

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
 Data File : BF120510.D
 Acq On : 3 Jun 2020 15:35
 Operator : JU/CG
 Sample : L2839-24
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NMDUP06-2020-0-6

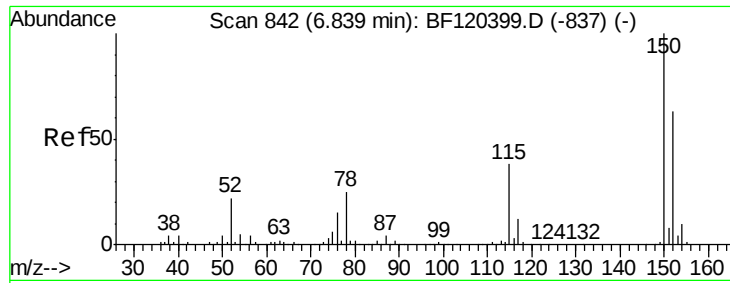
Quant Time: Jun 03 16:24:34 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 03 14:26:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	226930	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	624989	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	422705	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	737605	20.00	ng	0.00
76) Chrysene-d12	14.00	240	460645	20.00	ng	-0.01
86) Perylene-d12	15.46	264	484218	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	1833679	153.99	ng	0.01
7) Phenol-d6	6.48	99	2393046	163.05	ng	0.00
23) Nitrobenzene-d5	7.40	82	1631055	170.71	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	668645	170.72	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2614351	104.94	ng	0.00
79) Terphenyl-d14	12.95	244	2439413	117.84	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.99	79	24823	2.244	ng	# 48
19) n-Nitroso-di-n-propylamine	7.40	70	221825	23.776	ng	# 78
25) Isophorone	7.40	82	1625429	84.643	ng	# 64
50) Dimethylphthalate	9.58	163	228462	8.645	ng	100
57) 2,4-Dinitrotoluene	9.87	165	55082	7.328	ng	# 26
67) 4-Bromophenyl-phenylether	10.67	248	39378	5.289	ng	# 1
71) Phenanthrene	11.38	178	277159	8.528	ng	97
75) Fluoranthene	12.57	202	427635	12.228	ng	99
78) Pyrene	12.80	202	365249	11.401	ng	98
81) Benzo(a)anthracene	13.99	228	172055	6.969	ng	96
83) Chrysene	14.02	228	171760	6.636	ng	97
87) Indeno(1,2,3-cd)pyrene	16.89	276	89422	3.376	ng	94
88) Benzo(b)fluoranthene	15.03	252	280670	10.436	ng	# 98
89) Benzo(k)fluoranthene	15.03	252	280670	11.179	ng	# 98
90) Benzo(a)pyrene	15.39	252	144609	6.147	ng	98
92) Benzo(g,h,i)perylene	17.33	276	77149	3.623	ng	# 95

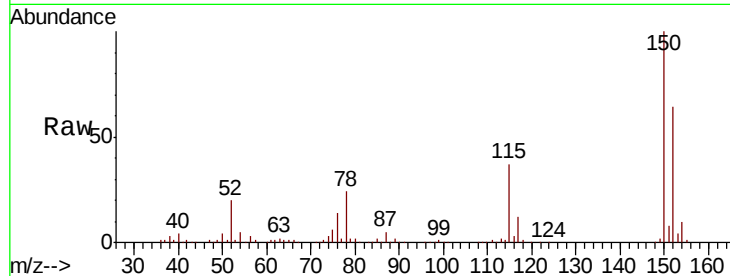
(#) = qualifier out of range (m) = manual integration (+) = signals summed



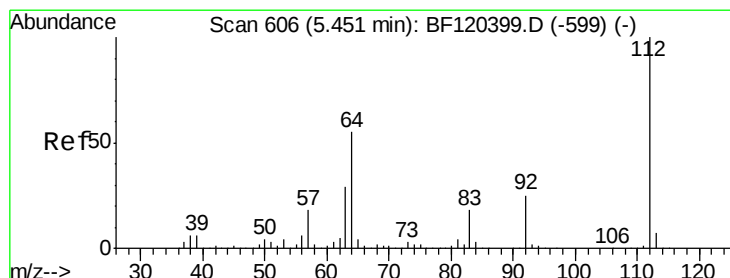
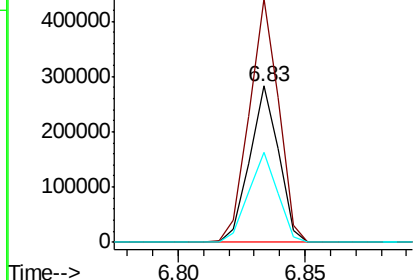
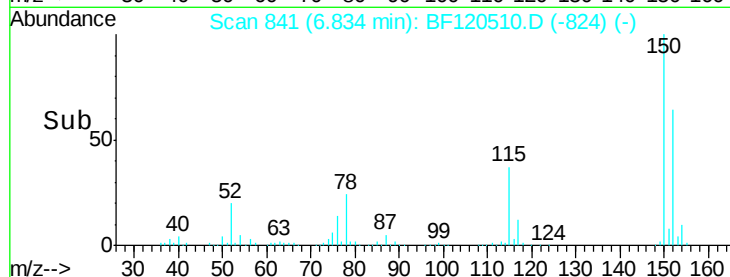
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 841
 Delta R.T. 0.00 min
 Lab File: BF120510.D
 Acq: 3 Jun 2020 15:35

Instrument :
 BNA_F
 ClientSampleId :
 NMDUP06-2020-0-6

Tot Ion:152 Resp: 226930
 Ion Ratio Lower Upper
 152 100
 150 156.0 127.1 190.7
 115 58.0 48.7 73.1

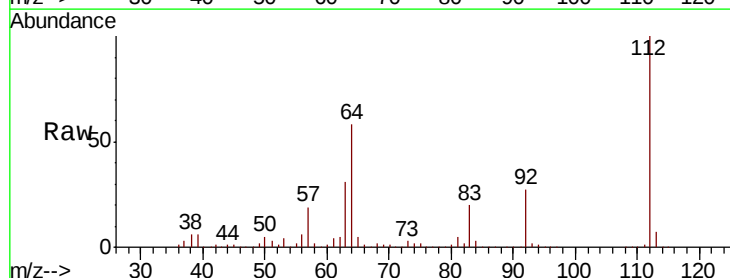


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

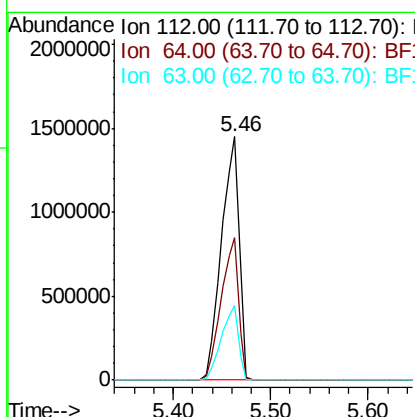
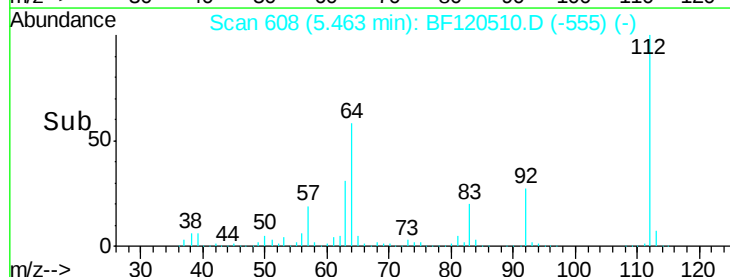


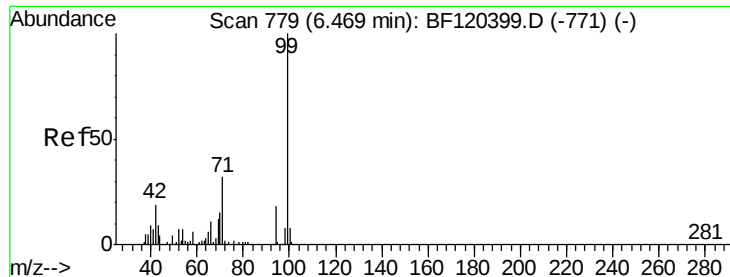
#5
 2-Fluorophenol
 Concen: 153.992 ng
 RT: 5.46 min Scan# 608
 Delta R.T. 0.01 min
 Lab File: BF120510.D
 Acq: 3 Jun 2020 15:35

Tgt Ion:112 Resp: 1833679
 Ion Ratio Lower Upper
 112 100
 64 58.3 45.8 68.8
 63 30.8 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: 163.047 ng

RT: 6.48 min Scan# 781

Delta R.T. 0.01 min

Lab File: BF120510.D

Acq: 3 Jun 2020 15:35

Instrument :

BNA_F

ClientSampleId :

NMDUP06-2020-0-6

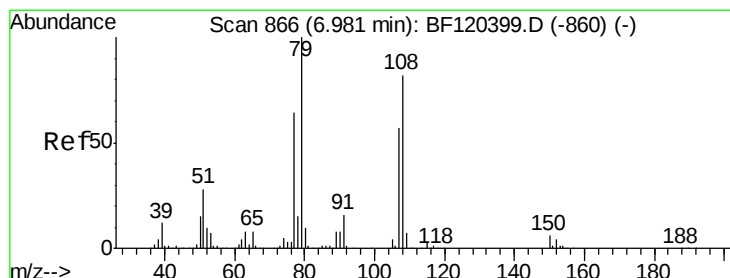
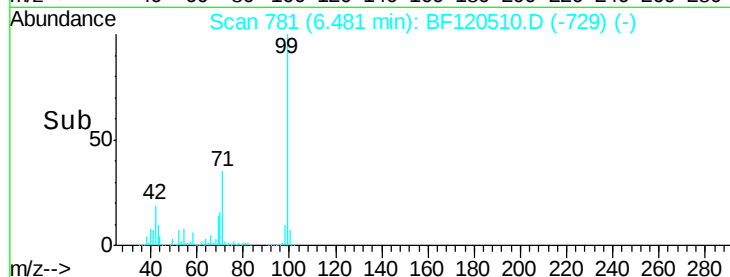
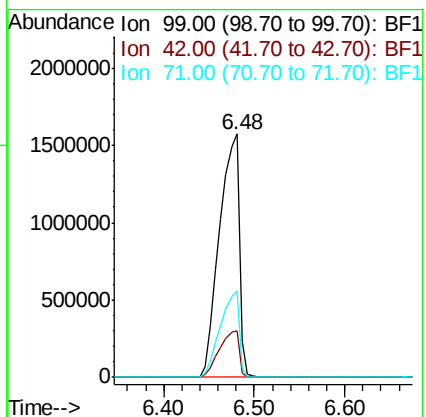
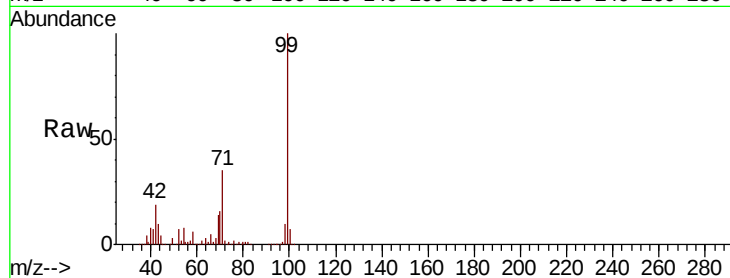
Tot Ion: 99 Resp: 2393046

Ion Ratio Lower Upper

99 100

42 19.3 15.0 22.4

71 35.3 26.3 39.5



#15

Benzyl Alcohol

Concen: 2.244 ng

RT: 6.99 min Scan# 868

Delta R.T. 0.01 min

Lab File: BF120510.D

Acq: 3 Jun 2020 15:35

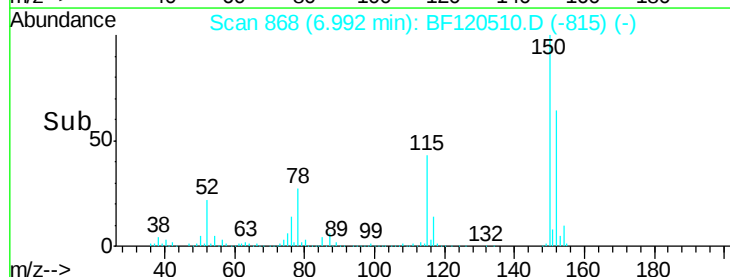
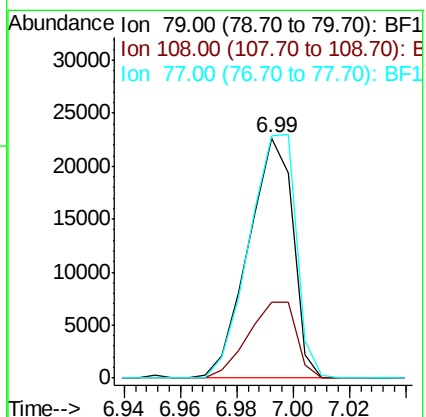
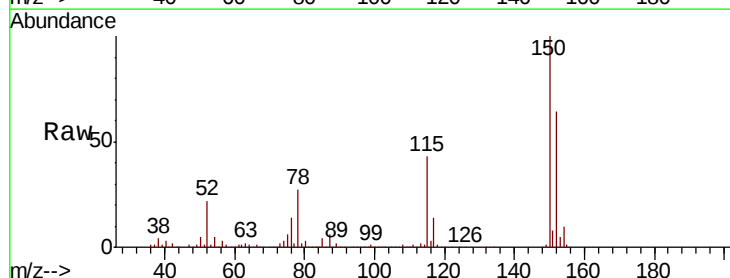
Tgt Ion: 79 Resp: 24823

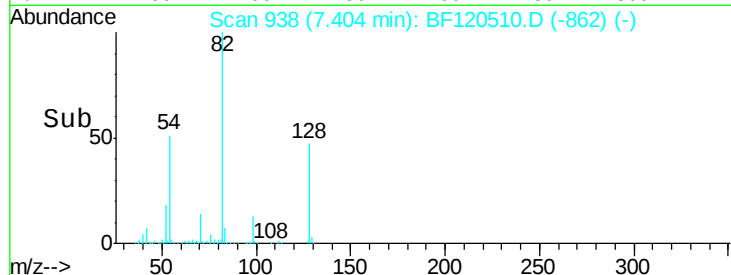
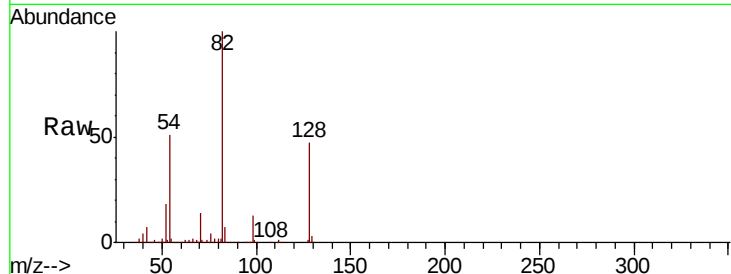
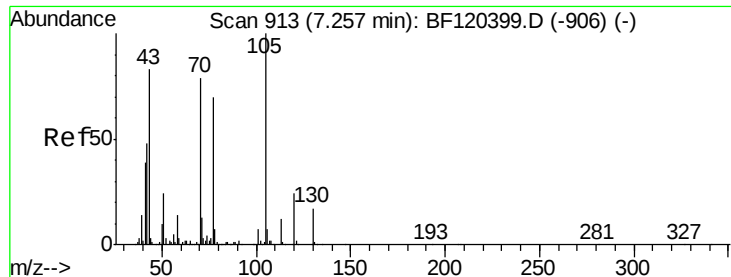
Ion Ratio Lower Upper

79 100

108 31.7 64.6 96.8#

77 100.6 50.2 75.2#

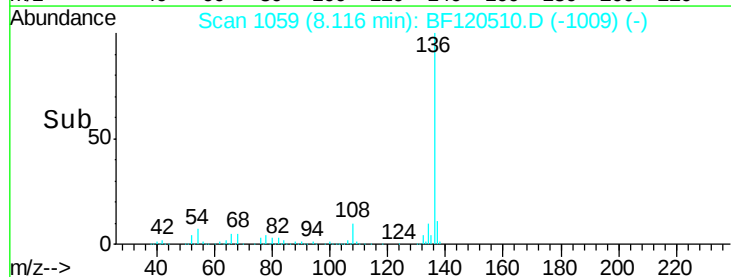
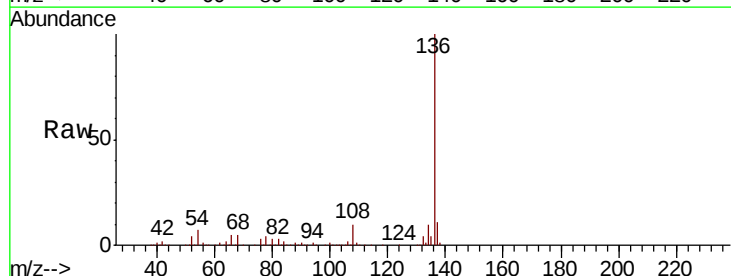
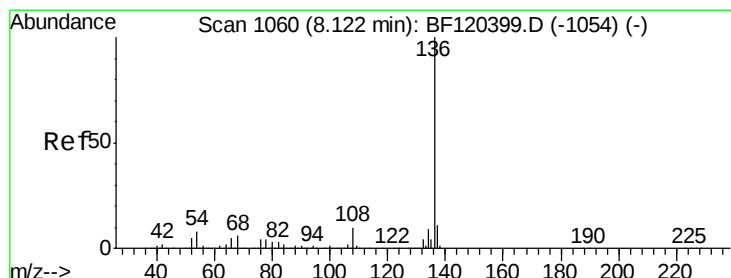
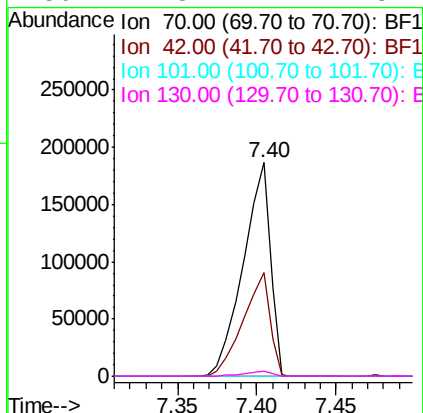




#19
n-Nitroso-di-n-propylamine
Concen: 23.776 ng
RT: 7.40 min Scan# 938
Delta R.T. 0.15 min
Lab File: BF120510.D
Acq: 3 Jun 2020 15:35

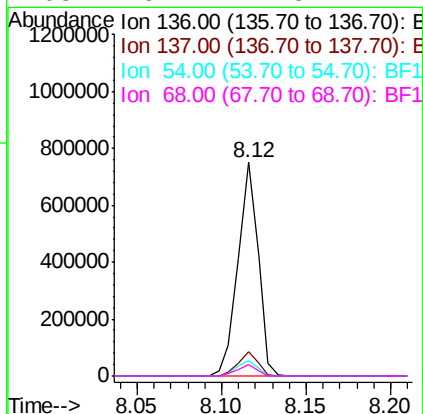
Instrument :
BNA_F
ClientSampleId :
NMDUP06-2020-0-6

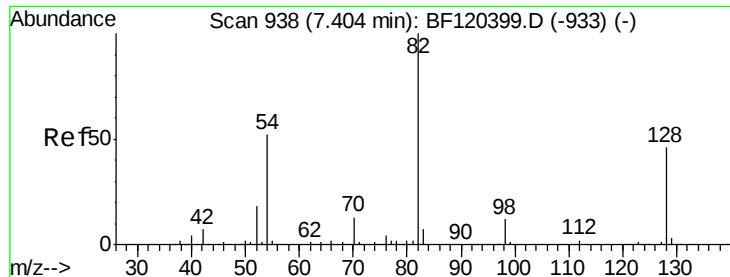
Tot Ion:	70	Resp:	221825
Ion	Ratio	Lower	Upper
70	100		
42	48.8	47.6	71.4
101	0.0	7.4	11.0#
130	2.3	17.1	25.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1059
Delta R.T. -0.01 min
Lab File: BF120510.D
Acq: 3 Jun 2020 15:35

Tgt Ion:	136	Resp:	624989
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	7.3	6.0	9.0
68	5.2	4.8	7.2

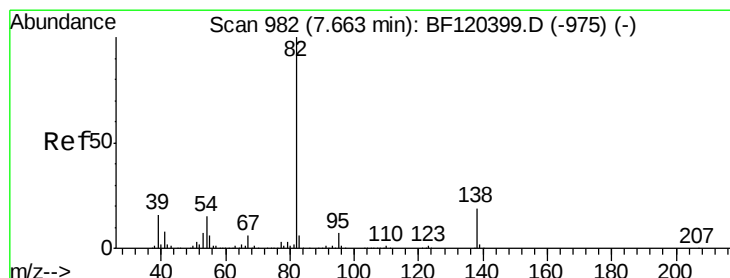
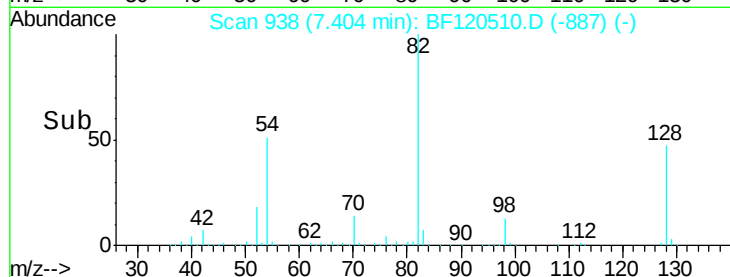
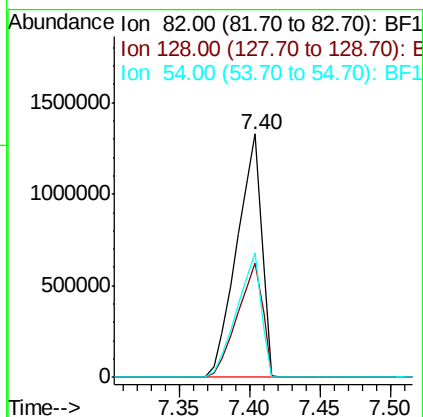
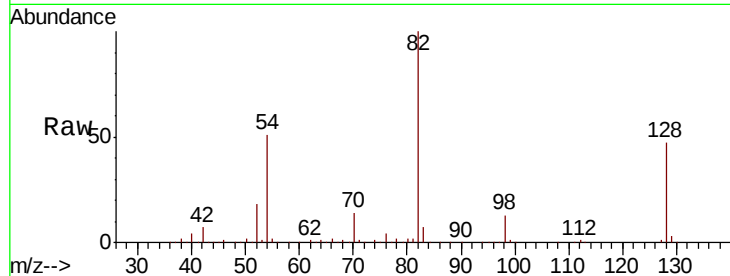




#23
Nitrobenzene-d5
Concen: 170.711 ng
RT: 7.40 min Scan# 938
Delta R.T. 0.00 min
Lab File: BF120510.D
Acq: 3 Jun 2020 15:35

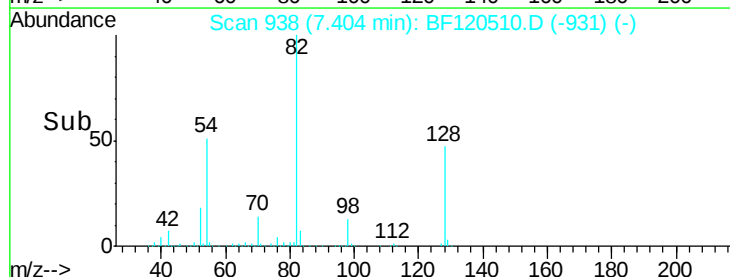
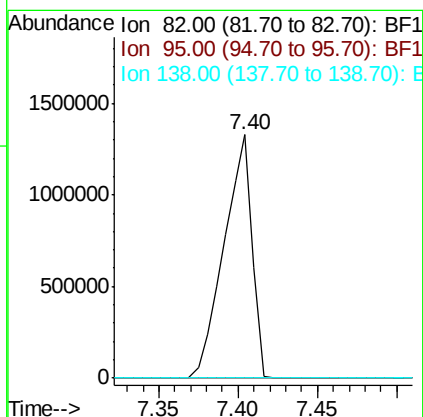
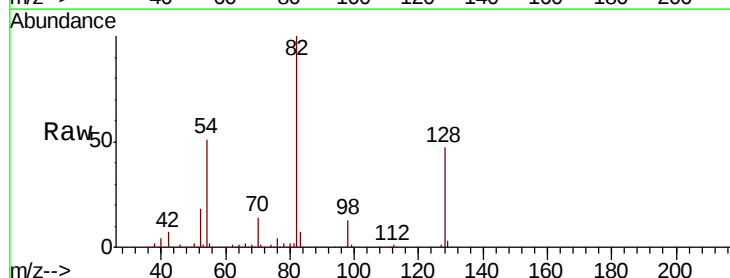
Instrument :
BNA_F
ClientSampleId :
NMDUP06-2020-0-6

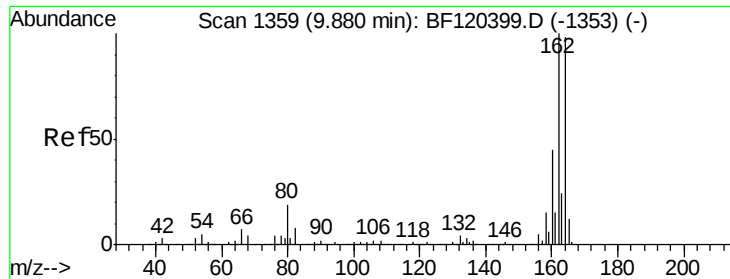
Tot Ion: 82 Resp: 1631055
Ion Ratio Lower Upper
82 100
128 46.8 37.4 56.0
54 51.4 40.7 61.1



#25
Isophorone
Concen: 84.643 ng
RT: 7.40 min Scan# 938
Delta R.T. -0.26 min
Lab File: BF120510.D
Acq: 3 Jun 2020 15:35

Tgt Ion: 82 Resp: 1625429
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 15.0 22.6#

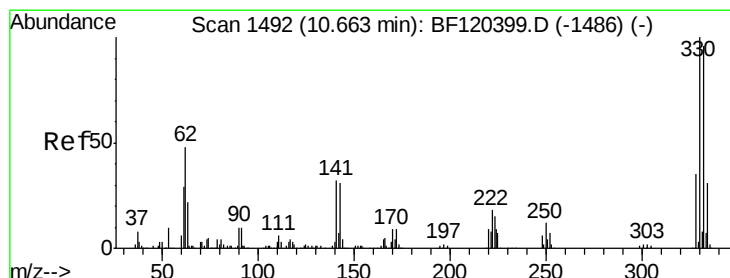
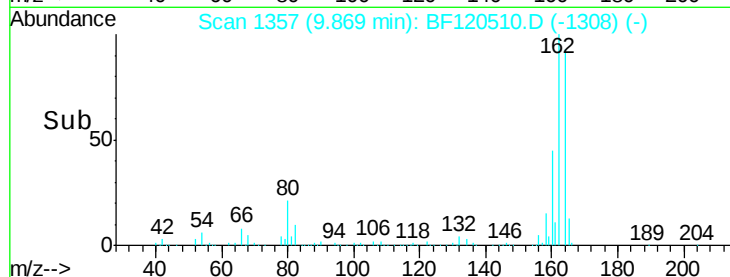
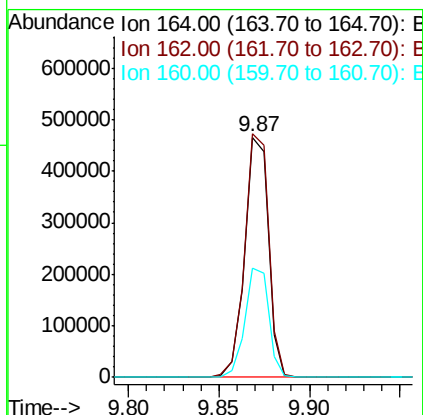
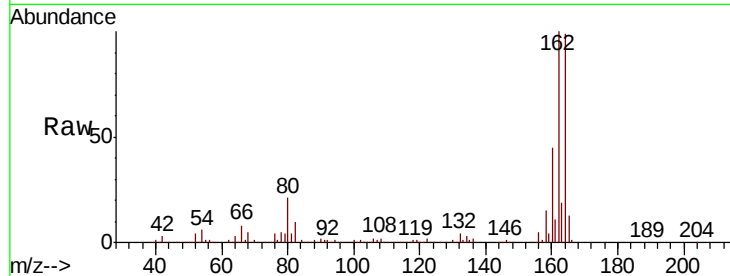




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1357
Delta R.T. -0.01 min
Lab File: BF120510.D
Acq: 3 Jun 2020 15:35

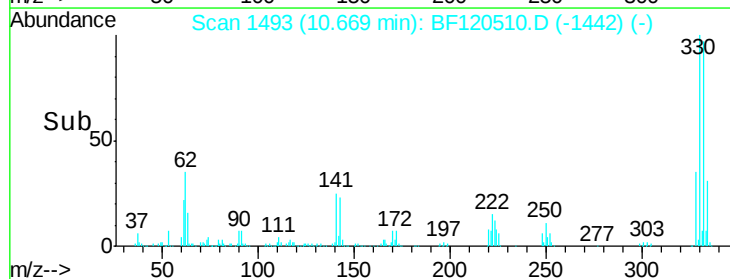
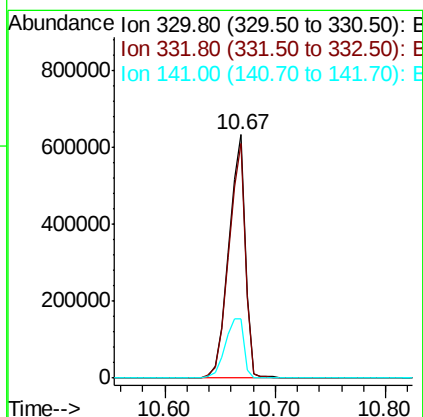
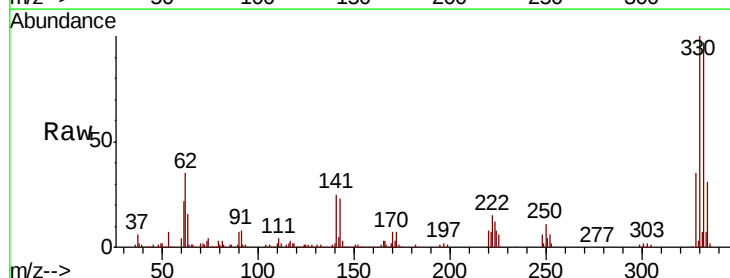
Instrument :
BNA_F
ClientSampleId :
NMDUP06-2020-0-6

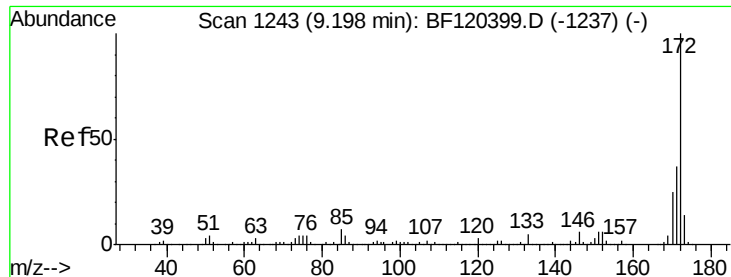
Tot Ion:164 Resp: 422705
Ion Ratio Lower Upper
164 100
162 101.3 81.8 122.6
160 45.7 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 170.723 ng
RT: 10.67 min Scan# 1493
Delta R.T. 0.00 min
Lab File: BF120510.D
Acq: 3 Jun 2020 15:35

Tgt Ion:330 Resp: 668645
Ion Ratio Lower Upper
330 100
332 96.7 77.4 116.2
141 28.2 23.5 35.3

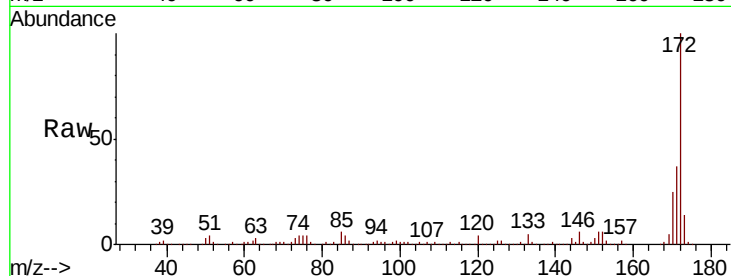




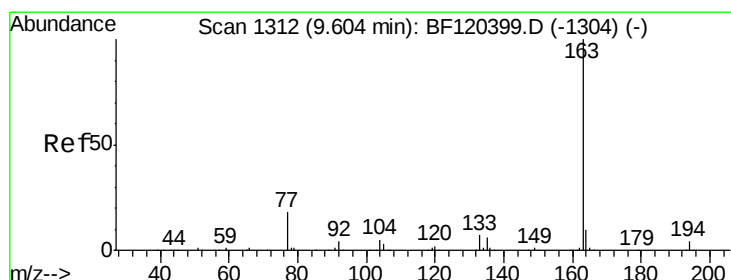
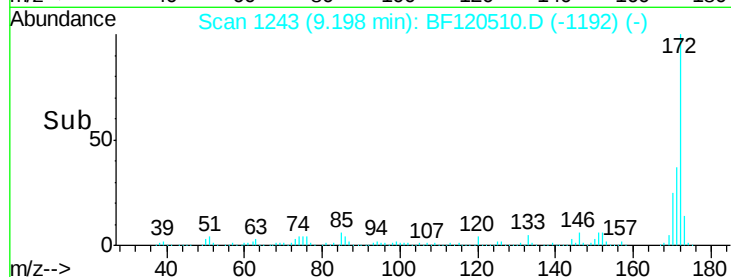
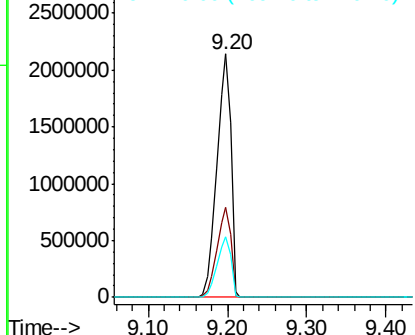
#45
2-Fluorobiphenyl
Concen: 104.937 ng
RT: 9.20 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BF120510.D
Acq: 3 Jun 2020 15:35

Instrument :
BNA_F
ClientSampleId :
NMDUP06-2020-0-6

Tot Ion:172 Resp: 2614351
Ion Ratio Lower Upper
172 100
171 37.1 29.2 43.8
170 25.1 20.1 30.1

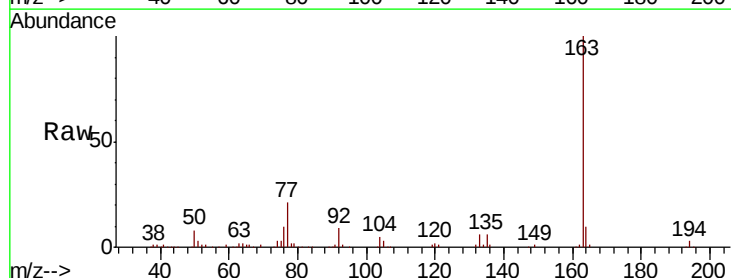


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

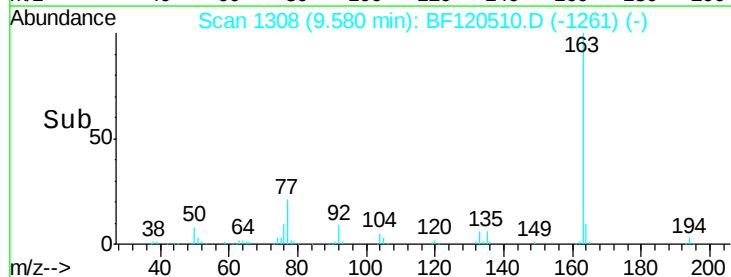
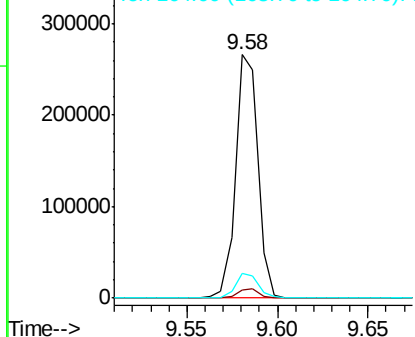


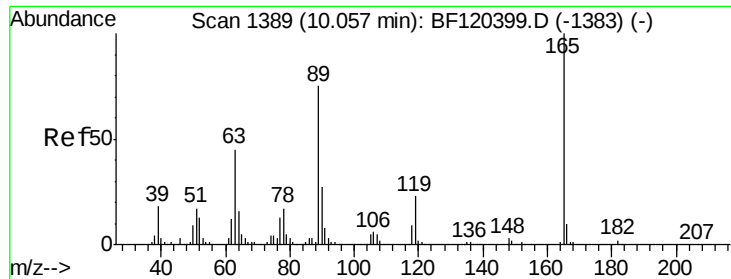
#50
Dimethylphthalate
Concen: 8.645 ng
RT: 9.58 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF120510.D
Acq: 3 Jun 2020 15:35

Tgt Ion:163 Resp: 228462
Ion Ratio Lower Upper
163 100
194 3.5 3.1 4.7
164 10.3 8.2 12.4



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

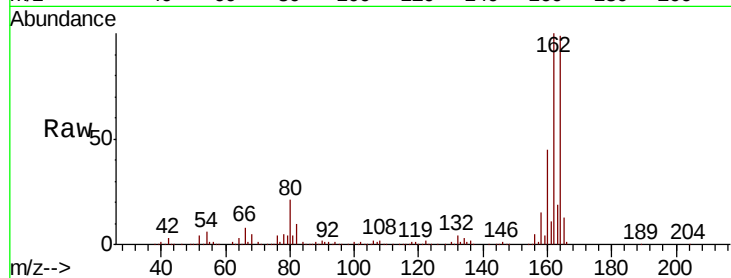




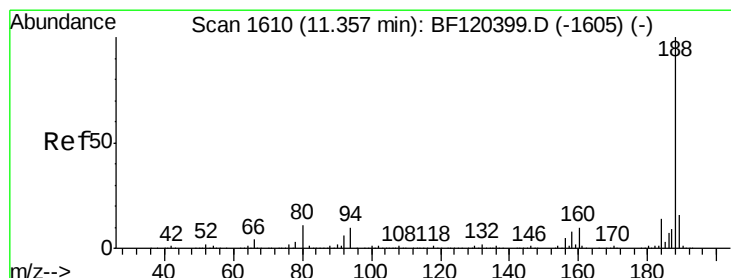
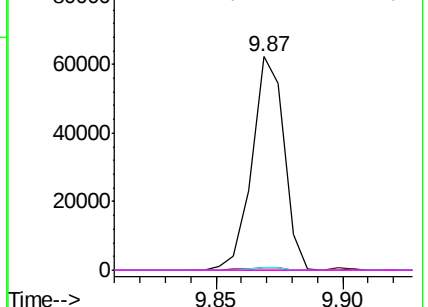
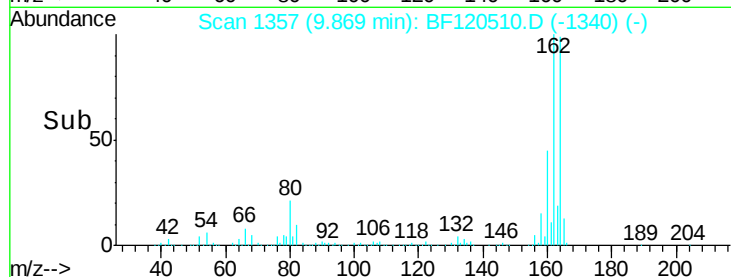
#57
 2,4-Dinitrotoluene
 Concen: 7.328 ng
 RT: 9.87 min Scan# 1357
 Delta R.T. -0.20 min
 Lab File: BF120510.D
 Acq: 3 Jun 2020 15:35

Instrument :
 BNA_F
 ClientSampleId :
 NMDUP06-2020-0-6

Tot Ion:165 Resp: 55082
 Ion Ratio Lower Upper
 165 100
 63 1.1 33.4 50.0#
 89 1.1 54.7 82.1#
 182 0.0 2.1 3.1#

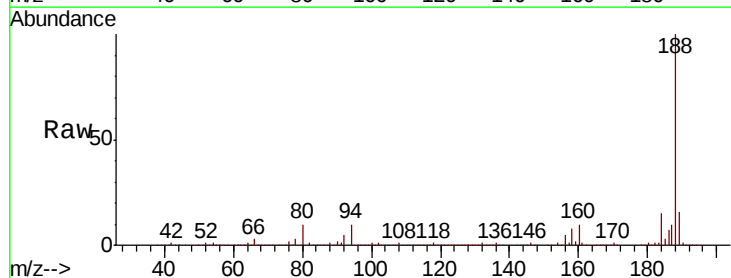


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

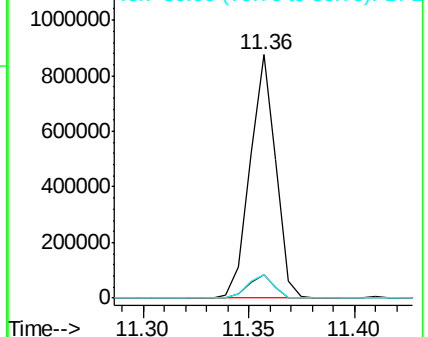
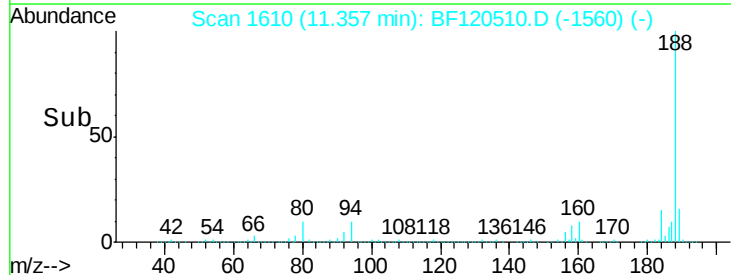


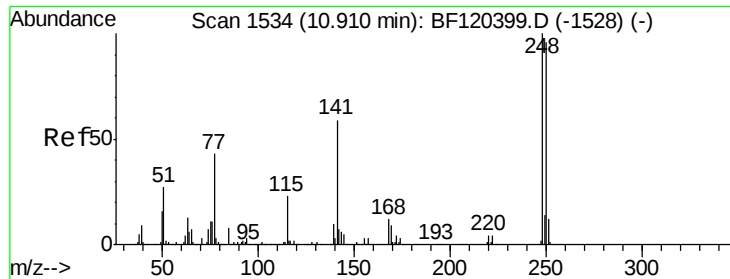
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1610
 Delta R.T. -0.01 min
 Lab File: BF120510.D
 Acq: 3 Jun 2020 15:35

Tgt Ion:188 Resp: 737605
 Ion Ratio Lower Upper
 188 100
 94 9.7 7.5 11.3
 80 9.7 7.9 11.9



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

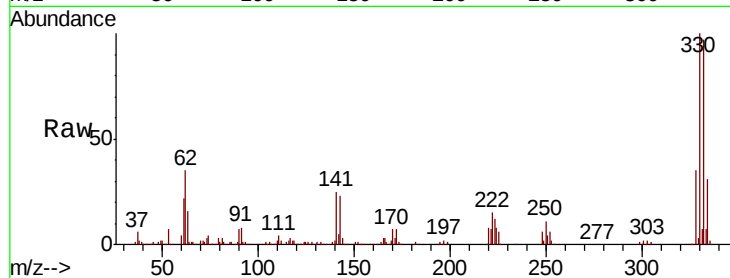




#67
 4-Bromophenyl-phenylether
 Concen: 5.289 ng
 RT: 10.67 min Scan# 1493
 Delta R.T. -0.24 min
 Lab File: BF120510.D
 Acq: 3 Jun 2020 15:35

Instrument :
 BNA_F
 ClientSampleId :
 NMDUP06-2020-0-6

Tot Ion	Ratio	Lower	Upper
248	100		
250	198.3	78.0	117.0#
141	425.9	50.3	75.5#

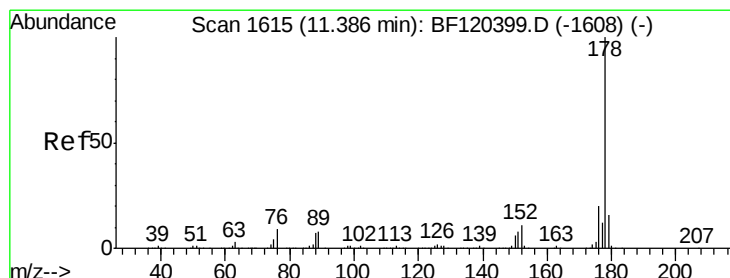
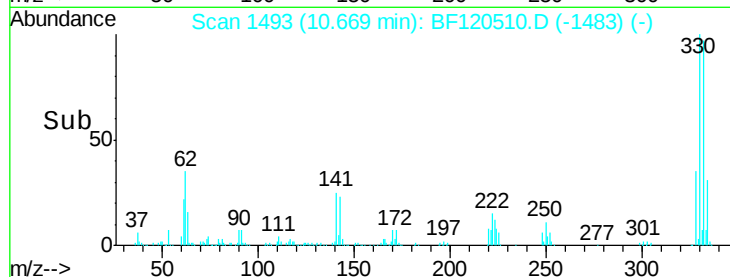
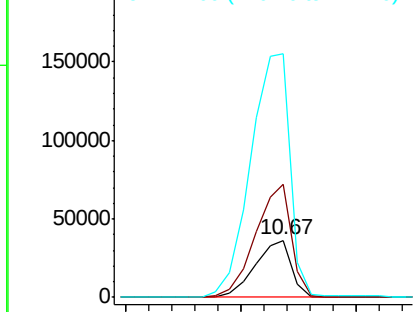


Abundance

Ion 248.00 (247.70 to 248.70): E

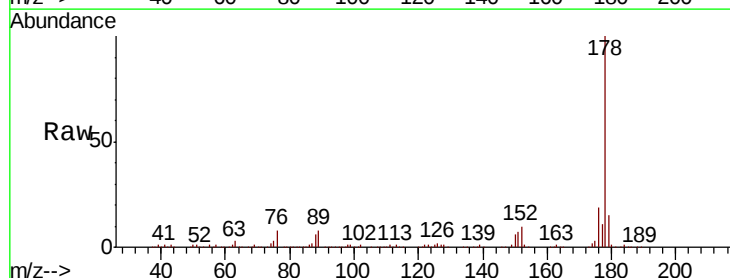
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#71
 Phenanthrene
 Concen: 8.528 ng
 RT: 11.38 min Scan# 1614
 Delta R.T. -0.01 min
 Lab File: BF120510.D
 Acq: 3 Jun 2020 15:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.6	24.8
179	15.1	13.0	19.4

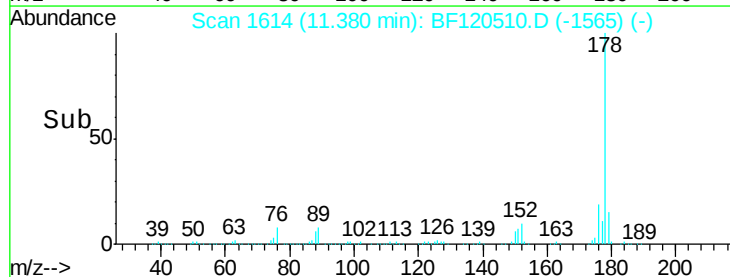
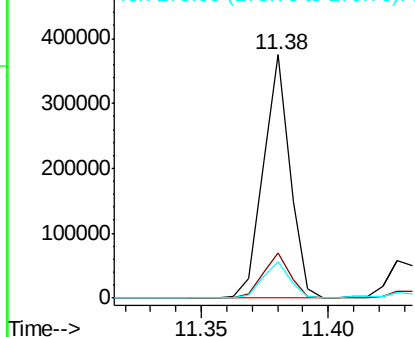


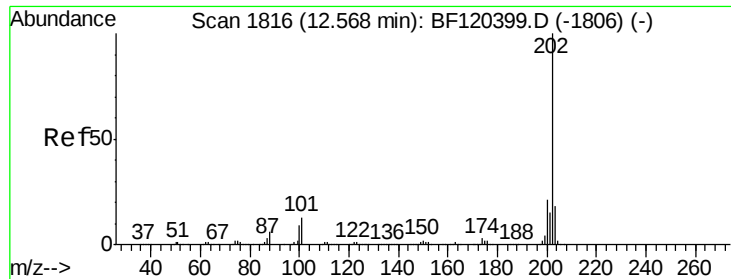
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 12.228 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF120510.D

Acq: 3 Jun 2020 15:35

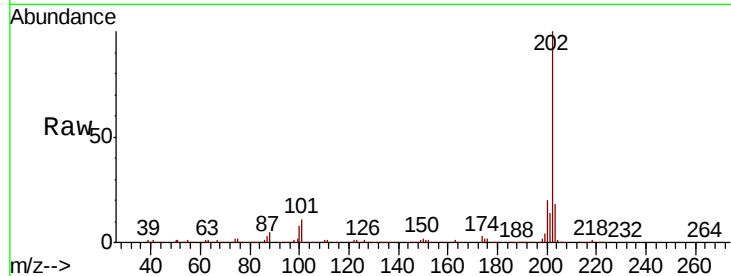
Instrument :

BNA_F

ClientSampleId :

NMDUP06-2020-0-6

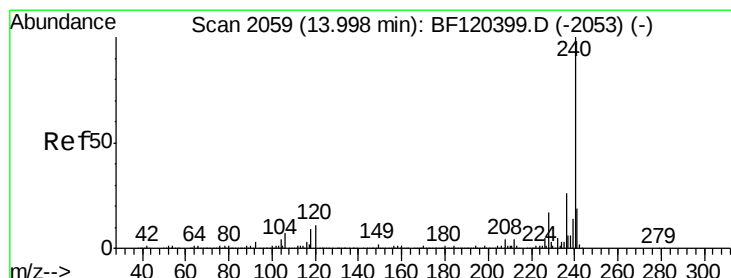
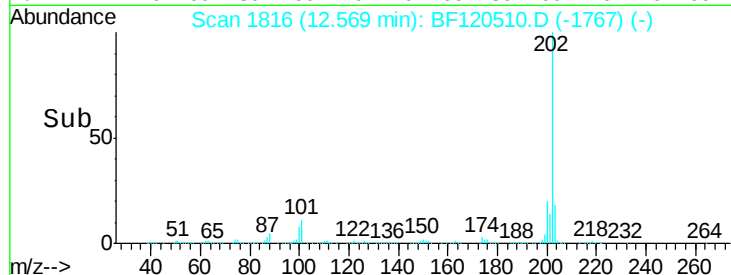
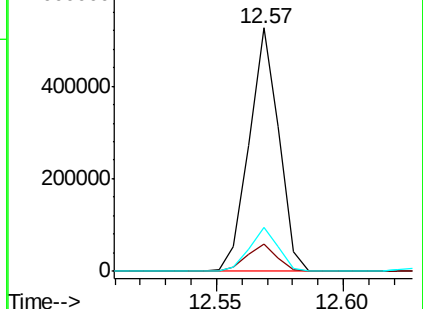
Tot Ion:	202	Resp:	427635
Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	30.4
203	17.8	0.0	38.2



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

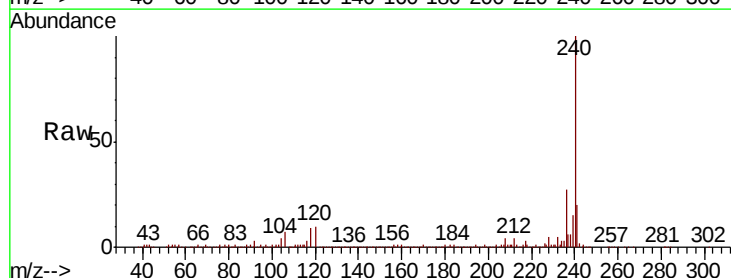
RT: 14.00 min Scan# 2059

Delta R.T. -0.01 min

Lab File: BF120510.D

Acq: 3 Jun 2020 15:35

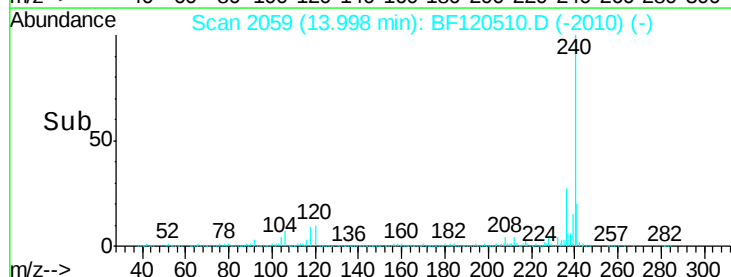
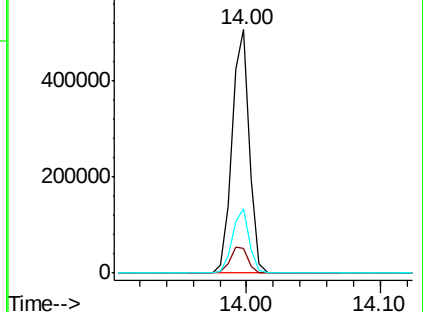
Tgt Ion:	240	Resp:	460645
Ion	Ratio	Lower	Upper
240	100		
120	10.2	7.9	11.9
236	26.6	21.1	31.7

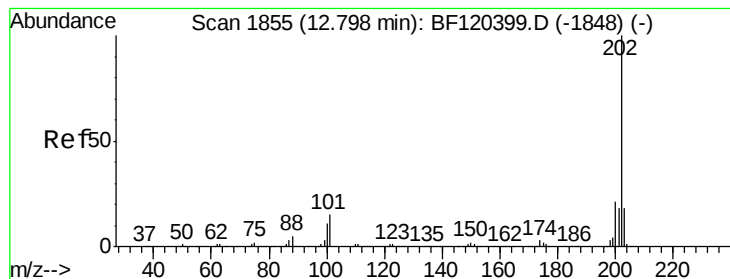


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 11.401 ng

RT: 12.80 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF120510.D

Acq: 3 Jun 2020 15:35

Instrument :

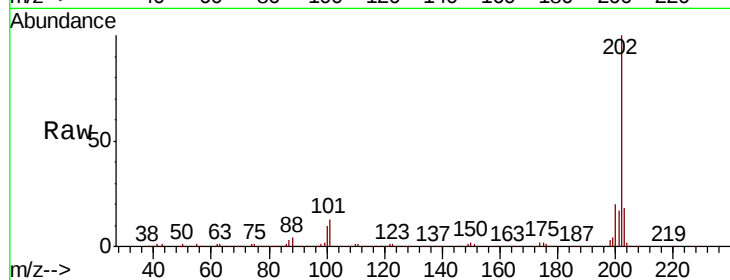
BNA_F

ClientSampleId :

NMDUP06-2020-0-6

Tot Ion:202 Resp: 365249

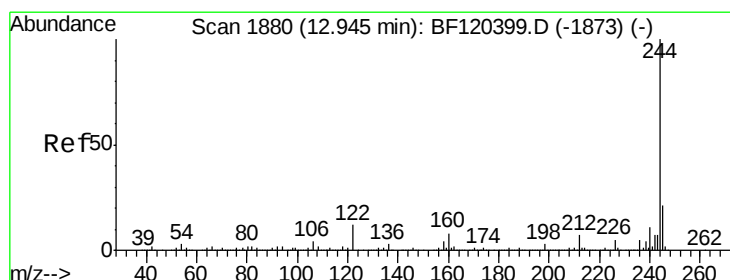
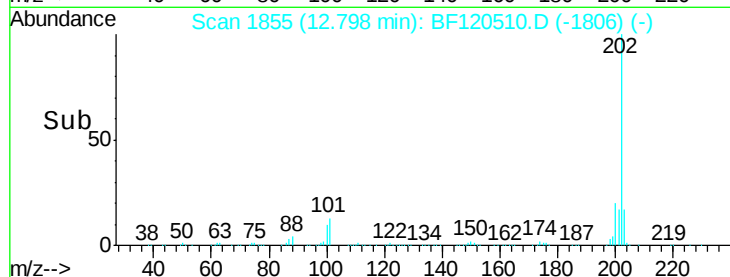
Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.3	25.9
203	17.6	14.5	21.7



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: 117.841 ng

RT: 12.95 min Scan# 1881

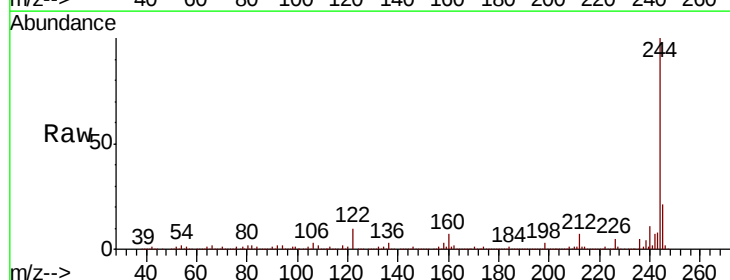
Delta R.T. 0.00 min

Lab File: BF120510.D

Acq: 3 Jun 2020 15:35

Tgt Ion:244 Resp: 2439413

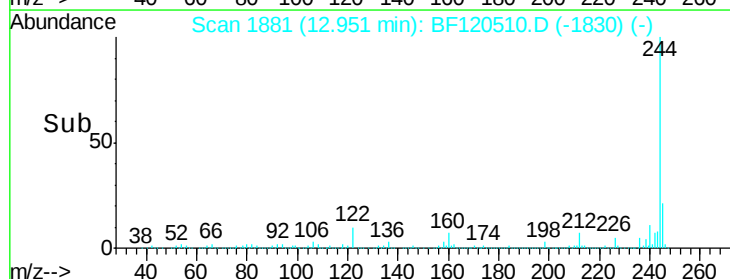
Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	10.2	8.2	12.4

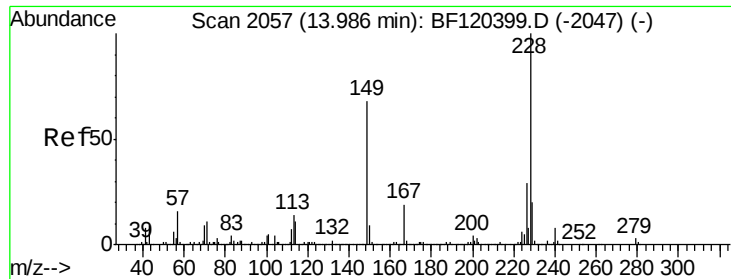


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 6.969 ng

RT: 13.99 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BF120510.D

Acq: 3 Jun 2020 15:35

Instrument :

BNA_F

ClientSampleId :

NMDUP06-2020-0-6

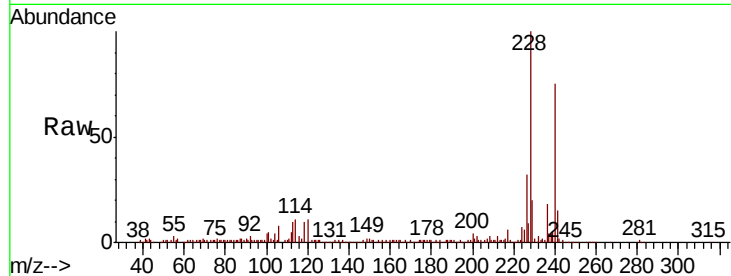
Tot Ion:228 Resp: 172055

Ion Ratio Lower Upper

228 100

226 31.7 22.7 34.1

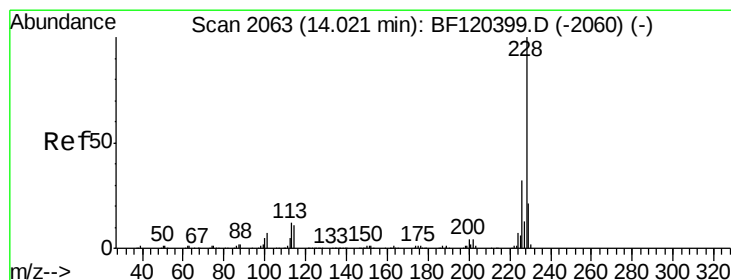
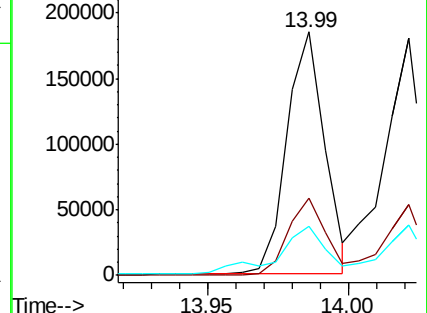
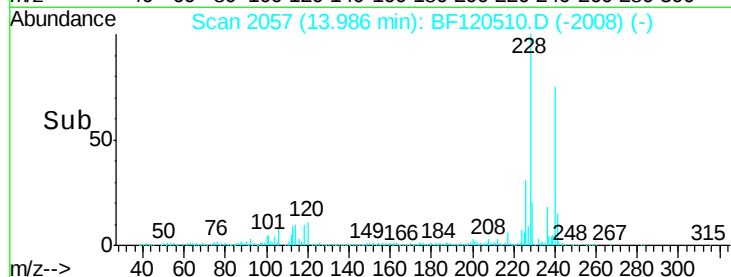
229 20.2 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 6.636 ng

RT: 14.02 min Scan# 2063

Delta R.T. -0.02 min

Lab File: BF120510.D

Acq: 3 Jun 2020 15:35

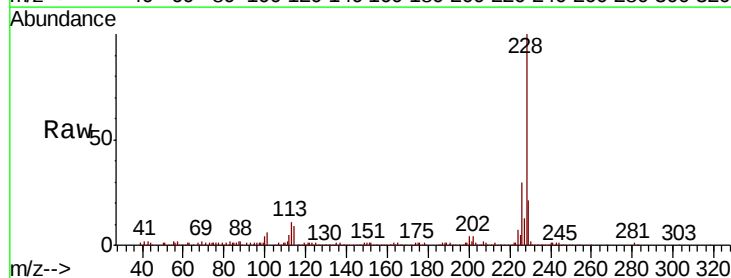
Tgt Ion:228 Resp: 171760

Ion Ratio Lower Upper

228 100

226 29.8 25.2 37.8

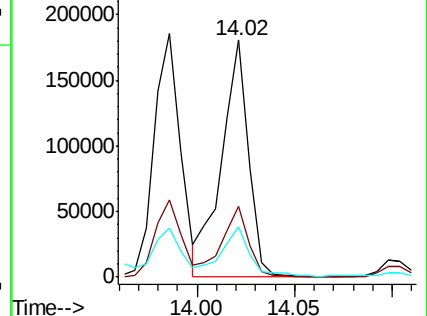
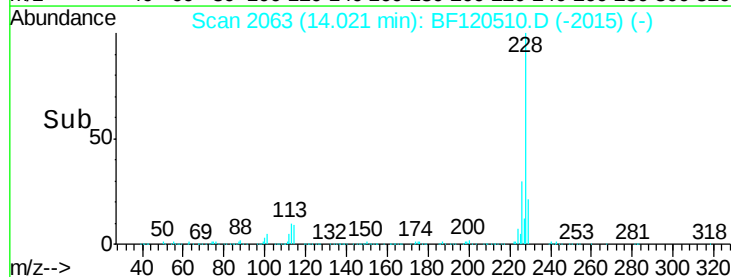
229 21.2 16.1 24.1

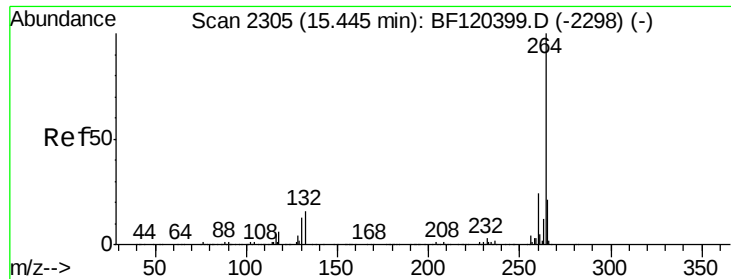


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

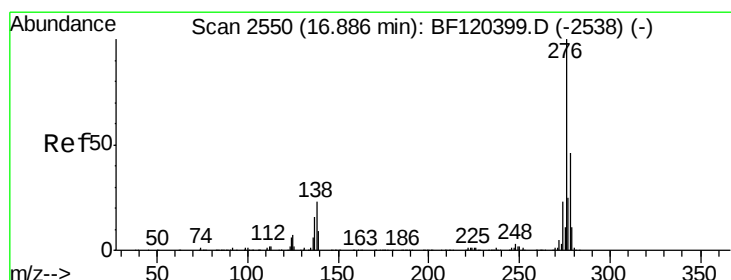
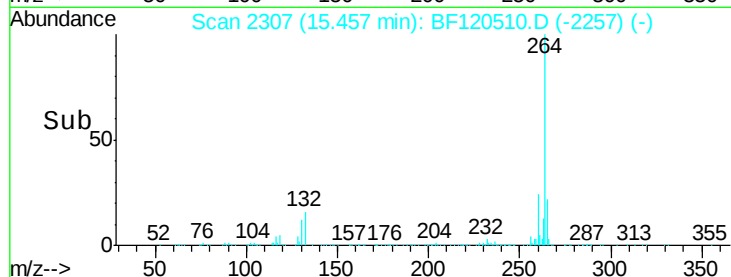
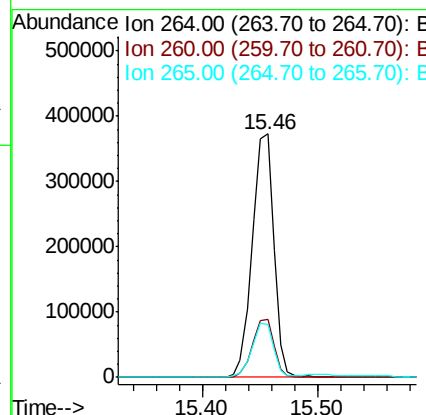
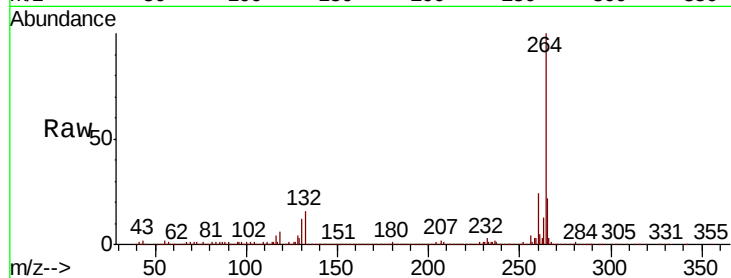




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2307
Delta R.T. -0.01 min
Lab File: BF120510.D
Acq: 3 Jun 2020 15:35

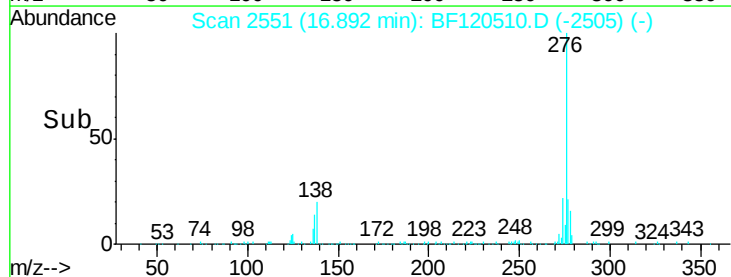
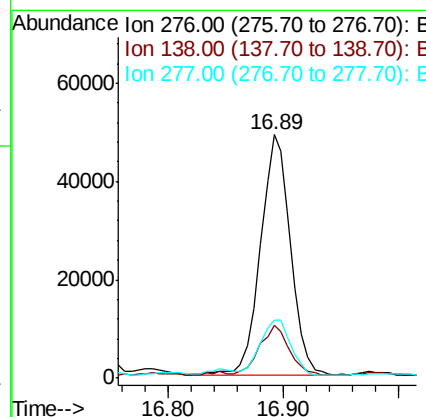
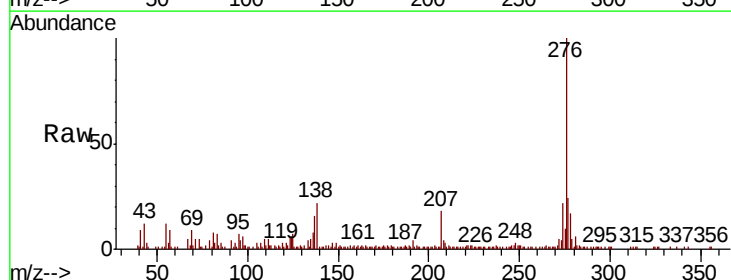
Instrument :
BNA_F
ClientSampleId :
NMDUP06-2020-0-6

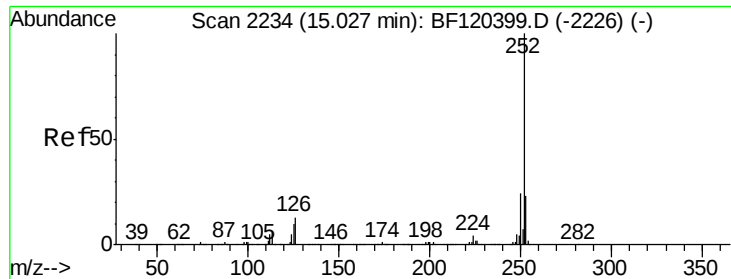
Tot Ion:264 Resp: 484218
Ion Ratio Lower Upper
264 100
260 24.1 19.8 29.8
265 21.9 17.5 26.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.376 ng
RT: 16.89 min Scan# 2551
Delta R.T. -0.03 min
Lab File: BF120510.D
Acq: 3 Jun 2020 15:35

Tgt Ion:276 Resp: 89422
Ion Ratio Lower Upper
276 100
138 20.2 19.2 28.8
277 23.4 20.4 30.6

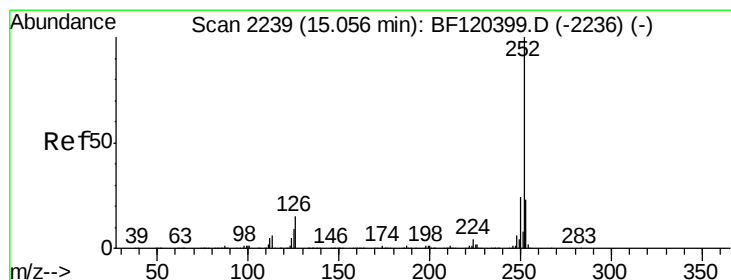
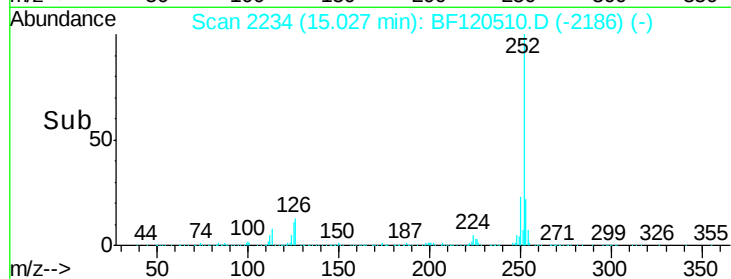
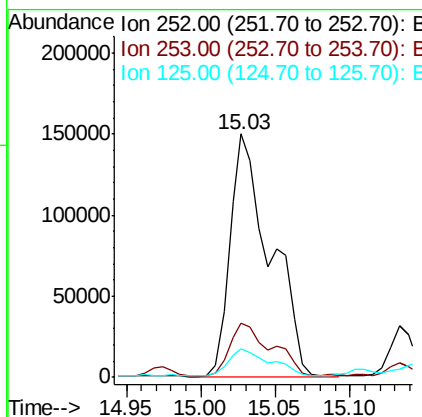
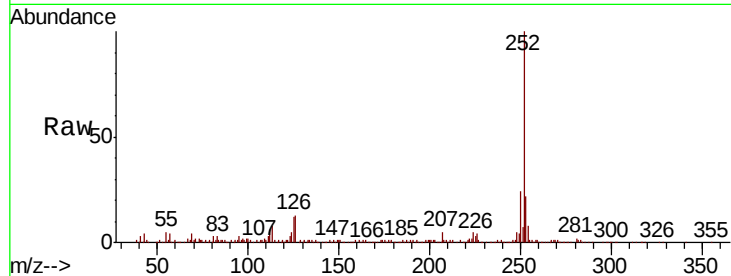




#88
Benzo(b)fluoranthene
Concen: 10.436 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.02 min
Lab File: BF120510.D
Acq: 3 Jun 2020 15:35

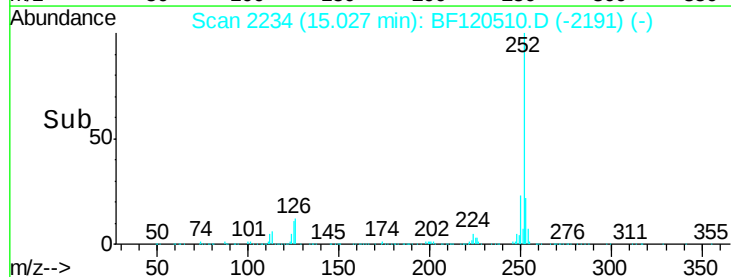
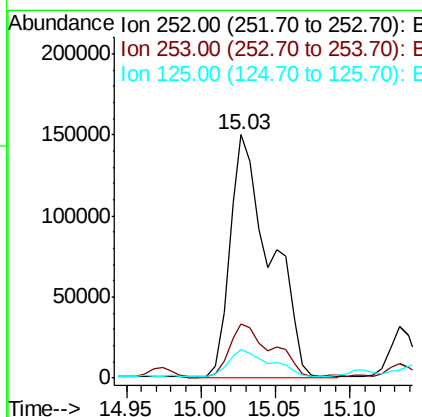
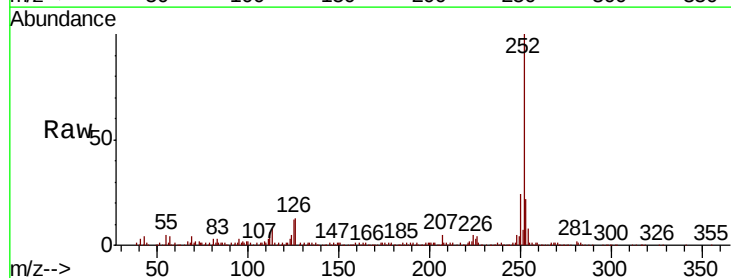
Instrument :
BNA_F
ClientSampleId :
NMDUP06-2020-0-6

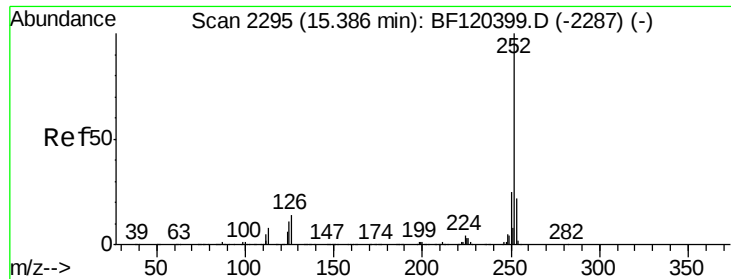
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	11.7	7.6	11.4#



#89
Benzo(k)fluoranthene
Concen: 11.179 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.05 min
Lab File: BF120510.D
Acq: 3 Jun 2020 15:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	11.7	7.5	11.3#





#90

Benzo(a)pyrene

Concen: 6.147 ng

RT: 15.39 min Scan# 2295

Delta R.T. -0.02 min

Lab File: BF120510.D

Acq: 3 Jun 2020 15:35

Instrument :

BNA_F

ClientSampleId :

NMDUP06-2020-0-6

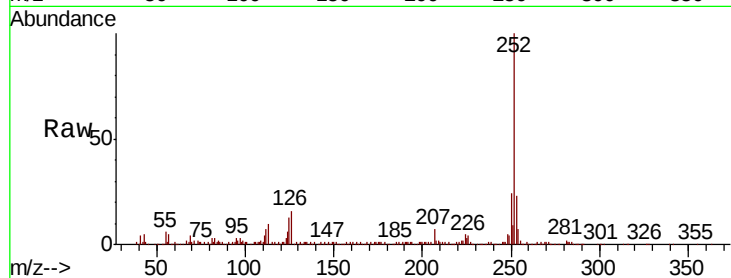
Tot Ion:252 Resp: 144609

Ion Ratio Lower Upper

252 100

253 23.1 18.0 27.0

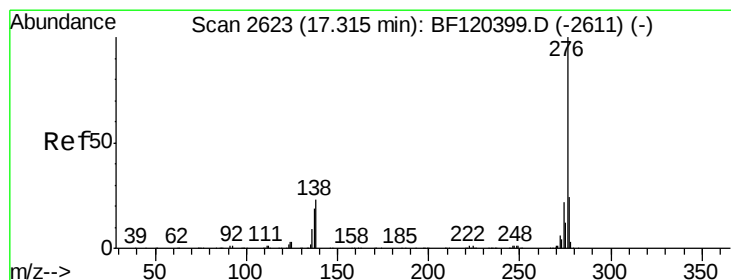
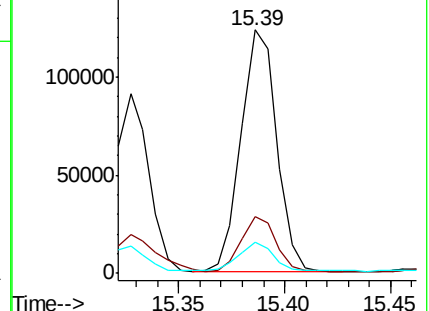
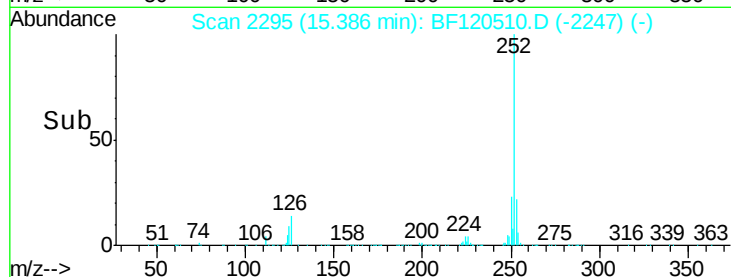
125 12.6 9.2 13.8



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



#92

Benzo(g,h,i)perylene

Concen: 3.623 ng

RT: 17.33 min Scan# 2625

Delta R.T. -0.04 min

Lab File: BF120510.D

Acq: 3 Jun 2020 15:35

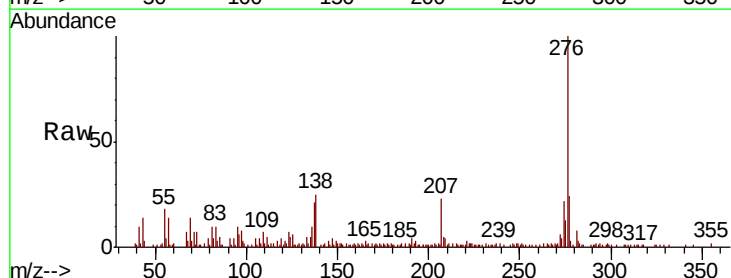
Tgt Ion:276 Resp: 77149

Ion Ratio Lower Upper

276 100

277 24.1 19.4 29.2

138 25.1 16.6 25.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

