

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082819\
 Data File : BG042530.D
 Acq On : 28 Aug 2019 13:21
 Operator : HP/JU
 Sample : PB122599TB
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 28 15:43:41 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

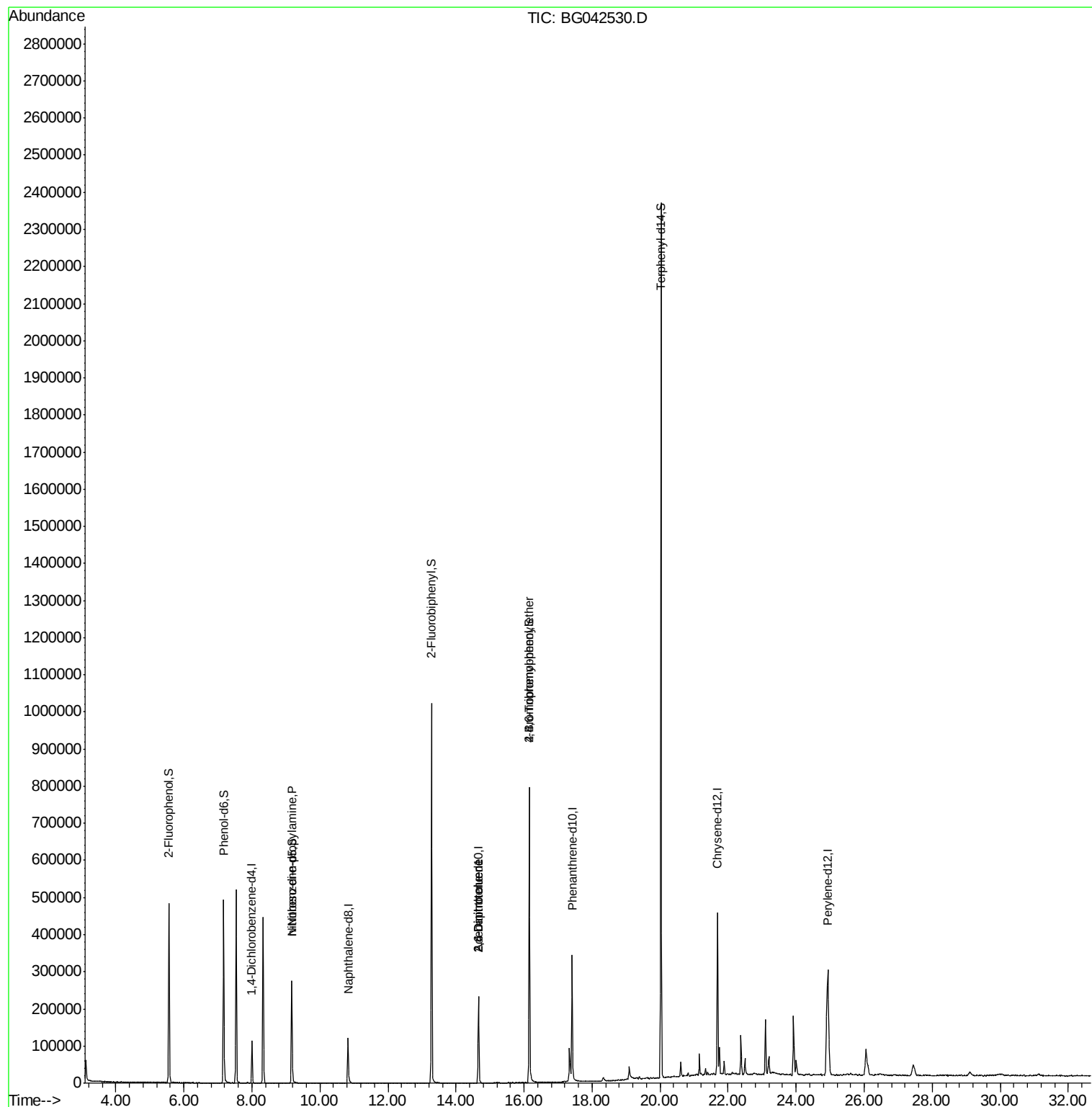
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	37832	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	136383	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	101970	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	246180	20.00	ng	0.00
76) Chrysene-d12	21.69	240	277175	20.00	ng	0.00
87) Perylene-d12	24.94	264	323947	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	252664	135.26	ng	0.00
7) Phenol-d6	7.17	99	330271	130.89	ng	0.00
23) Nitrobenzene-d5	9.17	82	186899	94.70	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	210382	145.16	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	614438	101.91	ng	0.00
79) Terphenyl-d14	20.02	244	1217798	94.99	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	23368	14.295	ng	# 77
51) 2,6-Dinitrotoluene	14.66	165	12914	7.572	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	12914	5.288	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	14383	4.606	ng	# 1

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

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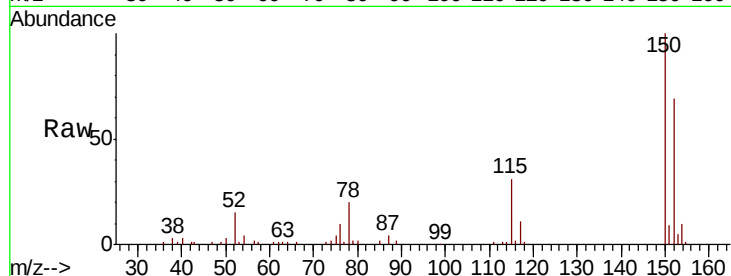


#1

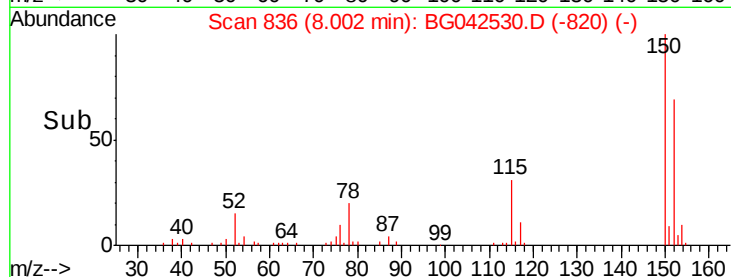
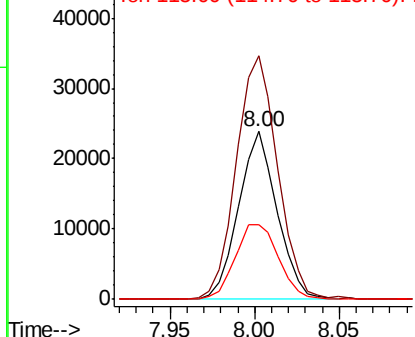
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BG042530.D
Acq: 28 Aug 2019 13:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 37832
Ion Ratio Lower Upper
152 100
150 145.3 125.4 188.0
115 44.8 38.5 57.7



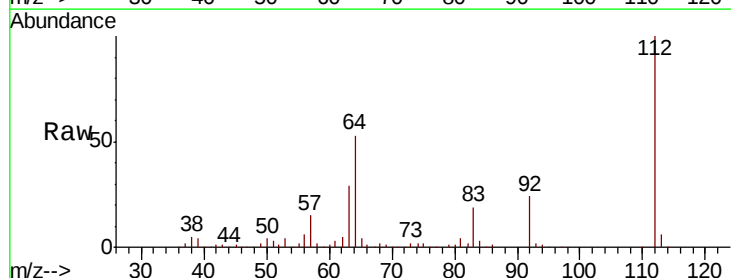
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



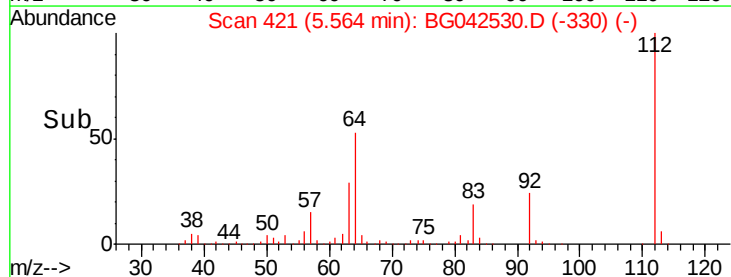
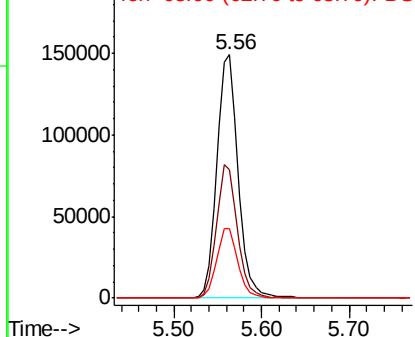
#5

2-Fluorophenol
Concen: 135.261 ng
RT: 5.56 min Scan# 421
Delta R.T. 0.00 min
Lab File: BG042530.D
Acq: 28 Aug 2019 13:21

Tgt Ion:112 Resp: 252664
Ion Ratio Lower Upper
112 100
64 52.6 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: 130.893 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG042530.D

Acq: 28 Aug 2019 13:21

Instrument :

BNA_F

ClientSampleId :

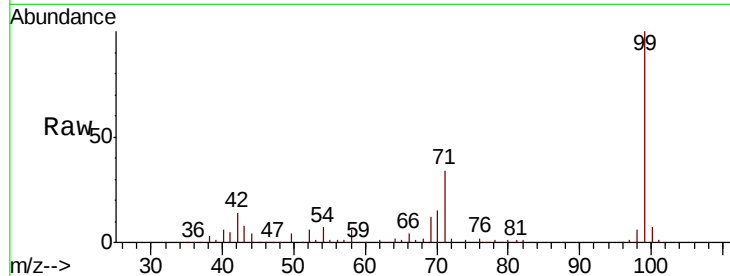
Tot Ion: 99 Resp: 330271

Ion Ratio Lower Upper

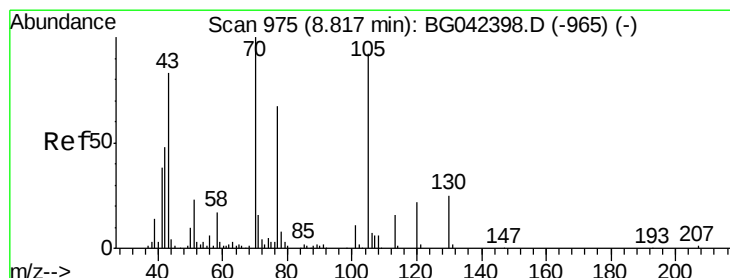
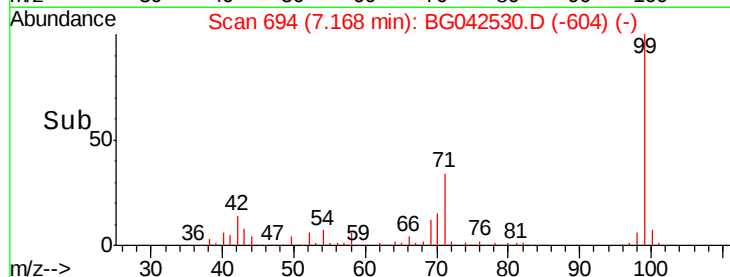
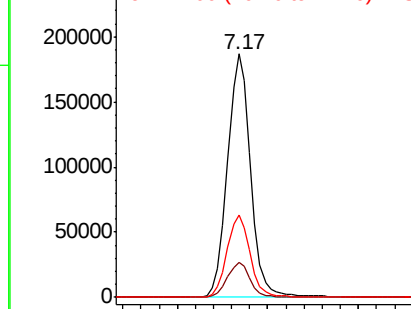
99 100

42 14.2 12.0 18.0

71 33.9 26.3 39.5



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.295 ng

RT: 9.17 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG042530.D

Acq: 28 Aug 2019 13:21

Tgt Ion: 70 Resp: 23368

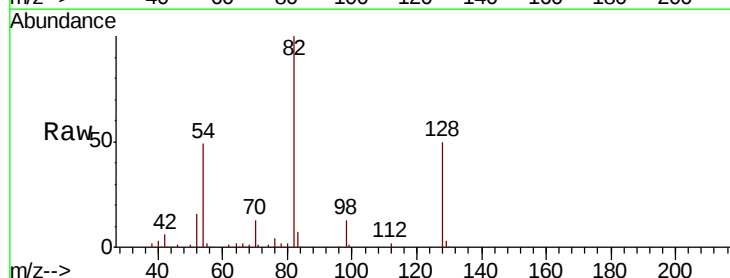
Ion Ratio Lower Upper

70 100

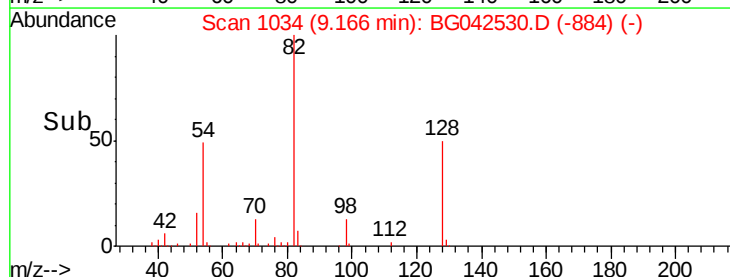
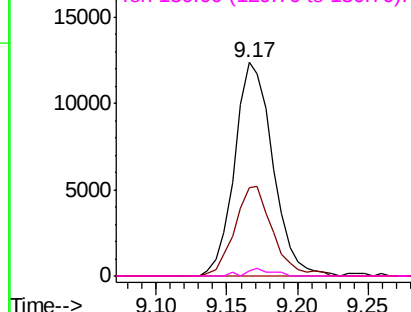
42 41.6 38.8 58.2

101 0.0 9.0 13.6#

130 2.4 20.0 30.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

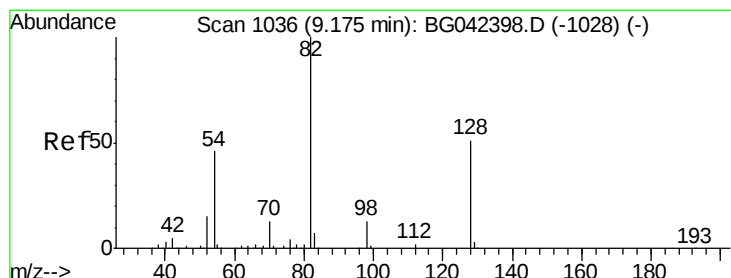
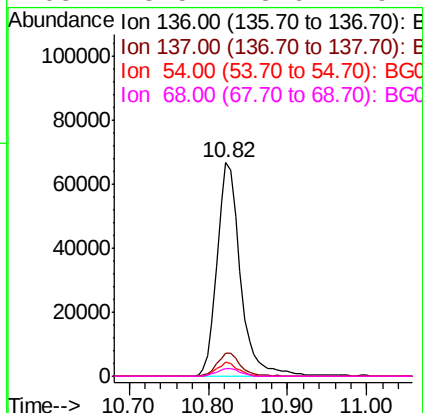
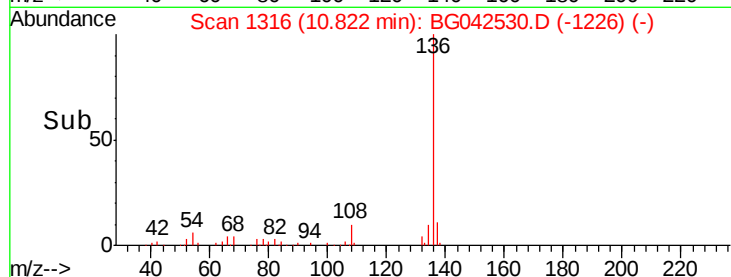
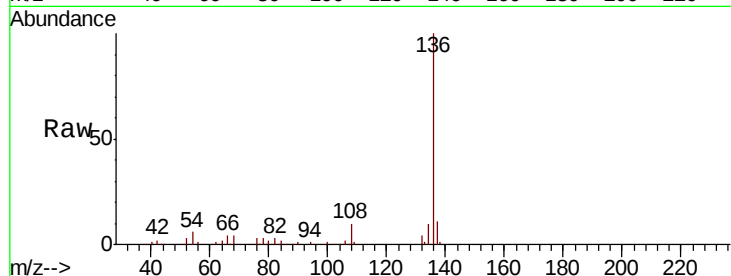




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BG042530.D
Acq: 28 Aug 2019 13:21

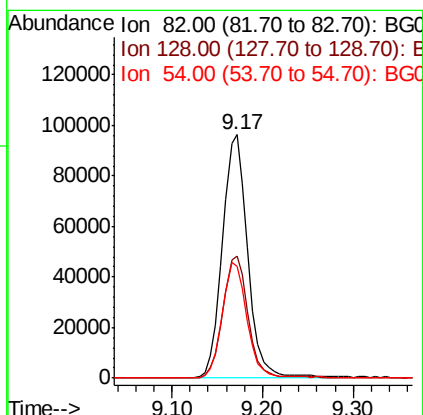
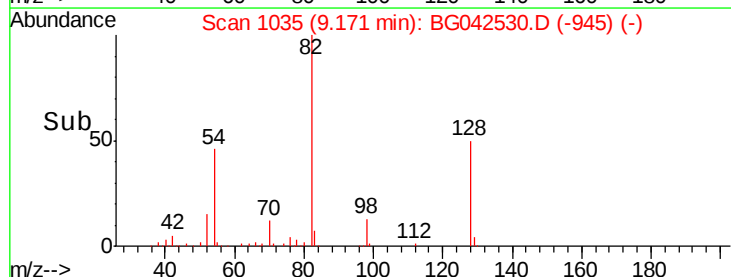
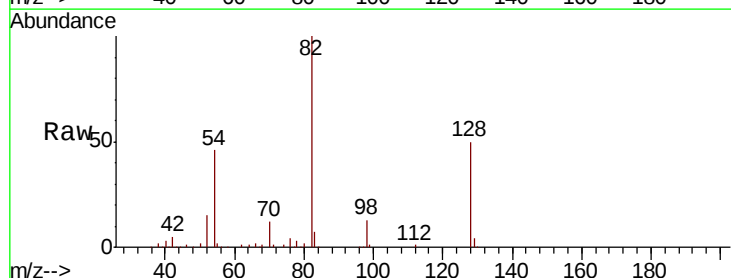
Instrument :
BNA_F
ClientSampleId :

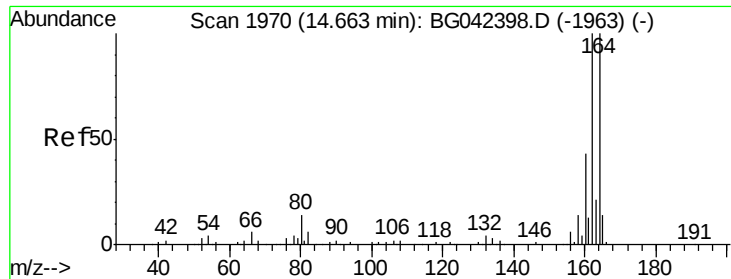
Tot Ion:136	Resp: 136383
Ion Ratio	Lower Upper
136 100	
137 10.6	8.7 13.1
54 6.3	4.9 7.3
68 3.5	3.6 5.4#



#23
Nitrobenzene-d5
Concen: 94.700 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BG042530.D
Acq: 28 Aug 2019 13:21

Tgt Ion: 82	Resp: 186899
Ion Ratio	Lower Upper
82 100	
128 50.2	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. -0.00 min

Lab File: BG042530.D

Acq: 28 Aug 2019 13:21

Instrument :

BNA_F

ClientSampleId :

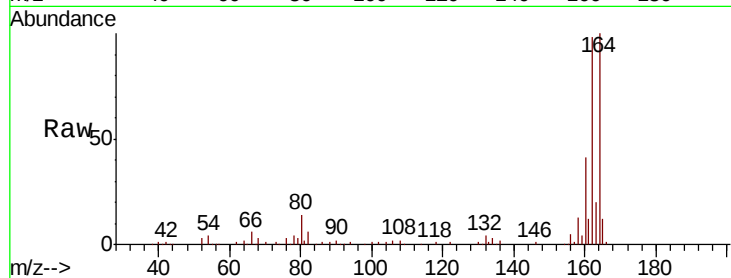
Tot Ion:164 Resp: 101970

Ion Ratio Lower Upper

164 100

162 97.6 79.9 119.9

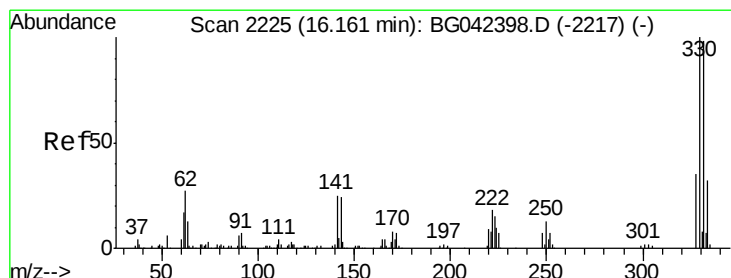
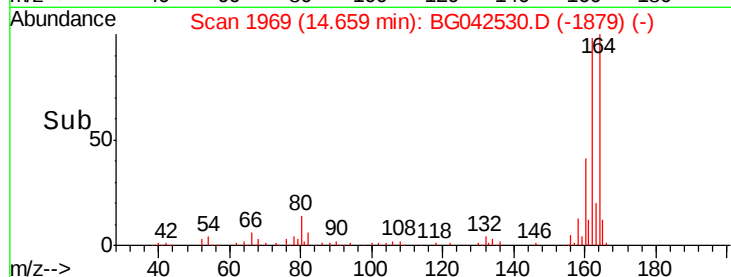
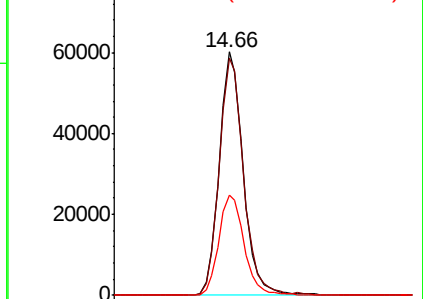
160 41.2 34.3 51.5



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: 145.157 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042530.D

Acq: 28 Aug 2019 13:21

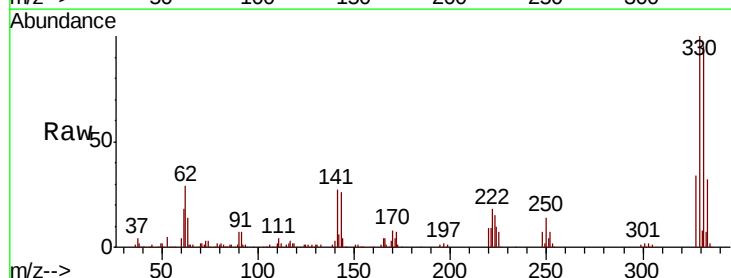
Tgt Ion:330 Resp: 210382

Ion Ratio Lower Upper

330 100

332 95.1 77.4 116.0

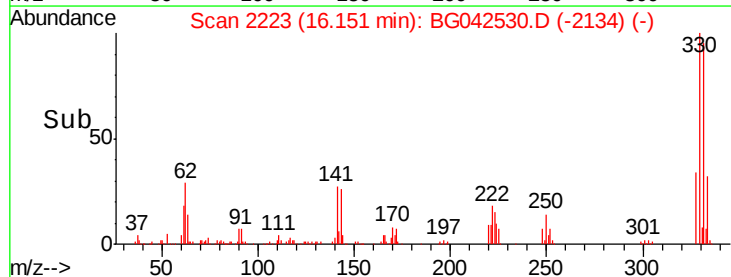
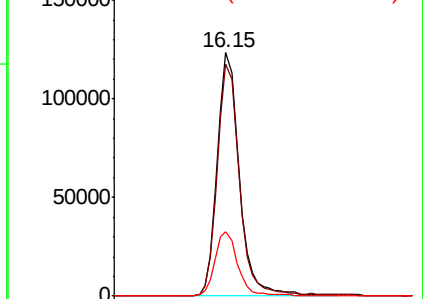
141 27.2 21.4 32.0



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

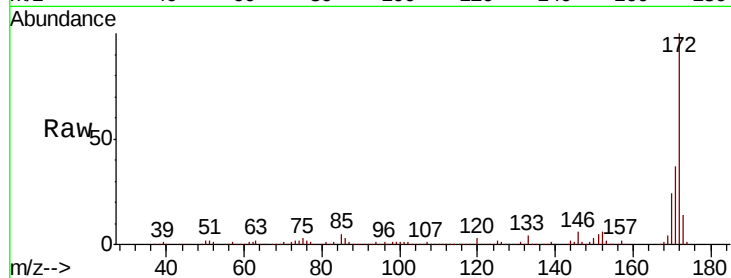




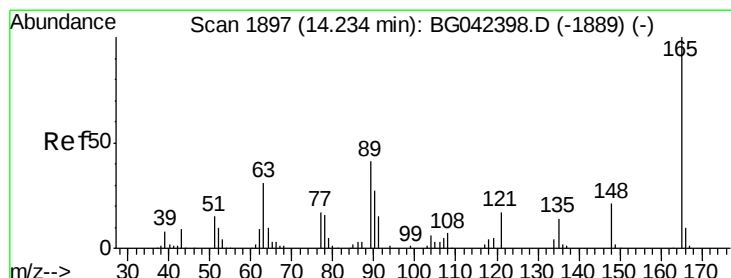
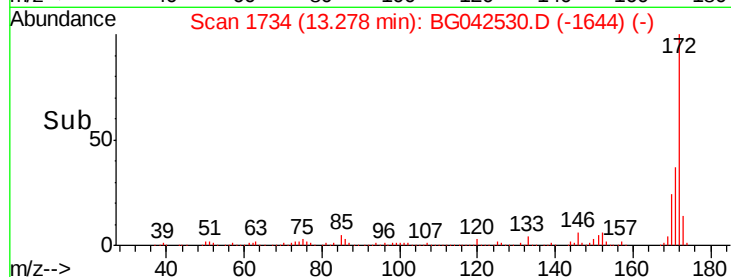
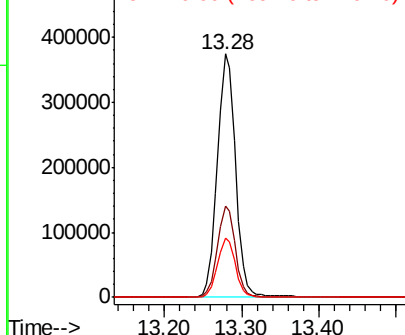
#45
 2-Fluorobiphenyl
 Concen: 101.911 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG042530.D
 Acq: 28 Aug 2019 13:21

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 614438
 Ion Ratio Lower Upper
 172 100
 171 37.4 30.5 45.7
 170 24.1 20.2 30.2

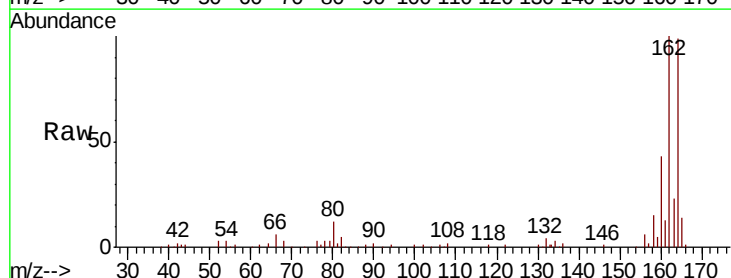


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

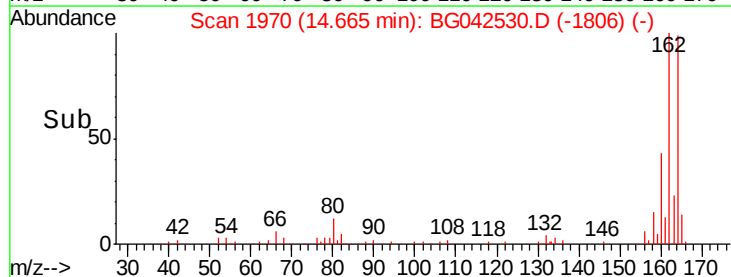
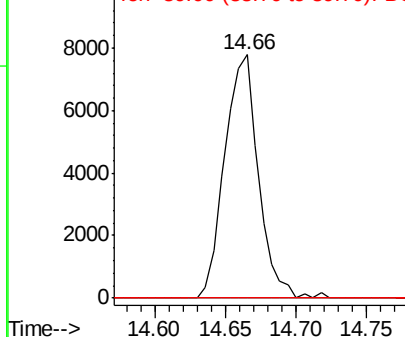


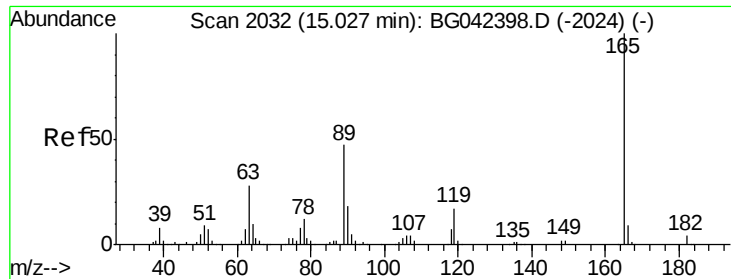
#51
 2,6-Dinitrotoluene
 Concen: 7.572 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.43 min
 Lab File: BG042530.D
 Acq: 28 Aug 2019 13:21

Tgt Ion:165 Resp: 12914
 Ion Ratio Lower Upper
 165 100
 63 0.0 30.6 45.8#
 89 0.0 32.6 49.0#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

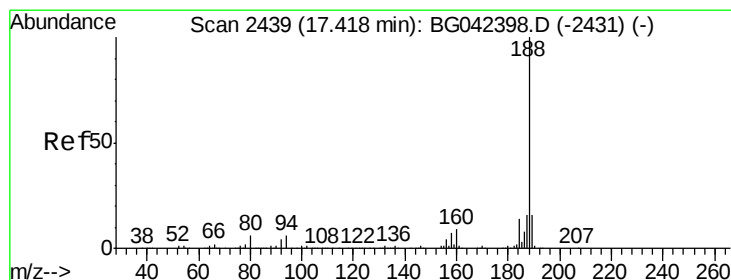
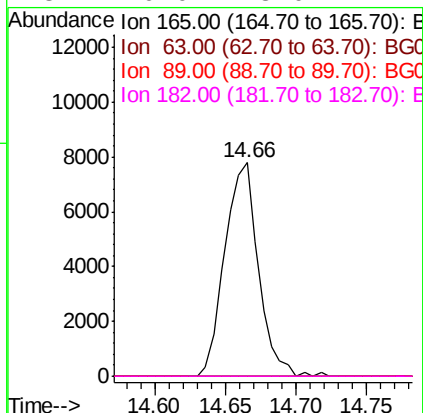
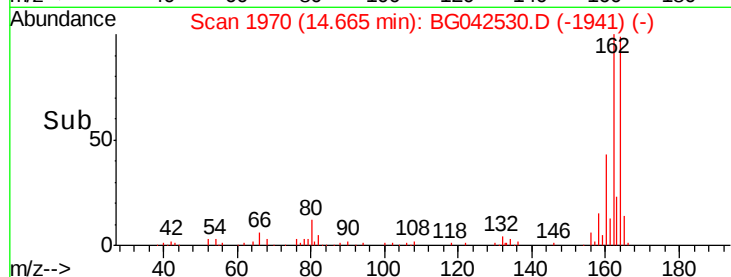
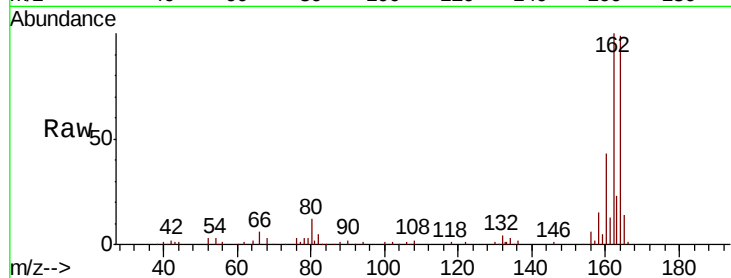




#57
 2,4-Dinitrotoluene
 Concen: 5.288 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG042530.D
 Acq: 28 Aug 2019 13:21

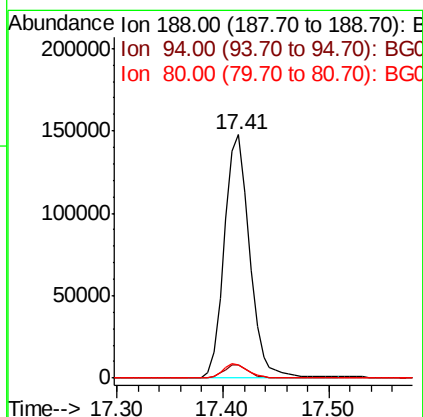
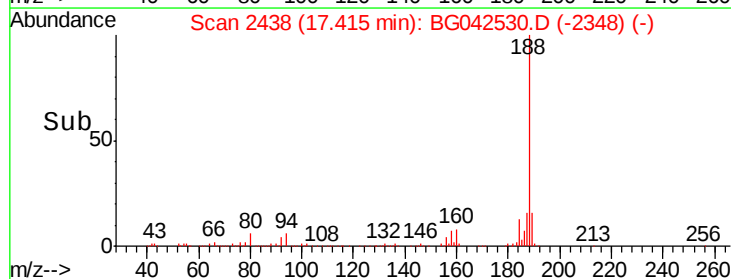
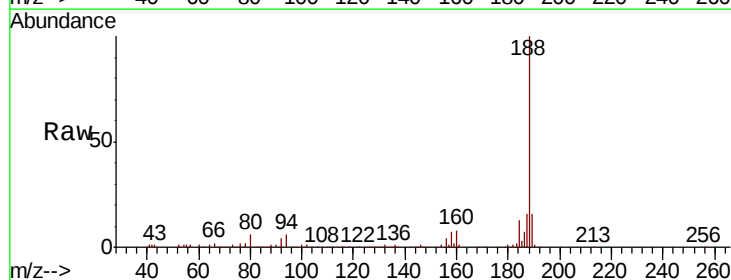
Instrument :
 BNA_F
 ClientSampleId :

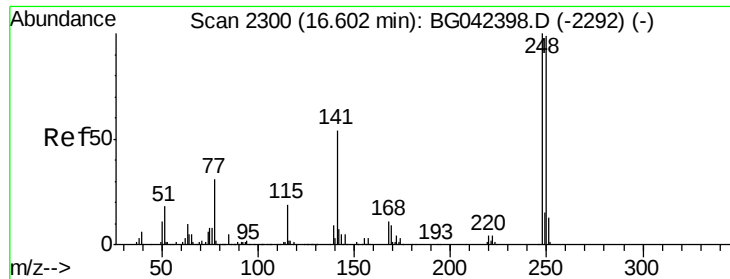
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.5	33.7#
89	0.0	37.8	56.6#
182	0.0	3.0	4.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. -0.00 min
 Lab File: BG042530.D
 Acq: 28 Aug 2019 13:21

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.5	4.5	6.7
80	5.7	4.9	7.3





#67

4-Bromophenyl-phenylether

Concen: 4.606 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.45 min

Lab File: BG042530.D

Acq: 28 Aug 2019 13:21

Instrument :

BNA_F

ClientSampled :

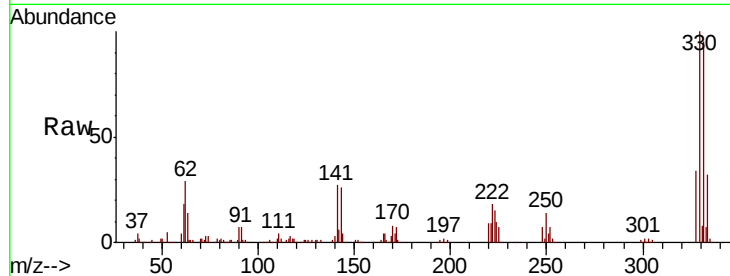
Tot Ion:248 Resp: 14383

Ion Ratio Lower Upper

248 100

250 189.7 78.9 118.3#

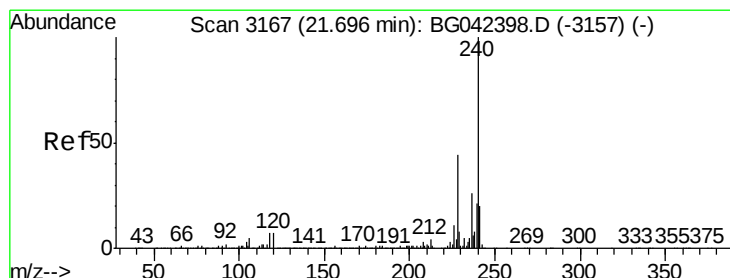
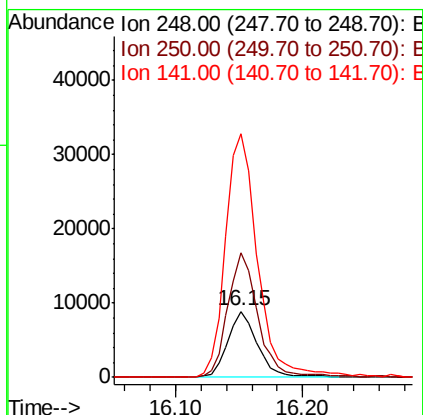
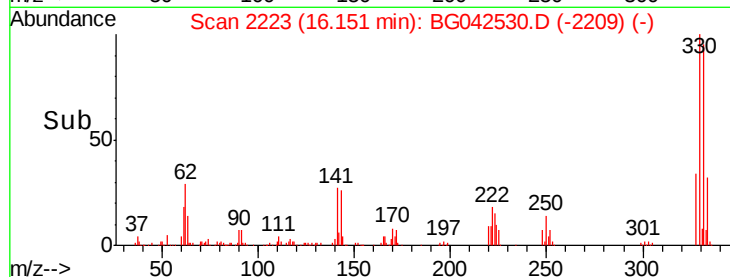
141 369.9 43.3 64.9#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BG042530.D

Acq: 28 Aug 2019 13:21

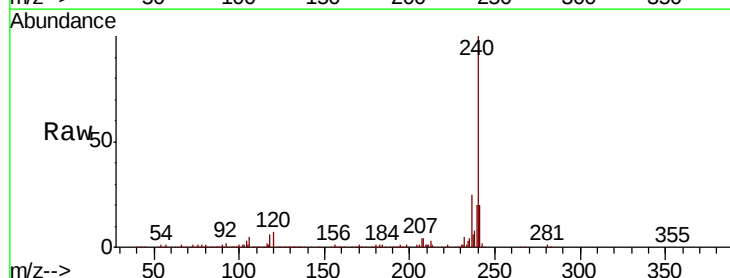
Tgt Ion:240 Resp: 277175

Ion Ratio Lower Upper

240 100

120 7.0 5.7 8.5

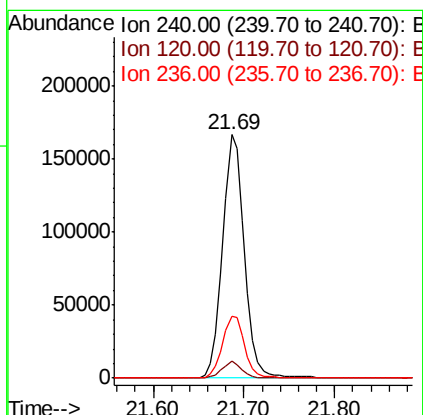
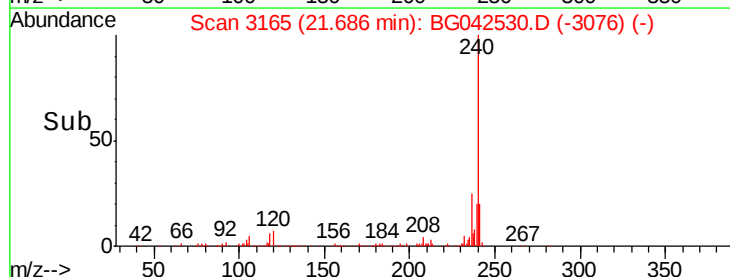
236 25.5 21.0 31.4

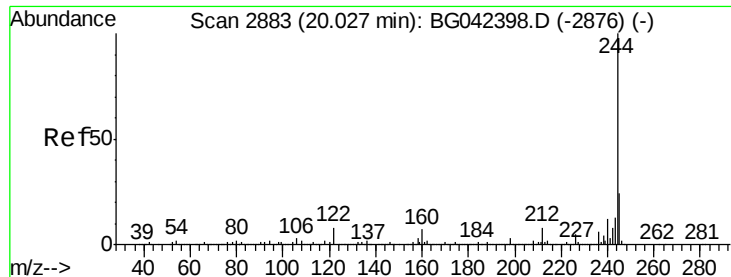


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 94.986 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG042530.D

Acq: 28 Aug 2019 13:21

Instrument :

BNA_F

ClientSampled :

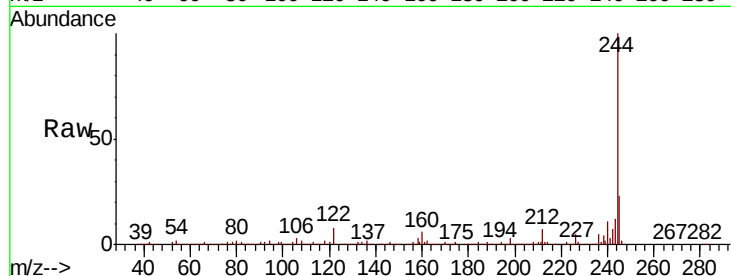
Tot Ion:244 Resp: 1217798

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

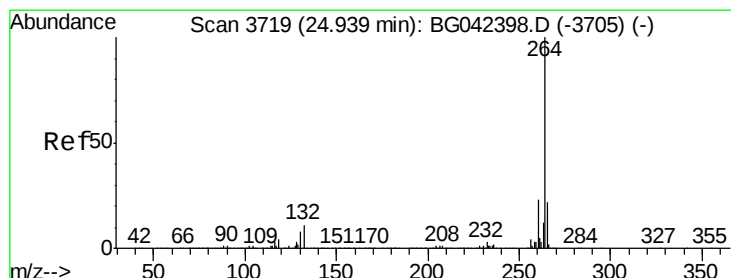
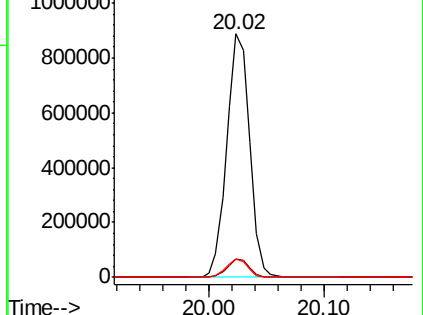
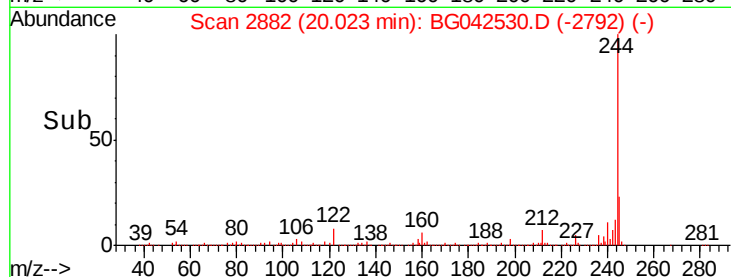
122 7.8 6.7 10.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.94 min Scan# 3718

Delta R.T. -0.00 min

Lab File: BG042530.D

Acq: 28 Aug 2019 13:21

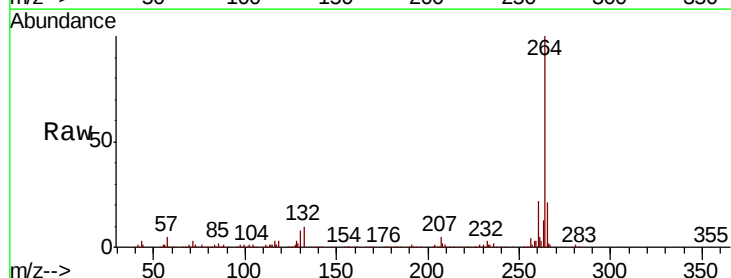
Tgt Ion:264 Resp: 323947

Ion Ratio Lower Upper

264 100

260 22.4 18.5 27.7

265 20.9 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

