

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012919\
 Data File : BF112293.D
 Acq On : 29 Jan 2019 14:20
 Operator : JU/SJ
 Sample : K1008-03 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-012819

Quant Time: Jan 30 00:06:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

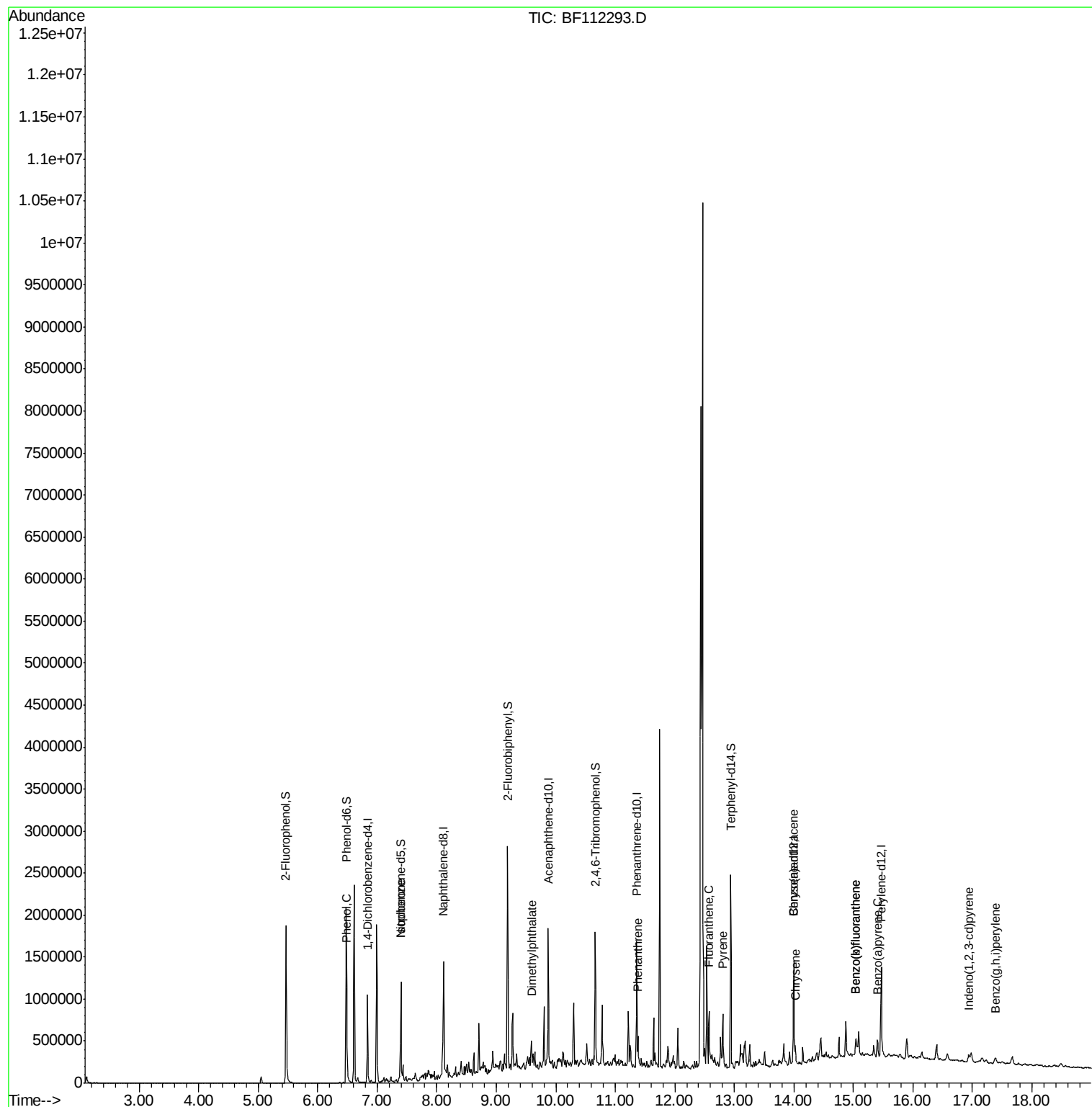
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	173711	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	673157	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	321217	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	584007	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	380850	20.00	ng	-0.01
87) Perylene-d12	15.47	264	410929	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	552872	67.60	ng	-0.01
7) Phenol-d6	6.48	99	692952	60.98	ng	-0.01
23) Nitrobenzene-d5	7.40	82	423416	36.24	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	197673	52.87	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	843990	37.16	ng	-0.01
79) Terphenyl-d14	12.94	244	694298	34.34	ng	-0.01
Target Compounds						
10) Phenol	6.49	94	43763	3.510	ng	Qvalue 85
25) Isophorone	7.40	82	419413	22.884	ng	# 64
50) Dimethylphthalate	9.59	163	53288	2.135	ng	98
71) Phenanthrene	11.38	178	127696	4.206	ng	97
75) Fluoranthene	12.57	202	212587	6.528	ng	97
78) Pyrene	12.80	202	214953	8.152	ng	98
81) Benzo(a)anthracene	13.99	228	95335	4.258	ng	98
83) Chrysene	14.03	228	96889	4.534	ng	97
86) Indeno(1,2,3-cd)pyrene	16.94	276	48304	2.853	ng	# 93
88) Benzo(b)fluoranthene	15.04	252	147738	6.012	ng	95
89) Benzo(k)fluoranthene	15.04	252	147738	6.276	ng	95
90) Benzo(a)pyrene	15.40	252	89891	4.065	ng	# 94
92) Benzo(g,h,i)perylene	17.39	276	45899	2.730	ng	98

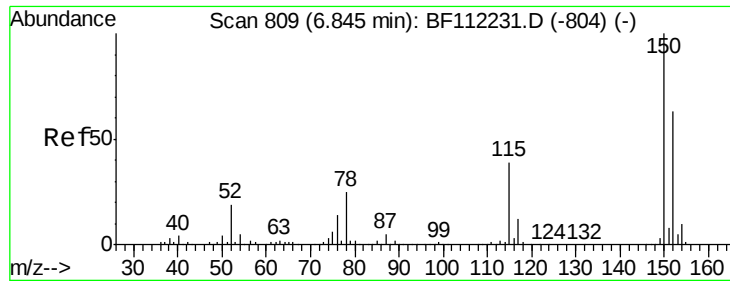
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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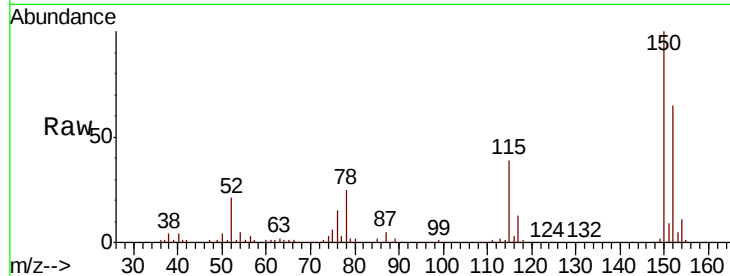


#1

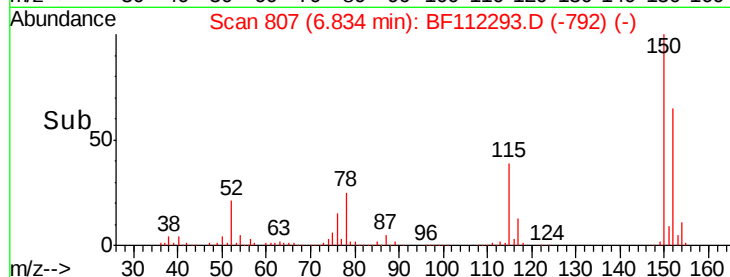
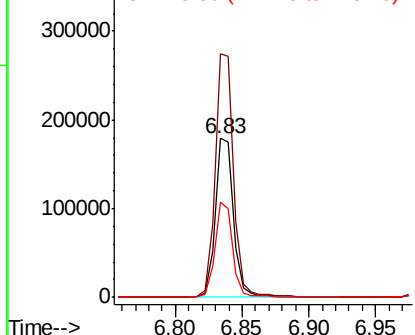
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112293.D
Acq: 29 Jan 2019 14:20

Instrument :
BNA_F
ClientSampleId :
HD-01-012819

Tgt Ion:152 Resp: 173711
Ion Ratio Lower Upper
152 100
150 153.3 127.4 191.0
115 59.7 45.5 68.3



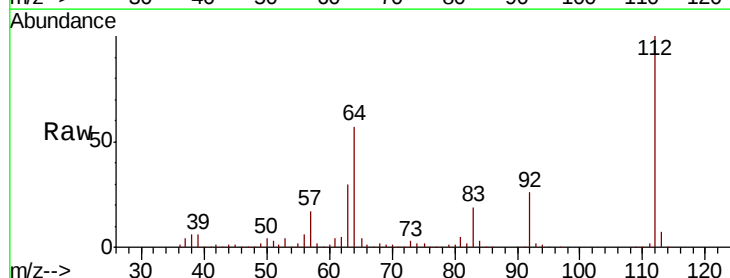
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



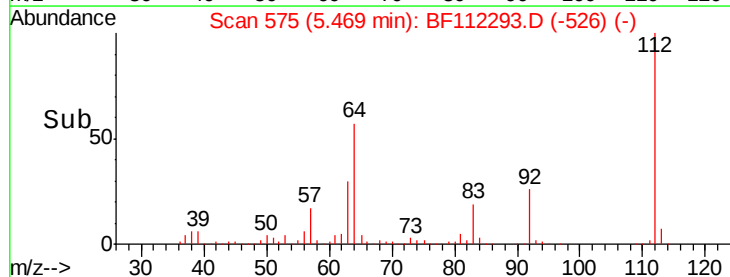
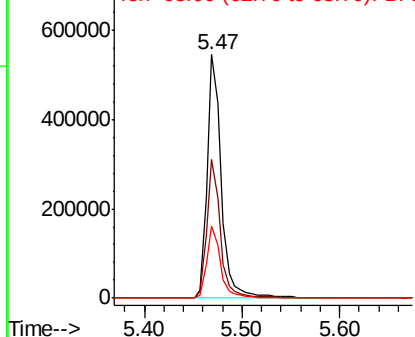
#5

2-Fluorophenol
Concen: 67.603 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112293.D
Acq: 29 Jan 2019 14:20

Tgt Ion:112 Resp: 552872
Ion Ratio Lower Upper
112 100
64 56.9 45.7 68.5
63 29.6 23.6 35.4



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: 60.977 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112293.D

Acq: 29 Jan 2019 14:20

Instrument :

BNA_F

ClientSampleId :

HD-01-012819

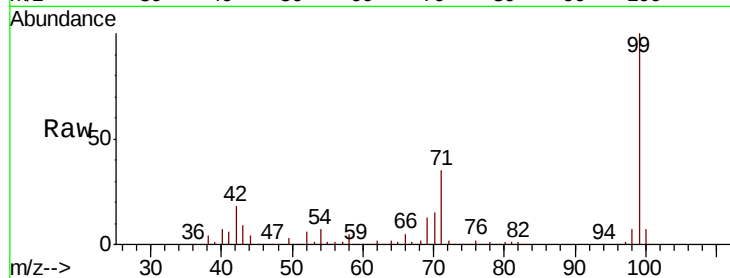
Tgt Ion: 99 Resp: 692952

Ion Ratio Lower Upper

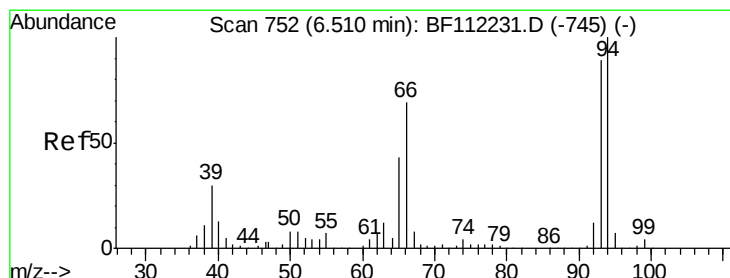
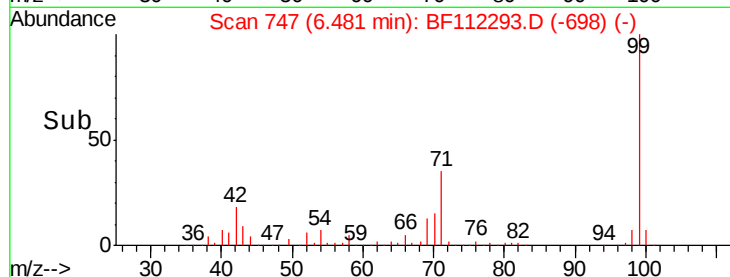
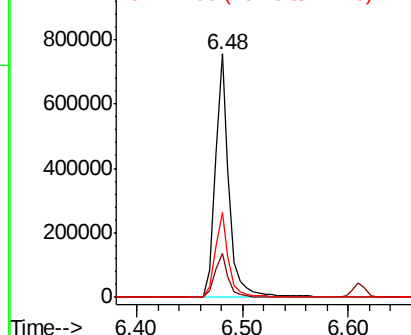
99 100

42 18.2 15.1 22.7

71 34.9 26.9 40.3



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



#10

Phenol

Concen: 3.510 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF112293.D

Acq: 29 Jan 2019 14:20

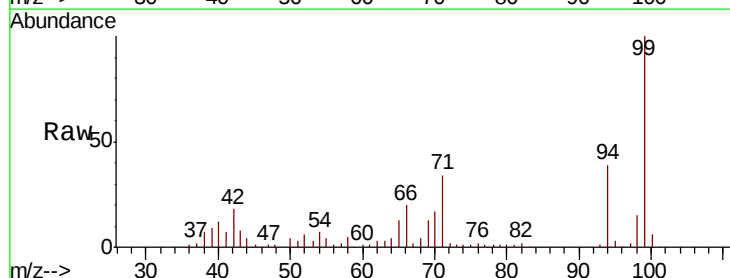
Tgt Ion: 94 Resp: 43763

Ion Ratio Lower Upper

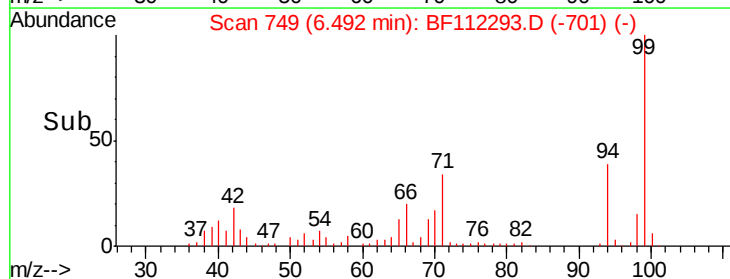
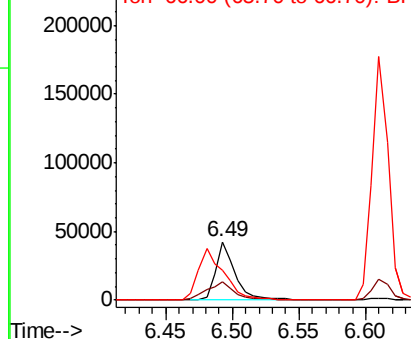
94 100

65 31.9 20.3 60.3

66 50.6 42.4 82.4



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

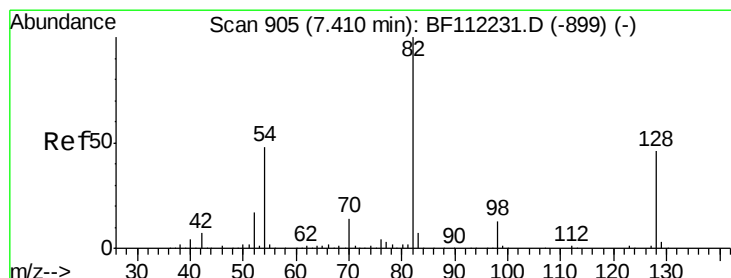
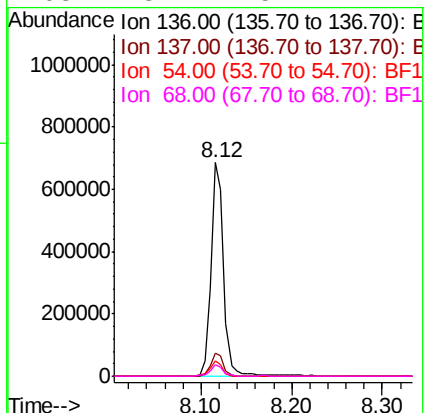
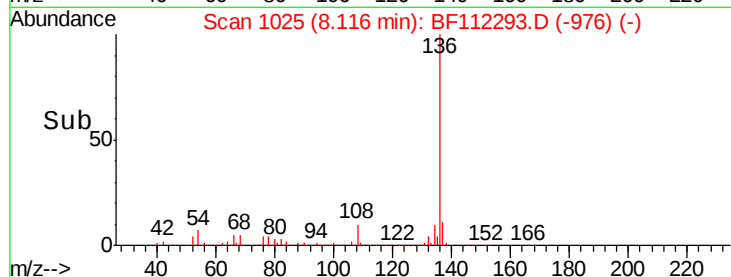
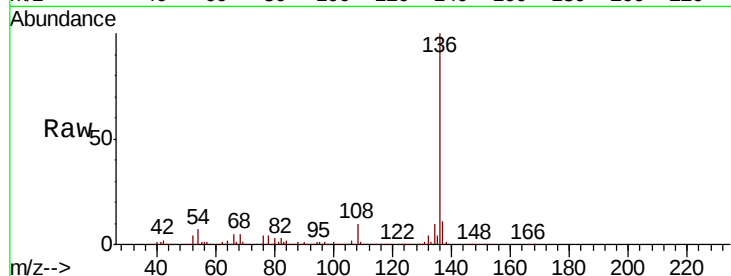




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112293.D
Acq: 29 Jan 2019 14:20

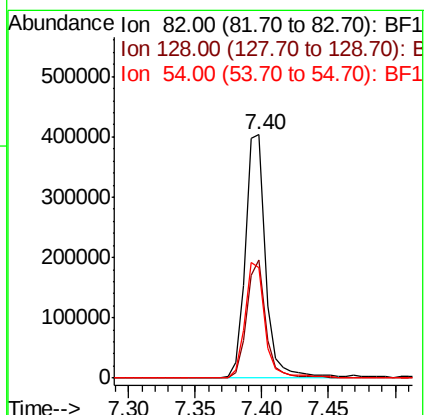
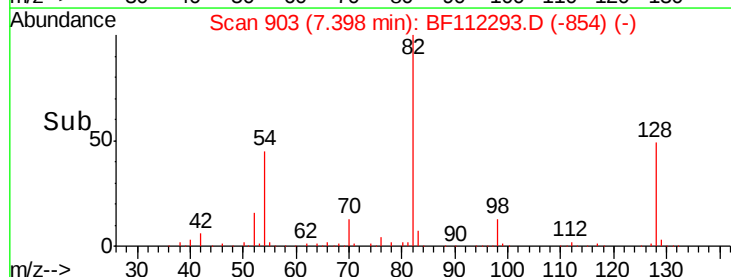
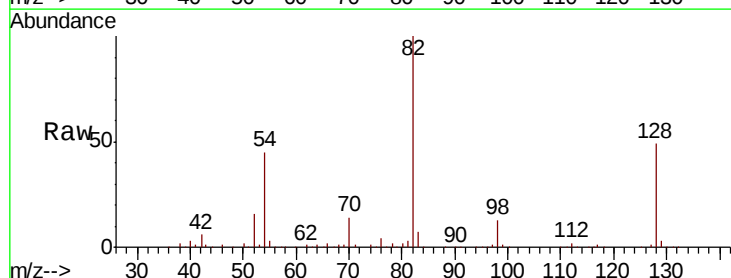
Instrument :
BNA_F
ClientSampleId :
HD-01-012819

Tgt Ion:	136	Resp:	673157
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	7.3	5.9	8.9
68	5.4	5.1	7.7



#23
Nitrobenzene-d5
Concen: 36.243 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112293.D
Acq: 29 Jan 2019 14:20

Tgt Ion:	82	Resp:	423416
Ion	Ratio	Lower	Upper
82	100		
128	48.6	37.8	56.8
54	45.2	39.7	59.5





#25

Isophorone

Concen: 22.884 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112293.D

Acq: 29 Jan 2019 14:20

Instrument :

BNA_F

ClientSampleId :

HD-01-012819

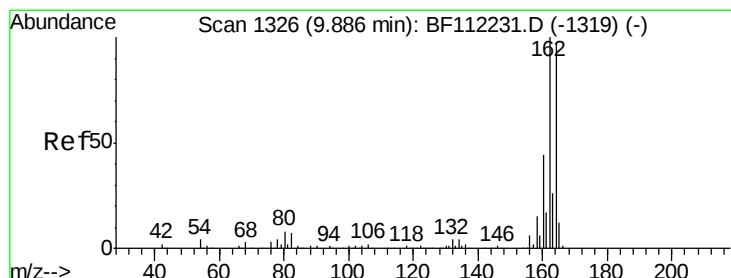
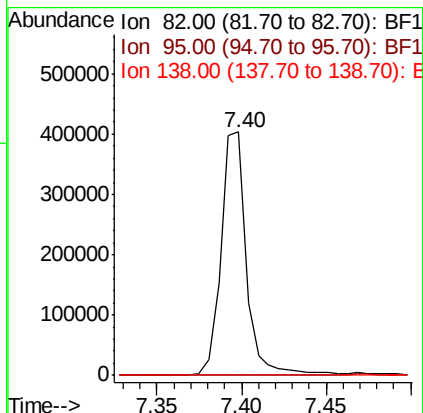
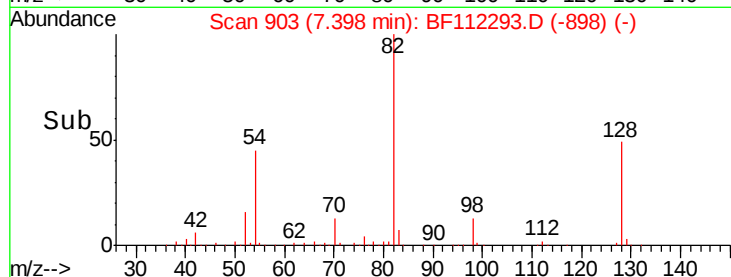
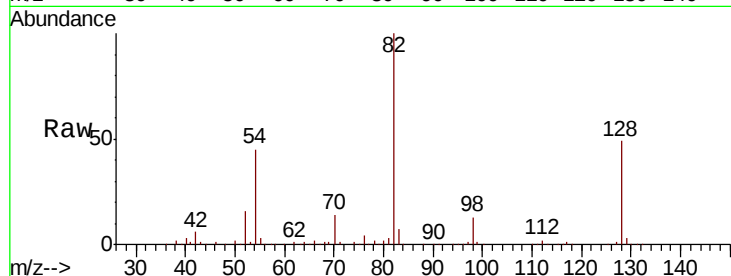
Tgt Ion: 82 Resp: 419413

Ion Ratio Lower Upper

82 100

95 0.3 5.7 8.5#

138 0.0 15.4 23.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF112293.D

Acq: 29 Jan 2019 14:20

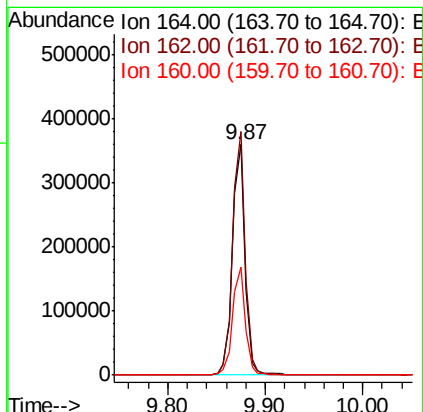
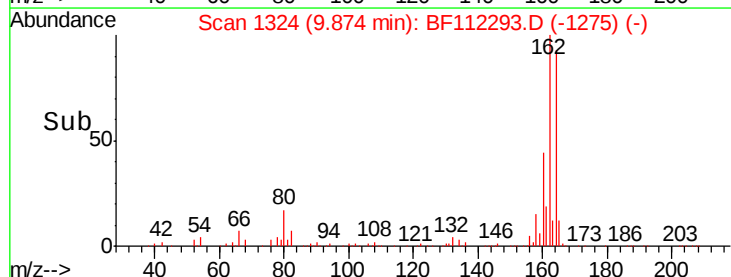
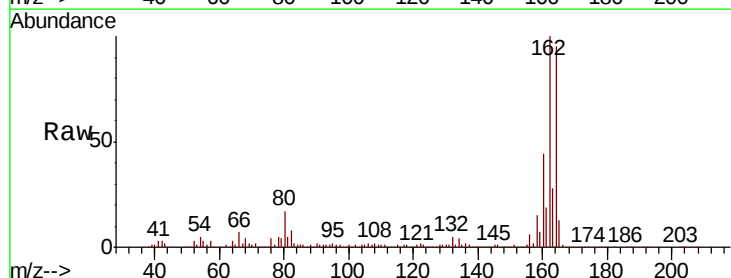
Tgt Ion: 164 Resp: 321217

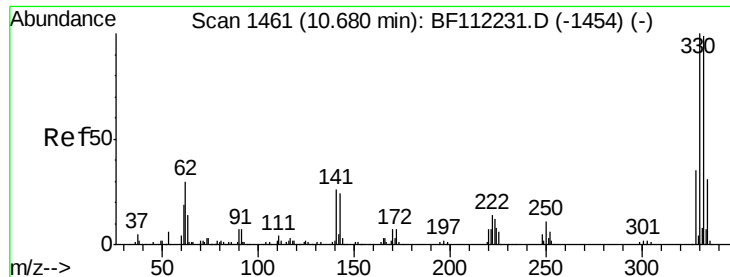
Ion Ratio Lower Upper

164 100

162 105.6 82.2 123.4

160 46.9 36.2 54.4

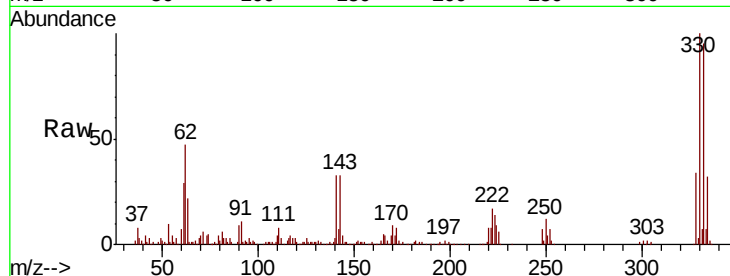




#42
 2,4,6-Tribromophenol
 Concen: 52.870 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF112293.D
 Acq: 29 Jan 2019 14:20

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-012819

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.6	114.8
141	31.6	24.3	36.5

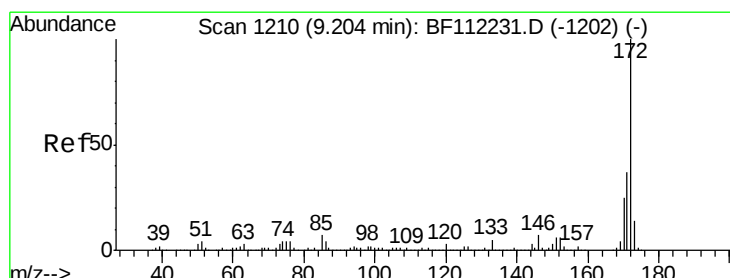
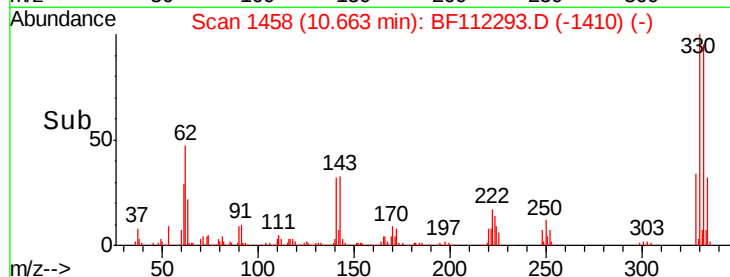
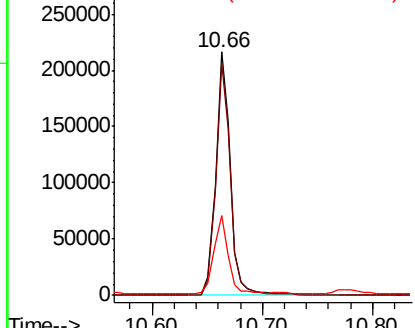


Abundance

Ion 329.80 (329.50 to 330.50): E

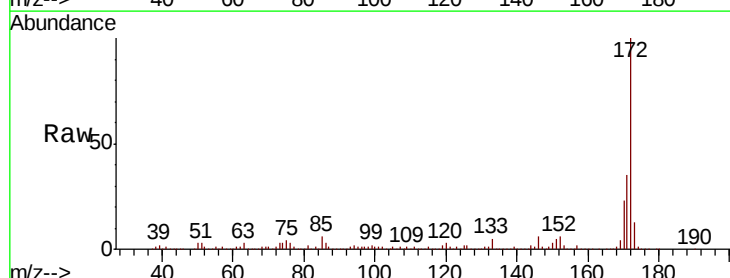
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 37.161 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF112293.D
 Acq: 29 Jan 2019 14:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	30.5	45.7
170	23.3	20.2	30.4

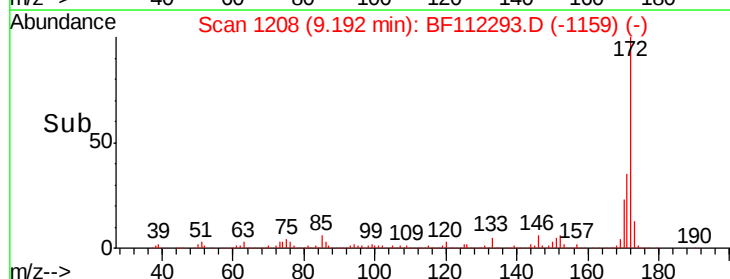
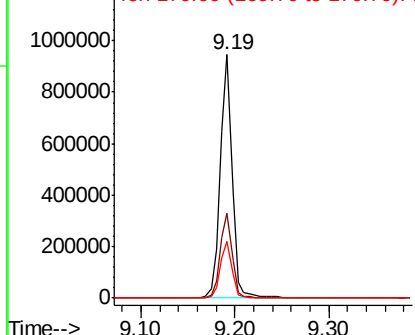


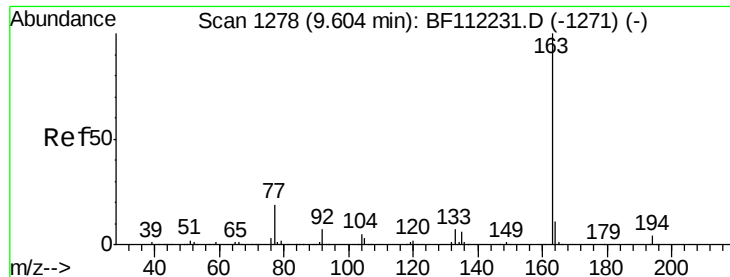
Abundance

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

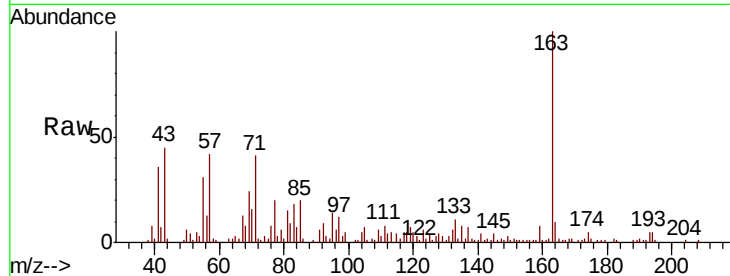




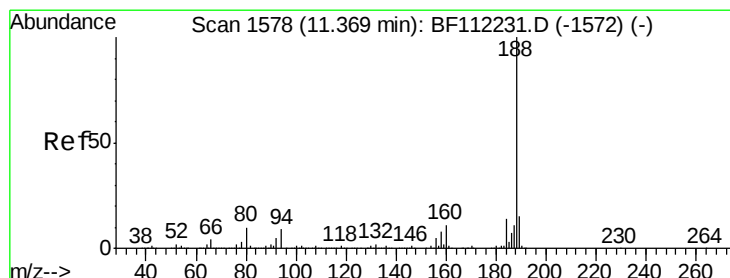
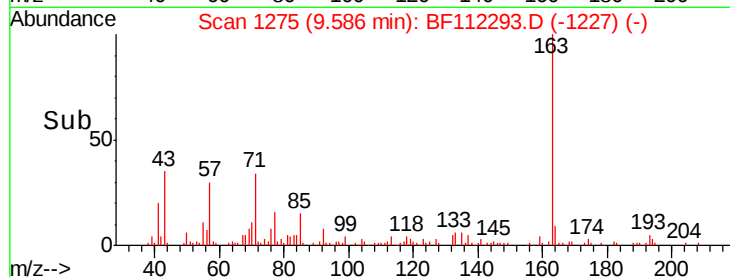
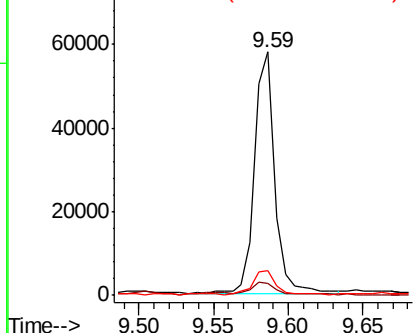
#50
Dimethylphthalate
Concen: 2.135 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF112293.D
Acq: 29 Jan 2019 14:20

Instrument :
BNA_F
ClientSampleId :
HD-01-012819

Tgt Ion:163 Resp: 53288
Ion Ratio Lower Upper
163 100
194 4.9 3.3 4.9
164 10.1 8.5 12.7

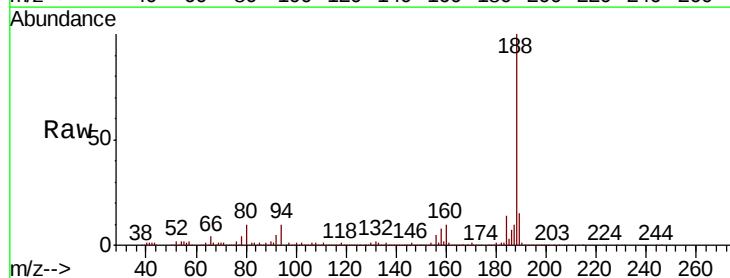


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

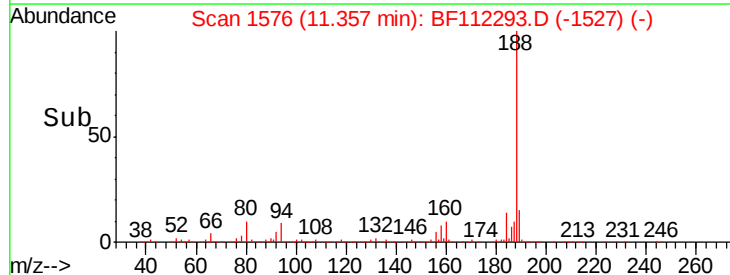
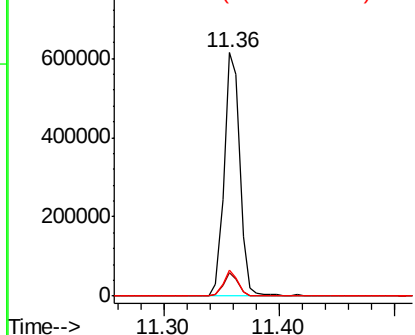


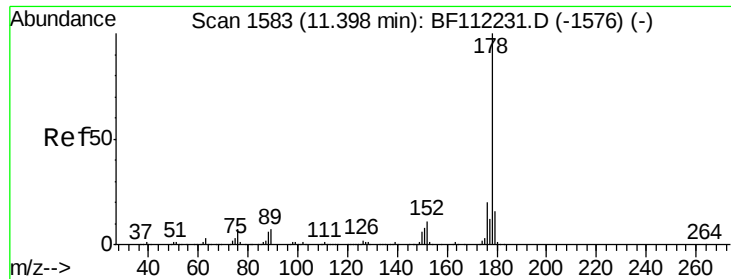
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112293.D
Acq: 29 Jan 2019 14:20

Tgt Ion:188 Resp: 584007
Ion Ratio Lower Upper
188 100
94 9.5 8.2 12.2
80 10.5 8.9 13.3



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

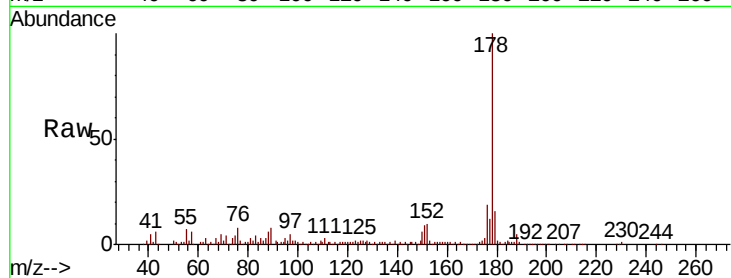




#71
Phenanthrene
Concen: 4.206 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112293.D
Acq: 29 Jan 2019 14:20

Instrument :
BNA_F
ClientSampleId :
HD-01-012819

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.3	24.5
179	15.7	13.0	19.4

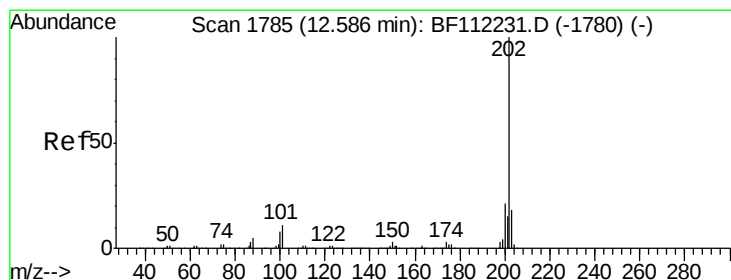
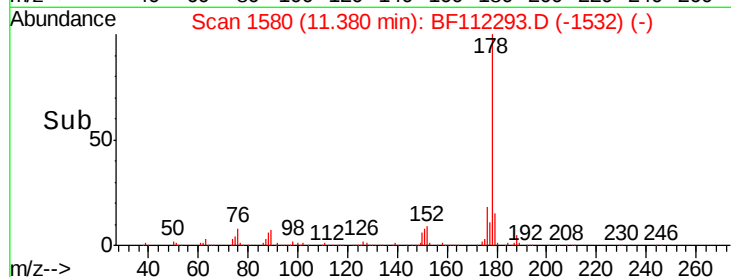
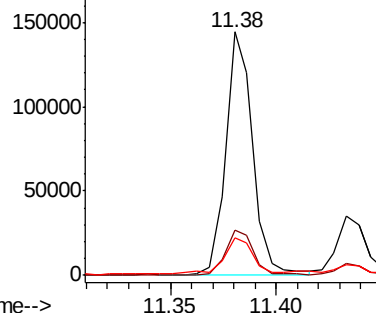


Abundance

Ion 178.00 (177.70 to 178.70): E

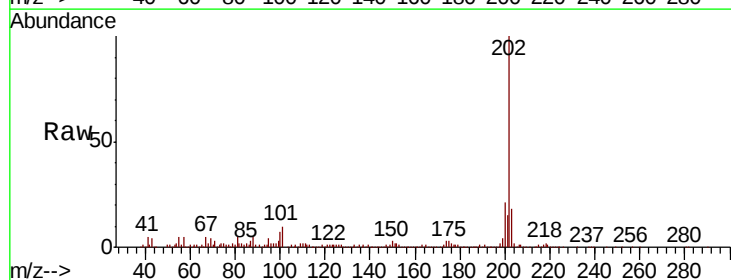
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
Fluoranthene
Concen: 6.528 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF112293.D
Acq: 29 Jan 2019 14:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	31.8
203	17.9	0.0	38.4

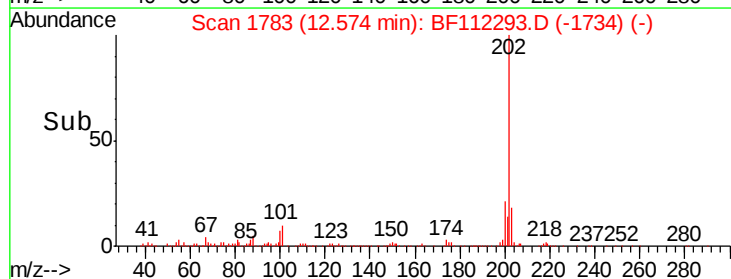
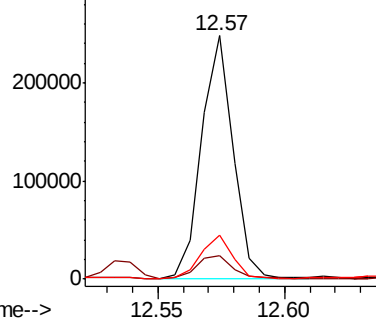


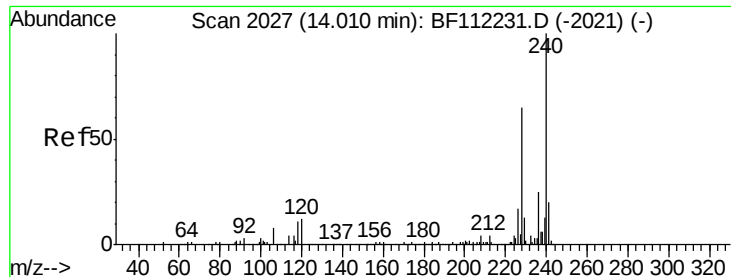
Abundance

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

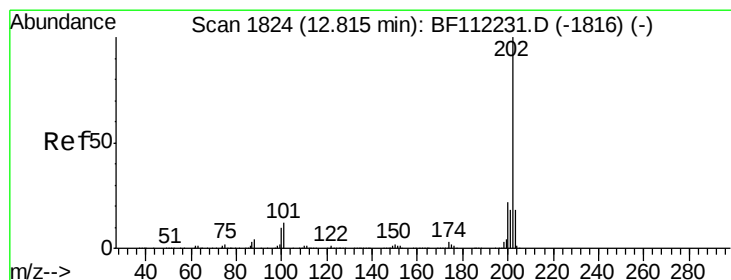
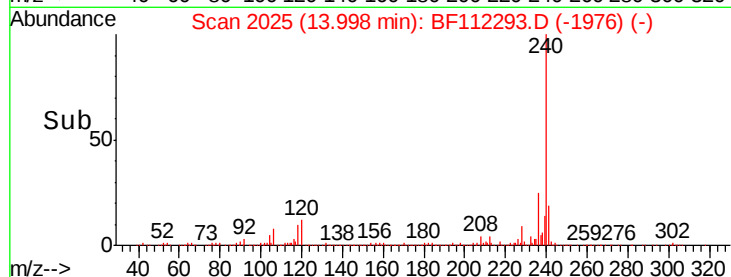
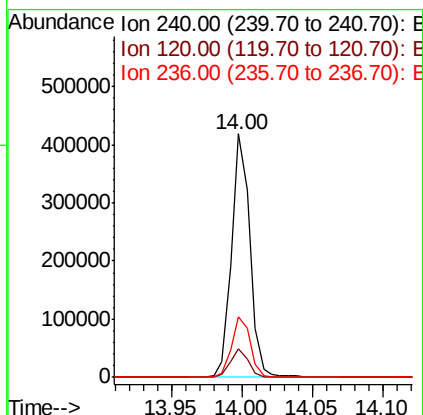
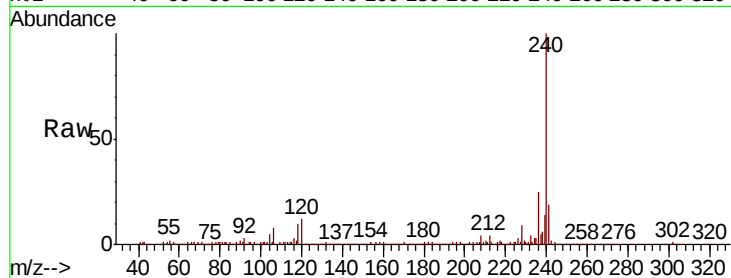




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112293.D
Acq: 29 Jan 2019 14:20

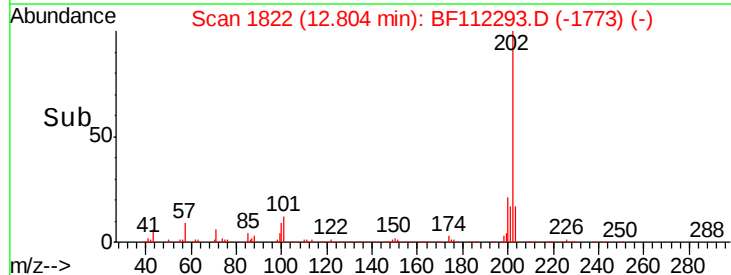
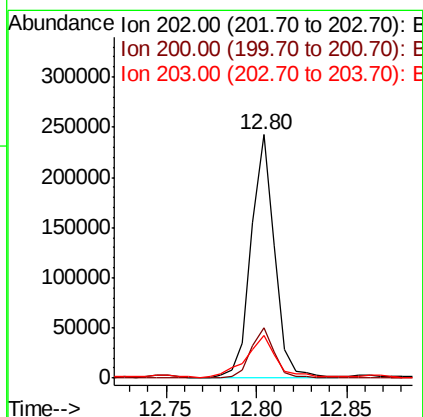
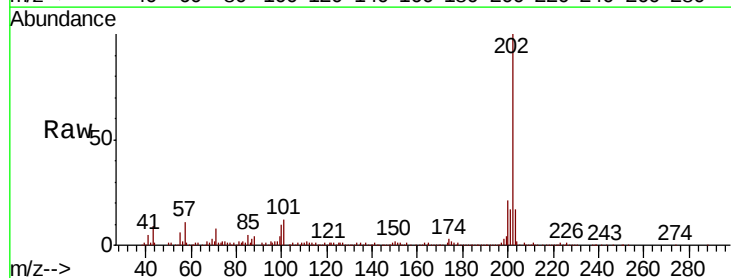
Instrument :
BNA_F
ClientSampleId :
HD-01-012819

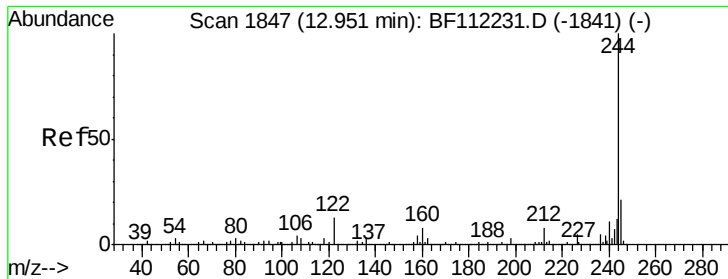
Tgt Ion:240 Resp: 380850
Ion Ratio Lower Upper
240 100
120 12.0 9.0 13.6
236 25.0 20.7 31.1



#78
Pyrene
Concen: 8.152 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112293.D
Acq: 29 Jan 2019 14:20

Tgt Ion:202 Resp: 214953
Ion Ratio Lower Upper
202 100
200 20.9 17.7 26.5
203 17.4 14.6 22.0





#79

Terphenyl-d14

Concen: 34.336 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112293.D

Acq: 29 Jan 2019 14:20

Instrument :

BNA_F

ClientSampleId :

HD-01-012819

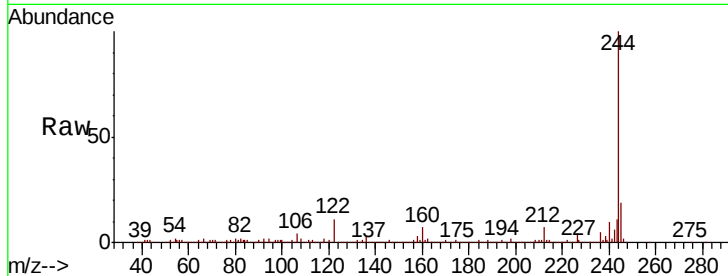
Tgt Ion:244 Resp: 694298

Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

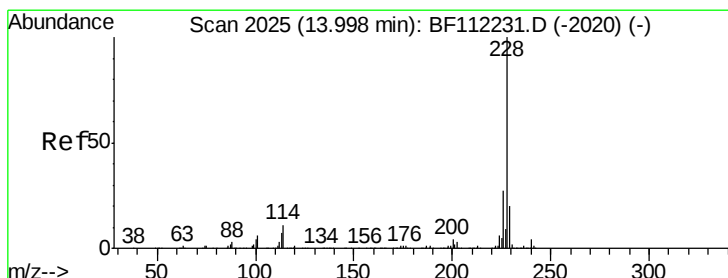
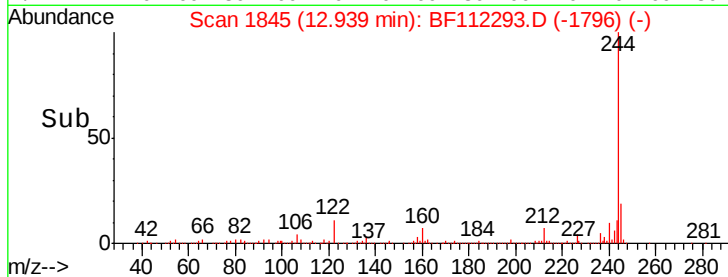
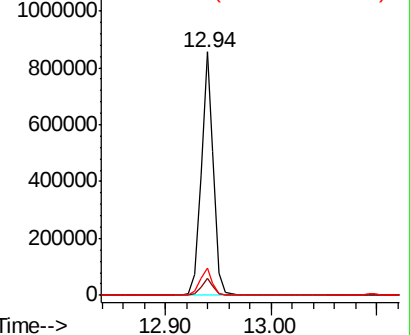
122 11.1 9.8 14.6



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: 4.258 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF112293.D

Acq: 29 Jan 2019 14:20

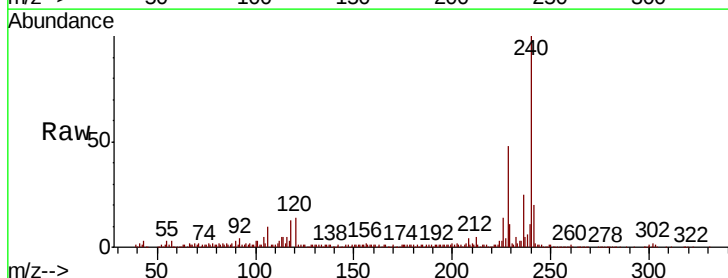
Tgt Ion:228 Resp: 95335

Ion Ratio Lower Upper

228 100

226 28.1 22.6 34.0

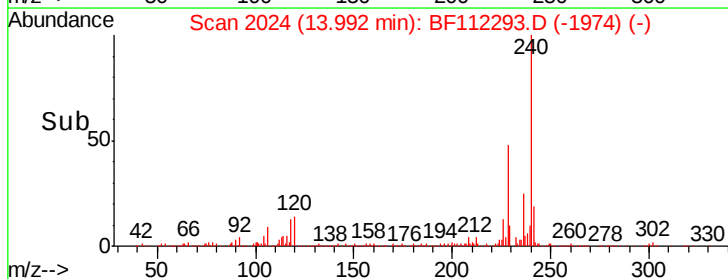
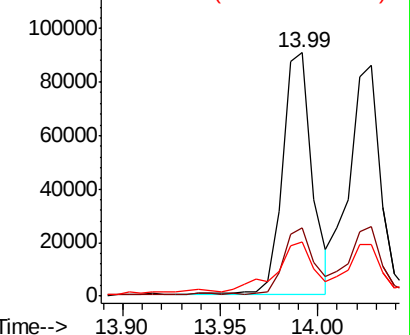
229 22.2 16.5 24.7

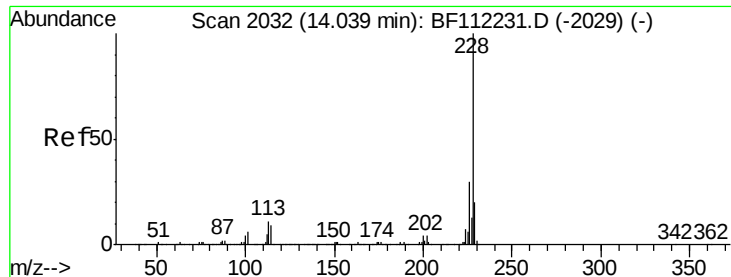


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.534 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF112293.D

Acq: 29 Jan 2019 14:20

Instrument :

BNA_F

ClientSampleId :

HD-01-012819

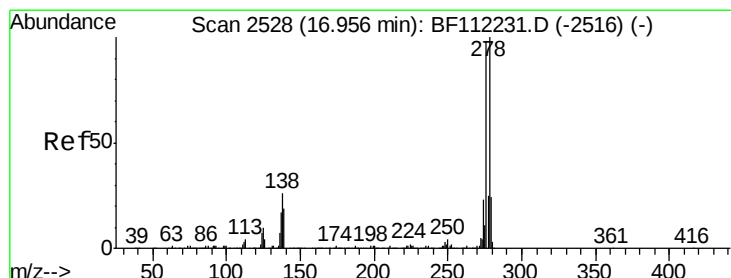
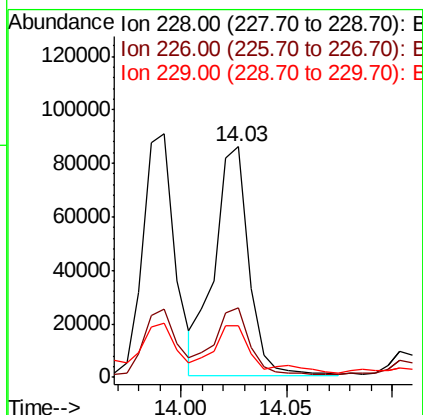
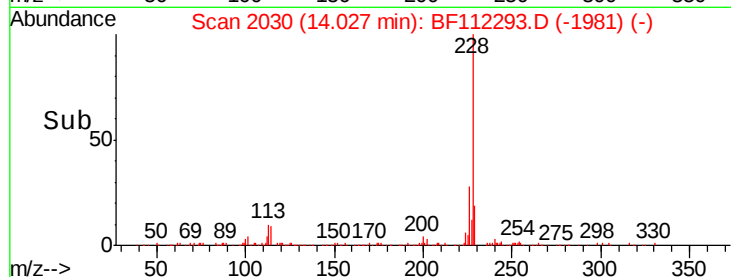
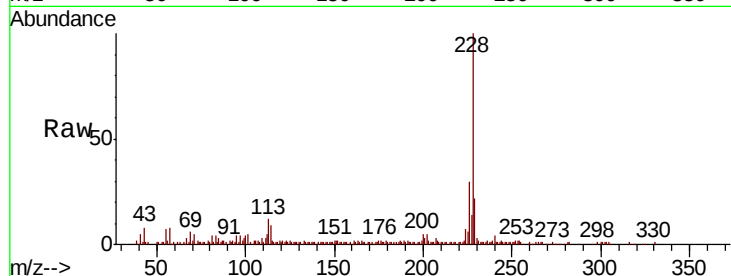
Tgt Ion: 228 Resp: 96889

Ion Ratio Lower Upper

228 100

226 30.0 25.0 37.6

229 22.5 16.6 24.8



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.853 ng

RT: 16.94 min Scan# 2525

Delta R.T. -0.02 min

Lab File: BF112293.D

Acq: 29 Jan 2019 14:20

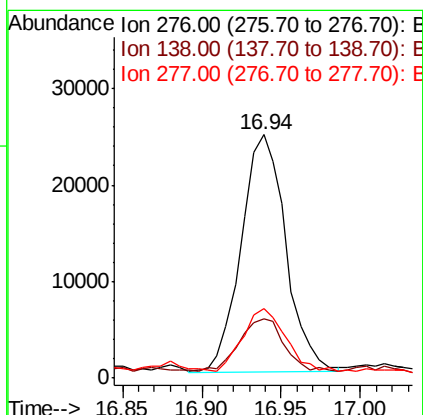
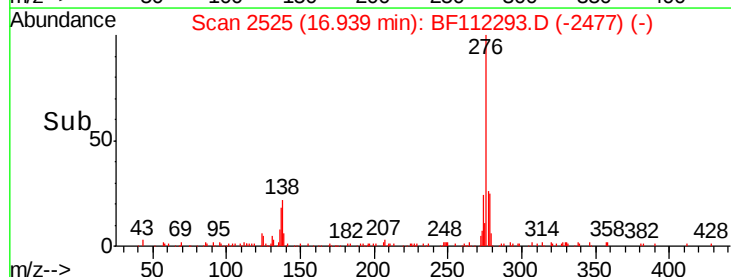
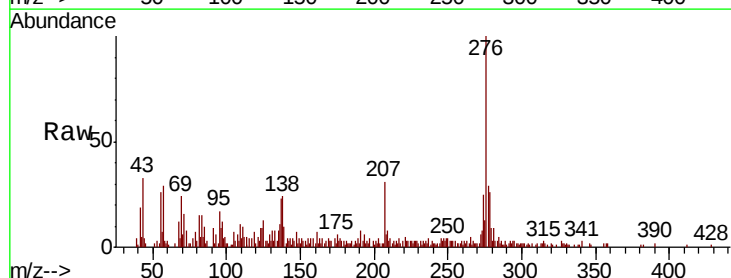
Tgt Ion: 276 Resp: 48304

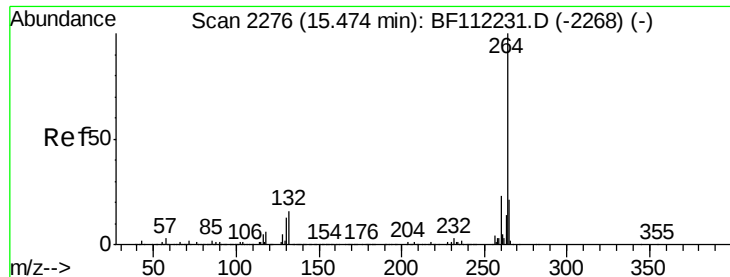
Ion Ratio Lower Upper

276 100

138 22.1 22.6 34.0#

277 24.9 20.3 30.5





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF112293.D

Acq: 29 Jan 2019 14:20

Instrument :

BNA_F

ClientSampleId :

HD-01-012819

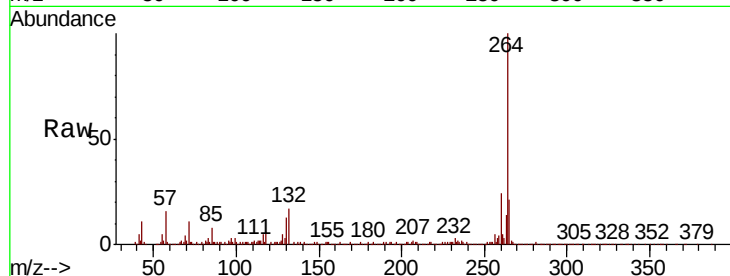
Tgt Ion:264 Resp: 410929

Ion Ratio Lower Upper

264 100

260 23.7 18.2 27.2

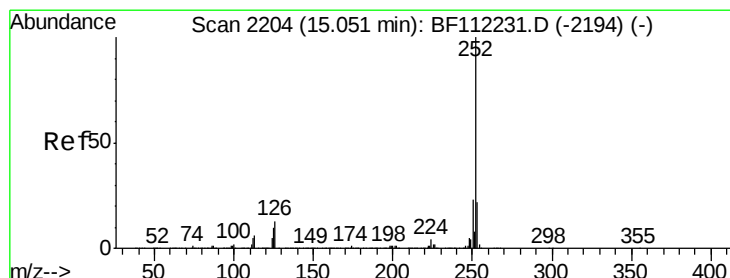
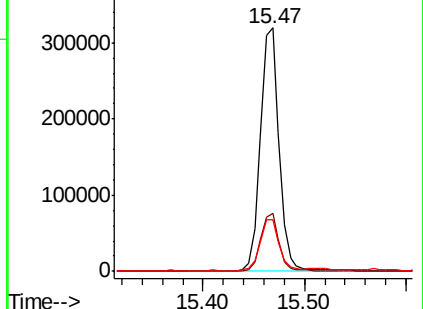
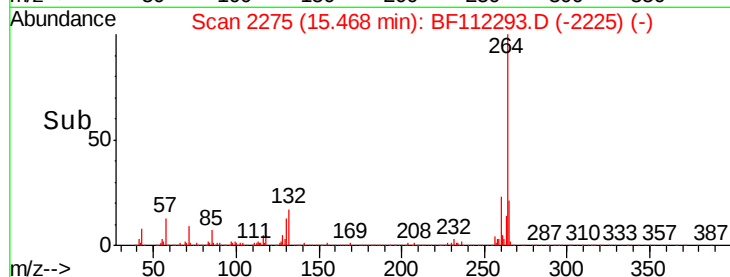
265 21.2 17.0 25.4



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: 6.012 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BF112293.D

Acq: 29 Jan 2019 14:20

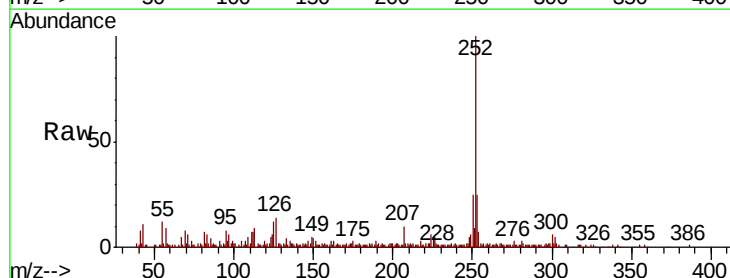
Tgt Ion:252 Resp: 147738

Ion Ratio Lower Upper

252 100

253 25.2 18.0 27.0

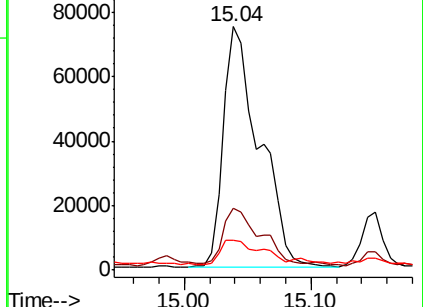
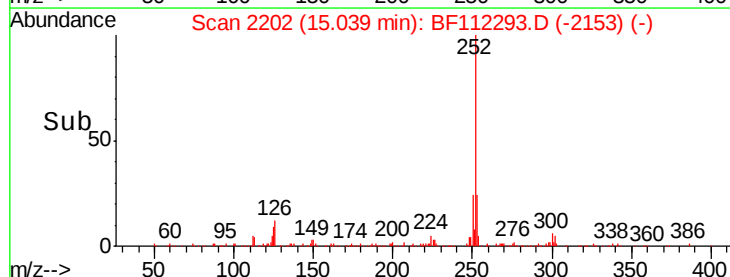
125 12.5 8.7 13.1

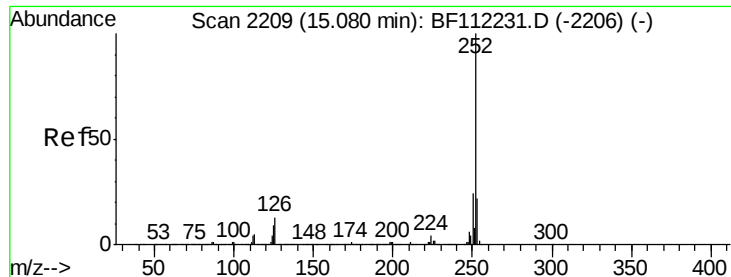


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

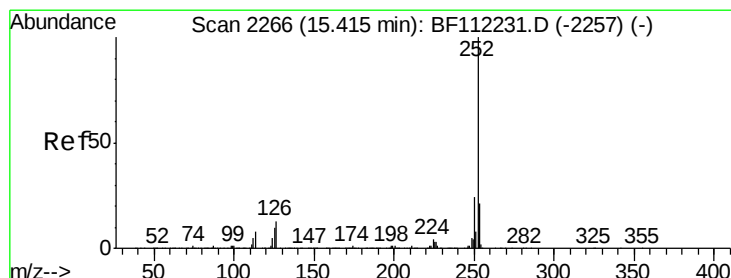
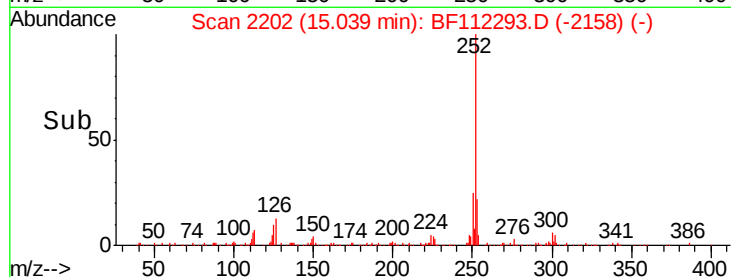
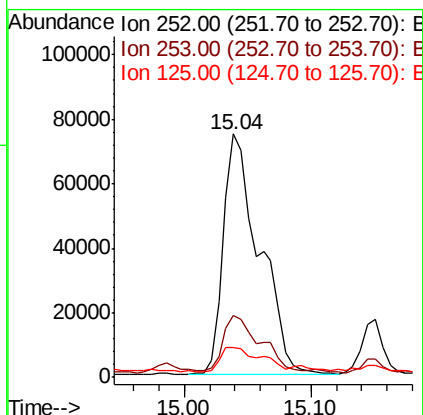
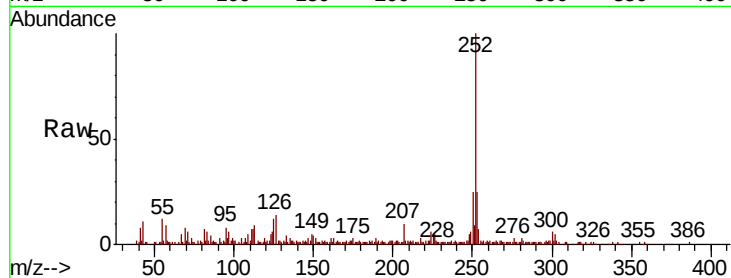




#89
Benzo(k)fluoranthene
Concen: 6.276 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BF112293.D
Acq: 29 Jan 2019 14:20

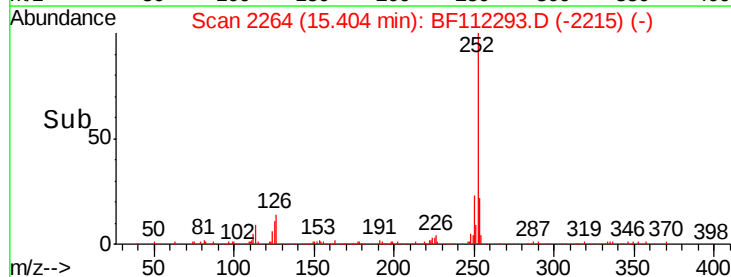
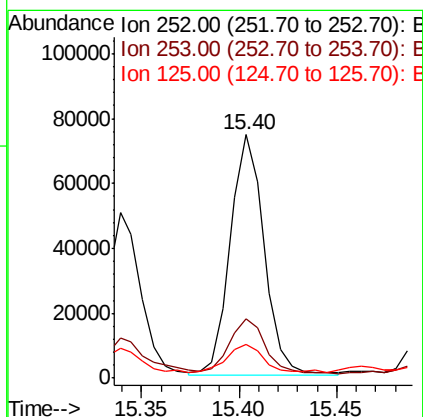
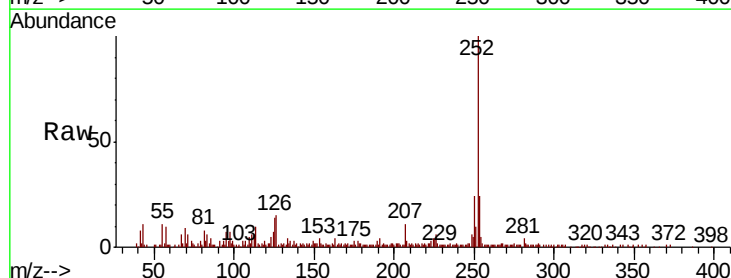
Instrument :
BNA_F
ClientSampleId :
HD-01-012819

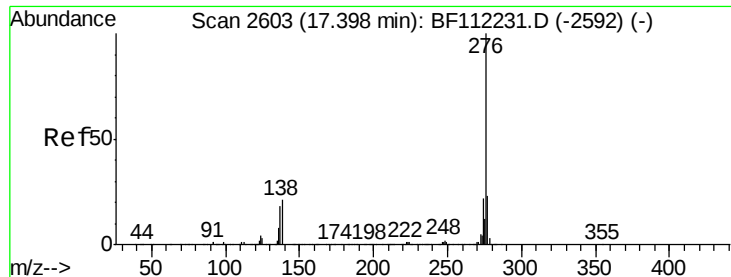
Tgt Ion:252 Resp: 147738
Ion Ratio Lower Upper
252 100
253 25.2 18.0 27.0
125 12.5 9.1 13.7



#90
Benzo(a)pyrene
Concen: 4.065 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BF112293.D
Acq: 29 Jan 2019 14:20

Tgt Ion:252 Resp: 89891
Ion Ratio Lower Upper
252 100
253 24.4 17.5 26.3
125 13.9 9.0 13.4#





#92

Benzo(g,h,i)perylene

Concen: 2.730 ng

RT: 17.39 min Scan# 2601

Delta R.T. -0.01 min

Lab File: BF112293.D

Acq: 29 Jan 2019 14:20

Instrument :

BNA_F

ClientSampleId :

HD-01-012819

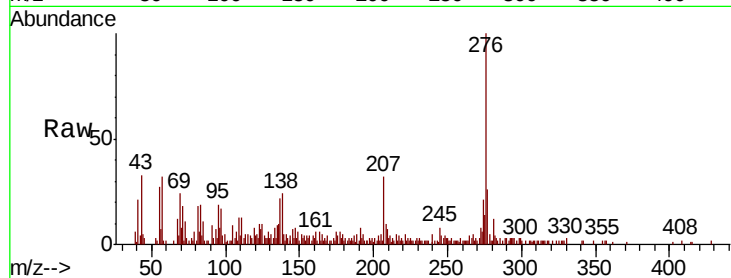
Tgt Ion:276 Resp: 45899

Ion Ratio Lower Upper

276 100

277 26.4 19.4 29.0

138 24.1 19.1 28.7



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

