

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
 Data File : BF116153.D
 Acq On : 10 Aug 2019 17:14
 Operator : HP/JU
 Sample : K4294-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 12 00:56:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

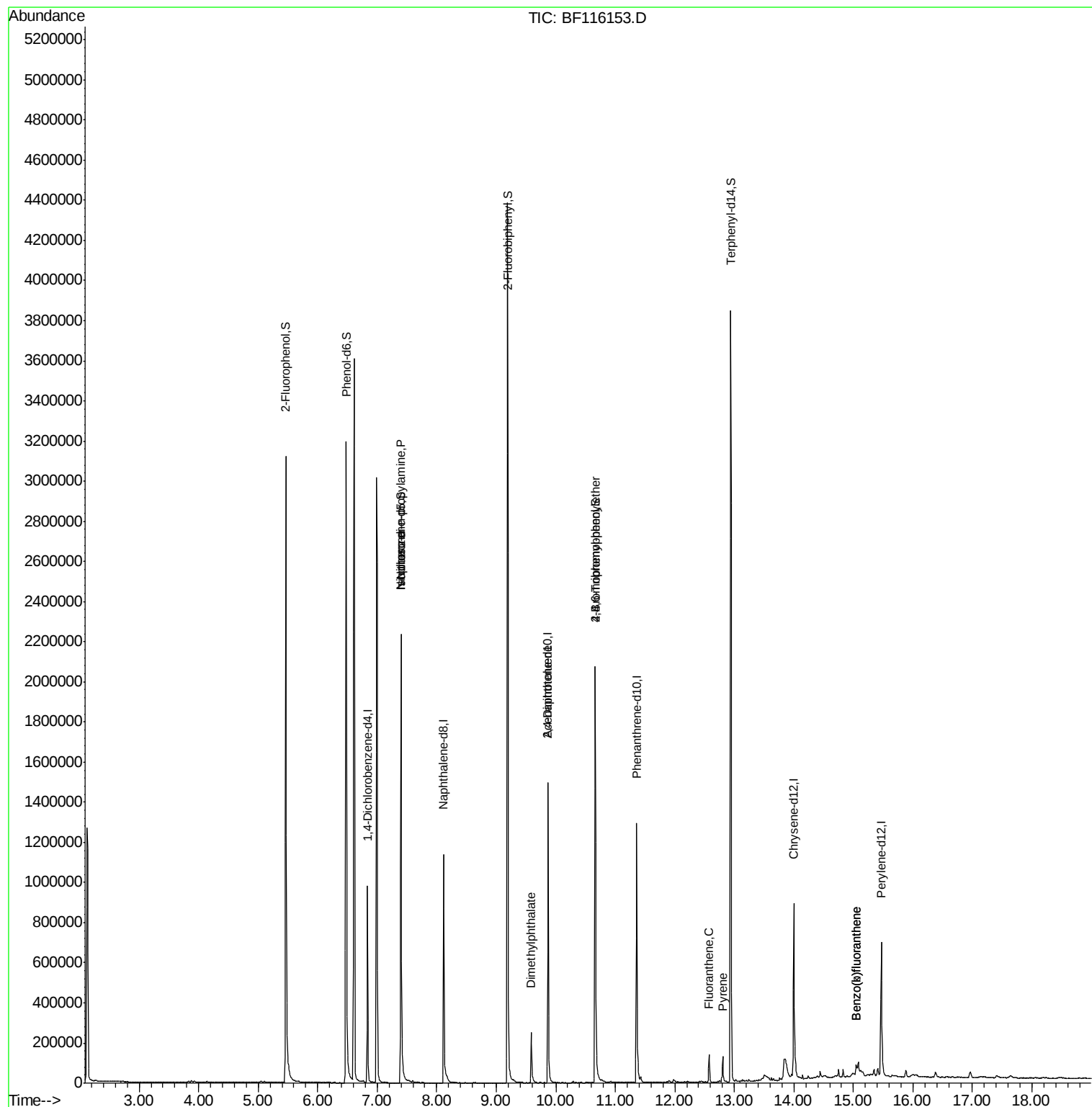
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	156833	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	611225	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	322530	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	548555	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	315880	20.00	ng	-0.01
87) Perylene-d12	15.47	264	360051	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1040026	111.01	ng	0.00
7) Phenol-d6	6.48	99	1356742	114.78	ng	0.00
23) Nitrobenzene-d5	7.40	82	897832	84.79	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	296580	94.84	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1492873	86.70	ng	-0.01
79) Terphenyl-d14	12.94	244	1459438	97.36	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	120225	16.414	ng	# 77
25) Isophorone	7.40	82	897827	44.342	ng	# 65
50) Dimethylphthalate	9.59	163	150828	6.868	ng	98
57) 2,4-Dinitrotoluene	9.87	165	40885	6.434	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	18526	3.155	ng	# 1
75) Fluoranthene	12.57	202	66798	2.275	ng	99
78) Pyrene	12.80	202	56759	2.384	ng	98
88) Benzo(b)fluoranthene	15.04	252	43719	2.100	ng	# 97
89) Benzo(k)fluoranthene	15.04	252	43719	2.156	ng	# 96

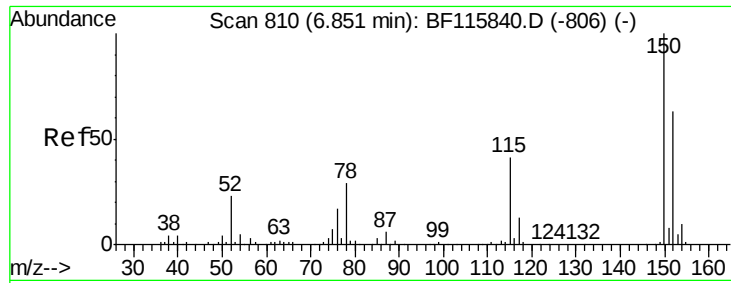
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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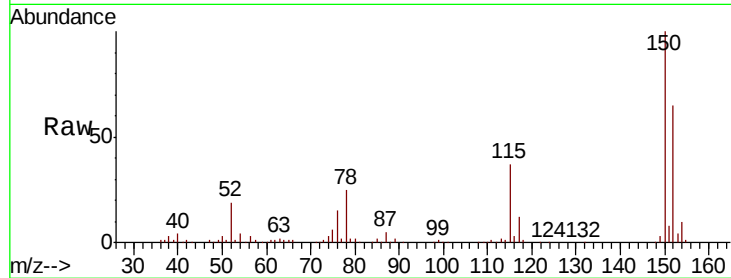


#1

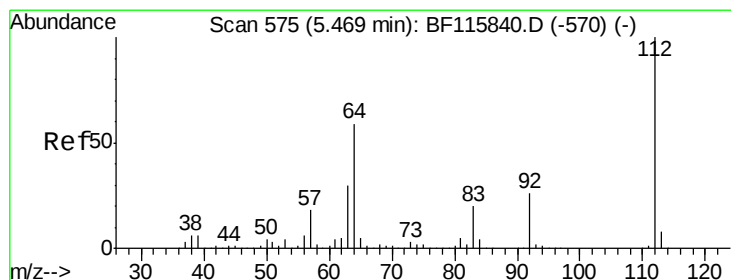
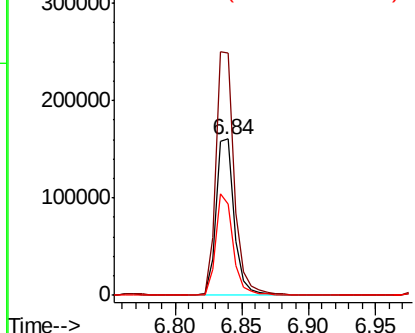
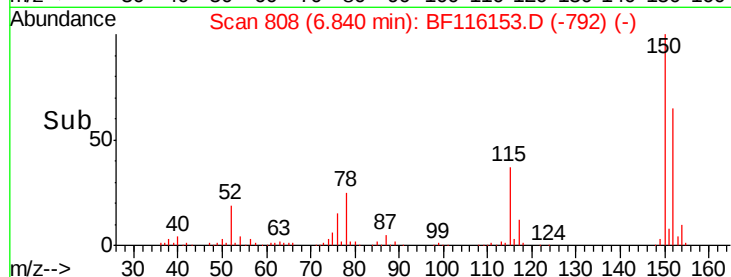
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116153.D
Acq: 10 Aug 2019 17:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 156833
Ion Ratio Lower Upper
152 100
150 154.7 126.2 189.2
115 58.0 49.9 74.9



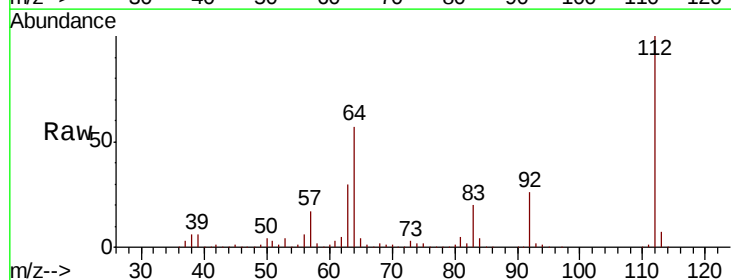
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



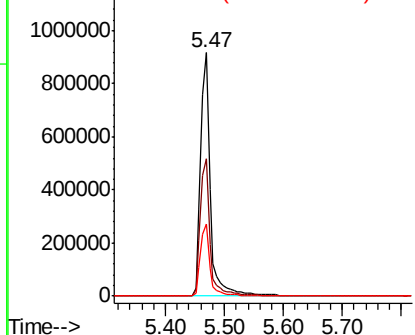
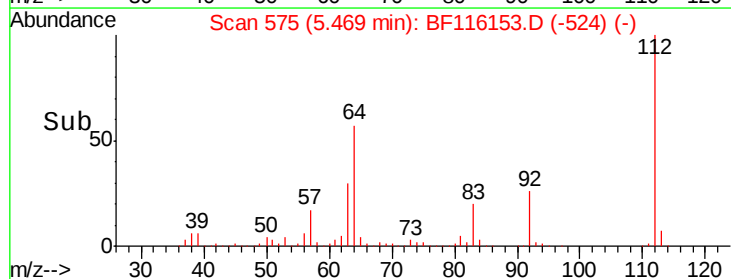
#5

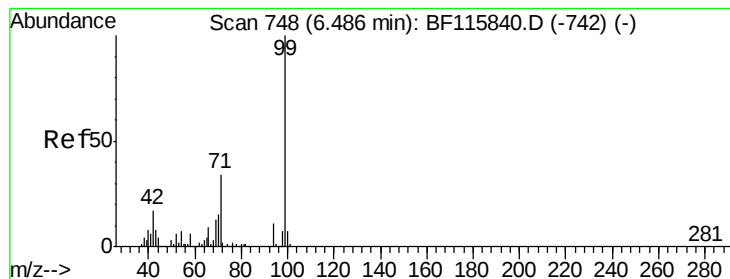
2-Fluorophenol
Concen: 111.014 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.00 min
Lab File: BF116153.D
Acq: 10 Aug 2019 17:14

Tgt Ion:112 Resp: 1040026
Ion Ratio Lower Upper
112 100
64 56.6 45.4 68.2
63 29.7 23.7 35.5



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: 114.785 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116153.D

Acq: 10 Aug 2019 17:14

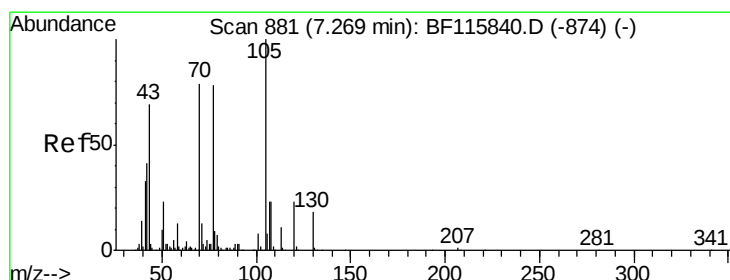
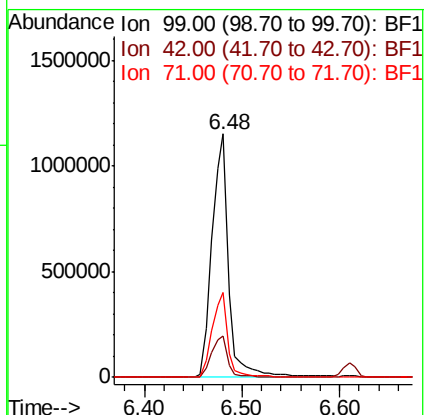
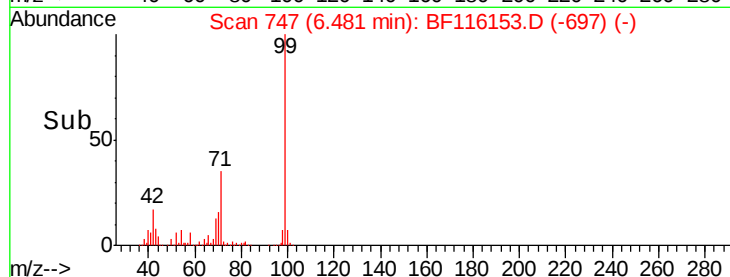
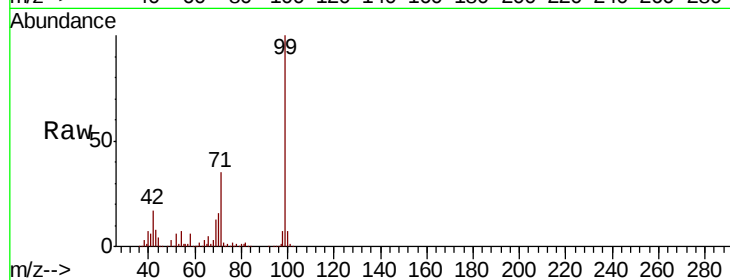
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1356742

Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.8	20.8
71	34.9	27.3	40.9



#19

n-Nitroso-di-n-propylamine

Concen: 16.414 ng

RT: 7.40 min Scan# 904

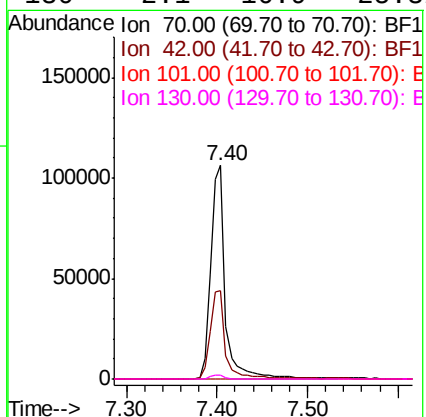
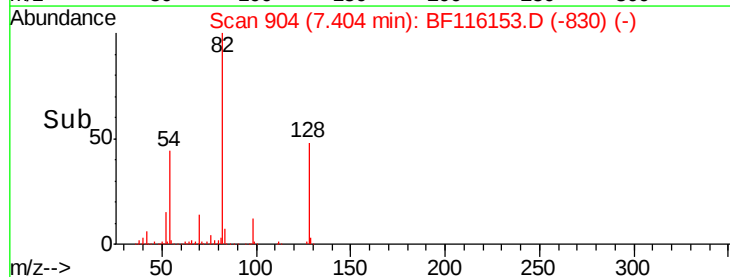
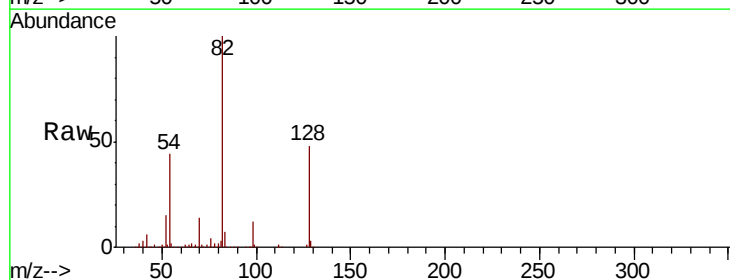
Delta R.T. 0.14 min

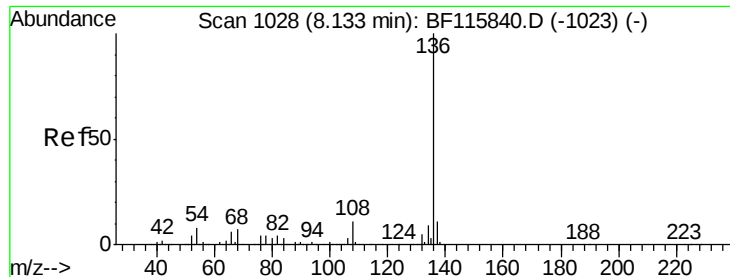
Lab File: BF116153.D

Acq: 10 Aug 2019 17:14

Tgt Ion: 70 Resp: 120225

Ion	Ratio	Lower	Upper
70	100		
42	41.2	40.9	61.3
101	0.0	7.9	11.9#
130	2.1	16.9	25.3#

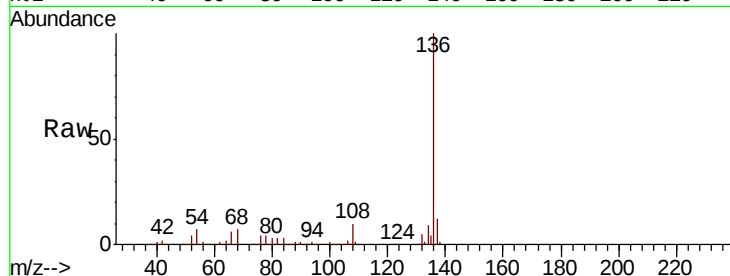




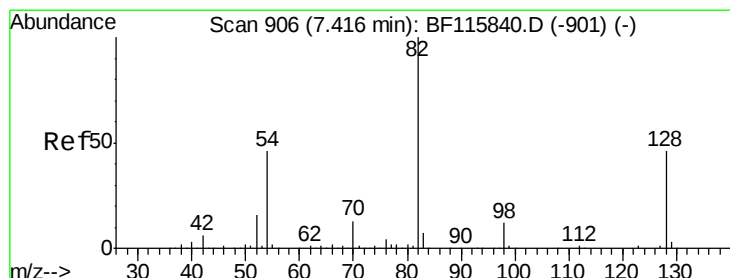
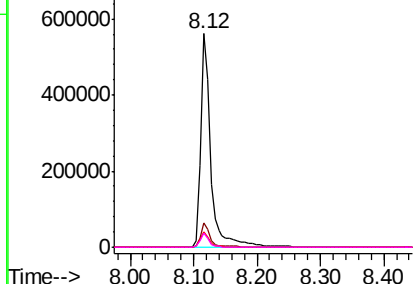
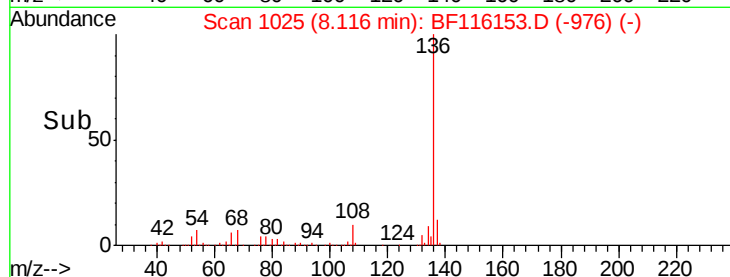
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF116153.D
Acq: 10 Aug 2019 17:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	611225
Ion	Ratio	Lower Upper
136	100	
137	11.5	9.0 13.4
54	7.5	5.8 8.6
68	6.5	5.2 7.8

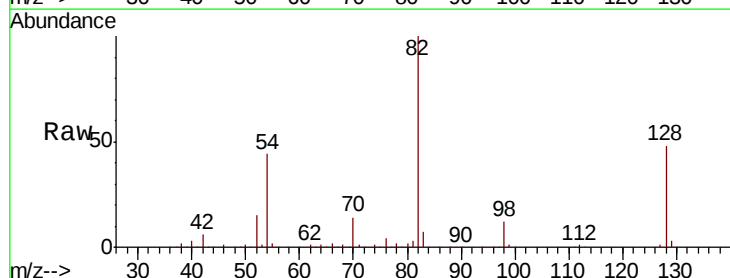


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

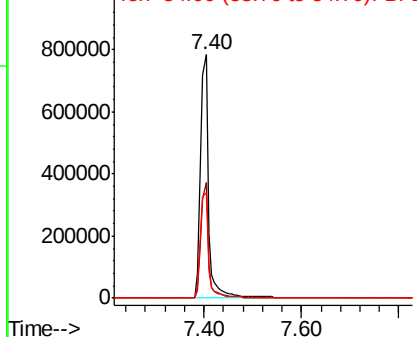
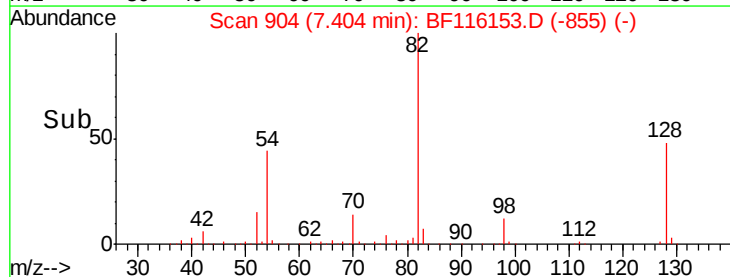


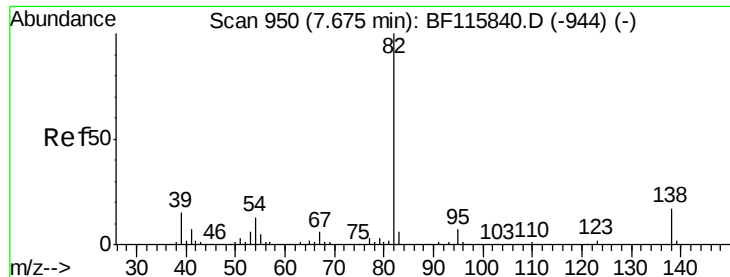
#23
Nitrobenzene-d5
Concen: 84.790 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116153.D
Acq: 10 Aug 2019 17:14

Tgt Ion: 82	Resp:	897832
Ion	Ratio	Lower Upper
82	100	
128	47.6	36.5 54.7
54	43.5	36.0 54.0



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: 44.342 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF116153.D

Acq: 10 Aug 2019 17:14

Instrument :

BNA_F

ClientSampleId :

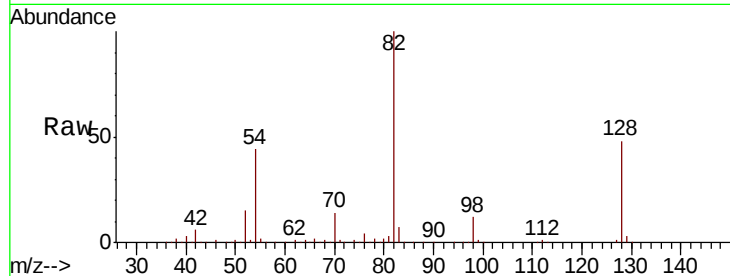
Tot Ion: 82 Resp: 897827

Ion Ratio Lower Upper

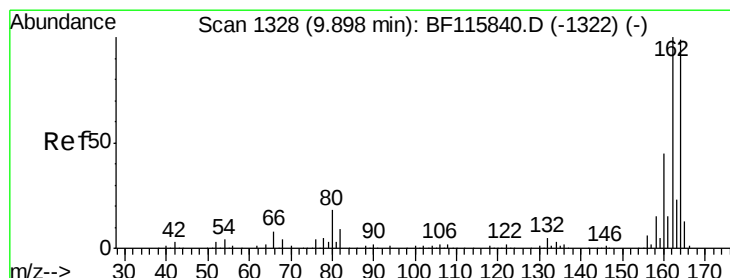
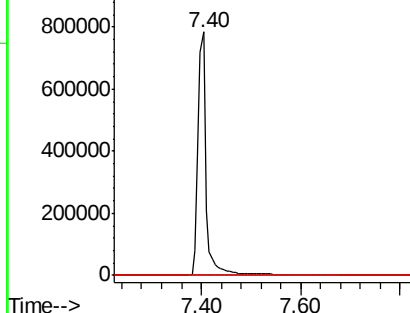
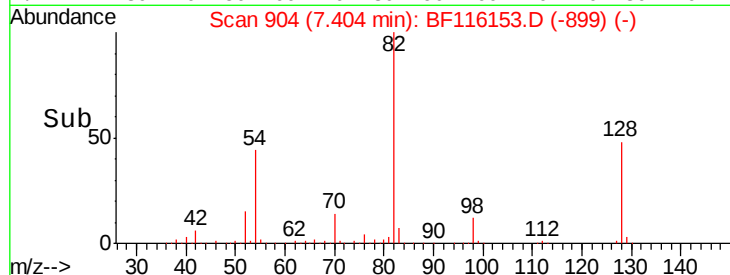
82 100

95 0.0 5.4 8.0#

138 0.0 14.5 21.7#



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: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116153.D

Acq: 10 Aug 2019 17:14

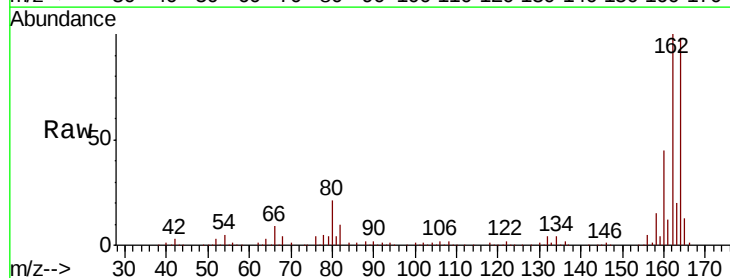
Tgt Ion: 164 Resp: 322530

Ion Ratio Lower Upper

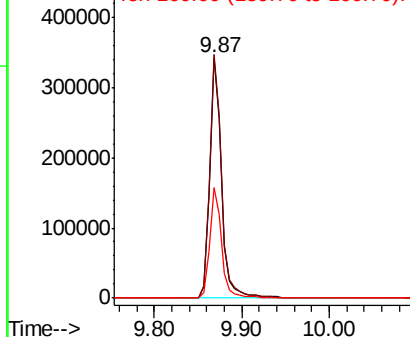
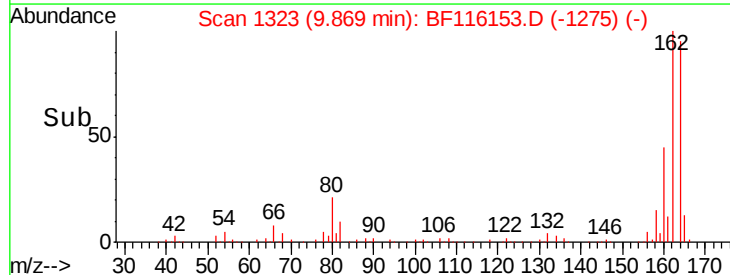
164 100

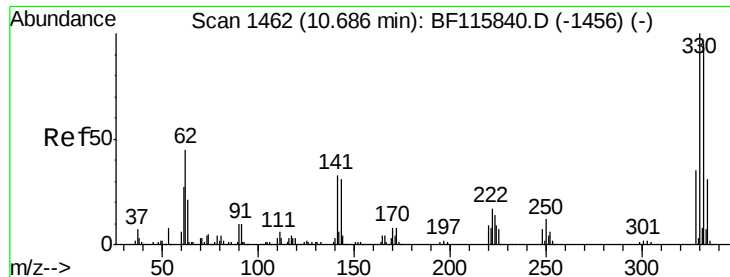
162 101.5 82.6 124.0

160 45.9 37.6 56.4



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: 94.844 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116153.D

Acq: 10 Aug 2019 17:14

Instrument :

BNA_F

ClientSampleId :

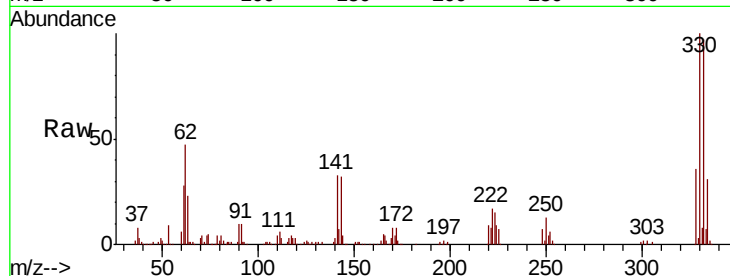
Tot Ion:330 Resp: 296580

Ion Ratio Lower Upper

330 100

332 97.3 76.8 115.2

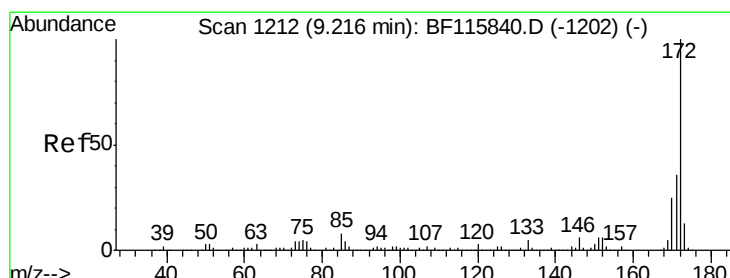
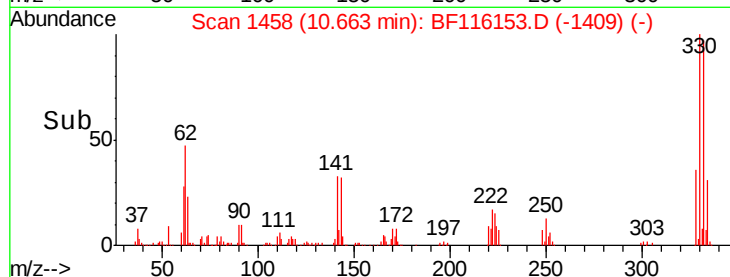
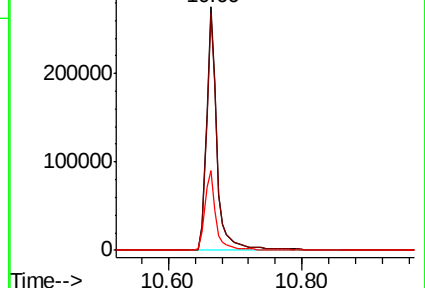
141 34.0 26.3 39.5



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: 86.698 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF116153.D

Acq: 10 Aug 2019 17:14

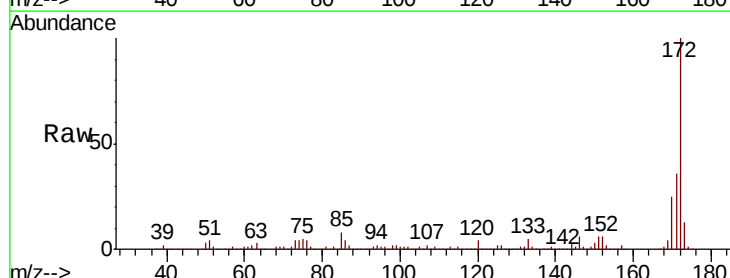
Tgt Ion:172 Resp: 1492873

Ion Ratio Lower Upper

172 100

171 36.4 29.6 44.4

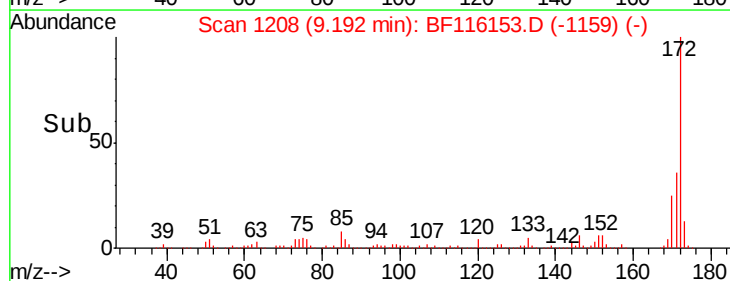
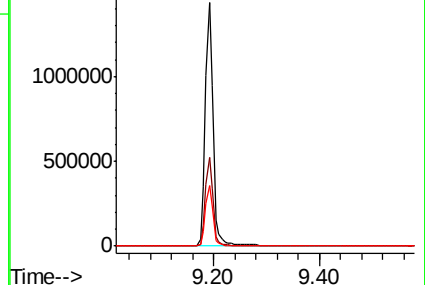
170 24.8 20.1 30.1

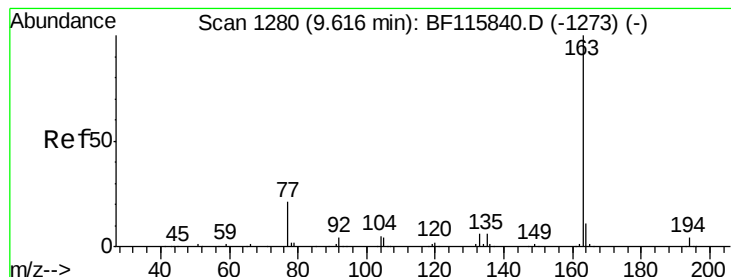


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 6.868 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.02 min

Lab File: BF116153.D

Acq: 10 Aug 2019 17:14

Instrument :

BNA_F

ClientSampleId :

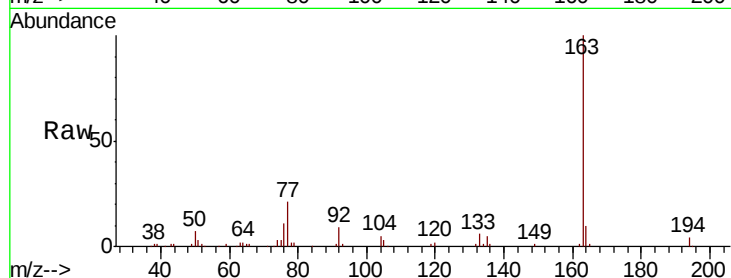
Tot Ion:163 Resp: 150828

Ion Ratio Lower Upper

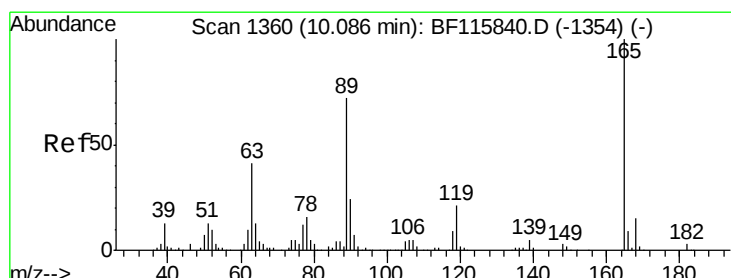
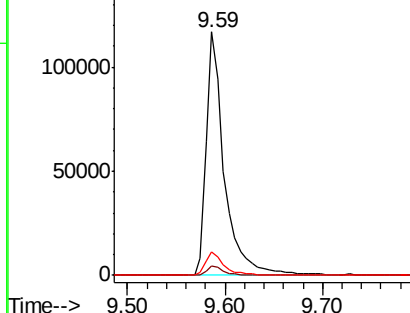
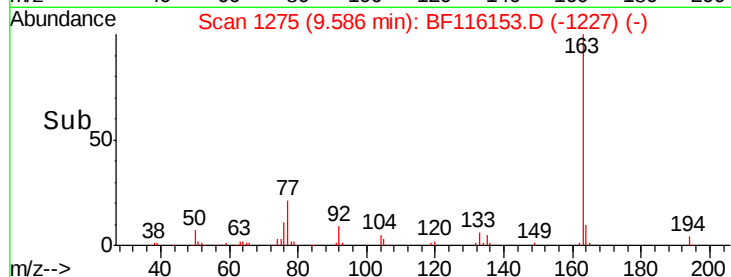
163 100

194 3.7 3.0 4.6

164 9.7 8.4 12.6



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: 6.434 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF116153.D

Acq: 10 Aug 2019 17:14

Tgt Ion:165 Resp: 40885

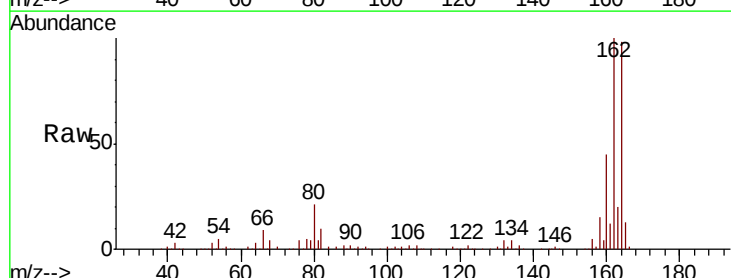
Ion Ratio Lower Upper

165 100

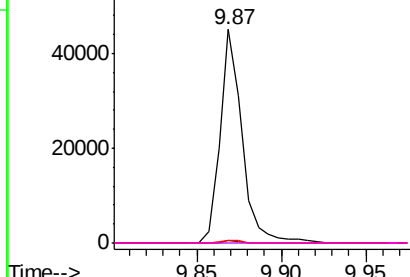
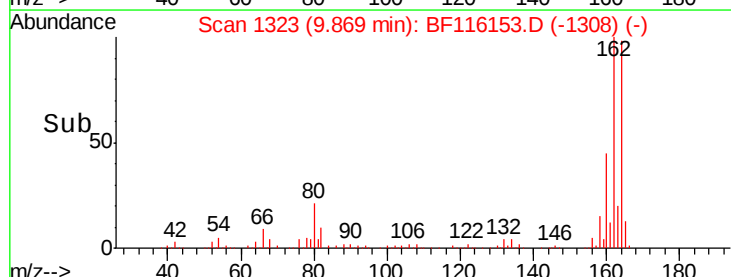
63 1.2 39.6 59.4#

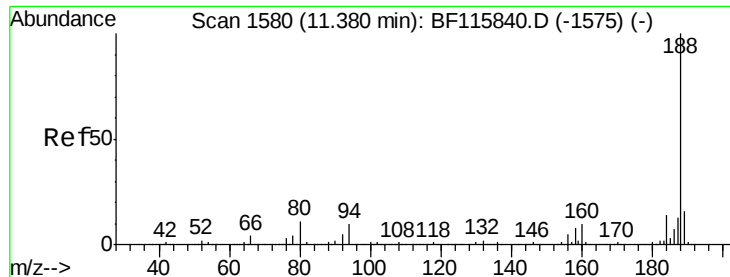
89 1.3 62.2 93.2#

182 0.0 2.1 3.1#



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

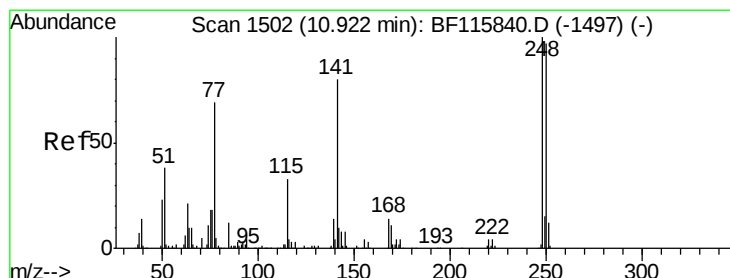
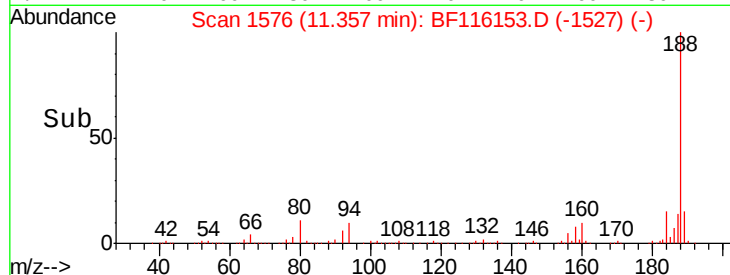
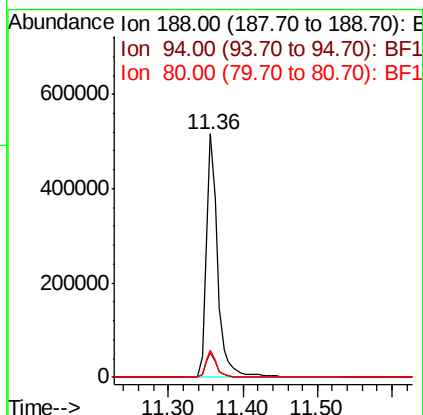
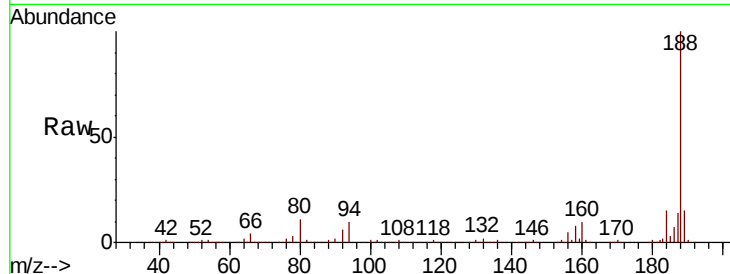




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116153.D
 Acq: 10 Aug 2019 17:14

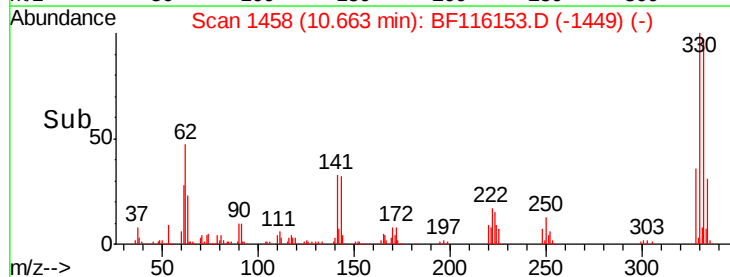
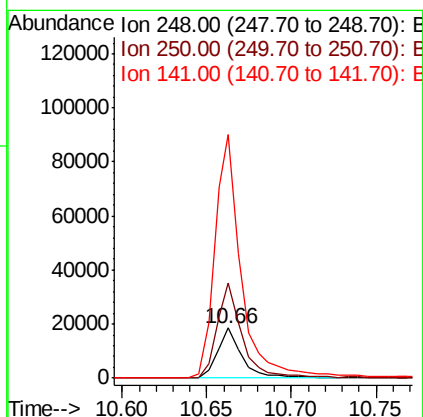
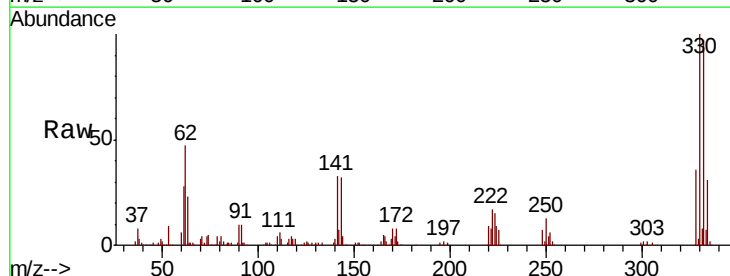
Instrument :
 BNA_F
 ClientSampleId :

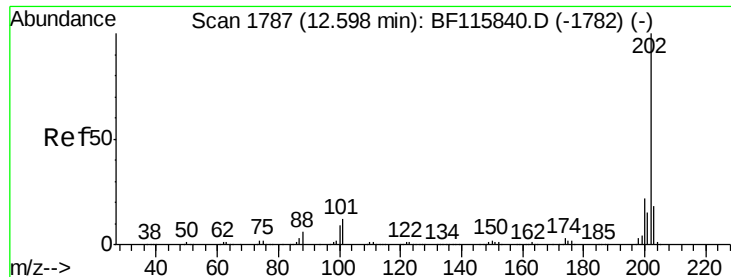
Tot Ion:188 Resp: 548555
 Ion Ratio Lower Upper
 188 100
 94 10.0 8.1 12.1
 80 11.1 8.7 13.1



#67
 4-Bromophenyl-phenylether
 Concen: 3.155 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116153.D
 Acq: 10 Aug 2019 17:14

Tgt Ion:248 Resp: 18526
 Ion Ratio Lower Upper
 248 100
 250 191.8 77.4 116.2#
 141 489.2 56.8 85.2#

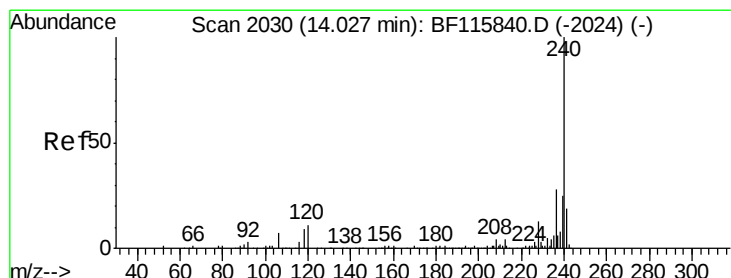
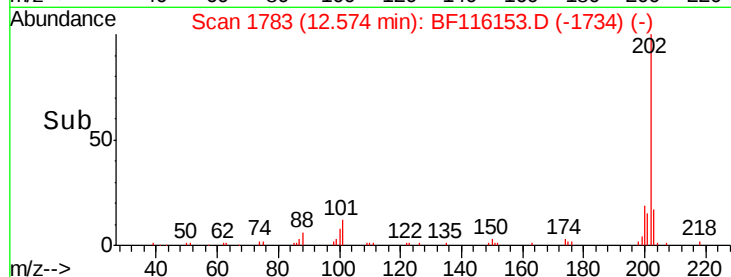
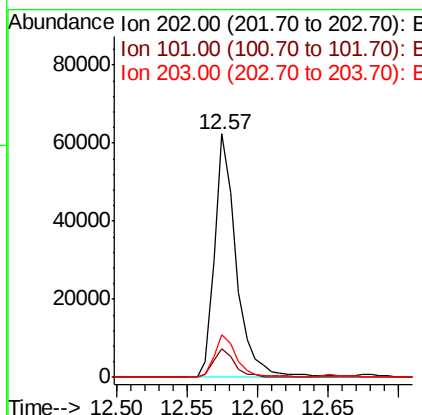
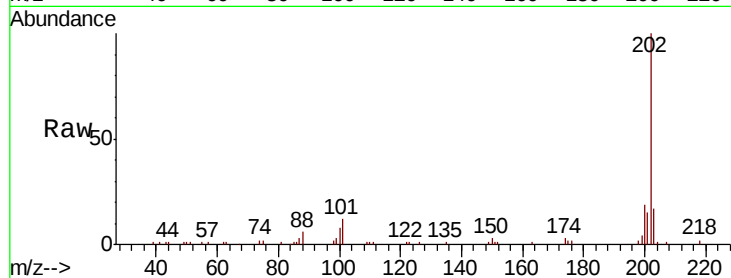




#75
 Fluoranthene
 Concen: 2.275 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: BF116153.D
 Acq: 10 Aug 2019 17:14

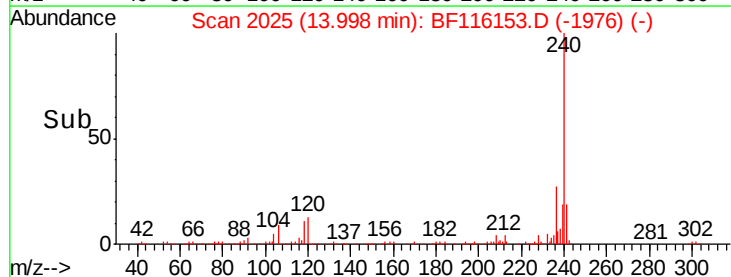
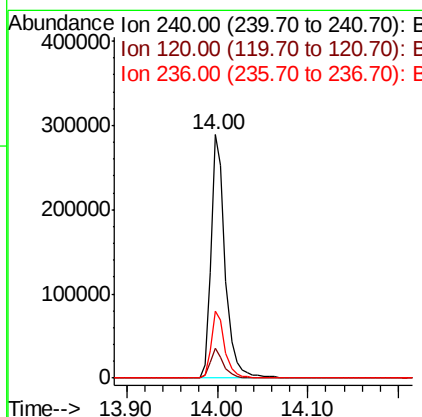
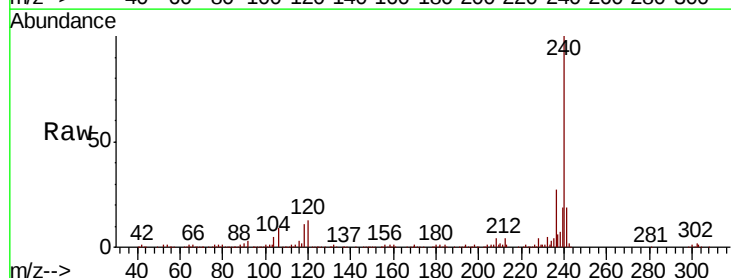
Instrument :
 BNA_F
 ClientSampleId :

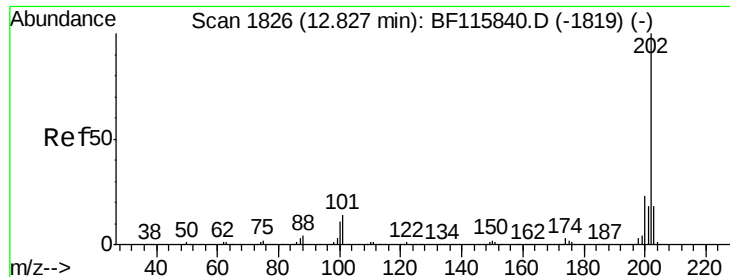
Tot Ion:	202	Resp:	66798
Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	31.2
203	17.5	0.0	37.8



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF116153.D
 Acq: 10 Aug 2019 17:14

Tgt Ion:	240	Resp:	315880
Ion	Ratio	Lower	Upper
240	100		
120	12.5	10.7	16.1
236	27.4	22.2	33.2

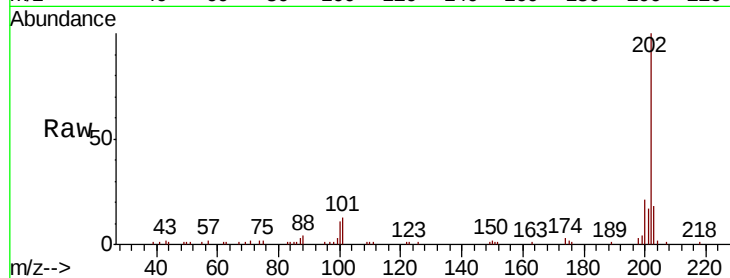




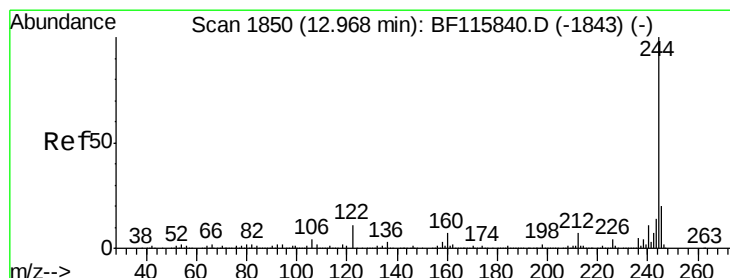
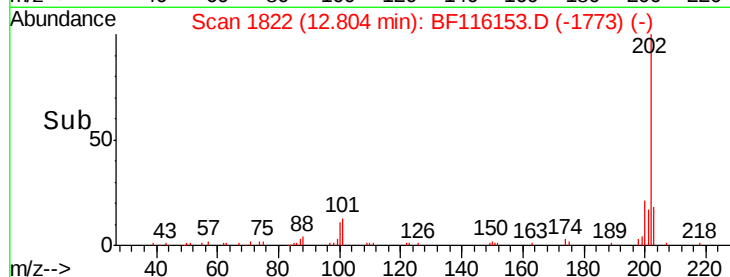
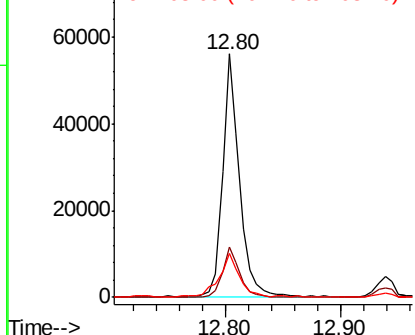
#78
Pvrene
Concen: 2.384 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF116153.D
Acq: 10 Aug 2019 17:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	18.0	27.0
203	18.0	14.1	21.1

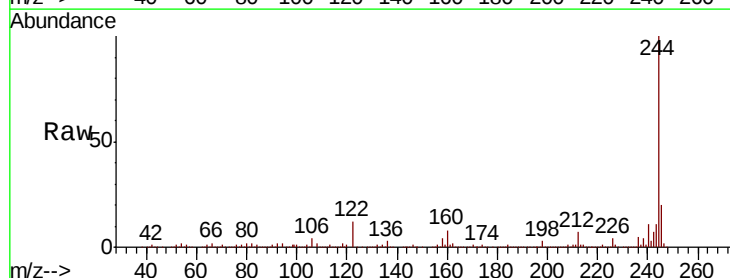


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

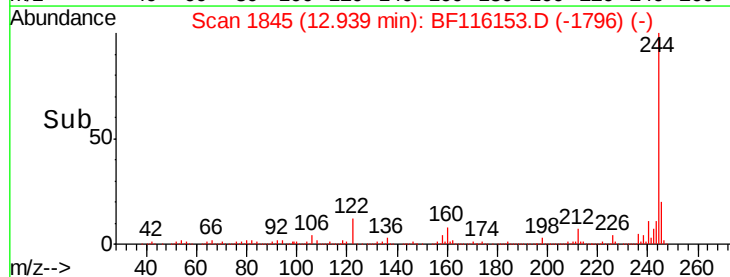
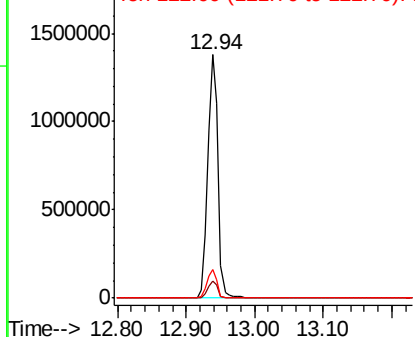


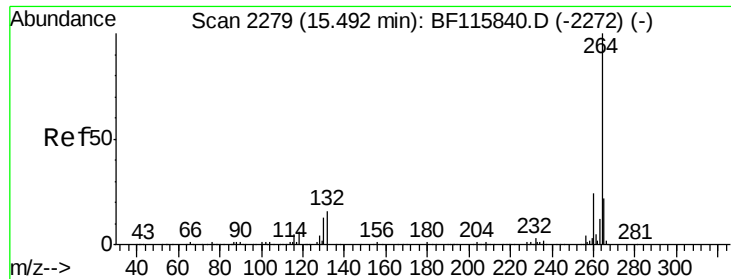
#79
Terphenyl-d14
Concen: 97.356 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF116153.D
Acq: 10 Aug 2019 17:14

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	11.8	9.0	13.4



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

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF116153.D

Acq: 10 Aug 2019 17:14

Instrument :

BNA_F

ClientSampleId :

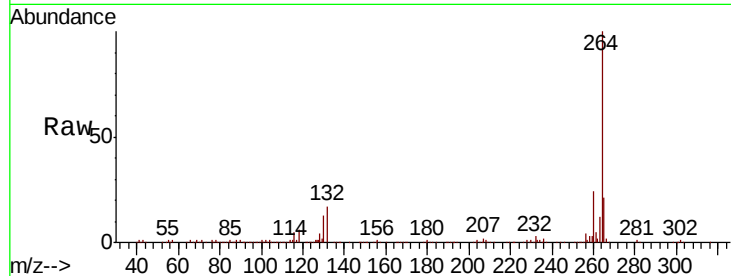
Tot Ion:264 Resp: 360051

Ion Ratio Lower Upper

264 100

260 23.8 19.7 29.5

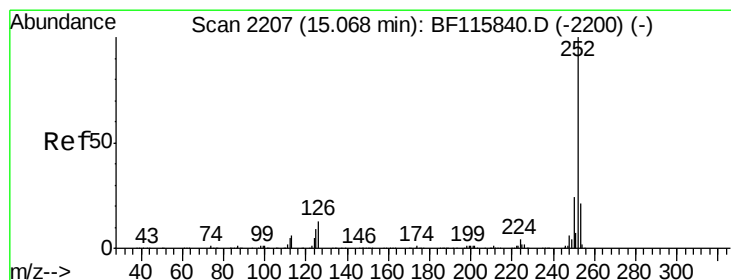
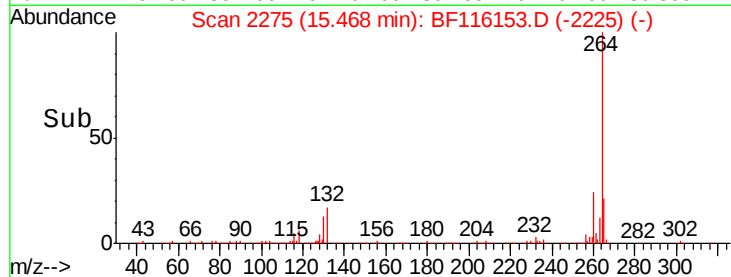
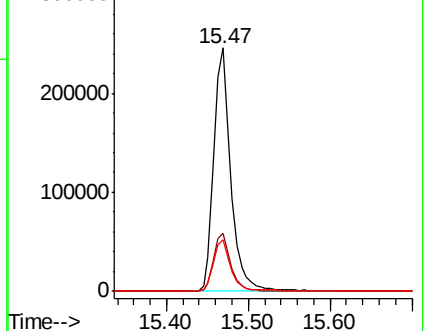
265 21.1 17.4 26.0



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



#88

Benzo(b)fluoranthene

Concen: 2.100 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BF116153.D

Acq: 10 Aug 2019 17:14

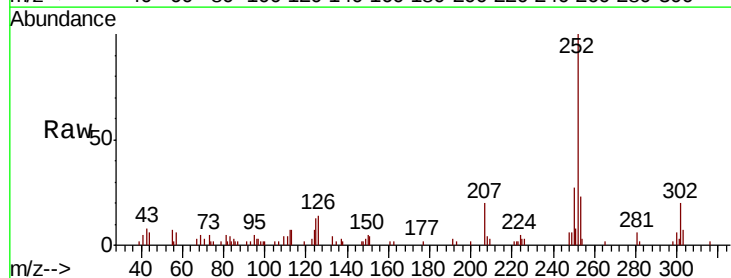
Tgt Ion:252 Resp: 43719

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.8

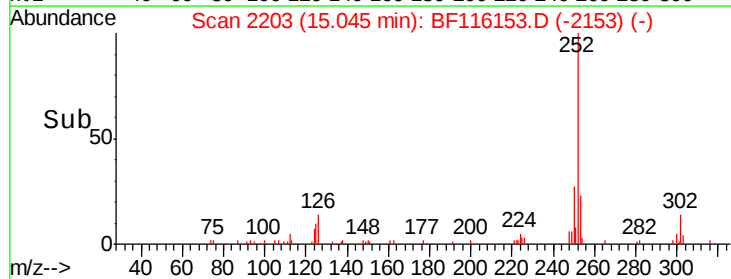
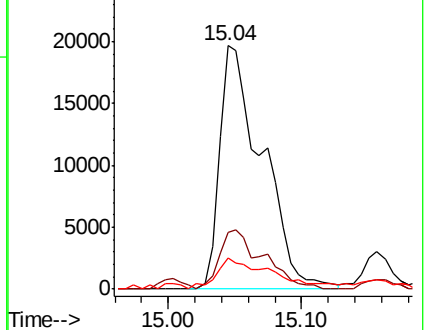
125 12.7 8.4 12.6#

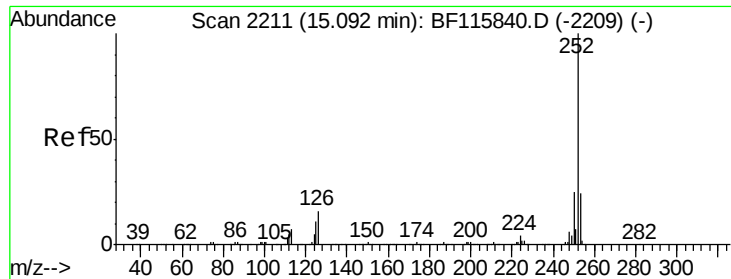


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.156 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.04 min

Lab File: BF116153.D

Acq: 10 Aug 2019 17:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 43719

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.8

125 12.7 7.7 11.5#

