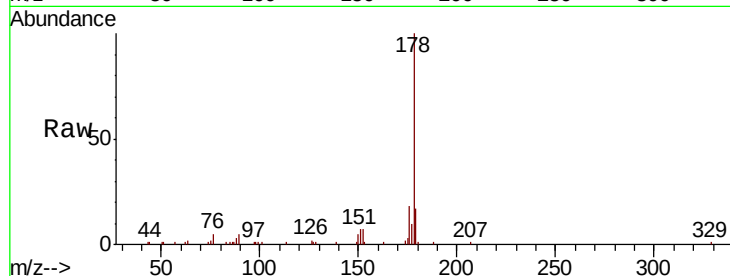
ClientSampled :

TP-2-D

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.5	23.3
179	17.1	12.9	19.3

Manual Integrations
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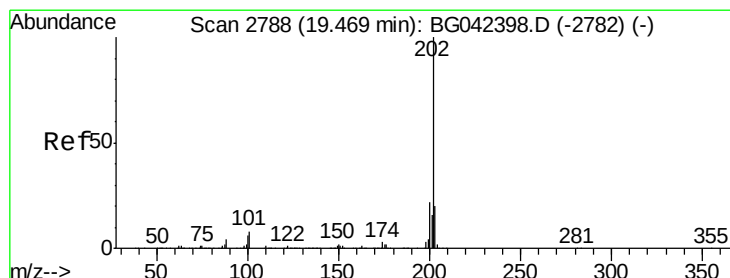
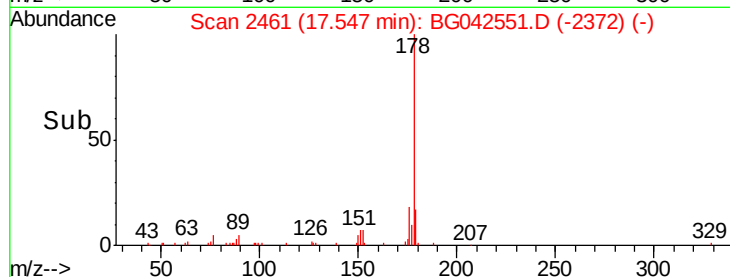
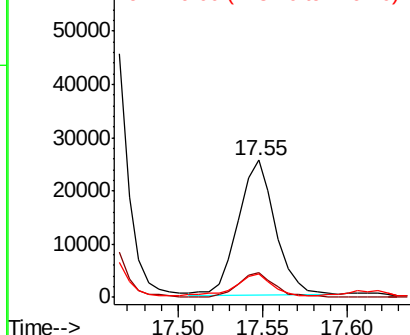


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 27.593 ng

RT: 19.46 min Scan# 2787

Delta R.T. -0.01 min

Lab File: BG042551.D

Acq: 29 Aug 2019 3:19

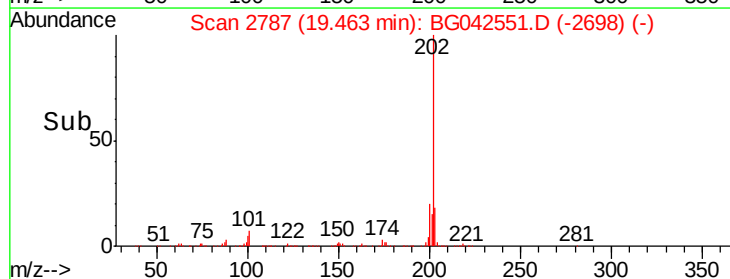
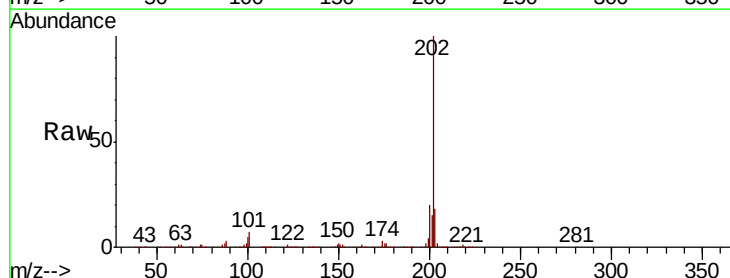
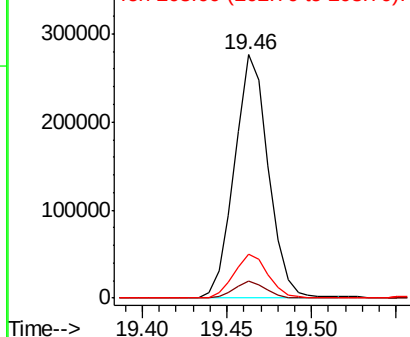
Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.9	0.0	28.3
203	17.9	0.0	39.6

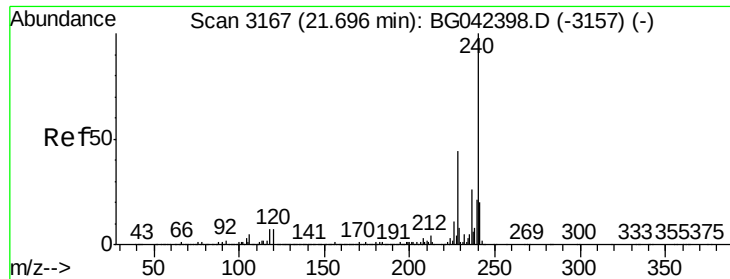
Abundance

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





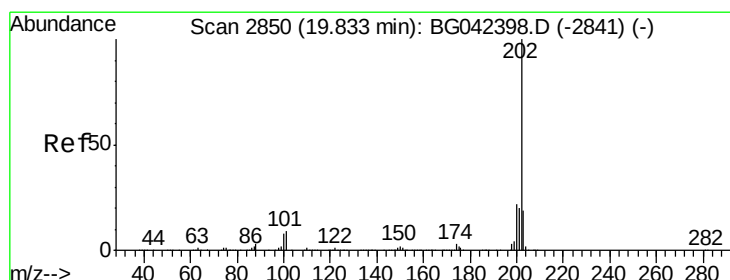
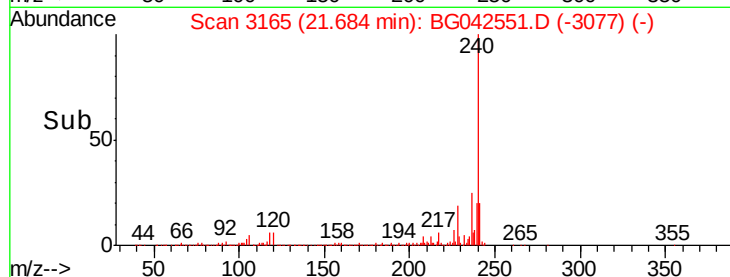
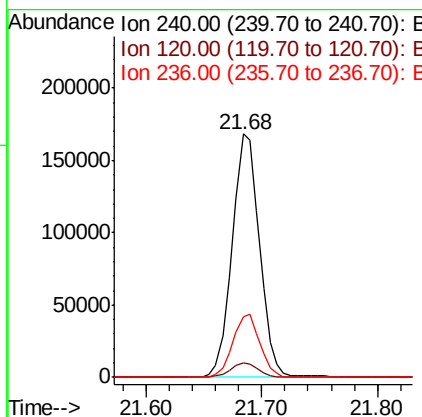
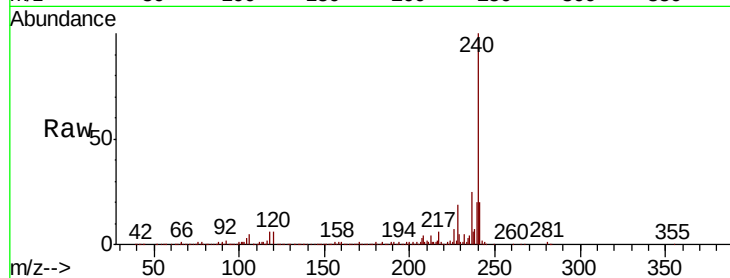
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG042551.D
Acq: 29 Aug 2019 3:19

Instrument :
BNA_G
ClientSampleId :
TP-2-D

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.2	5.7	8.5
236	25.1	21.0	31.4

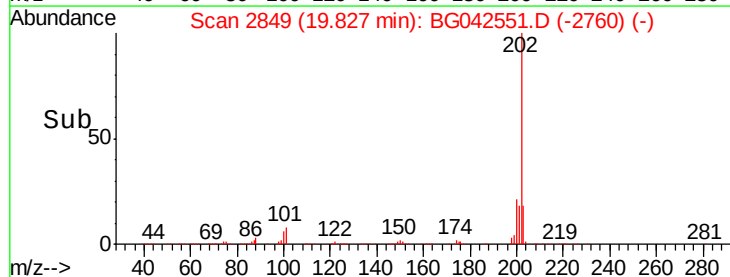
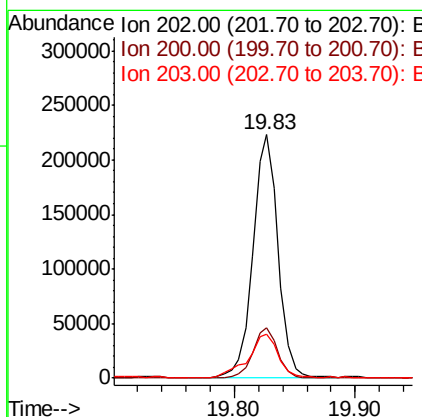
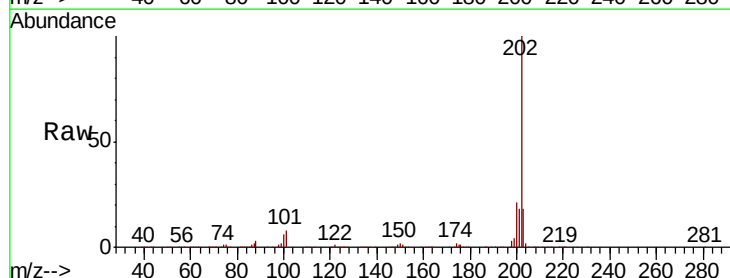
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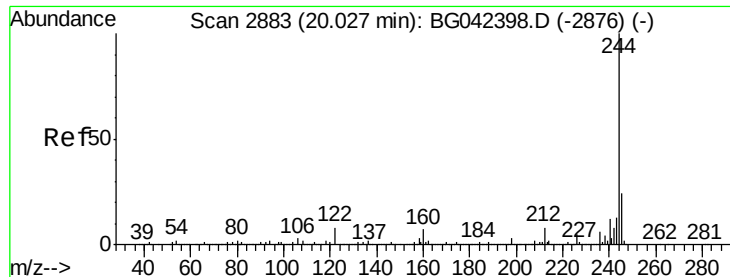
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#78
Pyrene
Concen: 18.900 ng
RT: 19.83 min Scan# 2849
Delta R.T. -0.01 min
Lab File: BG042551.D
Acq: 29 Aug 2019 3:19

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.8	26.6
203	18.1	15.5	23.3





#79

Terphenyl-d14

Concen: 75.367 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042551.D

Acq: 29 Aug 2019 3:19

Instrument :

BNA_G

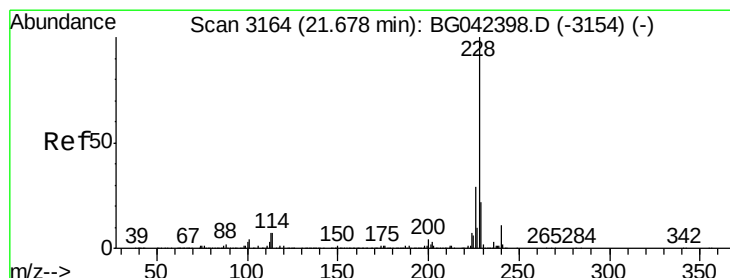
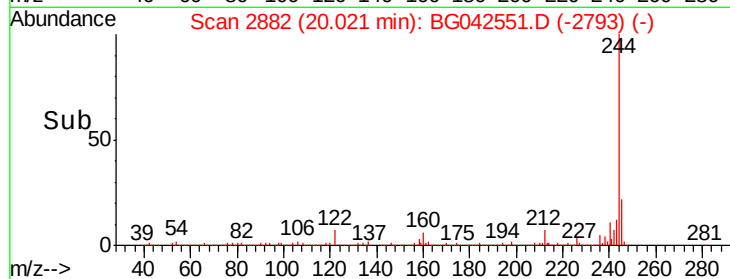
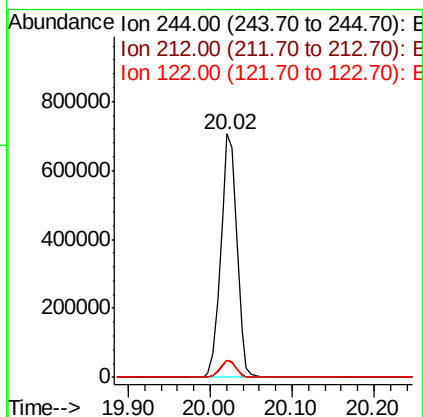
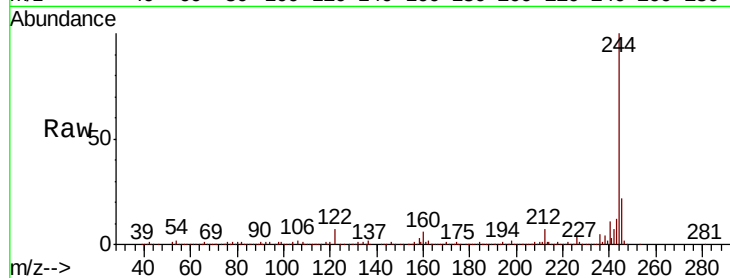
ClientSampleId :

TP-2-D

Tot Ion:	244	Resp:	964809
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.0	9.0
122	7.1	6.7	10.1

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#81

Benzo(a)anthracene

Concen: 11.035 ng

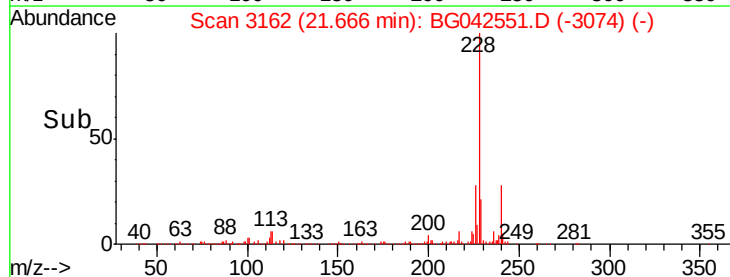
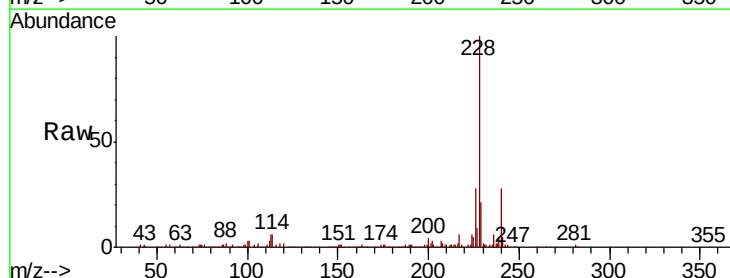
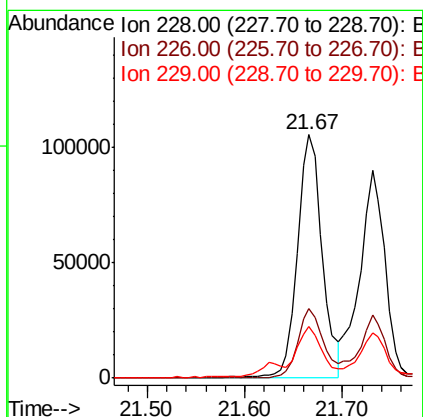
RT: 21.67 min Scan# 3162

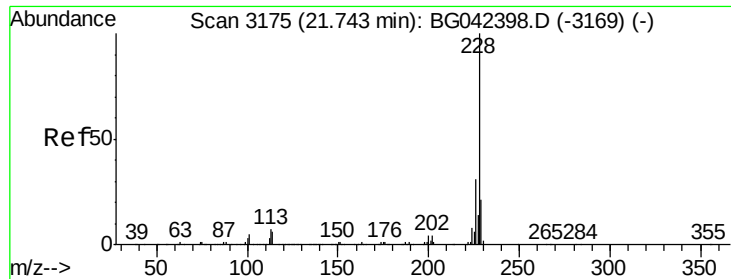
Delta R.T. -0.01 min

Lab File: BG042551.D

Acq: 29 Aug 2019 3:19

Tgt Ion:	228	Resp:	185790
Ion Ratio	Lower	Upper	
228	100		
226	28.5	23.4	35.2
229	21.2	17.4	26.2





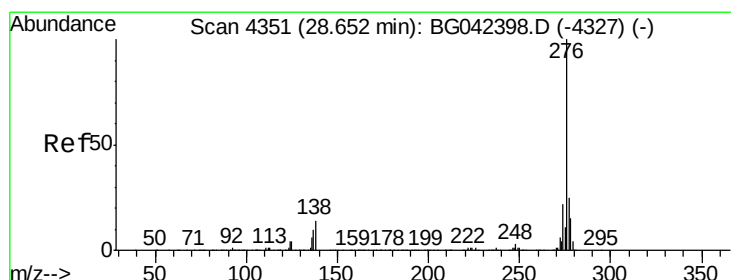
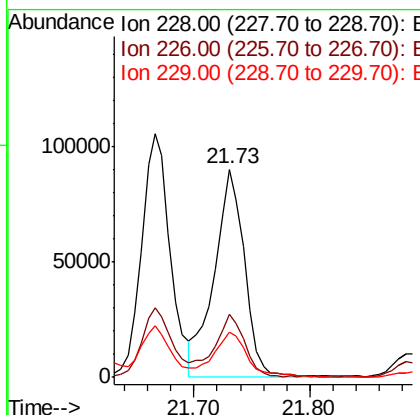
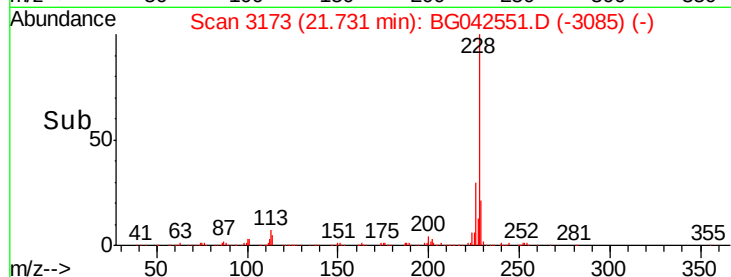
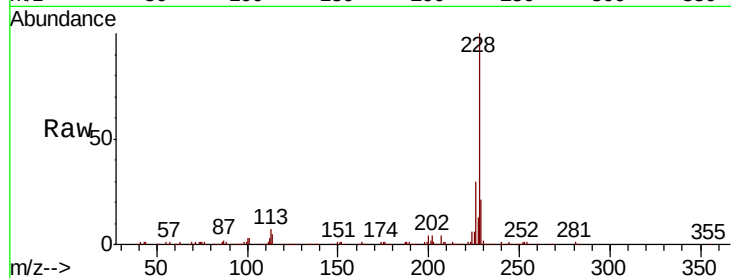
#83
Chrysene
Concen: 10.128 ng
RT: 21.73 min Scan# 3173
Delta R.T. -0.01 min
Lab File: BG042551.D
Acq: 29 Aug 2019 3:19

Instrument :
BNA_G
ClientSampled :
TP-2-D

Tot Ion	Ratio	Resp	Lower	Upper
228	100	164440		
226	30.2		24.9	37.3
229	21.5		16.9	25.3

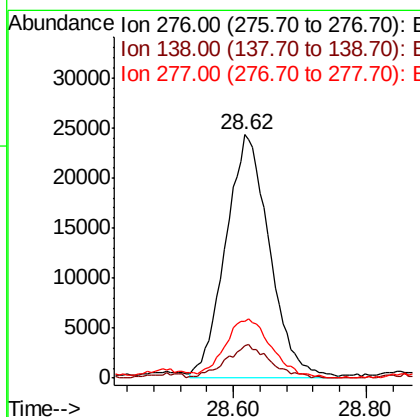
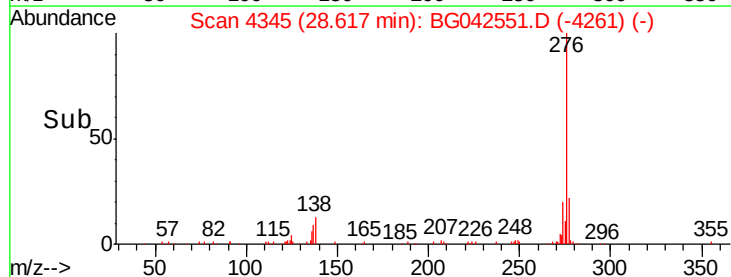
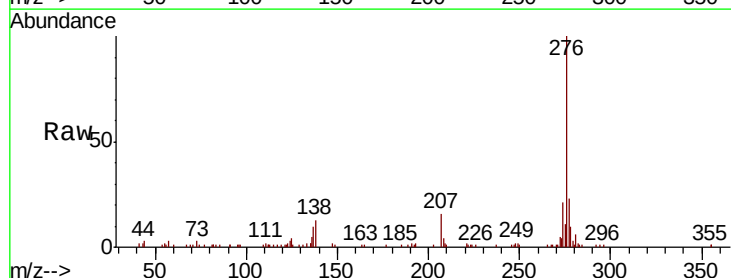
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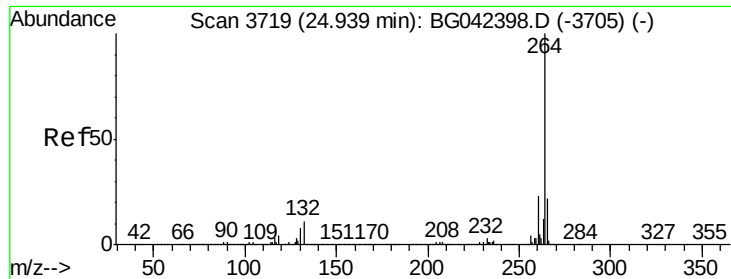
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#86
Indeno(1,2,3-cd)pyrene
Concen: 5.073 ng m
RT: 28.62 min Scan# 4345
Delta R.T. -0.04 min
Lab File: BG042551.D
Acq: 29 Aug 2019 3:19

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	111940		
138	1.4		9.2	13.8#
277	3.3		21.0	31.6#





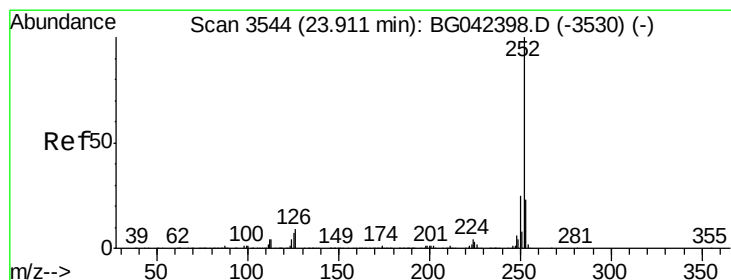
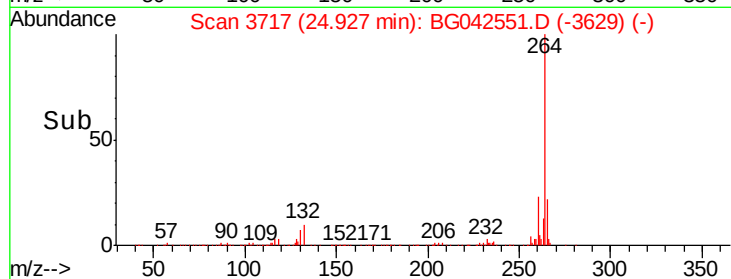
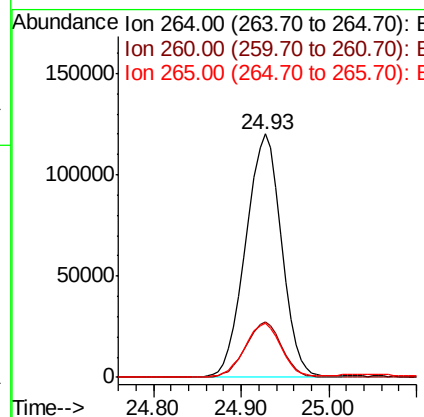
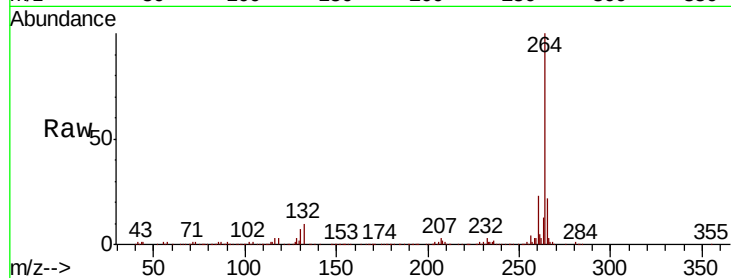
#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3717
Delta R.T. -0.01 min
Lab File: BG042551.D
Acq: 29 Aug 2019 3:19

Instrument :
BNA_G
ClientSampleId :
TP-2-D

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.5	27.7
265	22.1	17.6	26.4

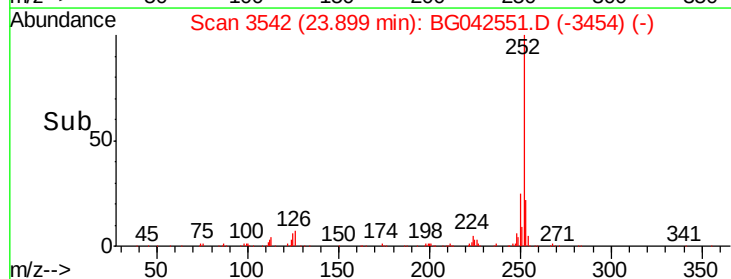
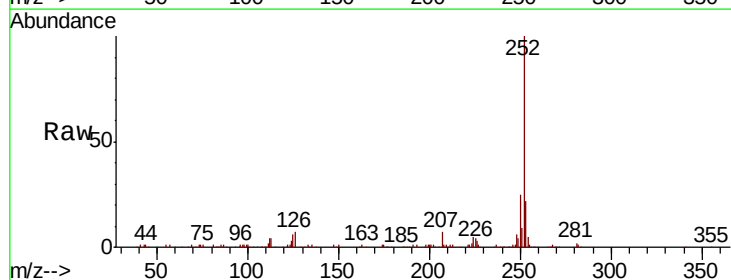
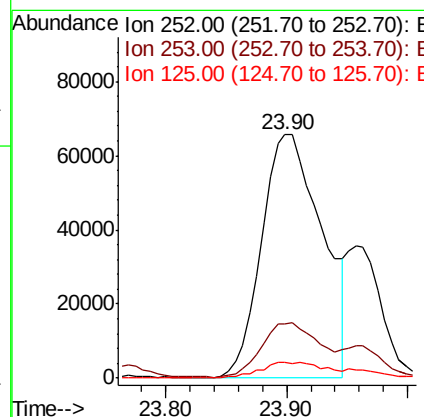
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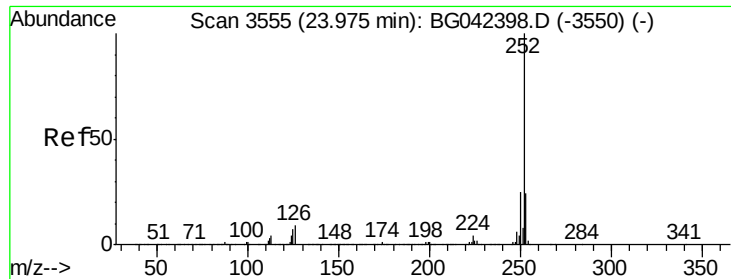
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#88
Benzo(b)fluoranthene
Concen: 12.423 ng
RT: 23.90 min Scan# 3542
Delta R.T. -0.01 min
Lab File: BG042551.D
Acq: 29 Aug 2019 3:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.6	27.8
125	6.5	5.6	8.4





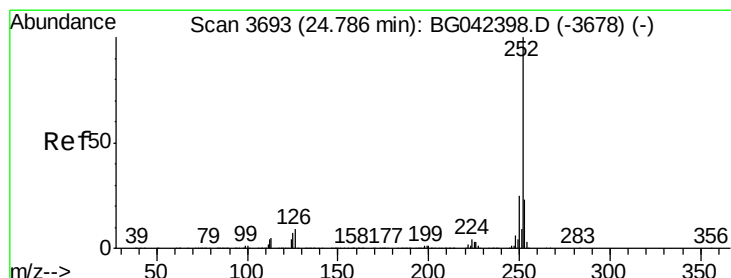
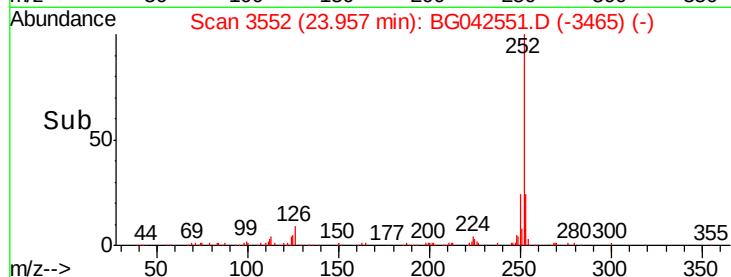
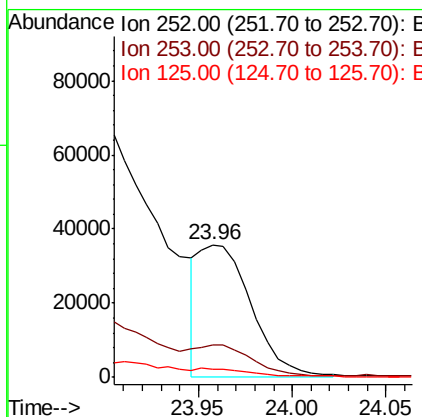
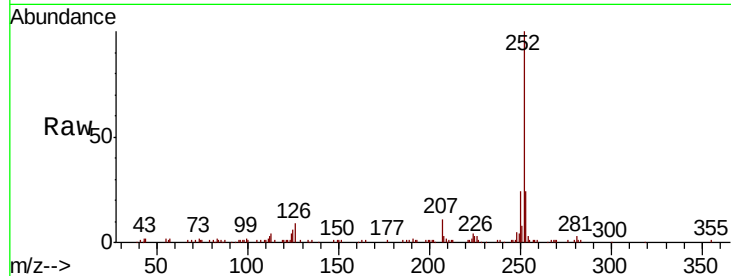
#89
Benzo(k)fluoranthene
Concen: 3.937 ng m
RT: 23.96 min Scan# 3552
Delta R.T. -0.02 min
Lab File: BG042551.D
Acq: 29 Aug 2019 3:19

Instrument :
BNA_G
ClientSampled :
TP-2-D

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.6	27.8
125	5.9	5.8	8.6

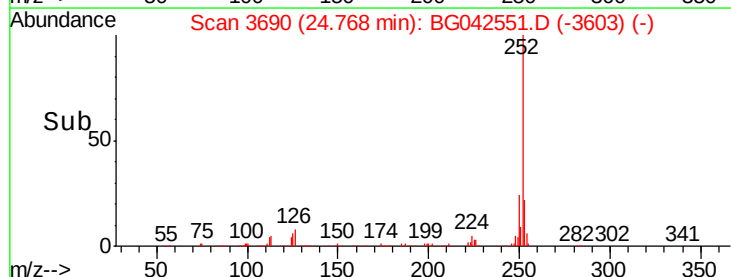
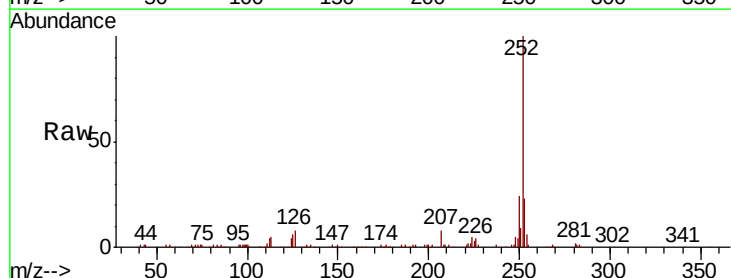
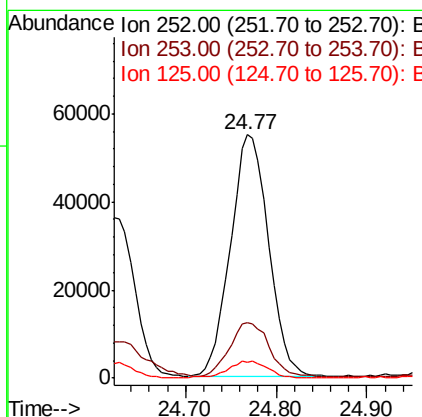
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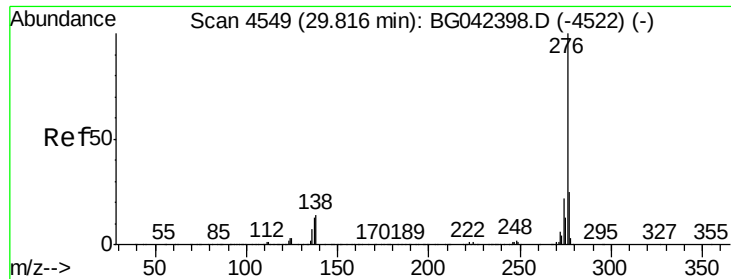
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#90
Benzo(a)pyrene
Concen: 9.176 ng
RT: 24.77 min Scan# 3690
Delta R.T. -0.02 min
Lab File: BG042551.D
Acq: 29 Aug 2019 3:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.4	27.6
125	6.5	6.0	9.0





#92

Benzo(a,h,i)perylene

Concen: 5.888 ng

RT: 29.77 min Scan# 4541

Delta R.T. -0.05 min

Lab File: BG042551.D

Acq: 29 Aug 2019 3:19

Instrument :

BNA_G

ClientSampleId :

TP-2-D

Tot Ion:	276	Resp:	104369
Ion Ratio		Lower	Upper
276	100		
277	22.9	19.8	29.8
138	14.7	11.4	17.0

Manual Integrations
APPROVED

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