

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051520\
 Data File : BF120331.D
 Acq On : 15 May 2020 19:43
 Operator : MA/SJ
 Sample : L2663-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 10025

Quant Time: May 16 04:38:39 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 15 12:31:31 2020
 Response via : Initial Calibration

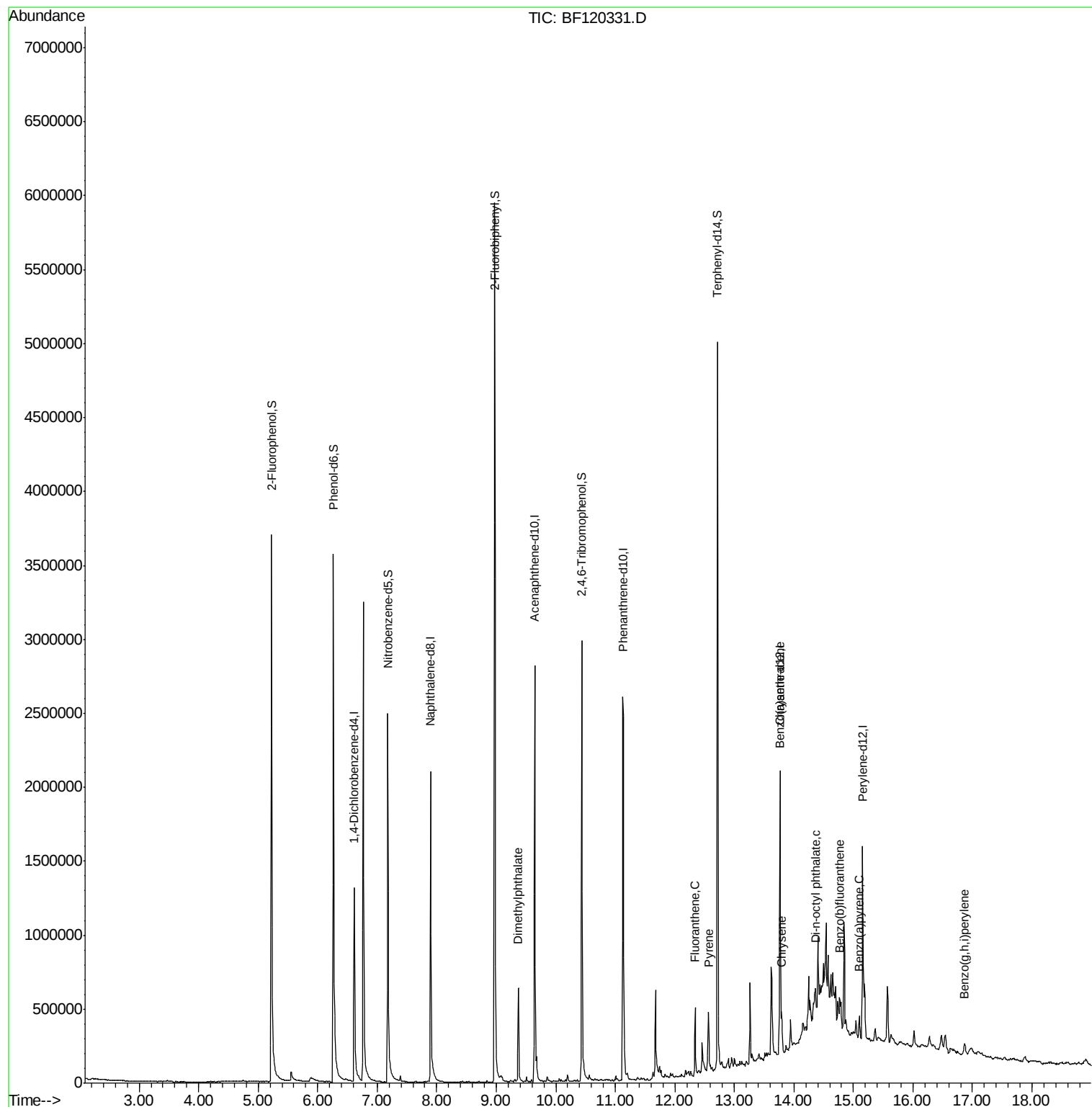
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	297934	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	1200678	20.00	ng	0.00
39) Acenaphthene-d10	9.65	164	658118	20.00	ng	0.00
64) Phenanthrene-d10	11.13	188	1141183	20.00	ng	0.00
76) Chrysene-d12	13.77	240	726150	20.00	ng	0.00
87) Perylene-d12	15.16	264	586080	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1240152	80.99	ng	0.00
7) Phenol-d6	6.26	99	1635386	84.46	ng	-0.01
23) Nitrobenzene-d5	7.18	82	1009854	57.59	ng	-0.01
42) 2,4,6-Tribromophenol	10.44	330	428517	79.86	ng	0.00
45) 2-Fluorobiphenyl	8.97	172	2068592	64.58	ng	0.00
79) Terphenyl-d14	12.72	244	2080344	63.29	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.37	163	312328	7.507	ng	98
75) Fluoranthene	12.34	202	207868	4.044	ng	96
78) Pyrene	12.57	202	190689	3.684	ng	97
81) Benzo(a)anthracene	13.76	228	99608	2.601	ng	99
83) Chrysene	13.79	228	95544	2.323	ng	96
85) Di-n-octyl phthalate	14.36	149	156677	2.872	ng	# 61
88) Benzo(b)fluoranthene	14.77	252	108837m	3.400	ng	
90) Benzo(a)pyrene	15.10	252	76944	2.681	ng	# 90
92) Benzo(g,h,i)perylene	16.87	276	52883	2.062	ng	99

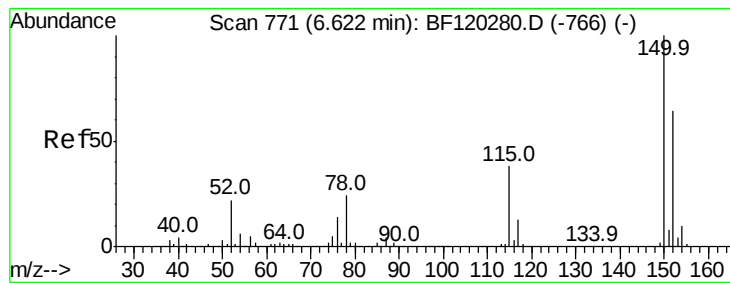
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 15 12:31:31 2020
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.62 min Scan# 770

Delta R.T. -0.00 min

Lab File: BF120331.D

Acq: 15 May 2020 19:43

Instrument :

BNA_F

ClientSampleId :

10025

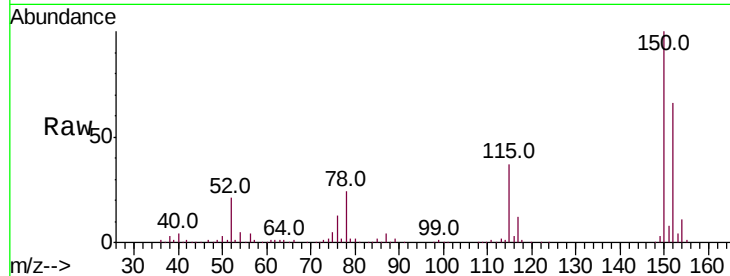
Tot Ion:152 Resp: 297934

Ion Ratio Lower Upper

152 100

150 151.3 126.2 189.2

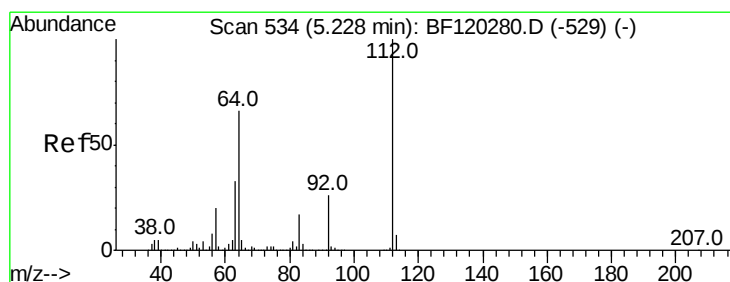
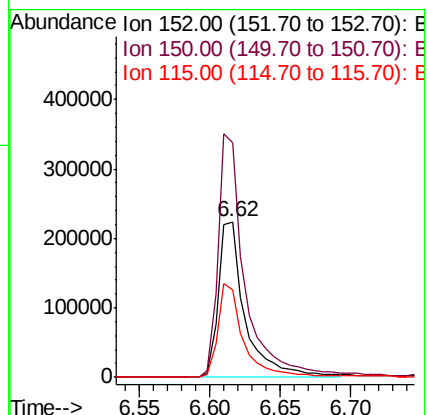
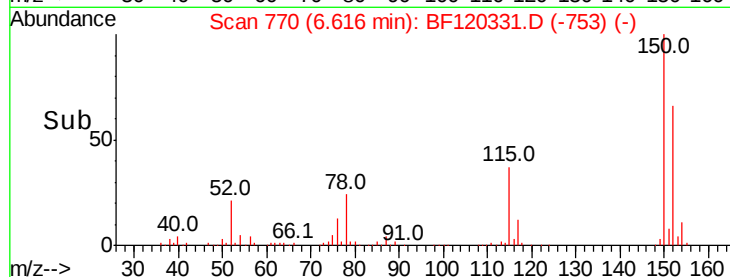
115 56.2 47.9 71.9



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: 80.990 ng

RT: 5.22 min Scan# 533

Delta R.T. -0.00 min

Lab File: BF120331.D

Acq: 15 May 2020 19:43

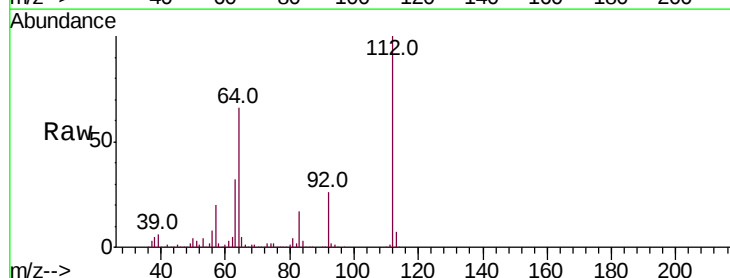
Tgt Ion:112 Resp: 1240152

Ion Ratio Lower Upper

112 100

64 66.5 52.7 79.1

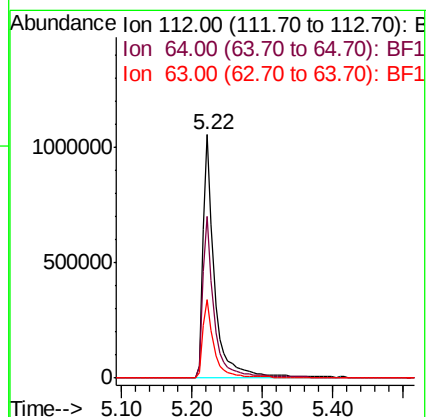
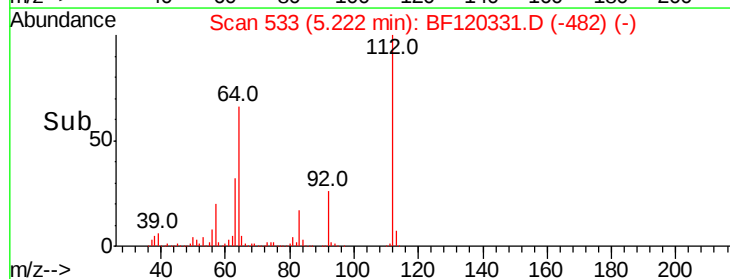
63 32.2 26.2 39.4

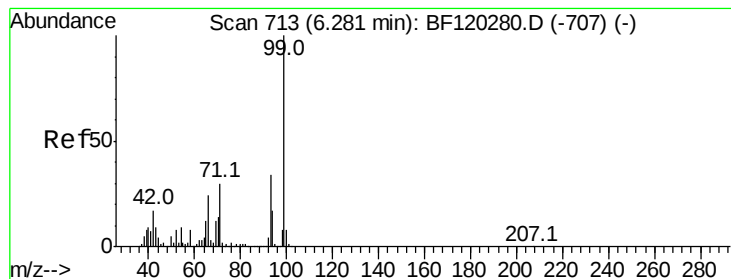


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 84.455 ng

RT: 6.26 min Scan# 710

Delta R.T. -0.01 min

Lab File: BF120331.D

Acq: 15 May 2020 19:43

Instrument :

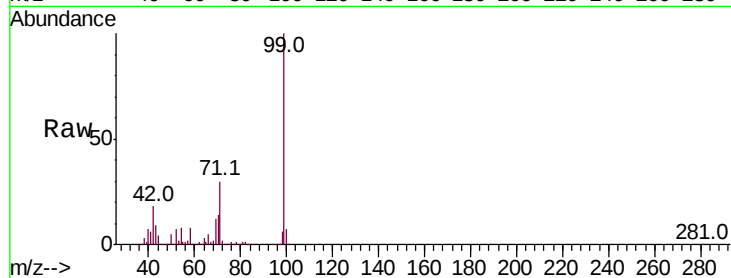
BNA_F

ClientSampleId :

10025

Tot Ion: 99 Resp: 1635386

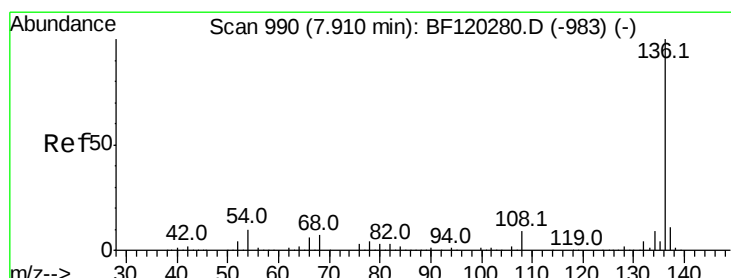
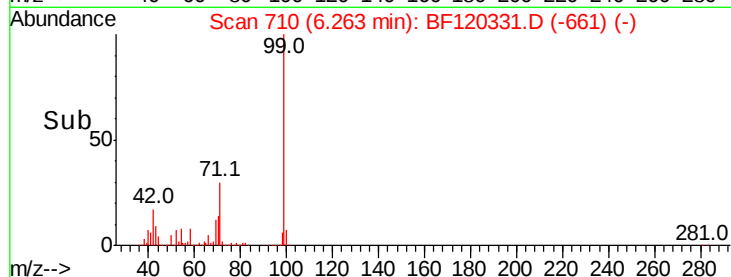
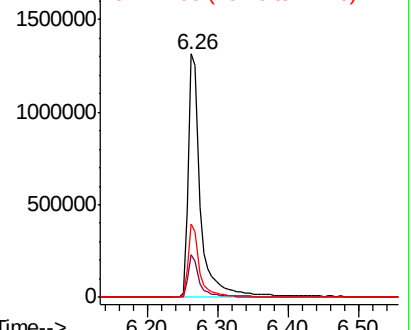
Ion	Ratio	Lower	Upper
99	100		
42	17.5	13.6	20.4
71	30.2	24.2	36.4



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.90 min Scan# 988

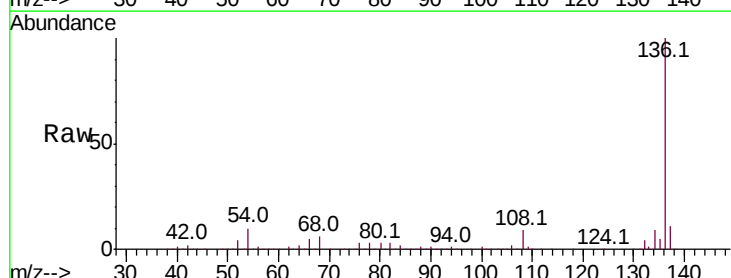
Delta R.T. -0.01 min

Lab File: BF120331.D

Acq: 15 May 2020 19:43

Tgt Ion: 136 Resp: 1200678

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	9.7	7.9	11.9
68	6.2	5.4	8.2

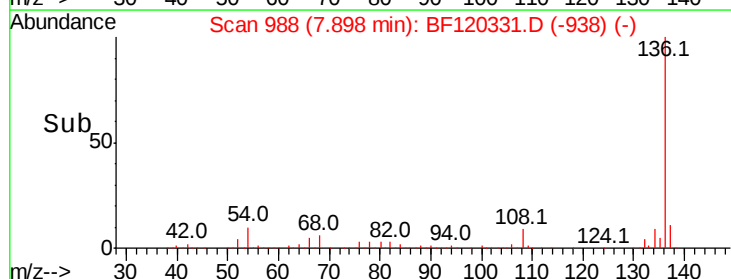
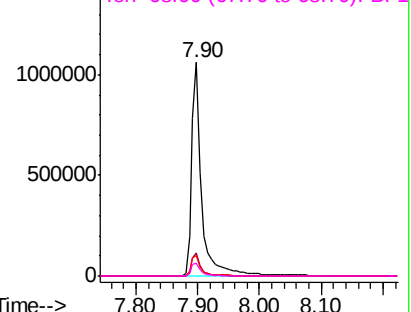


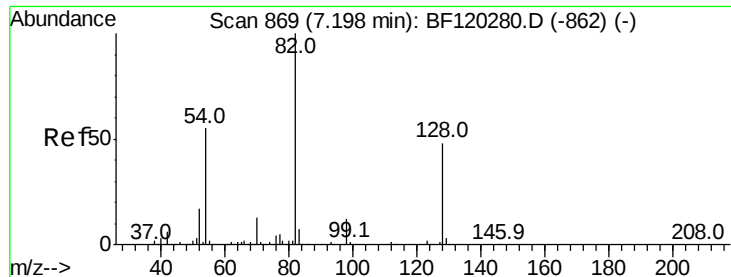
Abundance Ion 136.00 (135.70 to 136.70): E

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



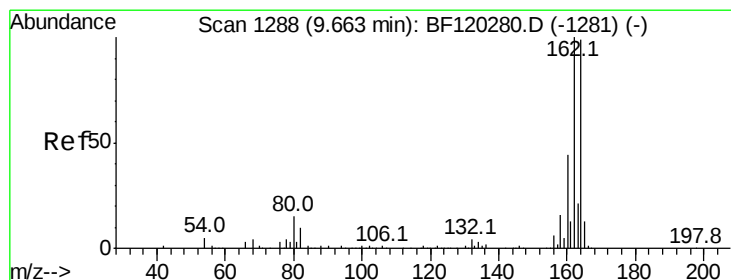
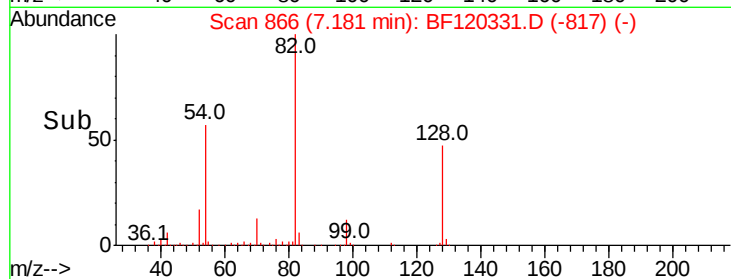
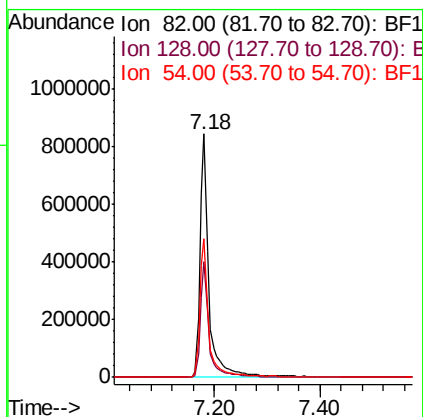
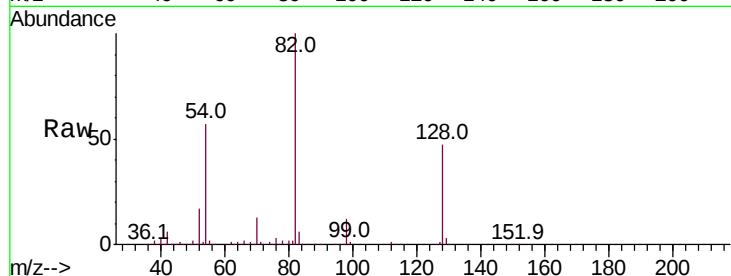


#23
 Nitrobenzene-d5
 Concen: 57.585 ng
 RT: 7.18 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: BF120331.D
 Acq: 15 May 2020 19:43

Instrument :
 BNA_F
 ClientSampleId :
 10025

Tot Ion: 82 Resp: 1009854

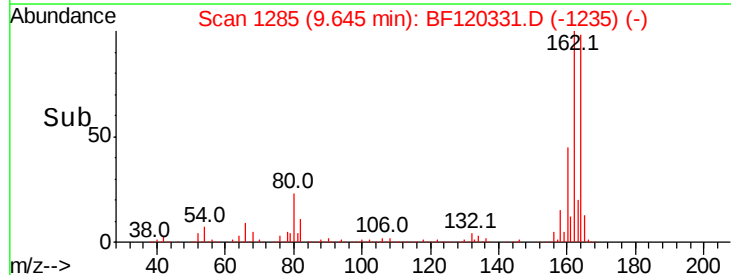
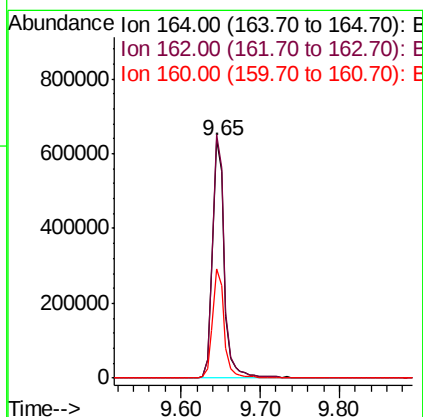
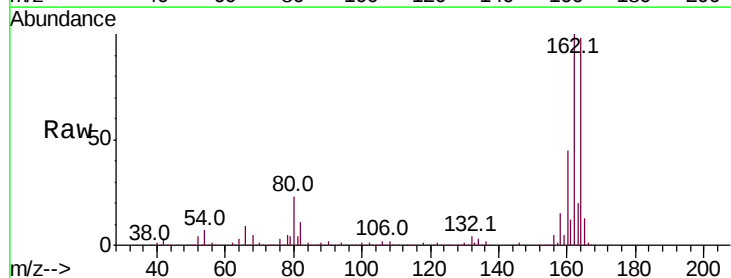
Ion	Ratio	Lower	Upper
82	100		
128	47.3	38.3	57.5
54	57.1	43.9	65.9

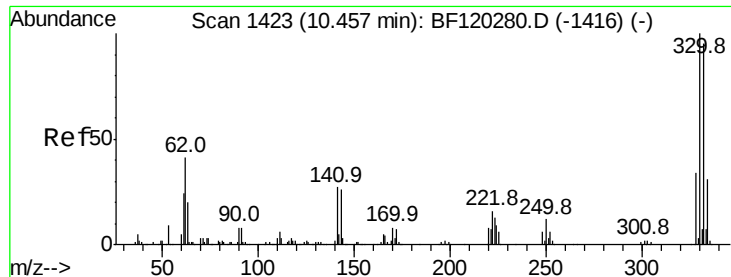


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.65 min Scan# 1285
 Delta R.T. -0.01 min
 Lab File: BF120331.D
 Acq: 15 May 2020 19:43

Tgt Ion:164 Resp: 658118

Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.2	121.8
160	45.8	35.8	53.6





#42

2,4,6-Tribromophenol

Concen: 79.859 ng

RT: 10.44 min Scan# 1420

Delta R.T. -0.01 min

Lab File: BF120331.D

Acq: 15 May 2020 19:43

Instrument :

BNA_F

ClientSampled :

10025

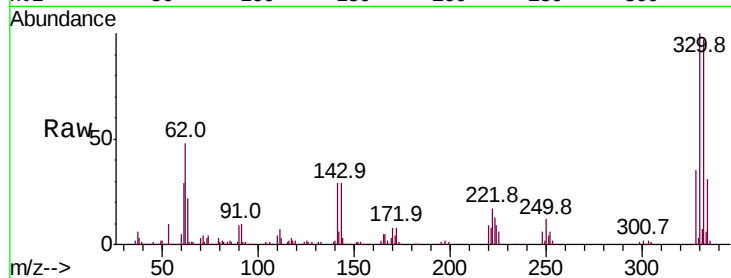
Tot Ion:330 Resp: 428517

Ion Ratio Lower Upper

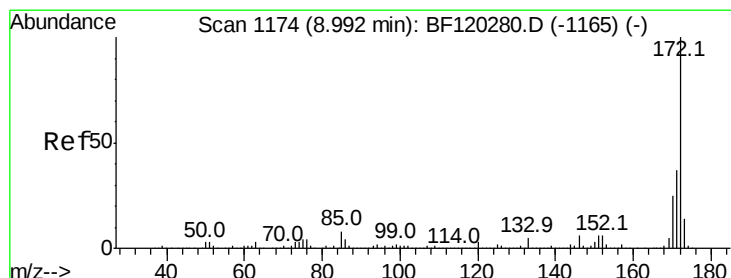
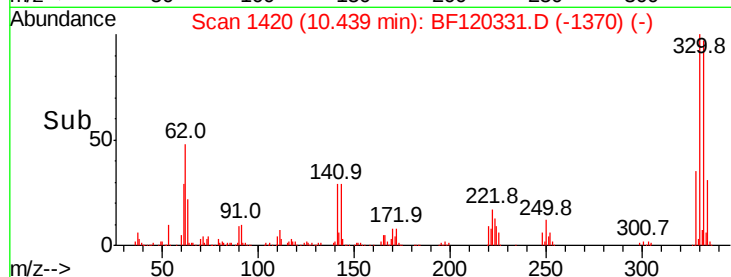
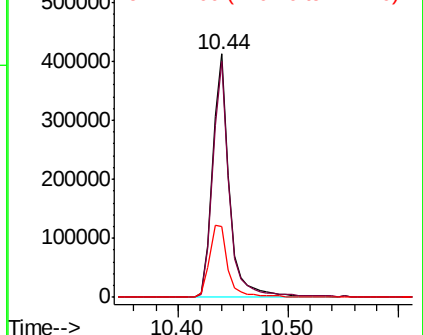
330 100

332 97.4 76.5 114.7

141 32.9 25.4 38.0



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: 64.576 ng

RT: 8.97 min Scan# 1171

Delta R.T. -0.01 min

Lab File: BF120331.D

Acq: 15 May 2020 19:43

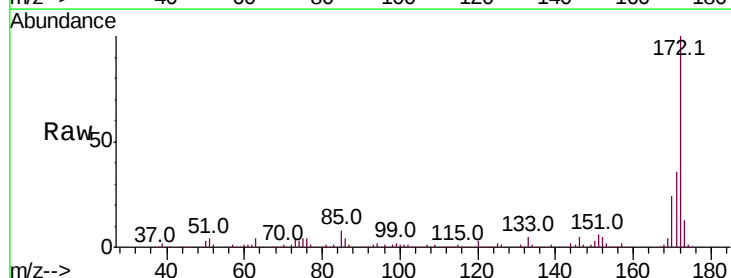
Tgt Ion:172 Resp: 2068592

Ion Ratio Lower Upper

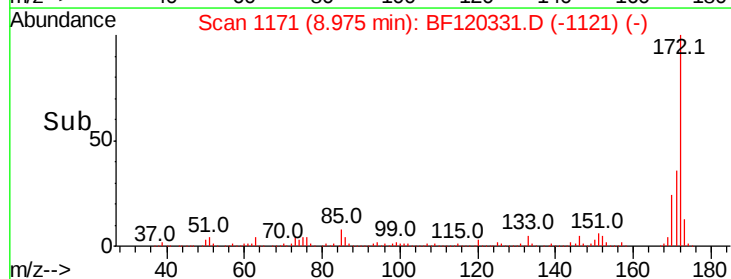
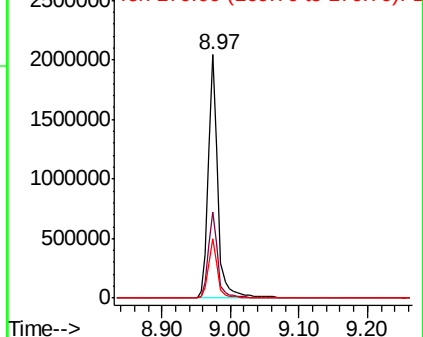
172 100

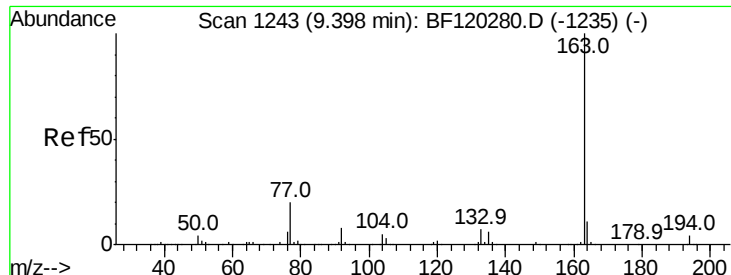
171 35.6 29.7 44.5

170 24.2 19.9 29.9



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

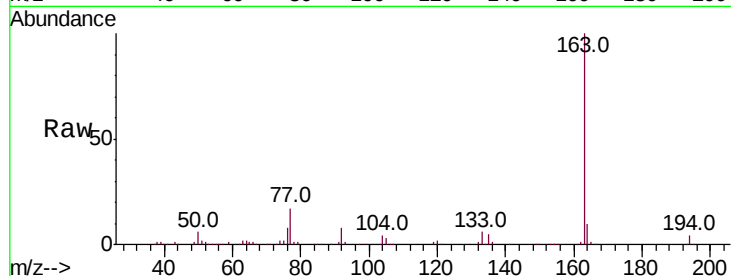




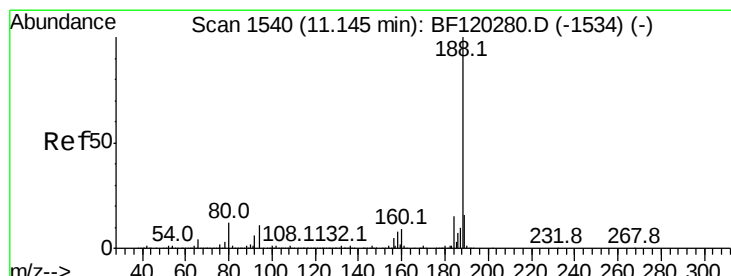
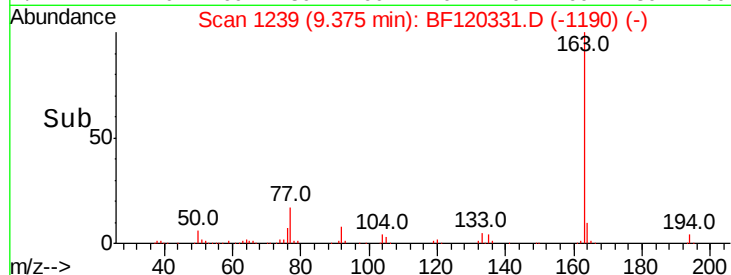
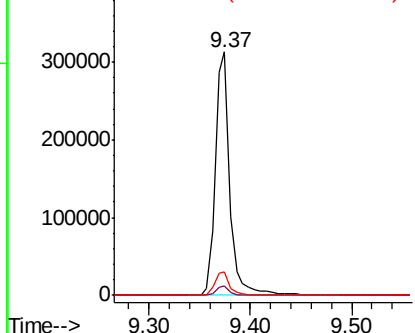
#50
Dimethylphthalate
Concen: 7.507 ng
RT: 9.37 min Scan# 1239
Delta R.T. -0.01 min
Lab File: BF120331.D
Acq: 15 May 2020 19:43

Instrument :
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Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.1	4.7
164	9.8	8.6	12.8

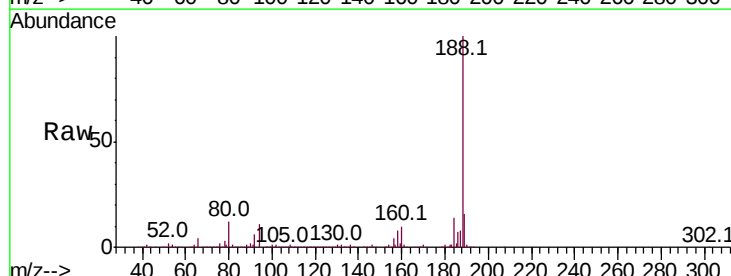


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

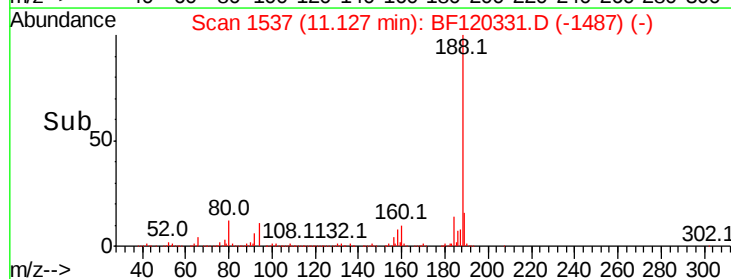
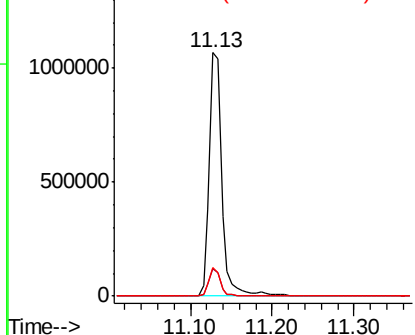


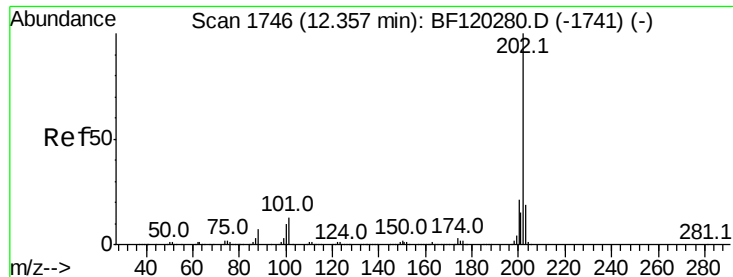
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.13 min Scan# 1537
Delta R.T. -0.01 min
Lab File: BF120331.D
Acq: 15 May 2020 19:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.5	8.6	13.0
80	12.0	9.2	13.8



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





#75

Fluoranthene

Concen: 4.044 ng

RT: 12.34 min Scan# 1743

Delta R.T. -0.01 min

Lab File: BF120331.D

Acq: 15 May 2020 19:43

Instrument :

BNA_F

ClientSampleId :

10025

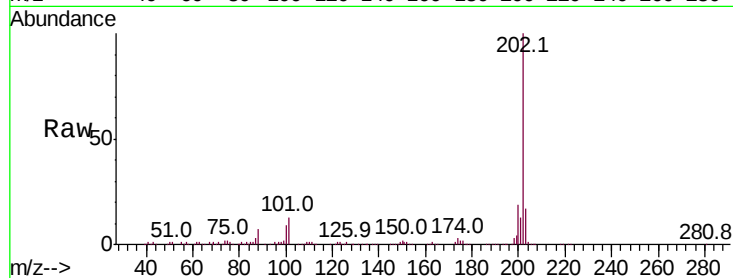
Tot Ion:202 Resp: 207868

Ion Ratio Lower Upper

202 100

101 12.7 0.0 33.2

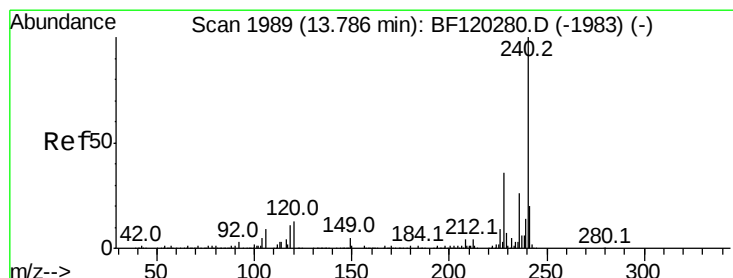
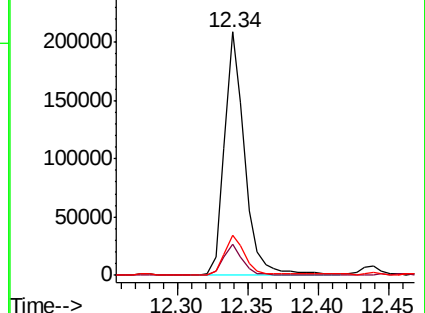
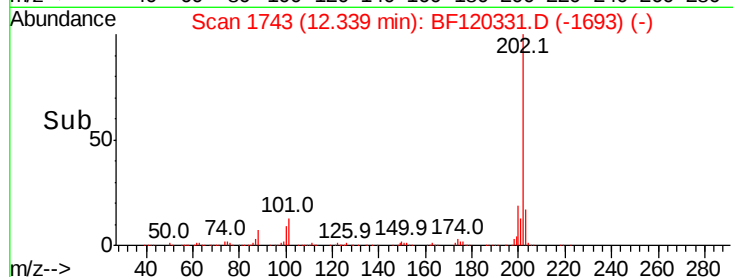
203 16.5 0.0 39.1



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: 13.77 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BF120331.D

Acq: 15 May 2020 19:43

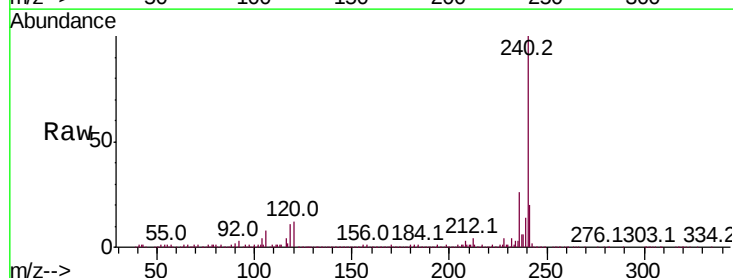
Tgt Ion:240 Resp: 726150

Ion Ratio Lower Upper

240 100

120 12.5 10.4 15.6

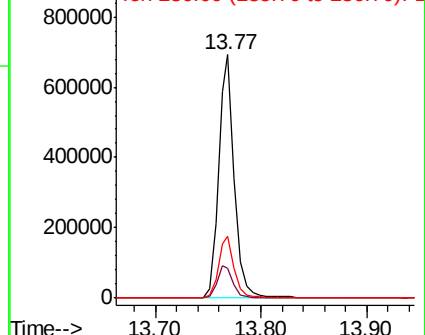
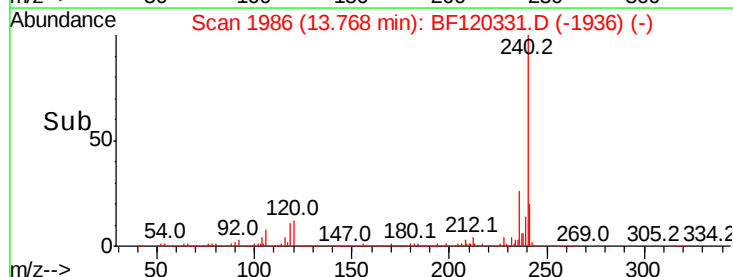
236 25.6 21.0 31.6

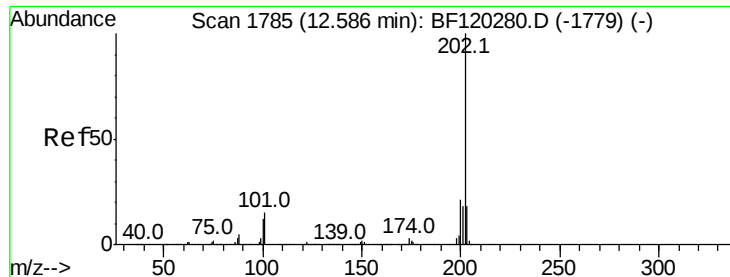


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

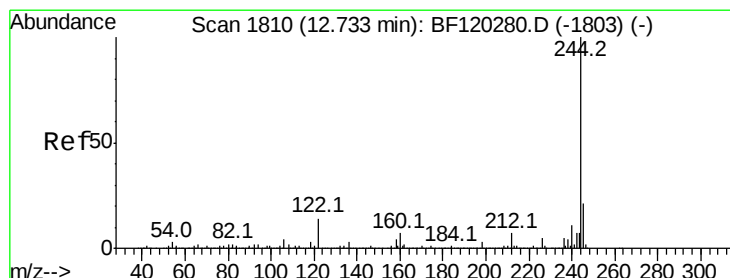
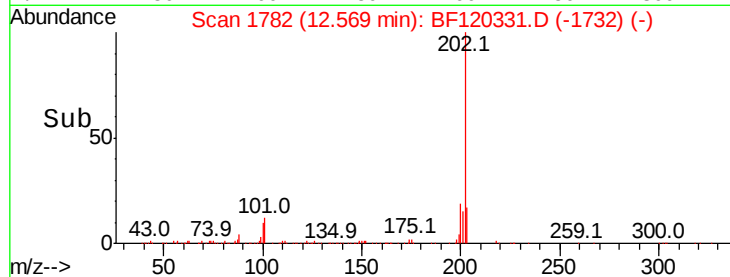
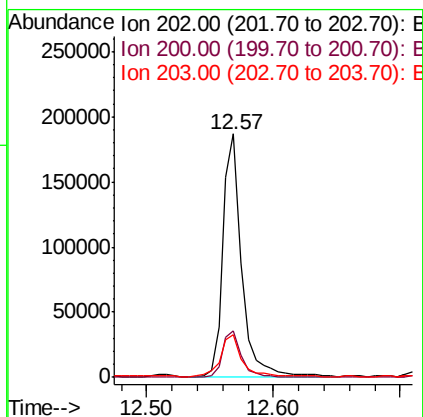
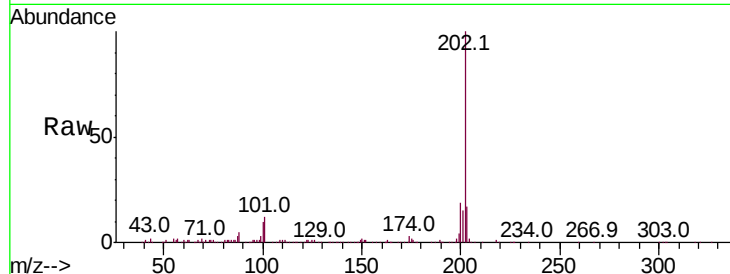




#78
Pvrene
Concen: 3.684 ng
RT: 12.57 min Scan# 1782
Delta R.T. -0.01 min
Lab File: BF120331.D
Acq: 15 May 2020 19:43

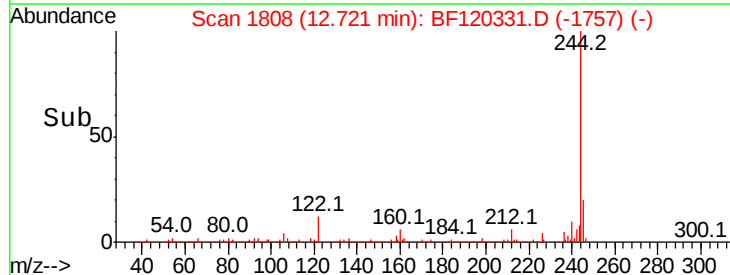
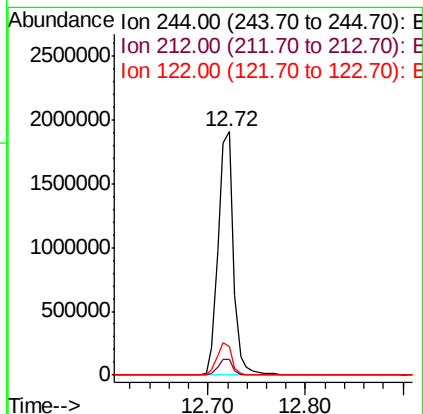
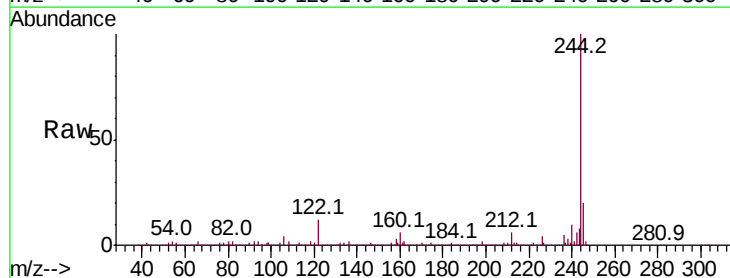
Instrument :
BNA_F
ClientSampleId :
10025

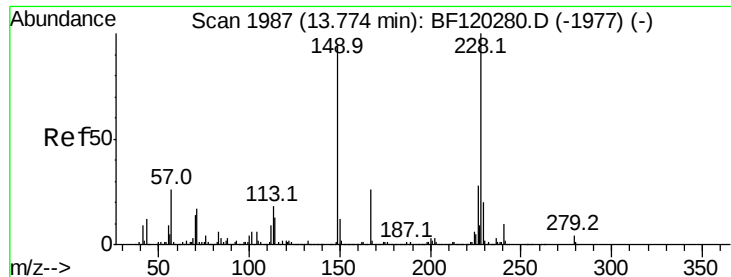
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.0	16.6	25.0
203	17.4	14.6	22.0



#79
Terphenyl-d14
Concen: 63.292 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.00 min
Lab File: BF120331.D
Acq: 15 May 2020 19:43

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.6
122	11.5	10.8	16.2





#81

Benzo(a)anthracene

Concen: 2.601 ng

RT: 13.76 min Scan# 1984

Delta R.T. -0.01 min

Lab File: BF120331.D

Acq: 15 May 2020 19:43

Instrument :

BNA_F

ClientSampleId :

10025

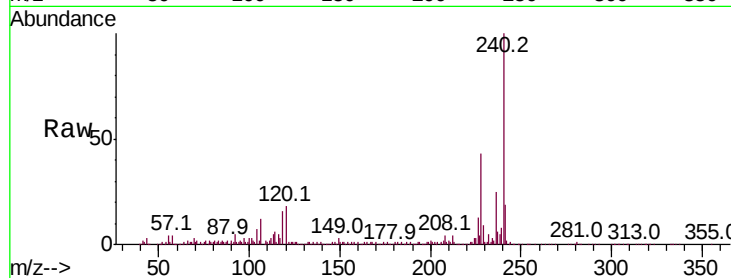
Tot Ion:228 Resp: 99608

Ion Ratio Lower Upper

228 100

226 29.1 22.6 33.8

229 20.2 16.4 24.6

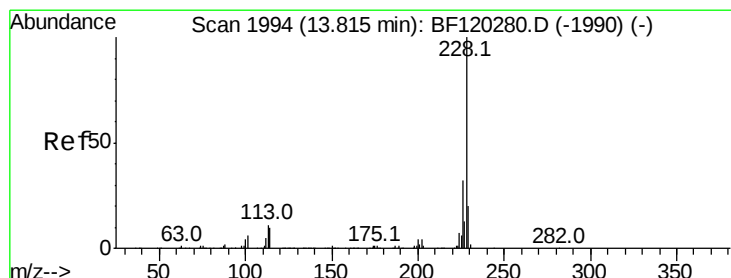
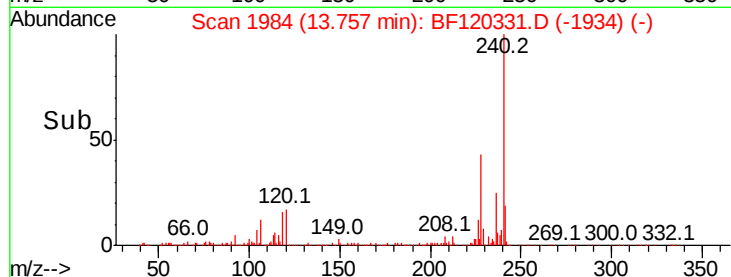
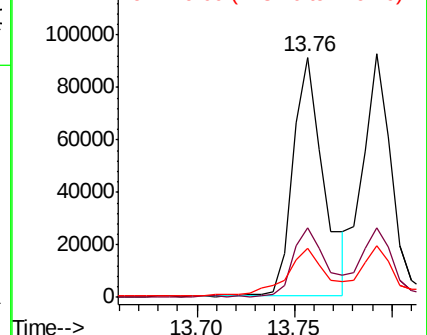


Abundance

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: 2.323 ng

RT: 13.79 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BF120331.D

Acq: 15 May 2020 19:43

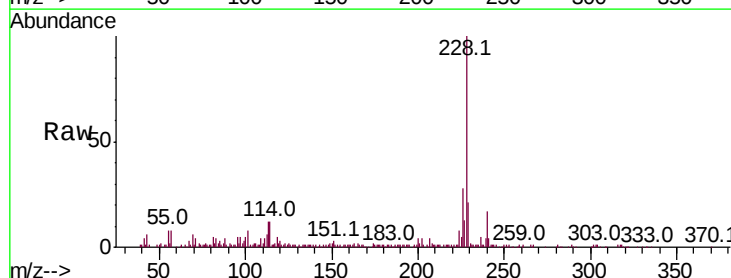
Tgt Ion:228 Resp: 95544

Ion Ratio Lower Upper

228 100

226 28.4 25.0 37.6

229 21.1 16.2 24.4

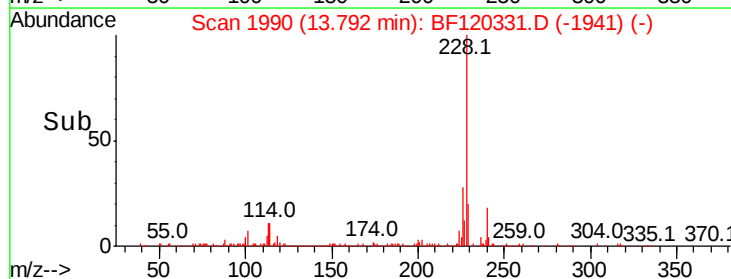
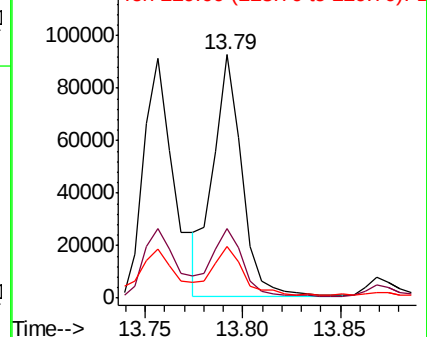


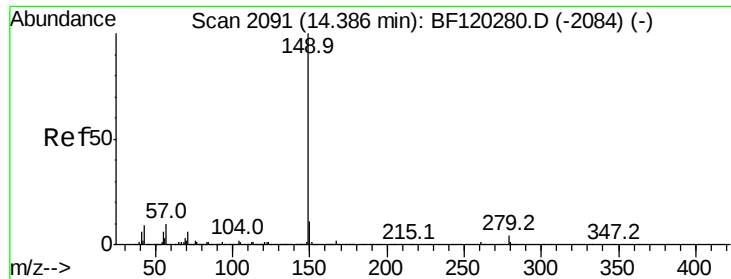
Abundance

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





#85

Di-n-octyl phthalate

Concen: 2.872 ng

RT: 14.36 min Scan# 2087

Delta R.T. -0.01 min

Lab File: BF120331.D

Acq: 15 May 2020 19:43

Instrument :

BNA_F

ClientSampleId :

10025

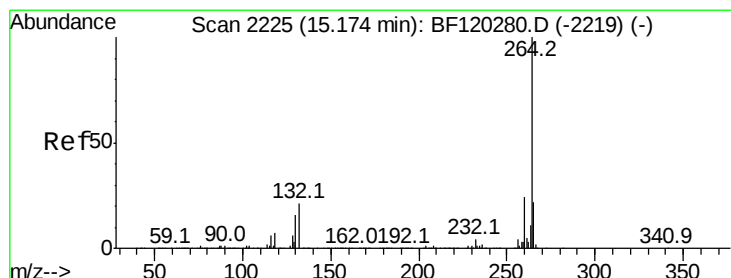
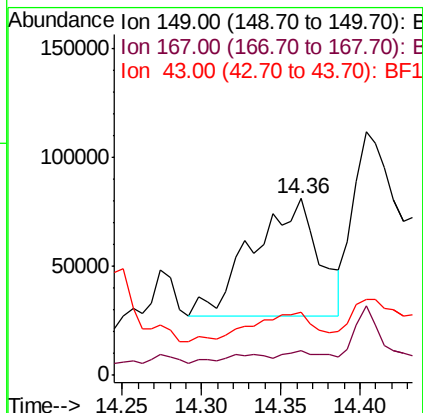
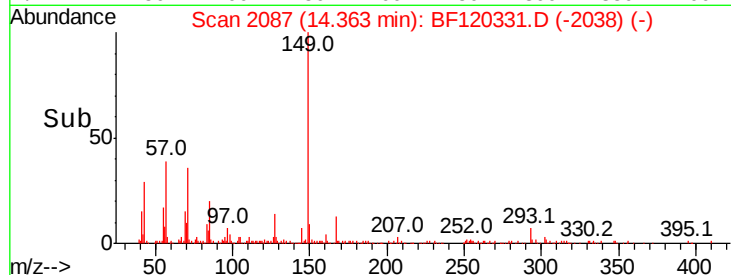
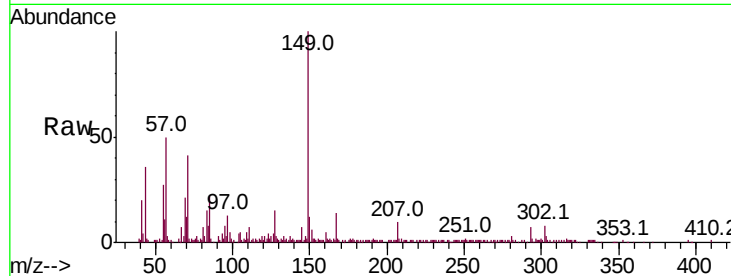
Tot Ion:149 Resp: 156677

Ion Ratio Lower Upper

149 100

167 4.7 1.3 1.9#

43 25.4 7.5 11.3#



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.16 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BF120331.D

Acq: 15 May 2020 19:43

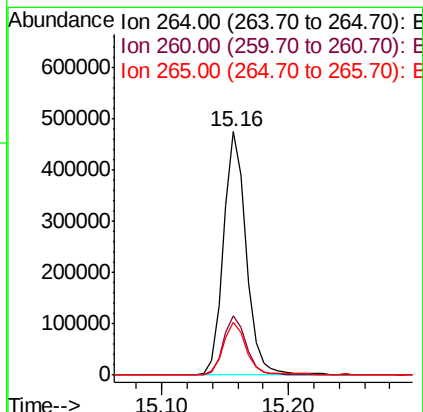
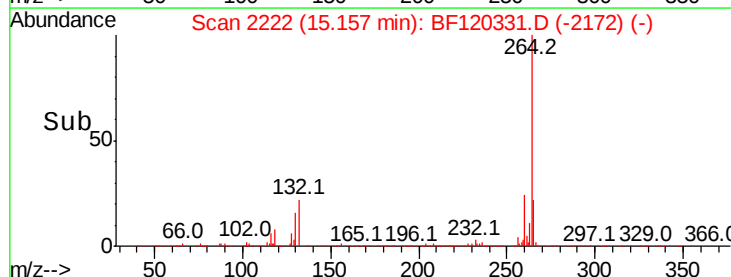
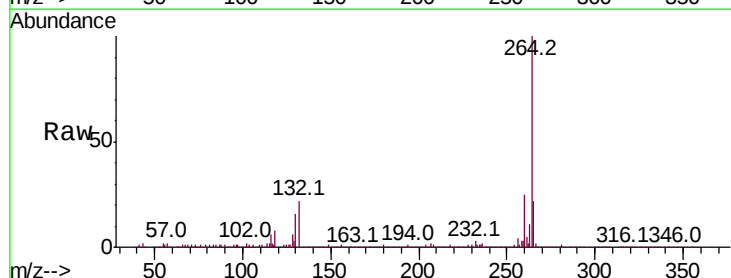
Tgt Ion:264 Resp: 586080

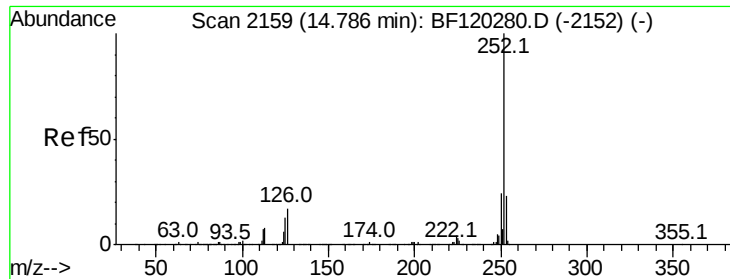
Ion Ratio Lower Upper

264 100

260 24.5 19.0 28.6

265 22.0 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 3.400 ng/mL

RT: 14.77 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BF120331.D

Acq: 15 May 2020 19:43

Instrument :

BNA_F

ClientSampled :

10025

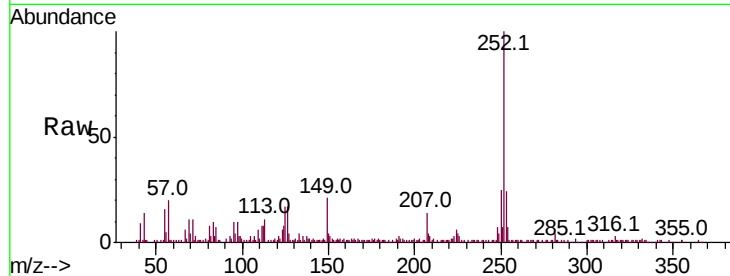
Tot Ion:252 Resp: 108837

Ion Ratio Lower Upper

252 100

253 23.9 18.1 27.1

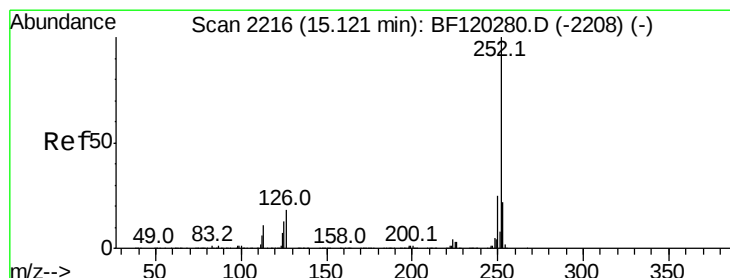
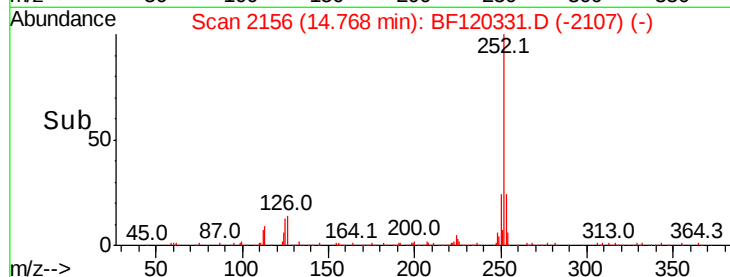
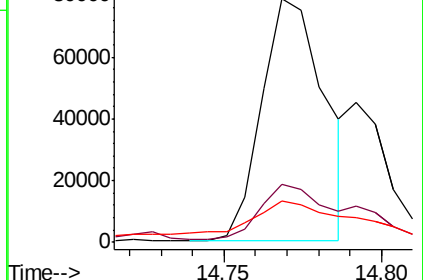
125 17.0 10.4 15.6#



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



#90

Benzo(a)pyrene

Concen: 2.681 ng/mL

RT: 15.10 min Scan# 2212

Delta R.T. -0.01 min

Lab File: BF120331.D

Acq: 15 May 2020 19:43

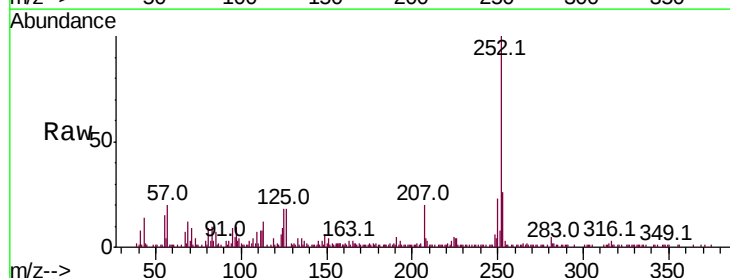
Tgt Ion:252 Resp: 76944

Ion Ratio Lower Upper

252 100

253 25.9 17.6 26.4

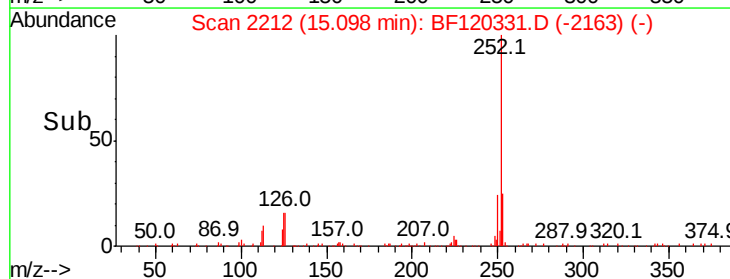
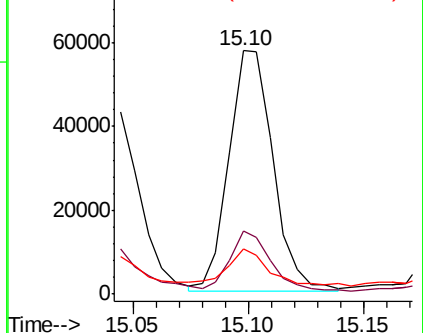
125 18.3 10.6 16.0#

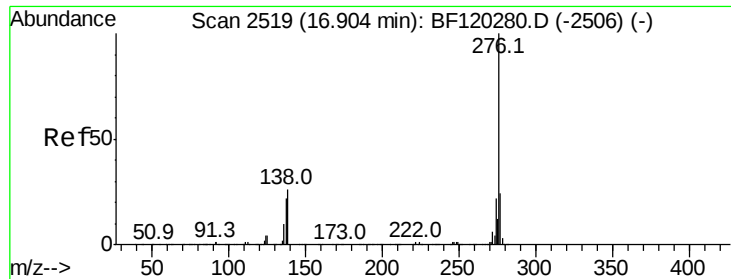


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

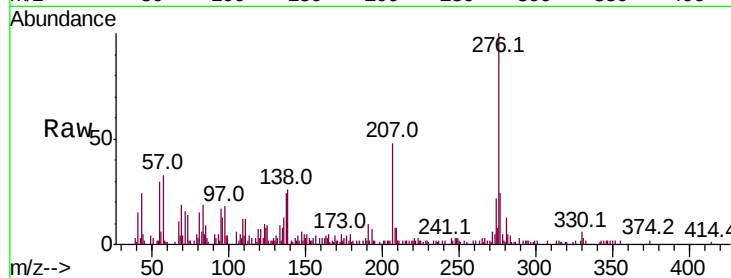




#92
 Benzo(a,h,i)perylene
 Concen: 2.062 ng
 RT: 16.87 min Scan# 2514
 Delta R.T. -0.01 min
 Lab File: BF120331.D
 Acq: 15 May 2020 19:43

Instrument :
 BNA_F
 ClientSampleId :
 10025

Tot Ion:276 Resp: 52883
 Ion Ratio Lower Upper
 276 100
 277 24.5 19.1 28.7
 138 25.6 20.8 31.2



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

