

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
 Data File : BF112983.D
 Acq On : 12 Mar 2019 4:49
 Operator : JU/SJ
 Sample : K1817-14
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PST-027-B116-030619

Quant Time: Mar 12 07:45:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

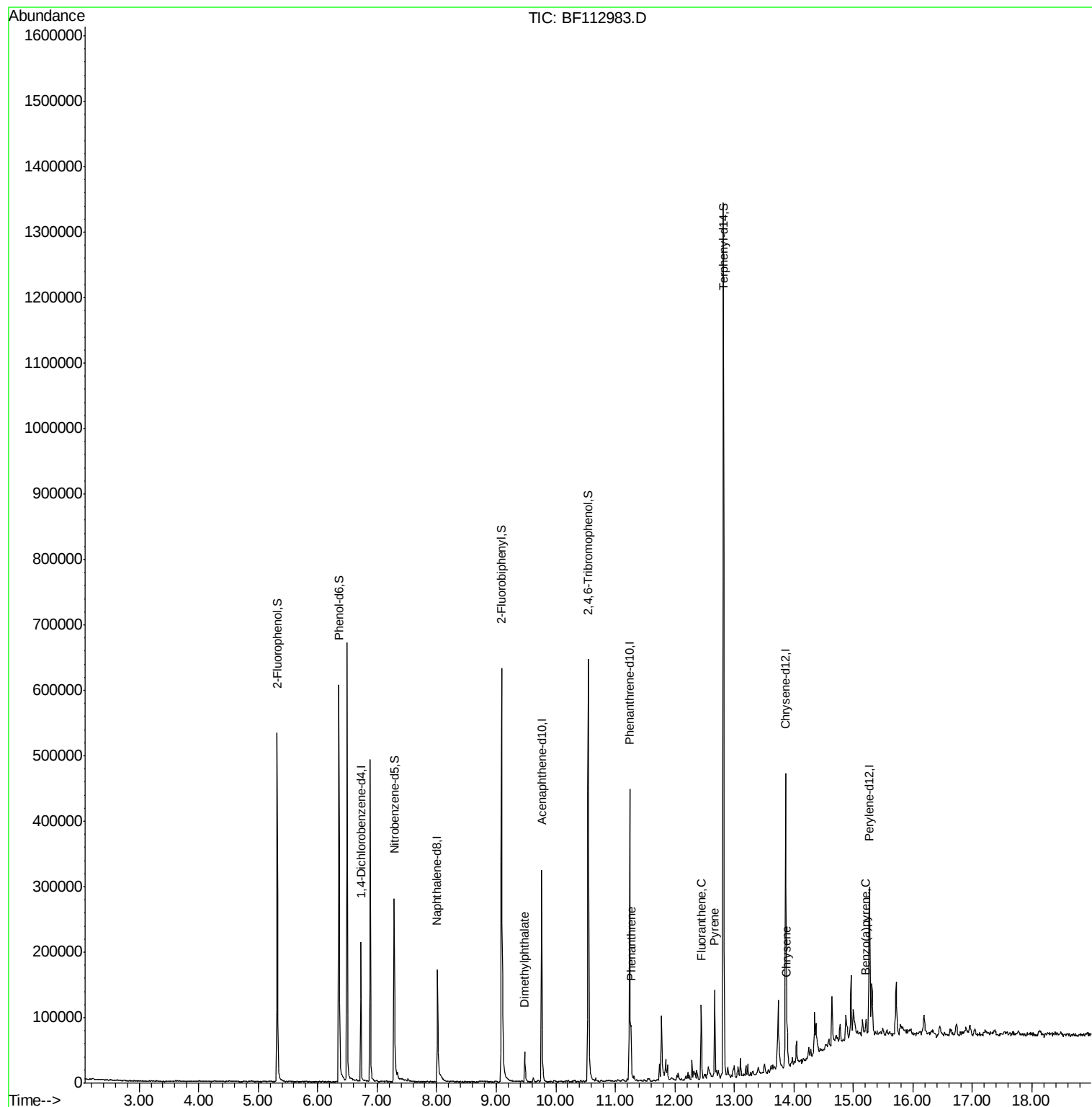
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	30272	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	129767	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	76326	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	191564	20.00	ng	0.00
76) Chrysene-d12	13.86	240	155335	20.00	ng	-0.01
87) Perylene-d12	15.27	264	119194	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	166886	85.76	ng	-0.02
7) Phenol-d6	6.36	99	214211	87.63	ng	-0.01
23) Nitrobenzene-d5	7.29	82	114520	52.81	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	98450	121.50	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	289357	57.70	ng	-0.01
79) Terphenyl-d14	12.82	244	462533	57.72	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.48	163	22934	4.075	ng	Qvalue # 99
71) Phenanthrene	11.26	178	29476	3.093	ng	98
75) Fluoranthene	12.45	202	46513	4.555	ng	97
78) Pyrene	12.67	202	57466	4.388	ng	99
83) Chrysene	13.89	228	24960m	2.367	ng	
90) Benzo(a)pyrene	15.21	252	15275	2.240	ng	# 91

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

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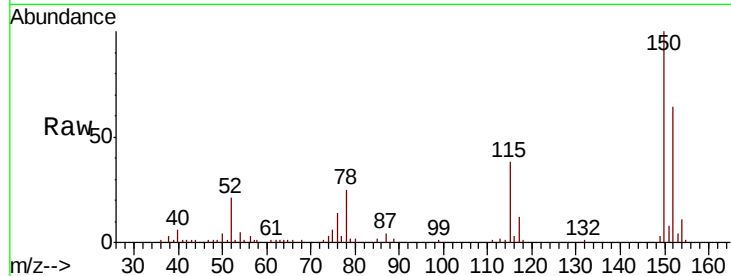


#1

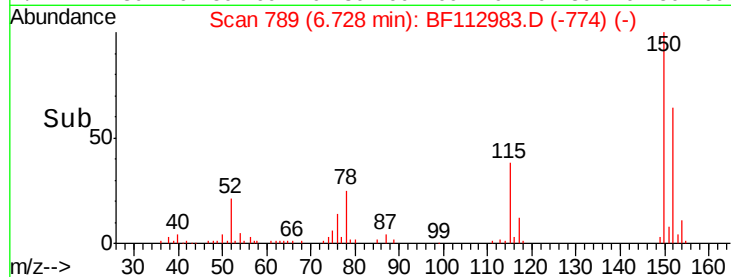
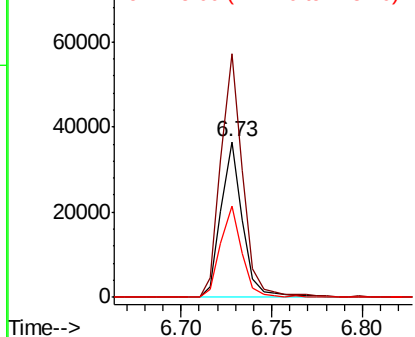
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF112983.D
Acq: 12 Mar 2019 4:49

Instrument :
BNA_F
ClientSampleId :
PST-027-B116-030619

Tot Ion:152 Resp: 30272
Ion Ratio Lower Upper
152 100
150 156.2 124.2 186.2
115 59.0 48.2 72.4



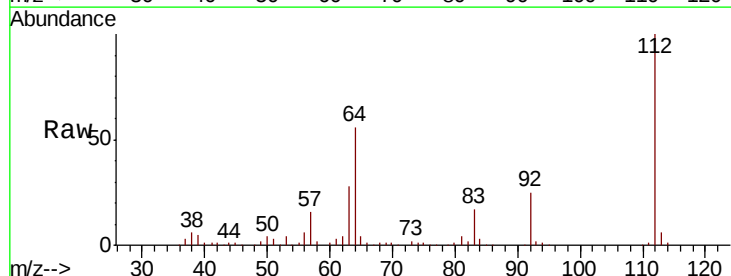
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



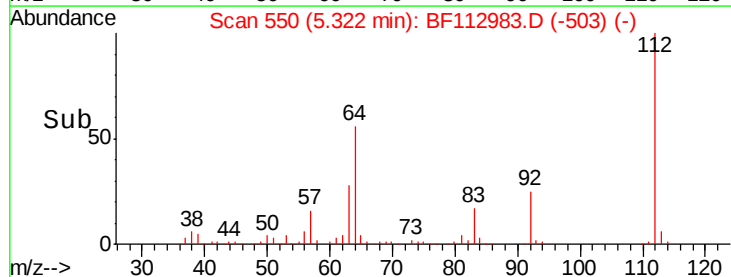
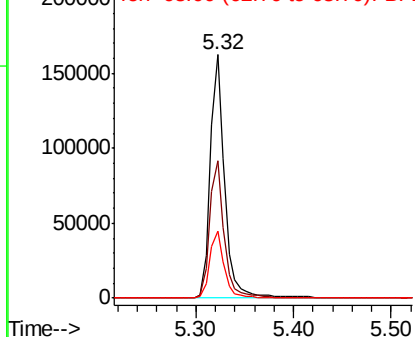
#5

2-Fluorophenol
Concen: 85.755 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.02 min
Lab File: BF112983.D
Acq: 12 Mar 2019 4:49

Tgt Ion:112 Resp: 166886
Ion Ratio Lower Upper
112 100
64 56.5 47.6 71.4
63 27.7 24.4 36.6



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: 87.627 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF112983.D

Acq: 12 Mar 2019 4:49

Instrument :

BNA_F

ClientSampleId :

PST-027-B116-030619

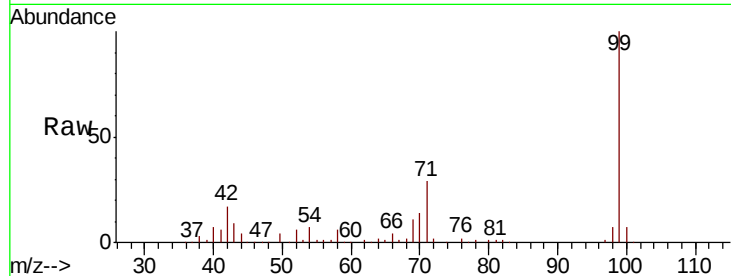
Tot Ion: 99 Resp: 214211

Ion Ratio Lower Upper

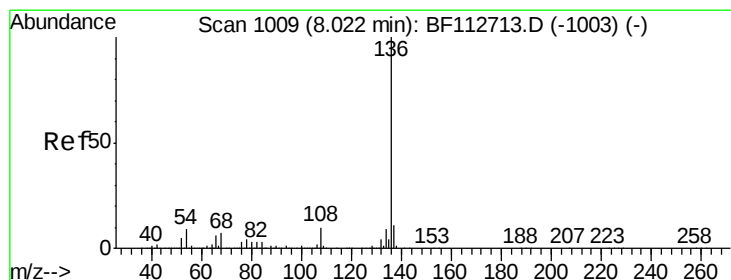
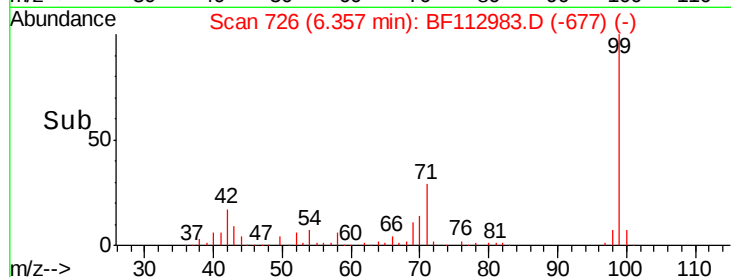
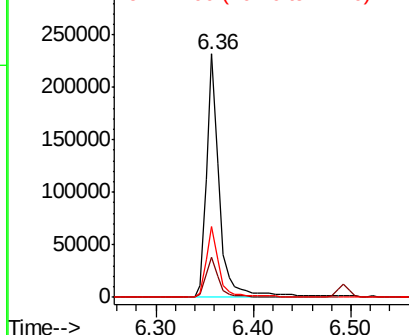
99 100

42 16.7 16.3 24.5

71 29.3 26.2 39.4



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: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF112983.D

Acq: 12 Mar 2019 4:49

Tgt Ion: 136 Resp: 129767

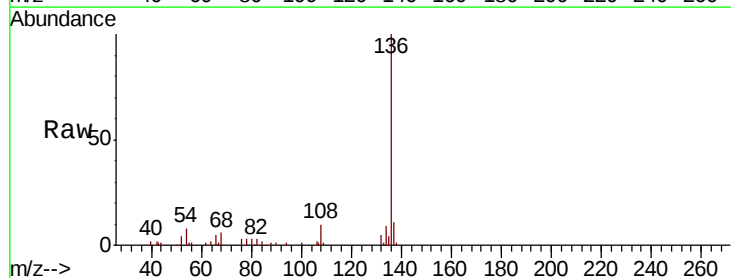
Ion Ratio Lower Upper

136 100

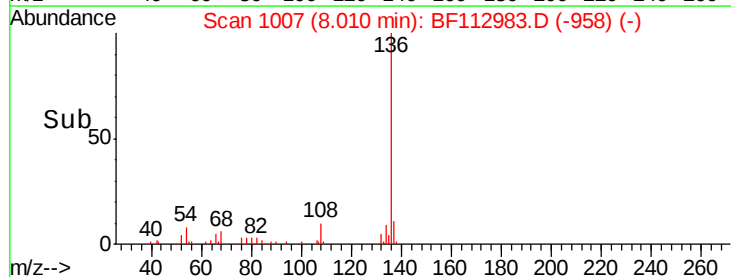
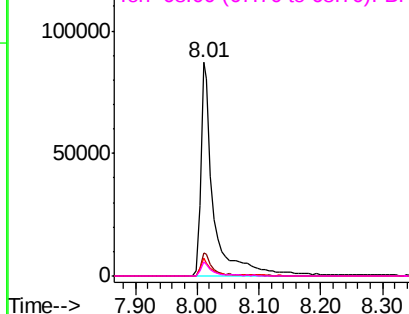
137 11.1 8.9 13.3

54 8.2 7.3 10.9

68 6.4 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

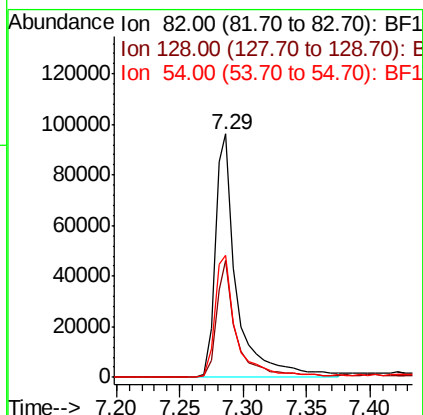
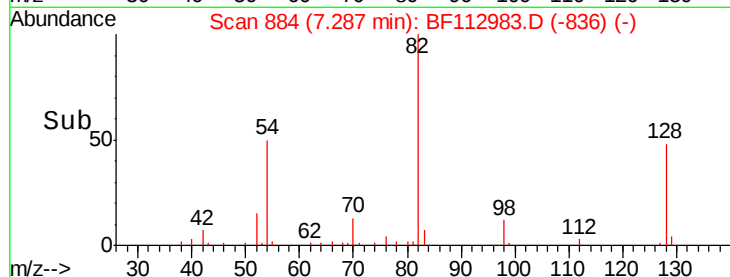
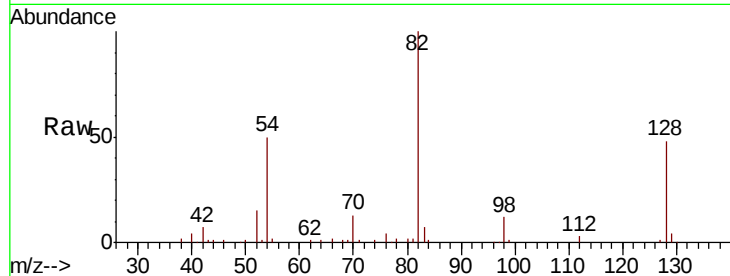




#23
Nitrobenzene-d5
Concen: 52.807 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112983.D
Acq: 12 Mar 2019 4:49

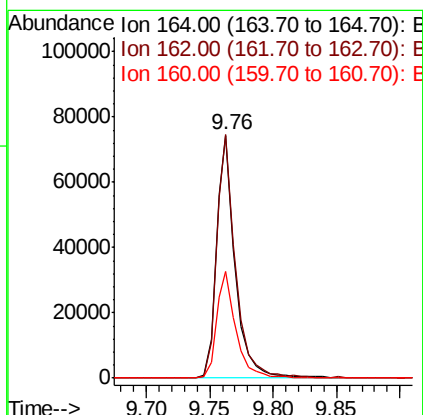
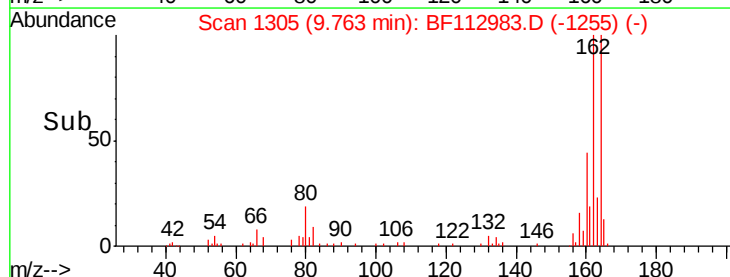
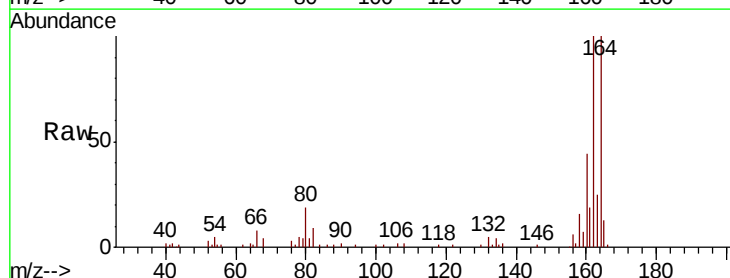
Instrument :
BNA_F
ClientSampleId :
PST-027-B116-030619

Tot Ion: 82 Resp: 114520
Ion Ratio Lower Upper
82 100
128 48.1 36.3 54.5
54 50.2 43.7 65.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF112983.D
Acq: 12 Mar 2019 4:49

Tgt Ion: 164 Resp: 76326
Ion Ratio Lower Upper
164 100
162 100.4 80.6 120.8
160 43.9 36.0 54.0

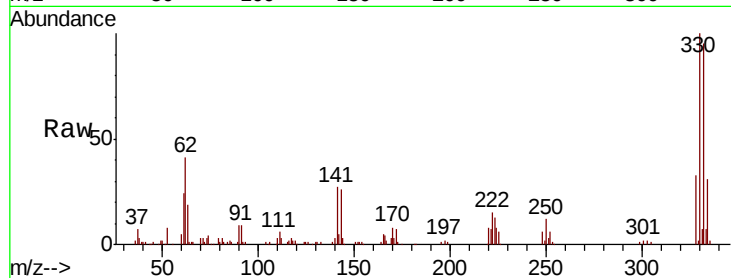




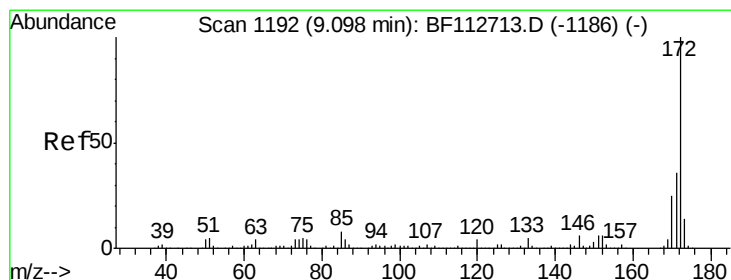
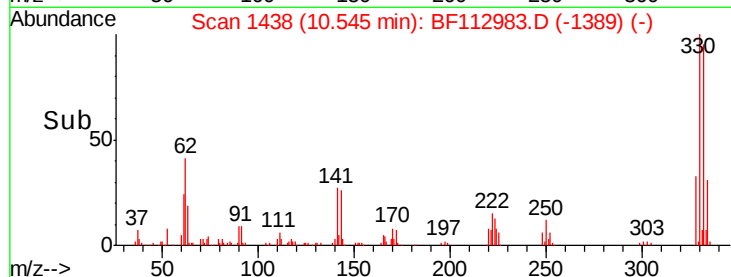
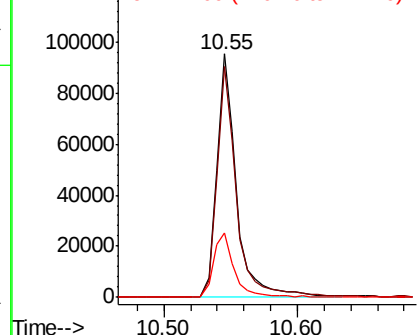
#42
 2,4,6-Tribromophenol
 Concen: 121.499 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF112983.D
 Acq: 12 Mar 2019 4:49

Instrument :
 BNA_F
 ClientSampleId :
 PST-027-B116-030619

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.2	114.4
141	28.4	27.0	40.6

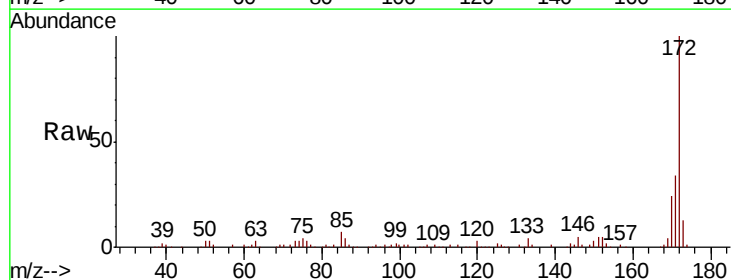


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

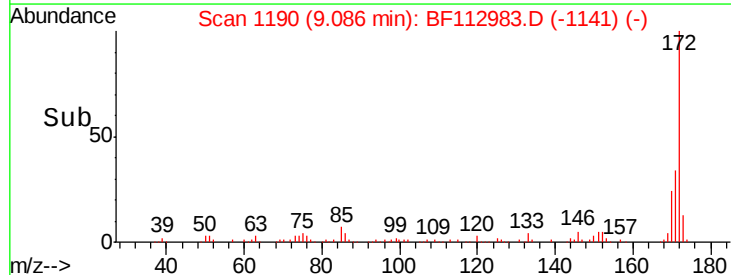
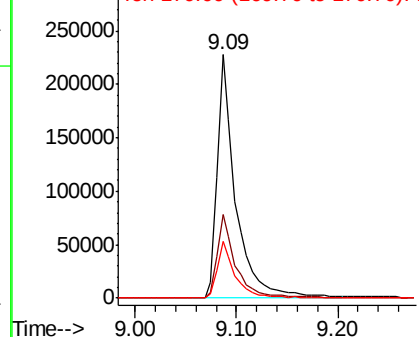


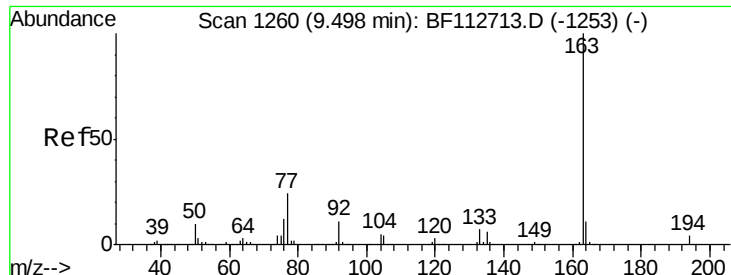
#45
 2-Fluorobiphenyl
 Concen: 57.704 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF112983.D
 Acq: 12 Mar 2019 4:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	29.0	43.4
170	23.5	20.0	30.0



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

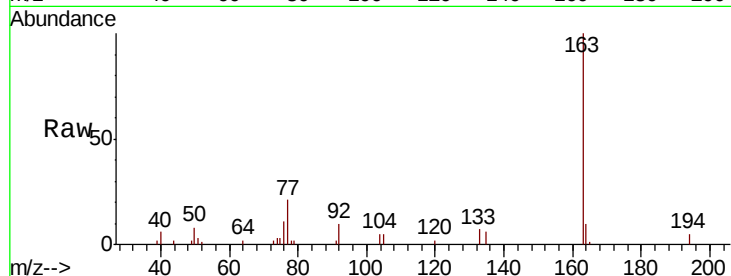




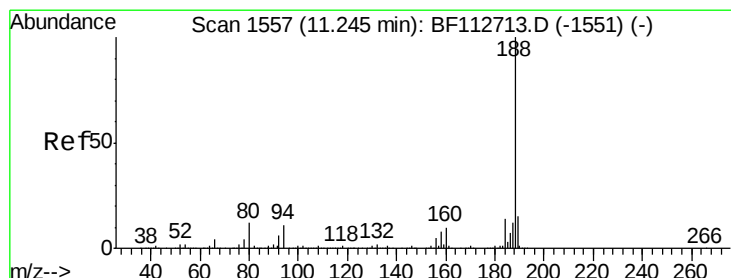
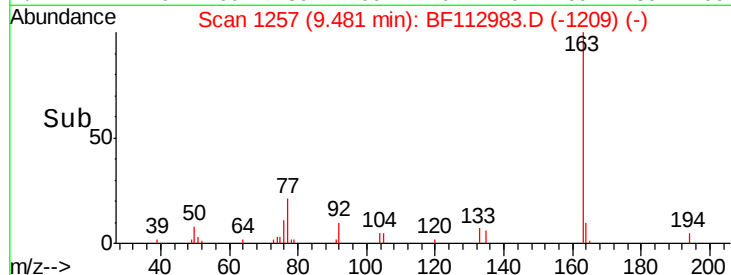
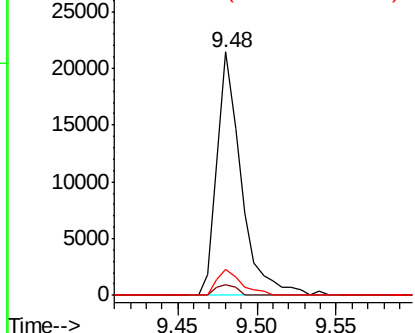
#50
Dimethylphthalate
Concen: 4.075 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF112983.D
Acq: 12 Mar 2019 4:49

Instrument :
BNA_F
ClientSampleId :
PST-027-B116-030619

Tot Ion:163 Resp: 22934
Ion Ratio Lower Upper
163 100
194 4.5 3.0 4.4#
164 10.4 8.4 12.6

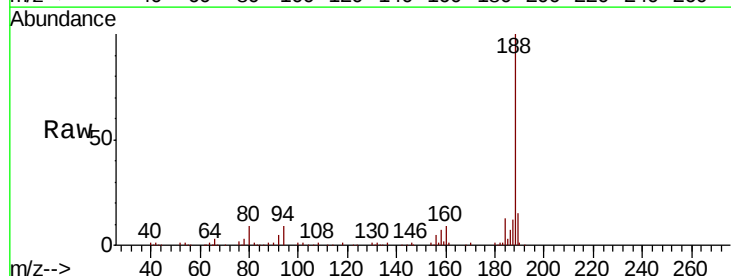


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

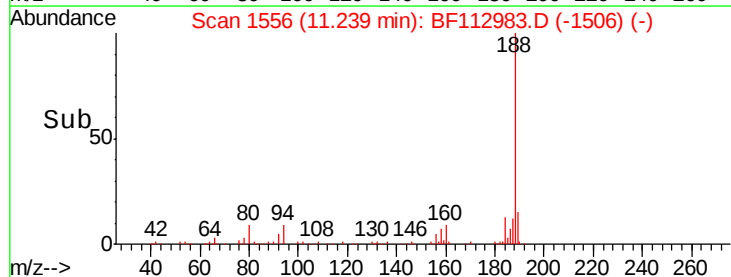
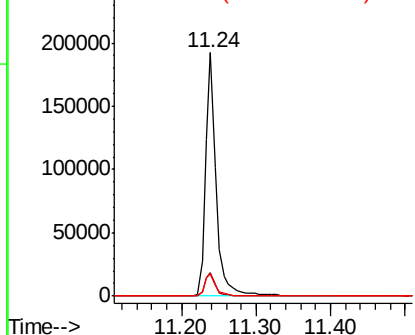


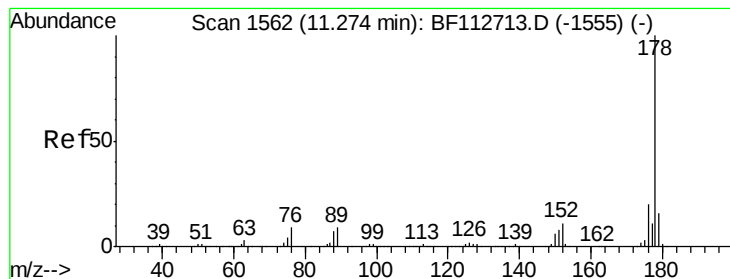
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF112983.D
Acq: 12 Mar 2019 4:49

Tgt Ion:188 Resp: 191564
Ion Ratio Lower Upper
188 100
94 9.4 9.0 13.4
80 9.3 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





#71

Phenanthrene

Concen: 3.093 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF112983.D

Acq: 12 Mar 2019 4:49

Instrument :

BNA_F

ClientSampleId :

PST-027-B116-030619

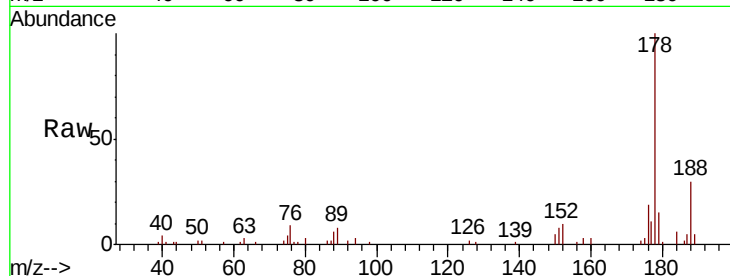
Tot Ion:178 Resp: 29476

Ion Ratio Lower Upper

178 100

176 19.0 16.3 24.5

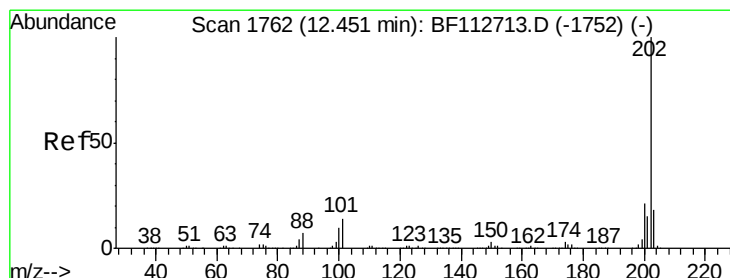
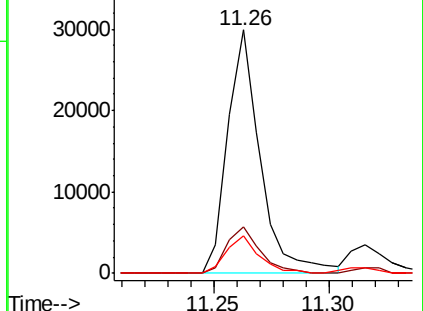
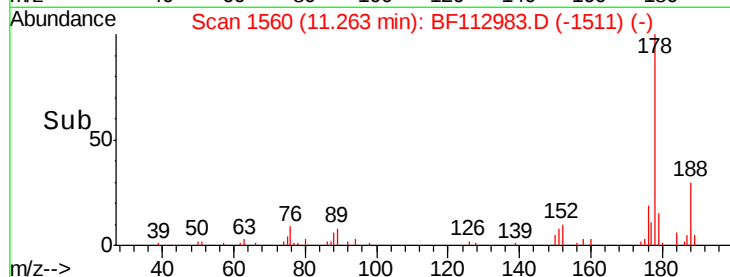
179 15.4 12.7 19.1



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: 4.555 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF112983.D

Acq: 12 Mar 2019 4:49

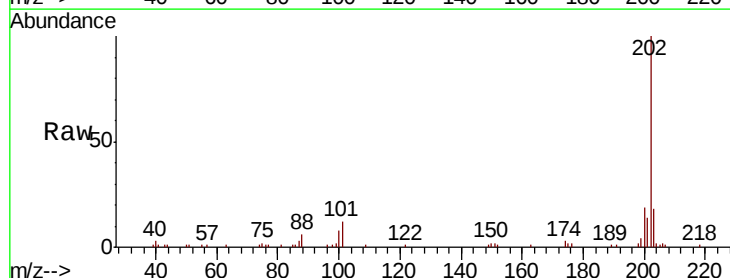
Tgt Ion:202 Resp: 46513

Ion Ratio Lower Upper

202 100

101 11.7 0.0 33.8

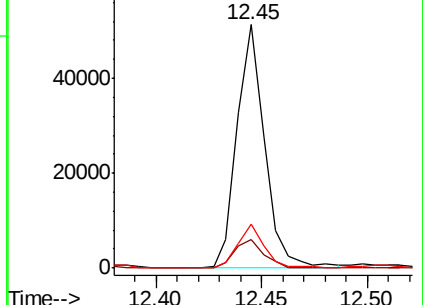
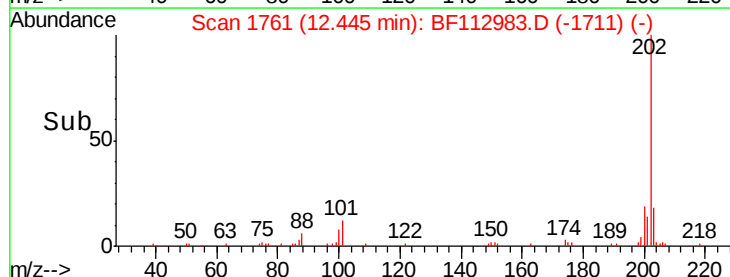
203 18.2 0.0 38.4

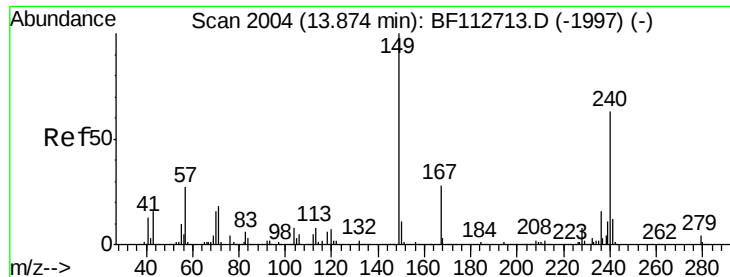


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

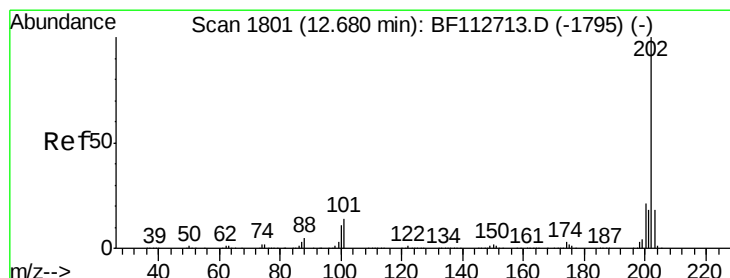
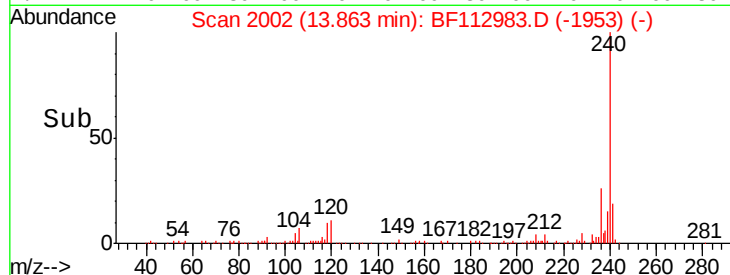
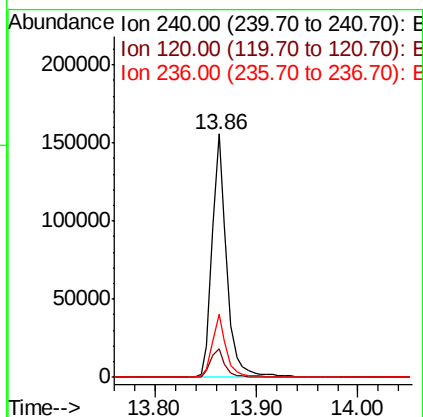
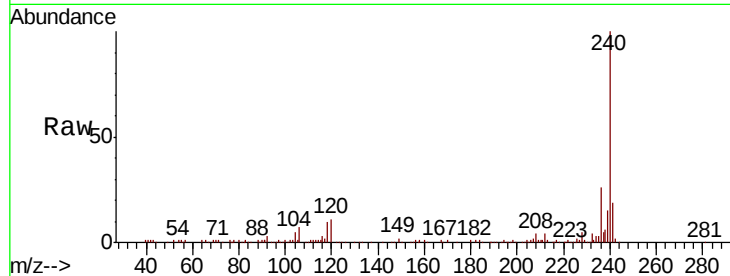




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF112983.D
Acq: 12 Mar 2019 4:49

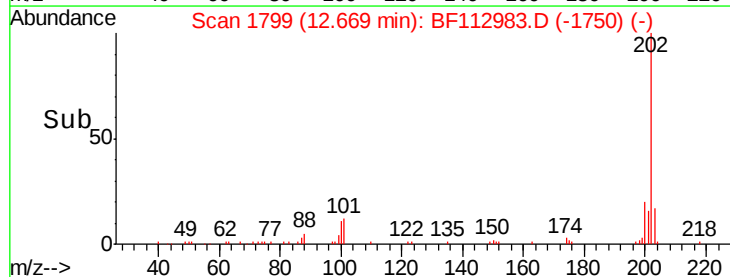
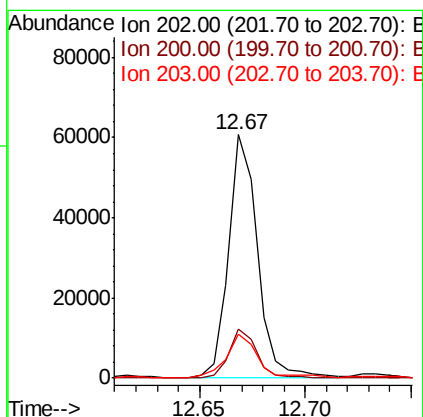
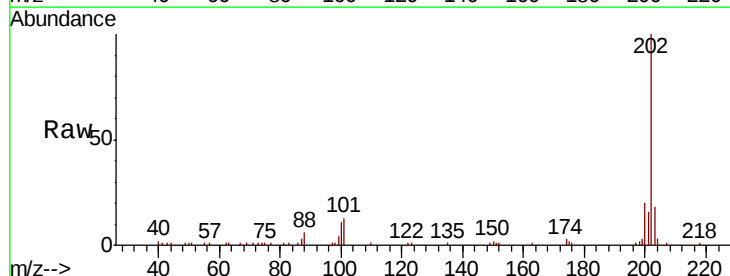
Instrument :
BNA_F
ClientSampleId :
PST-027-B116-030619

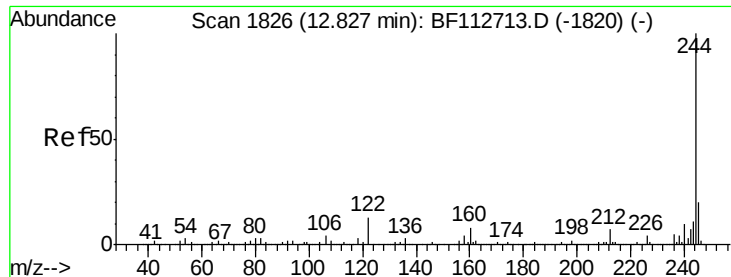
Tot Ion:240 Resp: 155335
Ion Ratio Lower Upper
240 100
120 11.5 8.9 13.3
236 25.7 20.7 31.1



#78
Pyrene
Concen: 4.388 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF112983.D
Acq: 12 Mar 2019 4:49

Tgt Ion:202 Resp: 57466
Ion Ratio Lower Upper
202 100
200 20.2 17.0 25.4
203 18.0 14.4 21.6

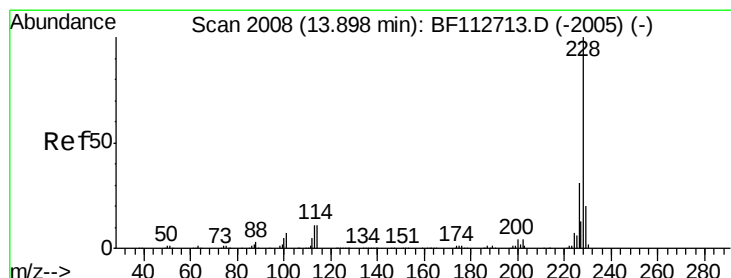
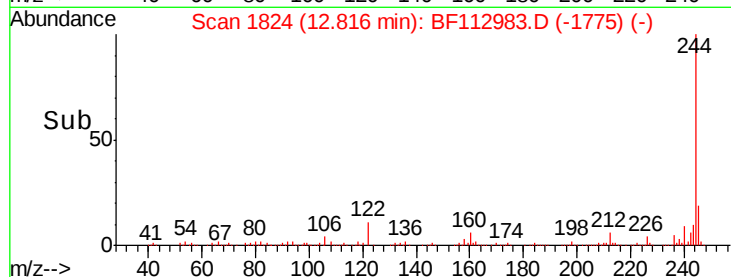
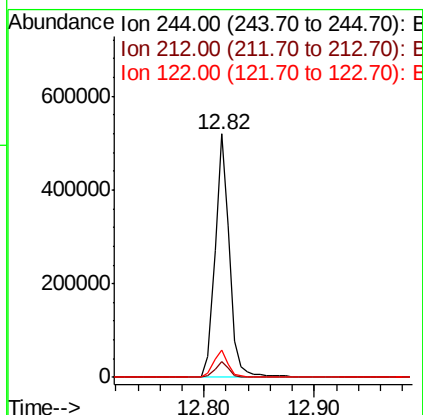
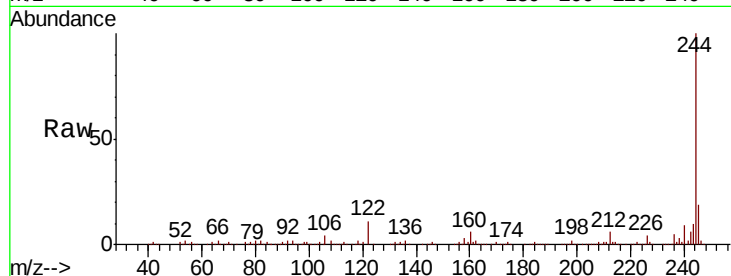




#79
 Terphenyl-d14
 Concen: 57.722 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF112983.D
 Acq: 12 Mar 2019 4:49

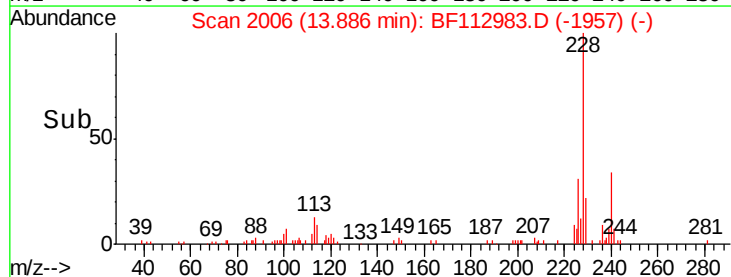
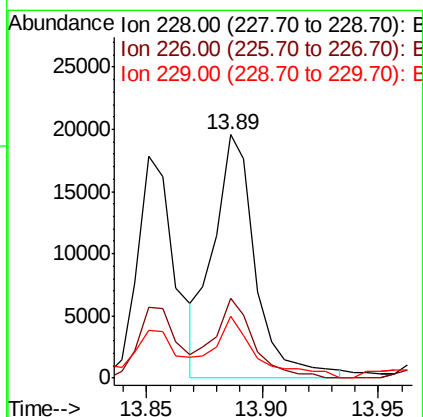
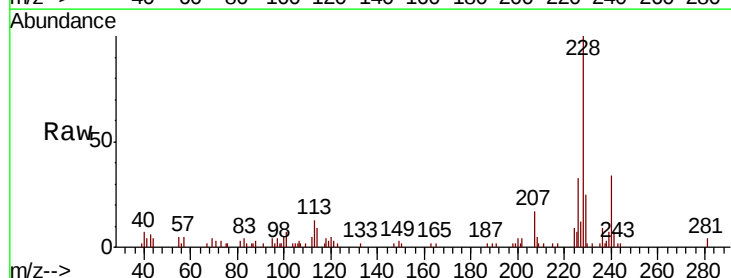
Instrument :
 BNA_F
 ClientSampleId :
 PST-027-B116-030619

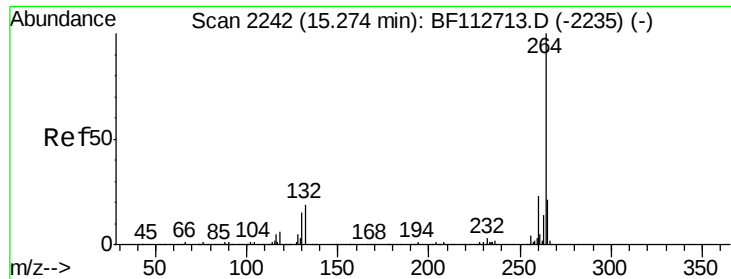
Tot Ion:244 Resp: 462533
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.6 8.4
 122 11.3 10.5 15.7



#83
 Chrysene
 Concen: 2.367 ng m
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF112983.D
 Acq: 12 Mar 2019 4:49

Tgt Ion:228 Resp: 24960
 Ion Ratio Lower Upper
 228 100
 226 32.5 24.9 37.3
 229 25.3 16.3 24.5#



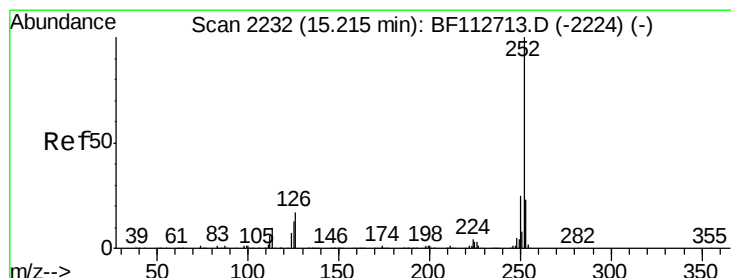
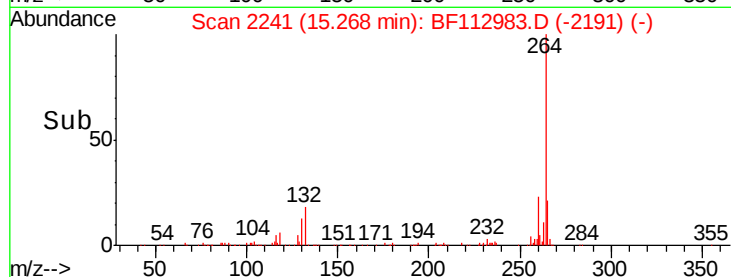
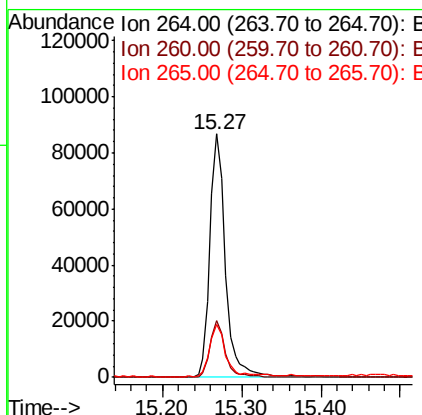
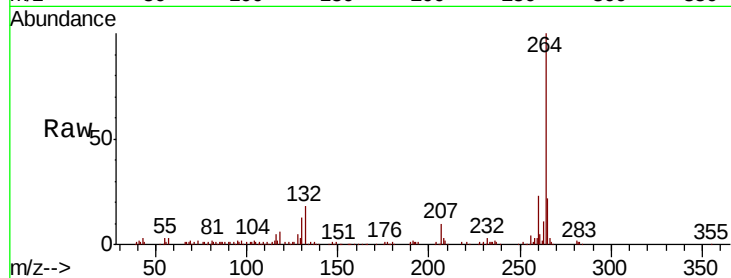


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF112983.D
Acq: 12 Mar 2019 4:49

Instrument :
BNA_F
ClientSampleId :
PST-027-B116-030619

Tot Ion:264 Resp: 119194

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	21.6	17.2	25.8



#90
Benzo(a)pyrene
Concen: 2.240 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF112983.D
Acq: 12 Mar 2019 4:49

Tgt Ion:252 Resp: 15275

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	21.4	10.7	16.1#

