

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102119\
 Data File : BF117463.D
 Acq On : 21 Oct 2019 22:28
 Operator : JU
 Sample : K5448-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 22 01:56:17 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

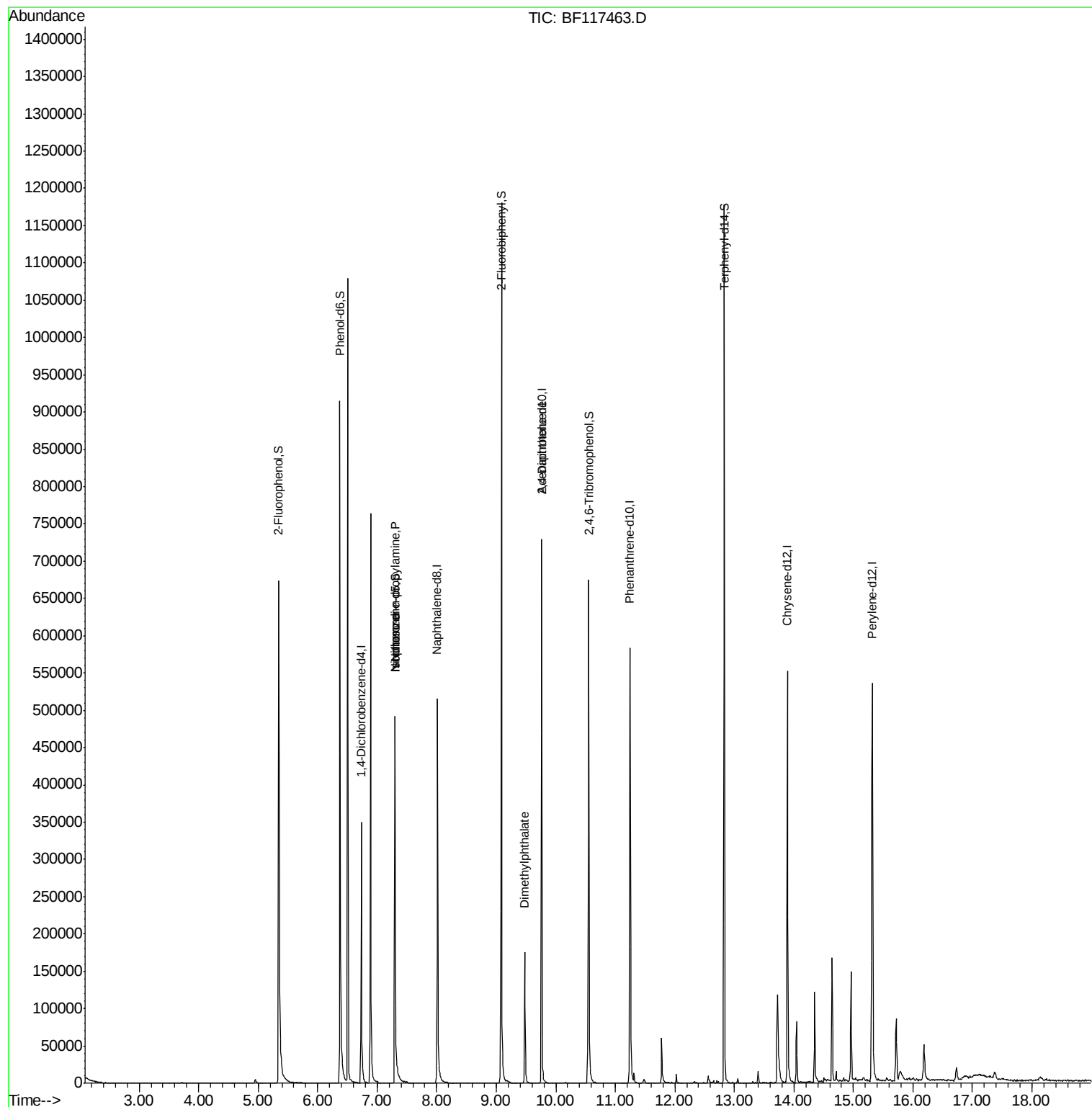
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	63043	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	267970	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	145379	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	244281	20.00	ng	0.00
76) Chrysene-d12	13.89	240	206620	20.00	ng	0.00
87) Perylene-d12	15.32	264	208444	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	247731	58.46	ng	0.00
7) Phenol-d6	6.37	99	342091	60.10	ng	0.00
23) Nitrobenzene-d5	7.30	82	208964	38.50	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	73032	58.06	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	359504	34.84	ng	0.00
79) Terphenyl-d14	12.83	244	404301	31.92	ng	0.00
Target Compounds						
9) Benzaldehyde	6.50	77	6405	Below Cal		81
19) n-Nitroso-di-n-propylamine	7.30	70	26783	7.705 ng	#	80
25) Isophorone	7.30	82	208963	22.254 ng	#	65
50) Dimethylphthalate	9.48	163	68603	6.619 ng		100
57) 2,4-Dinitrotoluene	9.76	165	17420	6.058 ng	#	14
77) Benzidine	12.83	184	5269	Below Cal	#	87

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

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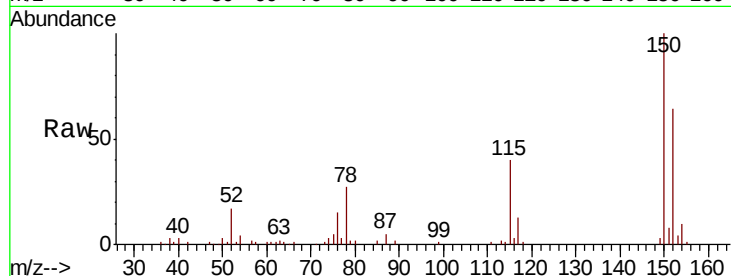


#1

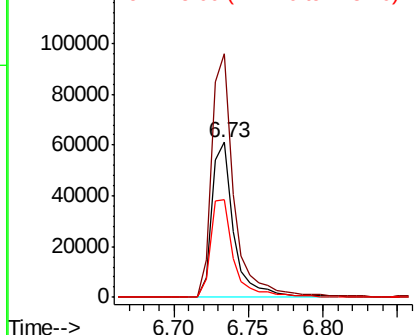
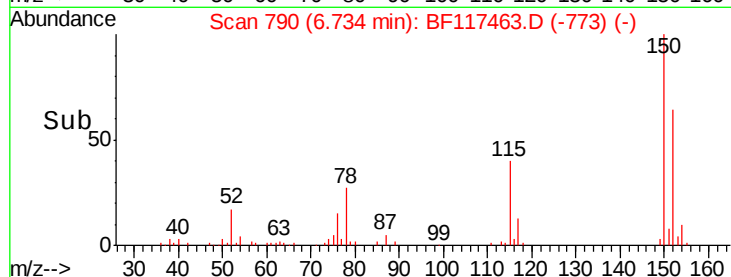
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF117463.D
Acq: 21 Oct 2019 22:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 63043
Ion Ratio Lower Upper
152 100
150 157.2 126.8 190.2
115 62.9 51.6 77.4



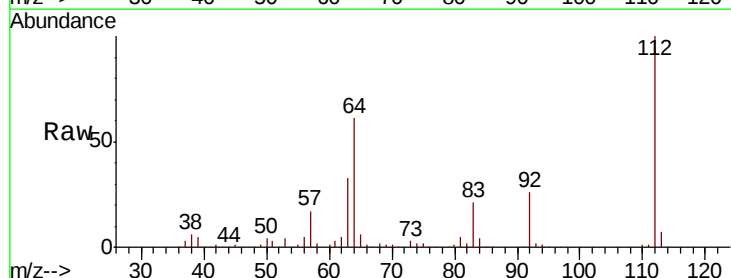
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



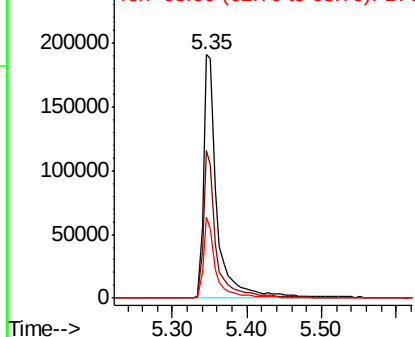
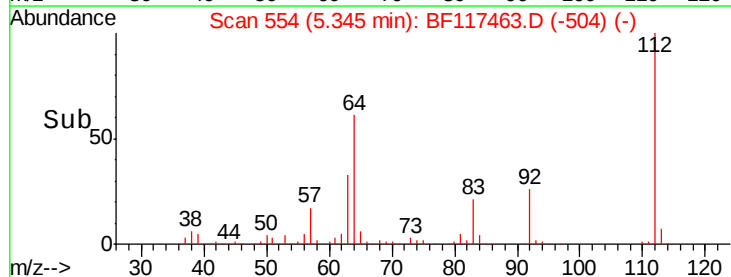
#5

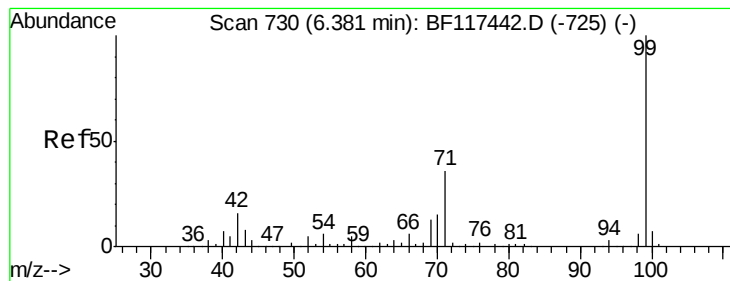
2-Fluorophenol
Concen: 58.460 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF117463.D
Acq: 21 Oct 2019 22:28

Tgt Ion:112 Resp: 247731
Ion Ratio Lower Upper
112 100
64 60.8 44.1 66.1
63 33.4 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: 60.105 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF117463.D

Acq: 21 Oct 2019 22:28

Instrument :

BNA_F

ClientSampled :

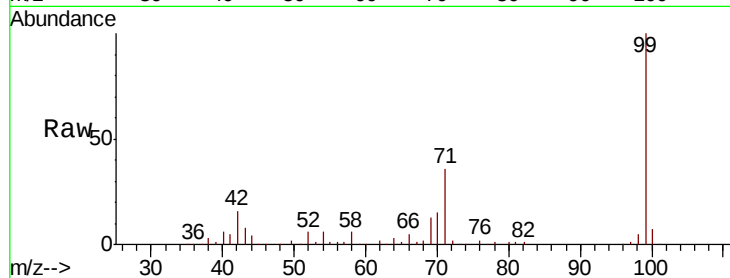
Tot Ion: 99 Resp: 342091

Ion Ratio Lower Upper

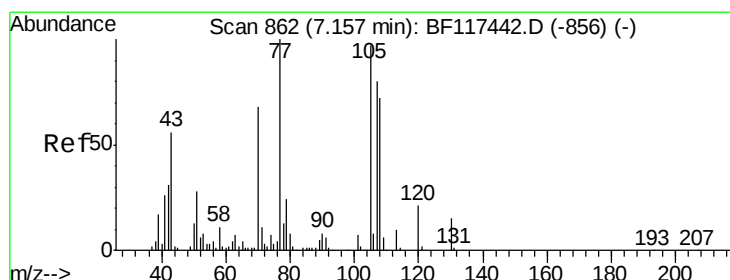
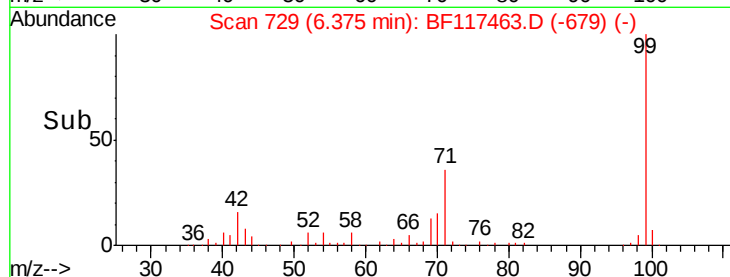
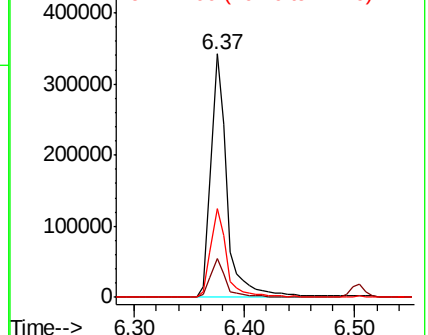
99 100

42 15.8 12.8 19.2

71 36.3 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: 7.705 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF117463.D

Acq: 21 Oct 2019 22:28

Tgt Ion: 70 Resp: 26783

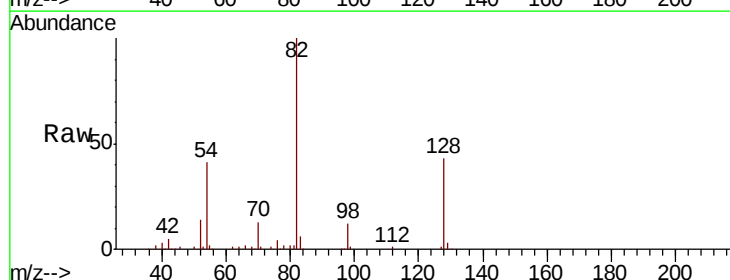
Ion Ratio Lower Upper

70 100

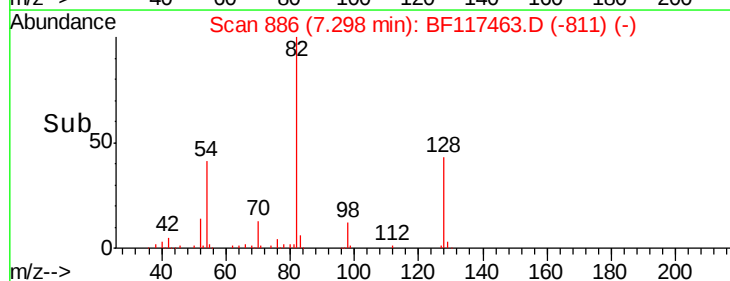
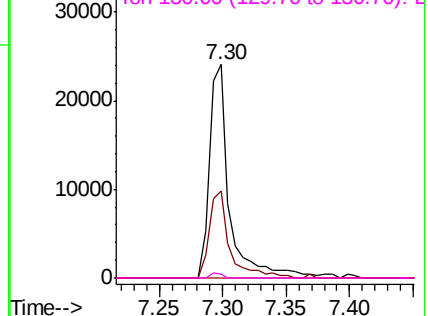
42 40.9 36.7 55.1

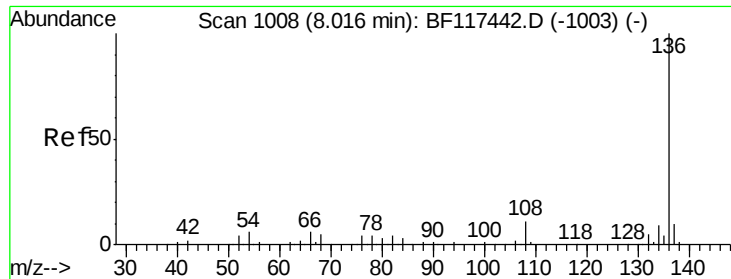
101 0.0 8.3 12.5#

130 2.1 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

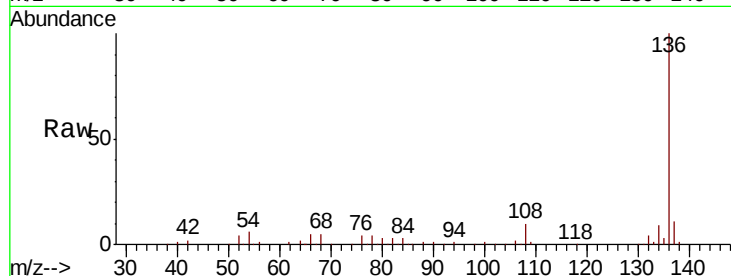




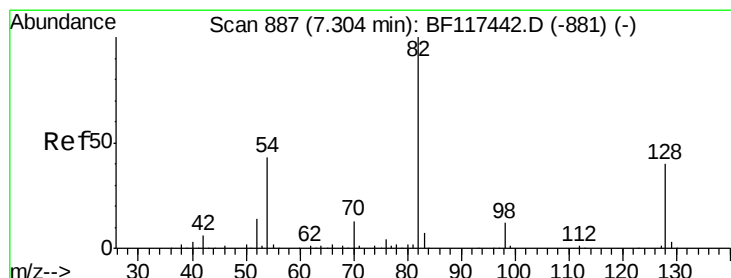
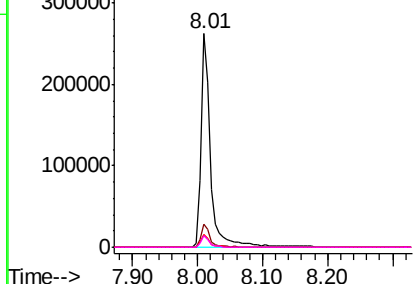
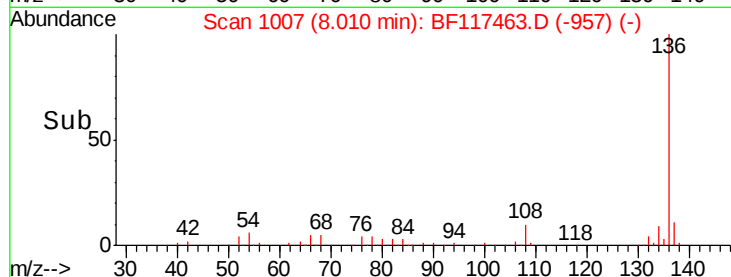
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117463.D
Acq: 21 Oct 2019 22:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	267970
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.2	12.4
54	5.9	4.5	6.7
68	5.2	4.3	6.5

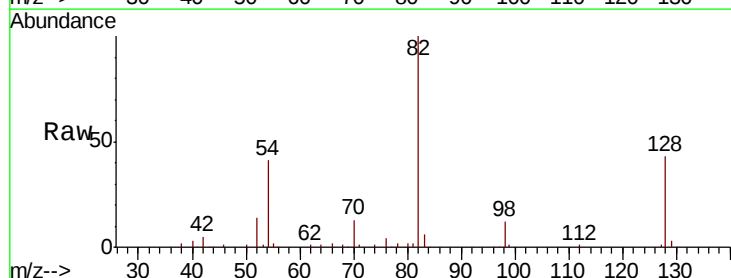


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

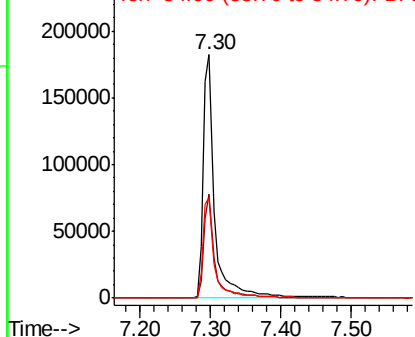
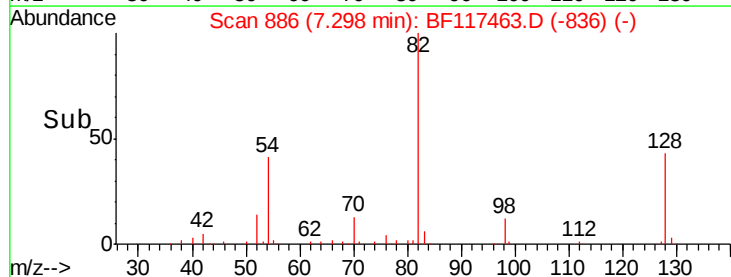


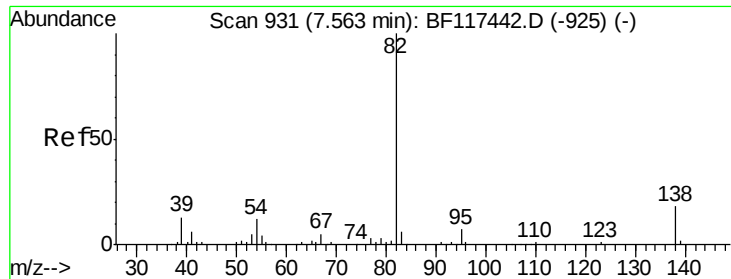
#23
Nitrobenzene-d5
Concen: 38.497 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117463.D
Acq: 21 Oct 2019 22:28

Tgt Ion:	82	Resp:	208964
Ion	Ratio	Lower	Upper
82	100		
128	42.8	32.2	48.2
54	41.3	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

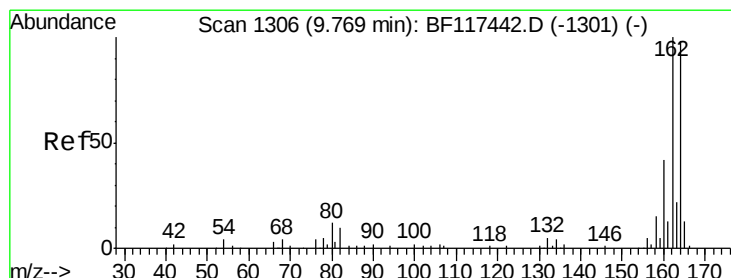
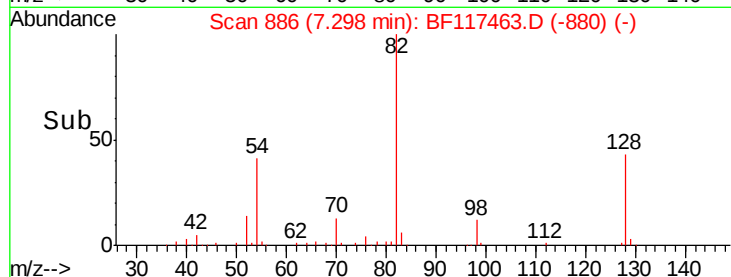
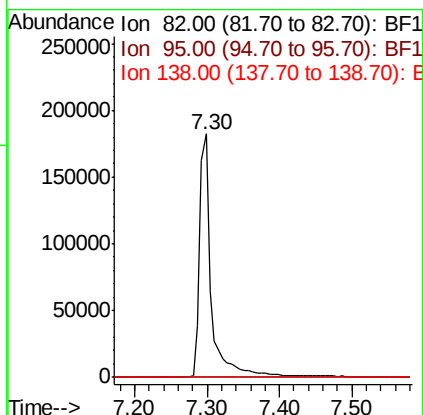
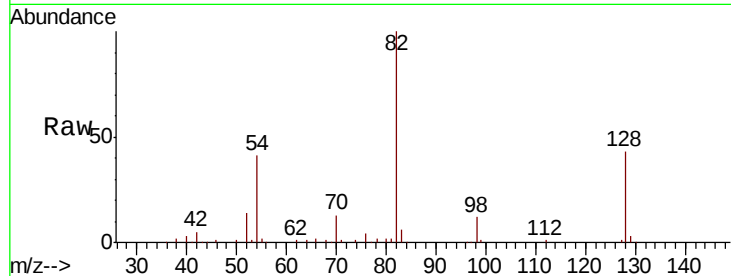




#25
Isophorone
Concen: 22.254 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.26 min
Lab File: BF117463.D
Acq: 21 Oct 2019 22:28

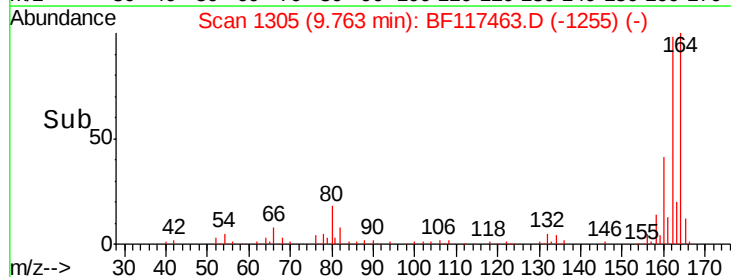
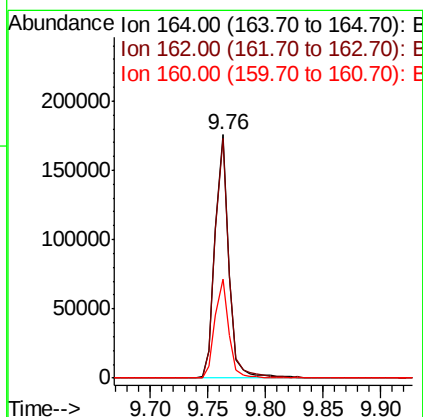
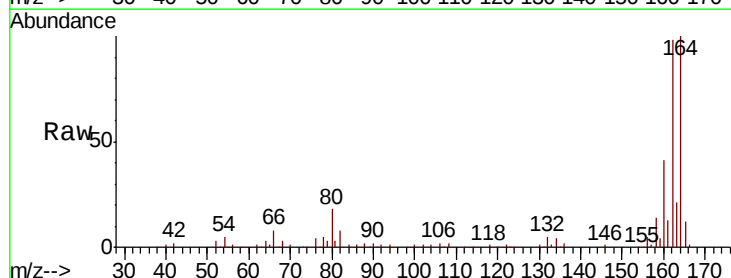
Instrument :
BNA_F
ClientSampled :

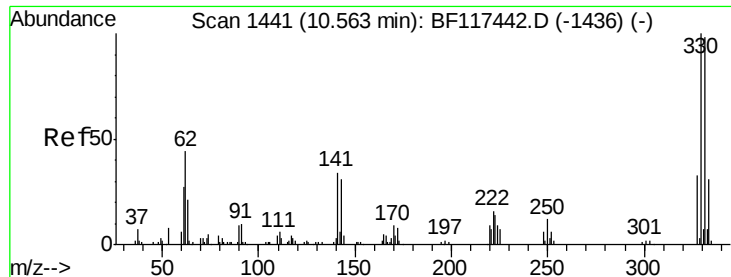
Tot Ion: 82 Resp: 208963
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117463.D
Acq: 21 Oct 2019 22:28

Tgt Ion:164 Resp: 145379
Ion Ratio Lower Upper
164 100
162 98.4 81.8 122.6
160 40.7 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 58.059 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BF117463.D

Acq: 21 Oct 2019 22:28

Instrument :

BNA_F

ClientSampled :

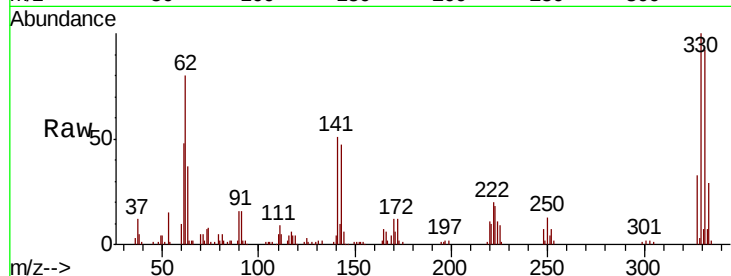
Tot Ion:330 Resp: 73032

Ion Ratio Lower Upper

330 100

332 93.2 78.5 117.7

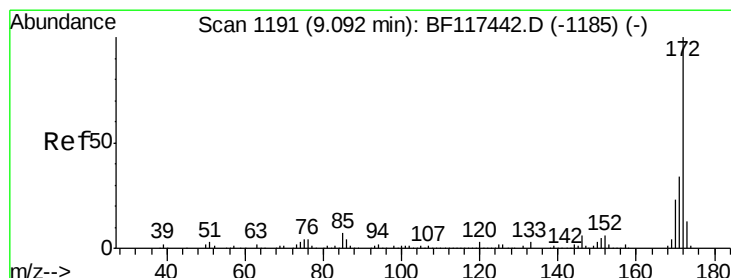
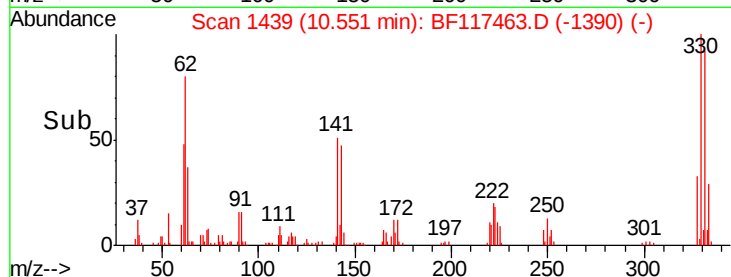
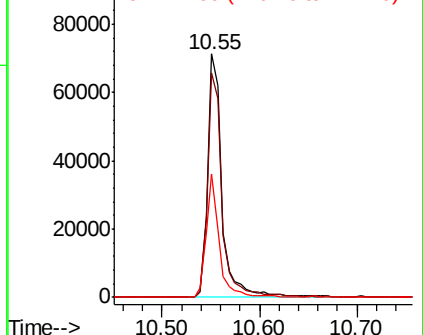
141 45.2 37.0 55.6



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: 34.843 ng

RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF117463.D

Acq: 21 Oct 2019 22:28

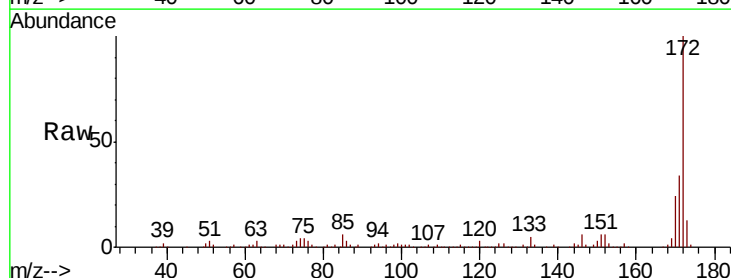
Tgt Ion:172 Resp: 359504

Ion Ratio Lower Upper

172 100

171 34.2 27.5 41.3

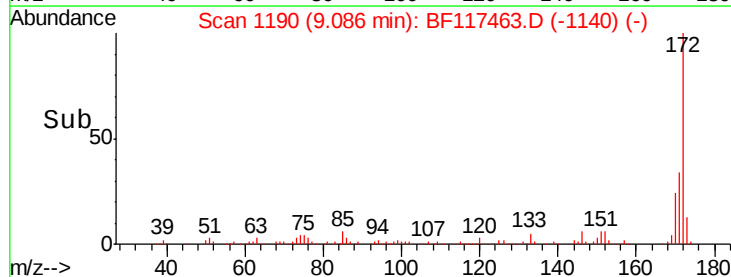
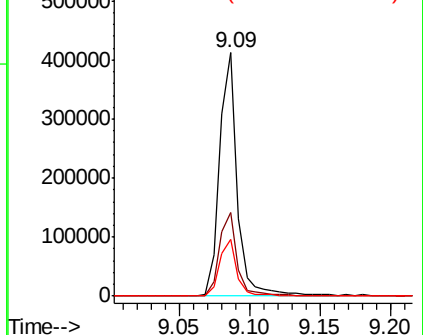
170 23.6 18.6 27.8

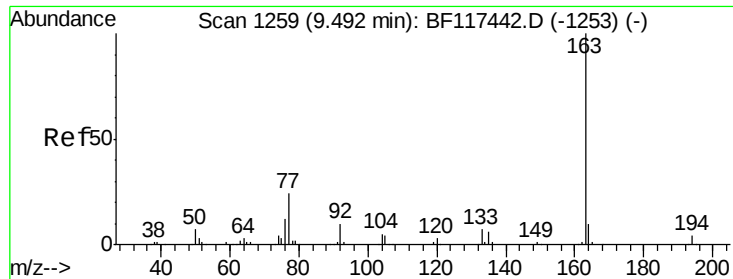


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

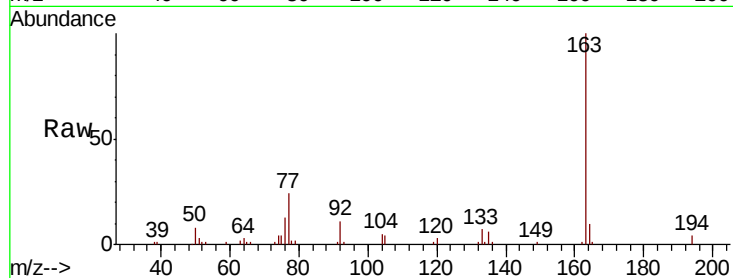




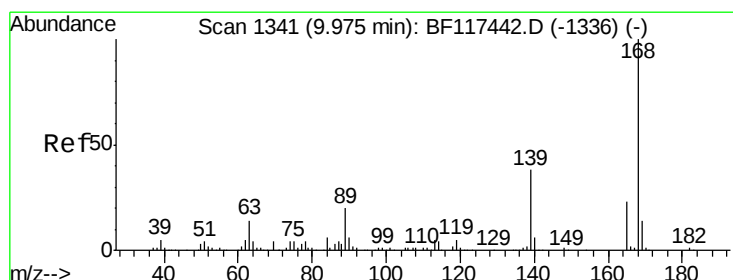
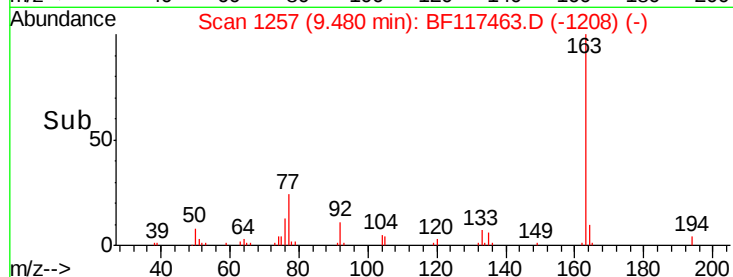
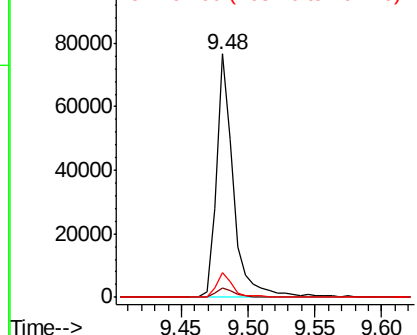
#50
Dimethylphthalate
Concen: 6.619 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117463.D
Acq: 21 Oct 2019 22:28

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 68603
Ion Ratio Lower Upper
163 100
194 4.0 2.9 4.3
164 10.2 8.2 12.2

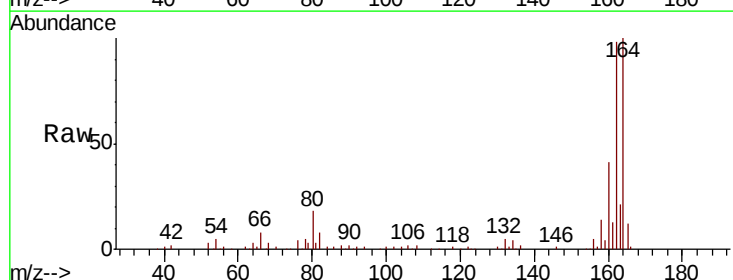


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

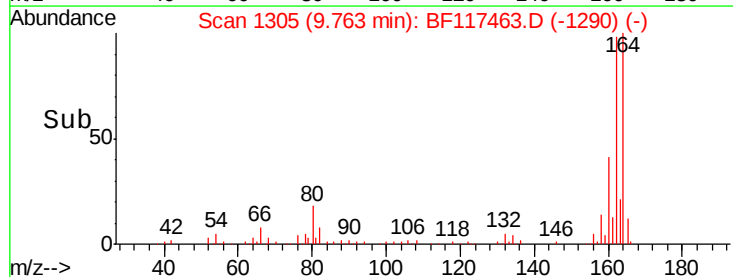
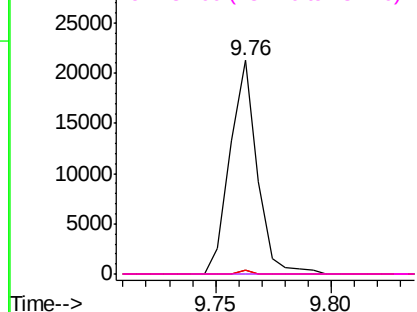


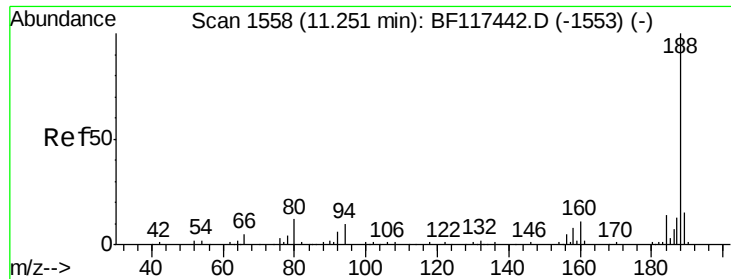
#57
2,4-Dinitrotoluene
Concen: 6.058 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.21 min
Lab File: BF117463.D
Acq: 21 Oct 2019 22:28

Tgt Ion:165 Resp: 17420
Ion Ratio Lower Upper
165 100
63 1.6 51.4 77.0#
89 2.0 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

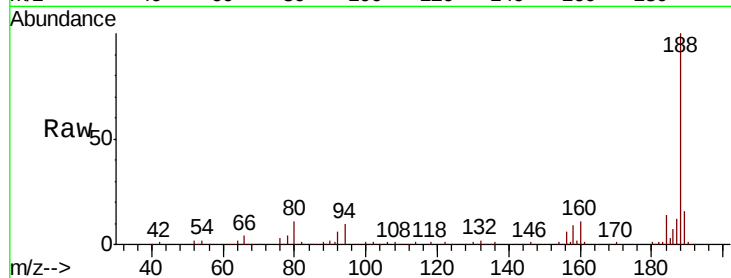




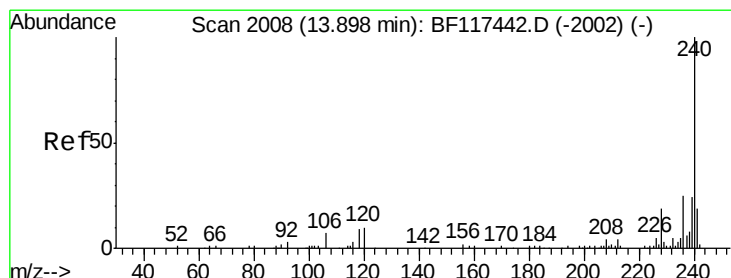
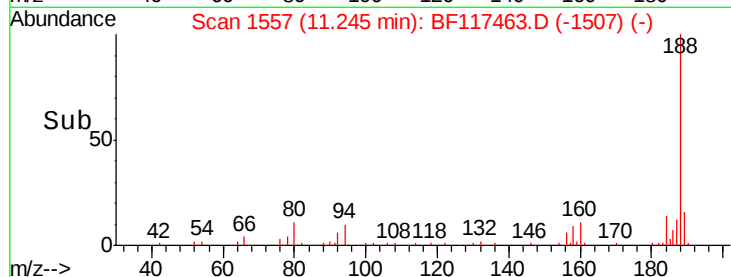
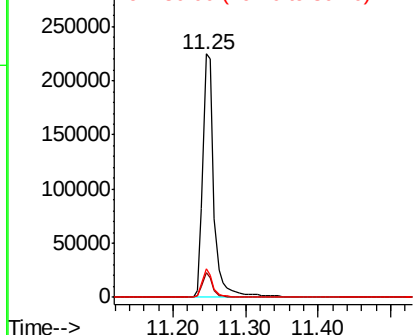
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF117463.D
Acq: 21 Oct 2019 22:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 244281
Ion Ratio Lower Upper
188 100
94 10.3 8.0 12.0
80 11.5 9.5 14.3

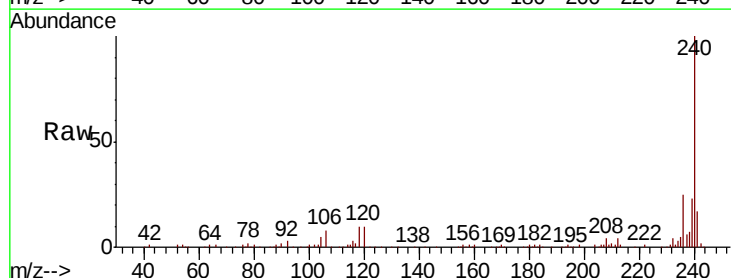


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

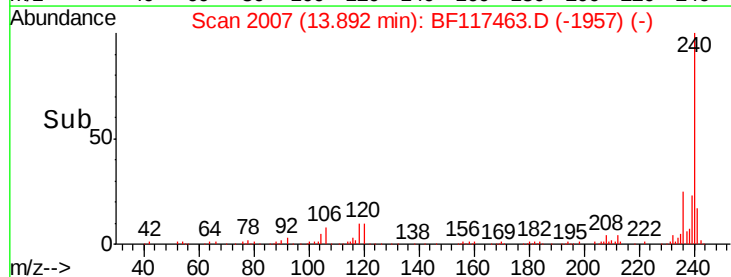
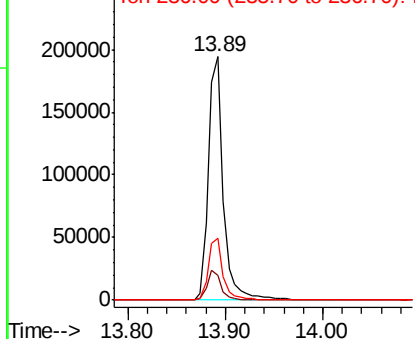


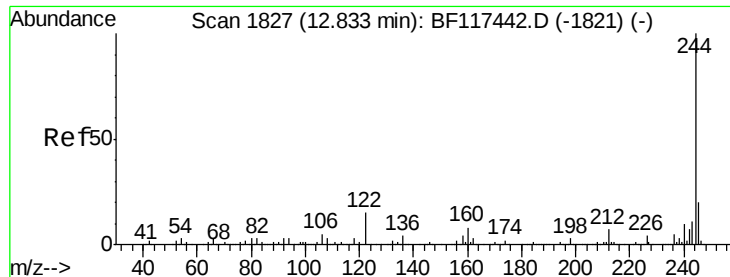
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF117463.D
Acq: 21 Oct 2019 22:28

Tgt Ion:240 Resp: 206620
Ion Ratio Lower Upper
240 100
120 10.1 8.4 12.6
236 25.2 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: 31.917 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF117463.D

Acq: 21 Oct 2019 22:28

Instrument :

BNA_F

ClientSampled :

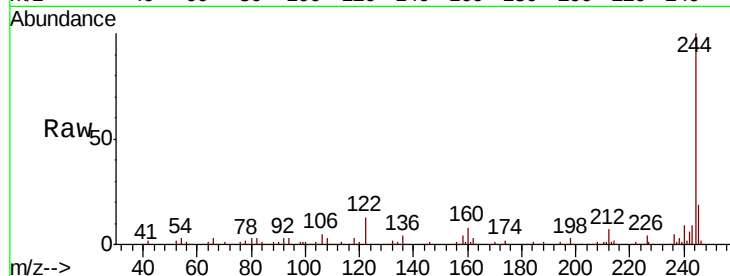
Tot Ion:244 Resp: 404301

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

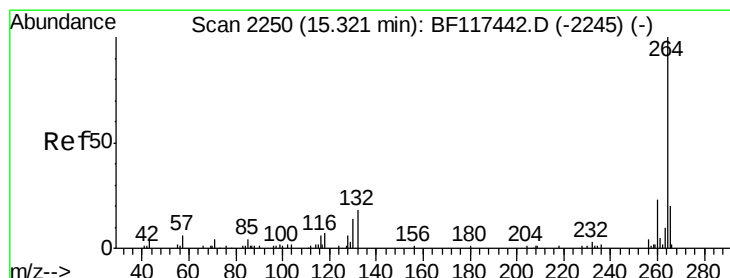
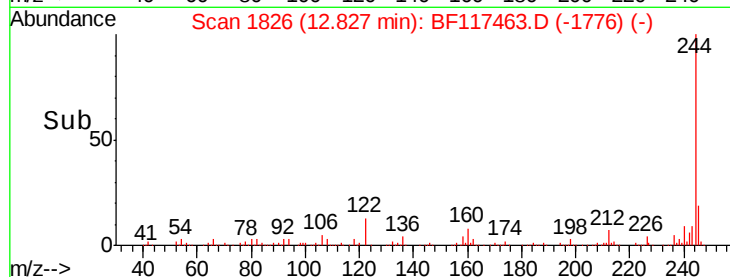
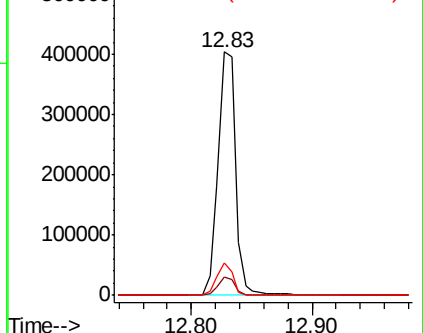
122 13.4 11.8 17.8



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# 2249

Delta R.T. -0.01 min

Lab File: BF117463.D

Acq: 21 Oct 2019 22:28

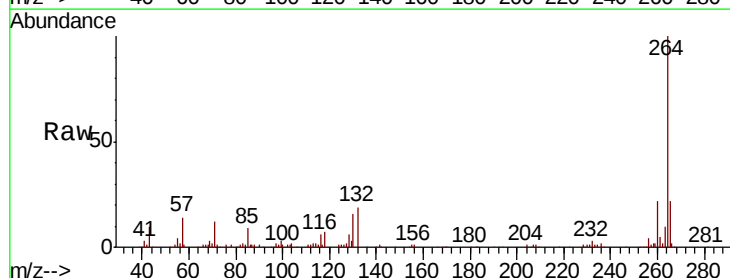
Tgt Ion:264 Resp: 208444

Ion Ratio Lower Upper

264 100

260 22.0 18.4 27.6

265 22.0 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

