

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102119\
 Data File : BF117453.D
 Acq On : 21 Oct 2019 17:56
 Operator : JU
 Sample : PB124157BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 22 01:54:08 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

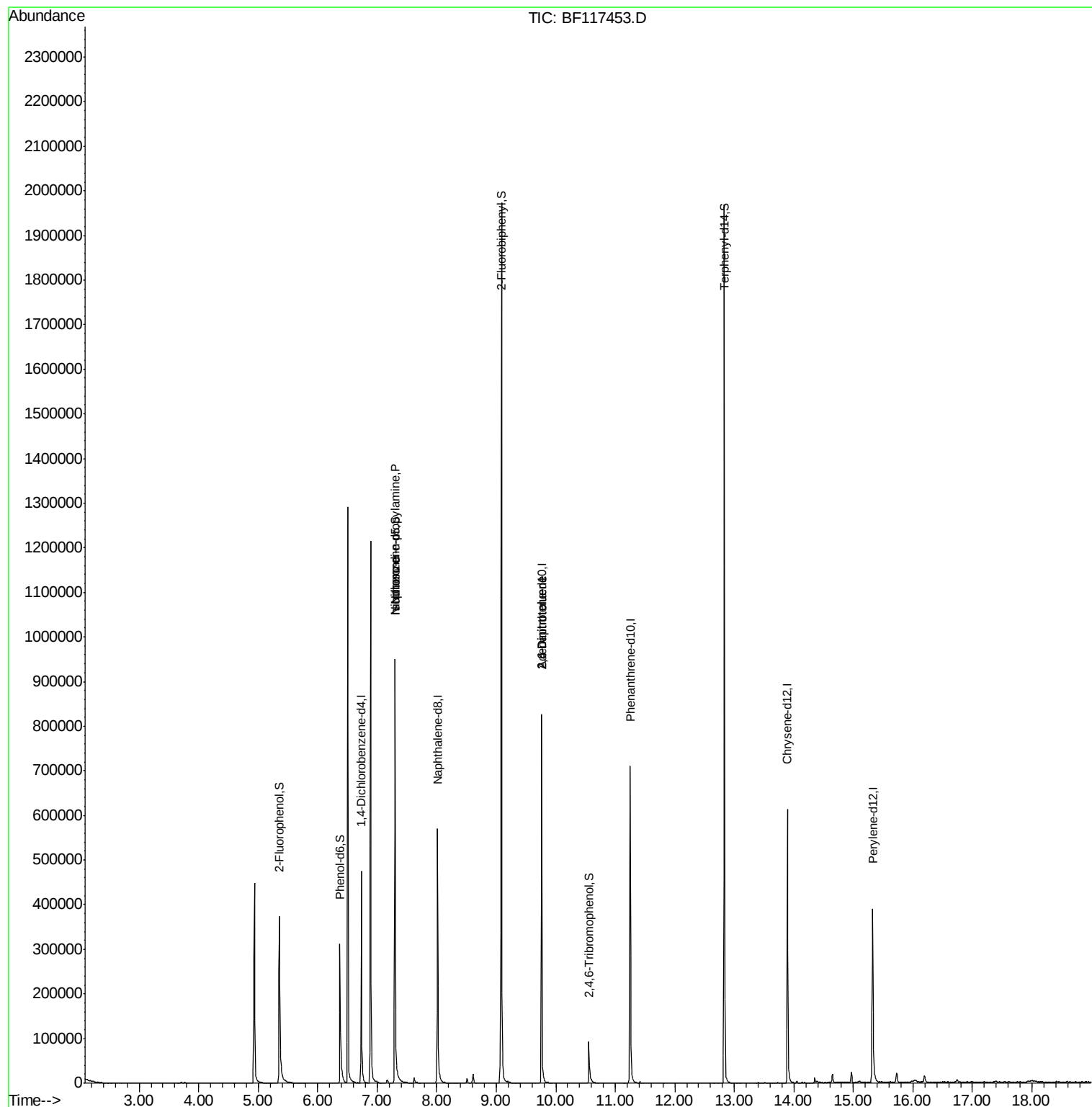
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	79828	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	327815	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	171340	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	286478	20.00	ng	0.00
76) Chrysene-d12	13.89	240	215206	20.00	ng	0.00
87) Perylene-d12	15.32	264	188779	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	147729	27.53	ng	0.00
7) Phenol-d6	6.37	99	146090	20.27	ng	0.00
23) Nitrobenzene-d5	7.30	82	390321	58.78	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	17103	11.54	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	659990	54.27	ng	0.00
79) Terphenyl-d14	12.83	244	717553	54.39	ng	0.00
Target Compounds						
9) Benzaldehyde	6.50	77	8379	Below Cal	#	77
19) n-Nitroso-di-n-propylamine	7.30	70	50380	11.446 ng	#	79
25) Isophorone	7.30	82	390319	33.979 ng	#	65
51) 2,6-Dinitrotoluene	9.76	165	23022	9.032 ng	#	23
57) 2,4-Dinitrotoluene	9.76	165	23022	6.793 ng	#	13
77) Benzidine	12.83	184	9441	Below Cal	#	90

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

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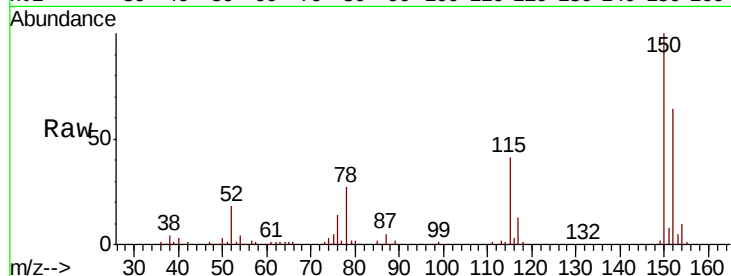


#1

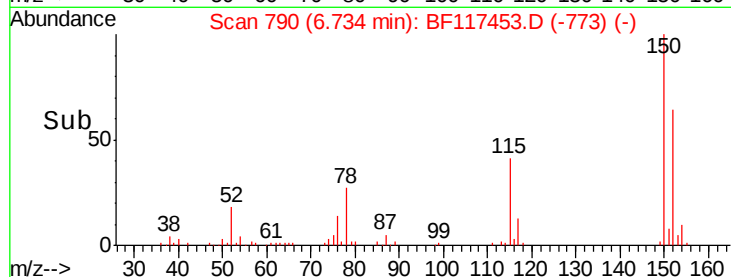
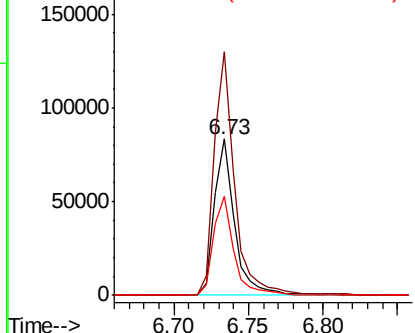
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF117453.D
Acq: 21 Oct 2019 17:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 79828
Ion Ratio Lower Upper
152 100
150 156.0 126.8 190.2
115 63.8 51.6 77.4



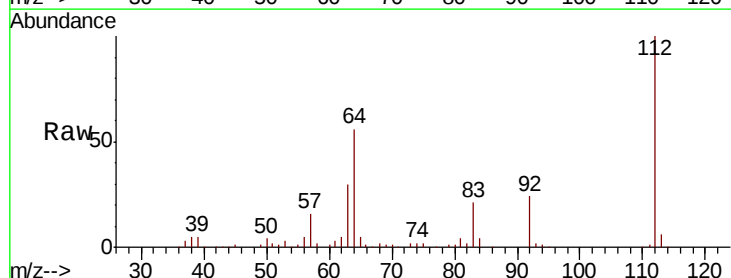
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



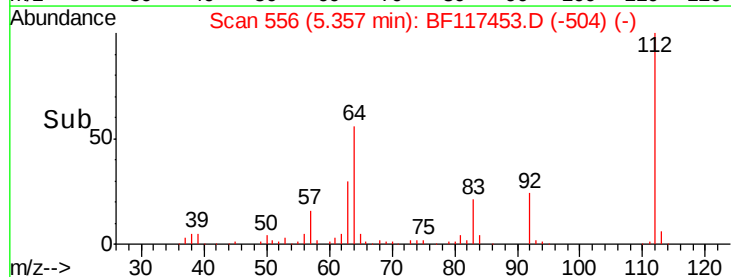
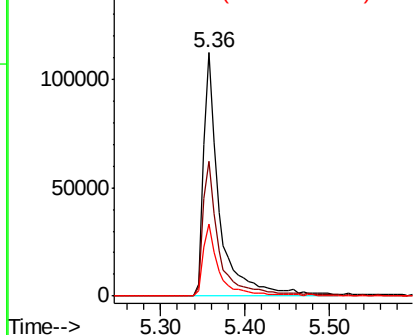
#5

2-Fluorophenol
Concen: 27.531 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117453.D
Acq: 21 Oct 2019 17:56

Tgt Ion:112 Resp: 147729
Ion Ratio Lower Upper
112 100
64 55.6 44.1 66.1
63 29.7 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: 20.271 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF117453.D

Acq: 21 Oct 2019 17:56

Instrument :

BNA_F

ClientSampleId :

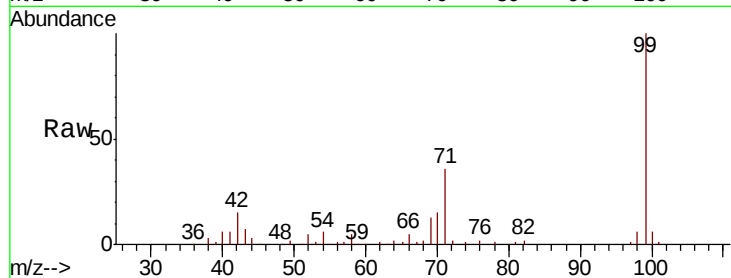
Tot Ion: 99 Resp: 146090

Ion Ratio Lower Upper

99 100

42 15.1 12.8 19.2

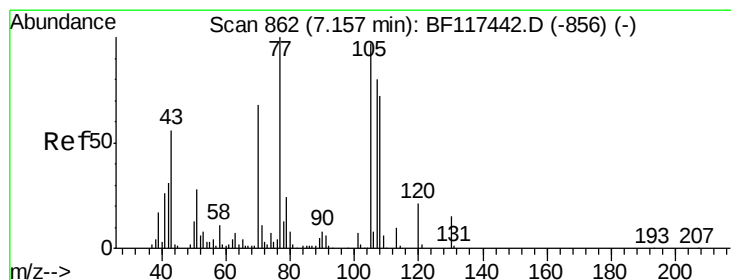
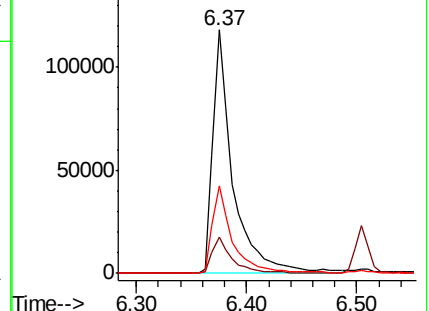
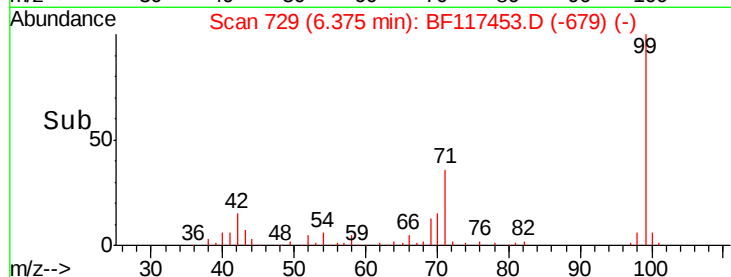
71 35.7 28.6 43.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.446 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF117453.D

Acq: 21 Oct 2019 17:56

Tgt Ion: 70 Resp: 50380

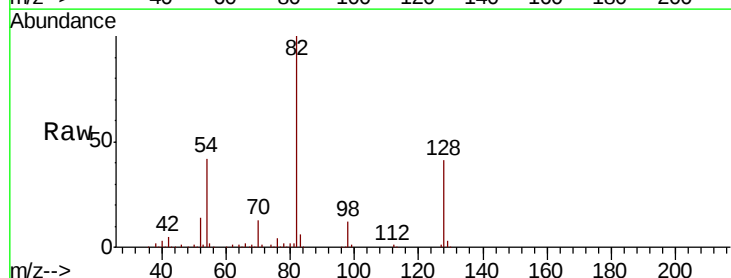
Ion Ratio Lower Upper

70 100

42 39.5 36.7 55.1

101 0.0 8.3 12.5#

130 2.4 18.1 27.1#

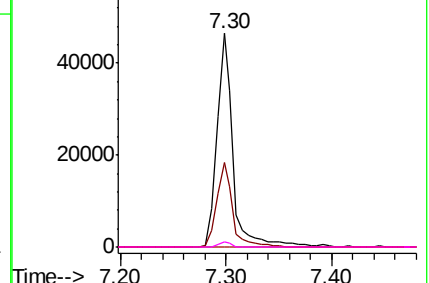
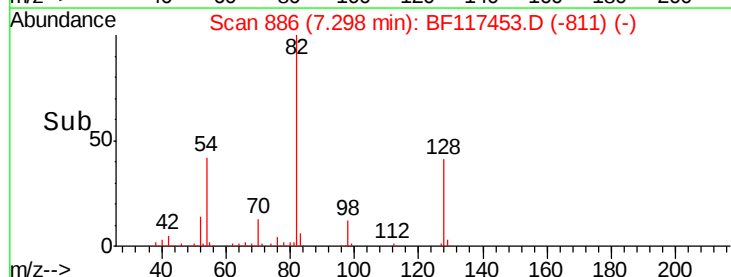


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

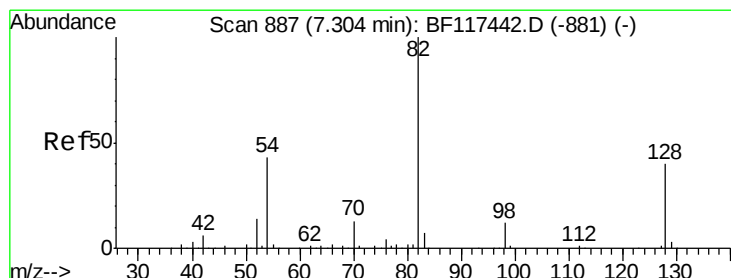
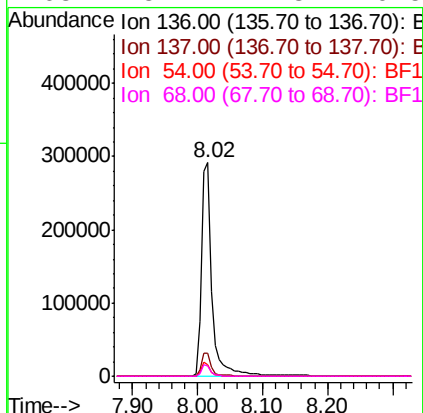
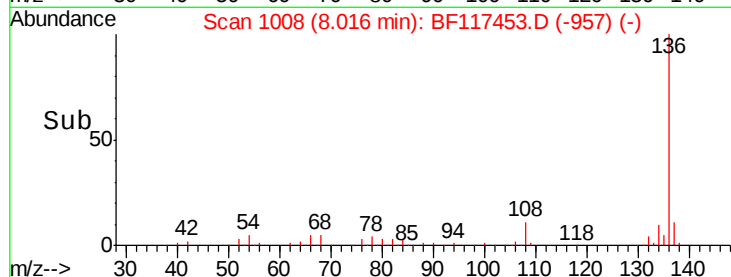
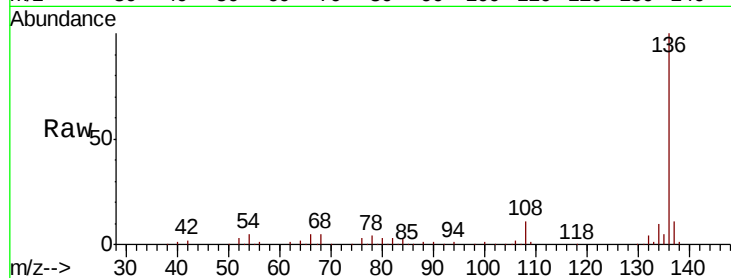




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BF117453.D
Acq: 21 Oct 2019 17:56

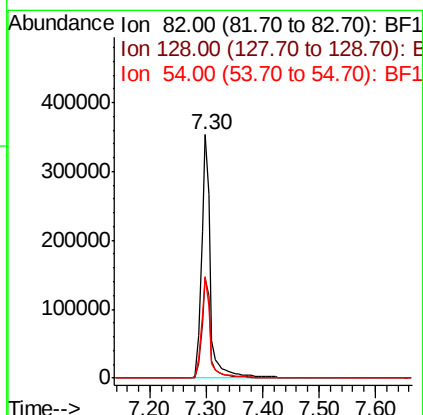
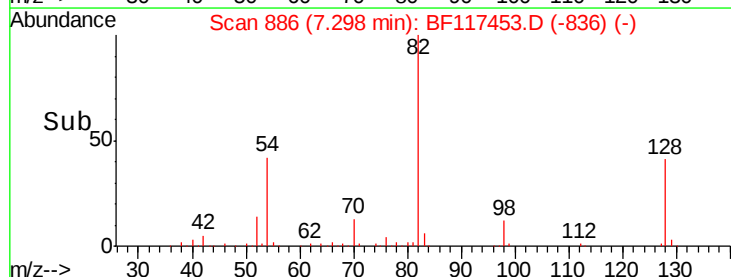
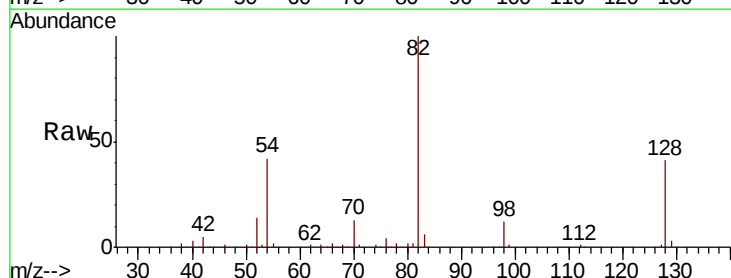
Instrument :
BNA_F
ClientSampleId :

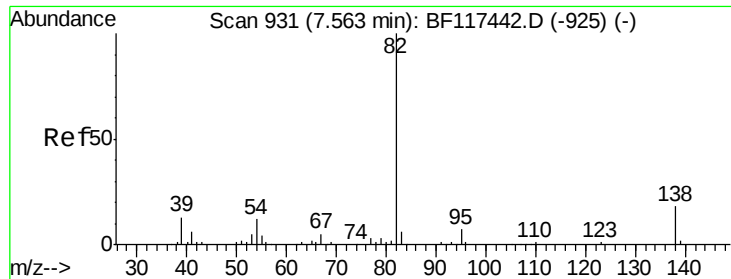
Tot Ion:	136	Resp:	327815
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.2	12.4
54	5.1	4.5	6.7
68	5.1	4.3	6.5



#23
Nitrobenzene-d5
Concen: 58.781 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117453.D
Acq: 21 Oct 2019 17:56

Tgt Ion:	82	Resp:	390321
Ion	Ratio	Lower	Upper
82	100		
128	41.2	32.2	48.2
54	41.8	34.2	51.2

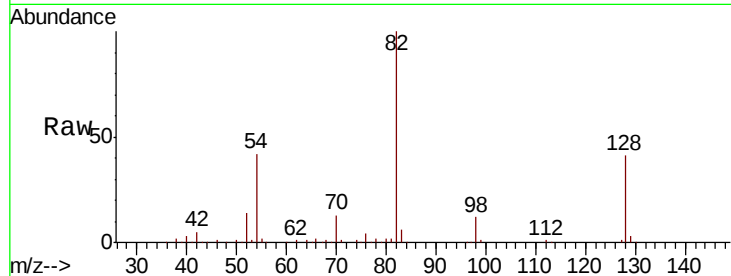




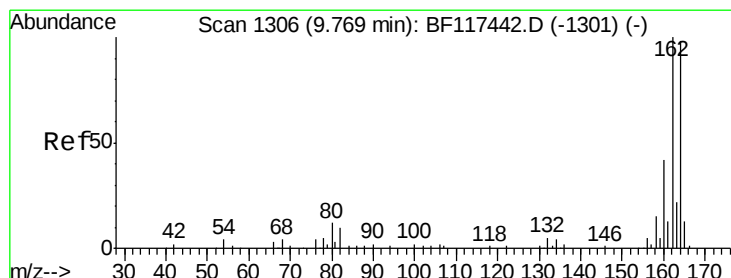
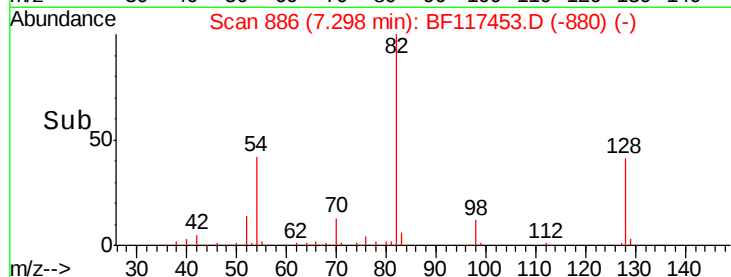
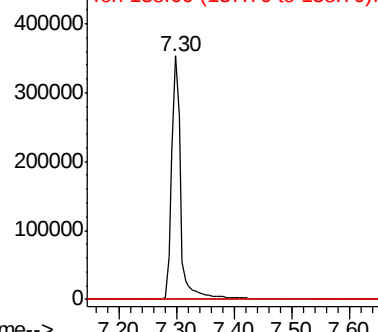
#25
Isophorone
Concen: 33.979 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.26 min
Lab File: BF117453.D
Acq: 21 Oct 2019 17:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 390319
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 14.2 21.2#

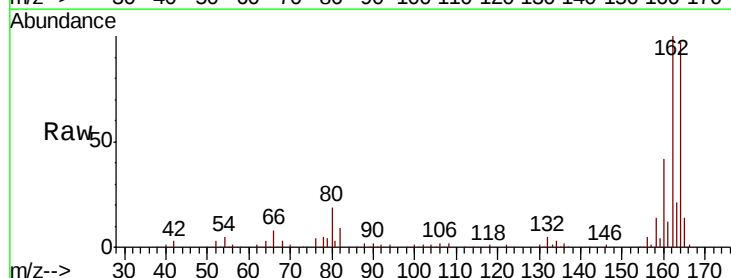


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

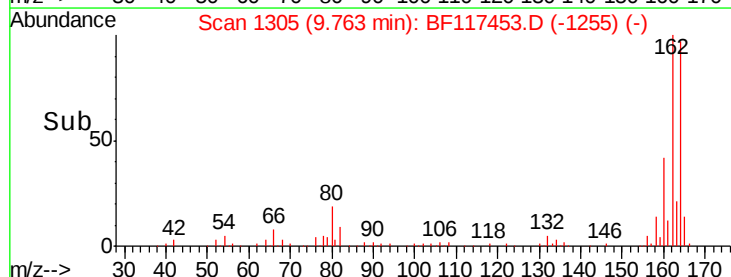
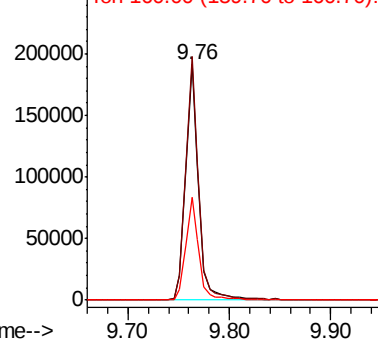


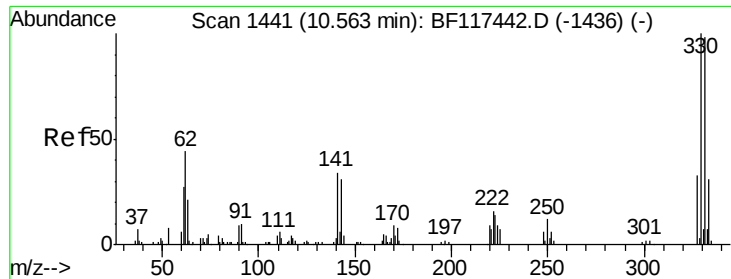
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117453.D
Acq: 21 Oct 2019 17:56

Tgt Ion: 164 Resp: 171340
Ion Ratio Lower Upper
164 100
162 103.2 81.8 122.6
160 43.8 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: 11.536 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF117453.D

Acq: 21 Oct 2019 17:56

Instrument :

BNA_F

ClientSampled :

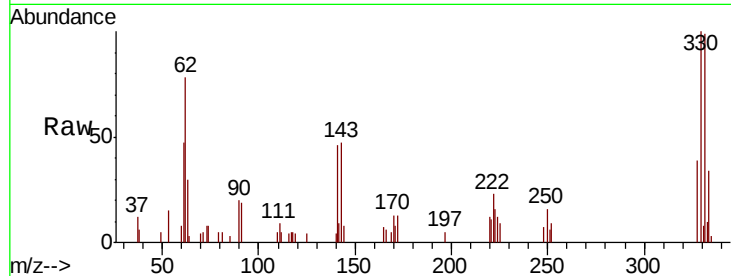
Tot Ion:330 Resp: 17103

Ion Ratio Lower Upper

330 100

332 93.9 78.5 117.7

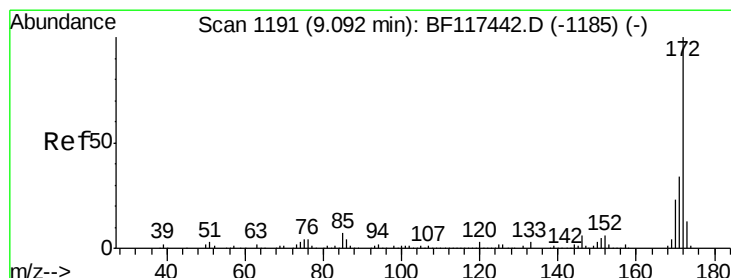
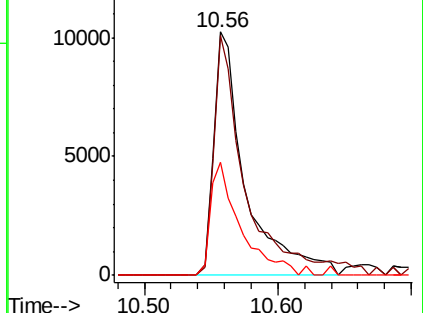
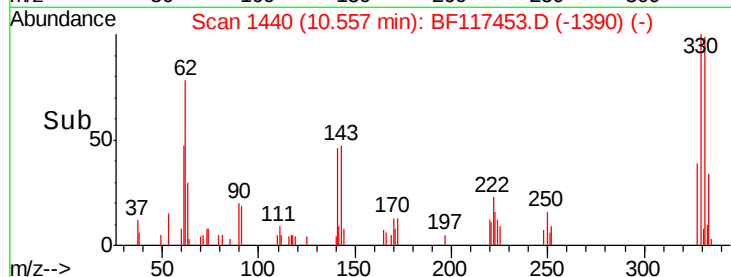
141 44.0 37.0 55.6



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: 54.273 ng

RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF117453.D

Acq: 21 Oct 2019 17:56

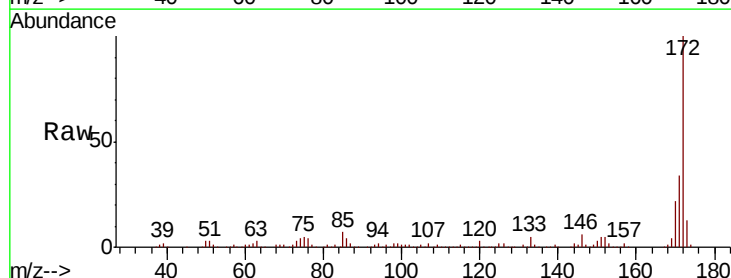
Tgt Ion:172 Resp: 659990

Ion Ratio Lower Upper

172 100

171 34.0 27.5 41.3

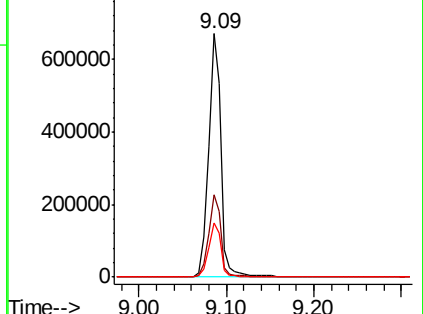
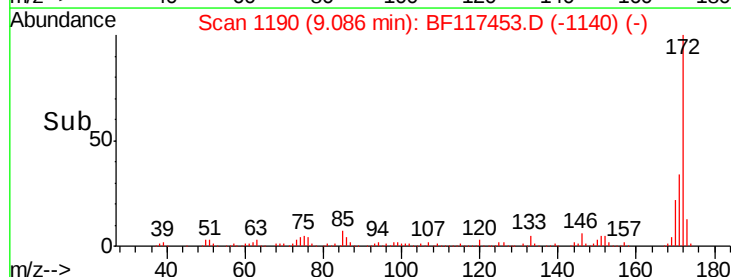
170 22.4 18.6 27.8

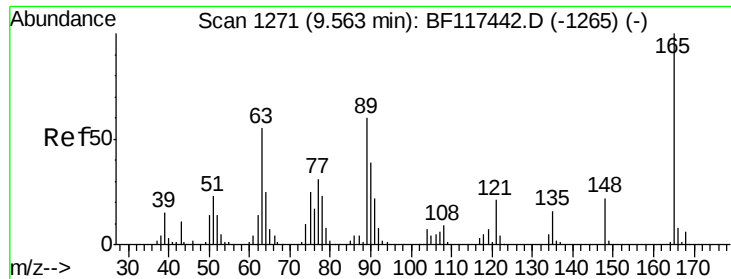


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

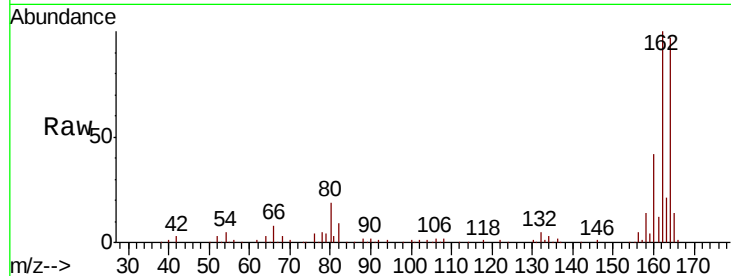




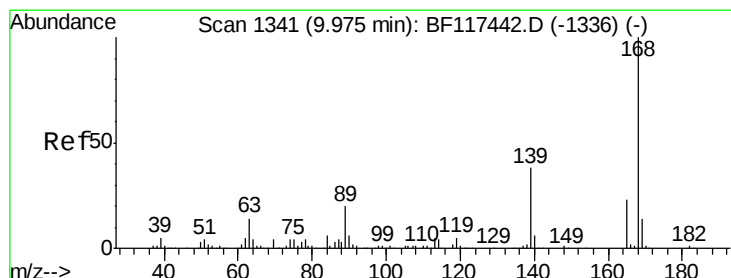
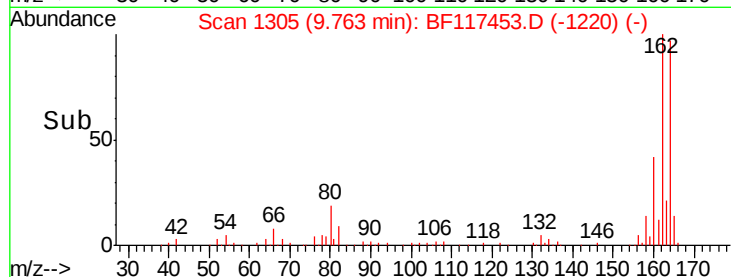
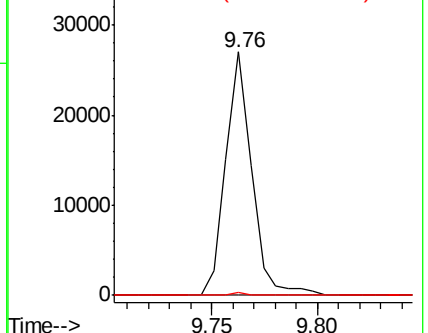
#51
 2,6-Dinitrotoluene
 Concen: 9.032 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.20 min
 Lab File: BF117453.D
 Acq: 21 Oct 2019 17:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.8	65.8#
89	1.2	47.6	71.4#

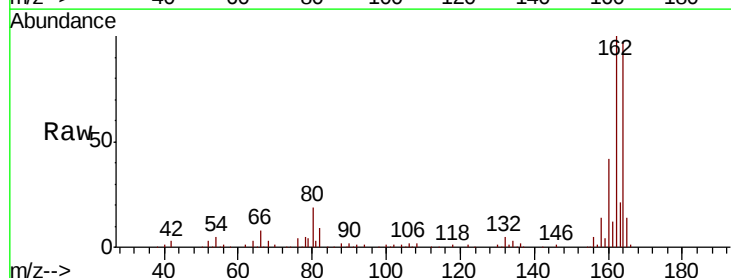


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

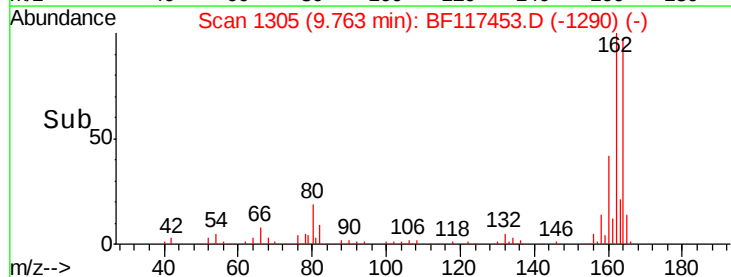
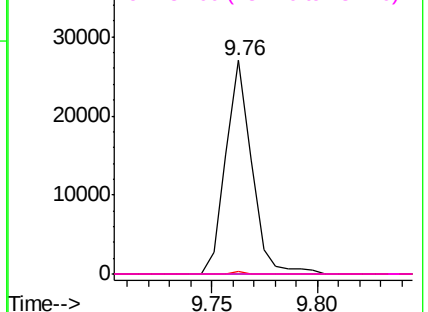


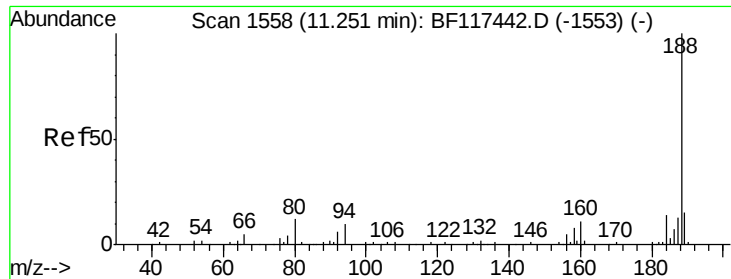
#57
 2,4-Dinitrotoluene
 Concen: 6.793 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.21 min
 Lab File: BF117453.D
 Acq: 21 Oct 2019 17:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.4	77.0#
89	1.2	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

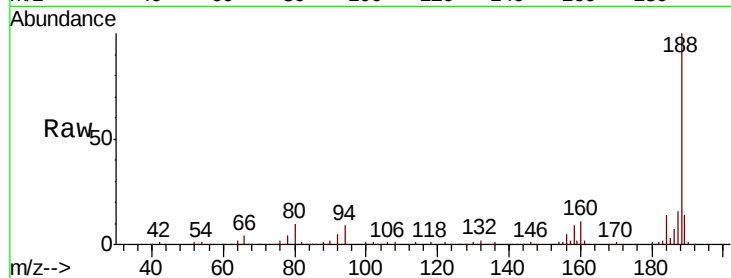




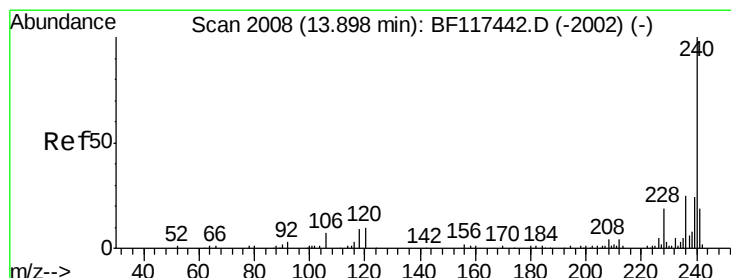
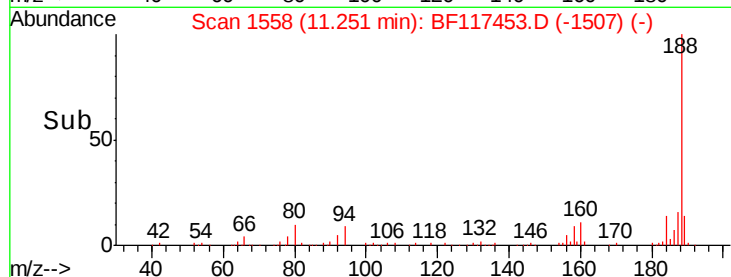
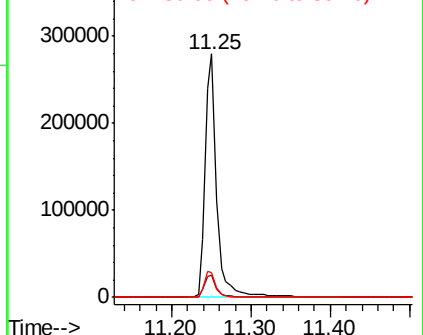
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF117453.D
Acq: 21 Oct 2019 17:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 286478
Ion Ratio Lower Upper
188 100
94 9.2 8.0 12.0
80 10.4 9.5 14.3

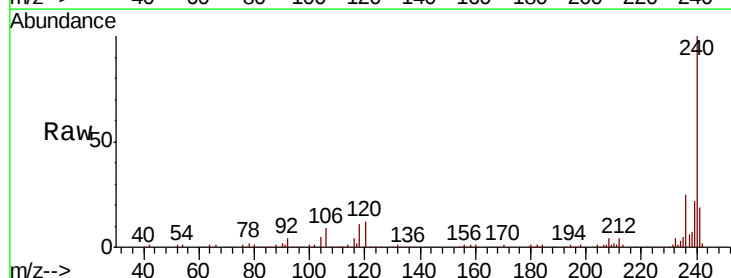


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

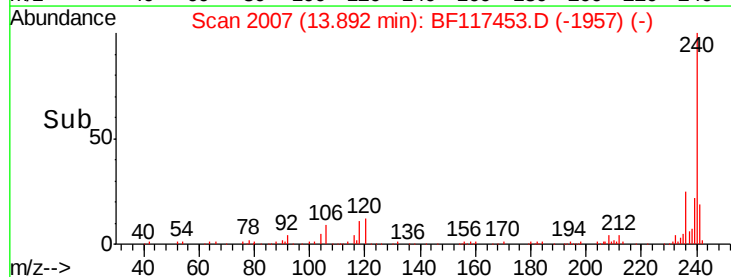
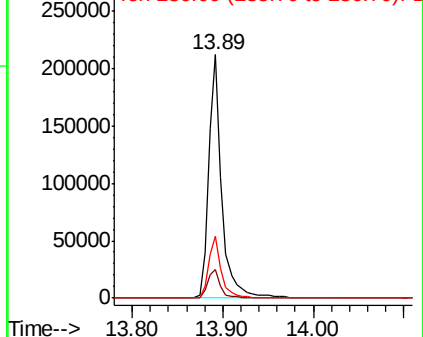


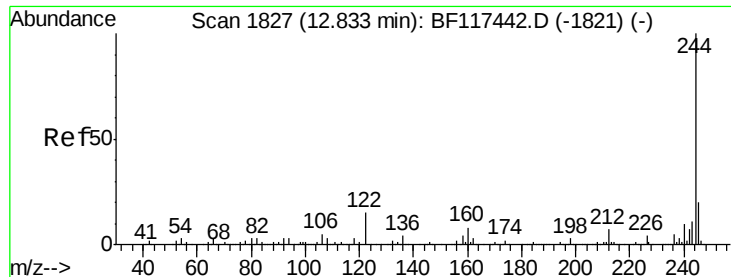
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF117453.D
Acq: 21 Oct 2019 17:56

Tgt Ion:240 Resp: 215206
Ion Ratio Lower Upper
240 100
120 11.6 8.4 12.6
236 25.4 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: 54.386 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF117453.D

Acq: 21 Oct 2019 17:56

Instrument :

BNA_F

ClientSampleId :

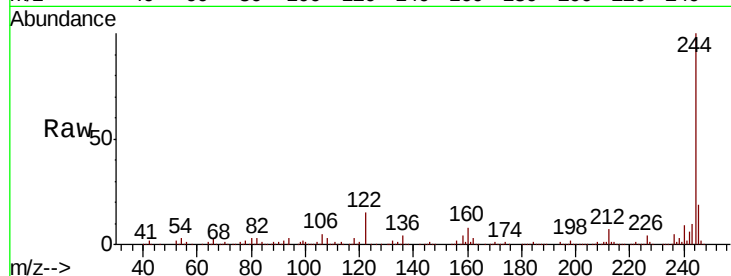
Tot Ion:244 Resp: 717553

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

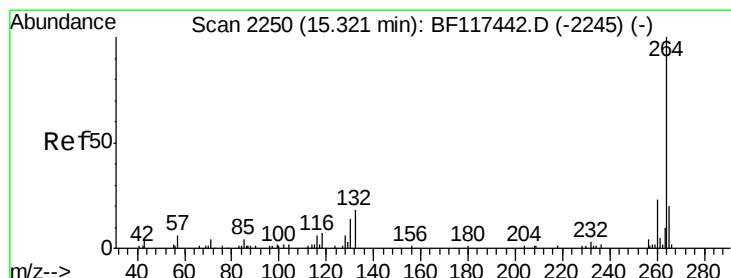
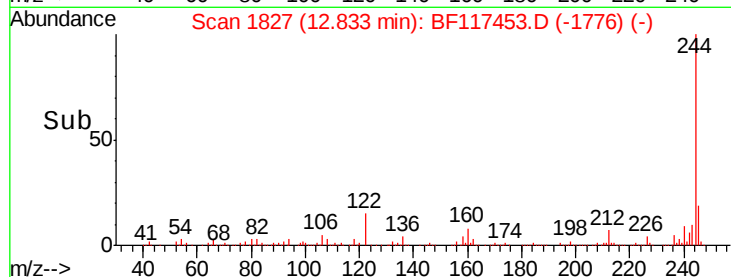
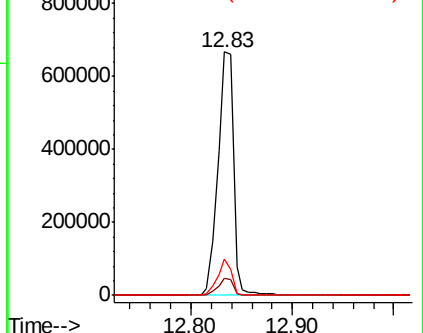
122 15.1 11.8 17.8



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: 15.32 min Scan# 2250

Delta R.T. -0.00 min

Lab File: BF117453.D

Acq: 21 Oct 2019 17:56

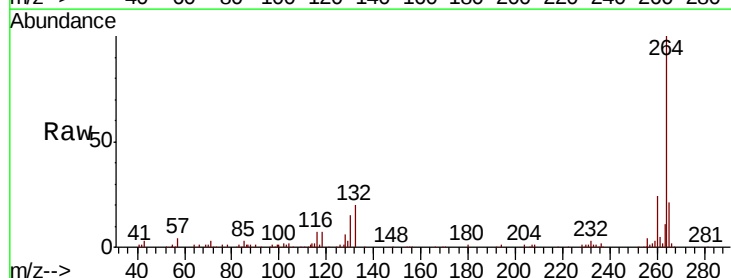
Tgt Ion:264 Resp: 188779

Ion Ratio Lower Upper

264 100

260 23.7 18.4 27.6

265 21.1 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

