

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082719\
 Data File : BG042522.D
 Acq On : 28 Aug 2019 2:34
 Operator : HP/JU
 Sample : K4526-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 T9-12-13-D-(0-1.9)

Manual Integrations
 APPROVED

Quant Time: Aug 28 04:14:27 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	37486	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	149036	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	115023	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	275225	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	321164	20.00	ng	-0.01
87) Perylene-d12	24.92	264	379979	20.00	ng	-0.02

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System Monitoring Compounds

5) 2-Fluorophenol	5.56	112	208336	112.56	ng	0.00
7) Phenol-d6	7.16	99	279594	111.83	ng	-0.01
23) Nitrobenzene-d5	9.16	82	162826	75.50	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	194151	118.76	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	541103	79.56	ng	0.00
79) Terphenyl-d14	20.02	244	1080541	72.74	ng	0.00

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Target Compounds

						Qvalue
10) Phenol	7.19	94	12474	4.907	ng	84
50) Dimethylphthalate	14.11	163	41075	4.949	ng	100
71) Phenanthrene	17.45	178	53672	3.926	ng	96
75) Fluoranthene	19.46	202	162689	9.751	ng	94
78) Pyrene	19.82	202	143317	7.279	ng	96
81) Benzo(a)anthracene	21.66	228	83327	4.265	ng	97
83) Chrysene	21.73	228	87306	4.634	ng	97
86) Indeno(1,2,3-cd)pyrene	28.62	276	64280m	2.510	ng	
88) Benzo(b)fluoranthene	23.89	252	126354	6.049	ng	98
89) Benzo(k)fluoranthene	23.96	252	41815m	2.082	ng	
90) Benzo(a)pyrene	24.77	252	81377	4.105	ng	97
92) Benzo(a,h,i)perylene	29.77	276	62555	3.116	ng	96

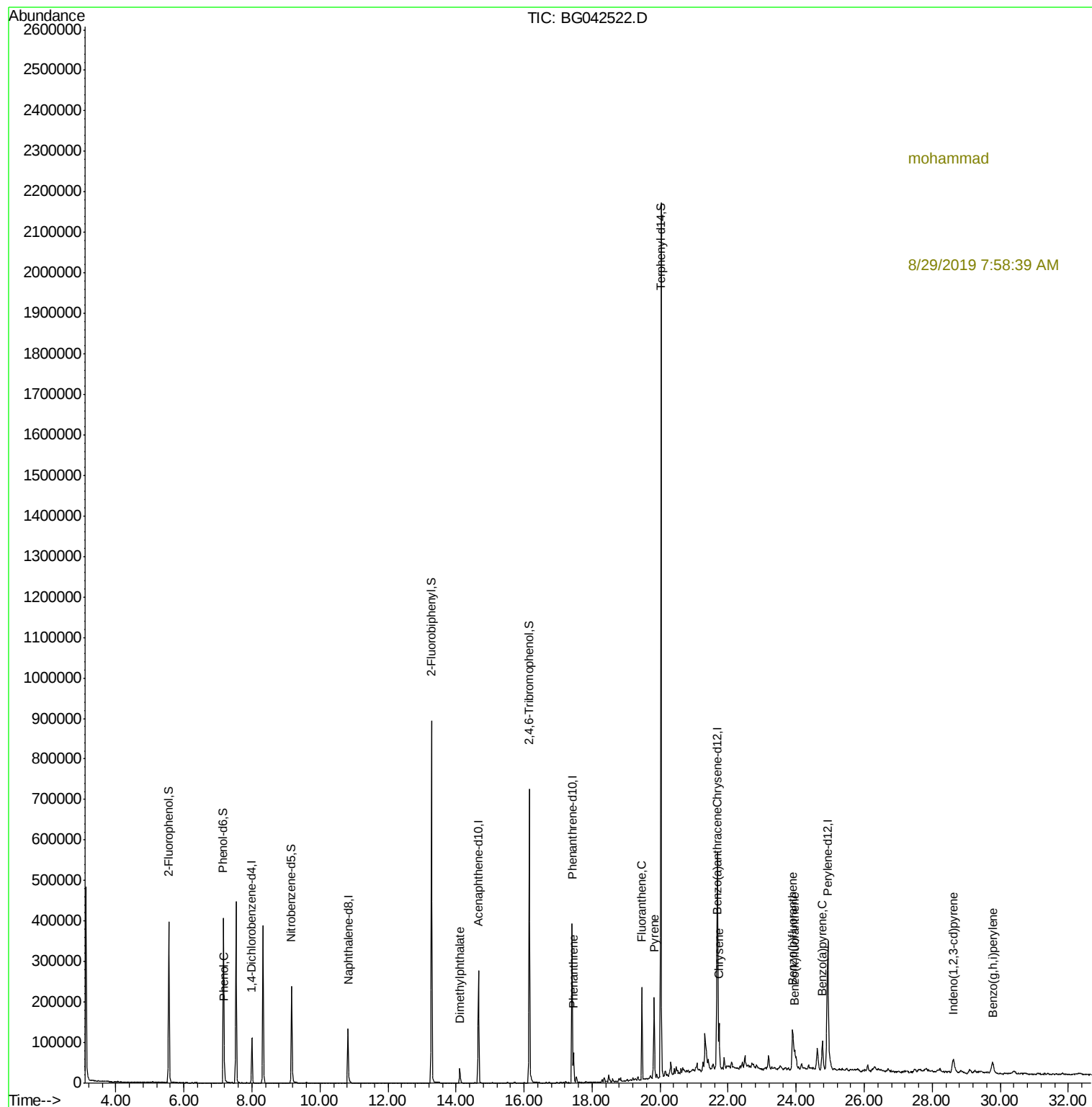
(#) = qualifier out of range (m) = manual integration (+) = signals summed

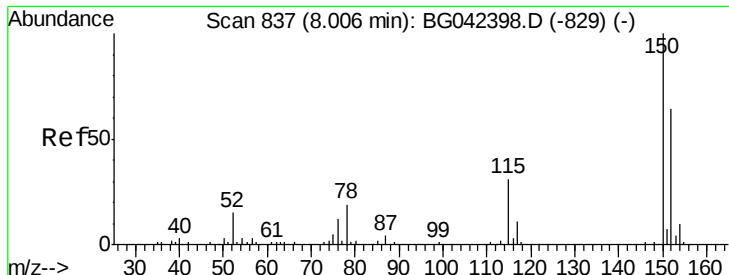
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082719\
Data File : BG042522.D
Acq On : 28 Aug 2019 2:34
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Instrument :
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ClientSampled :
T9-12-13-D-(0-1.9)

Manual Integrations
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Quant Time: Aug 28 04:14:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
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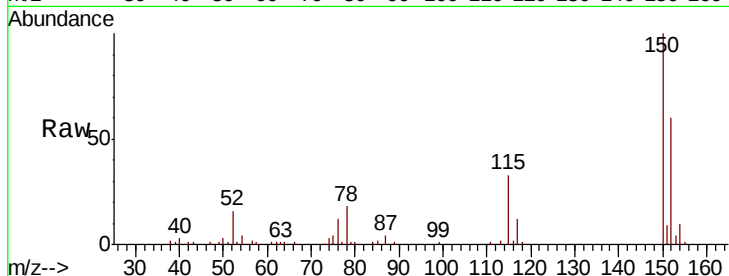
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042522.D
Acq: 28 Aug 2019 2:34

Instrument :
BNA_G
ClientSampleId :
T9-12-13-D-(0-1.9)

Tot Ion	Ratio	Lower	Upper
152	100		
150	165.6	125.4	188.0
115	54.9	38.5	57.7

Manual Integrations
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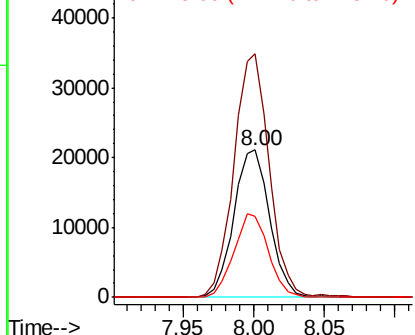
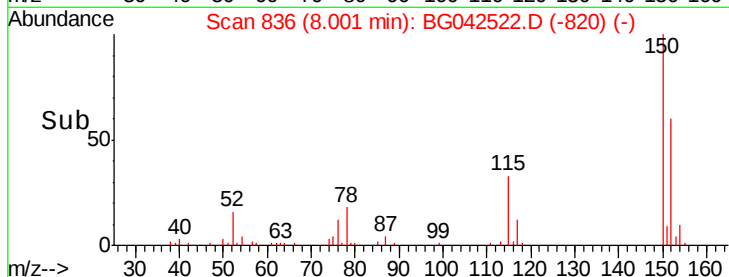


Abundance

Ion 152.00 (151.70 to 152.70): E

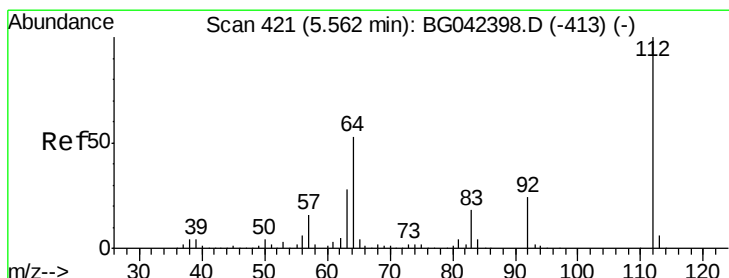
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



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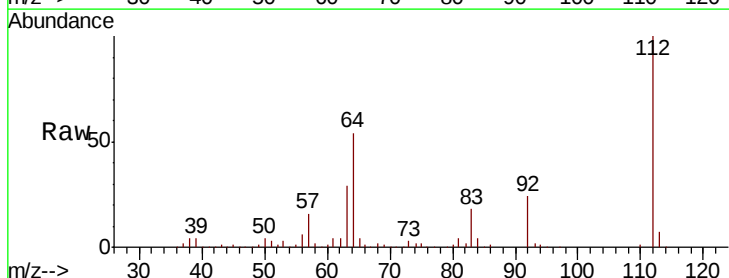
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#5

2-Fluorophenol
Concen: 112.560 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042522.D
Acq: 28 Aug 2019 2:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.7	42.8	64.2
63	28.6	22.7	34.1

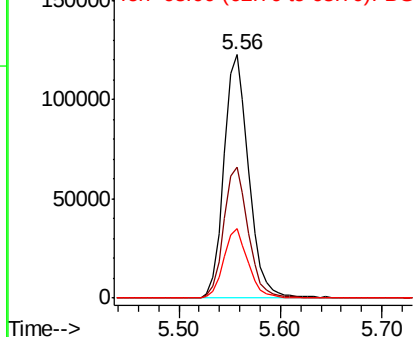
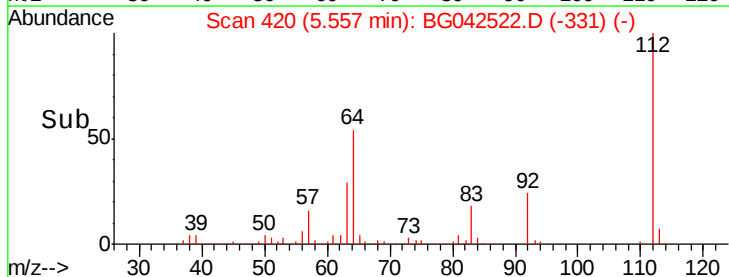


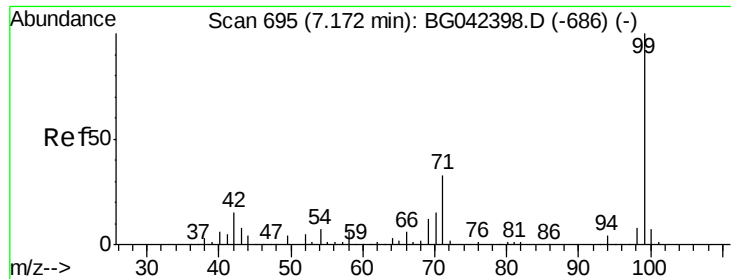
Abundance

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: 111.831 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042522.D

Acq: 28 Aug 2019 2:34

Instrument :

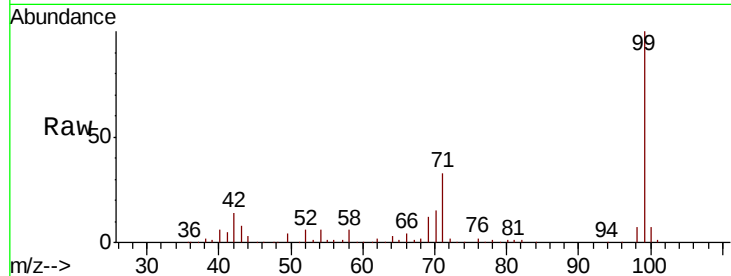
BNA_G

ClientSampleId :

T9-12-13-D-(0-1.9)

Tot Ion:	99	Resp:	279594
Ion	Ratio	Lower	Upper
99	100		
42	14.3	12.0	18.0
71	33.4	26.3	39.5

Manual Integrations
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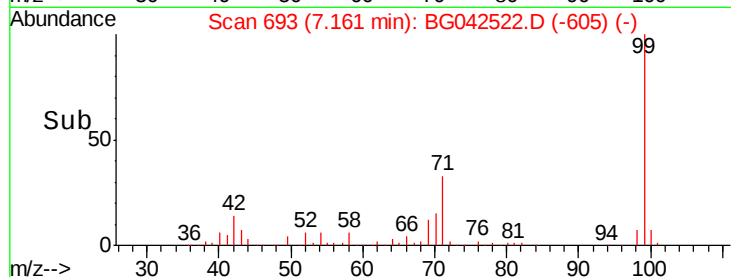
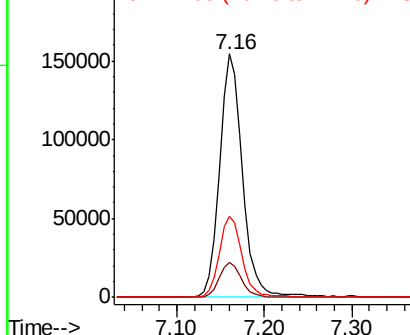


Abundance

Ion 99.00 (98.70 to 99.70): BGC

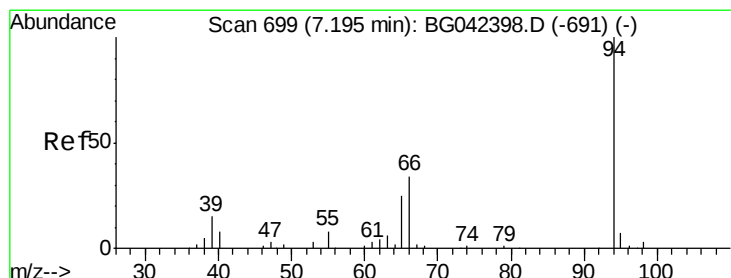
Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



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#10

Phenol

Concen: 4.907 ng

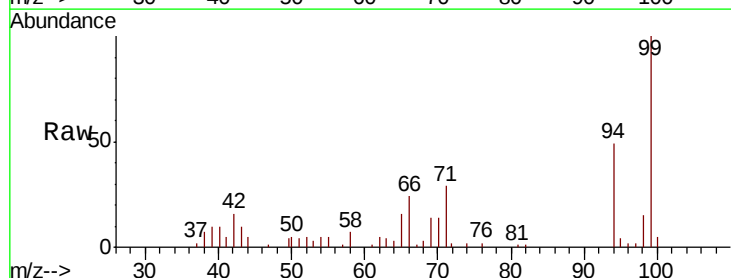
RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG042522.D

Acq: 28 Aug 2019 2:34

Tgt Ion:	94	Resp:	12474
Ion	Ratio	Lower	Upper
94	100		
65	31.3	5.6	45.6
66	47.7	16.0	56.0

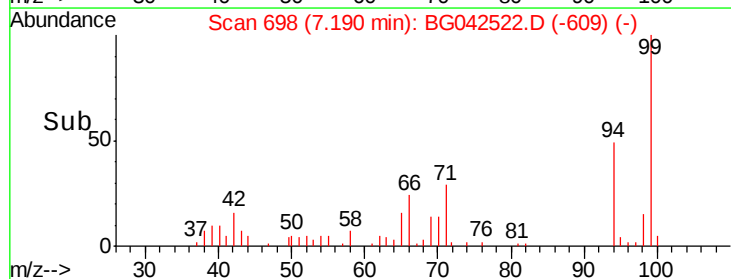
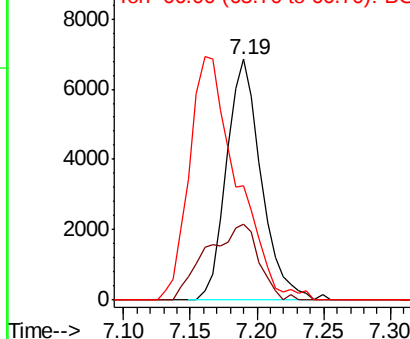


Abundance

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: BG042522.D

Acq: 28 Aug 2019 2:34

Instrument :

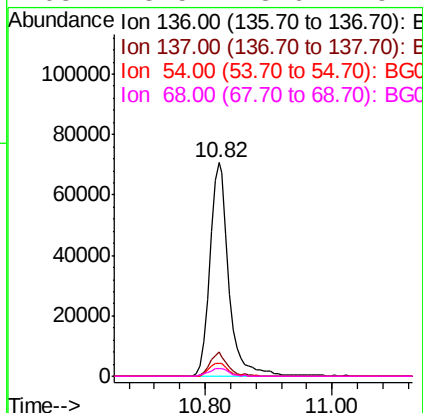
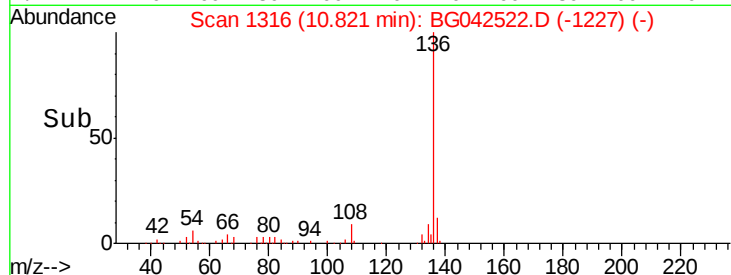
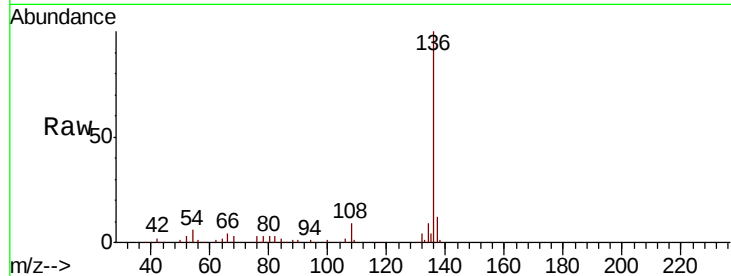
BNA_G

ClientSampleId :

T9-12-13-D-(0-1.9)

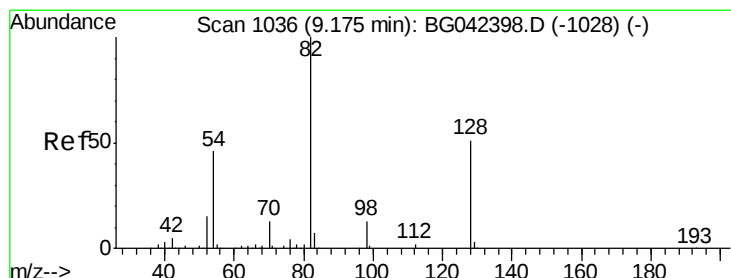
Tot Ion	Ratio	Resp	Lower	Upper
136	100	149036		
137	11.6	8.7	13.1	
54	6.1	4.9	7.3	
68	3.5	3.6	5.4	

Manual Integrations
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#23

Nitrobenzene-d5

Concen: 75.498 ng

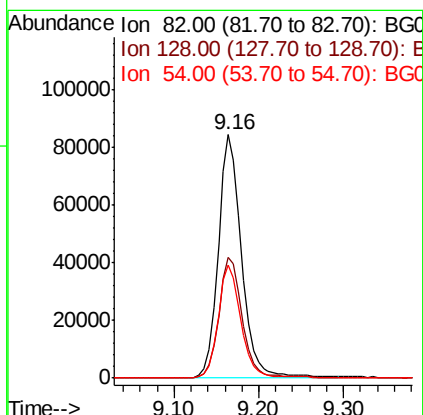
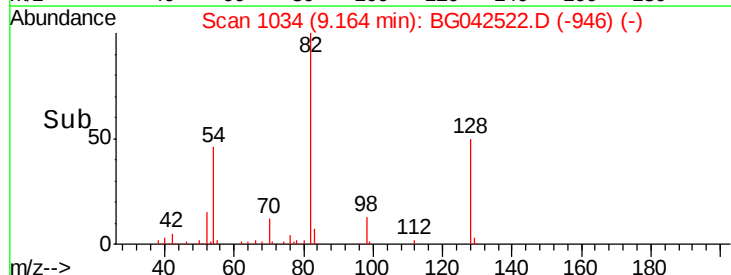
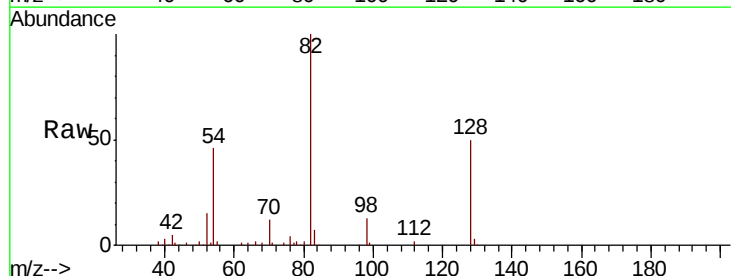
RT: 9.16 min Scan# 1034

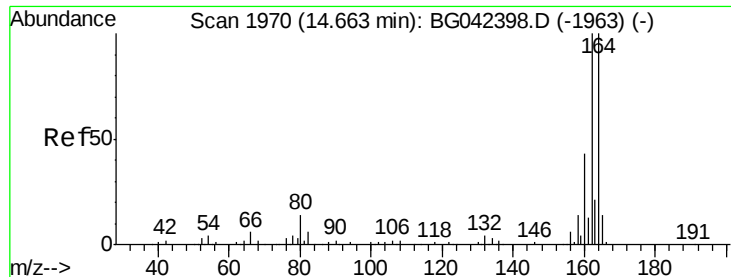
Delta R.T. -0.01 min

Lab File: BG042522.D

Acq: 28 Aug 2019 2:34

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	162826		
128	49.6	40.7	61.1	
54	46.2	36.3	54.5	



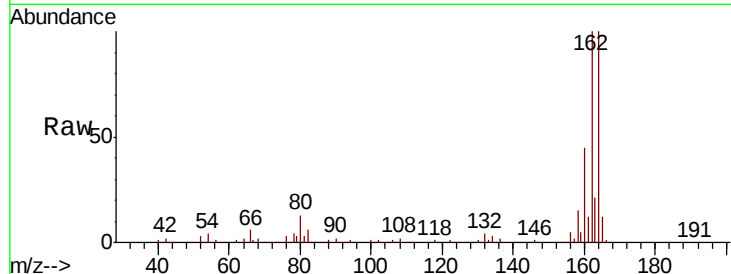


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042522.D
Acq: 28 Aug 2019 2:34

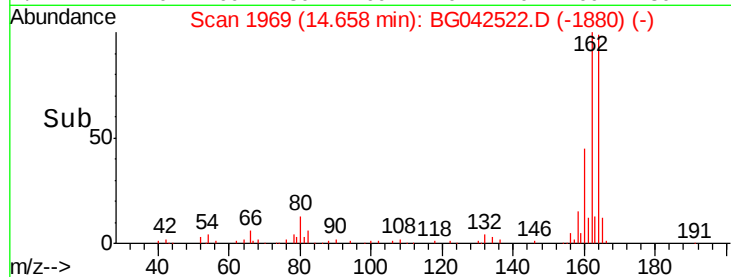
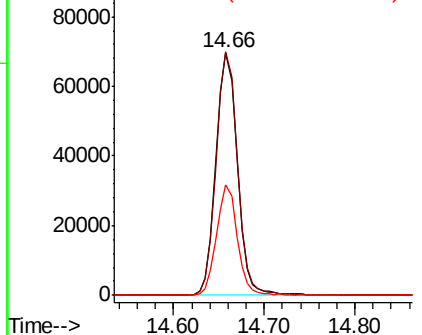
Instrument :
BNA_G
ClientSampleId :
T9-12-13-D-(0-1.9)

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.3	79.9	119.9
160	45.3	34.3	51.5

Manual Integrations
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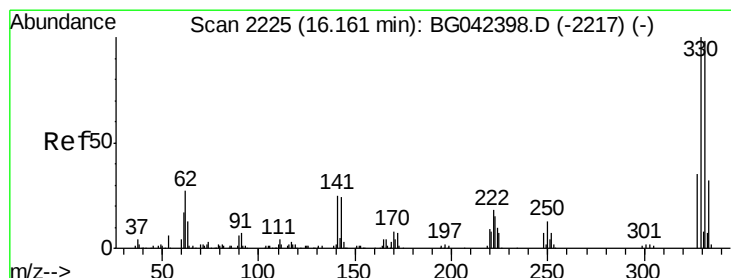


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



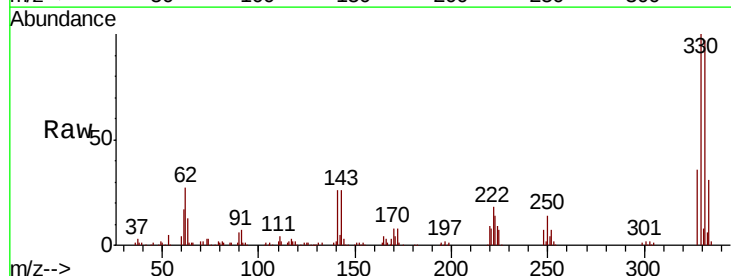
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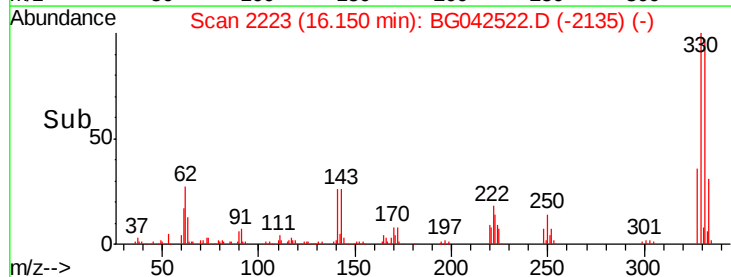
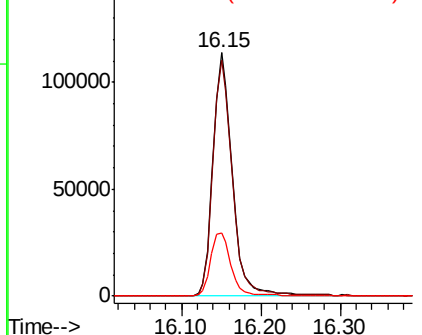


#42
2,4,6-Tribromophenol
Concen: 118.757 ng
RT: 16.15 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BG042522.D
Acq: 28 Aug 2019 2:34

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.2	77.4	116.0
141	27.6	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



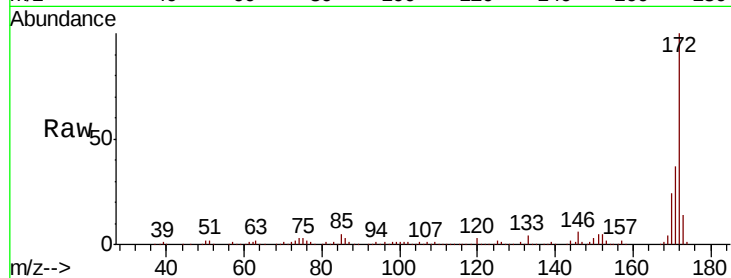


#45
2-Fluorobiphenyl
Concen: 79.563 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.01 min
Lab File: BG042522.D
Acq: 28 Aug 2019 2:34

Instrument :
BNA_G
ClientSampleId :
T9-12-13-D-(0-1.9)

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	37.3		30.5	45.7
170	24.1		20.2	30.2

Manual Integrations
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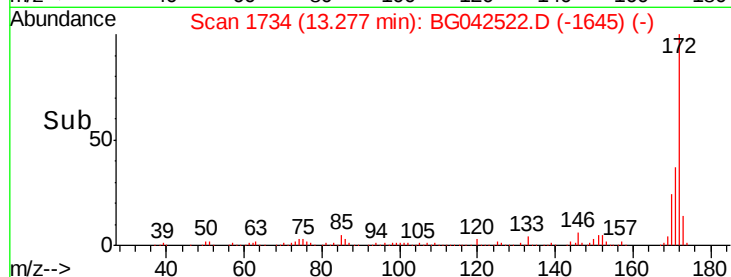
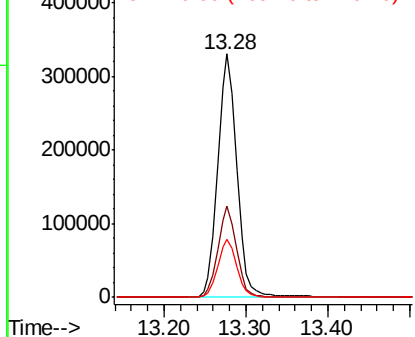


Abundance

Ion 172.00 (171.70 to 172.70): E

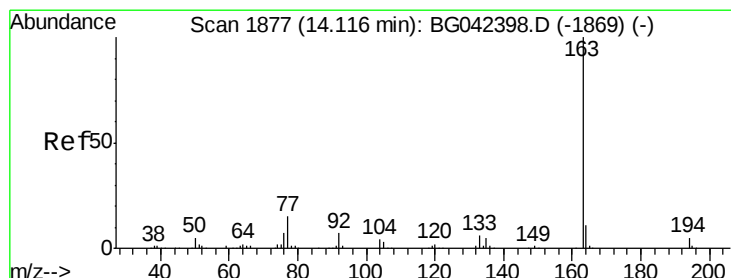
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



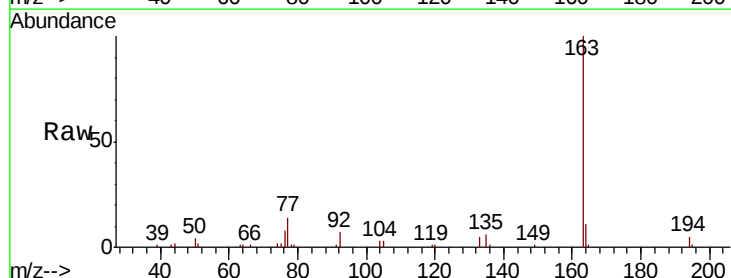
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#50
Dimethylphthalate
Concen: 4.949 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG042522.D
Acq: 28 Aug 2019 2:34

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	5.4		4.2	6.2
164	11.1		8.8	13.2

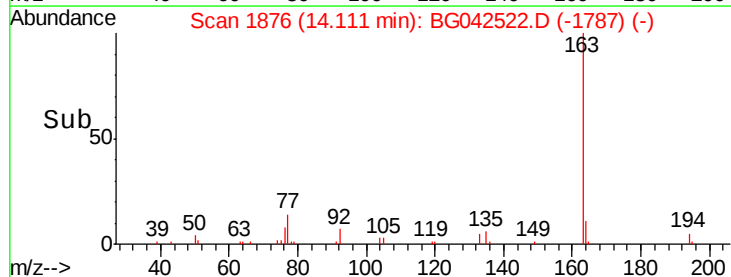
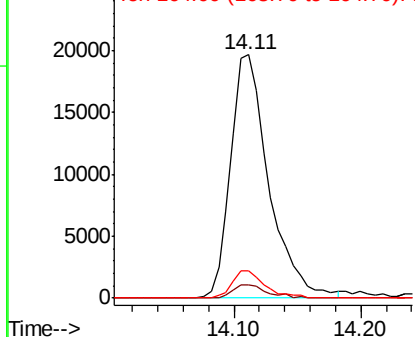


Abundance

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



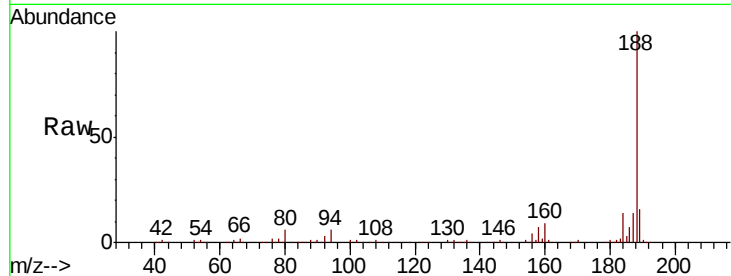


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2437
Delta R.T. -0.01 min
Lab File: BG042522.D
Acq: 28 Aug 2019 2:34

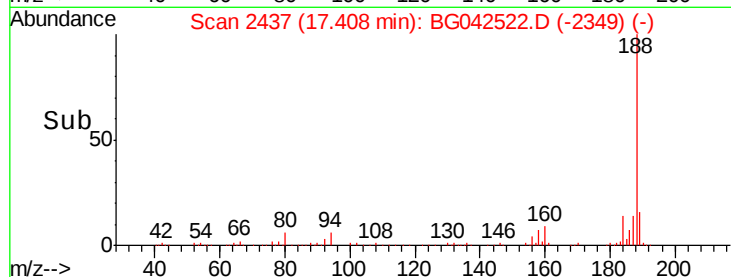
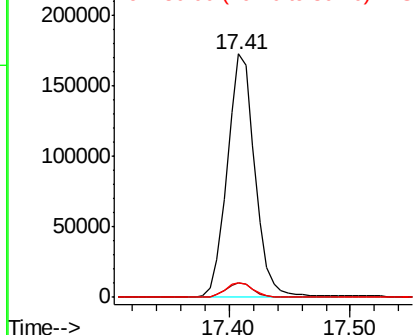
Instrument :
BNA_G
ClientSampleId :
T9-12-13-D-(0-1.9)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	275225		
94	5.8		4.5	6.7
80	6.1		4.9	7.3

Manual Integrations
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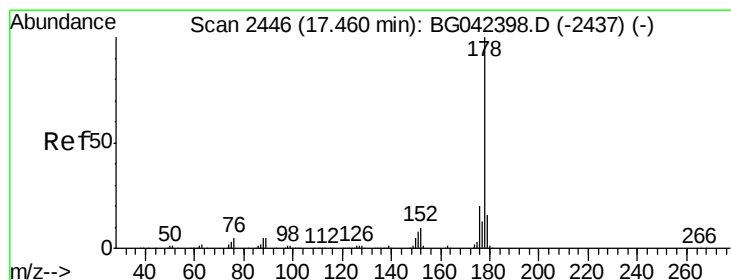


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG



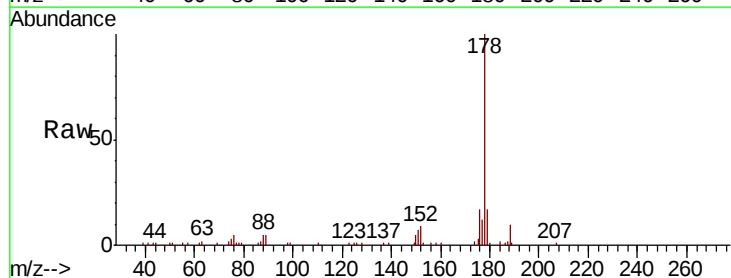
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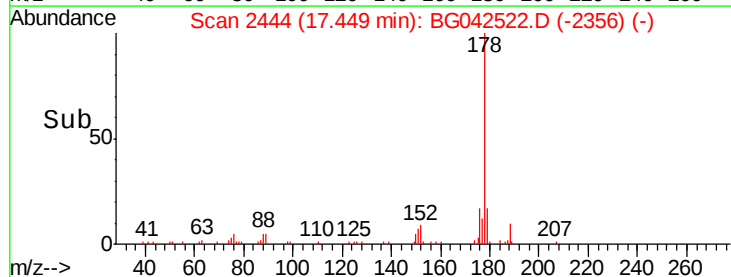
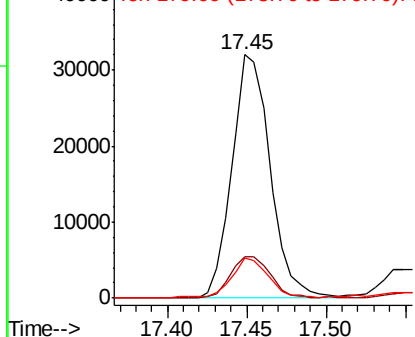


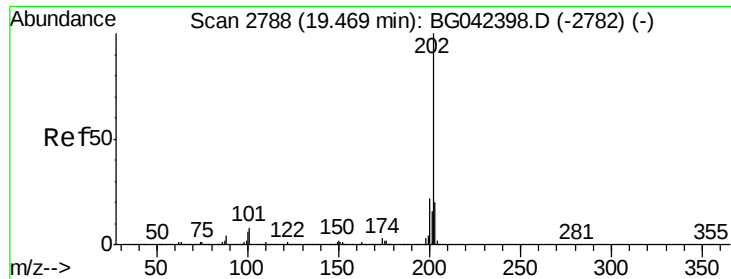
#71
Phenanthrene
Concen: 3.926 ng
RT: 17.45 min Scan# 2444
Delta R.T. -0.01 min
Lab File: BG042522.D
Acq: 28 Aug 2019 2:34

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	53672		
176	16.9		15.9	23.9
179	16.7		12.7	19.1



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: 9.751 ng

RT: 19.46 min Scan# 2787

Delta R.T. -0.01 min

Lab File: BG042522.D

Acq: 28 Aug 2019 2:34

Instrument :

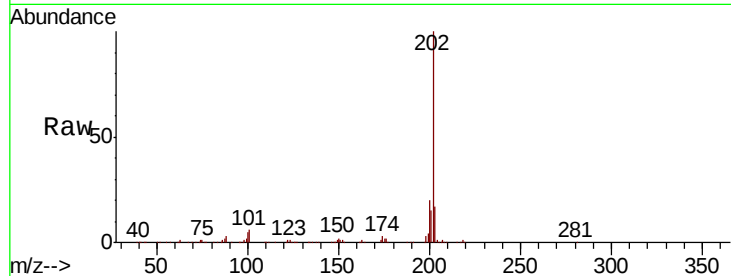
BNA_G

ClientSampleId :

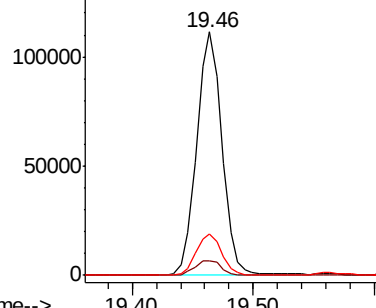
T9-12-13-D-(0-1.9)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	162689		
101	6.1	0.0	28.3	
203	17.0	0.0	39.6	

Manual Integrations
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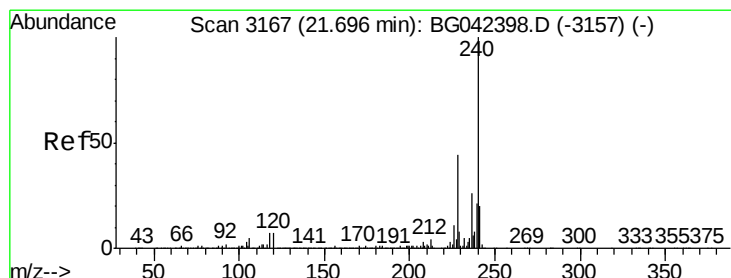
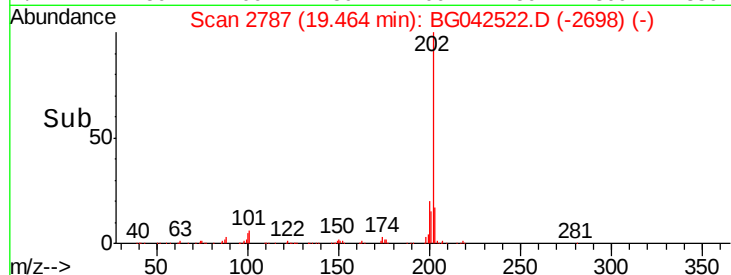


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



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#76

Chrysene-d12

Concen: 20.000 ng

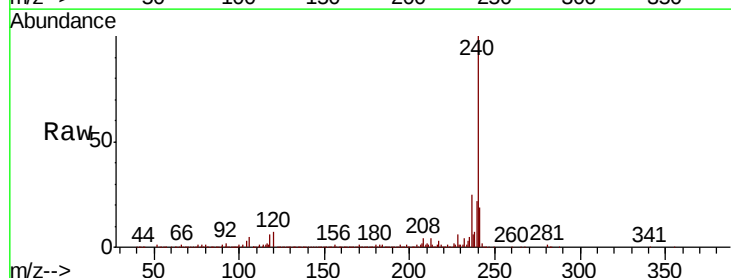
RT: 21.68 min Scan# 3165

Delta R.T. -0.01 min

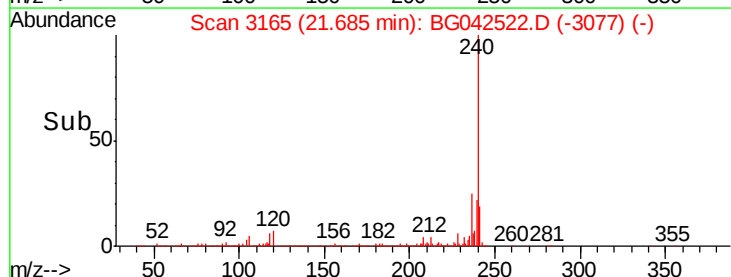
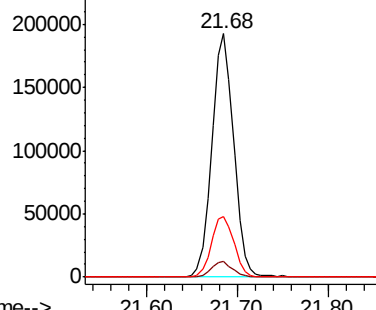
Lab File: BG042522.D

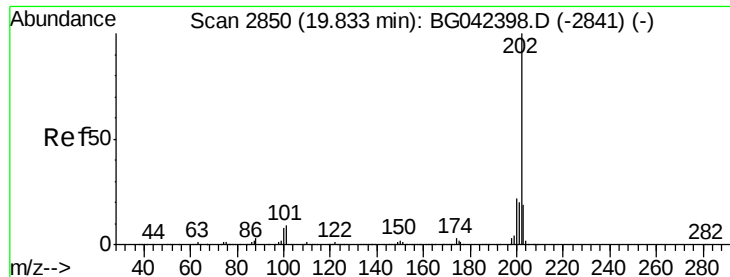
Acq: 28 Aug 2019 2:34

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	321164		
120	6.6	5.7	8.5	
236	25.0	21.0	31.4	



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



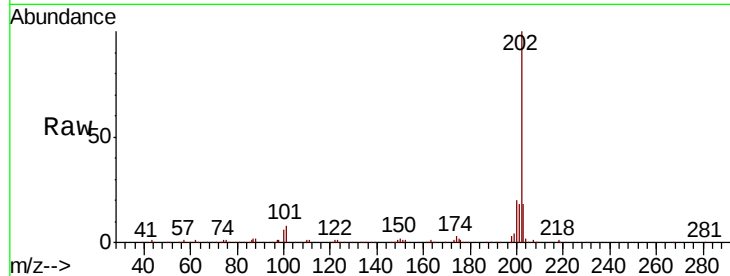


#78
Pvrene
Concen: 7.279 ng
RT: 19.82 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BG042522.D
Acq: 28 Aug 2019 2:34

Instrument :
BNA_G
ClientSampleId :
T9-12-13-D-(0-1.9)

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.8	26.6
203	18.2	15.5	23.3

Manual Integrations
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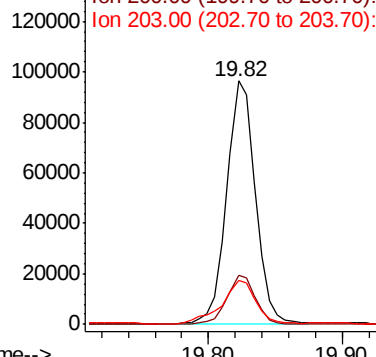


Abundance

Ion 202.00 (201.70 to 202.70): E

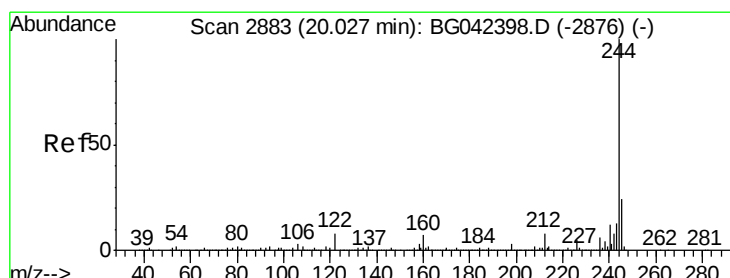
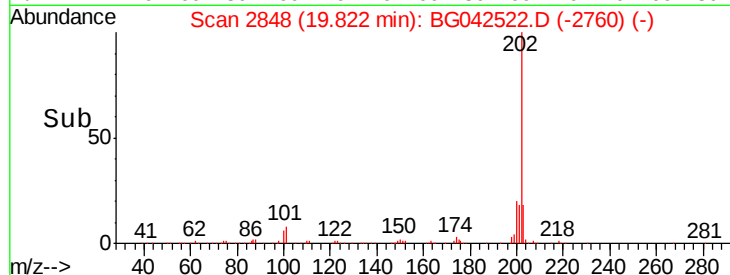
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



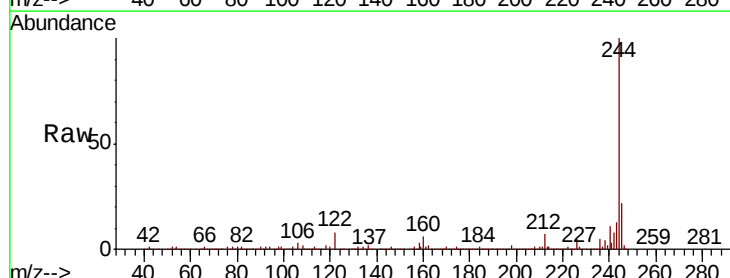
mohammad

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#79
Terphenyl-d14
Concen: 72.737 ng
RT: 20.02 min Scan# 2882
Delta R.T. -0.01 min
Lab File: BG042522.D
Acq: 28 Aug 2019 2:34

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	7.5	6.7	10.1

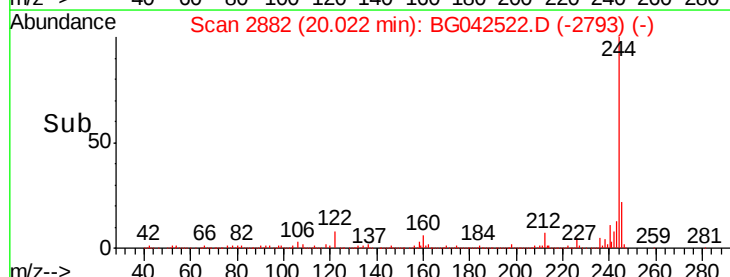
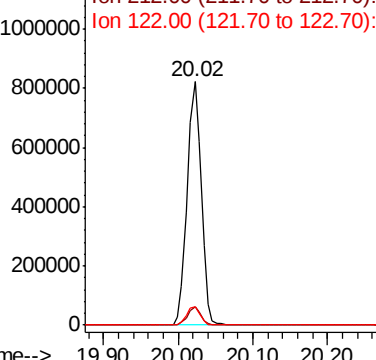


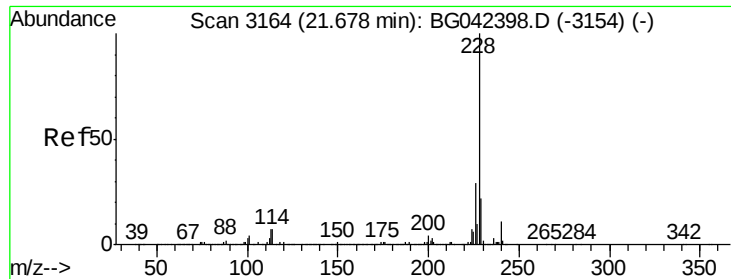
Abundance

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: 4.265 ng

RT: 21.66 min Scan# 3161

Delta R.T. -0.02 min

Lab File: BG042522.D

Acq: 28 Aug 2019 2:34

Instrument :

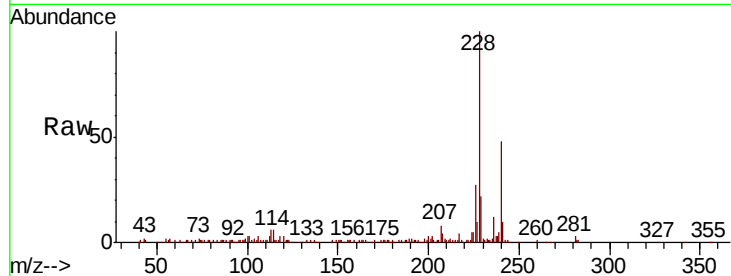
BNA_G

ClientSampleId :

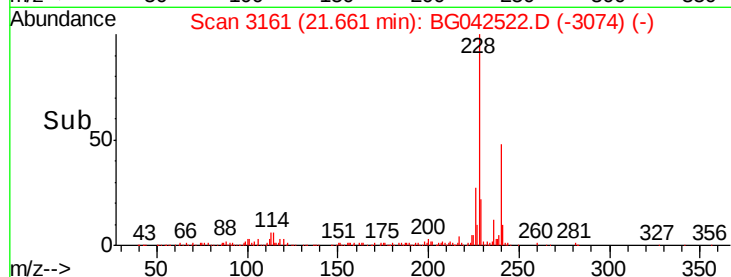
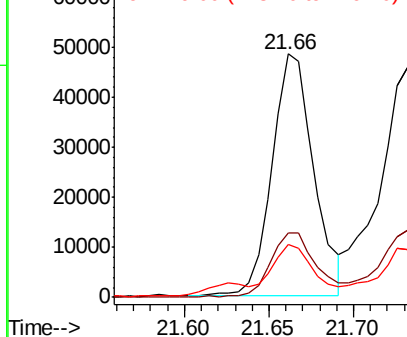
T9-12-13-D-(0-1.9)

Tot Ion:	228	Resp:	83327
Ion Ratio	Lower	Upper	
228	100		
226	26.6	23.4	35.2
229	21.8	17.4	26.2

Manual Integrations
APPROVED

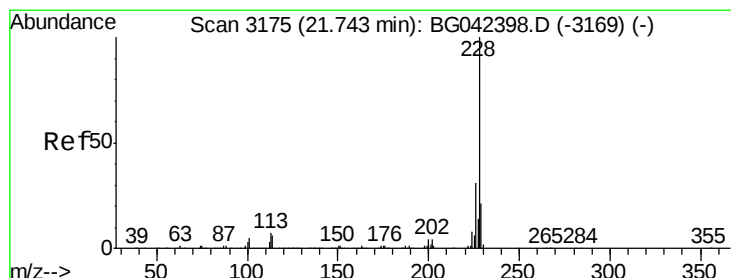


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



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#83

Chrysene

Concen: 4.634 ng

RT: 21.73 min Scan# 3173

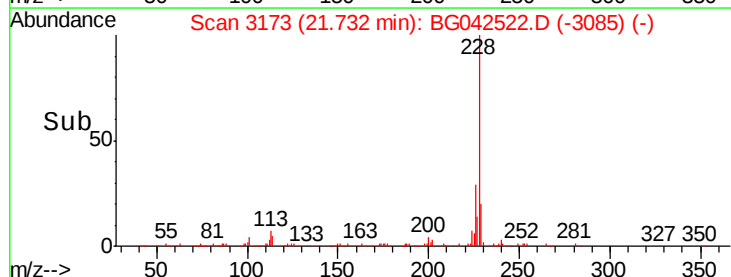
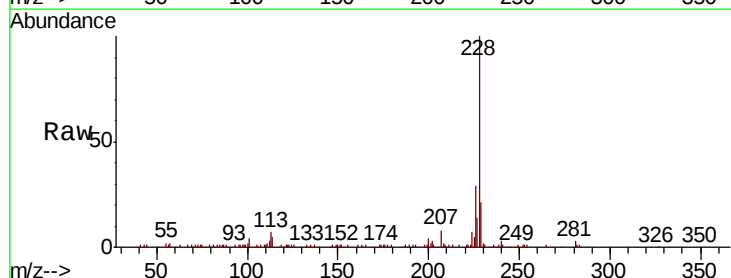
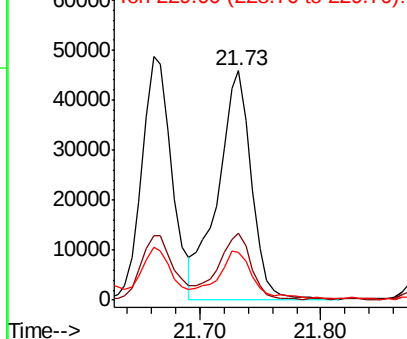
Delta R.T. -0.01 min

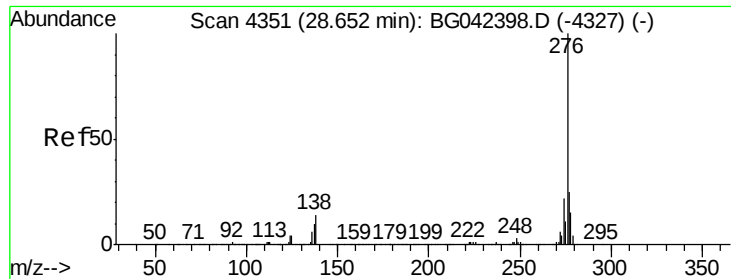
Lab File: BG042522.D

Acq: 28 Aug 2019 2:34

Tgt Ion:	228	Resp:	87306
Ion Ratio	Lower	Upper	
228	100		
226	29.0	24.9	37.3
229	20.6	16.9	25.3

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: 2.510 ng

RT: 28.62 min Scan# 4345

Delta R.T. -0.03 min

Lab File: BG042522.D

Acq: 28 Aug 2019 2:34

Instrument :

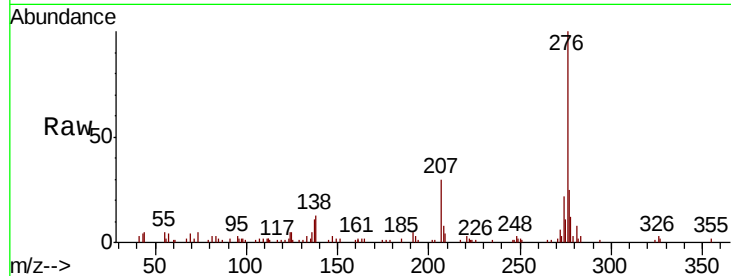
BNA_G

ClientSampleId :

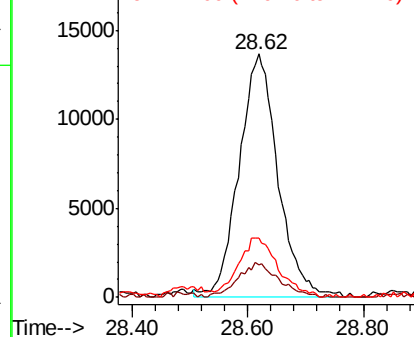
T9-12-13-D-(0-1.9)

Tot Ion:	276	Resp:	64280
Ion Ratio	Lower	Upper	
276	100		
138	1.3	9.2	13.8#
277	3.9	21.0	31.6#

Manual Integrations
APPROVED

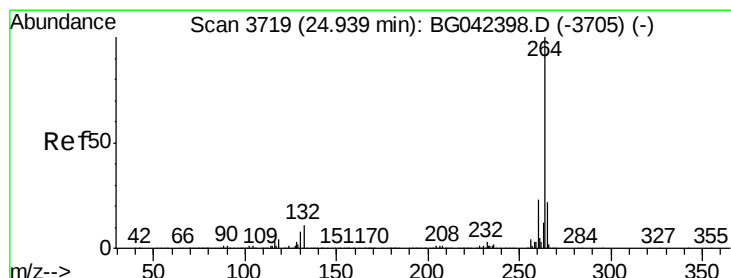
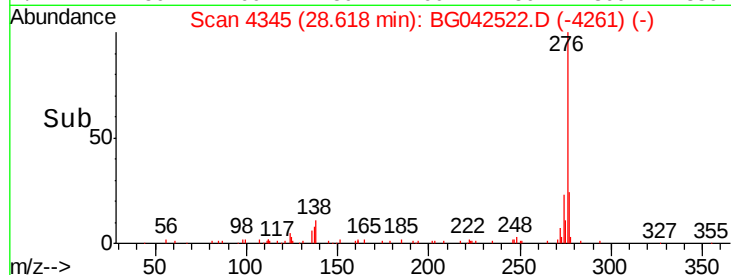


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



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#87

Perylene-d12

Concen: 20.000 ng

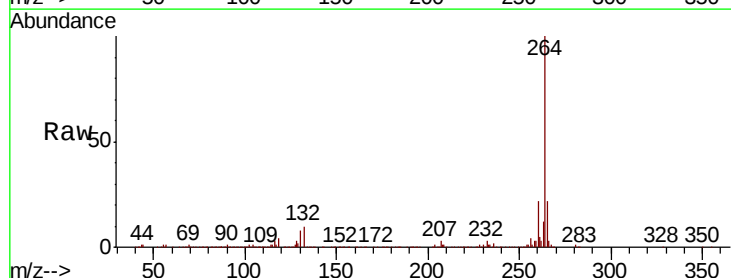
RT: 24.92 min Scan# 3716

Delta R.T. -0.02 min

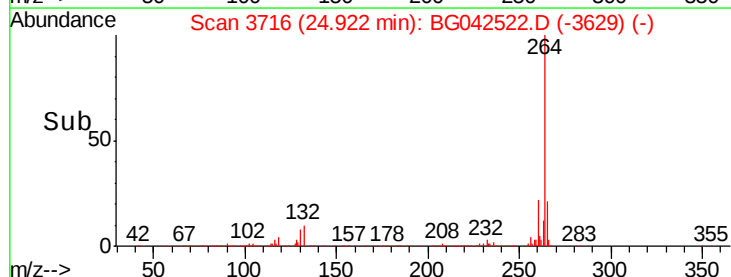
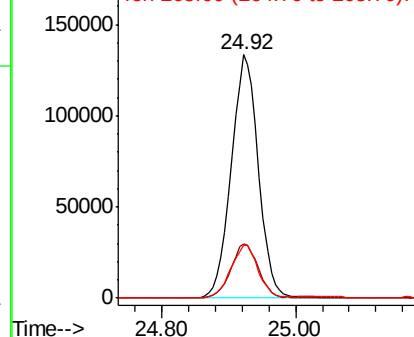
Lab File: BG042522.D

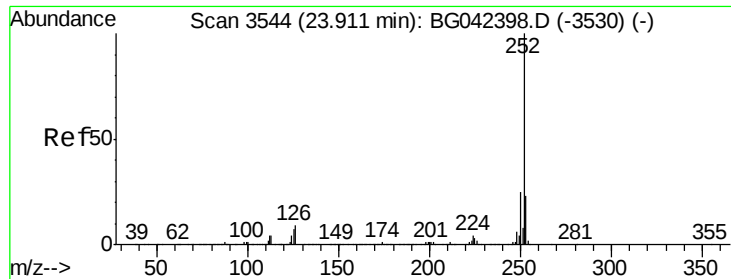
Acq: 28 Aug 2019 2:34

Tgt Ion:	264	Resp:	379979
Ion Ratio	Lower	Upper	
264	100		
260	22.0	18.5	27.7
265	21.6	17.6	26.4



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: 6.049 ng

RT: 23.89 min Scan# 3541

Delta R.T. -0.02 min

Lab File: BG042522.D

Acq: 28 Aug 2019 2:34

Instrument :

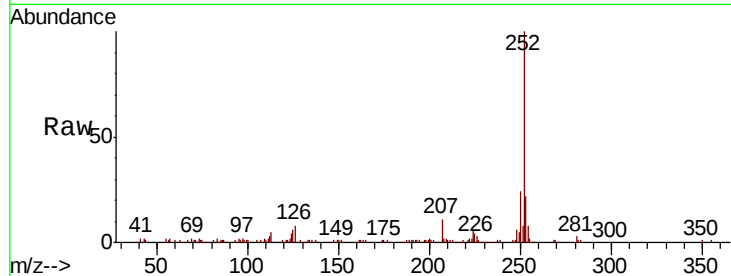
BNA_G

ClientSampled :

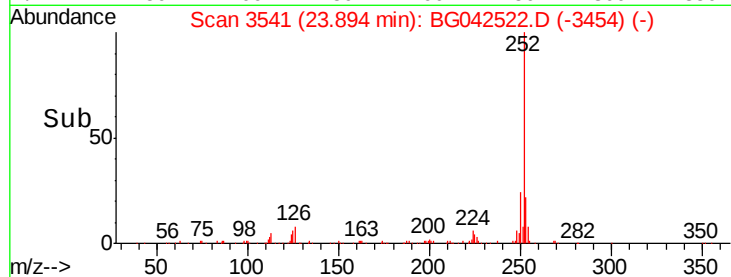
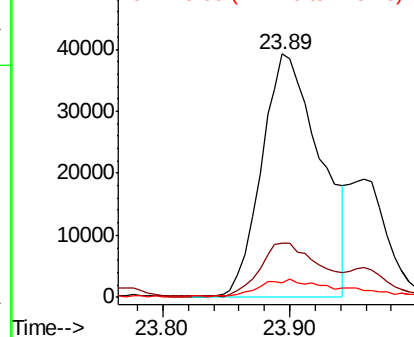
T9-12-13-D-(0-1.9)

Tot Ion:	252	Resp:	126354
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.6	27.8
125	5.9	5.6	8.4

Manual Integrations
APPROVED

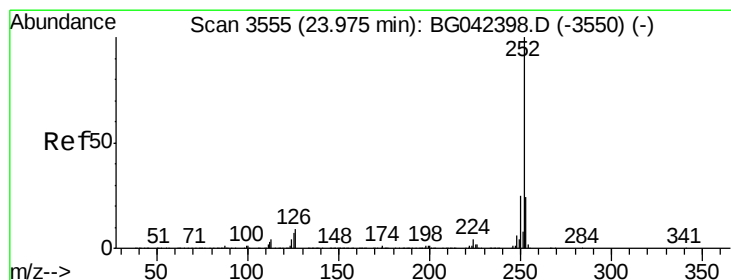


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



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#89

Benzo(k)fluoranthene

Concen: 2.082 ng m

RT: 23.96 min Scan# 3552

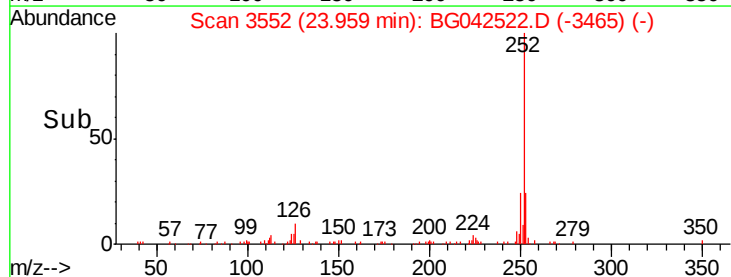
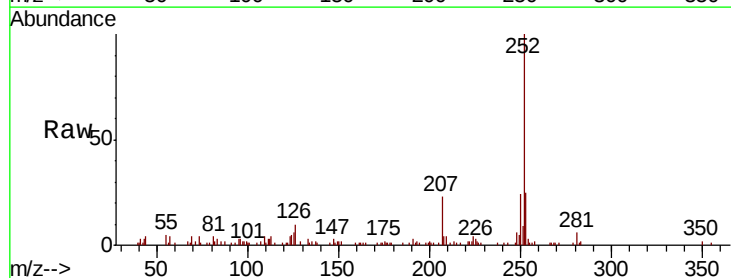
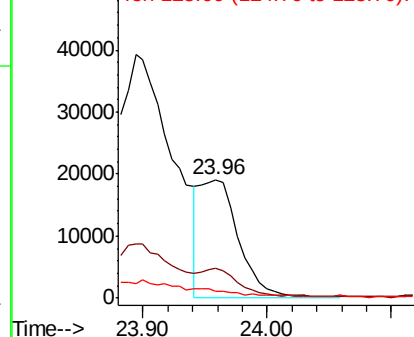
Delta R.T. -0.02 min

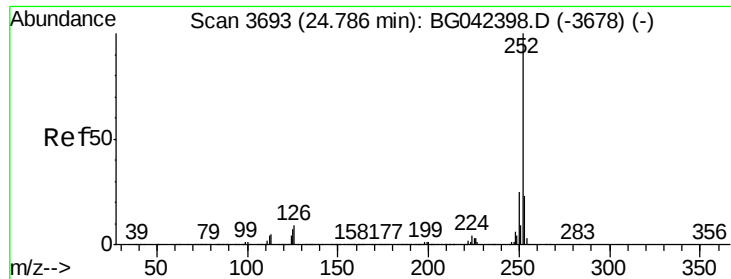
Lab File: BG042522.D

Acq: 28 Aug 2019 2:34

Tgt Ion:	252	Resp:	41815
Ion Ratio	Lower	Upper	
252	100		
253	25.3	18.6	27.8
125	5.8	5.8	8.6

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



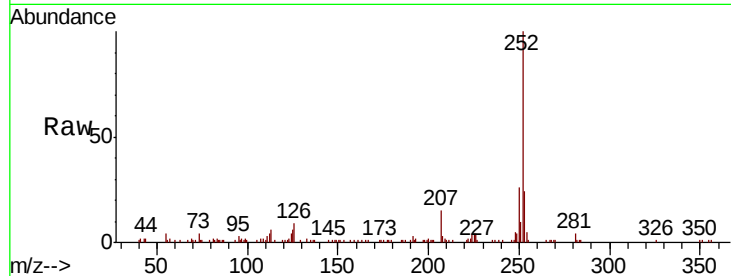


#90
Benzo(a)pyrene
Concen: 4.105 ng
RT: 24.77 min Scan# 3690
Delta R.T. -0.02 min
Lab File: BG042522.D
Acq: 28 Aug 2019 2:34

Instrument :
BNA_G
ClientSampleId :
T9-12-13-D-(0-1.9)

Tot Ion:	252	Resp:	81377
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.4	27.6
125	6.5	6.0	9.0

Manual Integrations
APPROVED

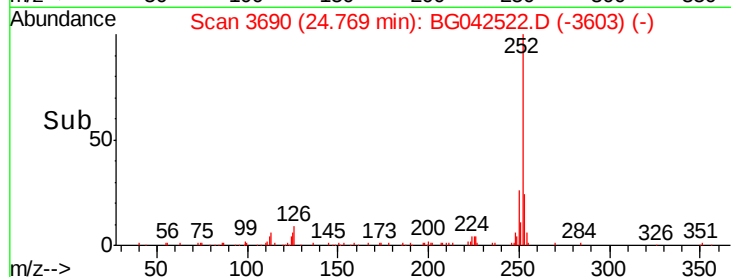
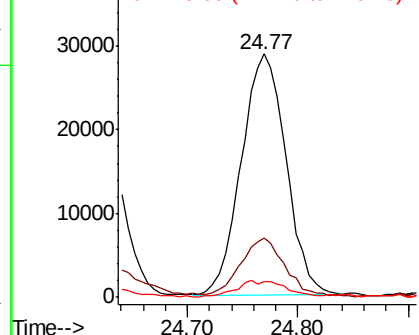


Abundance

Ion 252.00 (251.70 to 252.70): E

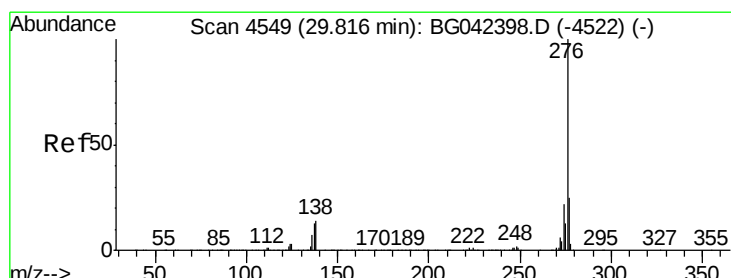
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



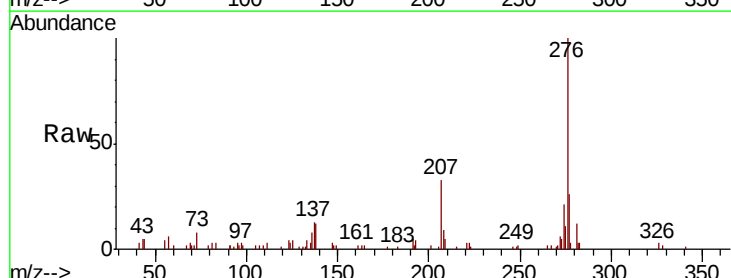
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#92
Benzo(g,h,i)perylene
Concen: 3.116 ng
RT: 29.77 min Scan# 4541
Delta R.T. -0.05 min
Lab File: BG042522.D
Acq: 28 Aug 2019 2:34

Tgt Ion:	276	Resp:	62555
Ion Ratio	Lower	Upper	
276	100		
277	26.4	19.8	29.8
138	12.4	11.4	17.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

