

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
 Data File : BF104495.D
 Acq On : 13 Apr 2018 22:42
 Operator : JU/SJ
 Sample : PB108218BL
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 14 00:14:04 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 13 17:38:31 2018
 Response via : Initial Calibration

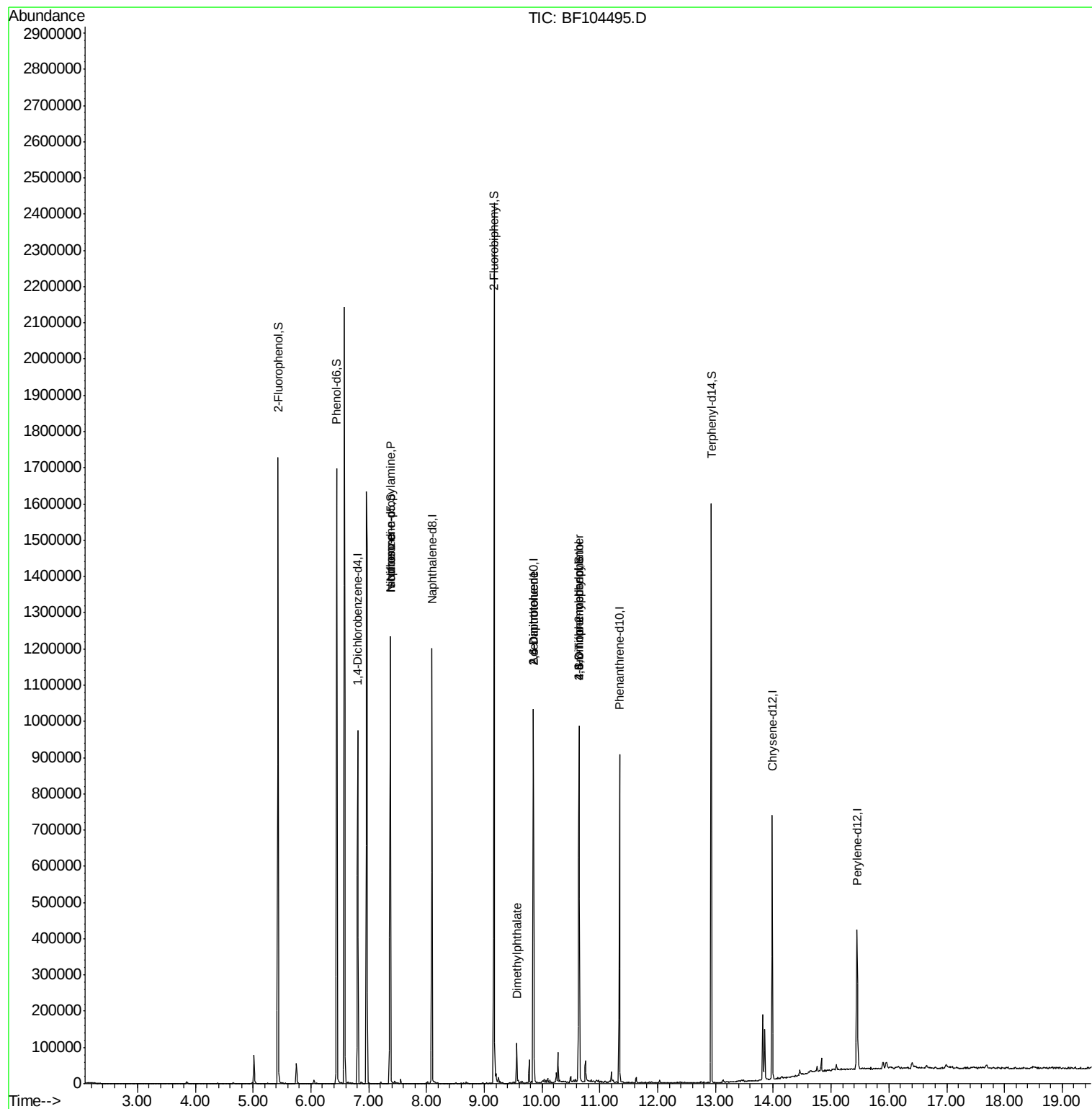
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	126000	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	483126	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	200583	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	300835	20.00	ng	0.00
75) Chrysene-d12	13.98	240	234769	20.00	ng	-0.01
86) Perylene-d12	15.45	264	174598	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	535055	64.93	ng	0.01
7) Phenol-d6	6.45	99	639293	63.14	ng	0.00
23) Nitrobenzene-d5	7.37	82	383642	51.85	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	111227	53.46	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	707464	55.72	ng	0.00
78) Terphenyl-d14	12.93	244	516976	50.20	ng	0.00
Target Compounds						
9) Benzaldehyde	6.45	77	789	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.37	70	48787	7.374 ng	#	74
25) Isophorone	7.37	82	383638	24.520 ng	#	64
49) Dimethylphthalate	9.56	163	40992	2.592 ng	#	97
50) 2,6-Dinitrotoluene	9.85	165	24967	8.530 ng	#	26
56) 2,4-Dinitrotoluene	9.85	165	24967	6.503 ng	#	24
64) 4,6-Dinitro-2-methylphenol	10.64	198	111	7.411 ng	#	1
66) 4-Bromophenyl-phenylether	10.64	248	6830	2.134 ng	#	1
76) Benzidine	12.93	184	6212	Below Cal		99

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

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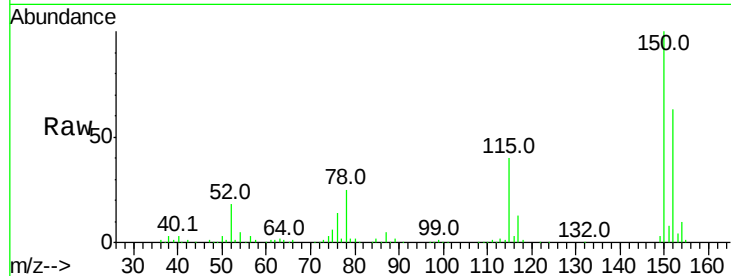


#1

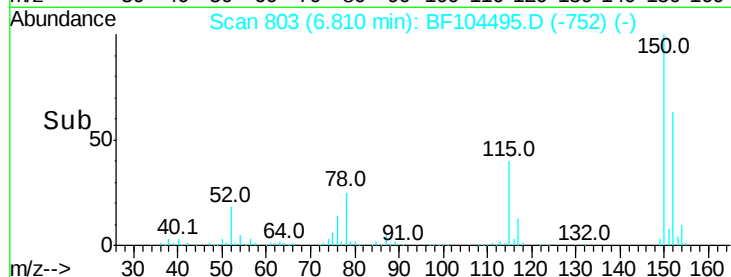
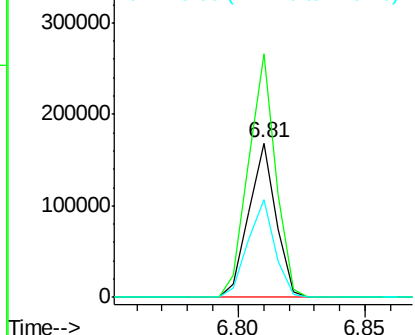
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF104495.D
Acq: 13 Apr 2018 22:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 126000
Ion Ratio Lower Upper
152 100
150 158.0 124.6 186.8
115 63.2 50.1 75.1



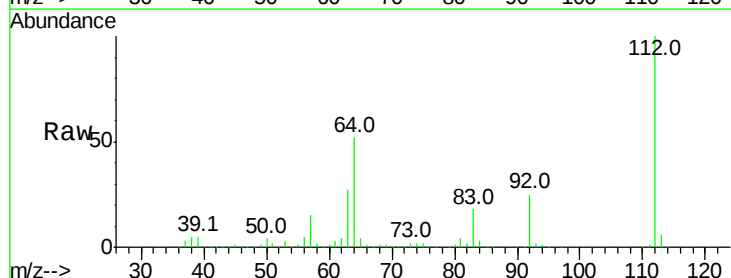
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



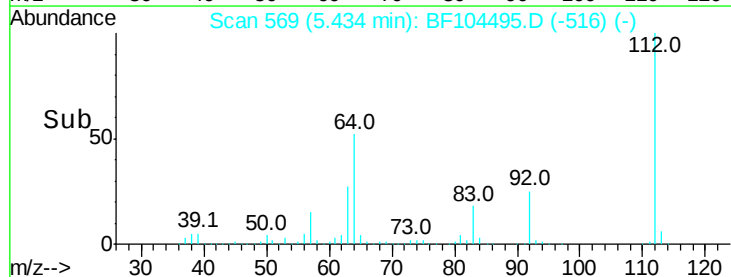
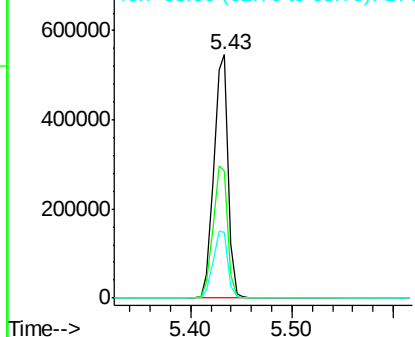
#5

2-Fluorophenol
Concen: 64.931 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF104495.D
Acq: 13 Apr 2018 22:42

Tgt Ion:112 Resp: 535055
Ion Ratio Lower Upper
112 100
64 52.0 47.9 71.9
63 26.7 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 63.142 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104495.D

Acq: 13 Apr 2018 22:42

Instrument :

BNA_F

ClientSampleId :

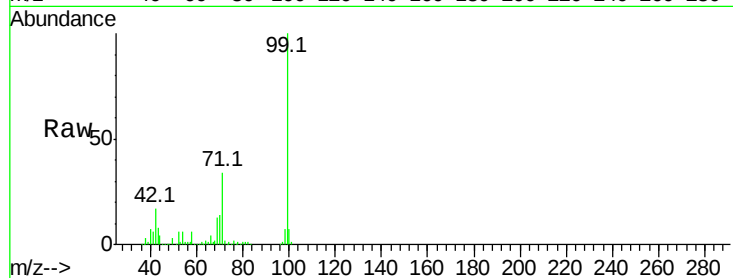
Tot Ion: 99 Resp: 639293

Ion Ratio Lower Upper

99 100

42 16.7 14.5 21.7

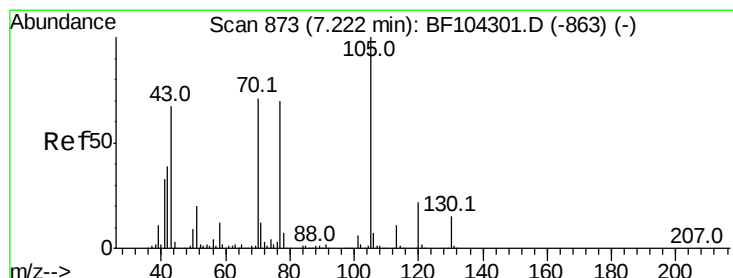
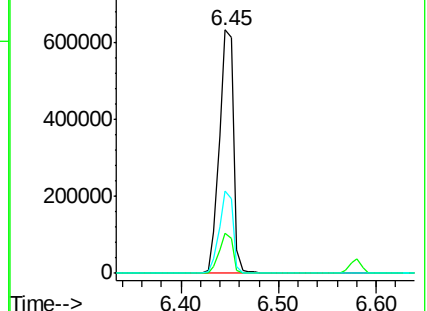
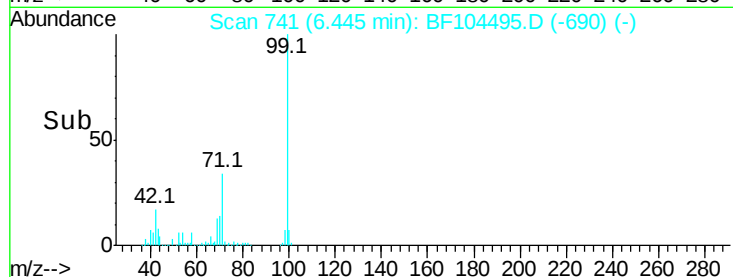
71 34.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 7.374 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104495.D

Acq: 13 Apr 2018 22:42

Tgt Ion: 70 Resp: 48787

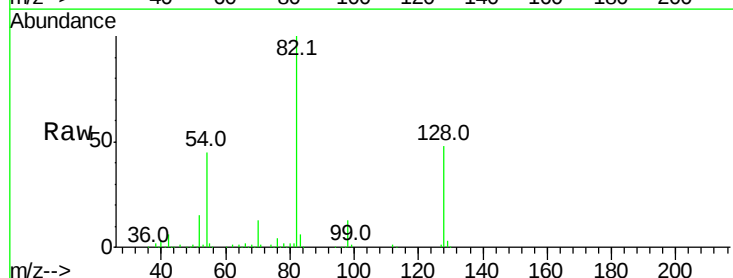
Ion Ratio Lower Upper

70 100

42 43.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

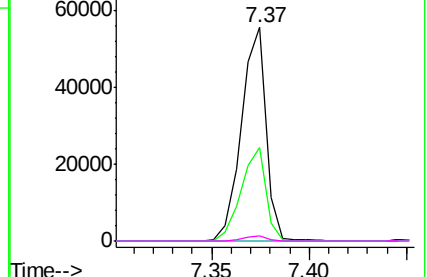
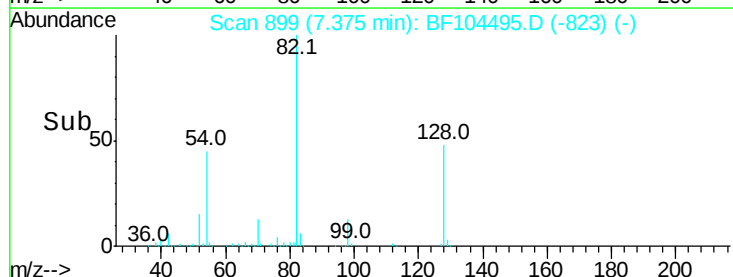


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

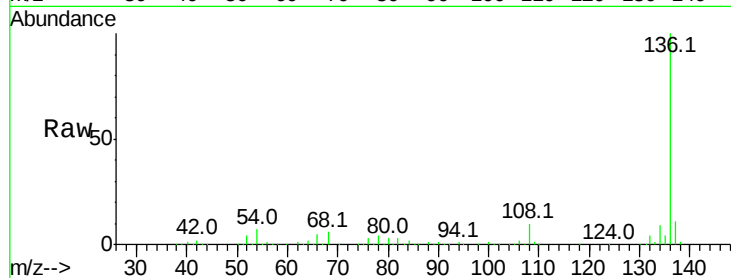




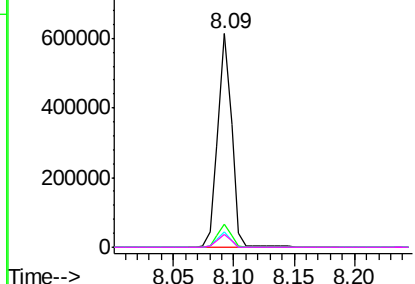
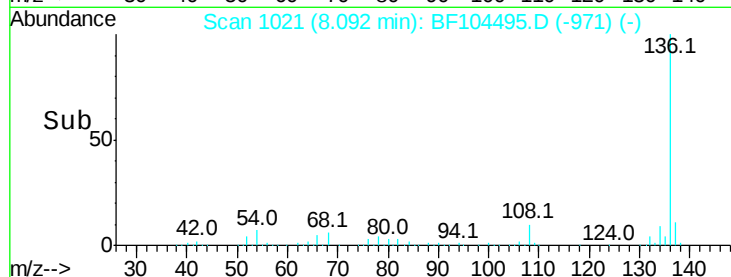
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF104495.D
Acq: 13 Apr 2018 22:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	483126
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.9	6.6	9.8
68	5.8	5.0	7.4

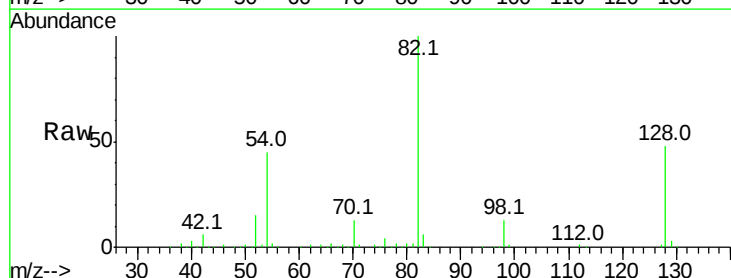


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

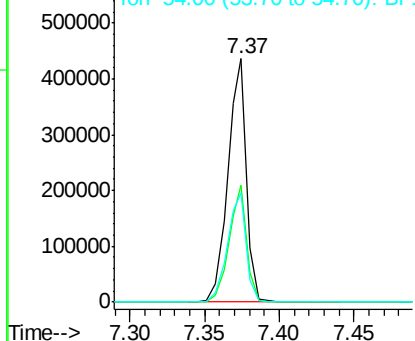
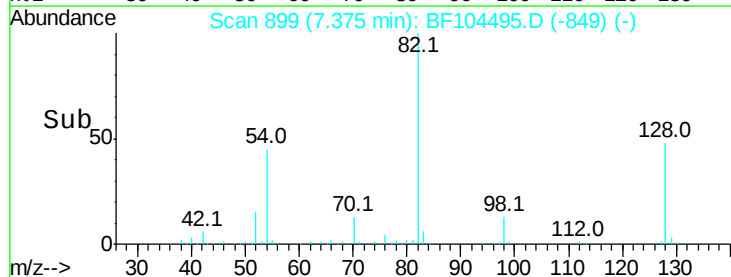


#23
Nitrobenzene-d5
Concen: 51.852 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104495.D
Acq: 13 Apr 2018 22:42

Tgt Ion:	82	Resp:	383642
Ion	Ratio	Lower	Upper
82	100		
128	47.8	36.1	54.1
54	45.0	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 24.520 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF104495.D

Acq: 13 Apr 2018 22:42

Instrument :

BNA_F

ClientSampleId :

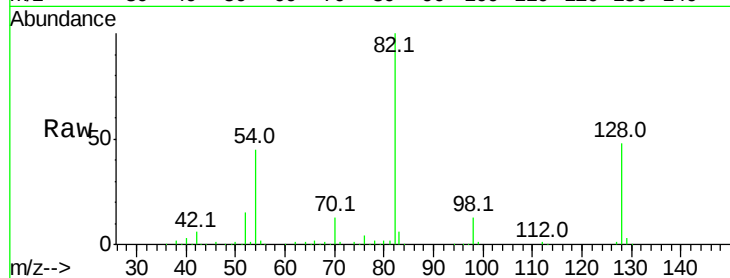
Tot Ion: 82 Resp: 383638

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

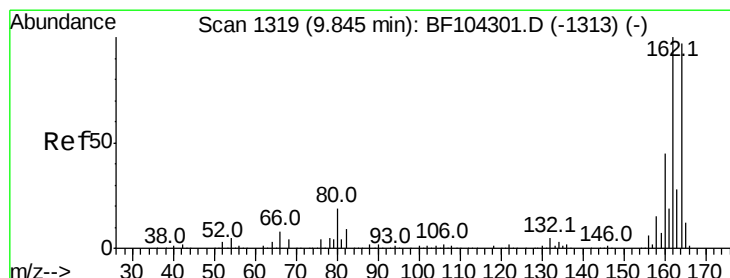
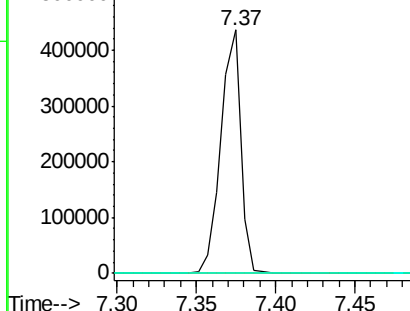
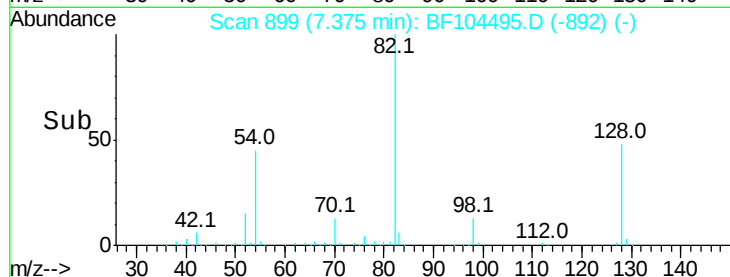
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF104495.D

Acq: 13 Apr 2018 22:42

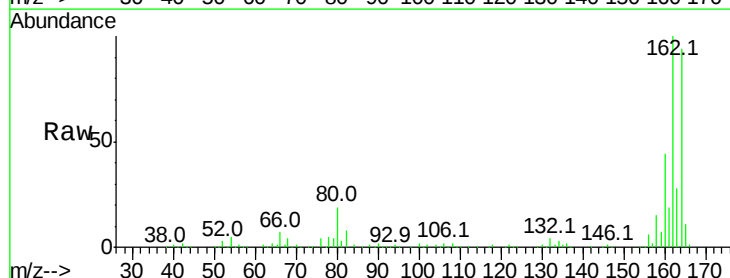
Tgt Ion: 164 Resp: 200583

Ion Ratio Lower Upper

164 100

162 105.9 86.1 129.1

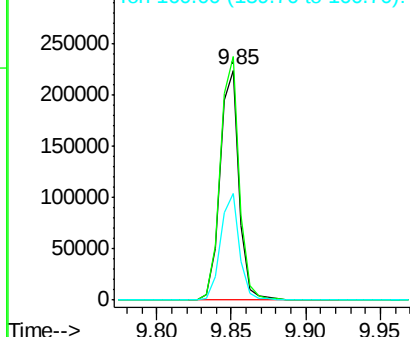
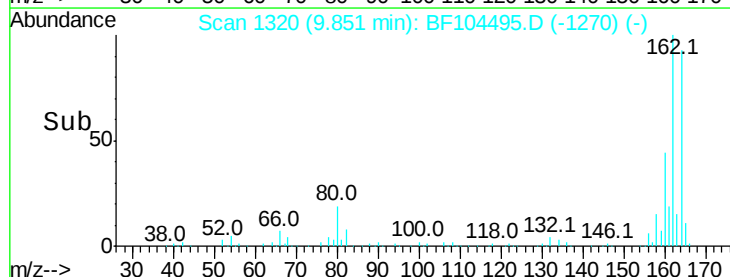
160 46.6 38.3 57.5



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

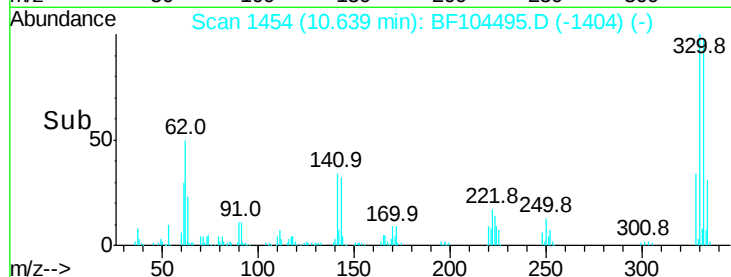
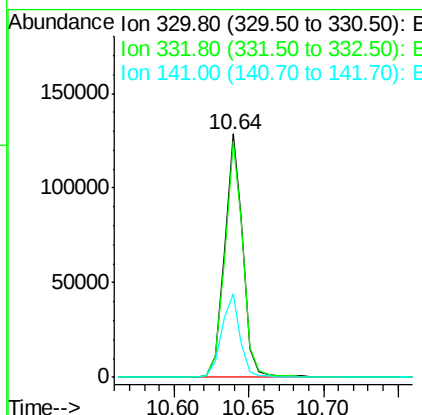
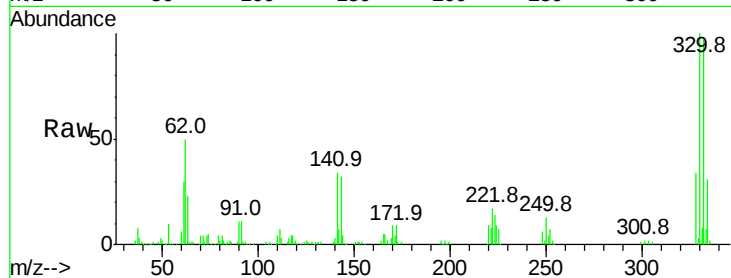




#41
 2,4,6-Tribromophenol
 Concen: 53.456 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF104495.D
 Acq: 13 Apr 2018 22:42

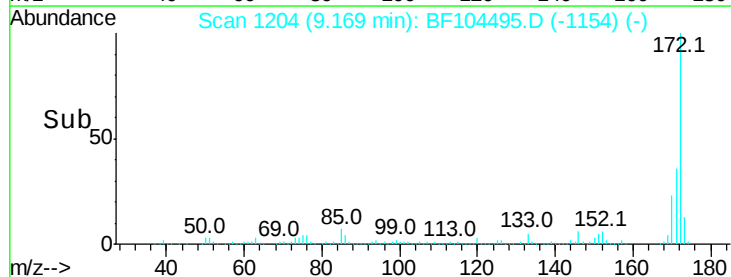
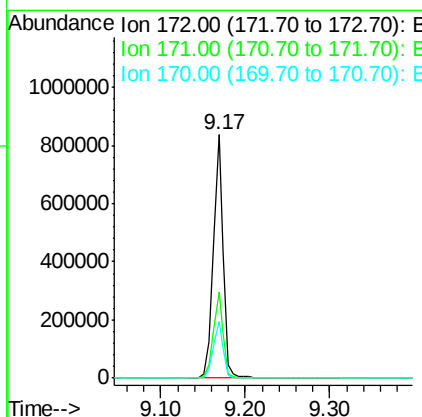
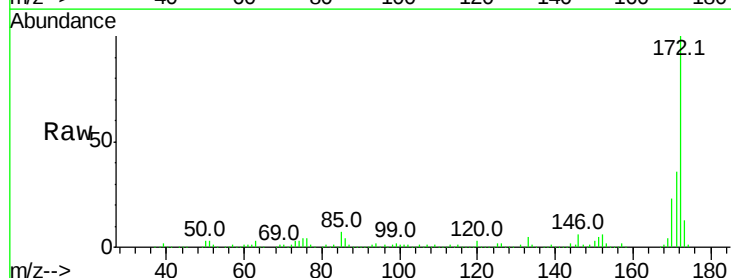
Instrument :
 BNA_F
 ClientSampleId :

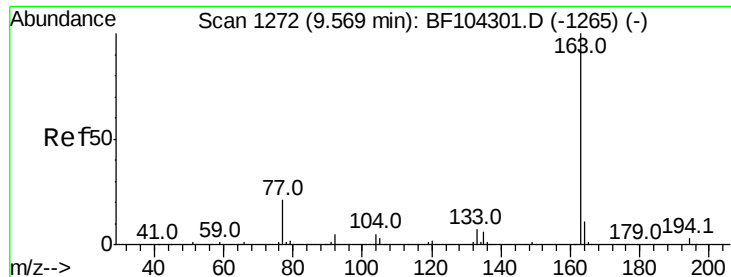
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	34.5	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 55.718 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104495.D
 Acq: 13 Apr 2018 22:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.4	19.6	29.4

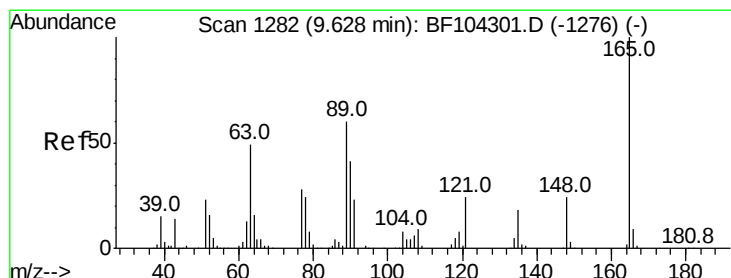
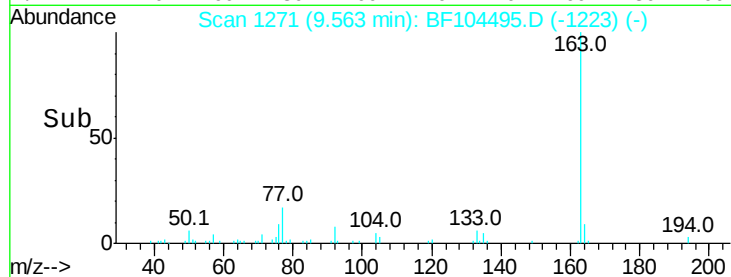
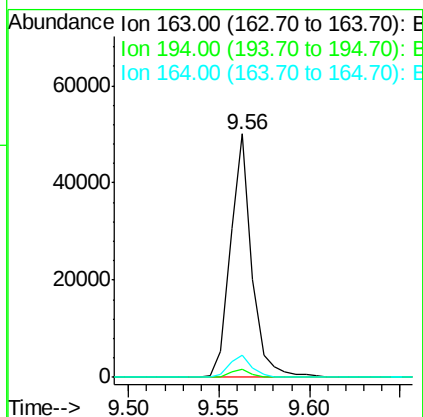
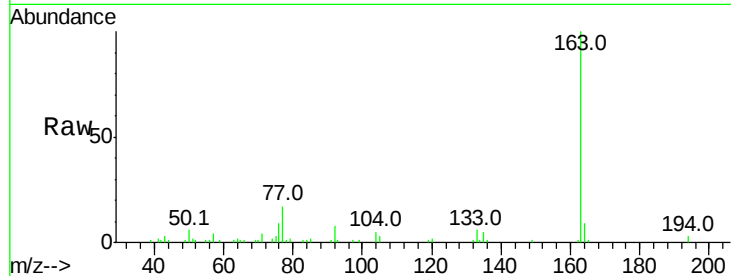




#49
Dimethylphthalate
Concen: 2.592 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF104495.D
Acq: 13 Apr 2018 22:42

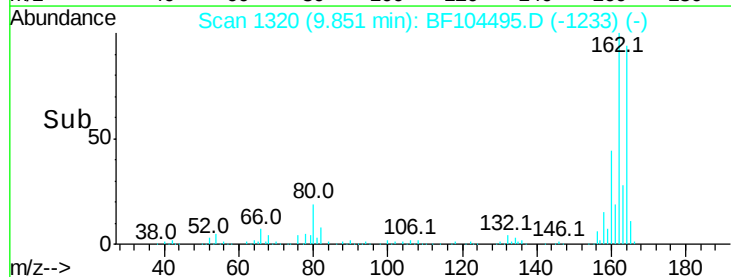
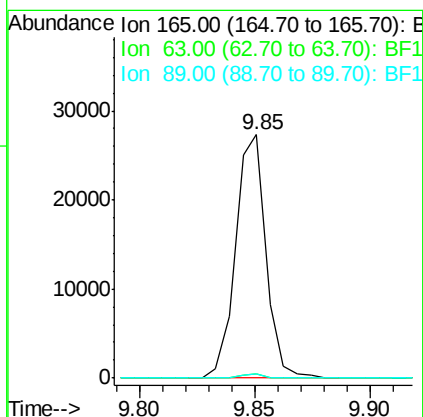
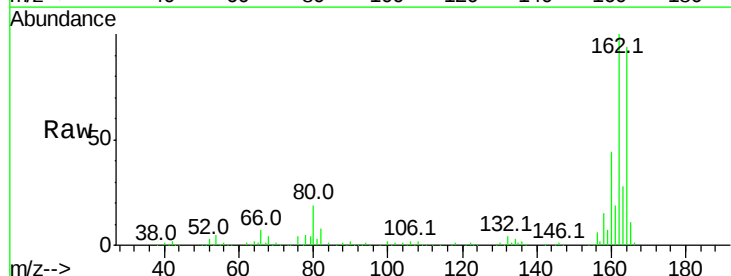
Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 40992
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 8.9 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 8.530 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.21 min
Lab File: BF104495.D
Acq: 13 Apr 2018 22:42

Tgt Ion:165 Resp: 24967
Ion Ratio Lower Upper
165 100
63 1.9 44.7 67.1#
89 2.0 44.0 66.0#

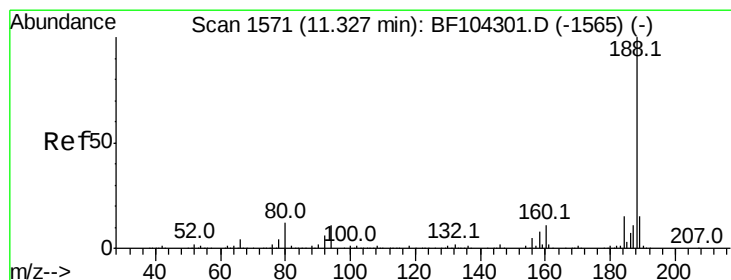
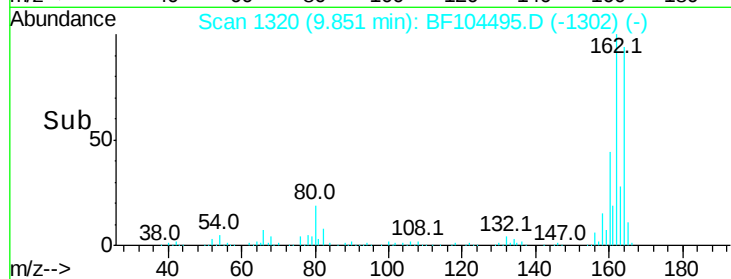
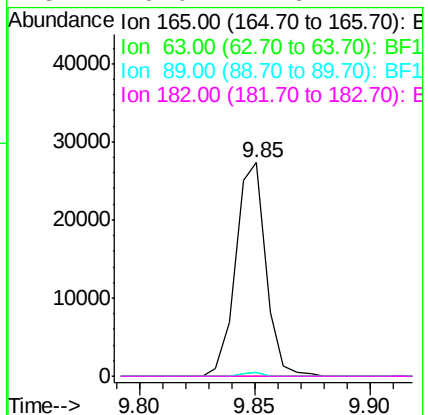
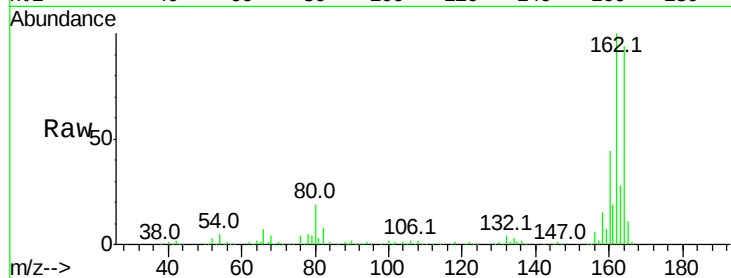




#56
2,4-Dinitrotoluene
Concen: 6.503 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.19 min
Lab File: BF104495.D
Acq: 13 Apr 2018 22:42

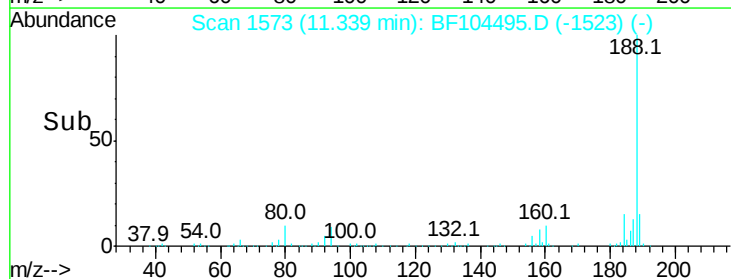
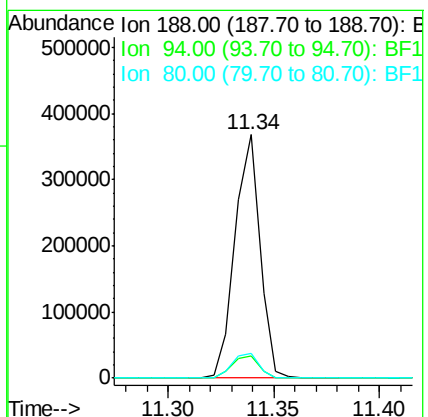
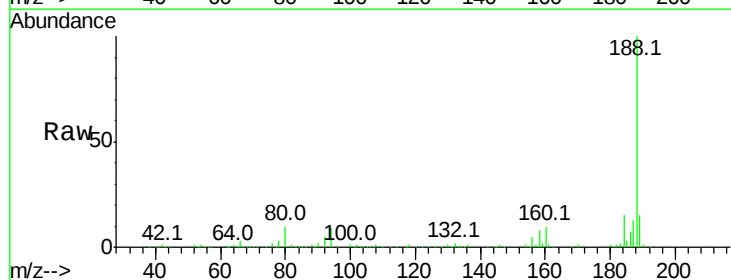
Instrument :
BNA_F
ClientSampleId :

Tot Ion:	165	Resp:	24967
Ion	Ratio	Lower	Upper
165	100		
63	1.9	36.4	54.6#
89	2.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF104495.D
Acq: 13 Apr 2018 22:42

Tgt Ion:	188	Resp:	300835
Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.5	12.7
80	10.3	9.2	13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 7.411 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.18 min

Lab File: BF104495.D

Acq: 13 Apr 2018 22:42

Instrument :

BNA_F

ClientSampled :

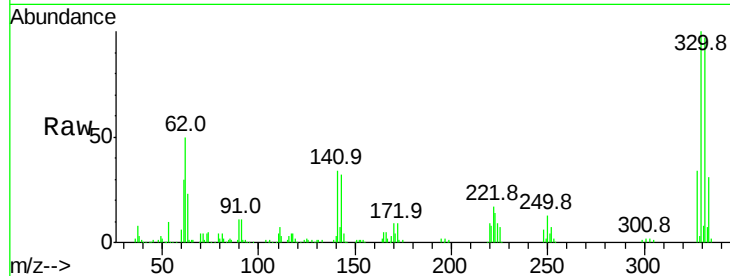
Tot Ion:198 Resp: 111

Ion Ratio Lower Upper

198 100

51 164.8 37.7 77.7#

105 193.0 36.3 76.3#

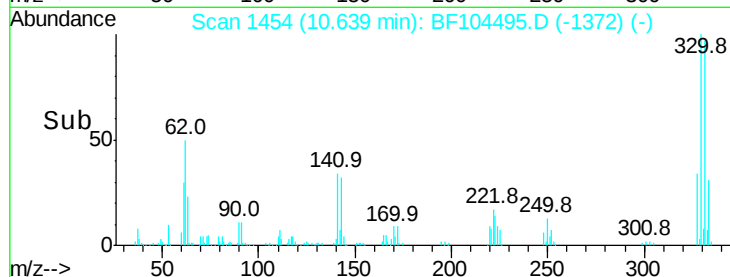


Abundance Ion 198.00 (197.70 to 198.70): E

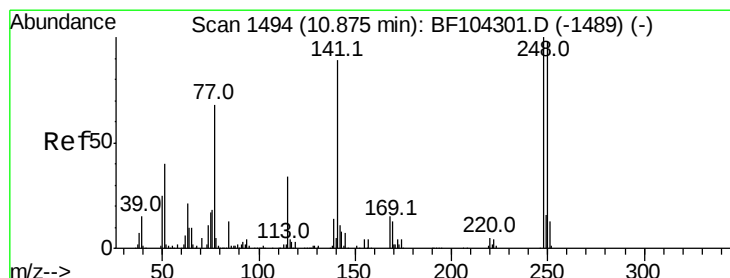
Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

Time-->



Time-->



#66

4-Bromophenyl-phenylether

Concen: 2.134 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.25 min

Lab File: BF104495.D

Acq: 13 Apr 2018 22:42

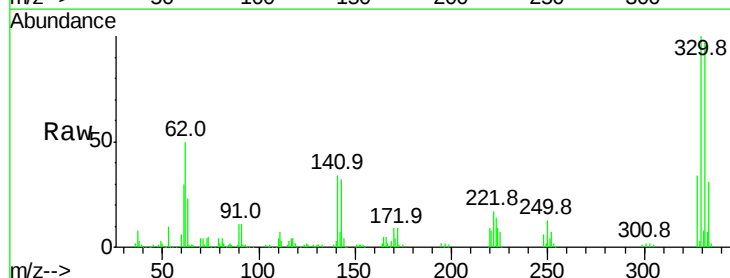
Tgt Ion:248 Resp: 6830

Ion Ratio Lower Upper

248 100

250 204.6 76.9 115.3#

141 557.1 74.4 111.6#

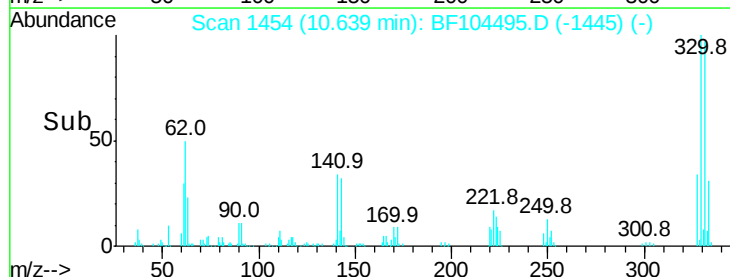


Abundance Ion 248.00 (247.70 to 248.70): E

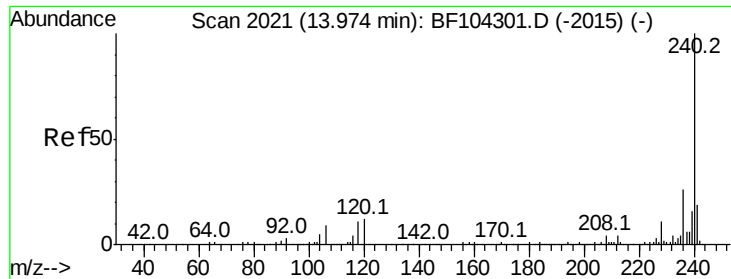
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

Time-->



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104495.D

Acq: 13 Apr 2018 22:42

Instrument :

BNA_F

ClientSampleId :

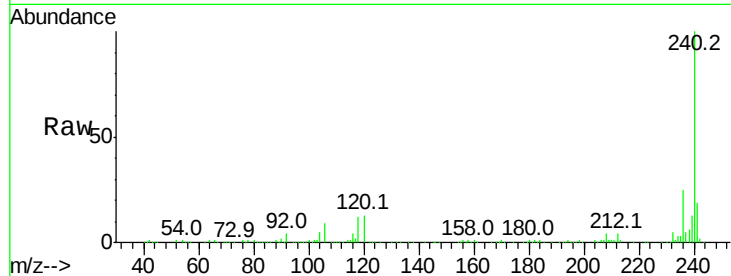
Tot Ion:240 Resp: 234769

Ion Ratio Lower Upper

240 100

120 13.0 9.5 14.3

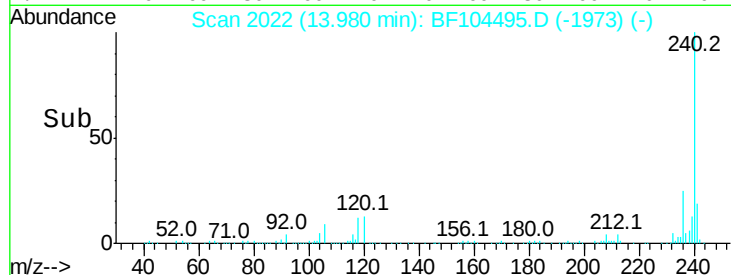
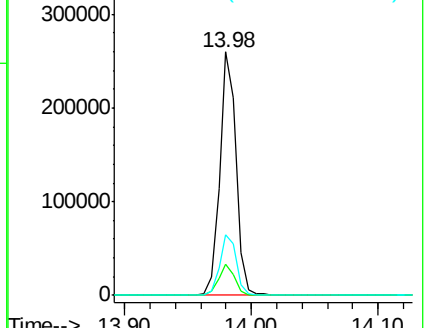
236 25.0 20.7 31.1



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

Terphenyl-d14

Concen: 50.203 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF104495.D

Acq: 13 Apr 2018 22:42

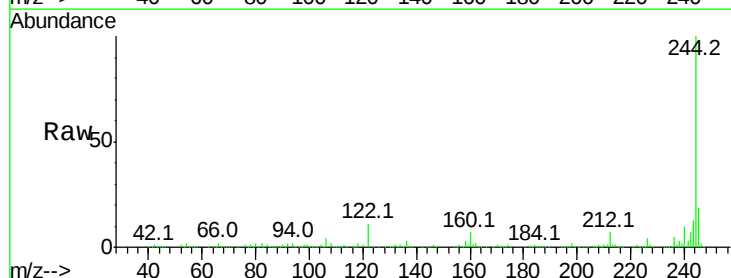
Tgt Ion:244 Resp: 516976

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

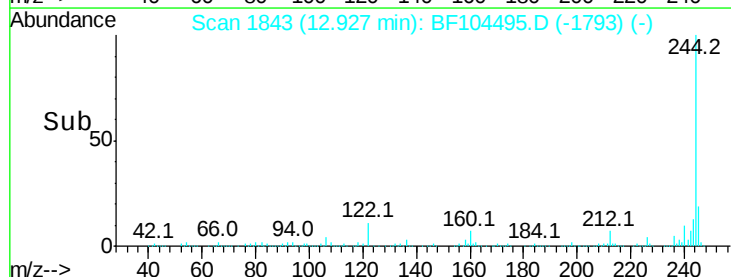
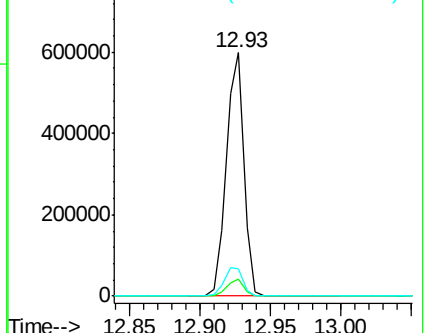
122 11.0 11.0 16.4

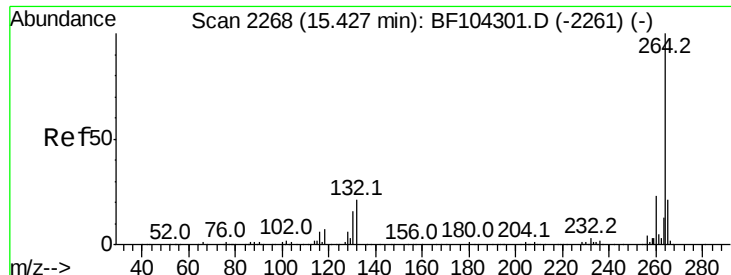


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

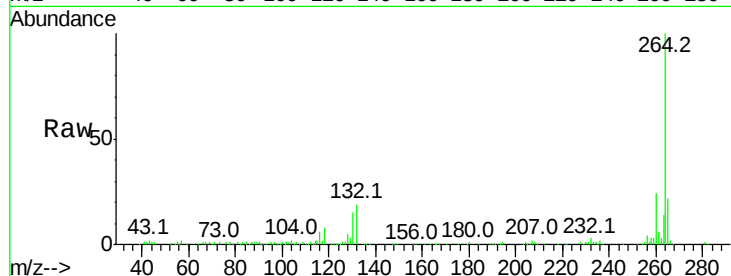




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. -0.01 min
 Lab File: BF104495.D
 Acq: 13 Apr 2018 22:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.7	17.5	26.3



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

