

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
 Data File : BF117601.D
 Acq On : 29 Oct 2019 19:51
 Operator : JU
 Sample : K5497-17 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 03:32:56 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

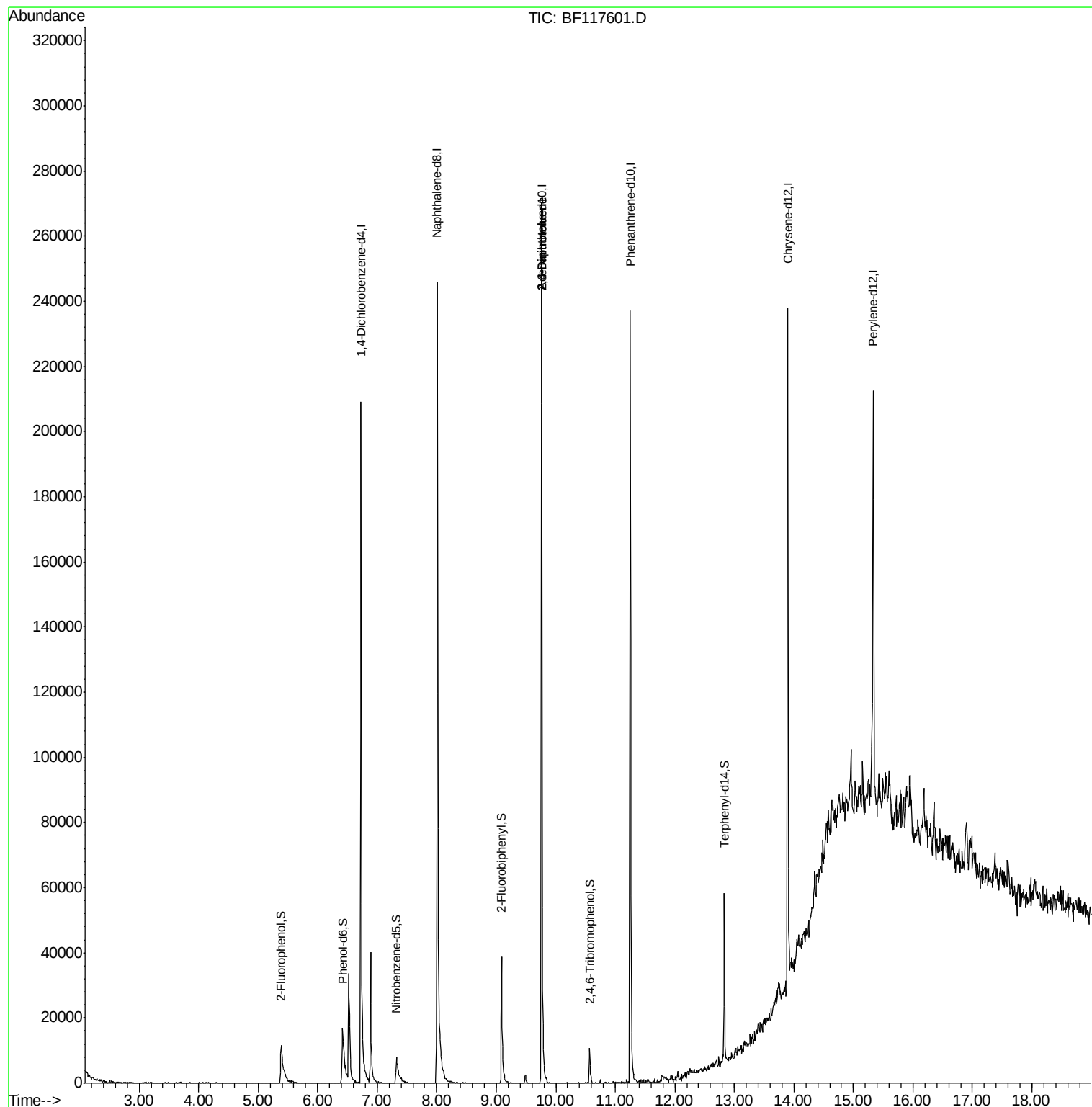
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	38730	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	164724	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	68860	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	101511	20.00	ng	0.00
76) Chrysene-d12	13.90	240	75770	20.00	ng	0.00
87) Perylene-d12	15.33	264	58590	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	14608	5.61	ng	0.04
7) Phenol-d6	6.42	99	20340	5.82	ng	0.04
23) Nitrobenzene-d5	7.33	82	10816	3.24	ng	0.02
42) 2,4,6-Tribromophenol	10.57	330	2782	4.67	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	24727	5.06	ng	0.00
79) Terphenyl-d14	12.83	244	19710	4.24	ng	0.00
Target Compounds						
9) Benzaldehyde	6.52	77	110	Below Cal	#	3
51) 2,6-Dinitrotoluene	9.76	165	8351	8.152 ng	#	22
57) 2,4-Dinitrotoluene	9.76	165	8351	6.132 ng	#	12
77) Benzidine	12.83	184	142	Below Cal	#	67

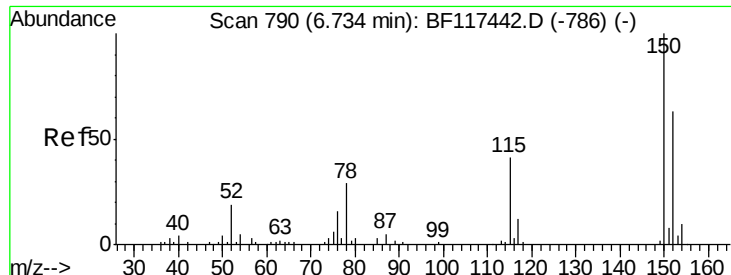
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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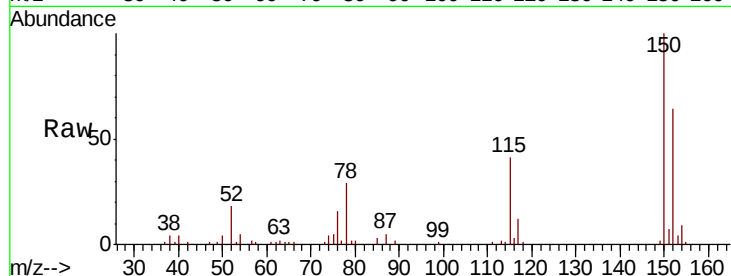


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117601.D
Acq: 29 Oct 2019 19:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	126.8	190.2
115	64.1	51.6	77.4

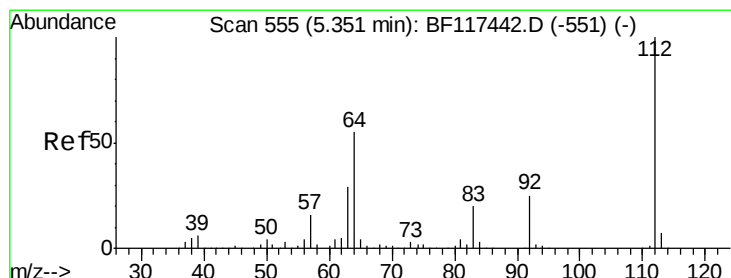
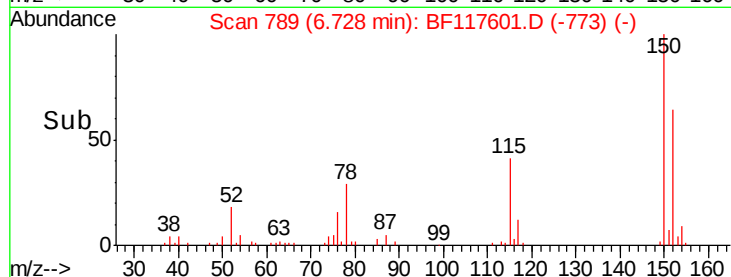
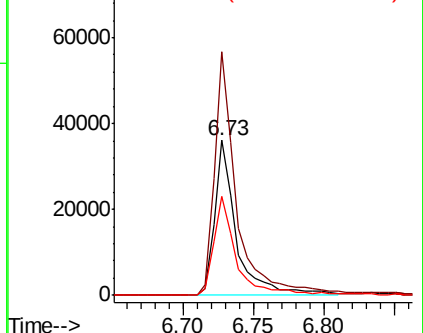


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

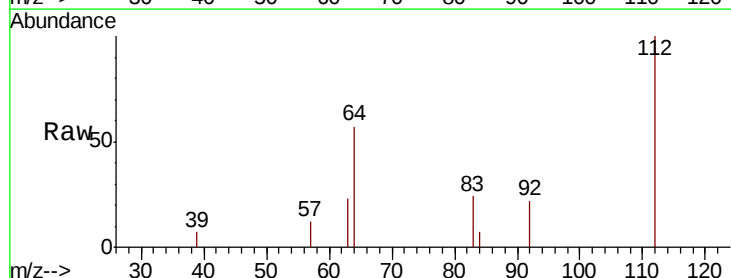
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 5.611 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.04 min
Lab File: BF117601.D
Acq: 29 Oct 2019 19:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	44.1	66.1
63	22.7	23.4	35.2

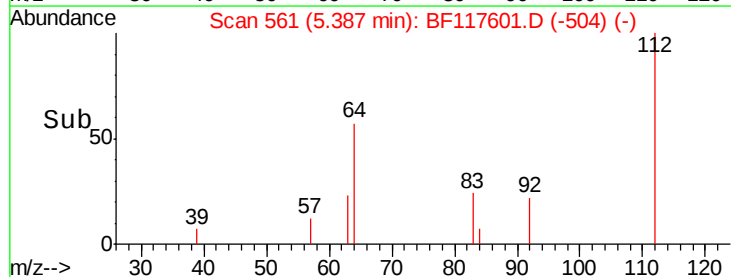
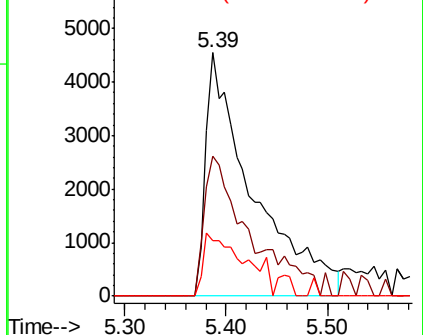


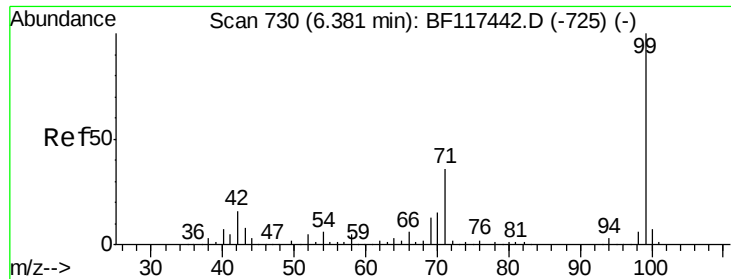
Abundance

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: 5.817 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.04 min

Lab File: BF117601.D

Acq: 29 Oct 2019 19:51

Instrument :

BNA_F

ClientSampleId :

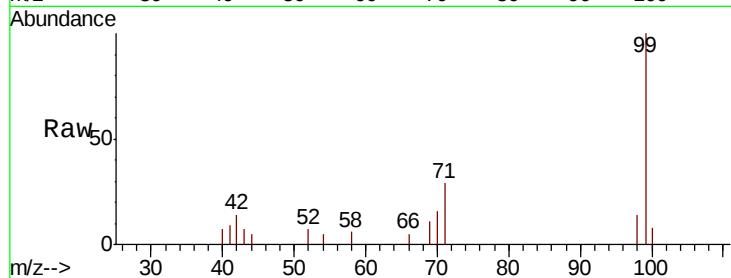
Tot Ion: 99 Resp: 20340

Ion Ratio Lower Upper

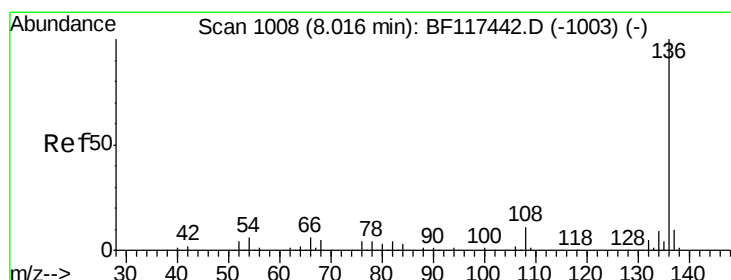
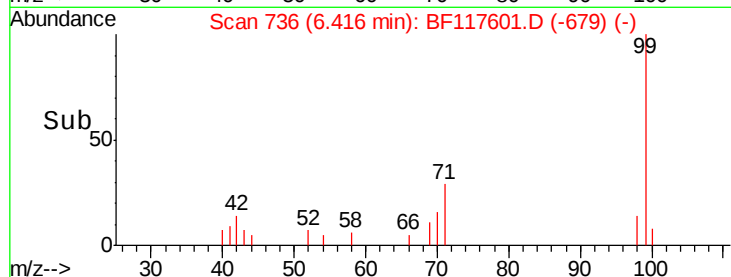
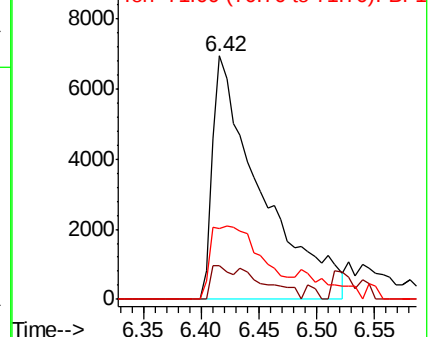
99 100

42 13.8 12.8 19.2

71 29.1 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF117601.D

Acq: 29 Oct 2019 19:51

Tgt Ion: 136 Resp: 164724

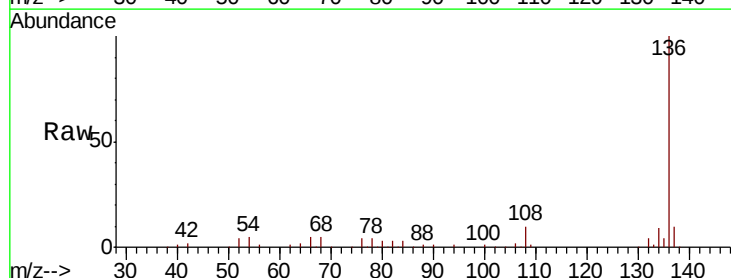
Ion Ratio Lower Upper

136 100

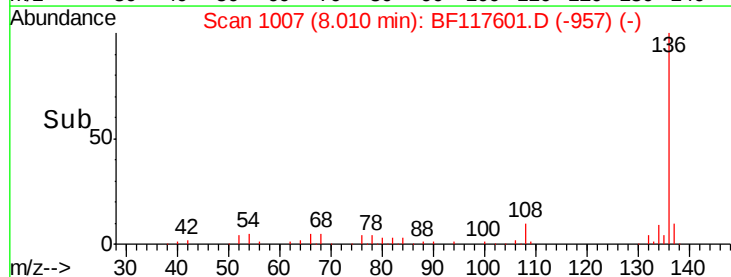
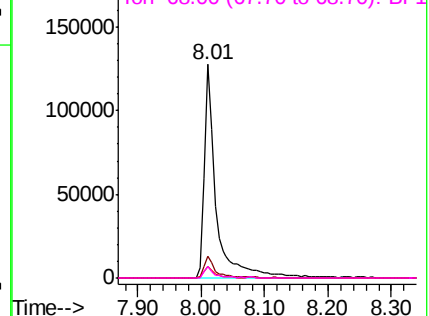
137 10.2 8.2 12.4

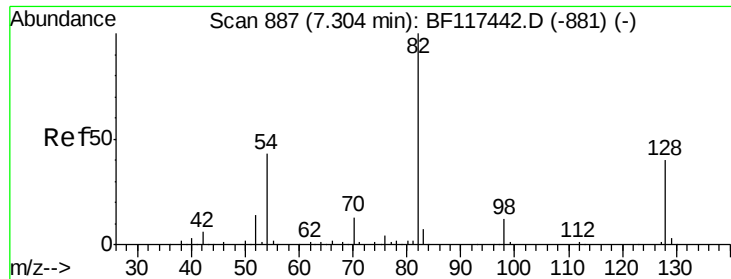
54 5.5 4.5 6.7

68 5.1 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

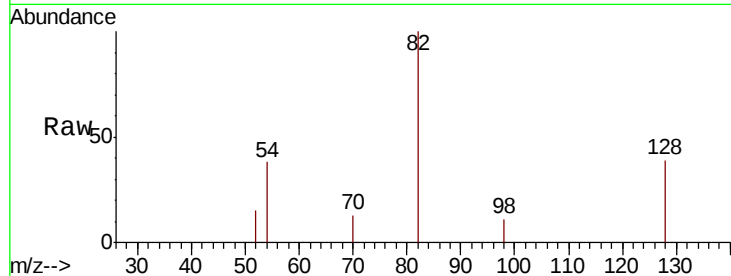




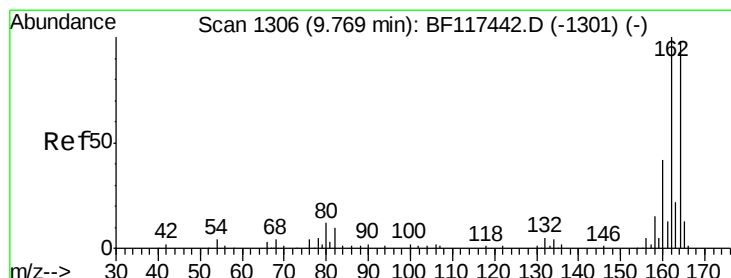
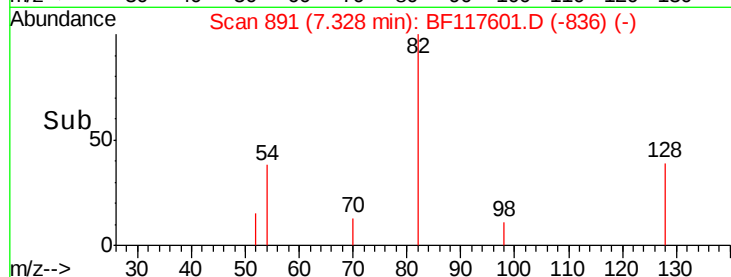
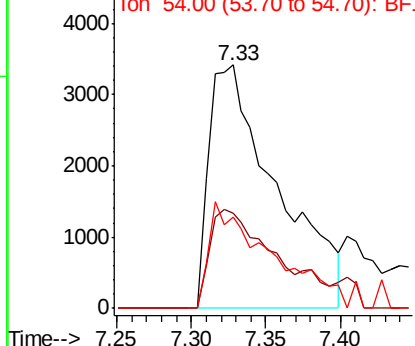
#23
 Nitrobenzene-d5
 Concen: 3.242 ng
 RT: 7.33 min Scan# 891
 Delta R.T. 0.02 min
 Lab File: BF117601.D
 Acq: 29 Oct 2019 19:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	10816
Ion Ratio	Lower	Upper	
82	100		
128	39.2	32.2	48.2
54	37.7	34.2	51.2

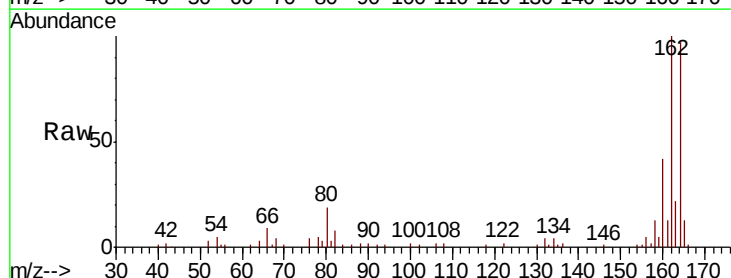


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

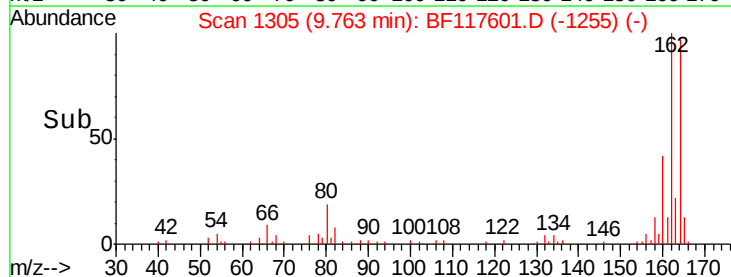
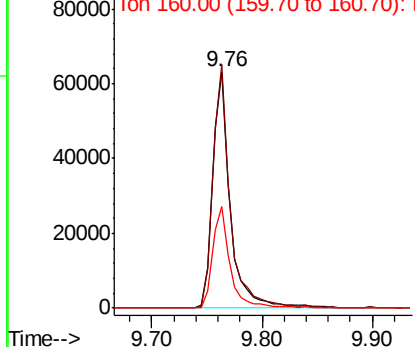


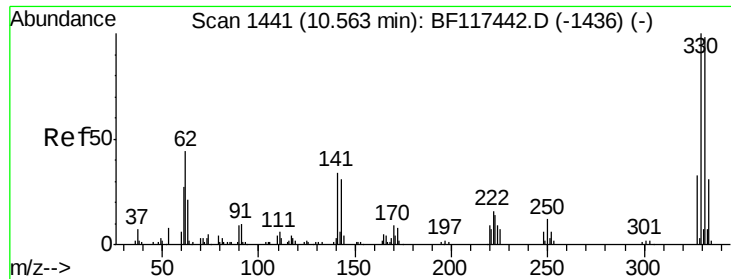
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF117601.D
 Acq: 29 Oct 2019 19:51

Tgt Ion	164	Resp	68860
Ion Ratio	Lower	Upper	
164	100		
162	103.0	81.8	122.6
160	43.1	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

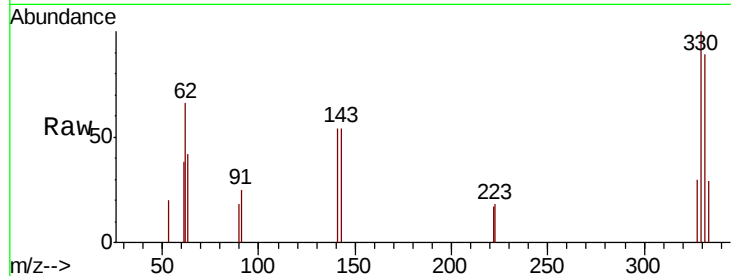




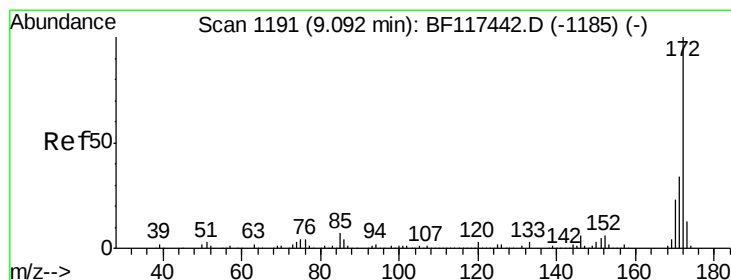
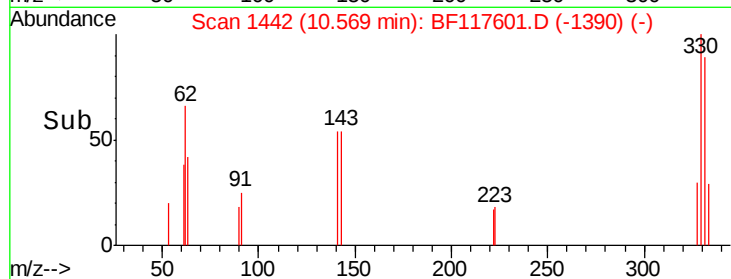
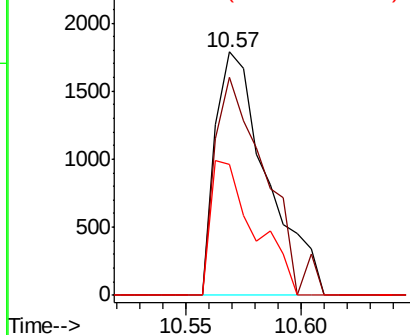
#42
 2,4,6-Tribromophenol
 Concen: 4.669 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: BF117601.D
 Acq: 29 Oct 2019 19:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 2782
 Ion Ratio Lower Upper
 330 100
 332 87.7 78.5 117.7
 141 47.0 37.0 55.6

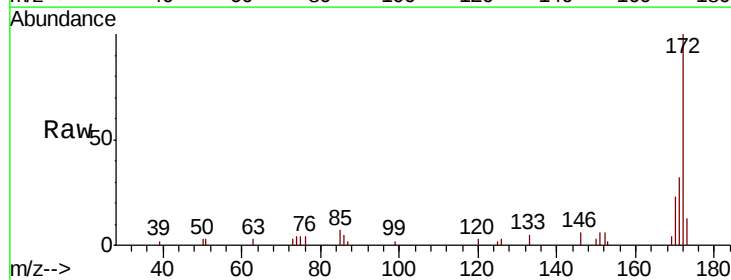


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

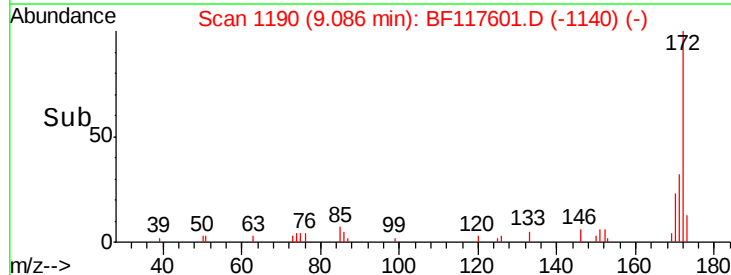
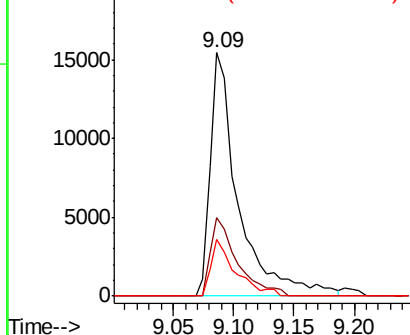


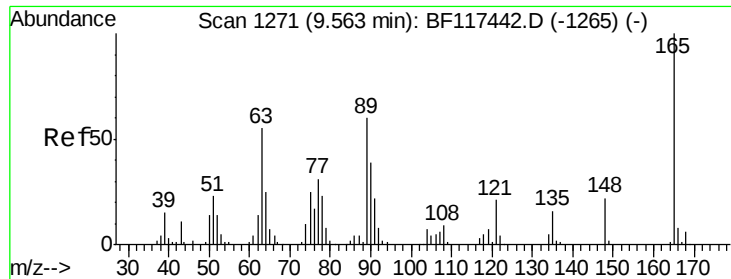
#45
 2-Fluorobiphenyl
 Concen: 5.060 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF117601.D
 Acq: 29 Oct 2019 19:51

Tgt Ion:172 Resp: 24727
 Ion Ratio Lower Upper
 172 100
 171 32.2 27.5 41.3
 170 23.4 18.6 27.8



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: 8.152 ng

RT: 9.76 min Scan# 1305

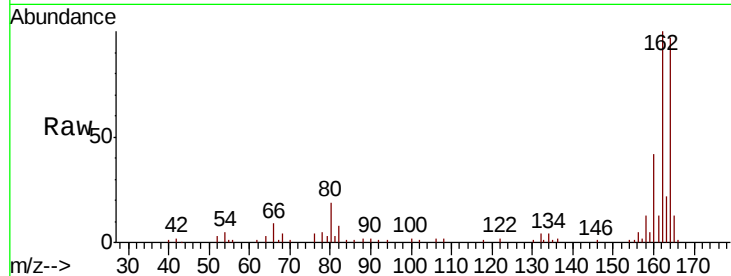
Delta R.T. 0.20 min

Lab File: BF117601.D

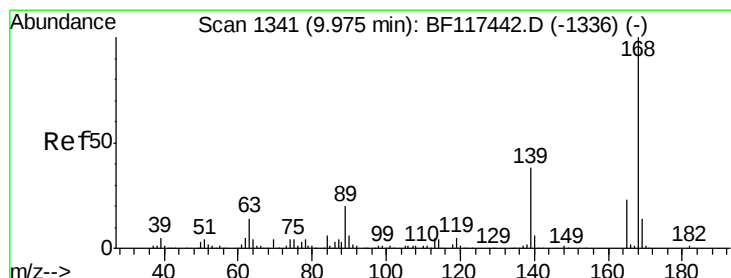
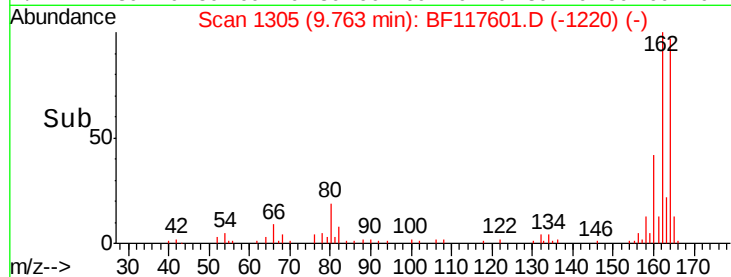
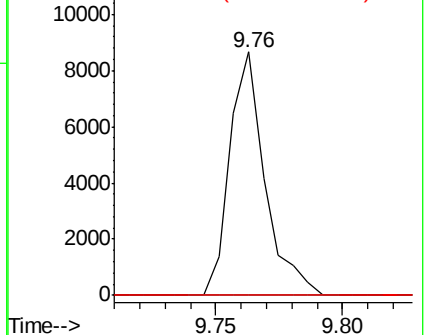
Acq: 29 Oct 2019 19:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	8351
Ion Ratio	Lower	Upper
165	100	
63	0.0	43.8 65.8#
89	0.0	47.6 71.4#



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



#57

2,4-Dinitrotoluene

Concen: 6.132 ng

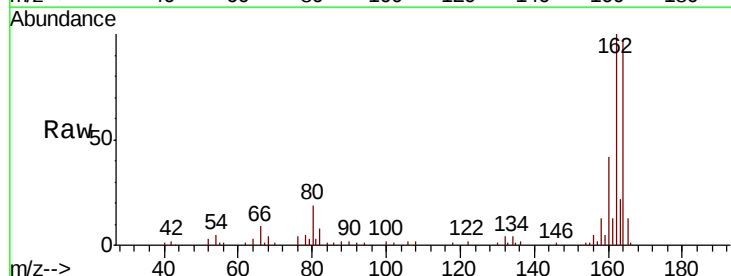
RT: 9.76 min Scan# 1305

Delta R.T. -0.21 min

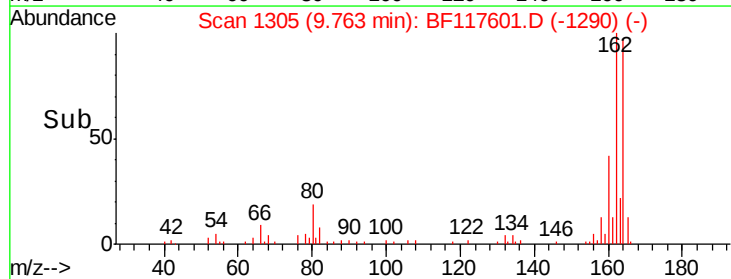
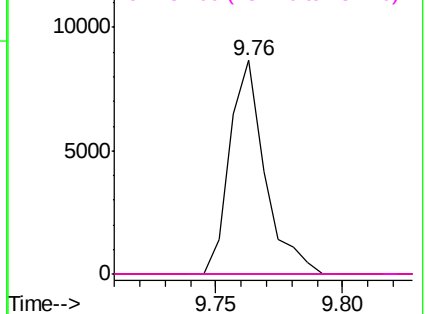
Lab File: BF117601.D

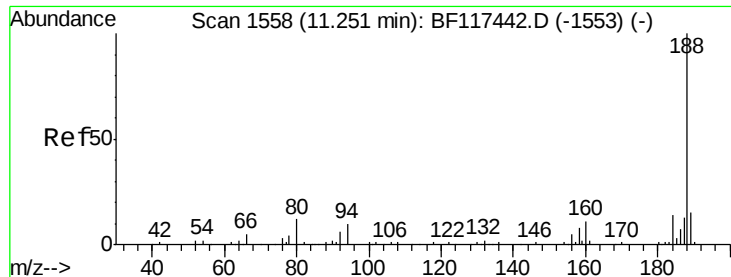
Acq: 29 Oct 2019 19:51

Tgt Ion:165	Resp:	8351
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# 1558

Delta R.T. 0.00 min

Lab File: BF117601.D

Acq: 29 Oct 2019 19:51

Instrument :

BNA_F

ClientSampleId :

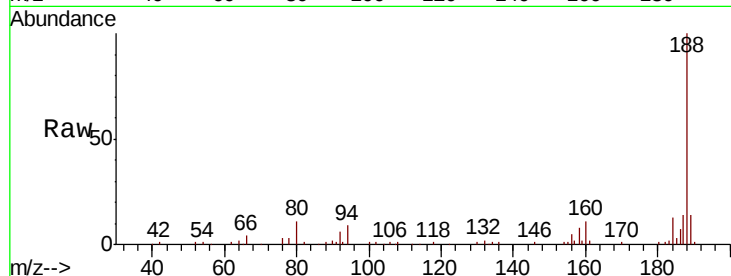
Tot Ion:188 Resp: 101511

Ion Ratio Lower Upper

188 100

94 9.1 8.0 12.0

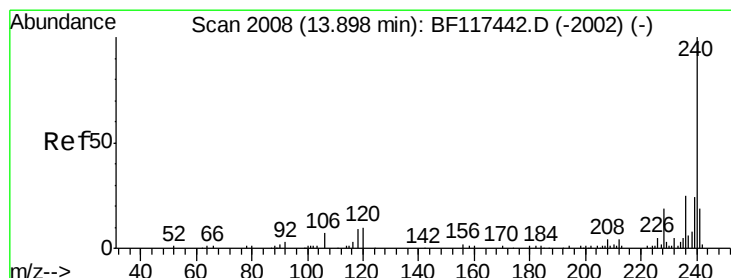
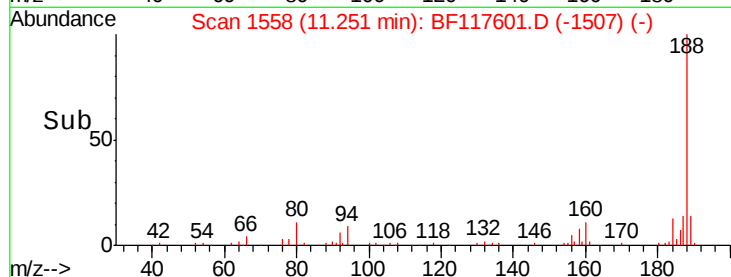
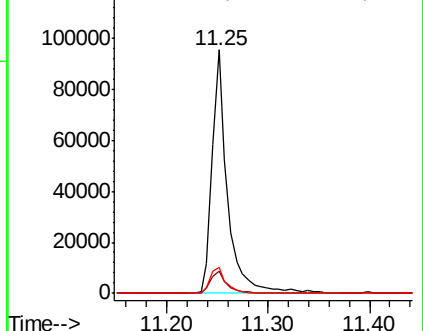
80 10.8 9.5 14.3



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BF117601.D

Acq: 29 Oct 2019 19:51

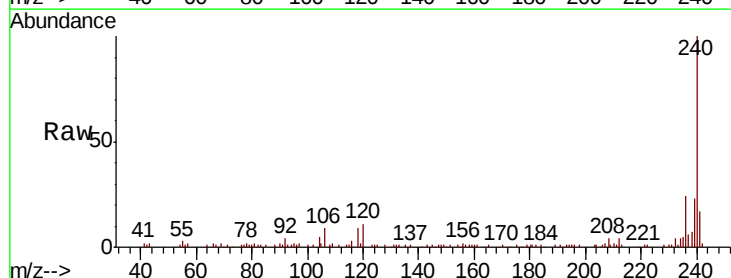
Tgt Ion:240 Resp: 75770

Ion Ratio Lower Upper

240 100

120 11.2 8.4 12.6

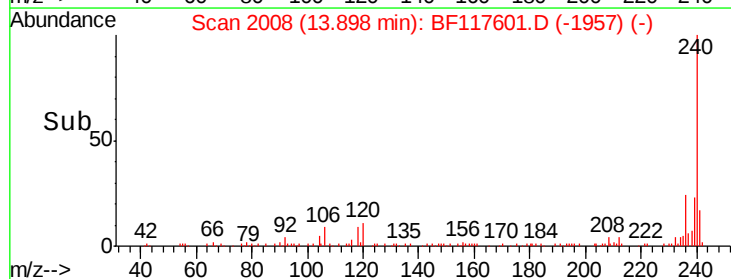
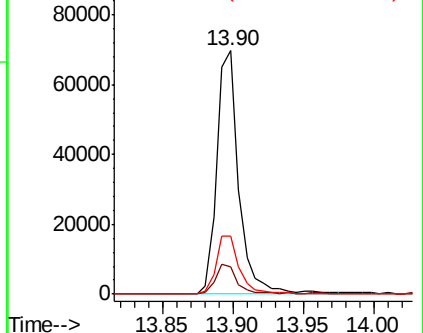
236 23.9 20.0 30.0

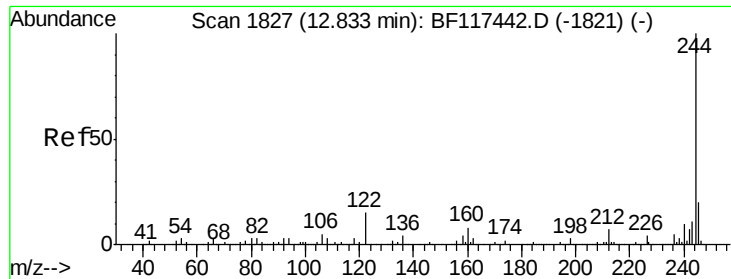


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 4.243 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF117601.D

Acq: 29 Oct 2019 19:51

Instrument :

BNA_F

ClientSampleId :

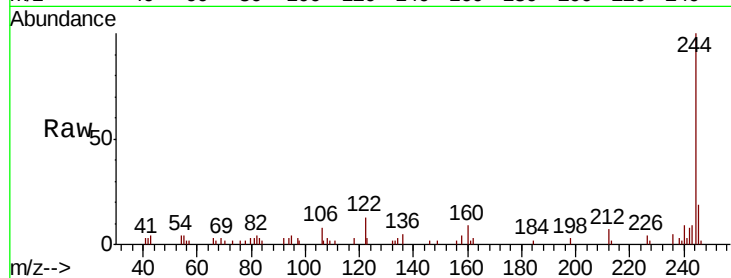
Tot Ion:244 Resp: 19710

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.6

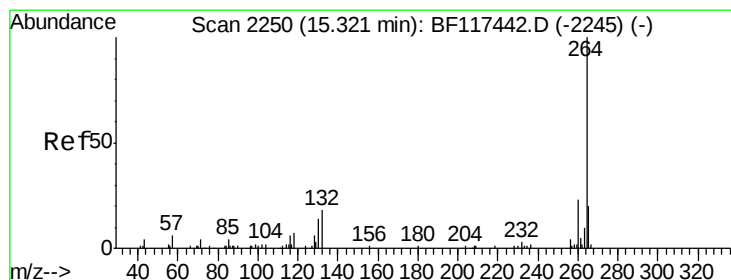
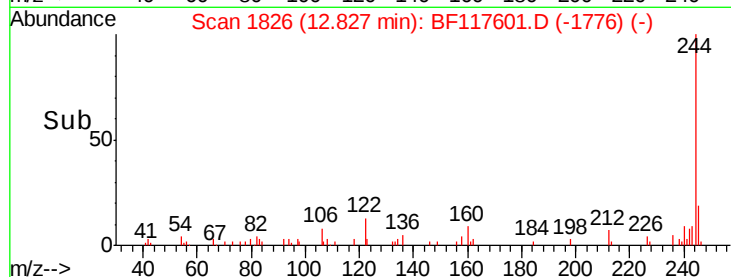
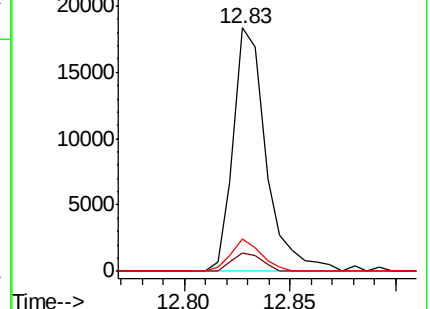
122 13.2 11.8 17.8



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# 2252

Delta R.T. 0.01 min

Lab File: BF117601.D

Acq: 29 Oct 2019 19:51

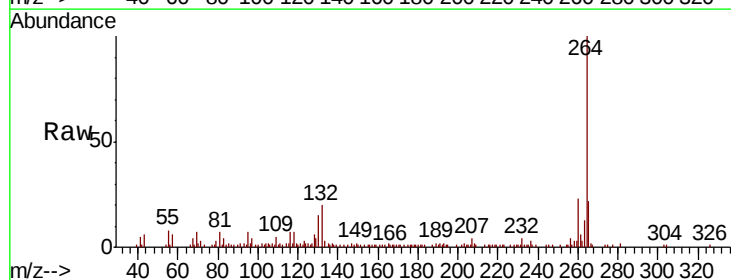
Tgt Ion:264 Resp: 58590

Ion Ratio Lower Upper

264 100

260 22.6 18.4 27.6

265 21.6 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

