

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102119\
 Data File : BF117471.D
 Acq On : 22 Oct 2019 2:02
 Operator : JU
 Sample : K5447-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 22 03:18:50 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	42773	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	169708	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	84905	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	125286	20.00	ng	0.00
76) Chrysene-d12	13.89	240	80477	20.00	ng	0.00
87) Perylene-d12	15.32	264	81508	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	305357	106.21	ng	0.01
7) Phenol-d6	6.38	99	405251	104.94	ng	0.00
23) Nitrobenzene-d5	7.30	82	252005	73.31	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	78250	106.51	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	453257	75.22	ng	0.00
79) Terphenyl-d14	12.83	244	353633	71.67	ng	0.00

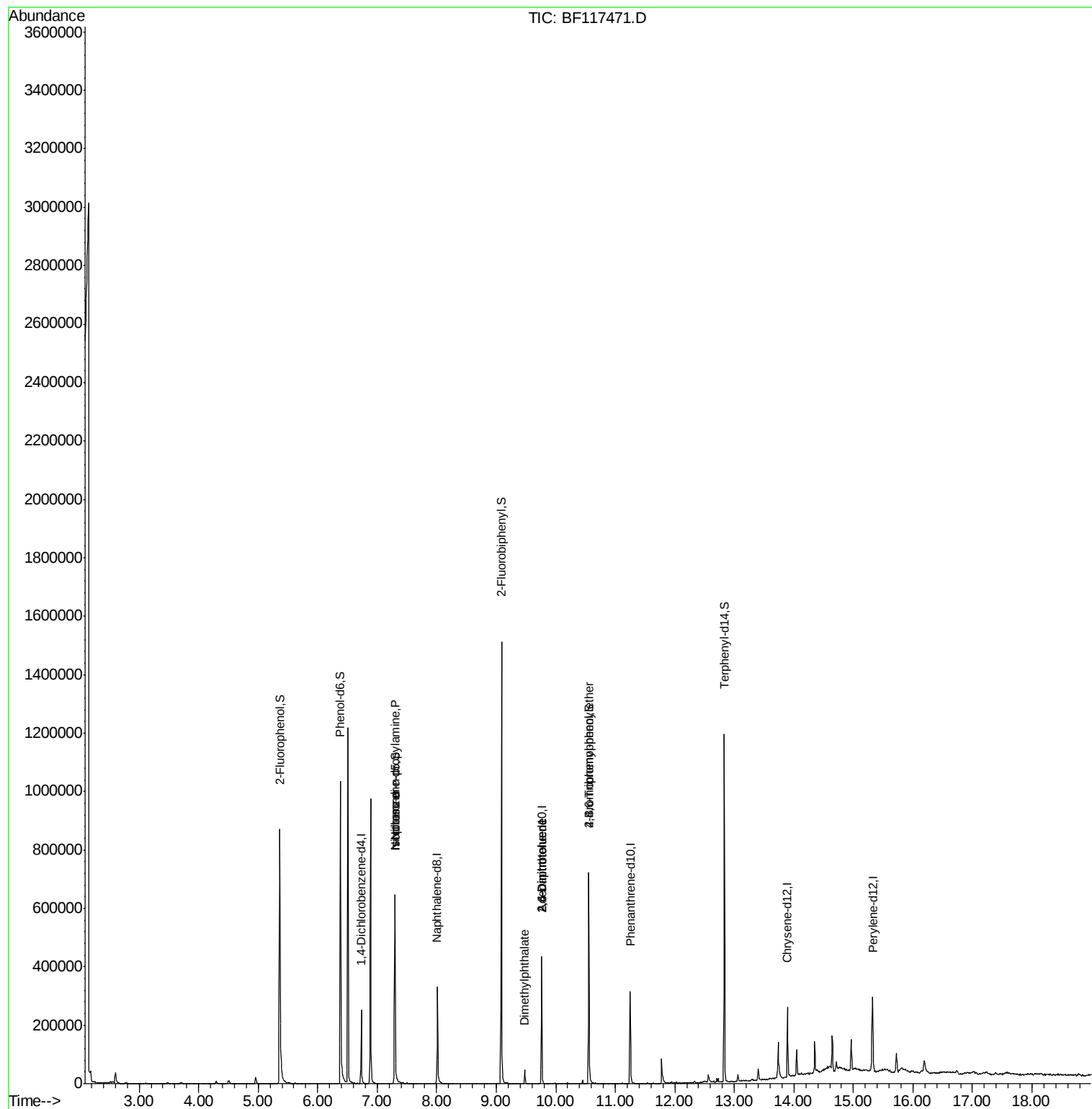
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.38	77	509	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	7.30	70	34012	14.422	ng	# 76
25) Isophorone	7.30	82	252001	42.376	ng	# 65
50) Dimethylphthalate	9.48	163	19679	3.251	ng	# 95
51) 2,6-Dinitrotoluene	9.76	165	10406	8.239	ng	# 22
57) 2,4-Dinitrotoluene	9.76	165	10406	6.197	ng	# 12
67) 4-Bromophenyl-phenylether	10.56	248	4999	3.704	ng	# 1
77) Benzidine	12.83	184	5037	Below Cal	#	91

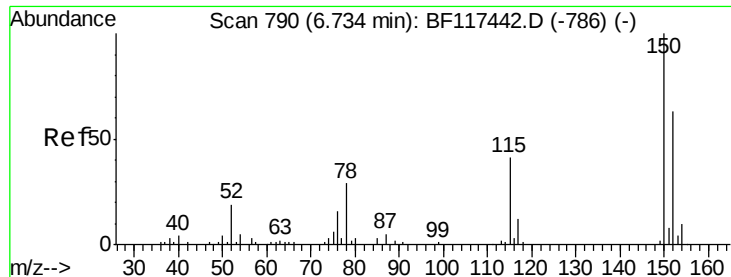
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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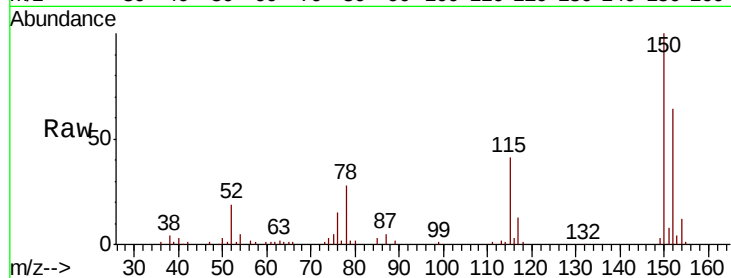


#1

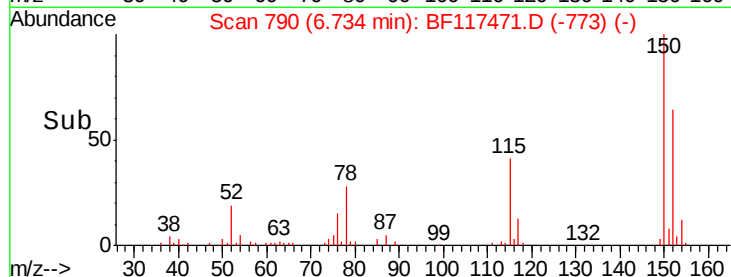
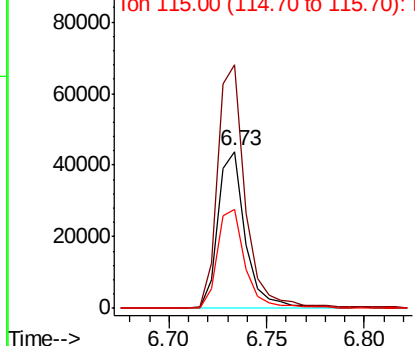
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF117471.D
Acq: 22 Oct 2019 2:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 42773
Ion Ratio Lower Upper
152 100
150 155.3 126.8 190.2
115 63.1 51.6 77.4



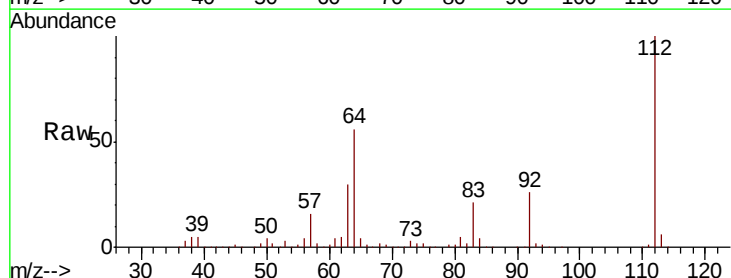
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



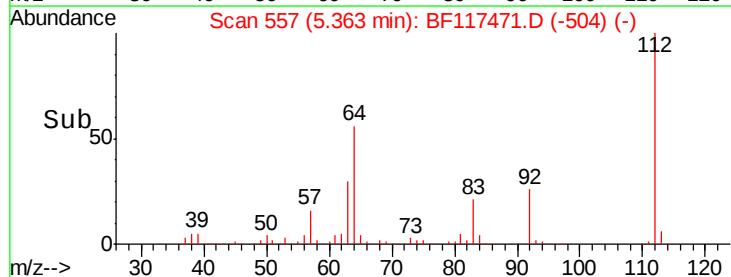
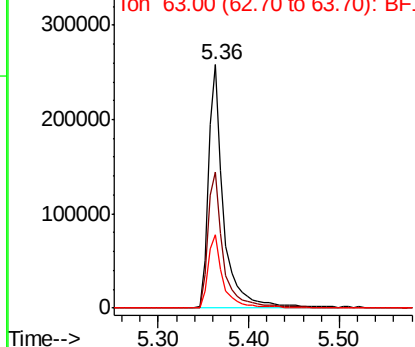
#5

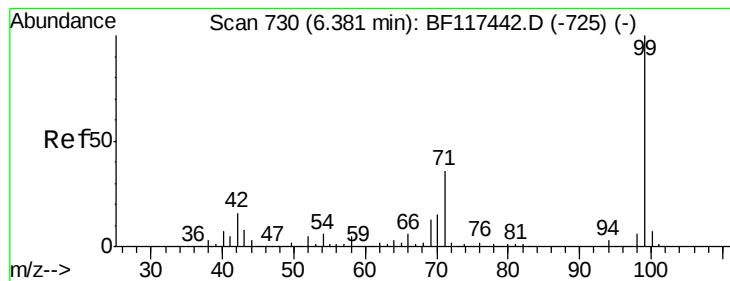
2-Fluorophenol
Concen: 106.207 ng
RT: 5.36 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF117471.D
Acq: 22 Oct 2019 2:02

Tgt Ion:112 Resp: 305357
Ion Ratio Lower Upper
112 100
64 56.1 44.1 66.1
63 30.2 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: 104.944 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117471.D

Acq: 22 Oct 2019 2:02

Instrument :

BNA_F

ClientSampleId :

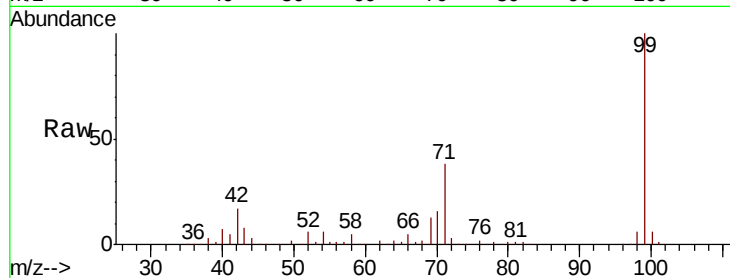
Tot Ion: 99 Resp: 405251

Ion Ratio Lower Upper

99 100

42 16.8 12.8 19.2

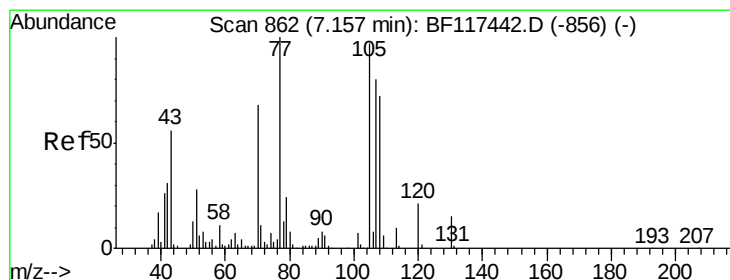
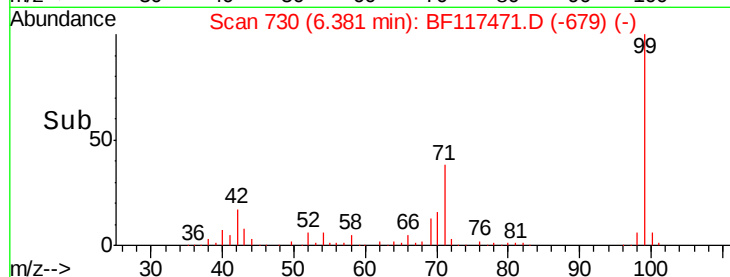
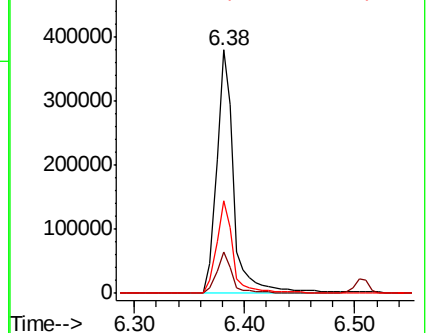
71 38.2 28.6 43.0



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: 14.422 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF117471.D

Acq: 22 Oct 2019 2:02

Tgt Ion: 70 Resp: 34012

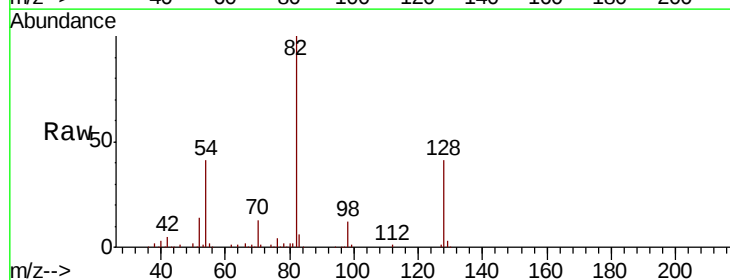
Ion Ratio Lower Upper

70 100

42 37.1 36.7 55.1

101 0.0 8.3 12.5#

130 1.8 18.1 27.1#

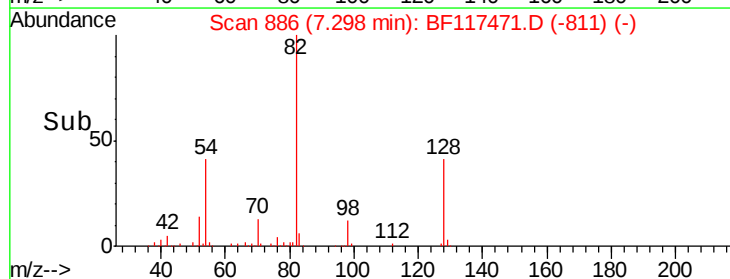
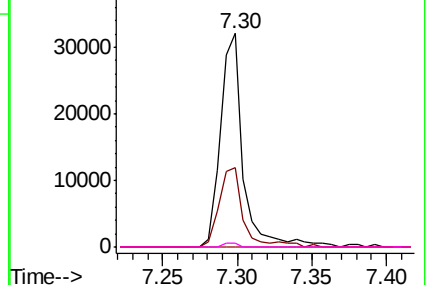


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

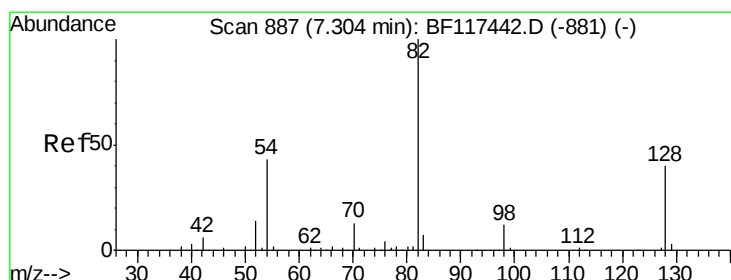
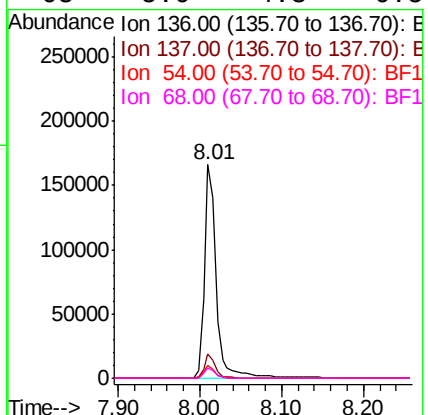
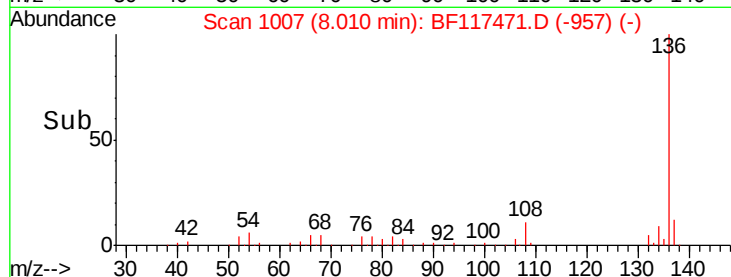
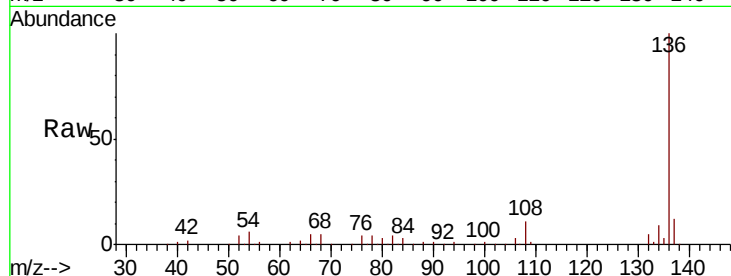




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117471.D
Acq: 22 Oct 2019 2:02

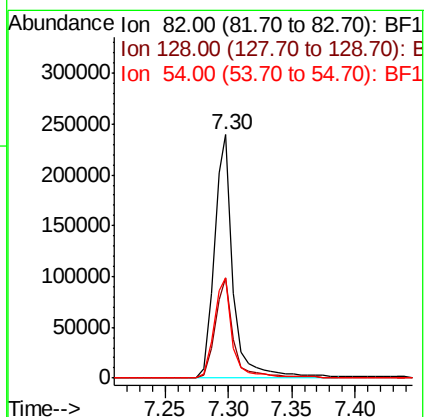
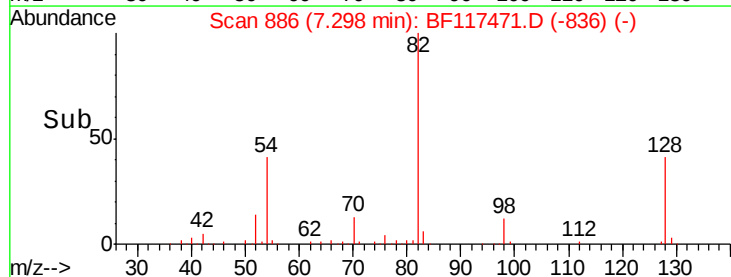
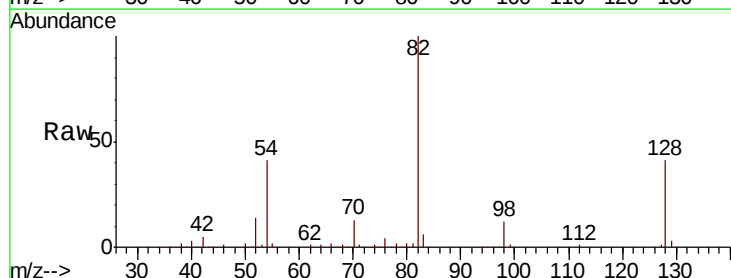
Instrument :
BNA_F
ClientSampleId :

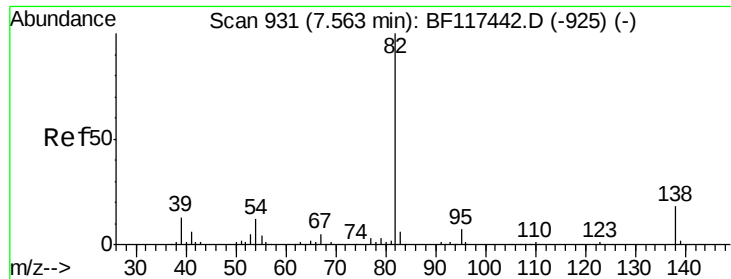
Tot Ion:136	Resp:	169708
Ion	Ratio	Lower Upper
136	100	
137	11.7	8.2 12.4
54	6.1	4.5 6.7
68	5.0	4.3 6.5



#23
Nitrobenzene-d5
Concen: 73.308 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117471.D
Acq: 22 Oct 2019 2:02

Tgt Ion: 82	Resp:	252005
Ion	Ratio	Lower Upper
82	100	
128	41.1	32.2 48.2
54	40.9	34.2 51.2





#25

Isophorone

Concen: 42.376 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF117471.D

Acq: 22 Oct 2019 2:02

Instrument :

BNA_F

ClientSampleId :

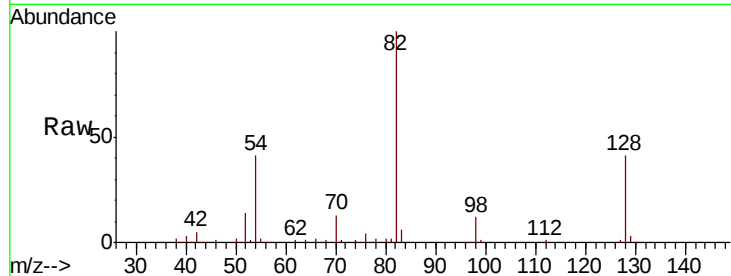
Tot Ion: 82 Resp: 252001

Ion Ratio Lower Upper

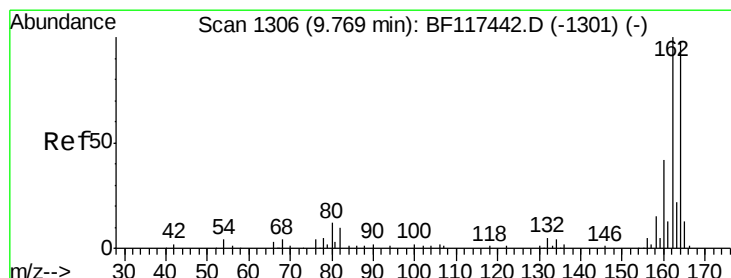
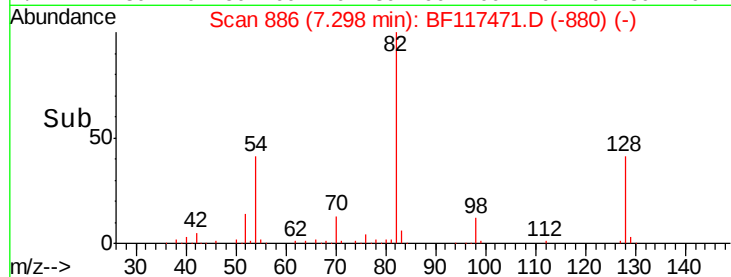
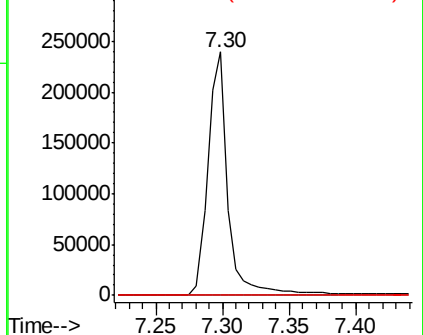
82 100

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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF117471.D

Acq: 22 Oct 2019 2:02

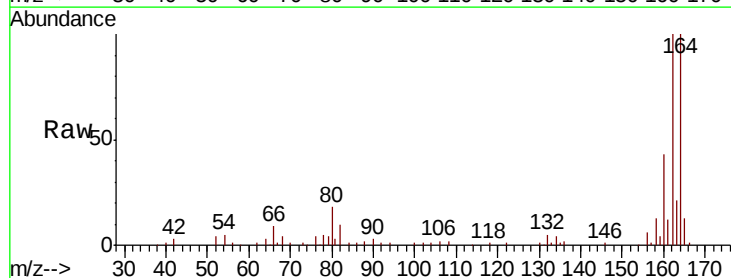
Tgt Ion:164 Resp: 84905

Ion Ratio Lower Upper

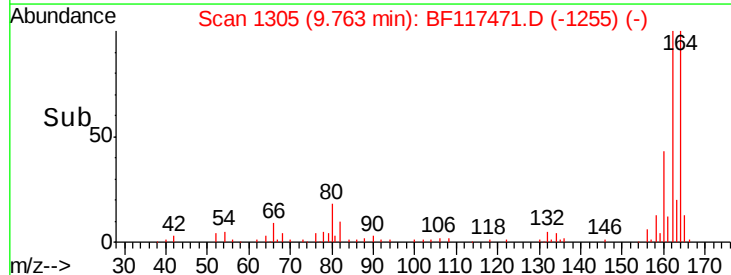
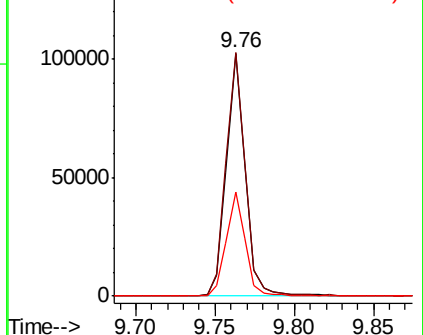
164 100

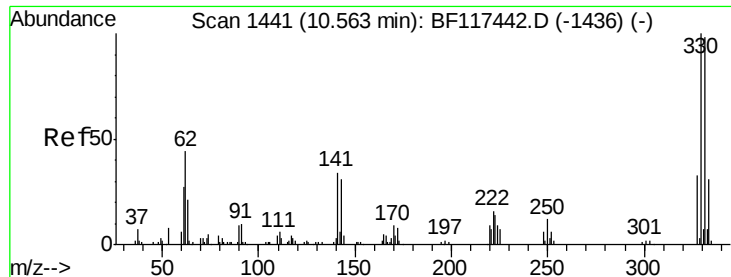
162 100.4 81.8 122.6

160 43.2 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: 106.514 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF117471.D

Acq: 22 Oct 2019 2:02

Instrument :

BNA_F

ClientSampleId :

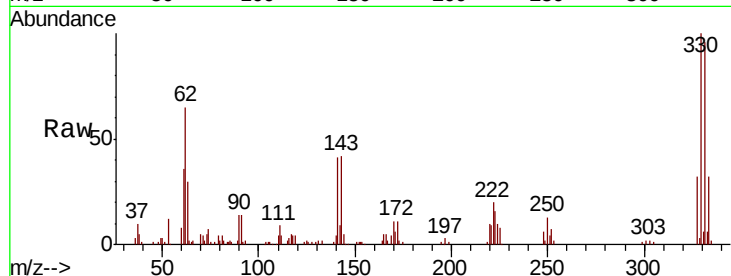
Tot Ion:330 Resp: 78250

Ion Ratio Lower Upper

330 100

332 94.6 78.5 117.7

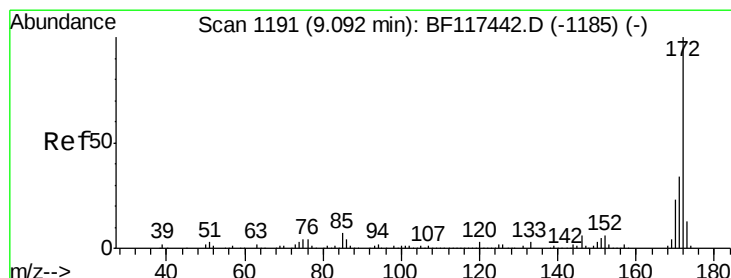
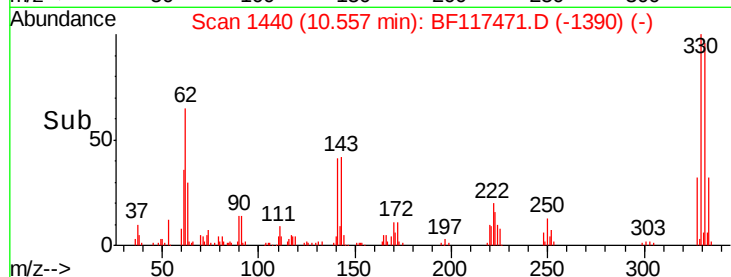
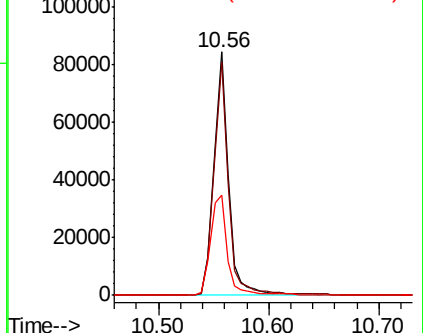
141 46.0 37.0 55.6



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: 75.217 ng

RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF117471.D

Acq: 22 Oct 2019 2:02

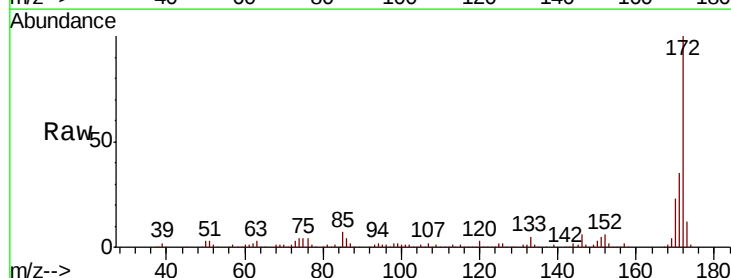
Tgt Ion:172 Resp: 453257

Ion Ratio Lower Upper

172 100

171 35.0 27.5 41.3

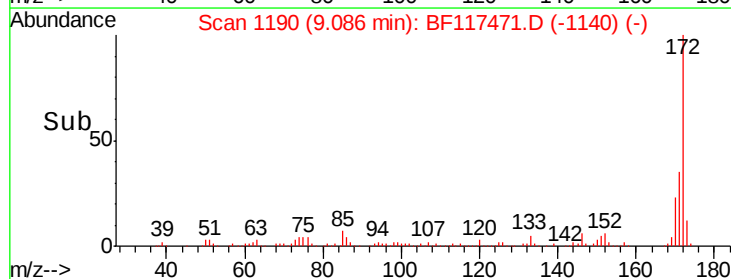
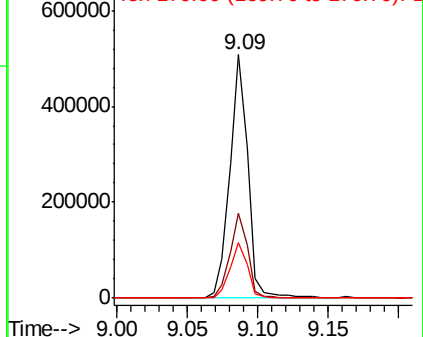
170 23.0 18.6 27.8

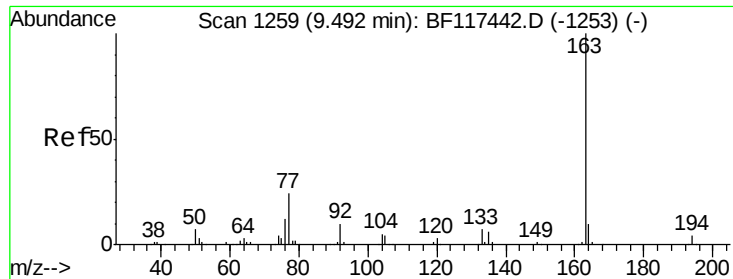


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

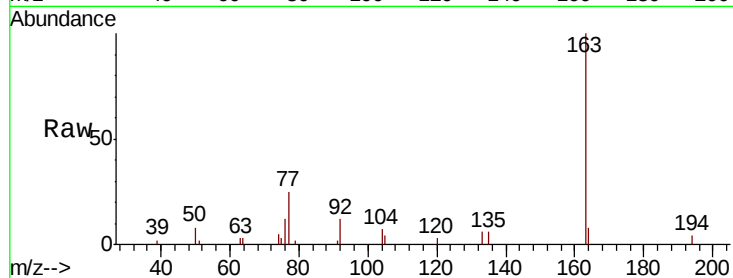




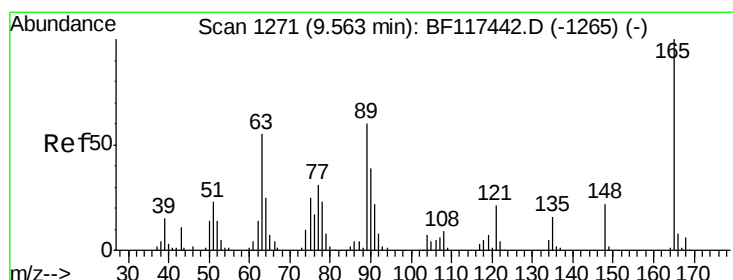
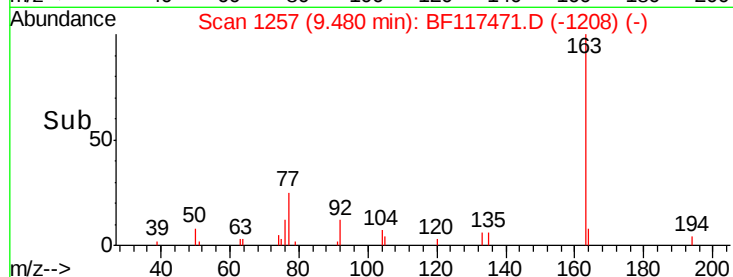
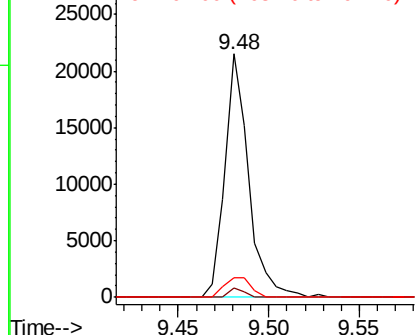
#50
Dimethylphthalate
Concen: 3.251 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117471.D
Acq: 22 Oct 2019 2:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.9	4.3
164	7.8	8.2	12.2#

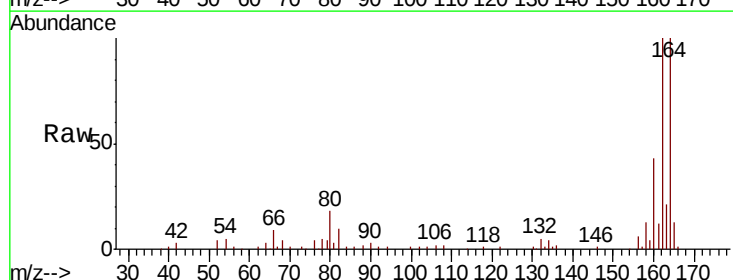


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

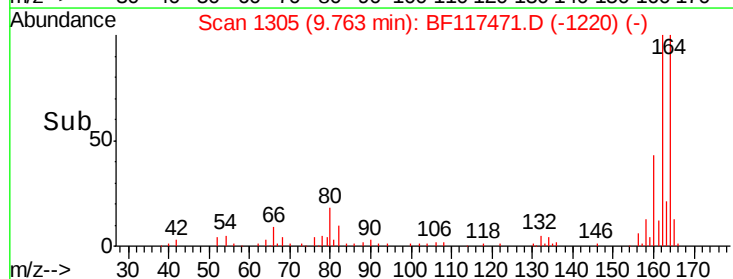
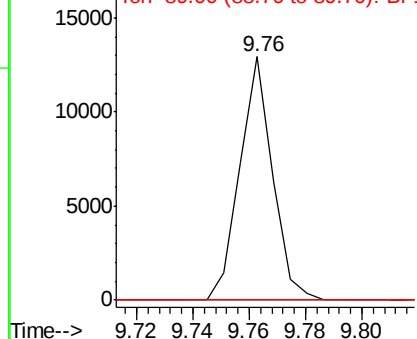


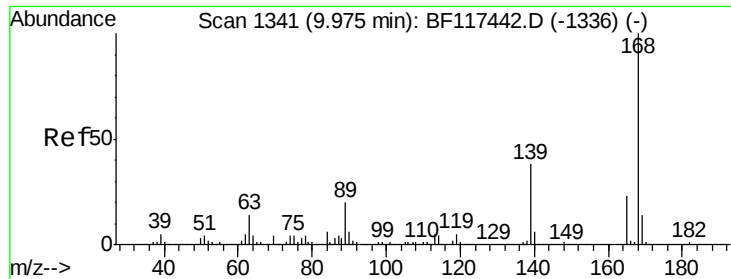
#51
2,6-Dinitrotoluene
Concen: 8.239 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.20 min
Lab File: BF117471.D
Acq: 22 Oct 2019 2:02

Tgt 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

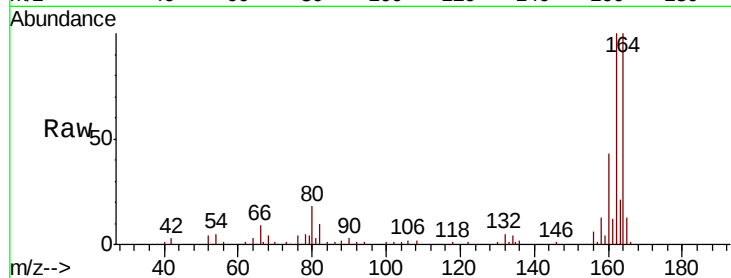




#57
2,4-Dinitrotoluene
Concen: 6.197 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.21 min
Lab File: BF117471.D
Acq: 22 Oct 2019 2:02

Instrument :
BNA_F
ClientSampleId :

Tot 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#

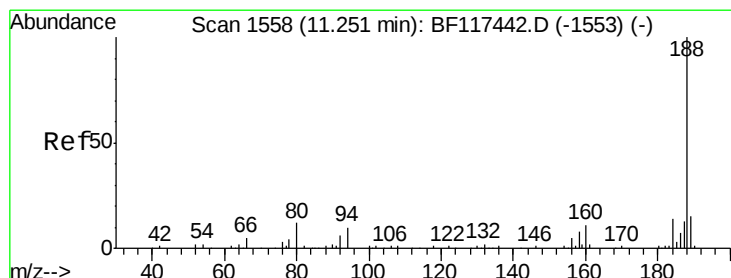
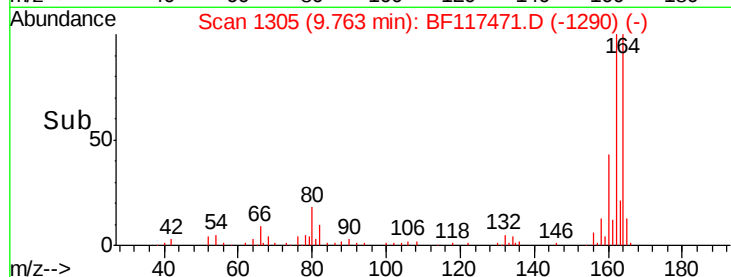
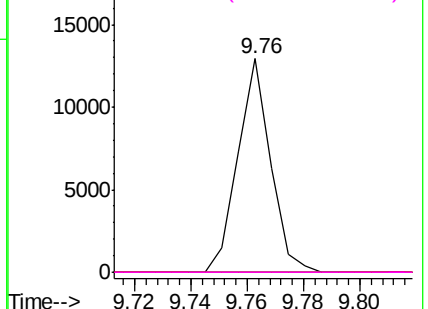


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

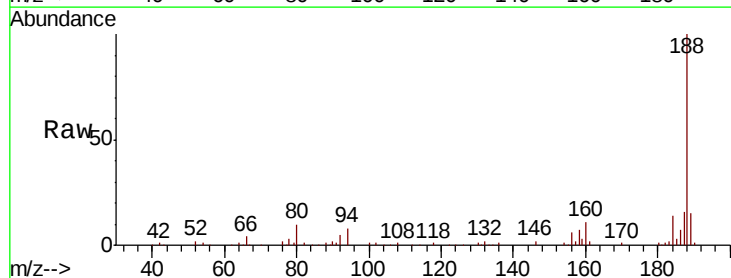
Ion 89.00 (88.70 to 89.70): BF1

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: BF117471.D
Acq: 22 Oct 2019 2:02

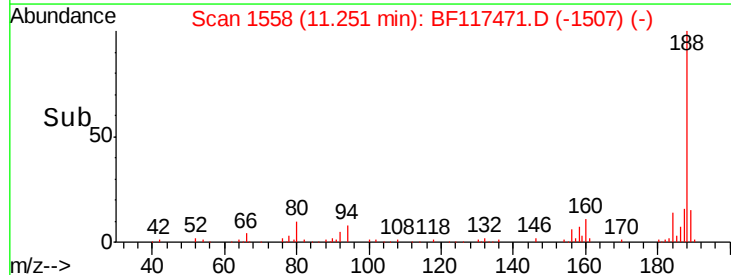
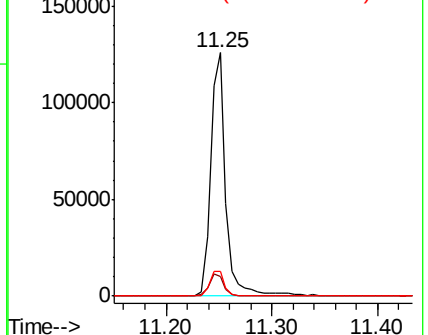
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	8.0	12.0
80	10.0	9.5	14.3

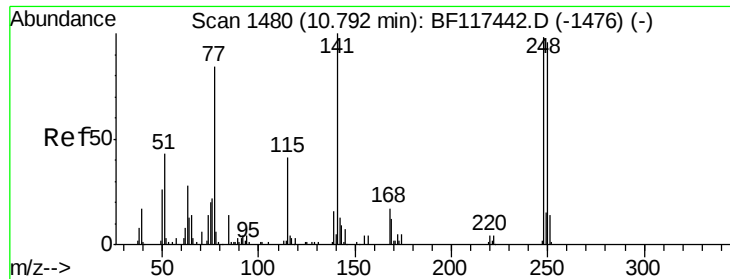


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#67

4-Bromophenyl-phenylether

Concen: 3.704 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.24 min

Lab File: BF117471.D

Acq: 22 Oct 2019 2:02

Instrument :

BNA_F

ClientSampleId :

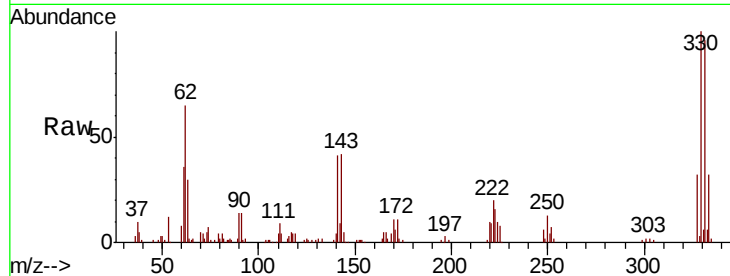
Tot Ion:248 Resp: 4999

Ion Ratio Lower Upper

248 100

250 196.2 78.0 117.0#

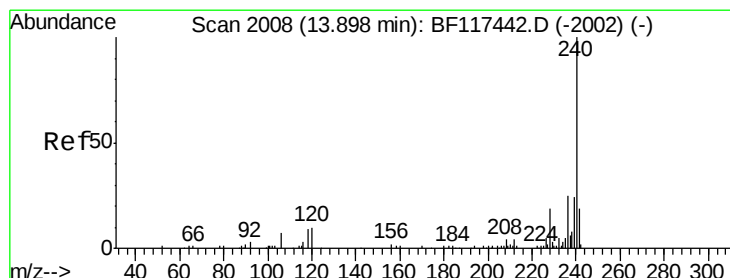
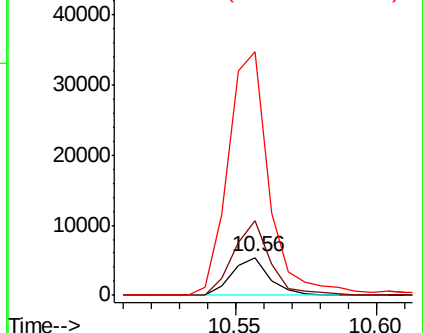
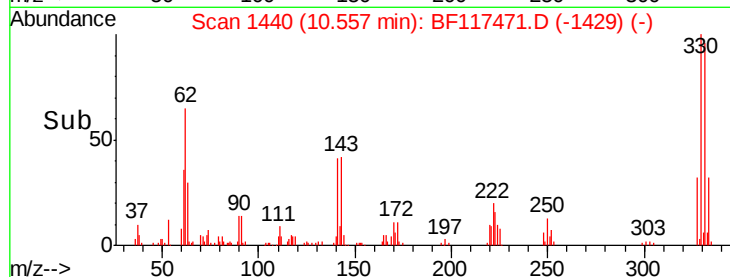
141 643.4 81.7 122.5#



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: BF117471.D

Acq: 22 Oct 2019 2:02

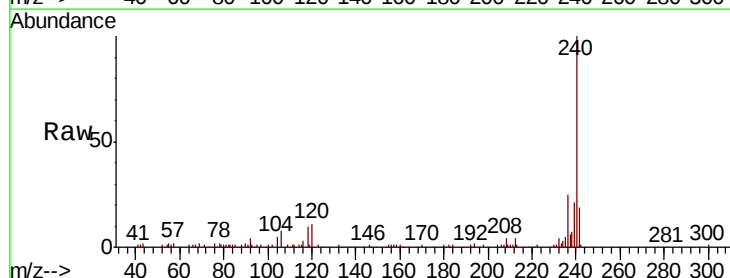
Tgt Ion:240 Resp: 80477

Ion Ratio Lower Upper

240 100

120 10.7 8.4 12.6

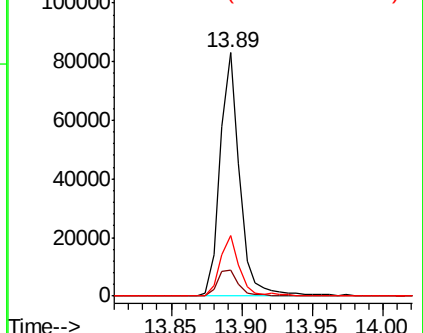
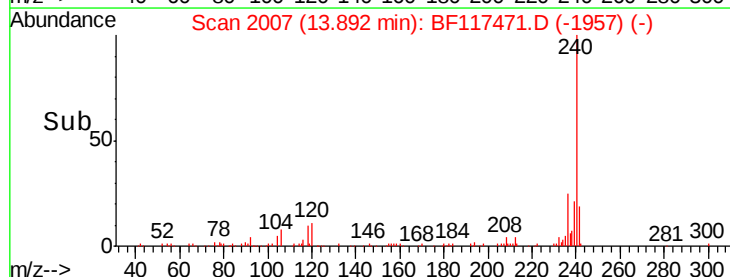
236 24.9 20.0 30.0

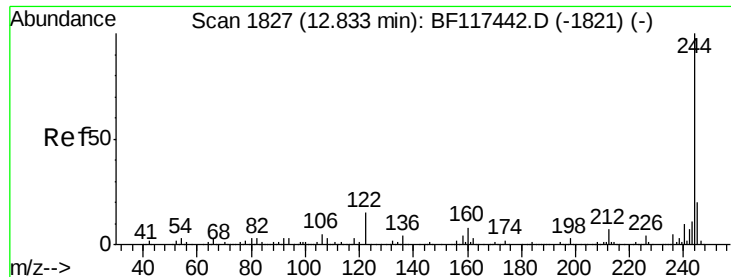


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 71.675 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF117471.D

Acq: 22 Oct 2019 2:02

Instrument :

BNA_F

ClientSampled :

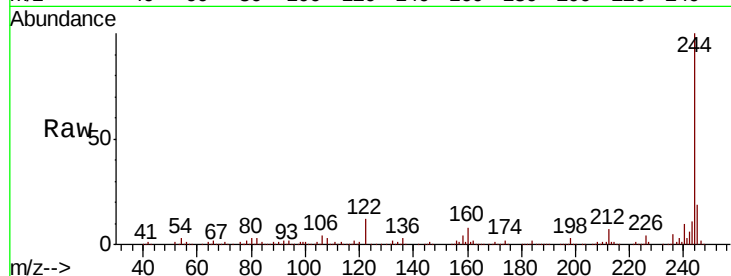
Tot Ion:244 Resp: 353633

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

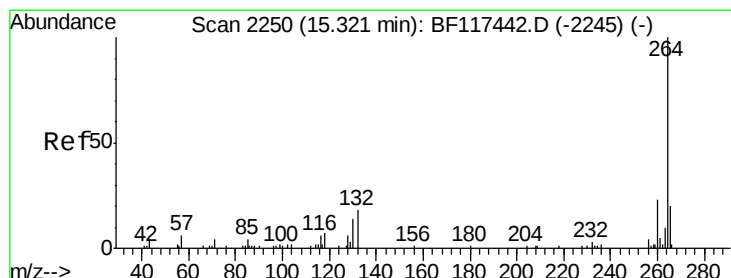
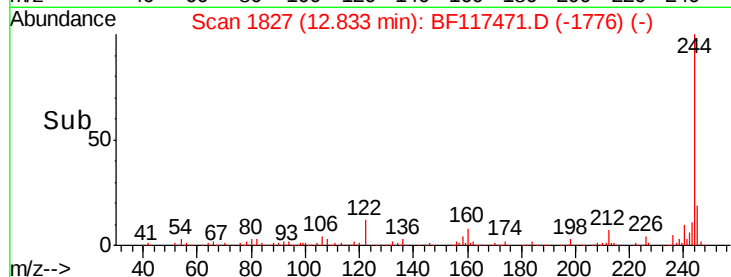
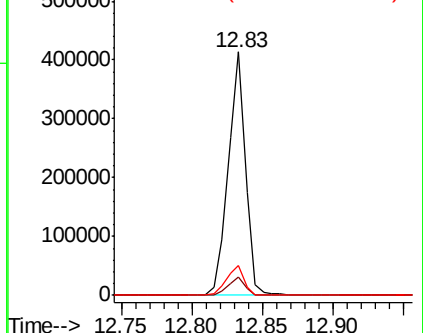
122 12.4 11.8 17.8



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# 2250

Delta R.T. -0.00 min

Lab File: BF117471.D

Acq: 22 Oct 2019 2:02

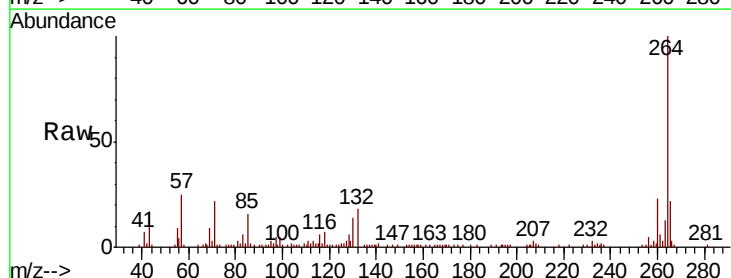
Tgt Ion:264 Resp: 81508

Ion Ratio Lower Upper

264 100

260 23.3 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

