

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121719\
 Data File : BG043829.D
 Acq On : 17 Dec 2019 21:17
 Operator : JU
 Sample : K6310-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-01

Quant Time: Dec 18 02:30:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 09 18:16:57 2019
 Response via : Initial Calibration

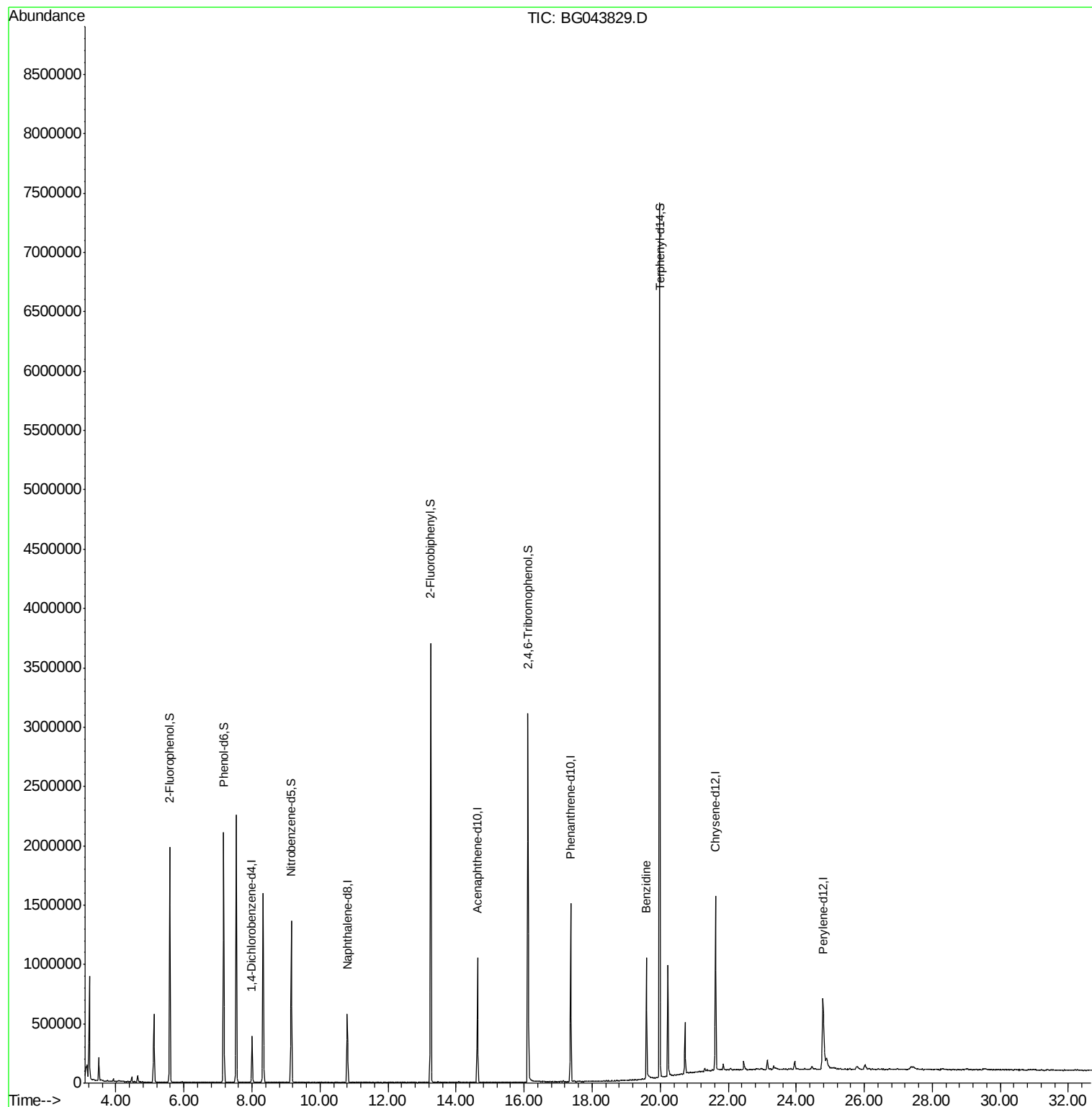
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	119096	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	511395	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	381061	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	949786	20.00	ng	0.00
76) Chrysene-d12	21.63	240	827263	20.00	ng	0.00
87) Perylene-d12	24.79	264	884481	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	905753	144.10	ng	0.00
7) Phenol-d6	7.17	99	1245503	137.40	ng	0.00
23) Nitrobenzene-d5	9.16	82	848394	93.15	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	574221	158.06	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1912768	88.17	ng	0.00
79) Terphenyl-d14	19.99	244	3050140	88.70	ng	0.00
Target Compounds						
77) Benzidine	19.59	184	650918	36.066	ng	Qvalue 98

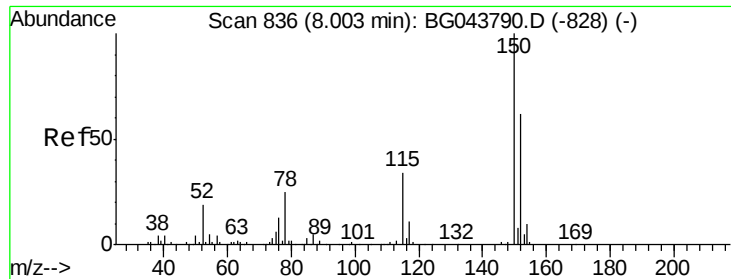
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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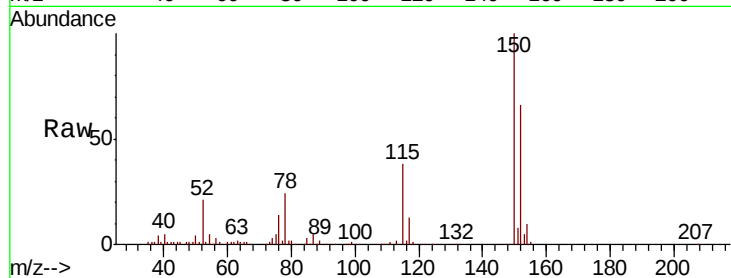


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BG043829.D
Acq: 17 Dec 2019 21:17

Instrument :
BNA_G
ClientSampleId :
SP-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	128.6	192.8
115	57.8	44.3	66.5

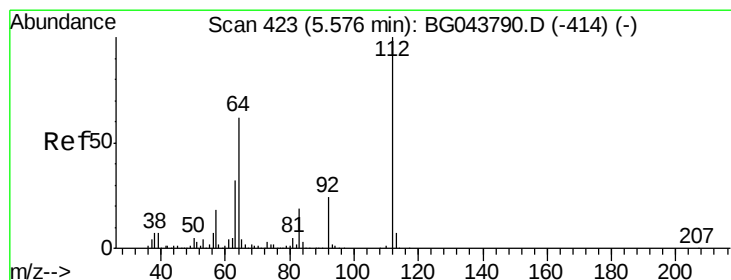
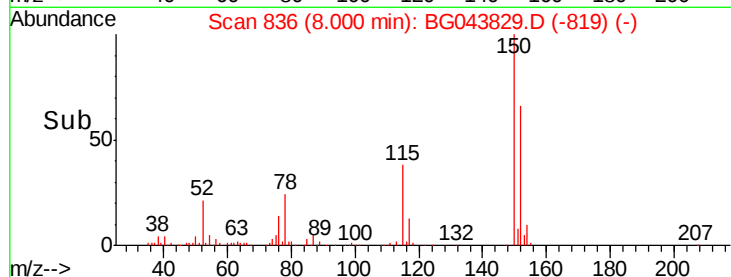
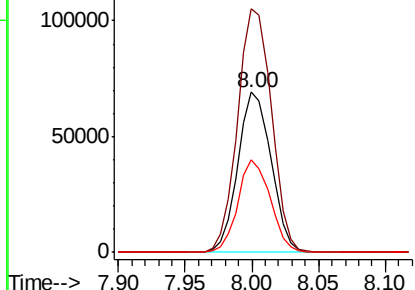


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

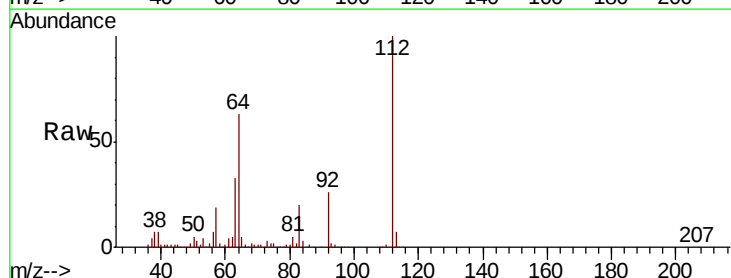
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 144.098 ng
RT: 5.58 min Scan# 425
Delta R.T. 0.01 min
Lab File: BG043829.D
Acq: 17 Dec 2019 21:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.1	49.9	74.9
63	32.5	26.0	39.0

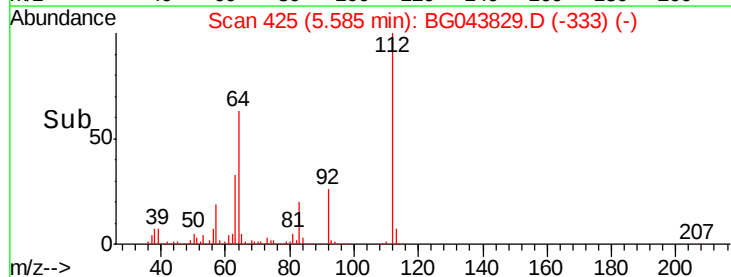
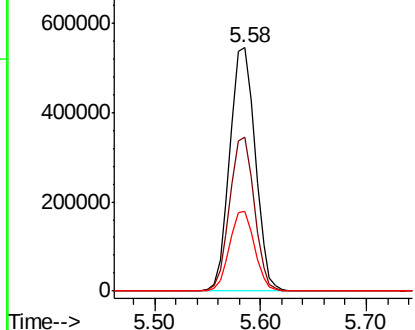


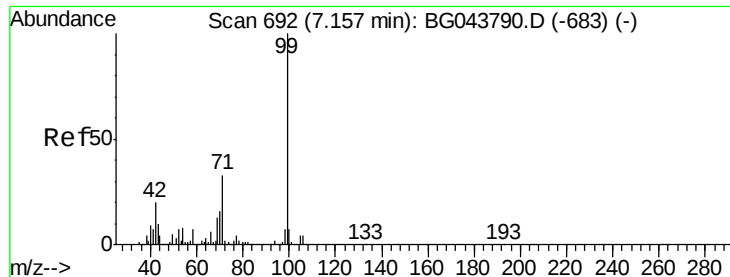
Abundance

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: 137.395 ng

RT: 7.17 min Scan# 694

Delta R.T. 0.01 min

Lab File: BG043829.D

Acq: 17 Dec 2019 21:17

Instrument :

BNA_G

ClientSampleId :

SP-01

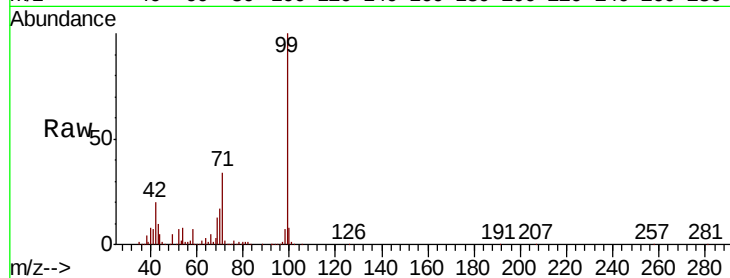
Tot Ion: 99 Resp: 1245503

Ion Ratio Lower Upper

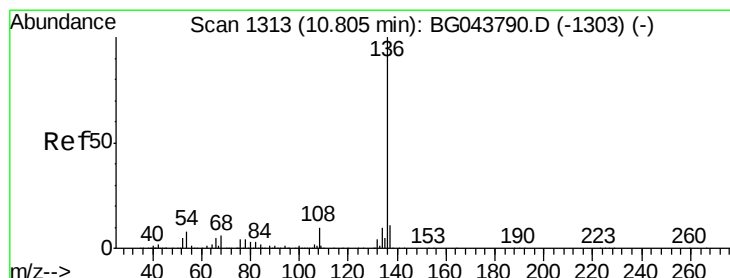
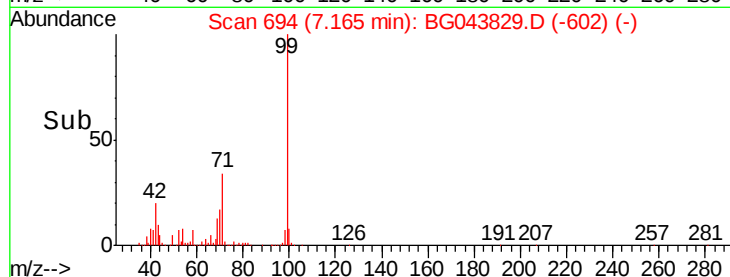
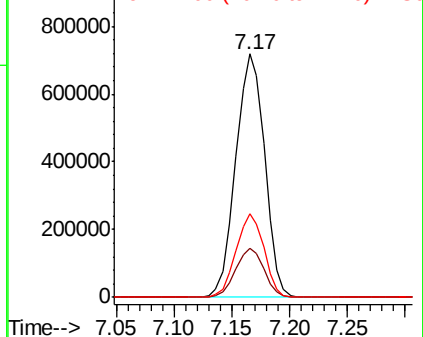
99 100

42 19.9 16.2 24.2

71 34.2 26.6 40.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.80 min Scan# 1313

Delta R.T. -0.00 min

Lab File: BG043829.D

Acq: 17 Dec 2019 21:17

Tgt Ion: 136 Resp: 511395

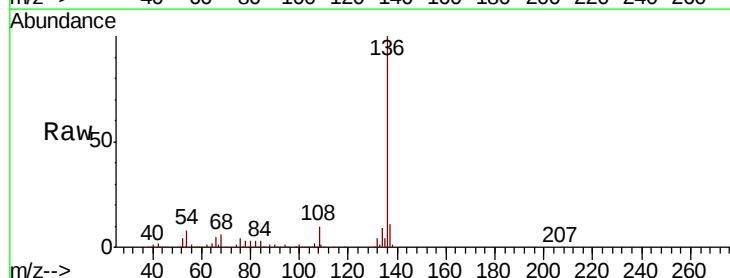
Ion Ratio Lower Upper

136 100

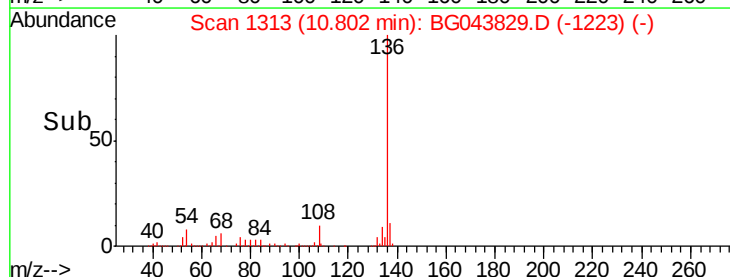
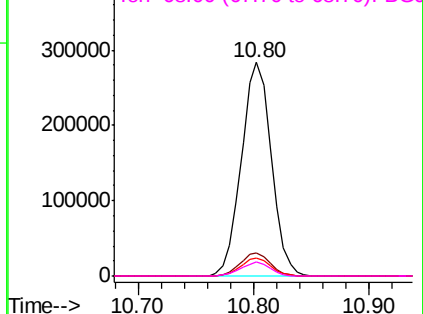
137 11.1 8.7 13.1

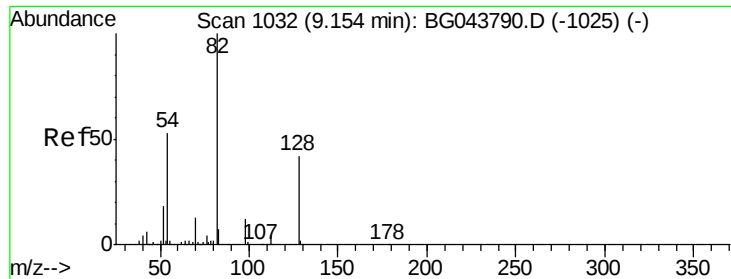
54 8.3 6.8 10.2

68 6.3 5.0 7.4



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

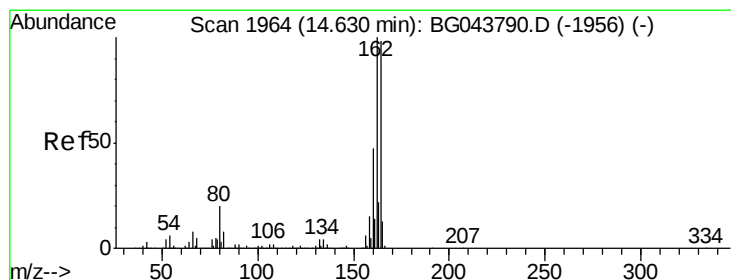
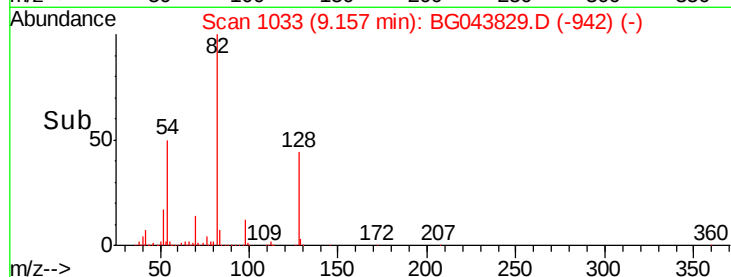
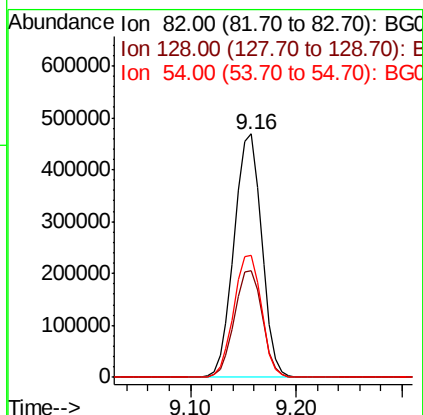
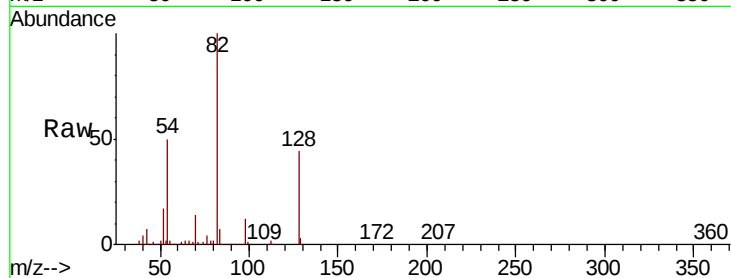




#23
 Nitrobenzene-d5
 Concen: 93.147 ng
 RT: 9.16 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: BG043829.D
 Acq: 17 Dec 2019 21:17

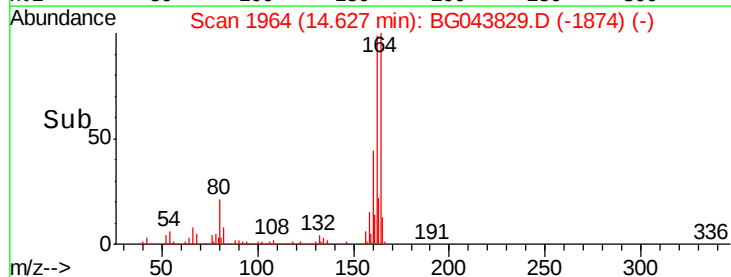
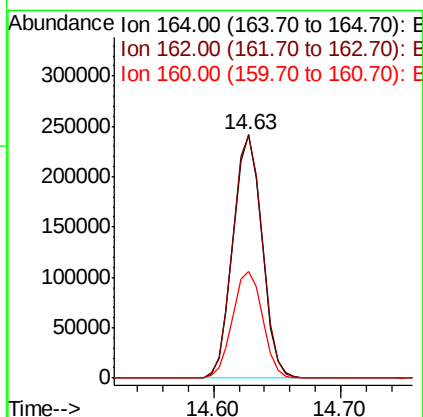
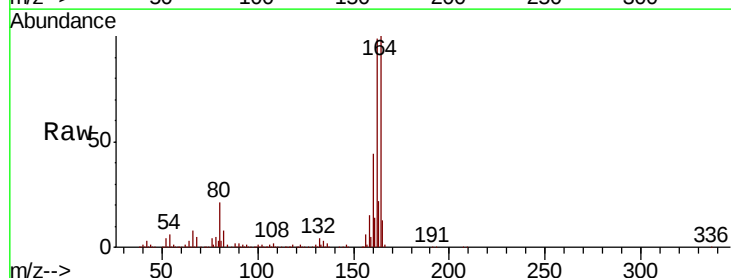
Instrument :
 BNA_G
 ClientSampleId :
 SP-01

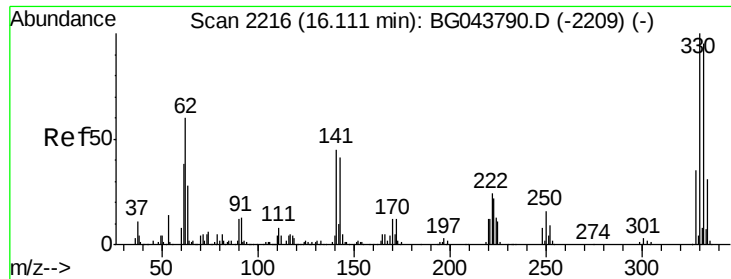
Tot Ion	82	Resp	848394
Ion Ratio	Lower	Upper	
82	100		
128	43.8	33.6	50.4
54	50.0	42.1	63.1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: BG043829.D
 Acq: 17 Dec 2019 21:17

Tgt Ion	164	Resp	381061
Ion Ratio	Lower	Upper	
164	100		
162	99.4	81.9	122.9
160	44.0	38.3	57.5

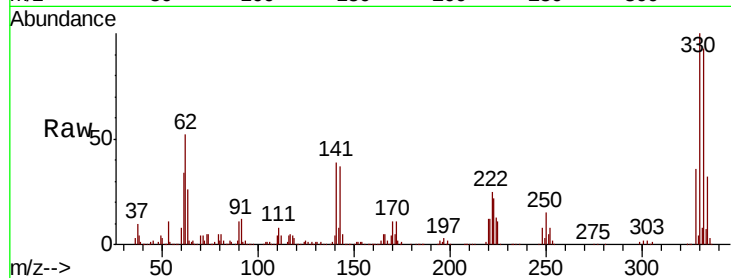




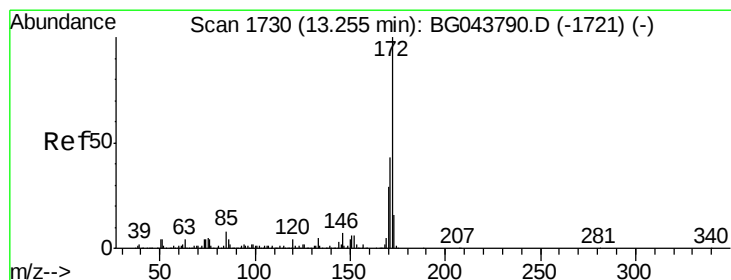
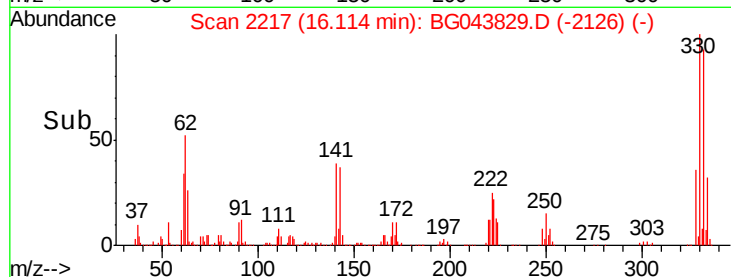
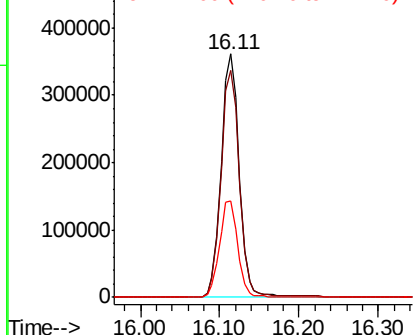
#42
 2,4,6-Tribromophenol
 Concen: 158.064 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. 0.00 min
 Lab File: BG043829.D
 Acq: 17 Dec 2019 21:17

Instrument :
 BNA_G
 ClientSampled :
 SP-01

Tot Ion:330 Resp: 574221
 Ion Ratio Lower Upper
 330 100
 332 95.4 76.9 115.3
 141 40.1 33.8 50.8

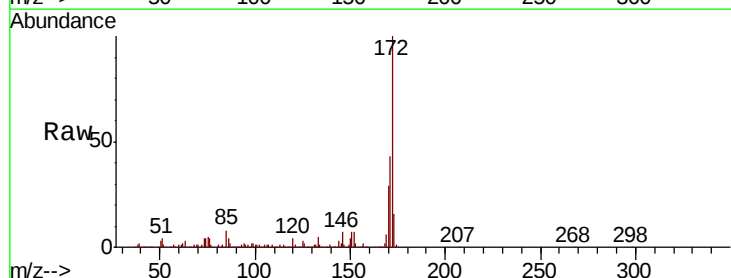


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

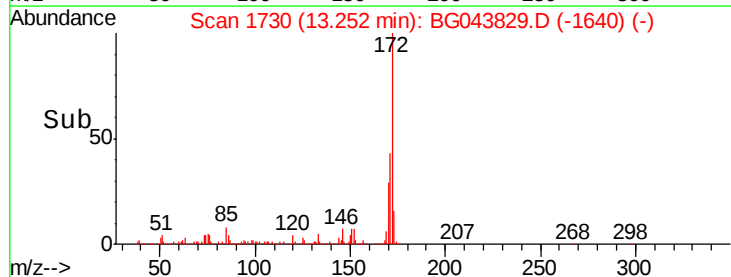
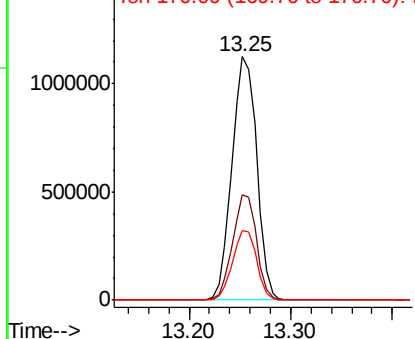


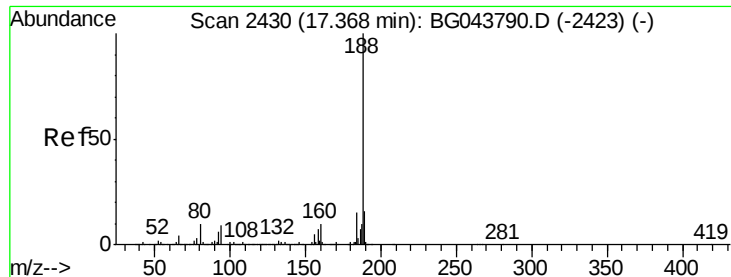
#45
 2-Fluorobiphenyl
 Concen: 88.173 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.00 min
 Lab File: BG043829.D
 Acq: 17 Dec 2019 21:17

Tgt Ion:172 Resp: 1912768
 Ion Ratio Lower Upper
 172 100
 171 43.2 34.6 51.8
 170 28.7 23.3 34.9



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2431

Delta R.T. 0.00 min

Lab File: BG043829.D

Acq: 17 Dec 2019 21:17

Instrument :

BNA_G

ClientSampleId :

SP-01

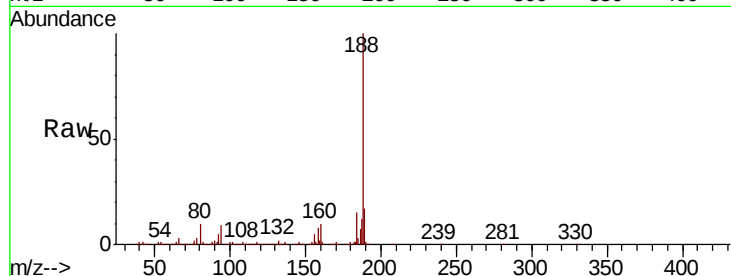
Tot Ion:188 Resp: 949786

Ion Ratio Lower Upper

188 100

94 8.9 6.9 10.3

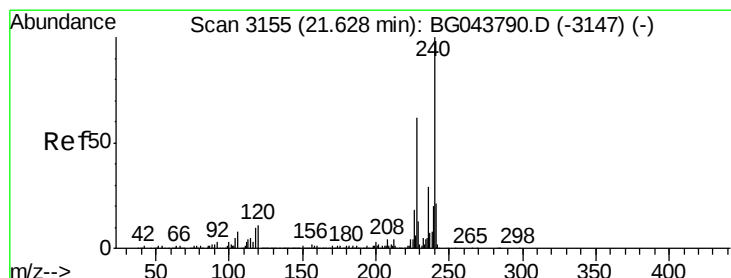
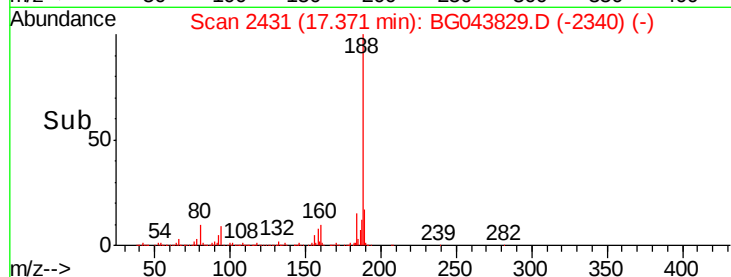
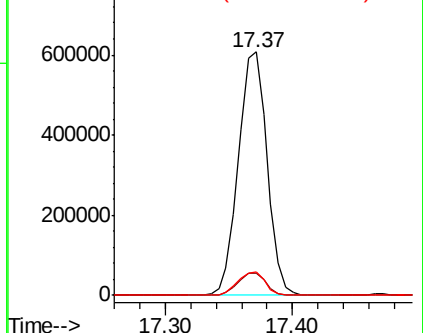
80 9.6 7.8 11.8



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.63 min Scan# 3155

Delta R.T. -0.00 min

Lab File: BG043829.D

Acq: 17 Dec 2019 21:17

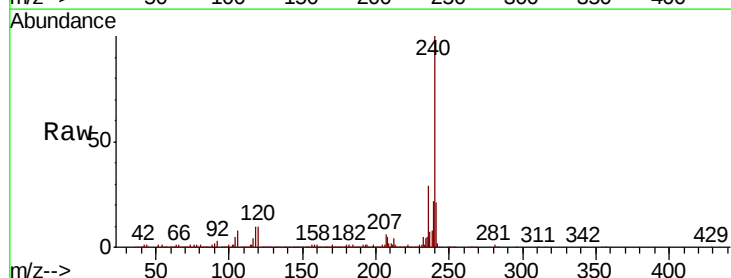
Tgt Ion:240 Resp: 827263

Ion Ratio Lower Upper

240 100

120 10.4 8.6 12.8

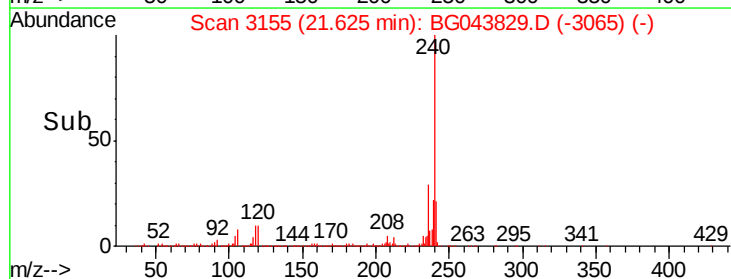
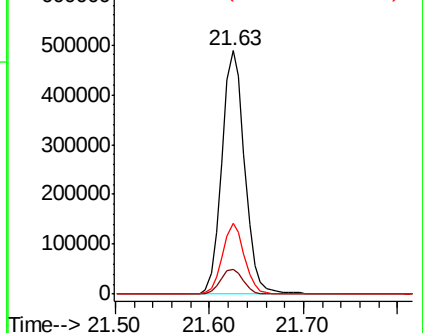
236 28.9 23.1 34.7

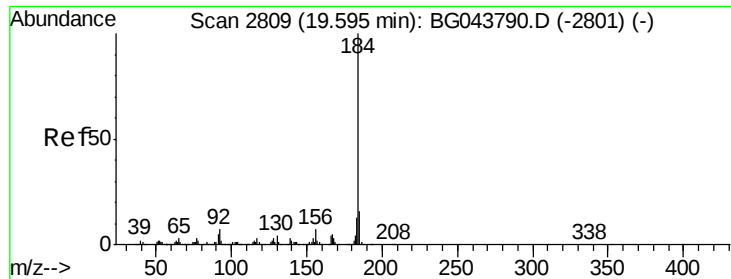


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 36.066 ng

RT: 19.59 min Scan# 2809

Delta R.T. -0.00 min

Lab File: BG043829.D

Acq: 17 Dec 2019 21:17

Instrument :

BNA_G

ClientSampled :

SP-01

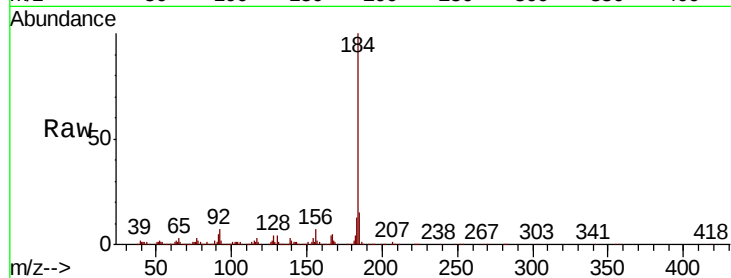
Tot Ion:184 Resp: 650918

Ion Ratio Lower Upper

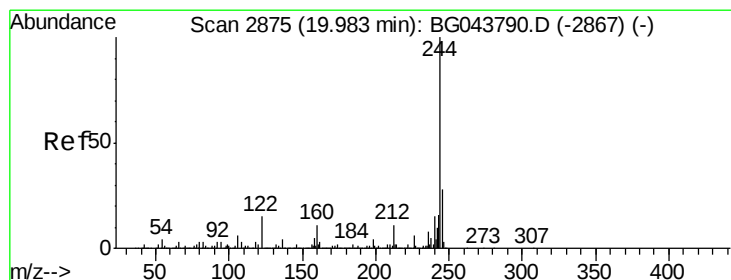
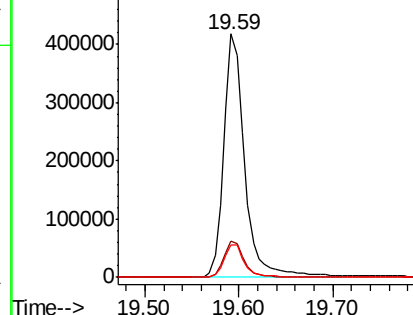
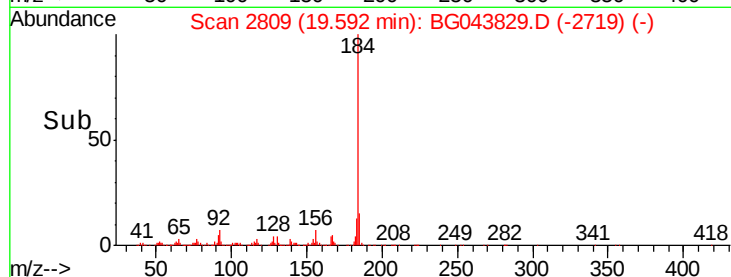
184 100

185 14.9 12.9 19.3

183 13.4 10.3 15.5



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 88.702 ng

RT: 19.99 min Scan# 2876

Delta R.T. 0.00 min

Lab File: BG043829.D

Acq: 17 Dec 2019 21:17

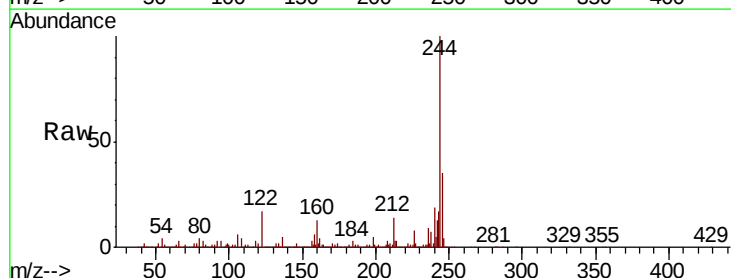
Tgt Ion:244 Resp: 3050140

Ion Ratio Lower Upper

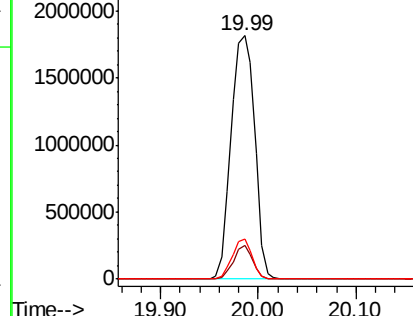
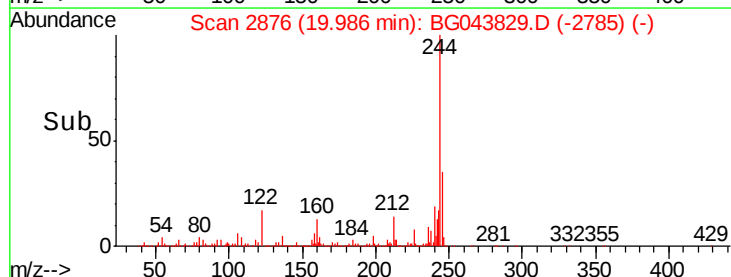
244 100

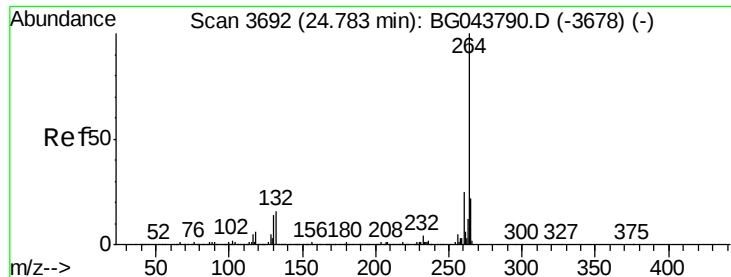
212 13.9 9.1 13.7#

122 16.6 11.6 17.4



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



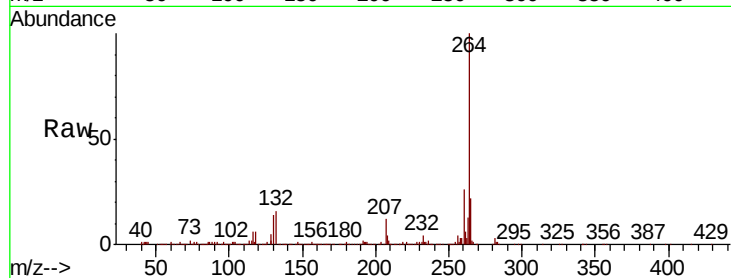


#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.79 min Scan# 3693
Delta R.T. 0.00 min
Lab File: BG043829.D
Acq: 17 Dec 2019 21:17

Instrument :
BNA_G
ClientSampleId :
SP-01

Tot Ion: 264 Resp: 884481

Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.8	29.8
265	22.3	17.9	26.9



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

