

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102219\
 Data File : BF117479.D
 Acq On : 22 Oct 2019 15:51
 Operator : JU
 Sample : K5420-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 22 16:19:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

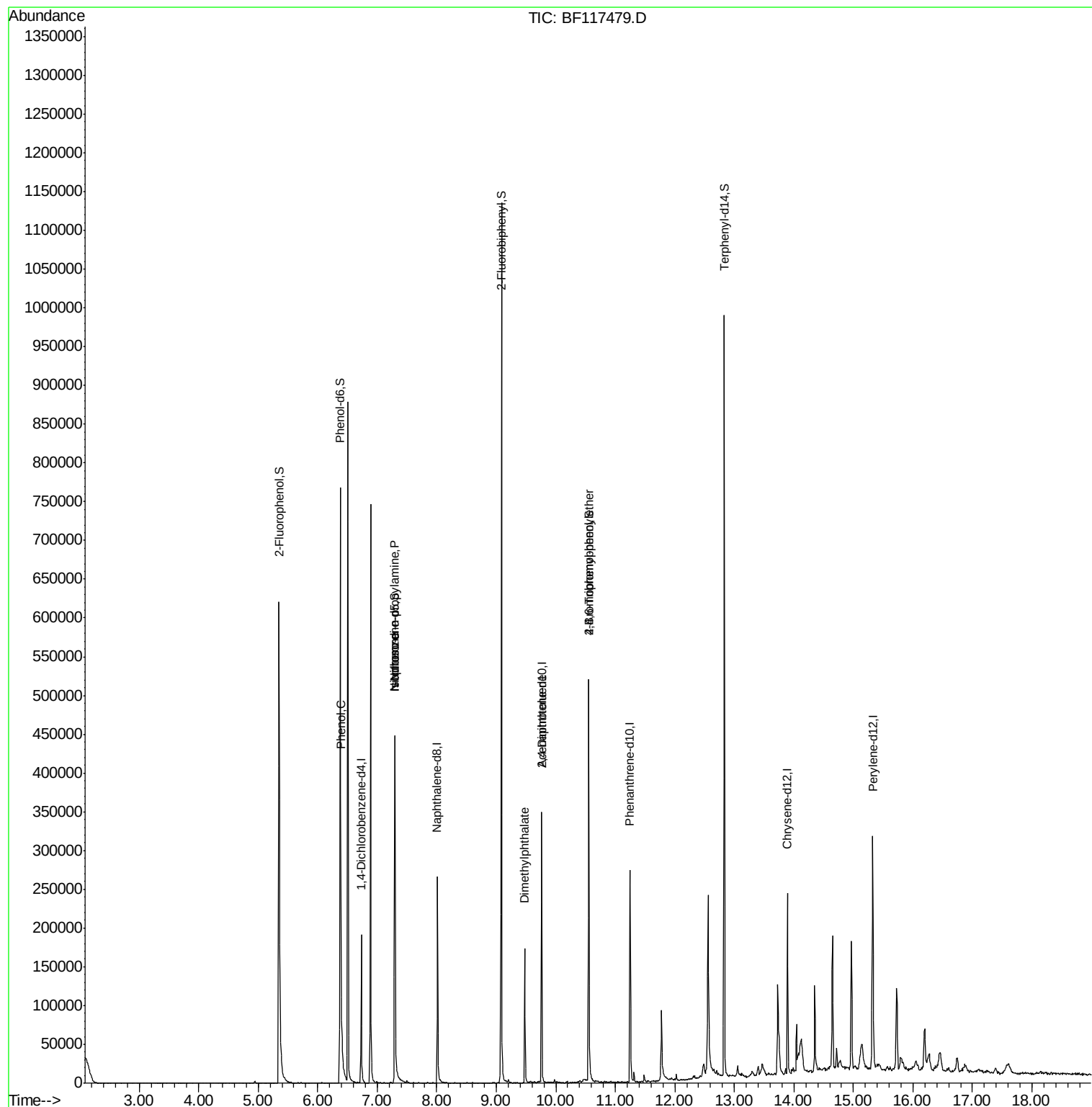
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	33005	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	129339	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	66944	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	109875	20.00	ng	0.00
76) Chrysene-d12	13.89	240	79617	20.00	ng	0.00
87) Perylene-d12	15.33	264	77607	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	219784	99.07	ng	0.00
7) Phenol-d6	6.38	99	299468	100.50	ng	0.00
23) Nitrobenzene-d5	7.29	82	188500	71.95	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	54515	94.12	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	335725	70.66	ng	0.00
79) Terphenyl-d14	12.83	244	326089	66.81	ng	0.00
Target Compounds						
9) Benzaldehyde	6.38	77	252	Below Cal	#	3
10) Phenol	6.39	94	6295	2.070 ng	#	83
19) n-Nitroso-di-n-propylamine	7.29	70	23938	13.154 ng	#	77
25) Isophorone	7.29	82	188498	41.591 ng	#	65
50) Dimethylphthalate	9.48	163	60536	12.685 ng	#	99
57) 2,4-Dinitrotoluene	9.76	165	8865	6.695 ng	#	12
67) 4-Bromophenyl-phenylether	10.55	248	3516	2.971 ng	#	1
77) Benzidine	12.83	184	4752	Below Cal	#	92

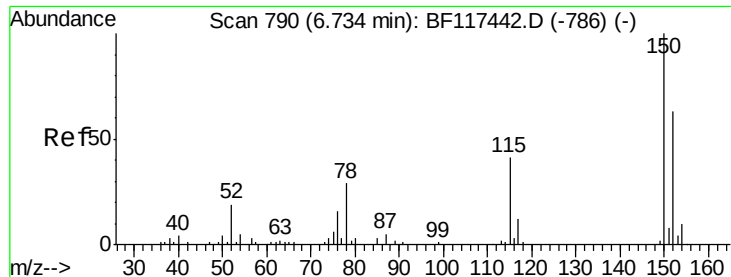
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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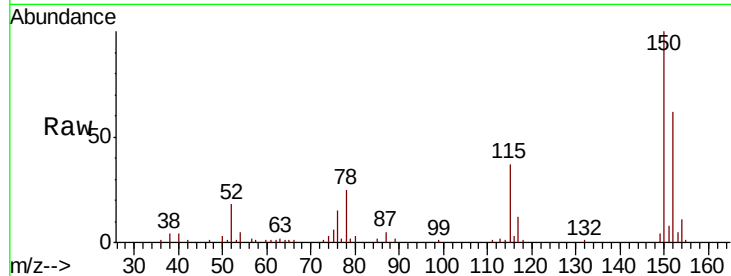


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF117479.D
Acq: 22 Oct 2019 15:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.1	126.8	190.2
115	59.4	51.6	77.4

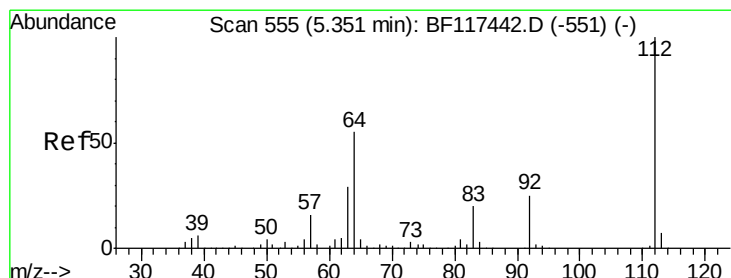
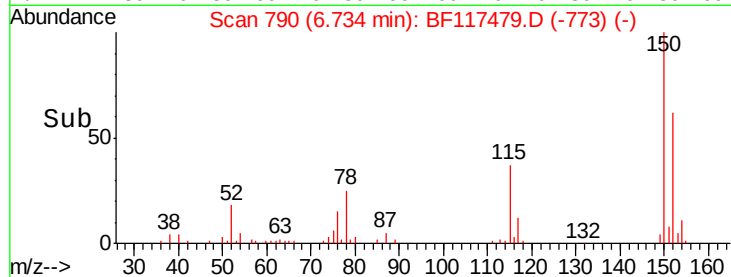
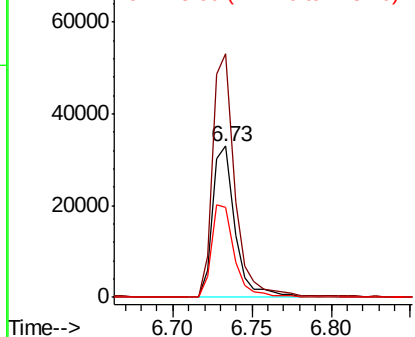


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

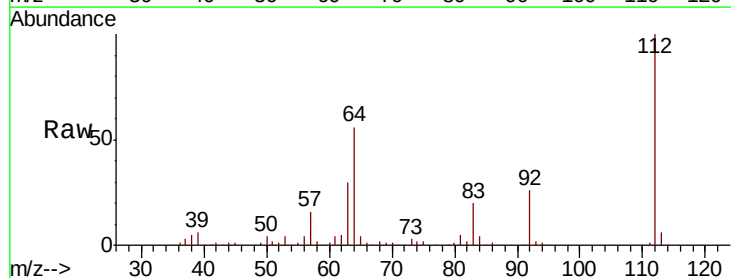
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 99.068 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF117479.D
Acq: 22 Oct 2019 15:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	44.1	66.1
63	30.1	23.4	35.2

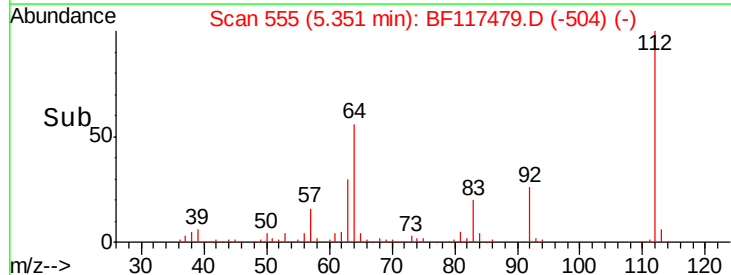
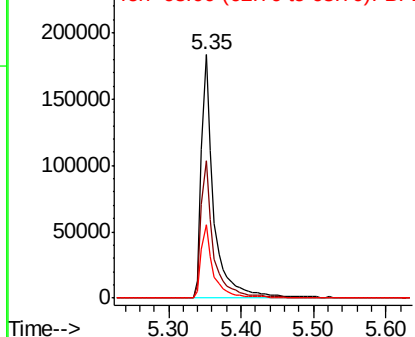


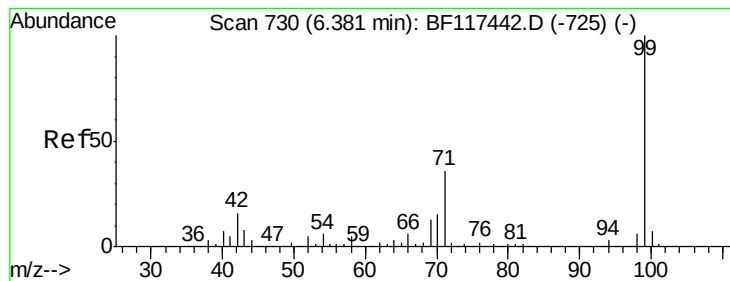
Abundance

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: 100.502 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117479.D

Acq: 22 Oct 2019 15:51

Instrument :

BNA_F

ClientSampled :

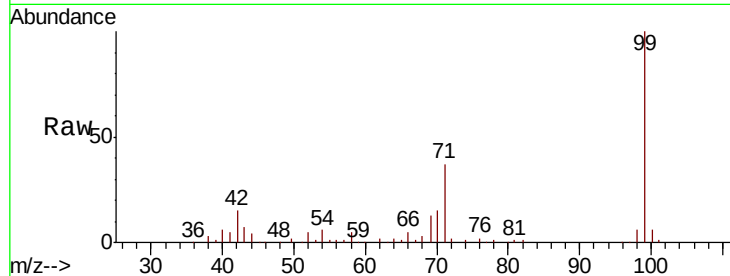
Tot Ion: 99 Resp: 299468

Ion Ratio Lower Upper

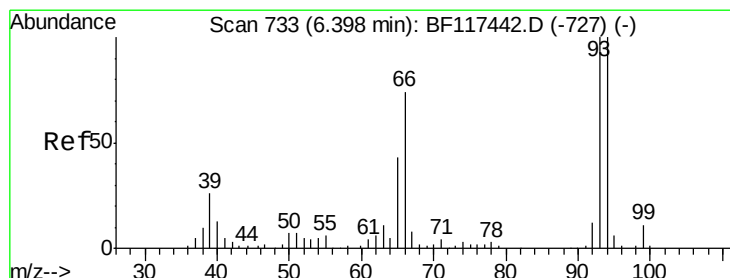
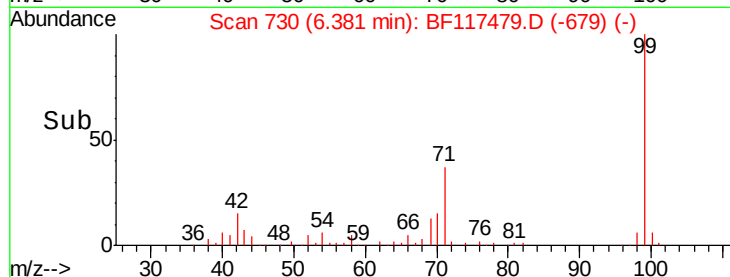
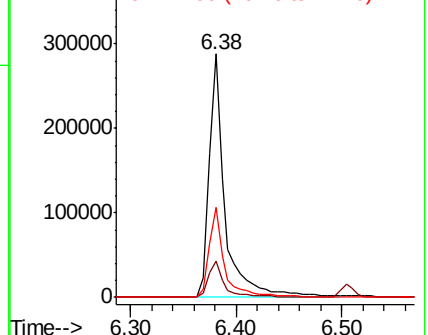
99 100

42 15.1 12.8 19.2

71 37.0 28.6 43.0



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



#10

Phenol

Concen: 2.070 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF117479.D

Acq: 22 Oct 2019 15:51

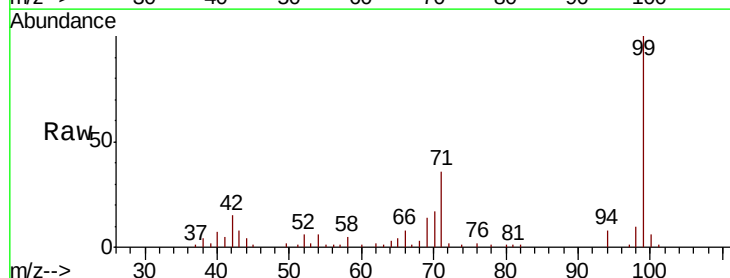
Tgt Ion: 94 Resp: 6295

Ion Ratio Lower Upper

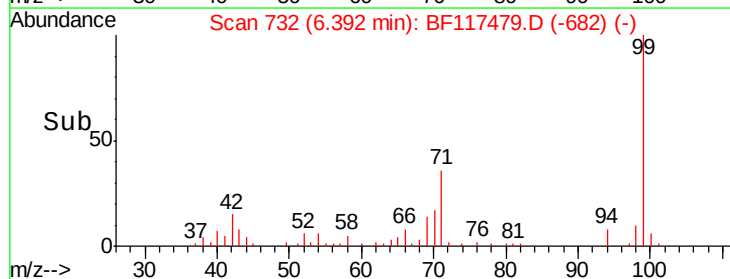
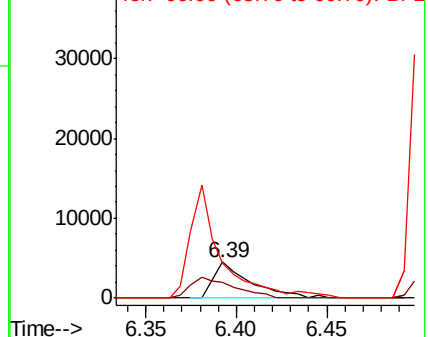
94 100

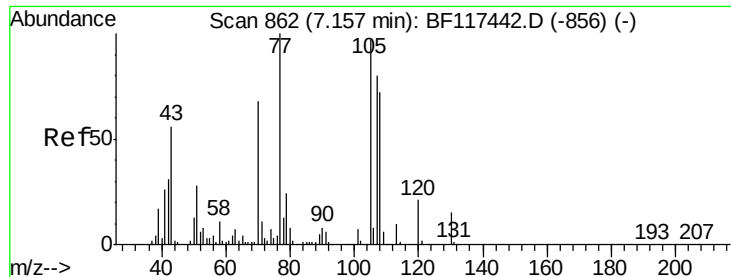
65 44.1 23.4 63.4

66 96.7 54.7 94.7#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 13.154 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF117479.D

Acq: 22 Oct 2019 15:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 23938

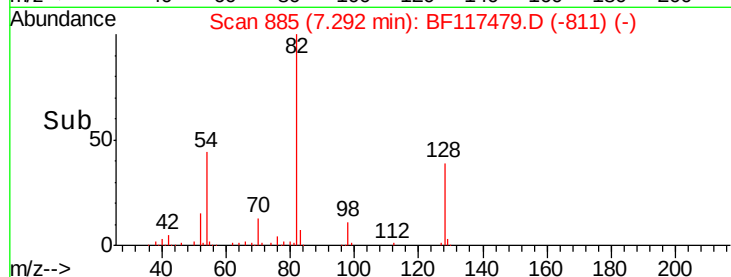
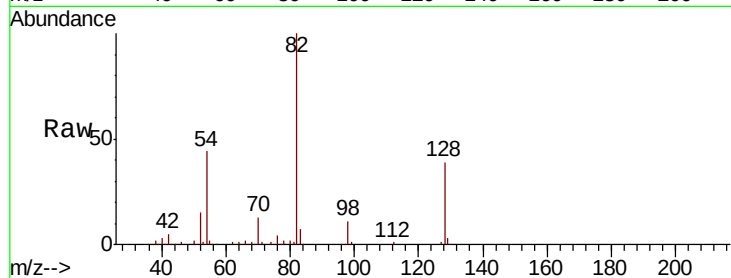
Ion Ratio Lower Upper

70 100

42 38.4 36.7 55.1

101 0.0 8.3 12.5#

130 1.5 18.1 27.1#

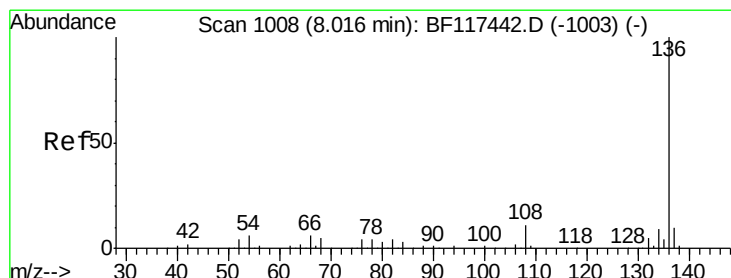
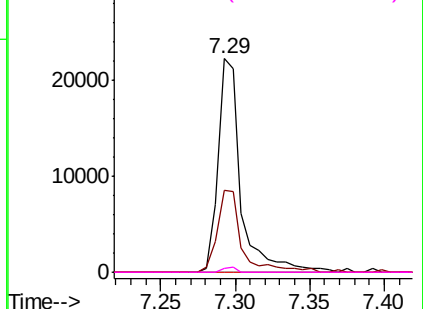


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF117479.D

Acq: 22 Oct 2019 15:51

Tgt Ion:136 Resp: 129339

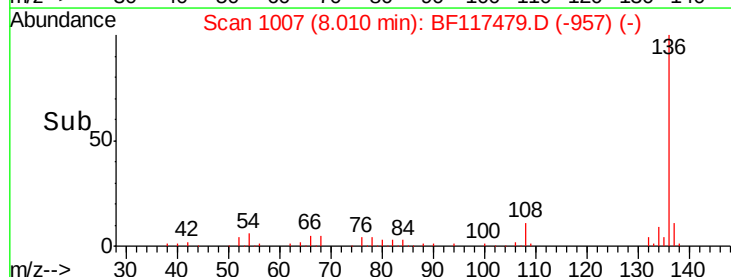
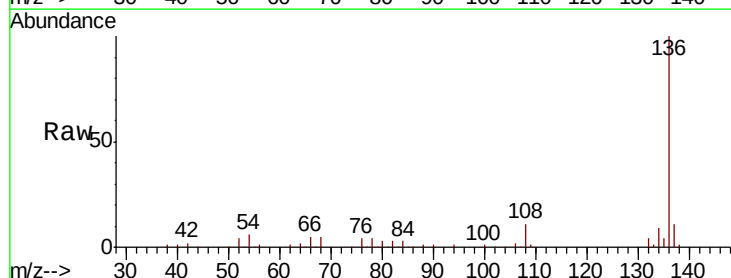
Ion Ratio Lower Upper

136 100

137 11.3 8.2 12.4

54 5.5 4.5 6.7

68 5.5 4.3 6.5

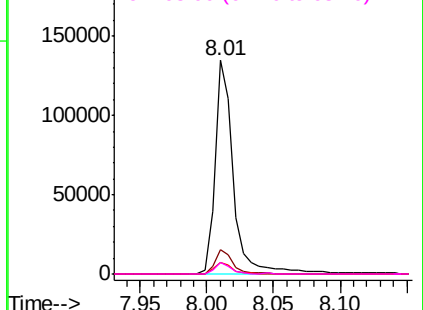


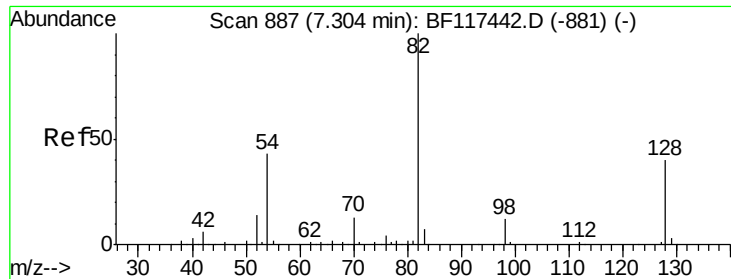
Abundance Ion 136.00 (135.70 to 136.70): E

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

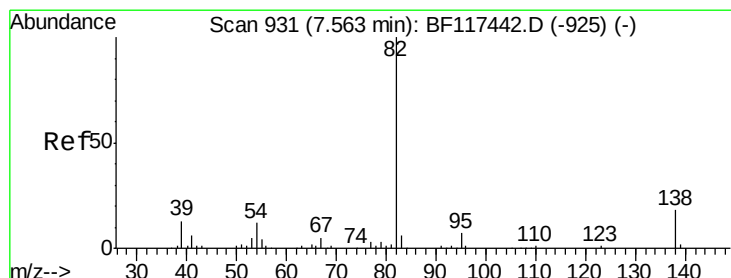
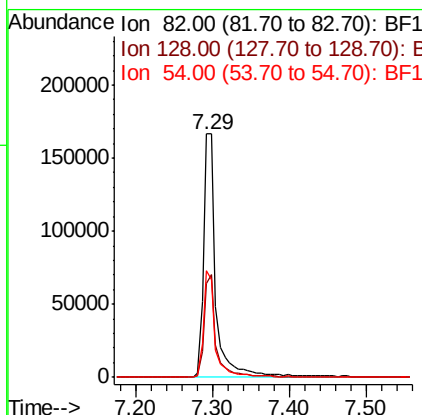
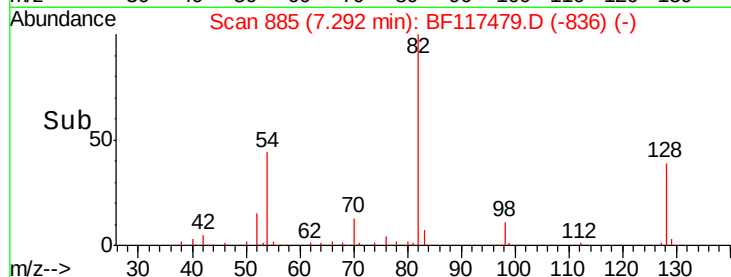
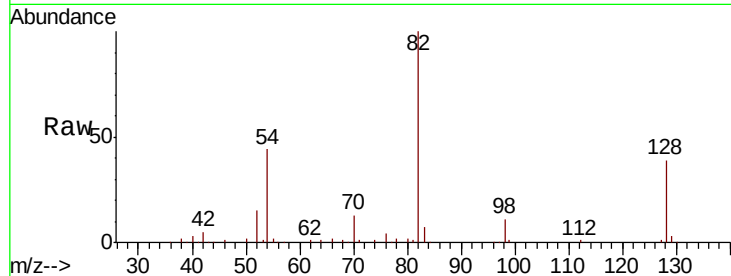




#23
Nitrobenzene-d5
Concen: 71.949 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117479.D
Acq: 22 Oct 2019 15:51

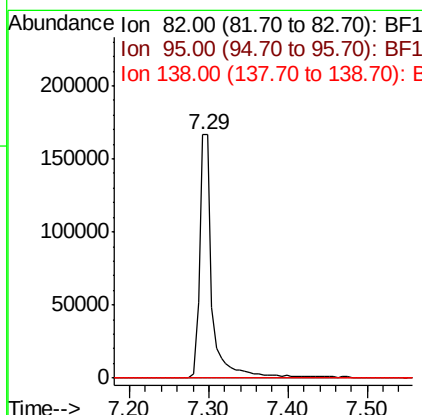
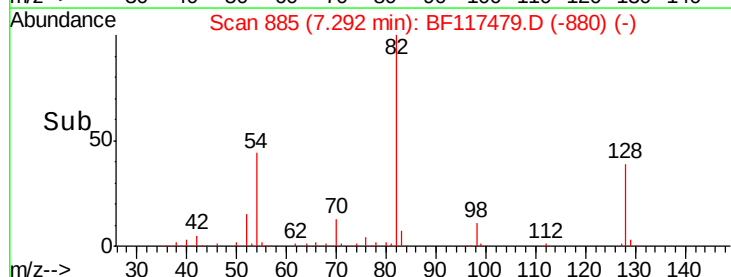
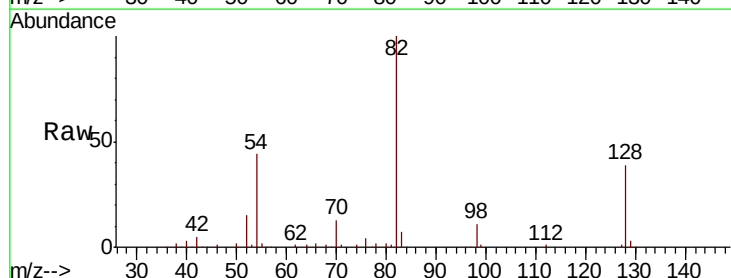
Instrument :
BNA_F
ClientSampleId :

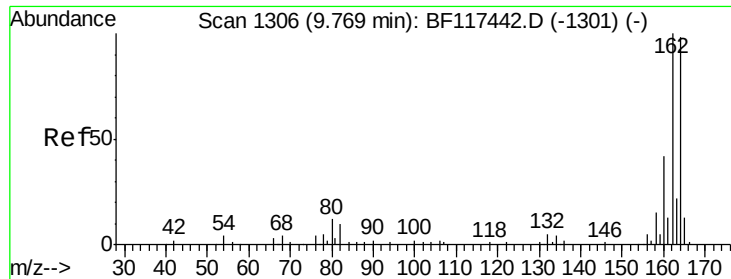
Tot Ion	82	Resp	188500
Ion Ratio	100	Lower	Upper
128	38.6	32.2	48.2
54	43.6	34.2	51.2



#25
Isophorone
Concen: 41.591 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.27 min
Lab File: BF117479.D
Acq: 22 Oct 2019 15:51

Tgt Ion	82	Resp	188498
Ion Ratio	100	Lower	Upper
95	0.0	5.4	8.0#
138	0.0	14.2	21.2#

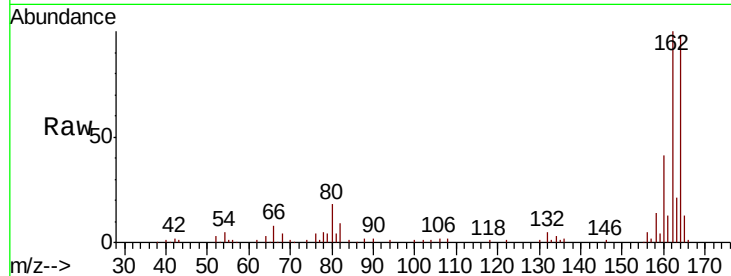




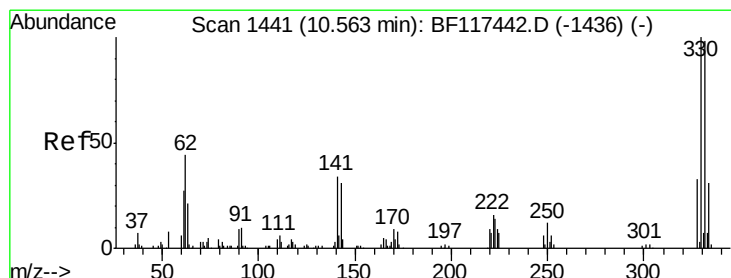
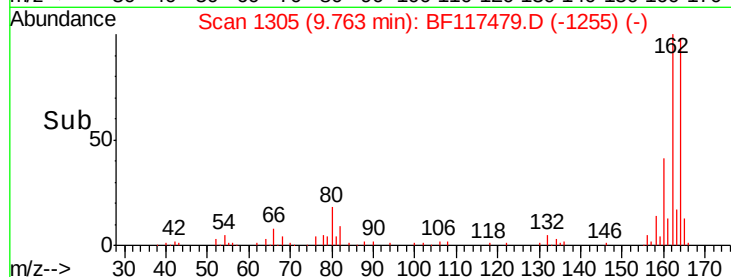
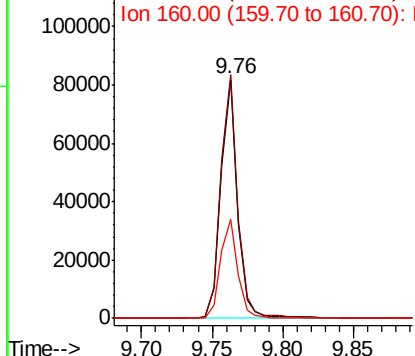
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117479.D
Acq: 22 Oct 2019 15:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 66944
Ion Ratio Lower Upper
164 100
162 102.1 81.8 122.6
160 41.7 34.4 51.6

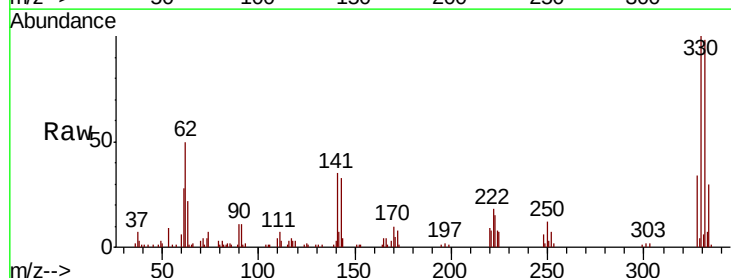


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

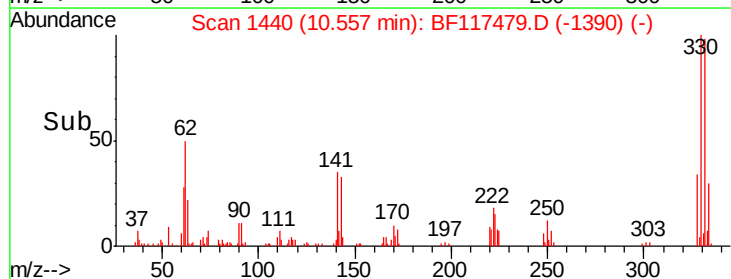
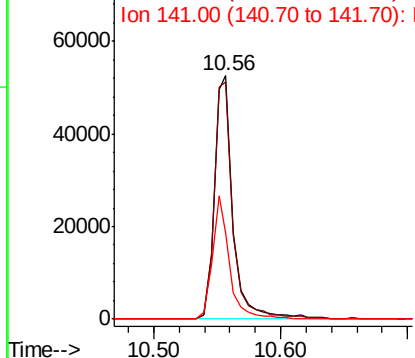


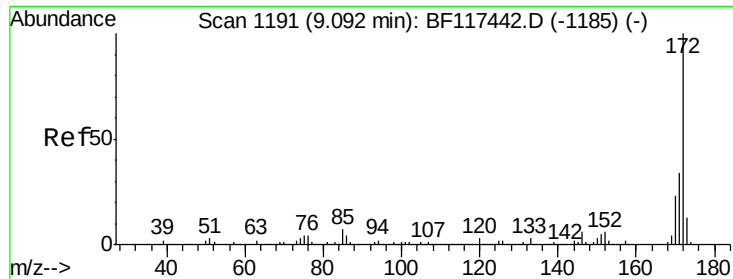
#42
2,4,6-Tribromophenol
Concen: 94.115 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117479.D
Acq: 22 Oct 2019 15:51

Tgt Ion:330 Resp: 54515
Ion Ratio Lower Upper
330 100
332 98.1 78.5 117.7
141 46.1 37.0 55.6



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

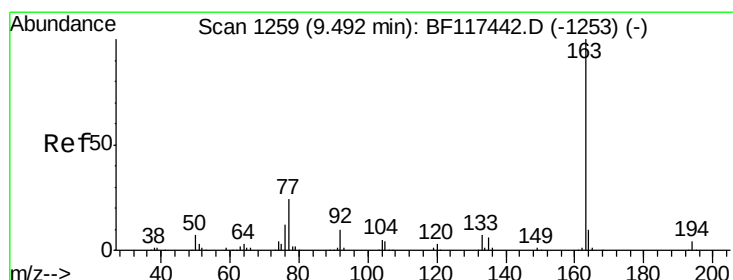
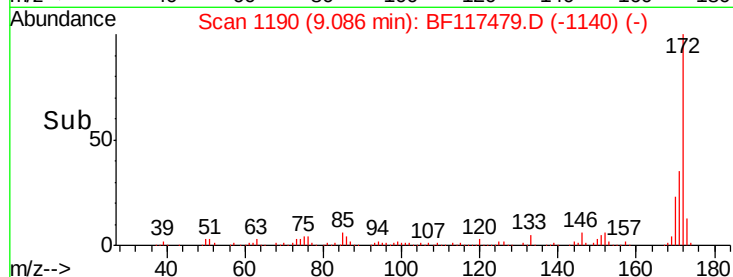
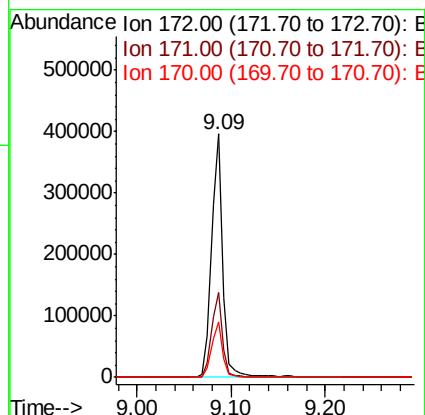
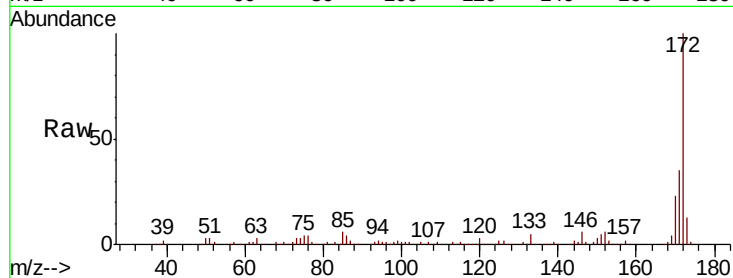




#45
2-Fluorobiphenyl
Concen: 70.661 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117479.D
Acq: 22 Oct 2019 15:51

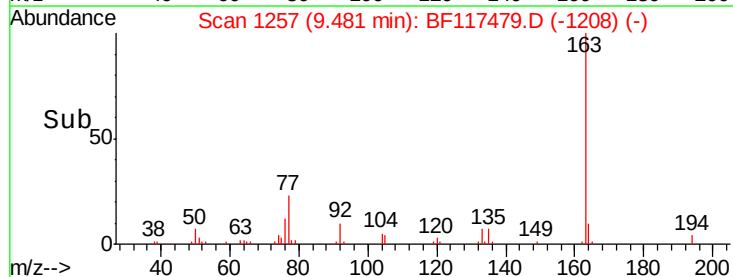
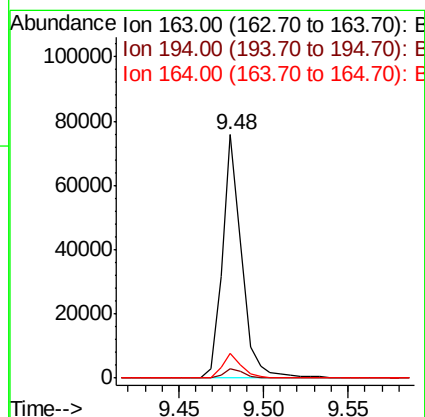
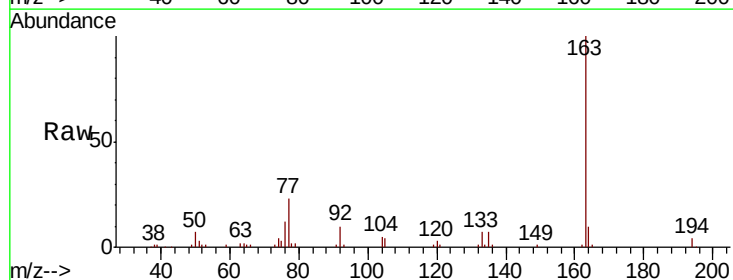
Instrument :
BNA_F
ClientSampleId :

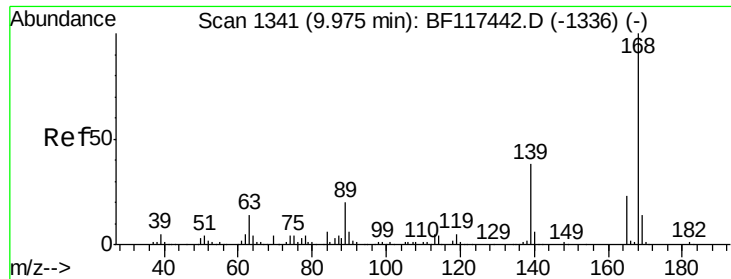
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.5	41.3
170	22.7	18.6	27.8



#50
Dimethylphthalate
Concen: 12.685 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117479.D
Acq: 22 Oct 2019 15:51

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.9	4.3
164	10.0	8.2	12.2





#57

2,4-Dinitrotoluene

Concen: 6.695 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.21 min

Lab File: BF117479.D

Acq: 22 Oct 2019 15:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 8865

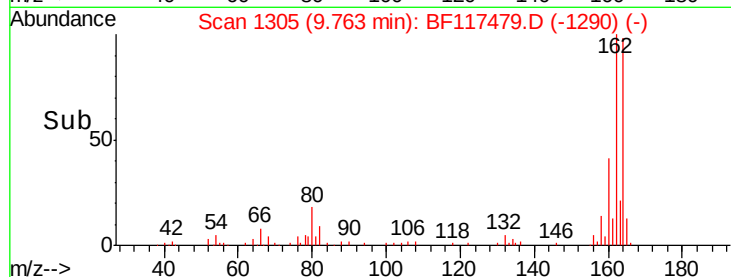
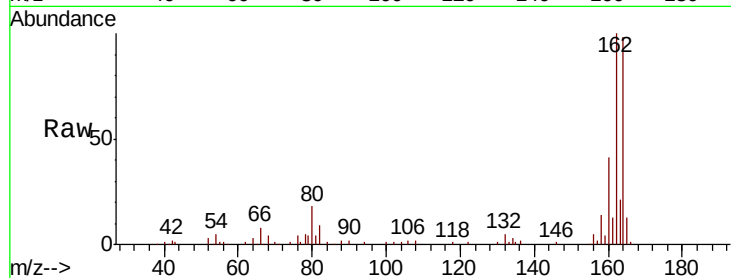
Ion Ratio Lower Upper

165 100

63 0.0 51.4 77.0#

89 0.0 69.9 104.9#

182 0.0 1.9 2.9#

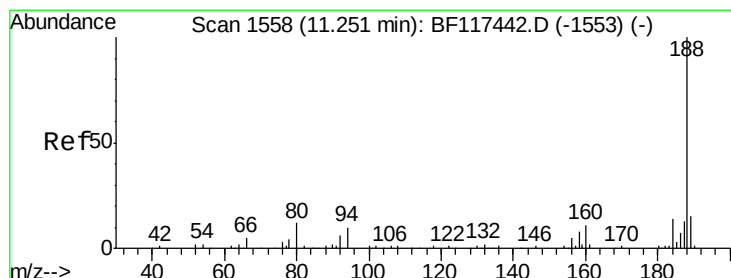
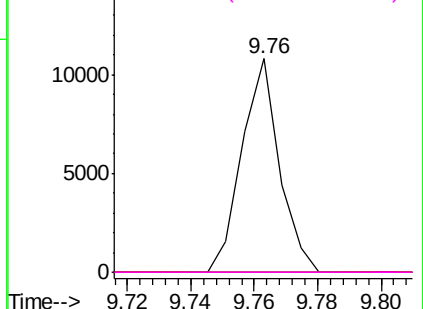


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF117479.D

Acq: 22 Oct 2019 15:51

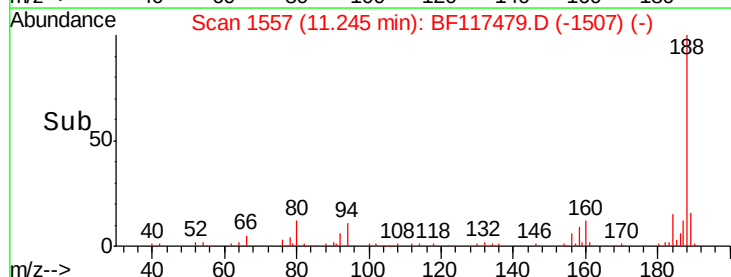
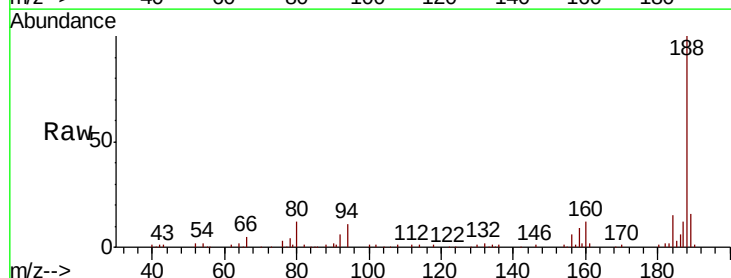
Tgt Ion:188 Resp: 109875

Ion Ratio Lower Upper

188 100

94 10.7 8.0 12.0

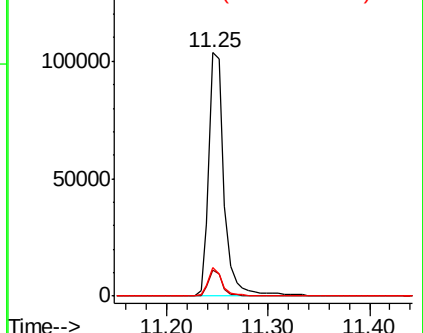
80 11.9 9.5 14.3

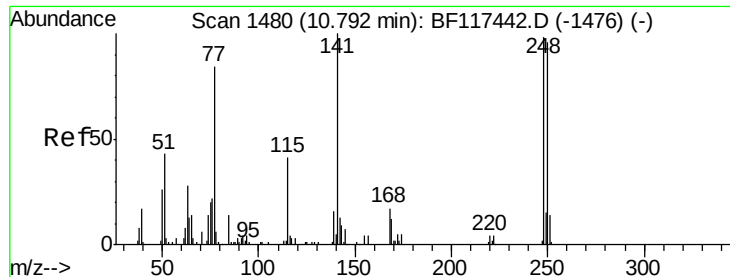


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#67

4-Bromophenyl-phenylether

Concen: 2.971 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.24 min

Lab File: BF117479.D

Acq: 22 Oct 2019 15:51

Instrument :

BNA_F

ClientSampleId :

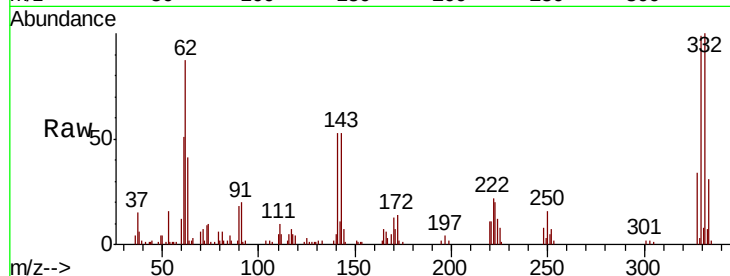
Tot Ion:248 Resp: 3516

Ion Ratio Lower Upper

248 100

250 200.7 78.0 117.0#

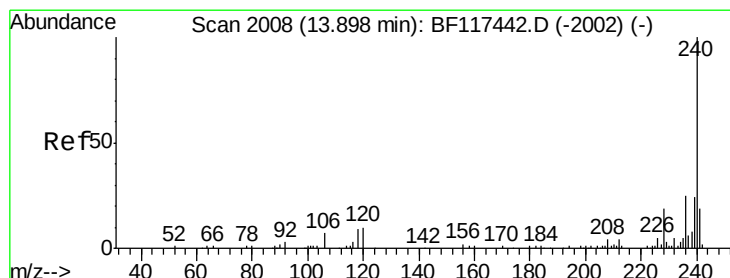
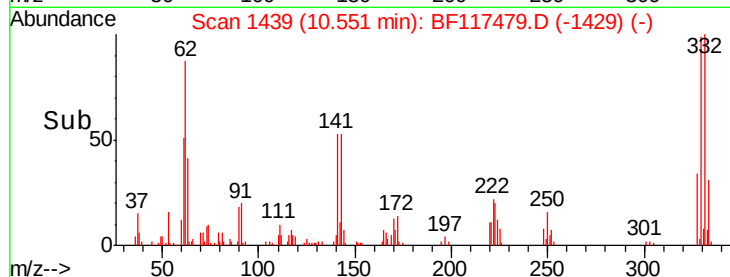
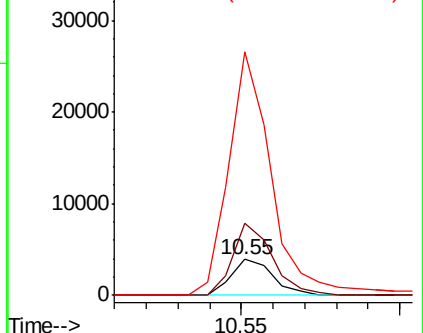
141 683.0 81.7 122.5#



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: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF117479.D

Acq: 22 Oct 2019 15:51

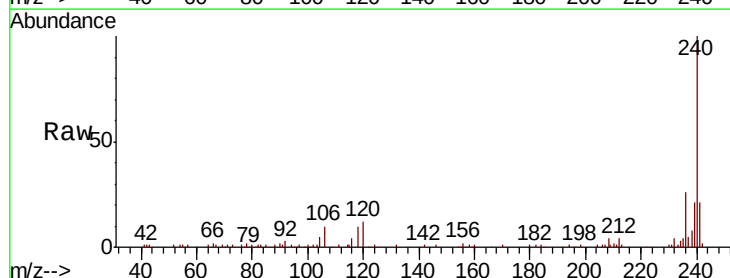
Tgt Ion:240 Resp: 79617

Ion Ratio Lower Upper

240 100

120 12.2 8.4 12.6

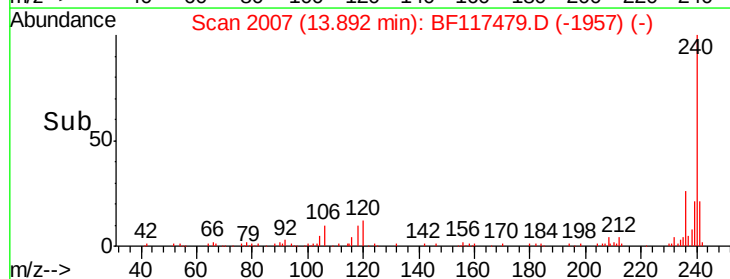
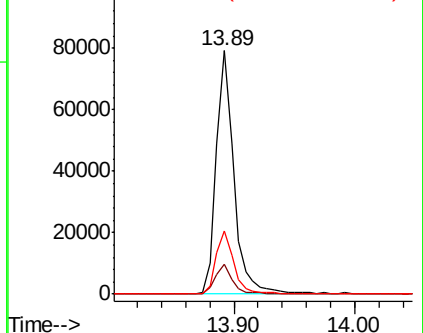
236 25.9 20.0 30.0

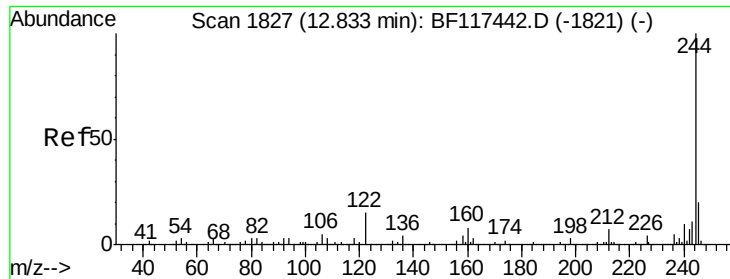


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

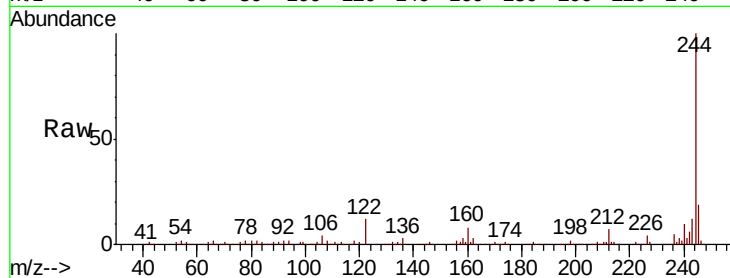




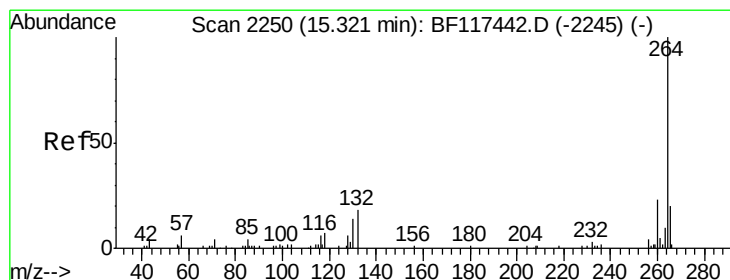
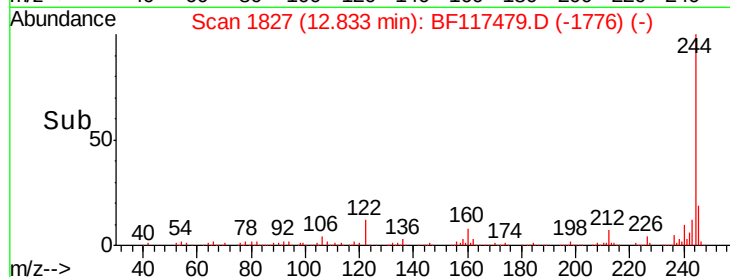
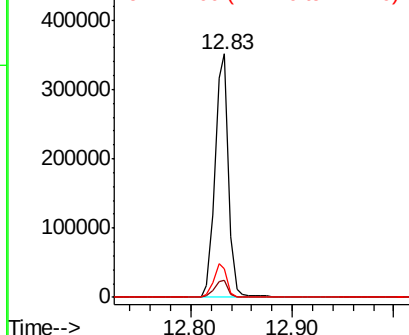
#79
 Terphenyl-d14
 Concen: 66.806 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.00 min
 Lab File: BF117479.D
 Acq: 22 Oct 2019 15:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 326089
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.6
 122 11.7 11.8 17.8#

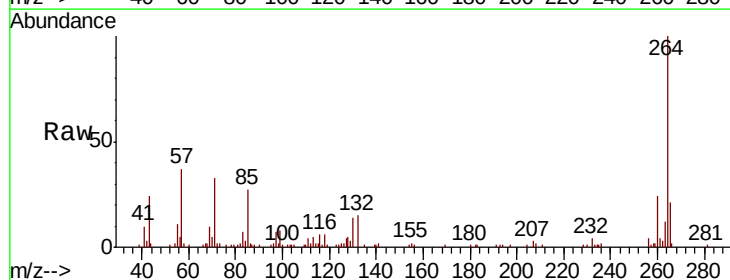


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2251
 Delta R.T. 0.01 min
 Lab File: BF117479.D
 Acq: 22 Oct 2019 15:51

Tgt Ion:264 Resp: 77607
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.4 27.6
 265 21.0 16.1 24.1



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

