

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102119\
 Data File : BF117461.D
 Acq On : 21 Oct 2019 21:35
 Operator : JU
 Sample : K5439-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 22 01:56:01 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	62078	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	253287	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	134461	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	230770	20.00	ng	0.00
76) Chrysene-d12	13.89	240	193543	20.00	ng	0.00
87) Perylene-d12	15.32	264	195547	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	325316	77.96	ng	0.00
7) Phenol-d6	6.38	99	433142	77.29	ng	0.00
23) Nitrobenzene-d5	7.30	82	274917	53.58	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	101856	87.55	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	459550	48.16	ng	0.00
79) Terphenyl-d14	12.83	244	575055	48.46	ng	0.00

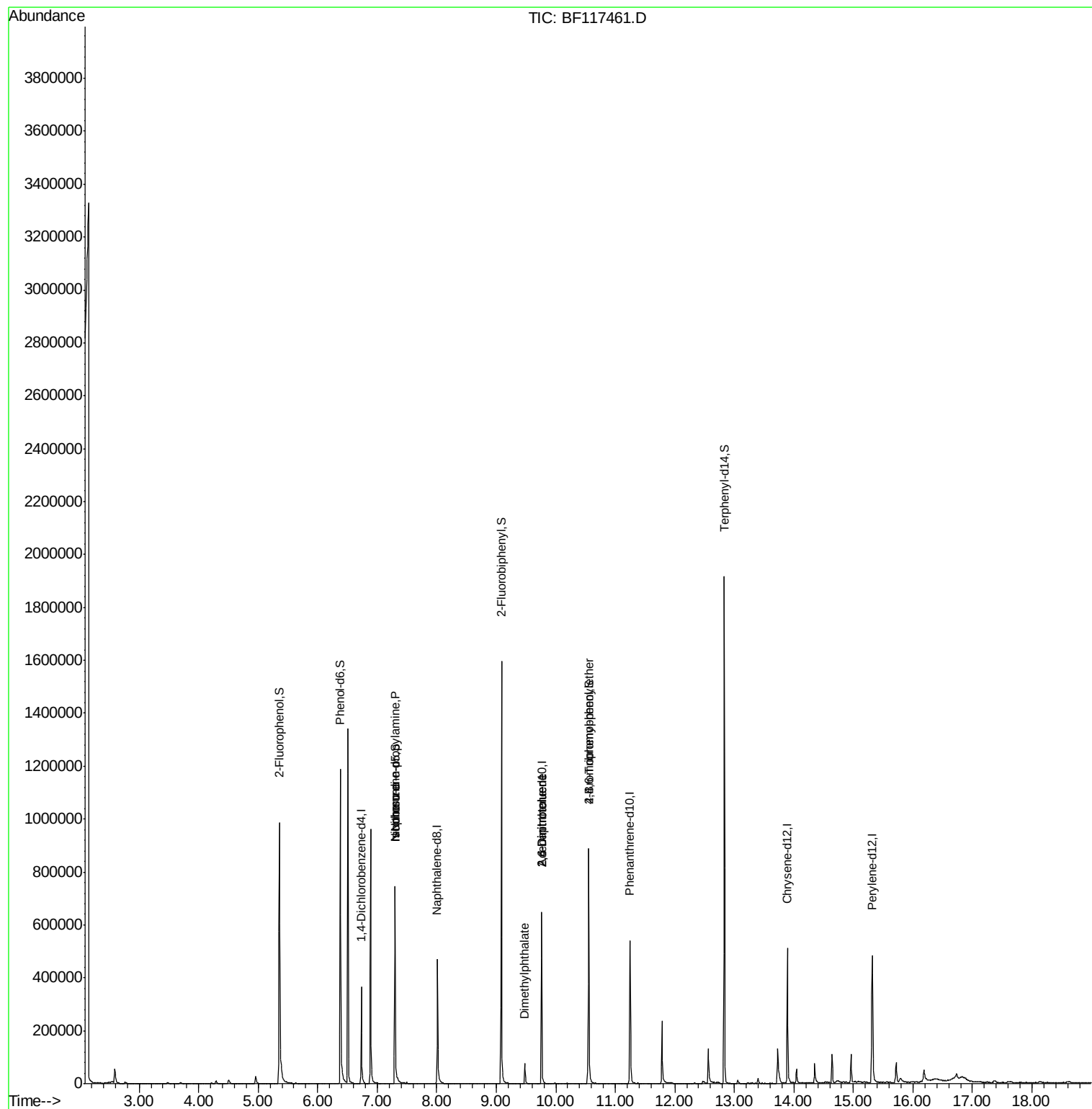
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.38	77	687	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	7.30	70	37326	10.905	ng	# 76
25) Isophorone	7.30	82	274915	30.974	ng	# 65
50) Dimethylphthalate	9.48	163	35318	3.684	ng	# 97
51) 2,6-Dinitrotoluene	9.76	165	17149	8.573	ng	# 22
57) 2,4-Dinitrotoluene	9.76	165	17149	6.448	ng	# 12
67) 4-Bromophenyl-phenylether	10.56	248	6531	2.627	ng	# 1
77) Benzidine	12.83	184	7986	Below Cal	#	94

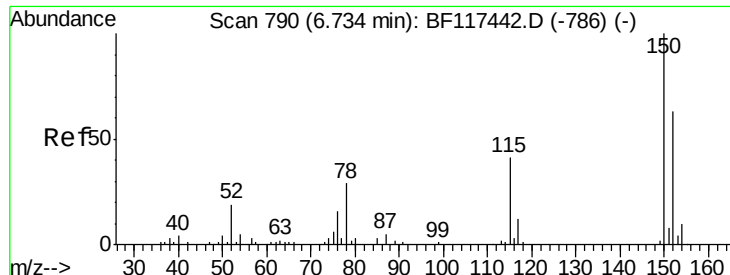
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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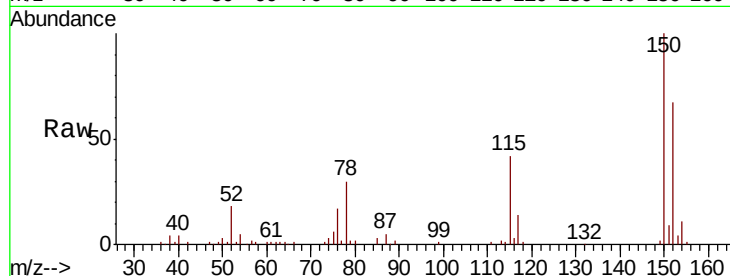


#1

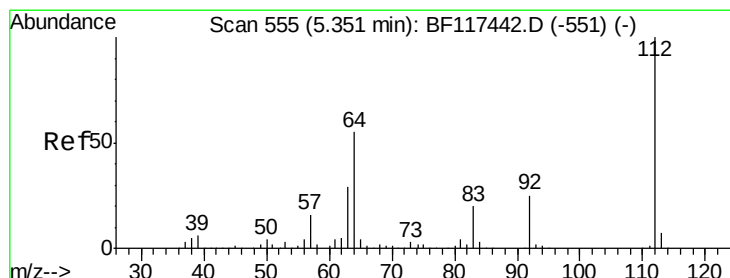
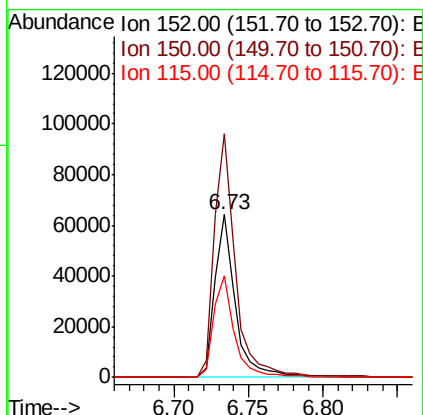
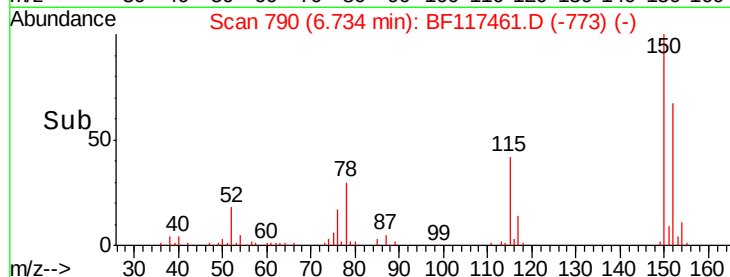
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF117461.D
Acq: 21 Oct 2019 21:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 62078
Ion Ratio Lower Upper
152 100
150 149.7 126.8 190.2
115 62.4 51.6 77.4



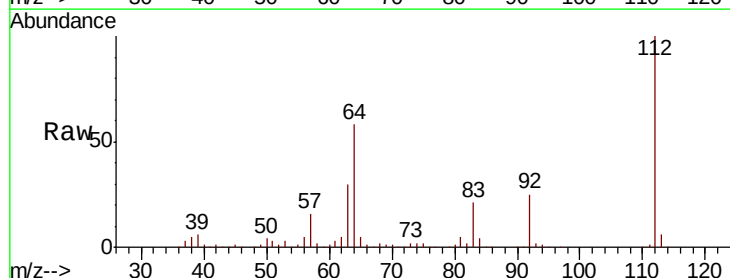
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



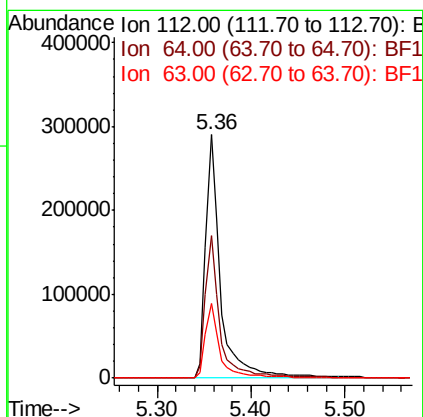
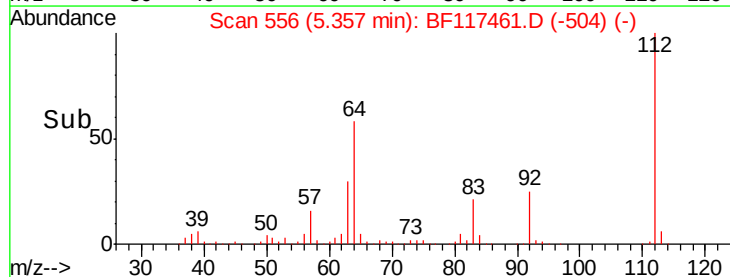
#5

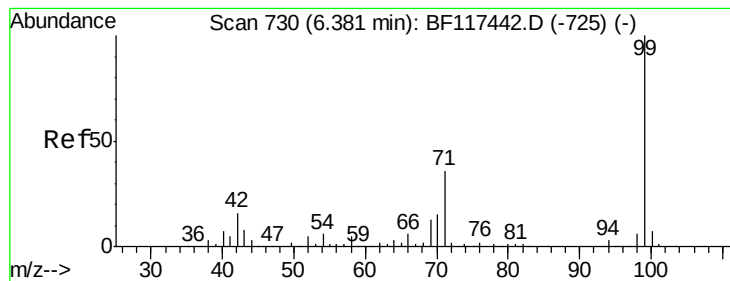
2-Fluorophenol
Concen: 77.962 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117461.D
Acq: 21 Oct 2019 21:35

Tgt Ion:112 Resp: 325316
Ion Ratio Lower Upper
112 100
64 58.4 44.1 66.1
63 30.4 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: 77.285 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117461.D

Acq: 21 Oct 2019 21:35

Instrument :

BNA_F

ClientSampled :

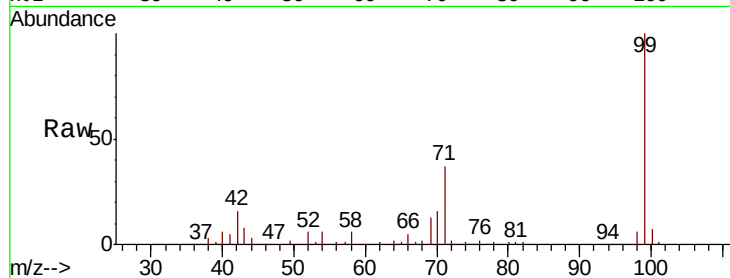
Tot Ion: 99 Resp: 433142

Ion Ratio Lower Upper

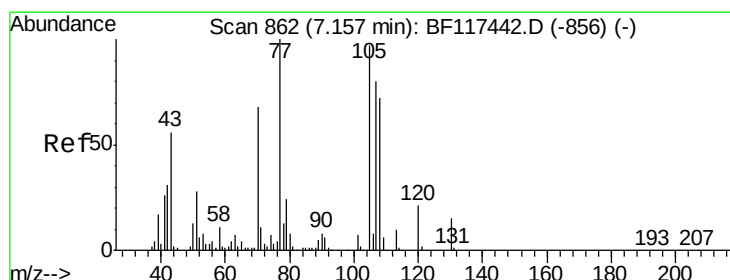
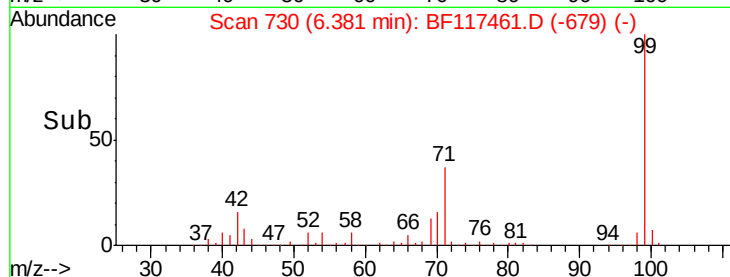
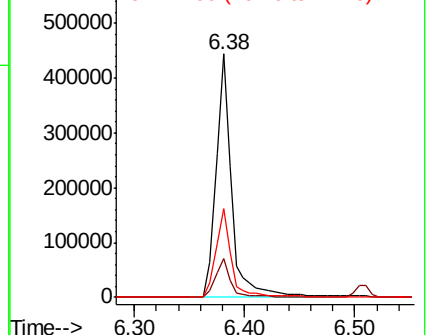
99 100

42 15.7 12.8 19.2

71 36.7 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: 10.905 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF117461.D

Acq: 21 Oct 2019 21:35

Tgt Ion: 70 Resp: 37326

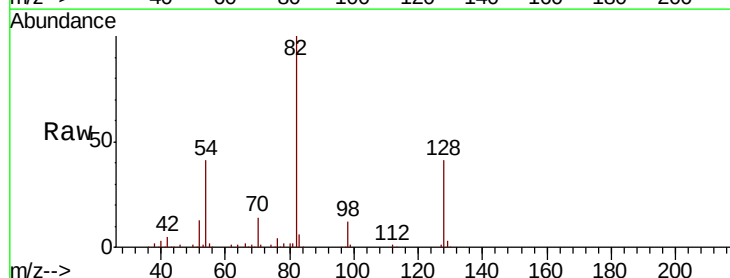
Ion Ratio Lower Upper

70 100

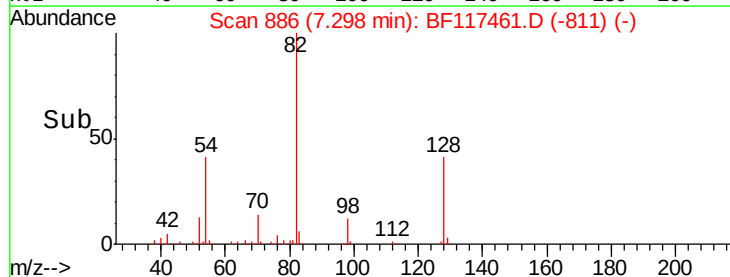
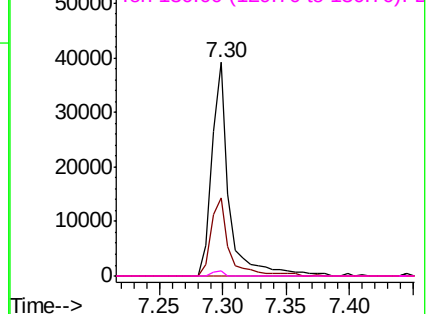
42 36.4 36.7 55.1#

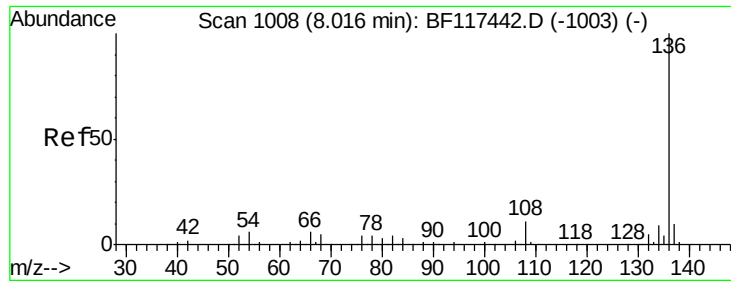
101 0.0 8.3 12.5#

130 2.5 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): BF1
Ion 130.00 (129.70 to 130.70): BF1

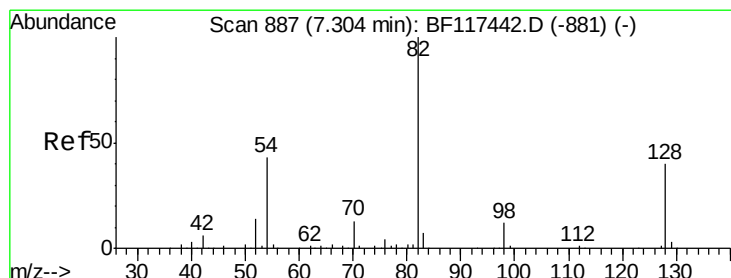
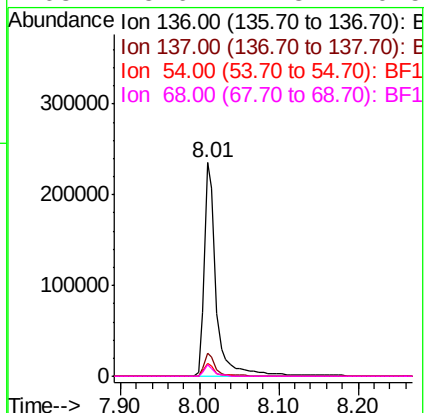
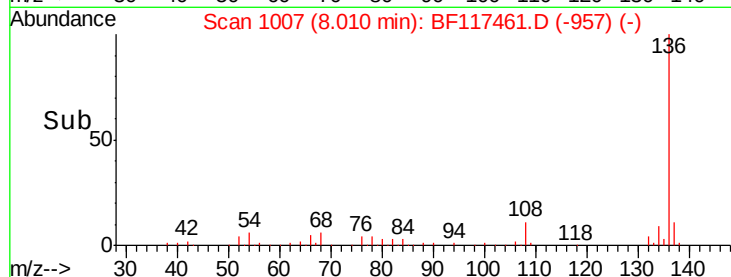
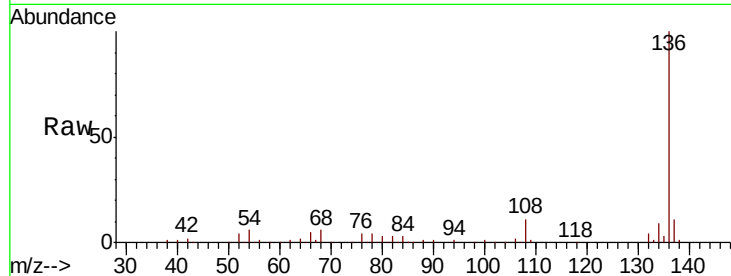




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117461.D
Acq: 21 Oct 2019 21:35

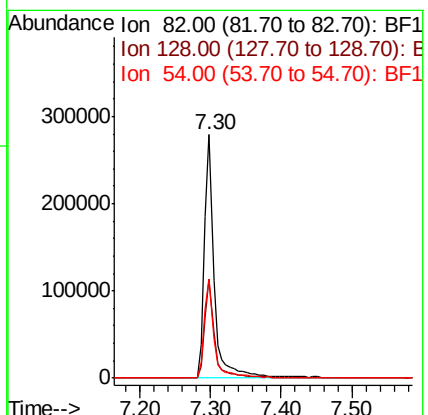
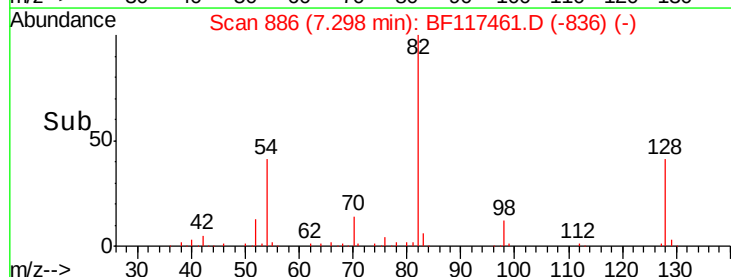
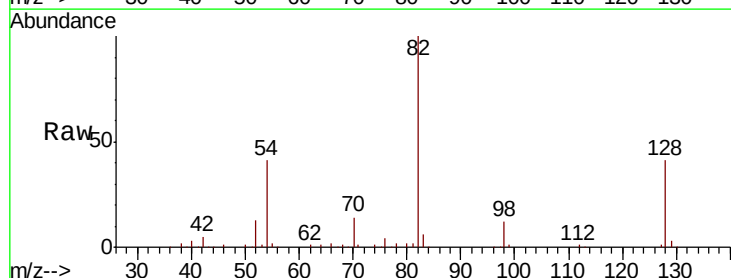
Instrument :
BNA_F
ClientSampleId :

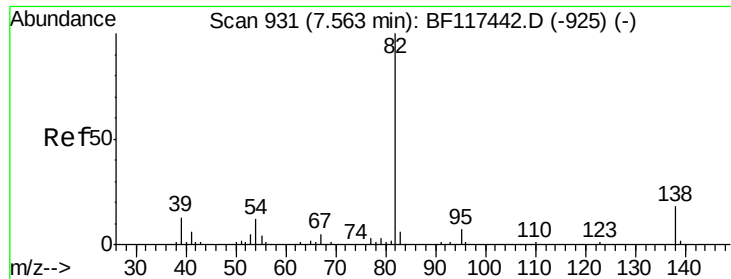
Tot Ion:136	Resp:	253287
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.2 12.4
54	6.3	4.5 6.7
68	5.6	4.3 6.5



#23
Nitrobenzene-d5
Concen: 53.584 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117461.D
Acq: 21 Oct 2019 21:35

Tgt Ion: 82	Resp:	274917
Ion	Ratio	Lower Upper
82	100	
128	40.6	32.2 48.2
54	40.7	34.2 51.2





#25

Isophorone

Concen: 30.974 ng

RT: 7.30 min Scan# 886

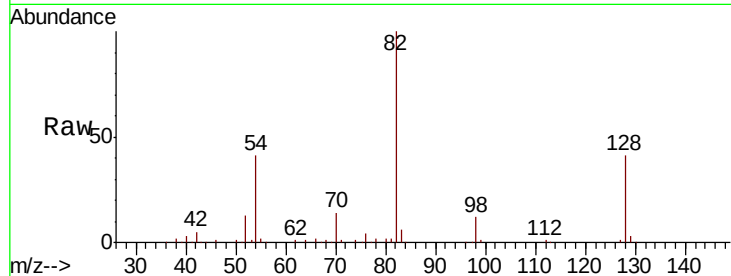
Delta R.T. -0.26 min

Lab File: BF117461.D

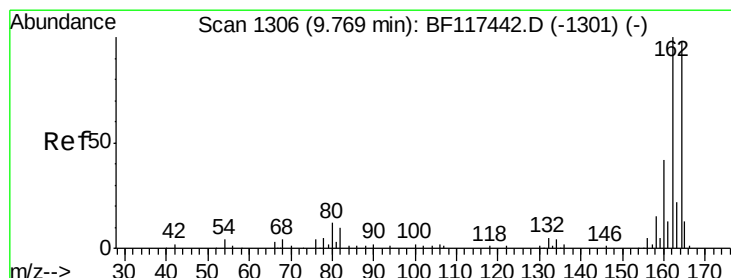
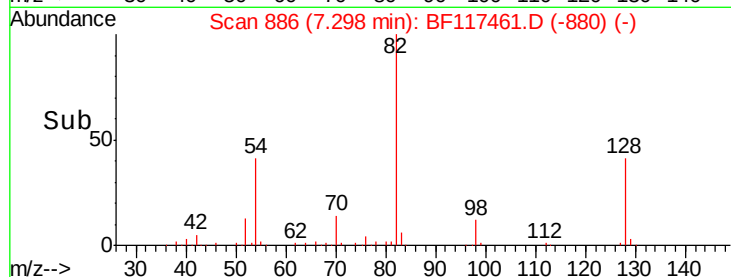
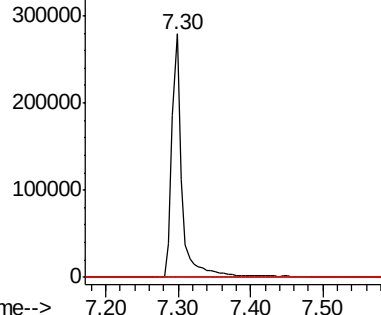
Acq: 21 Oct 2019 21:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	82	Resp:	274915
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

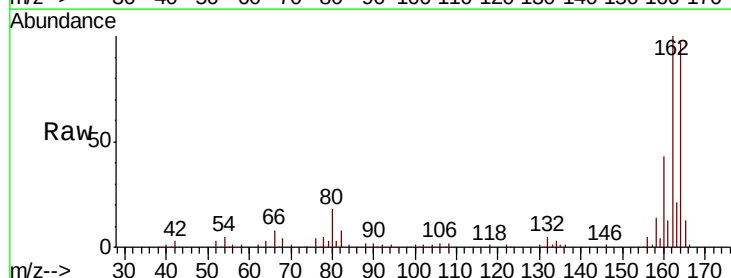
RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

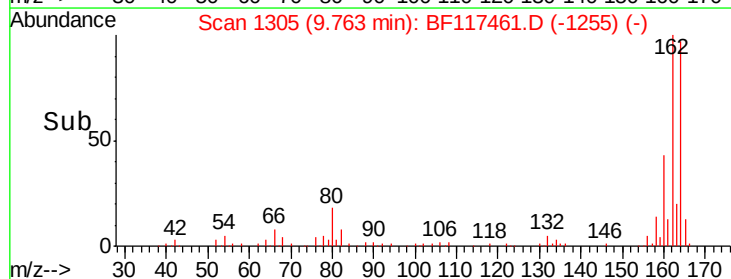
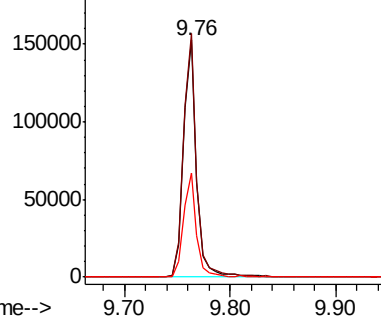
Lab File: BF117461.D

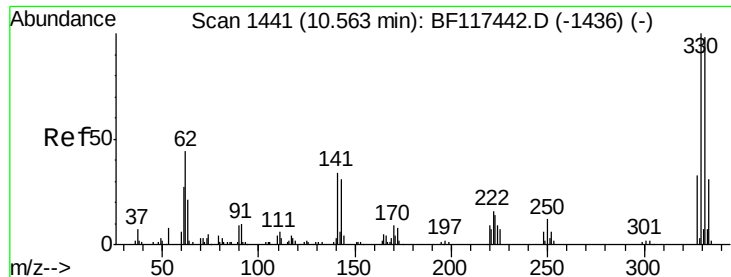
Acq: 21 Oct 2019 21:35

Tgt Ion:	164	Resp:	134461
Ion	Ratio	Lower	Upper
164	100		
162	102.9	81.8	122.6
160	43.9	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: 87.548 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF117461.D

Acq: 21 Oct 2019 21:35

Instrument :

BNA_F

ClientSampleId :

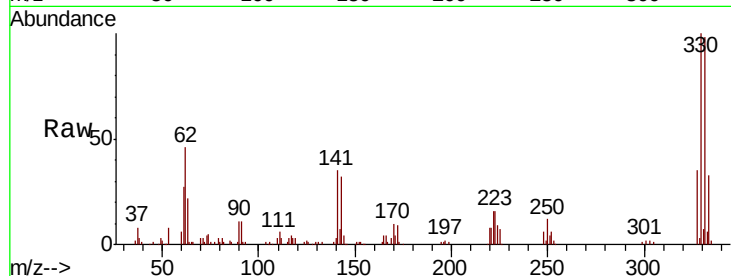
Tot Ion:330 Resp: 101856

Ion Ratio Lower Upper

330 100

332 95.7 78.5 117.7

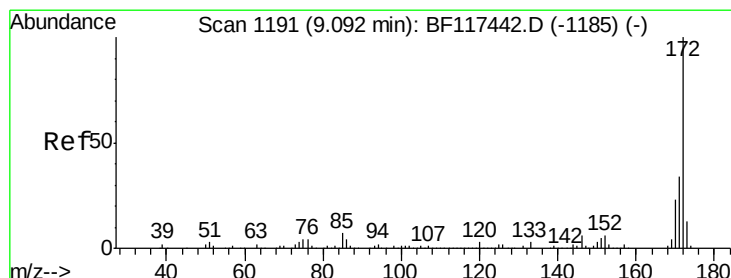
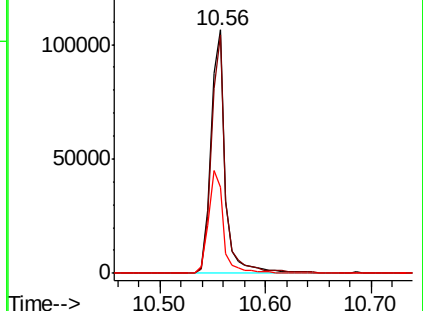
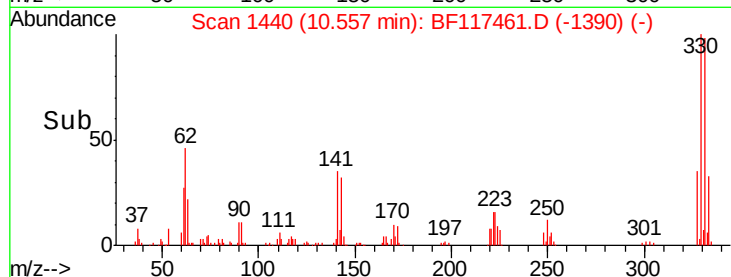
141 43.9 37.0 55.6



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: 48.155 ng

RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF117461.D

Acq: 21 Oct 2019 21:35

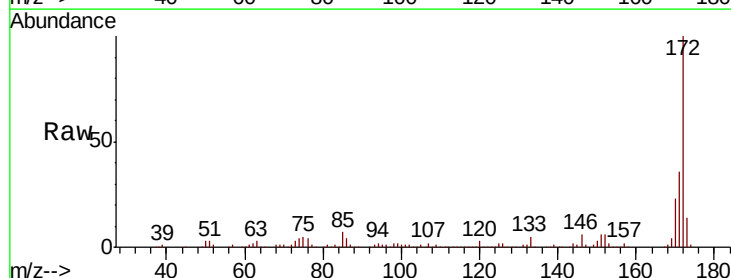
Tgt Ion:172 Resp: 459550

Ion Ratio Lower Upper

172 100

171 36.0 27.5 41.3

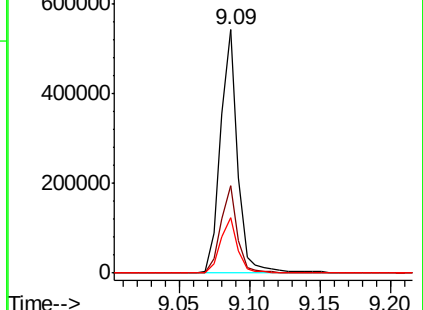
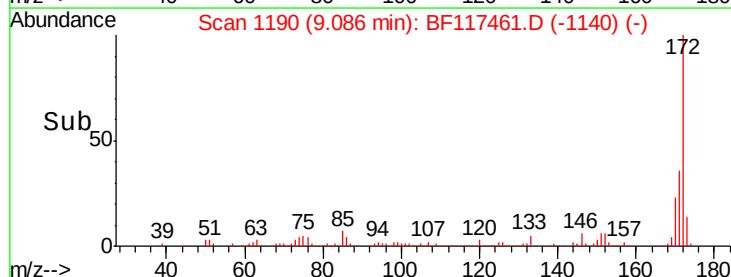
170 23.0 18.6 27.8

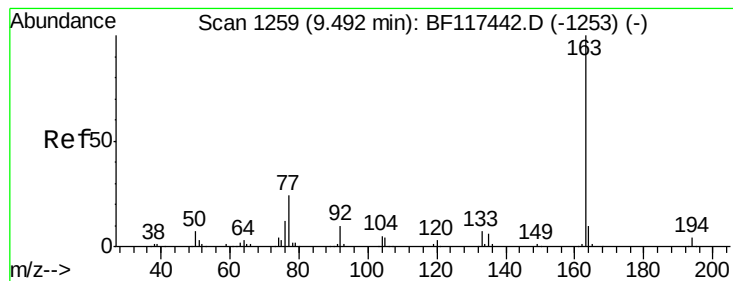


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.684 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF117461.D

Acq: 21 Oct 2019 21:35

Instrument :

BNA_F

ClientSampleId :

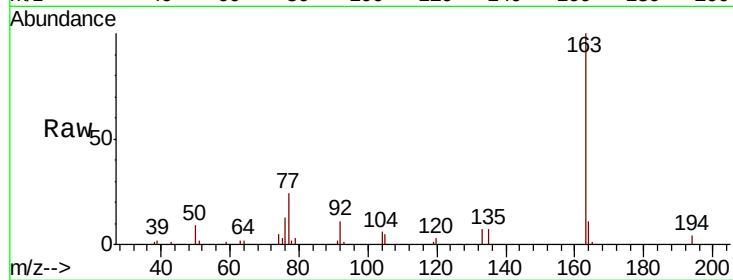
Tot Ion:163 Resp: 35318

Ion Ratio Lower Upper

163 100

194 4.4 2.9 4.3#

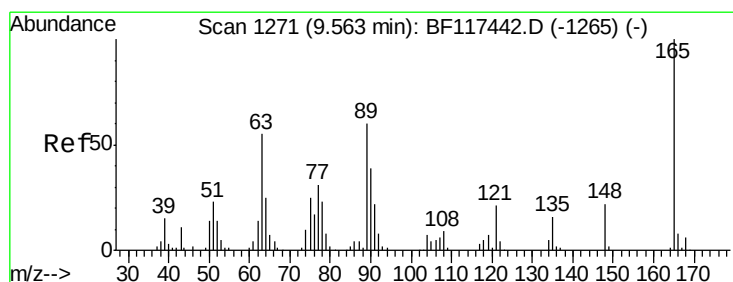
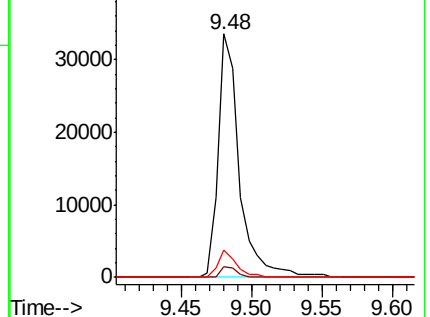
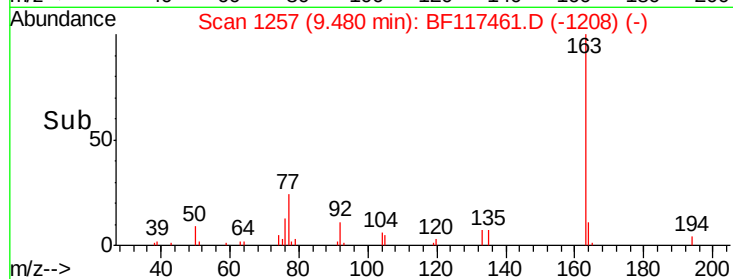
164 11.2 8.2 12.2



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



#51

2,6-Dinitrotoluene

Concen: 8.573 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.20 min

Lab File: BF117461.D

Acq: 21 Oct 2019 21:35

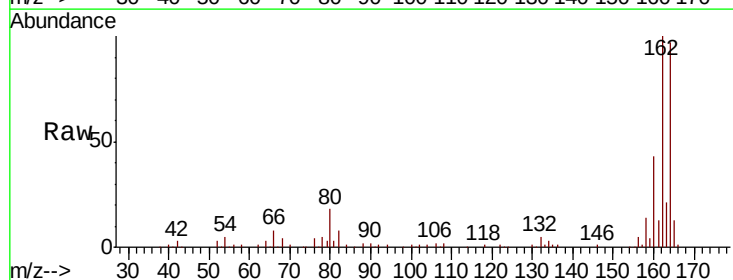
Tgt Ion:165 Resp: 17149

Ion Ratio Lower Upper

165 100

63 0.0 43.8 65.8#

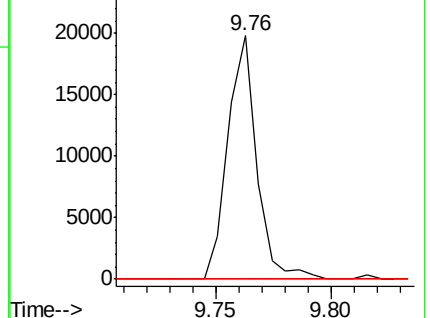
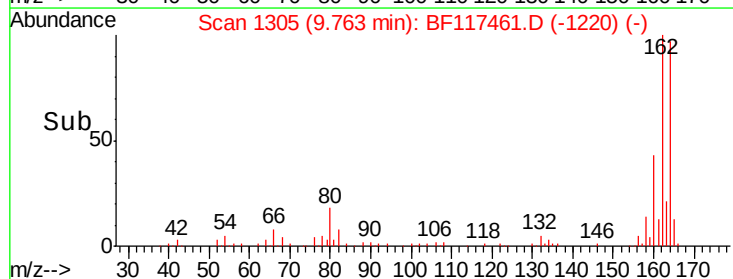
89 0.0 47.6 71.4#

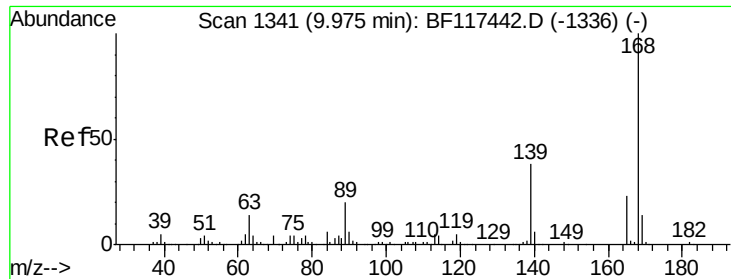


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

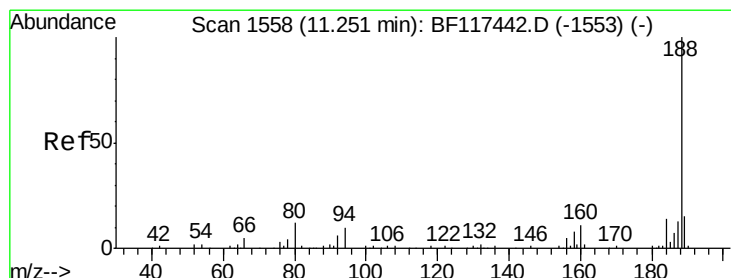
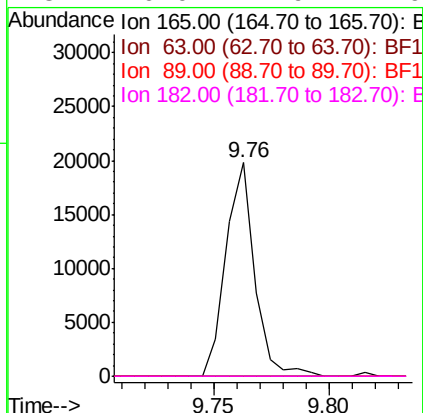
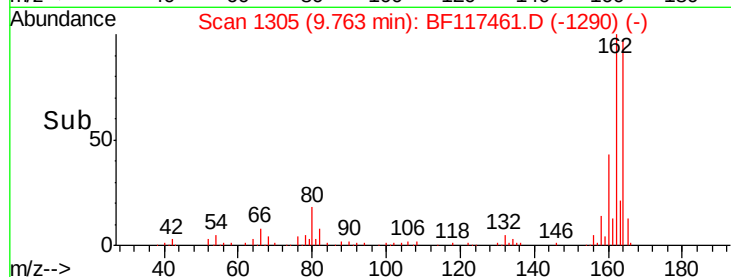
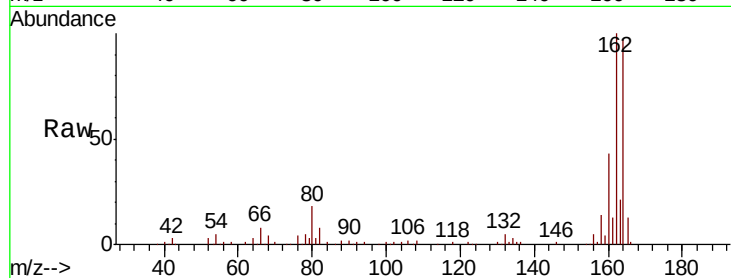




#57
 2,4-Dinitrotoluene
 Concen: 6.448 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.21 min
 Lab File: BF117461.D
 Acq: 21 Oct 2019 21:35

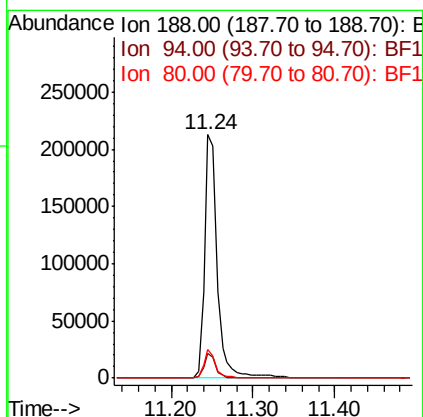
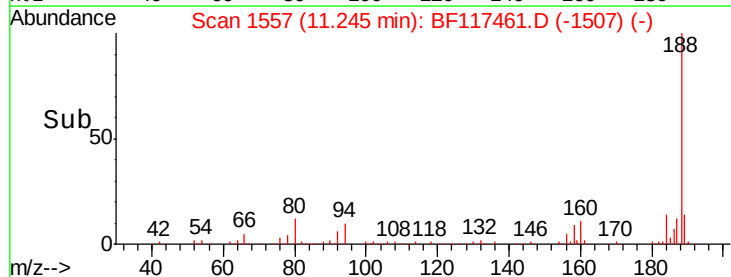
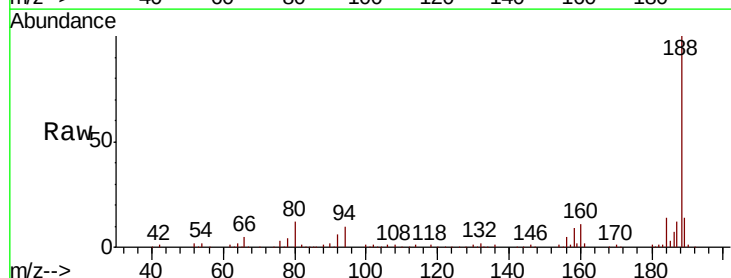
Instrument :
 BNA_F
 ClientSampleId :

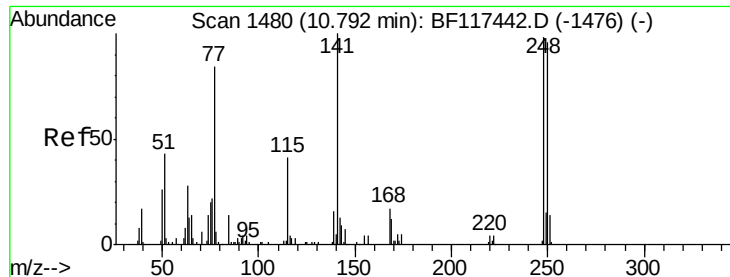
Tot Ion:165 Resp: 17149
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.4 77.0#
 89 0.0 69.9 104.9#
 182 0.0 1.9 2.9#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF117461.D
 Acq: 21 Oct 2019 21:35

Tgt Ion:188 Resp: 230770
 Ion Ratio Lower Upper
 188 100
 94 9.9 8.0 12.0
 80 11.9 9.5 14.3

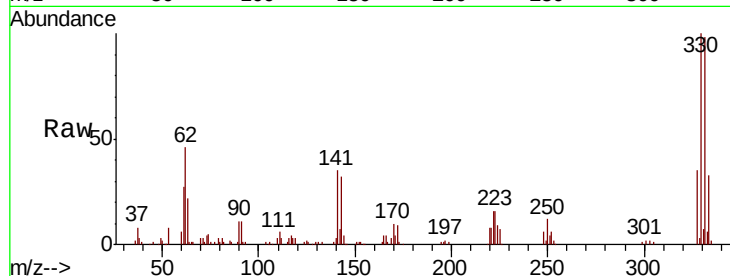




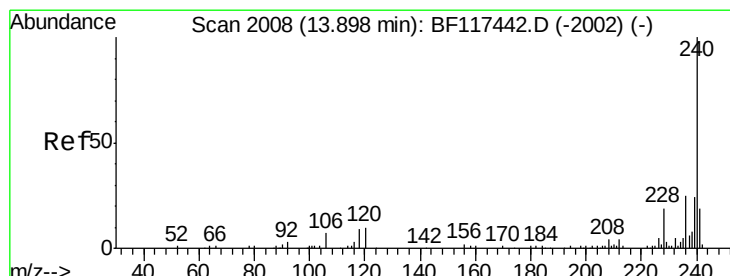
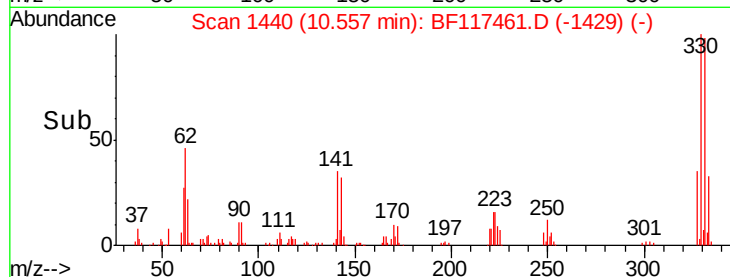
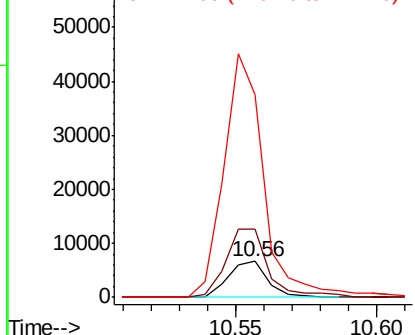
#67
 4-Bromophenyl-phenylether
 Concen: 2.627 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF117461.D
 Acq: 21 Oct 2019 21:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 6531
 Ion Ratio Lower Upper
 248 100
 250 189.9 78.0 117.0#
 141 561.8 81.7 122.5#

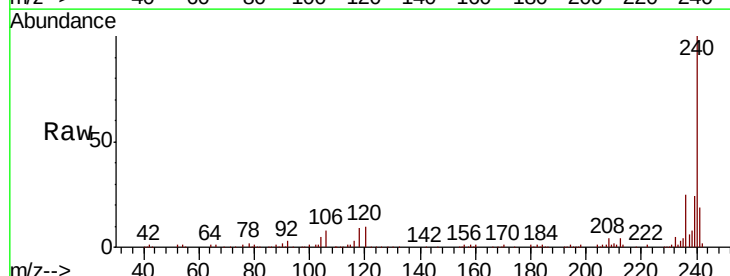


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

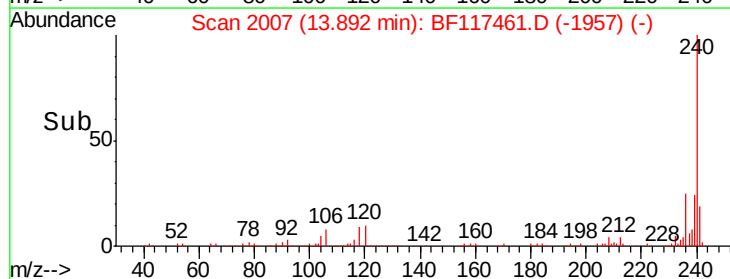
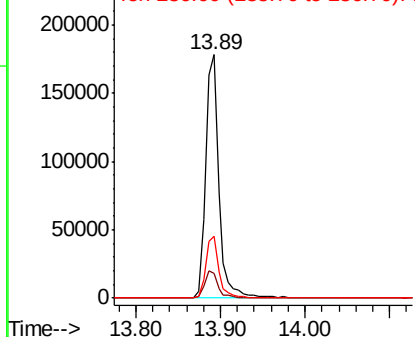


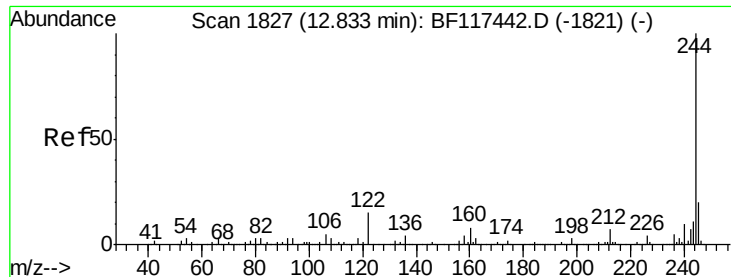
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF117461.D
 Acq: 21 Oct 2019 21:35

Tgt Ion:240 Resp: 193543
 Ion Ratio Lower Upper
 240 100
 120 10.0 8.4 12.6
 236 25.3 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

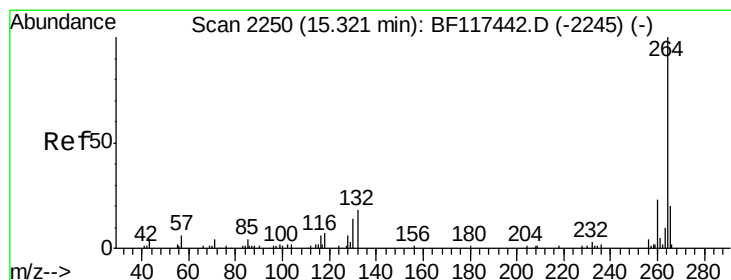
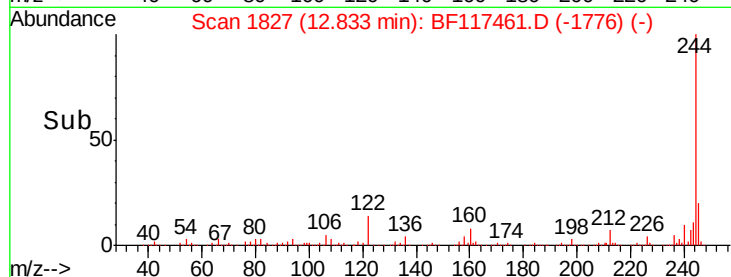
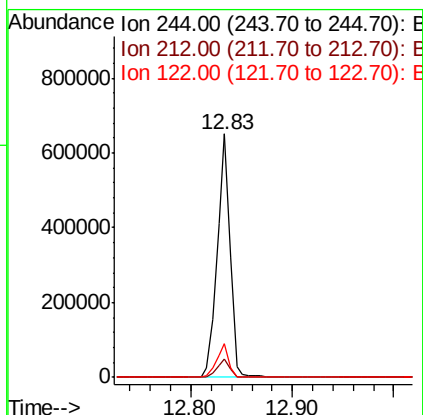
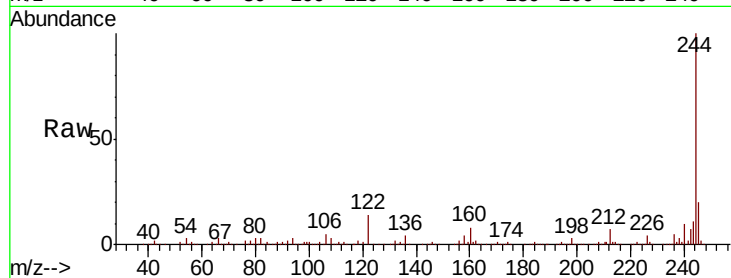




#79
 Terphenyl-d14
 Concen: 48.464 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. -0.00 min
 Lab File: BF117461.D
 Acq: 21 Oct 2019 21:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 575055
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.6
 122 14.0 11.8 17.8



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.32 min Scan# 2249
 Delta R.T. -0.01 min
 Lab File: BF117461.D
 Acq: 21 Oct 2019 21:35

Tgt Ion:264 Resp: 195547
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.4 27.6
 265 21.6 16.1 24.1

