

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030220\
 Data File : BF119173.D
 Acq On : 2 Mar 2020 17:23
 Operator : CG/JU
 Sample : L1723-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 03 07:20:14 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 26 16:03:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	133963	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	513866	20.00	ng	-0.02
39) Acenaphthene-d10	9.76	164	280401	20.00	ng	-0.02
64) Phenanthrene-d10	11.25	188	479103	20.00	ng	-0.01
76) Chrysene-d12	13.89	240	326590	20.00	ng	-0.02
87) Perylene-d12	15.32	264	349689	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	761044	94.94	ng	-0.01
7) Phenol-d6	6.38	99	920187	94.39	ng	-0.02
23) Nitrobenzene-d5	7.30	82	614320	63.12	ng	-0.02
42) 2,4,6-Tribromophenol	10.56	330	309387	84.34	ng	-0.02
45) 2-Fluorobiphenyl	9.09	172	1260542	66.23	ng	-0.02
79) Terphenyl-d14	12.83	244	1316758	69.42	ng	-0.02

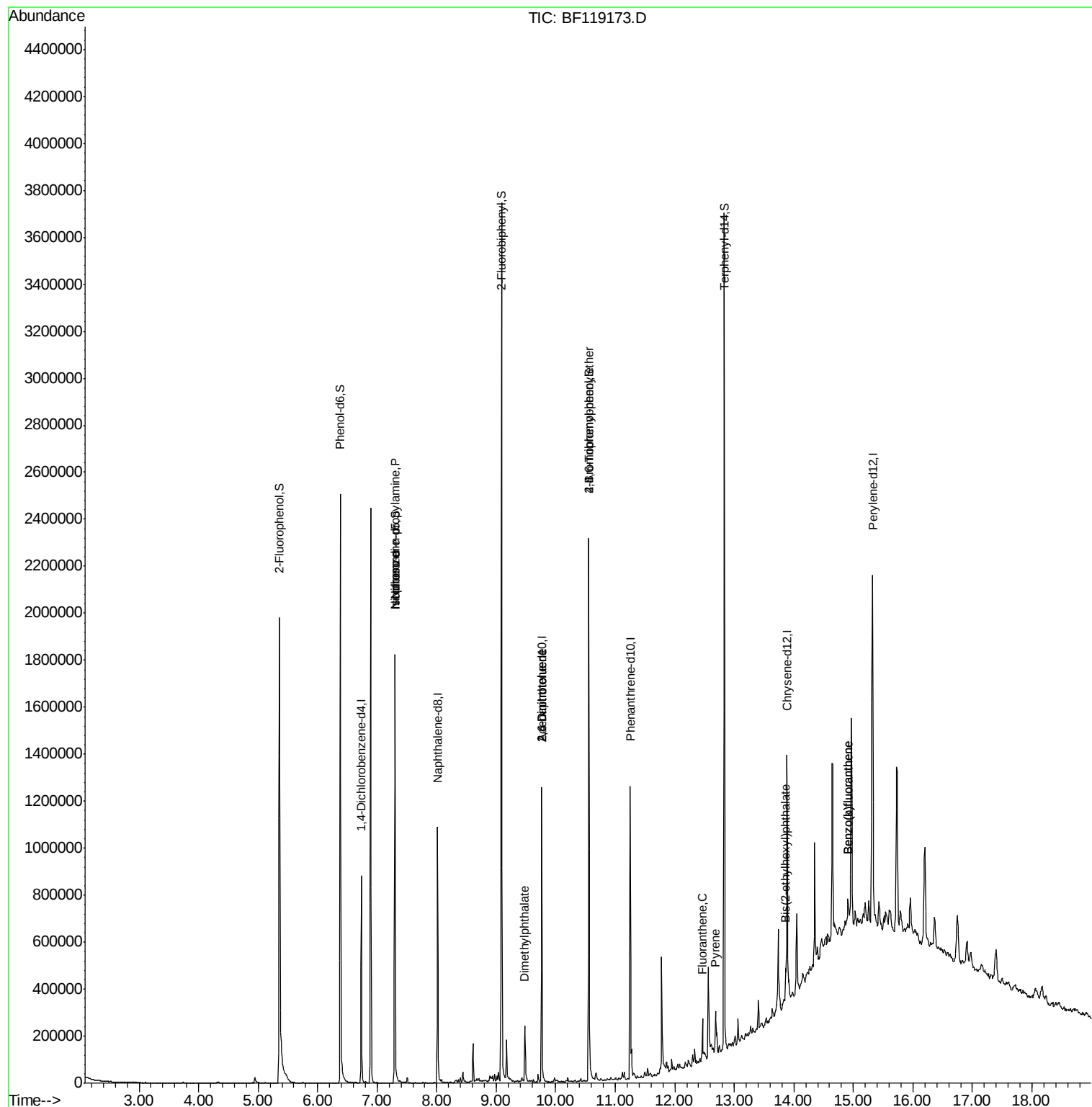
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	85910	15.123	ng	# 74
25) Isophorone	7.30	82	614313	36.345	ng	# 63
50) Dimethylphthalate	9.48	163	99731	4.651	ng	100
51) 2,6-Dinitrotoluene	9.76	165	35563	7.465	ng	# 33
57) 2,4-Dinitrotoluene	9.76	165	35563	5.759	ng	# 21
67) 4-Bromophenyl-phenylether	10.56	248	20295	3.241	ng	# 1
75) Fluoranthene	12.46	202	76147	2.746	ng	98
78) Pyrene	12.69	202	68000	2.593	ng	98
84) Bis(2-ethylhexyl)phthalate	13.86	149	45215	3.243	ng	99
88) Benzo(b)fluoranthene	14.91	252	66458	2.883	ng	# 72
89) Benzo(k)fluoranthene	14.91	252	66458	3.111	ng	# 72

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

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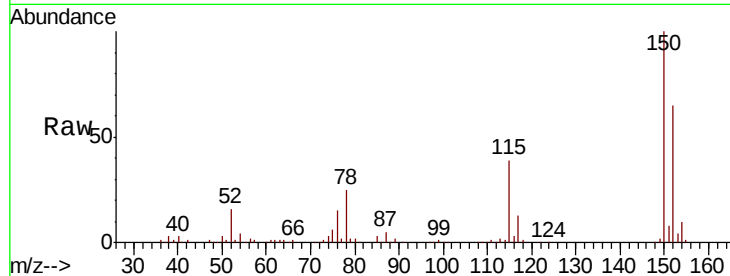


#1

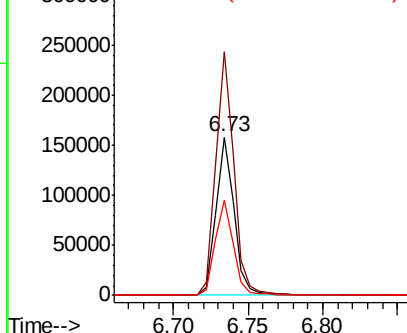
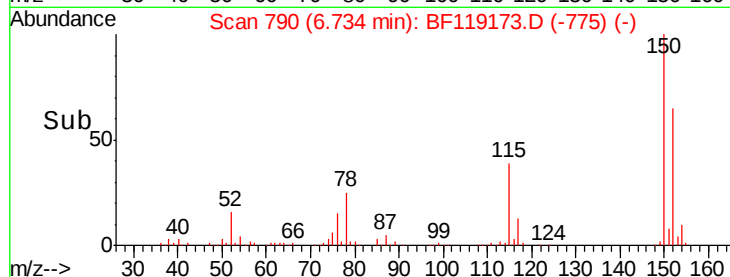
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF119173.D
Acq: 2 Mar 2020 17:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 133963
Ion Ratio Lower Upper
152 100
150 154.2 123.0 184.6
115 60.2 49.5 74.3



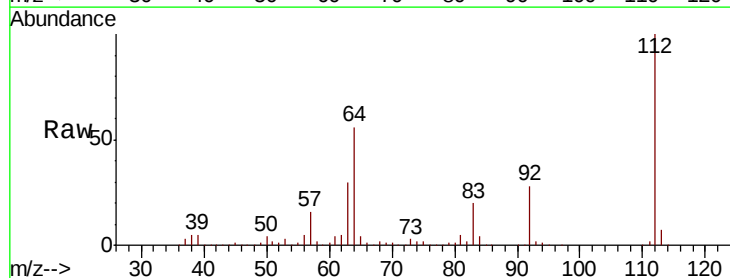
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



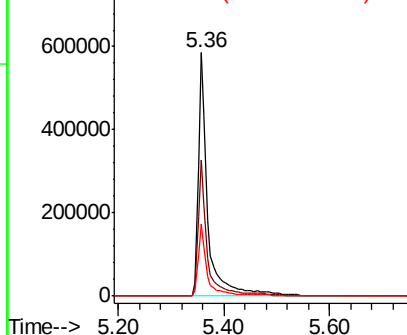
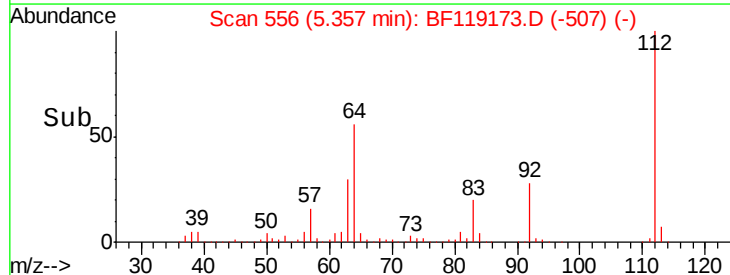
#5

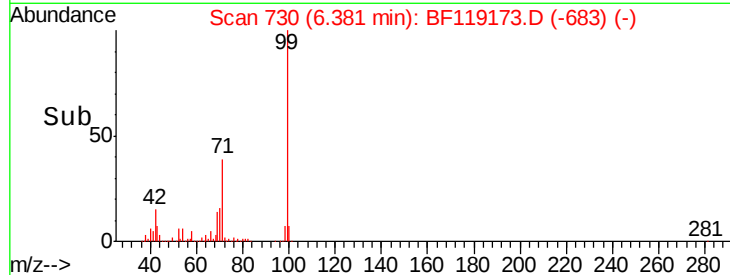
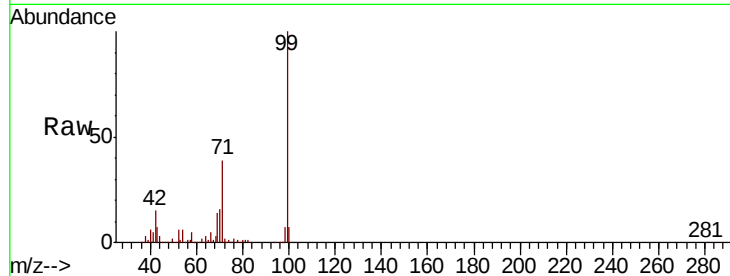
2-Fluorophenol
Concen: 94.940 ng
RT: 5.36 min Scan# 556
Delta R.T. -0.01 min
Lab File: BF119173.D
Acq: 2 Mar 2020 17:23

Tgt Ion:112 Resp: 761044
Ion Ratio Lower Upper
112 100
64 55.9 45.0 67.4
63 29.7 24.2 36.4



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: 94.387 ng

RT: 6.38 min Scan# 730

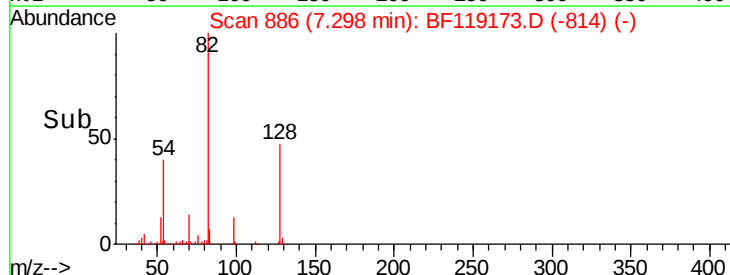
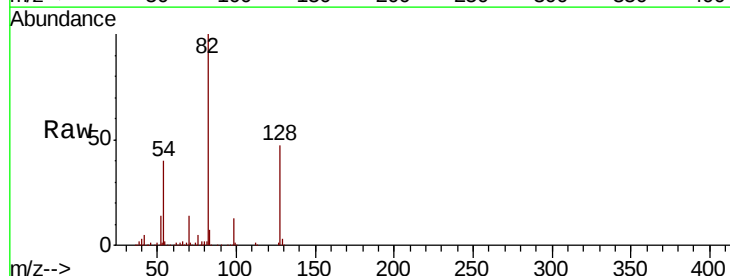
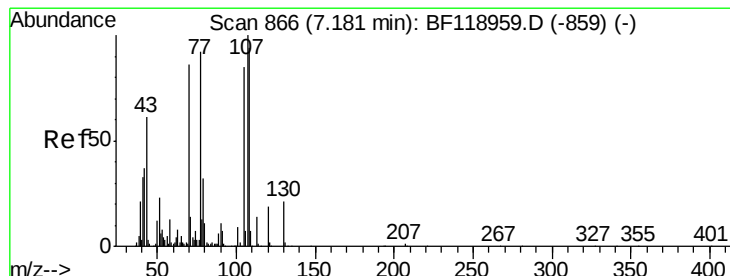
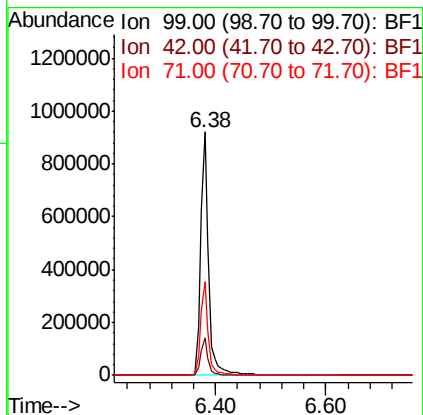
Delta R.T. -0.02 min

Lab File: BF119173.D

Acq: 2 Mar 2020 17:23

Tot Ion	Ratio	Lower	Upper
99	100		
42	15.4	12.6	18.8
71	38.8	31.0	46.4

Instrument :
BNA_F
ClientSampleId :



#19

n-Nitroso-di-n-propylamine

Concen: 15.123 ng

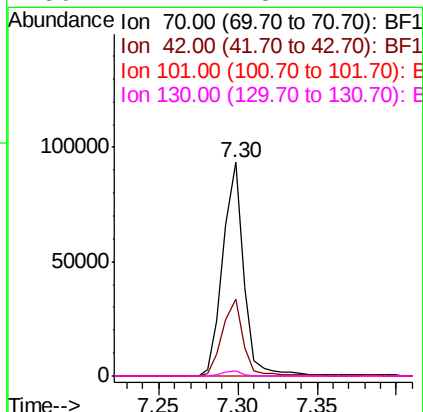
RT: 7.30 min Scan# 886

Delta R.T. 0.12 min

Lab File: BF119173.D

Acq: 2 Mar 2020 17:23

Tgt Ion	Ratio	Lower	Upper
70	100		
42	36.0	38.0	57.0#
101	0.0	8.2	12.4#
130	2.2	18.2	27.4#

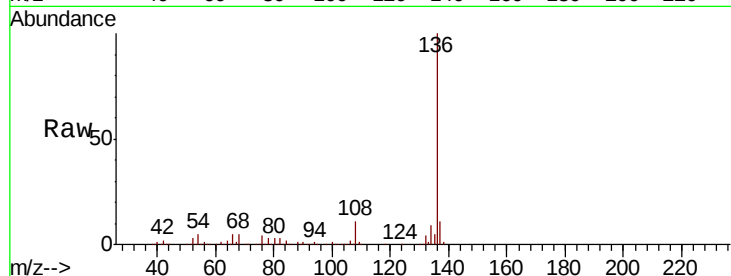




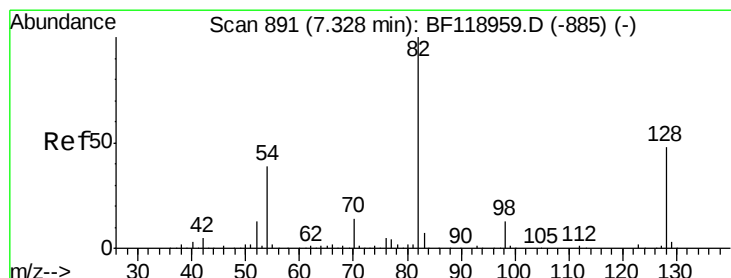
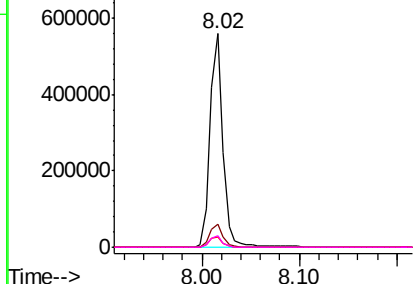
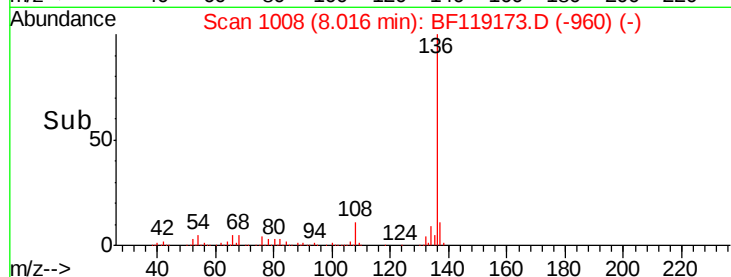
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.02 min
Lab File: BF119173.D
Acq: 2 Mar 2020 17:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	513866
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.8 13.2
54	4.8	3.8 5.6
68	5.2	3.9 5.9

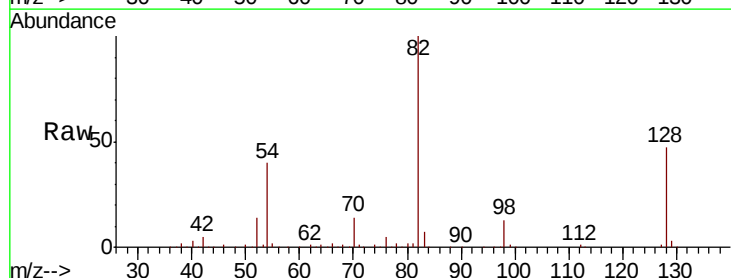


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

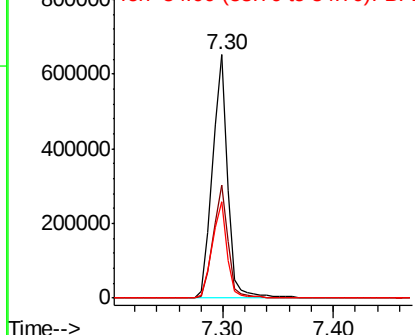
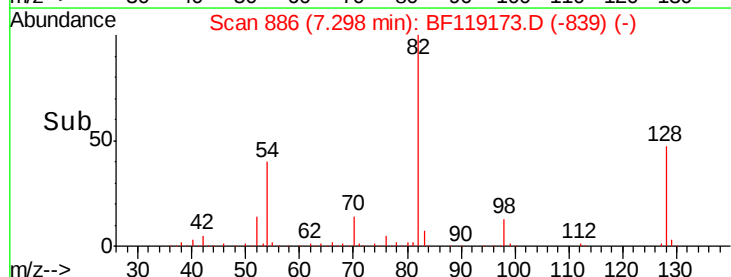


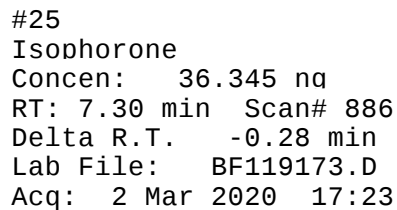
#23
Nitrobenzene-d5
Concen: 63.122 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.02 min
Lab File: BF119173.D
Acq: 2 Mar 2020 17:23

Tgt Ion: 82	Resp:	614320
Ion Ratio	Lower	Upper
82	100	
128	46.6	37.9 56.9
54	39.8	33.4 50.2

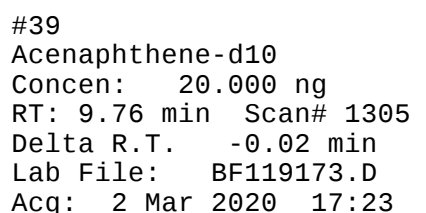
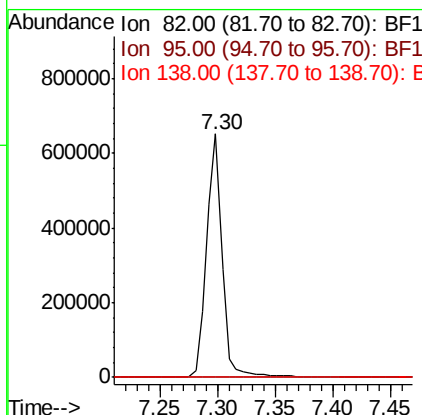
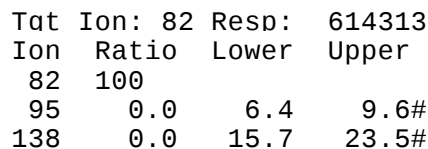


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

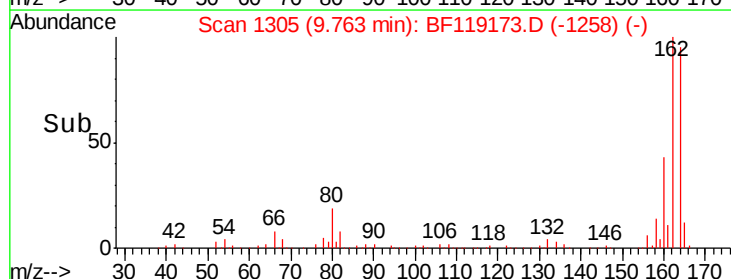
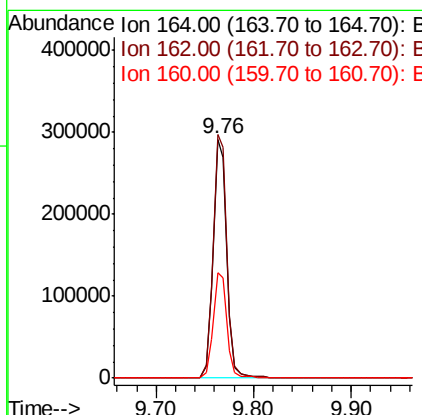


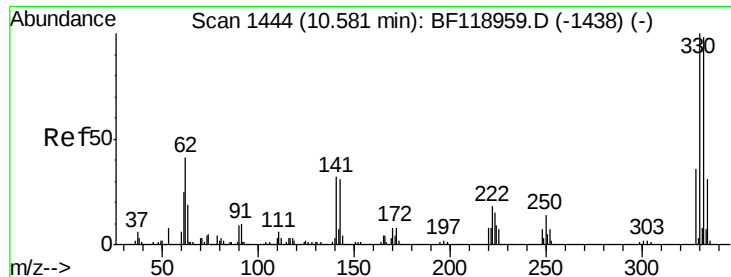


Instrument :
BNA_F
ClientSampleId :



Tgt	Ion:164	Resp:	280401
Ion	Ratio	Lower	Upper
164	100		
162	102.1	81.8	122.8
160	44.3	36.0	54.0

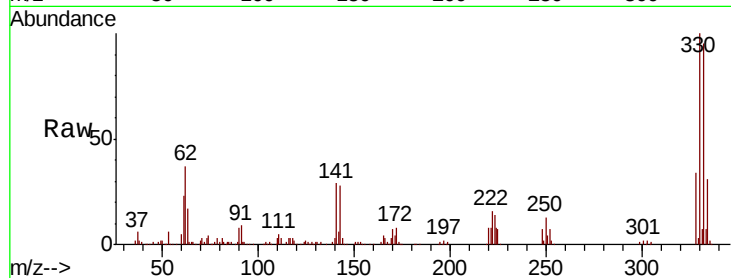




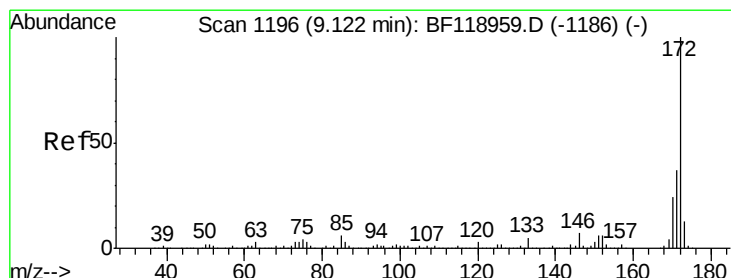
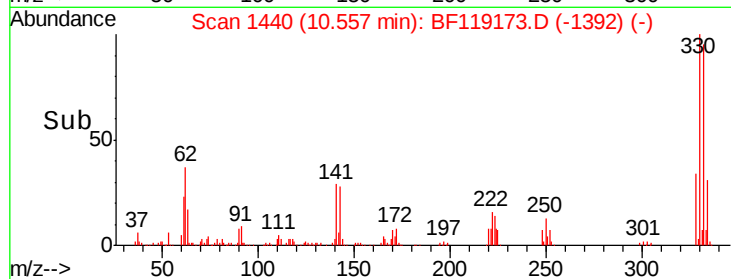
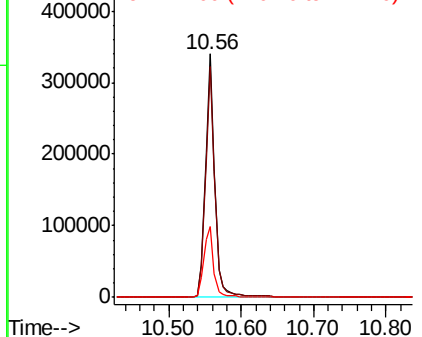
#42
 2,4,6-Tribromophenol
 Concen: 84.345 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF119173.D
 Acq: 2 Mar 2020 17:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.0	114.0
141	30.6	22.9	34.3

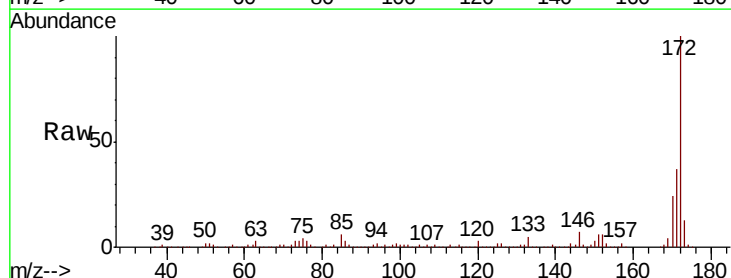


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

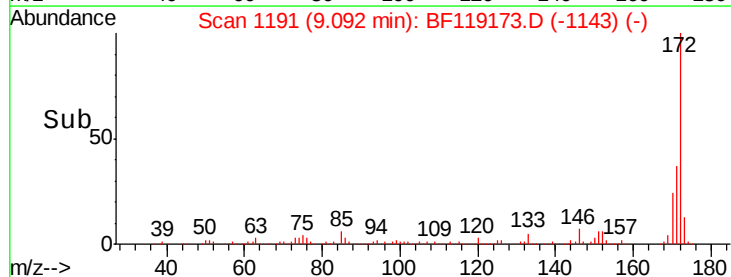
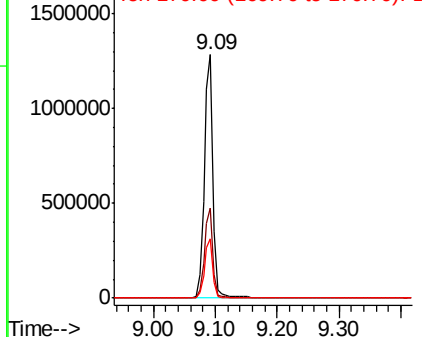


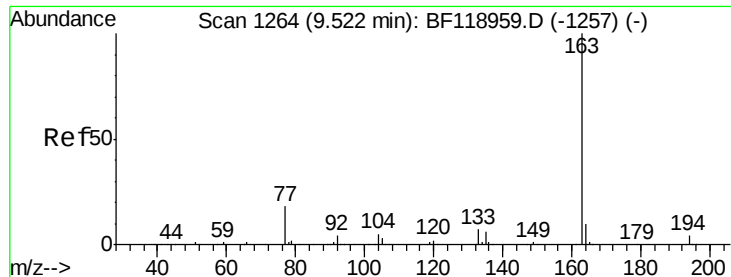
#45
 2-Fluorobiphenyl
 Concen: 66.226 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF119173.D
 Acq: 2 Mar 2020 17:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.6	45.8
170	24.3	20.2	30.2



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: 4.651 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.04 min

Lab File: BF119173.D

Acq: 2 Mar 2020 17:23

Instrument :

BNA_F

ClientSampled :

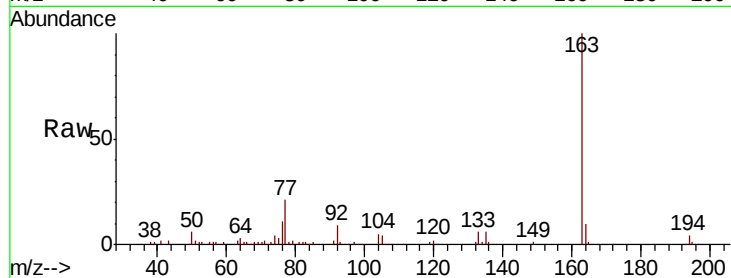
Tot Ion:163 Resp: 99731

Ion Ratio Lower Upper

163 100

194 4.4 3.5 5.3

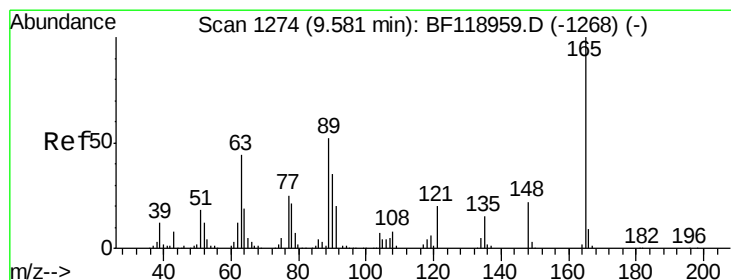
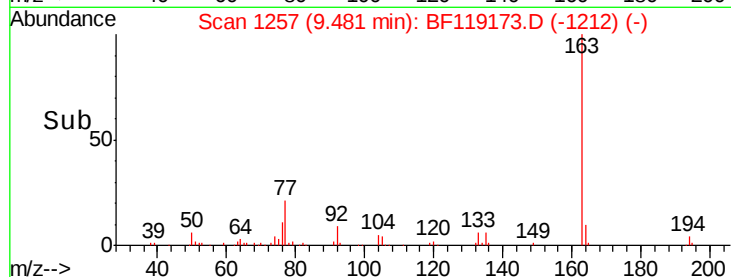
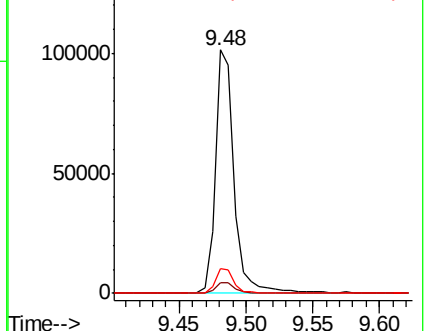
164 10.3 8.4 12.6



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



#51

2,6-Dinitrotoluene

Concen: 7.465 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.18 min

Lab File: BF119173.D

Acq: 2 Mar 2020 17:23

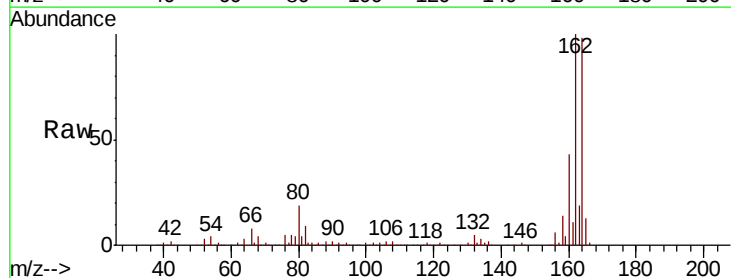
Tgt Ion:165 Resp: 35563

Ion Ratio Lower Upper

165 100

63 1.5 34.3 51.5#

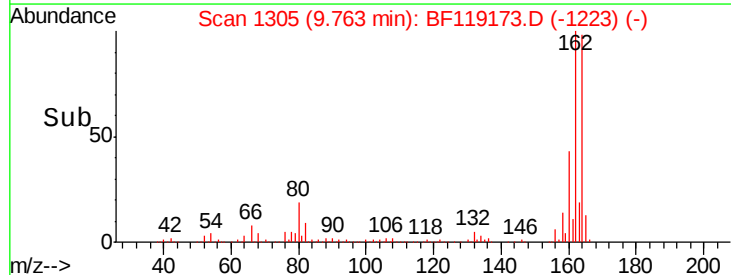
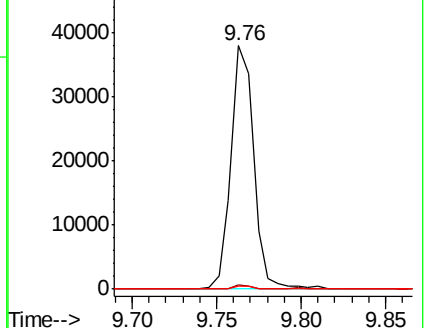
89 1.3 38.3 57.5#



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

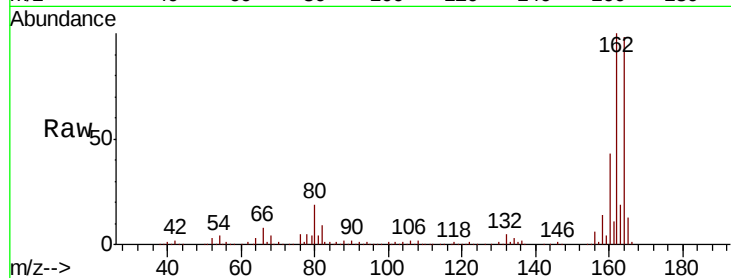




#57
 2,4-Dinitrotoluene
 Concen: 5.759 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.22 min
 Lab File: BF119173.D
 Acq: 2 Mar 2020 17:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	42.3	63.5#
89	1.3	60.2	90.4#
182	0.0	2.3	3.5#



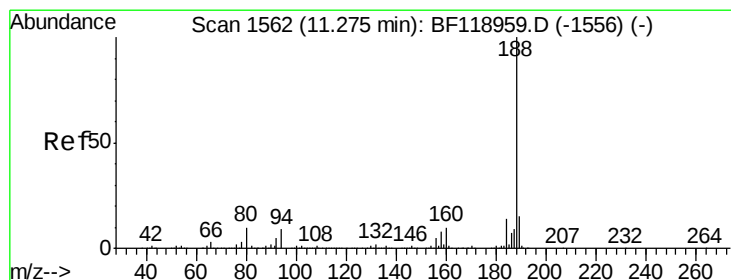
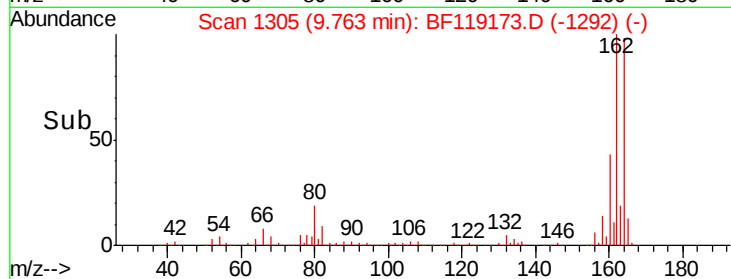
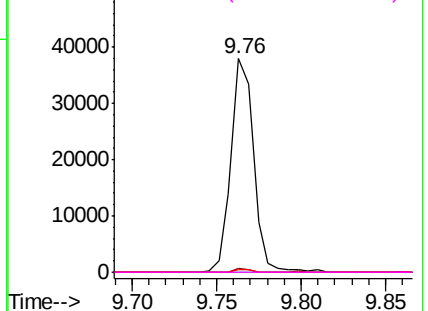
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

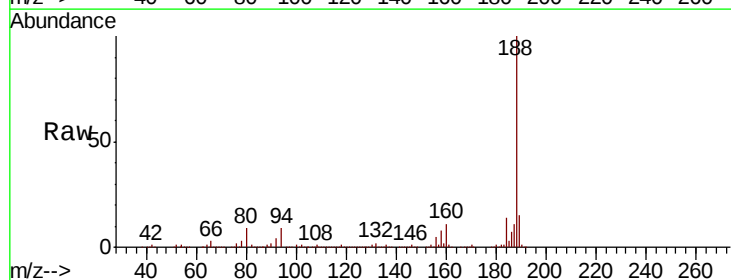
Ion 89.00 (88.70 to 89.70): BF1

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. -0.01 min
 Lab File: BF119173.D
 Acq: 2 Mar 2020 17:23

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.1	10.7
80	8.6	7.8	11.8

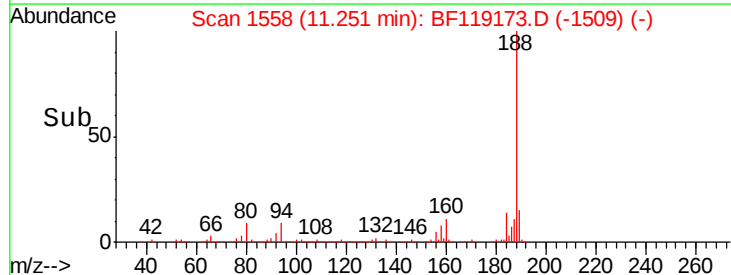
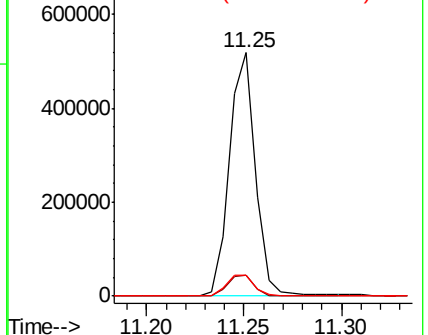


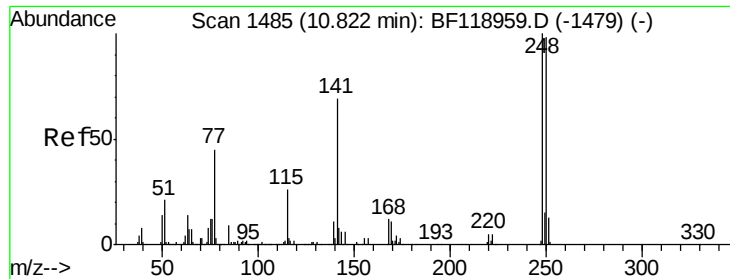
Abundance

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

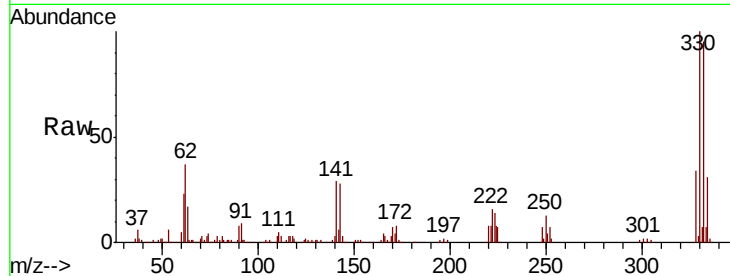




#67
 4-Bromophenyl-phenylether
 Concen: 3.241 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.25 min
 Lab File: BF119173.D
 Acq: 2 Mar 2020 17:23

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	194.6	76.7	115.1#
141	430.4	60.7	91.1#

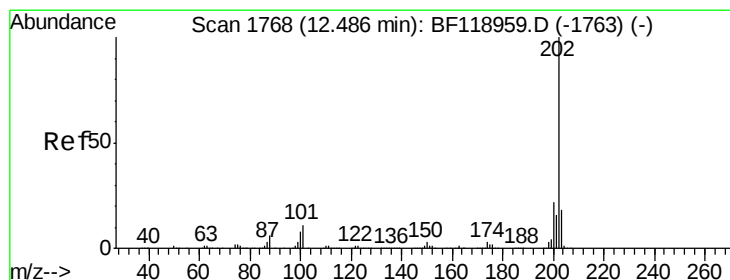
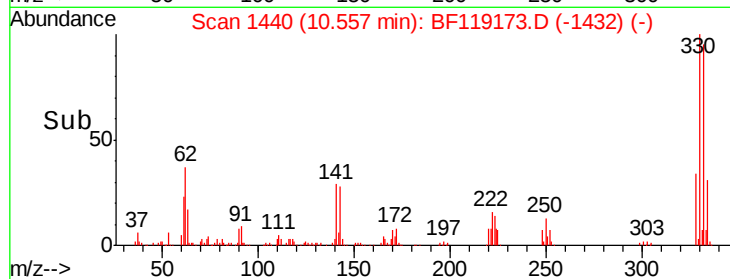
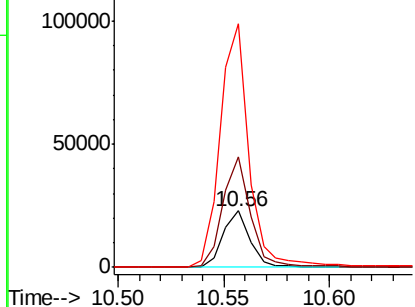


Abundance

Ion 248.00 (247.70 to 248.70): E

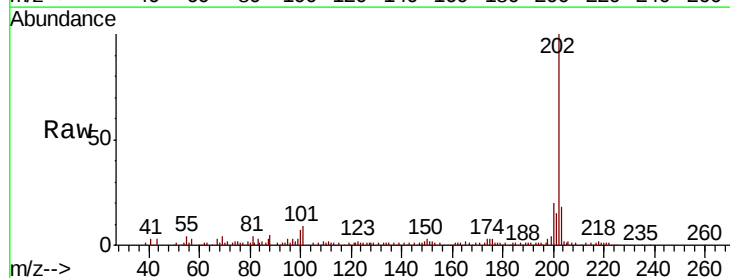
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#75
 Fluoranthene
 Concen: 2.746 ng
 RT: 12.46 min Scan# 1764
 Delta R.T. -0.02 min
 Lab File: BF119173.D
 Acq: 2 Mar 2020 17:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.1	0.0	30.3
203	17.6	0.0	38.4

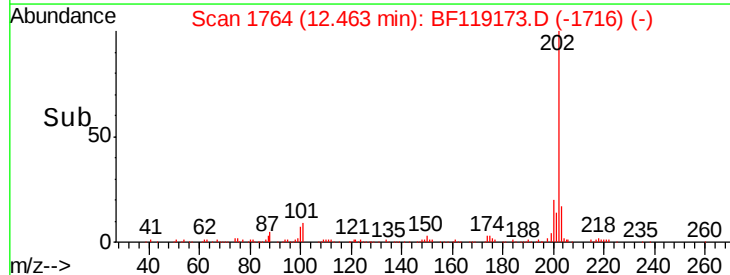
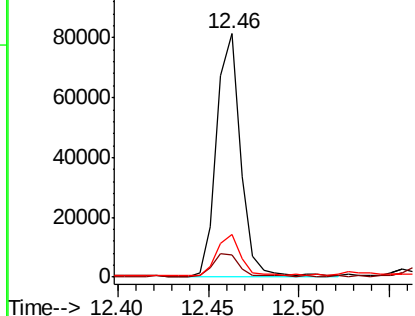


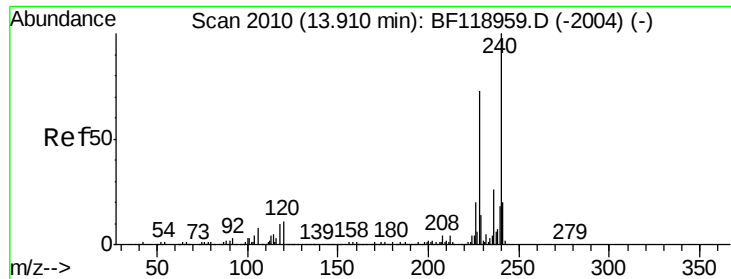
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.02 min

Lab File: BF119173.D

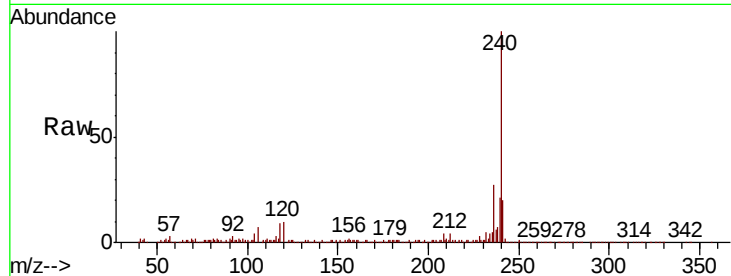
Acq: 2 Mar 2020 17:23

Instrument :

BNA_F

ClientSampled :

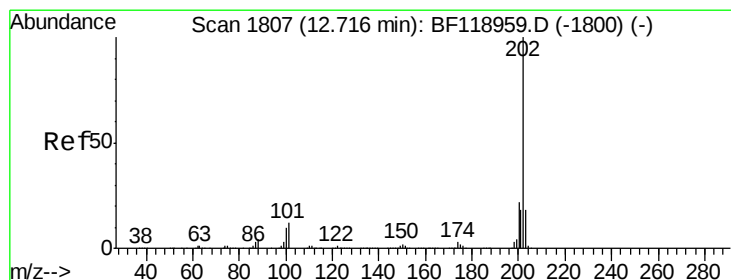
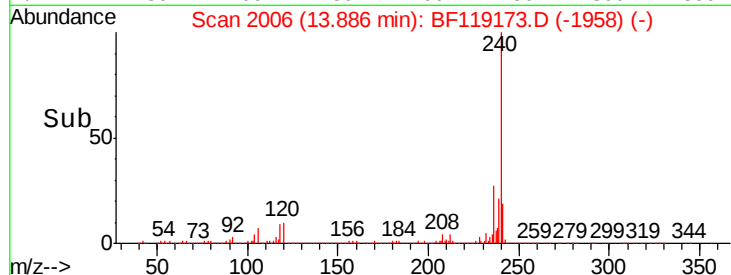
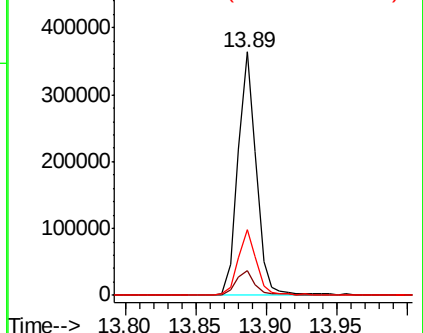
Tot Ion:240	Resp:	326590
Ion Ratio	Lower	Upper
240	100	
120	10.0	8.4 12.6
236	27.1	21.0 31.4



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



#78

Pyrene

Concen: 2.593 ng

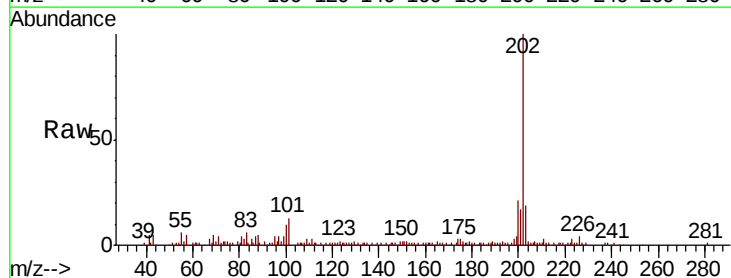
RT: 12.69 min Scan# 1802

Delta R.T. -0.02 min

Lab File: BF119173.D

Acq: 2 Mar 2020 17:23

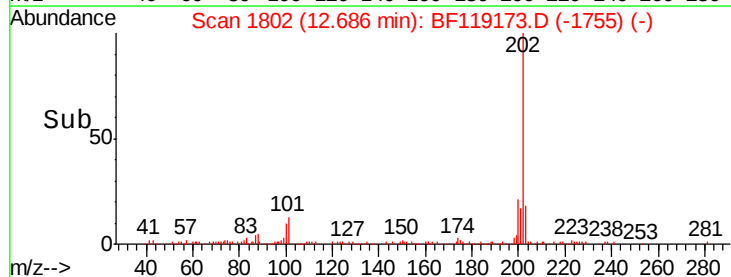
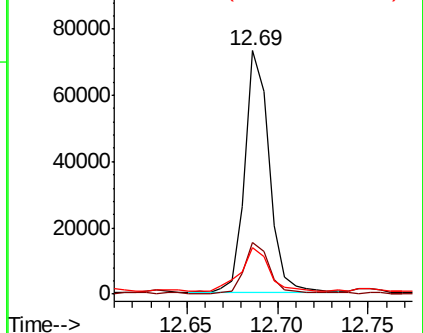
Tgt Ion:202	Resp:	68000
Ion Ratio	Lower	Upper
202	100	
200	21.1	18.0 27.0
203	18.8	14.6 22.0

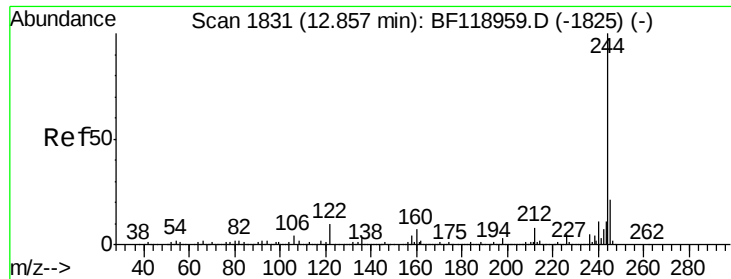


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



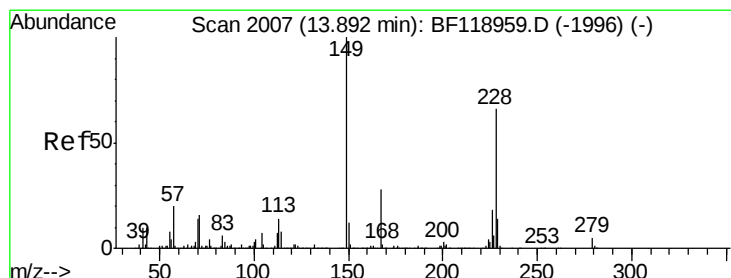
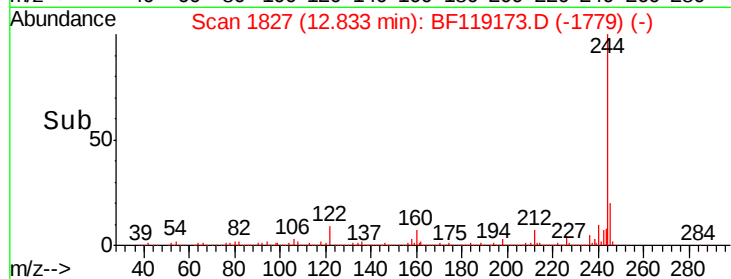
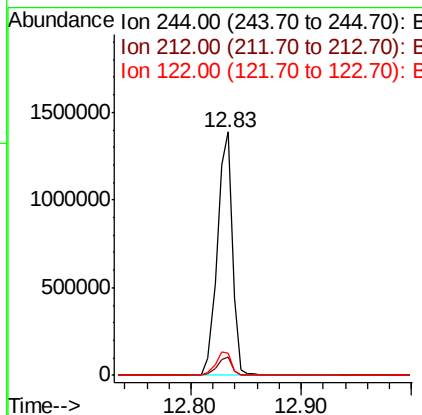
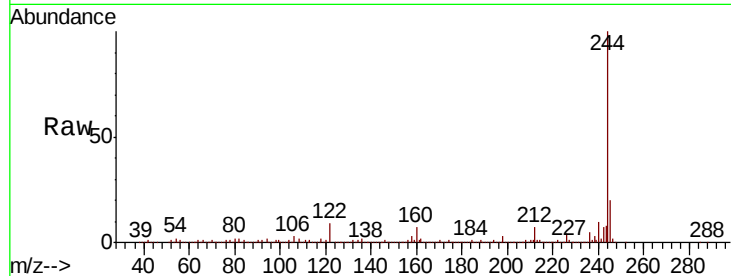


#79
 Terphenyl-d14
 Concen: 69.415 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. -0.02 min
 Lab File: BF119173.D
 Acq: 2 Mar 2020 17:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1316758

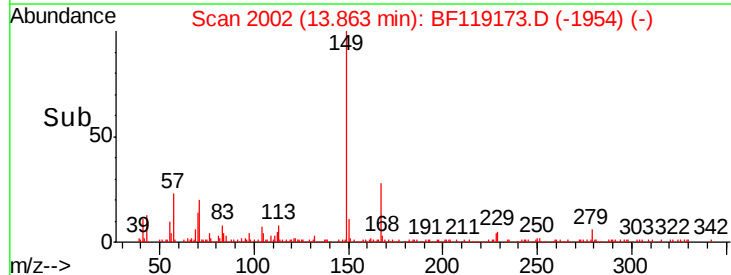
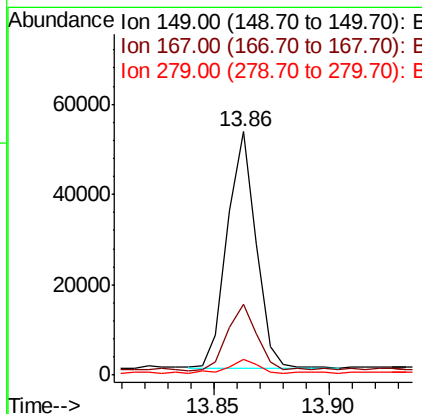
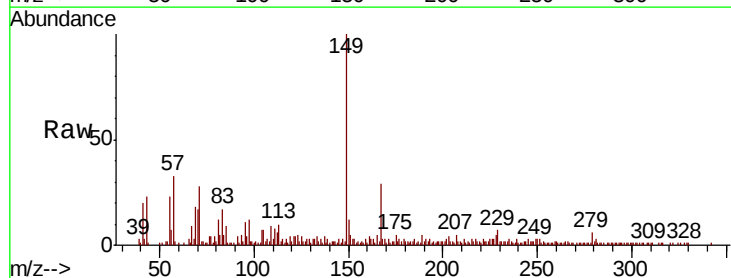
Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.6	10.0
122	9.1	8.2	12.2

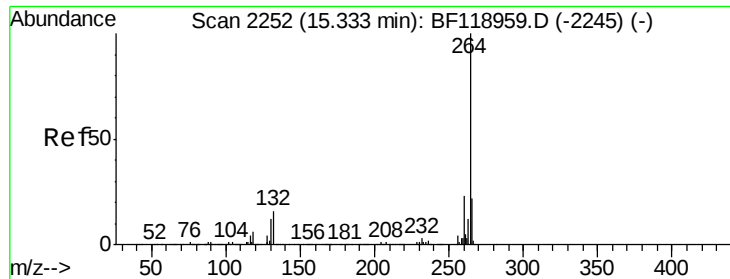


#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.243 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.02 min
 Lab File: BF119173.D
 Acq: 2 Mar 2020 17:23

Tgt Ion:149 Resp: 45215

Ion	Ratio	Lower	Upper
149	100		
167	29.0	22.8	34.2
279	6.2	4.6	6.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.32 min Scan# 2249

Delta R.T. -0.01 min

Lab File: BF119173.D

Acq: 2 Mar 2020 17:23

Instrument :

BNA_F

ClientSampleId :

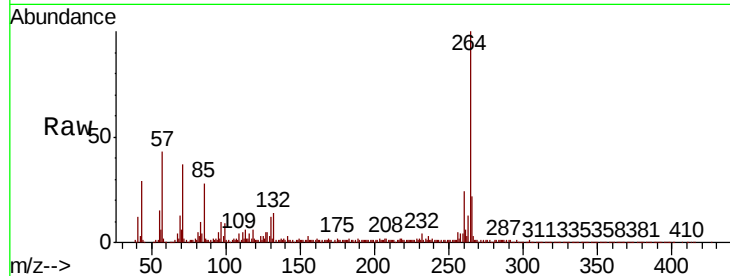
Tot Ion:264 Resp: 349689

Ion Ratio Lower Upper

264 100

260 24.3 19.4 29.2

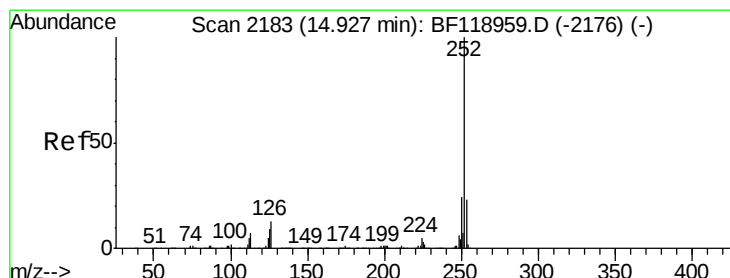
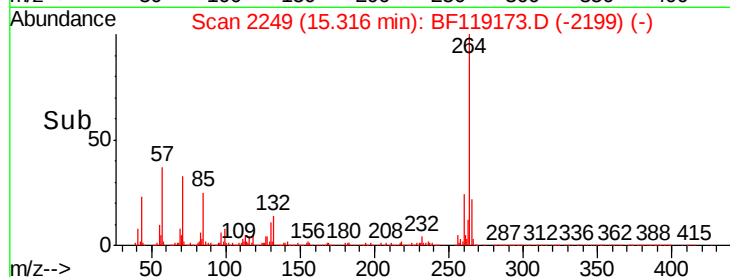
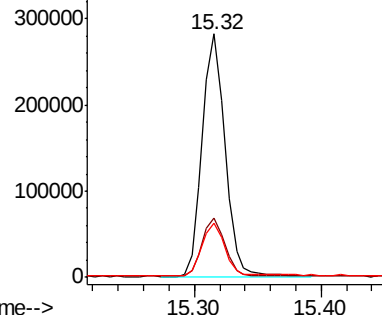
265 22.3 17.7 26.5



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: 2.883 ng

RT: 14.91 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BF119173.D

Acq: 2 Mar 2020 17:23

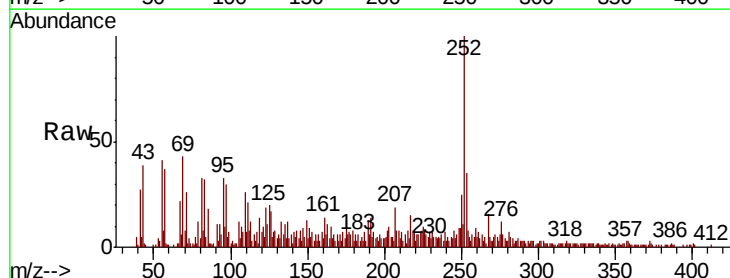
Tgt Ion:252 Resp: 66458

Ion Ratio Lower Upper

252 100

253 35.4 18.1 27.1#

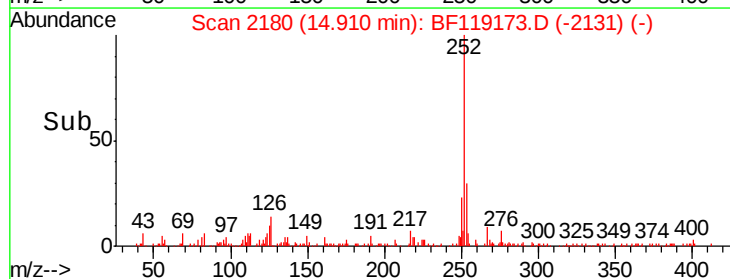
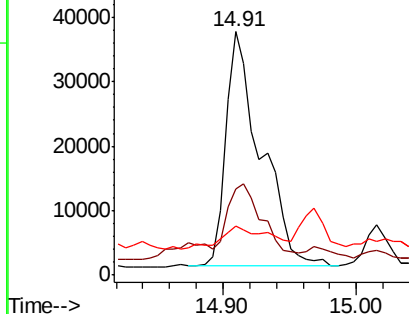
125 20.4 7.4 11.0#

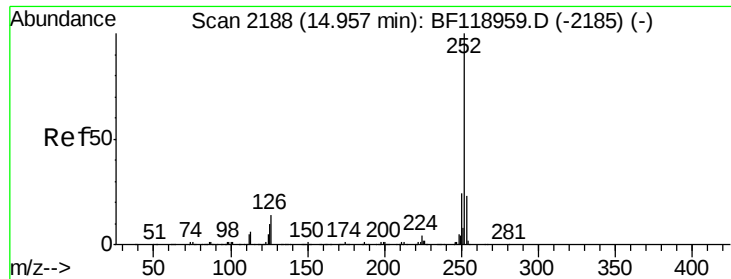


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

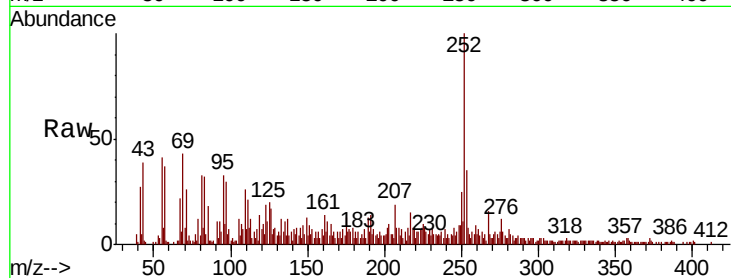




#89
 Benzo(k)fluoranthene
 Concen: 3.111 ng
 RT: 14.91 min Scan# 2180
 Delta R.T. -0.04 min
 Lab File: BF119173.D
 Acq: 2 Mar 2020 17:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	35.4	17.8	26.8#
125	20.4	7.5	11.3#



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

