

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
 Data File : BF114254.D
 Acq On : 14 May 2019 10:43
 Operator : JU/SJ
 Sample : K2765-21DL 4X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 14 12:26:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

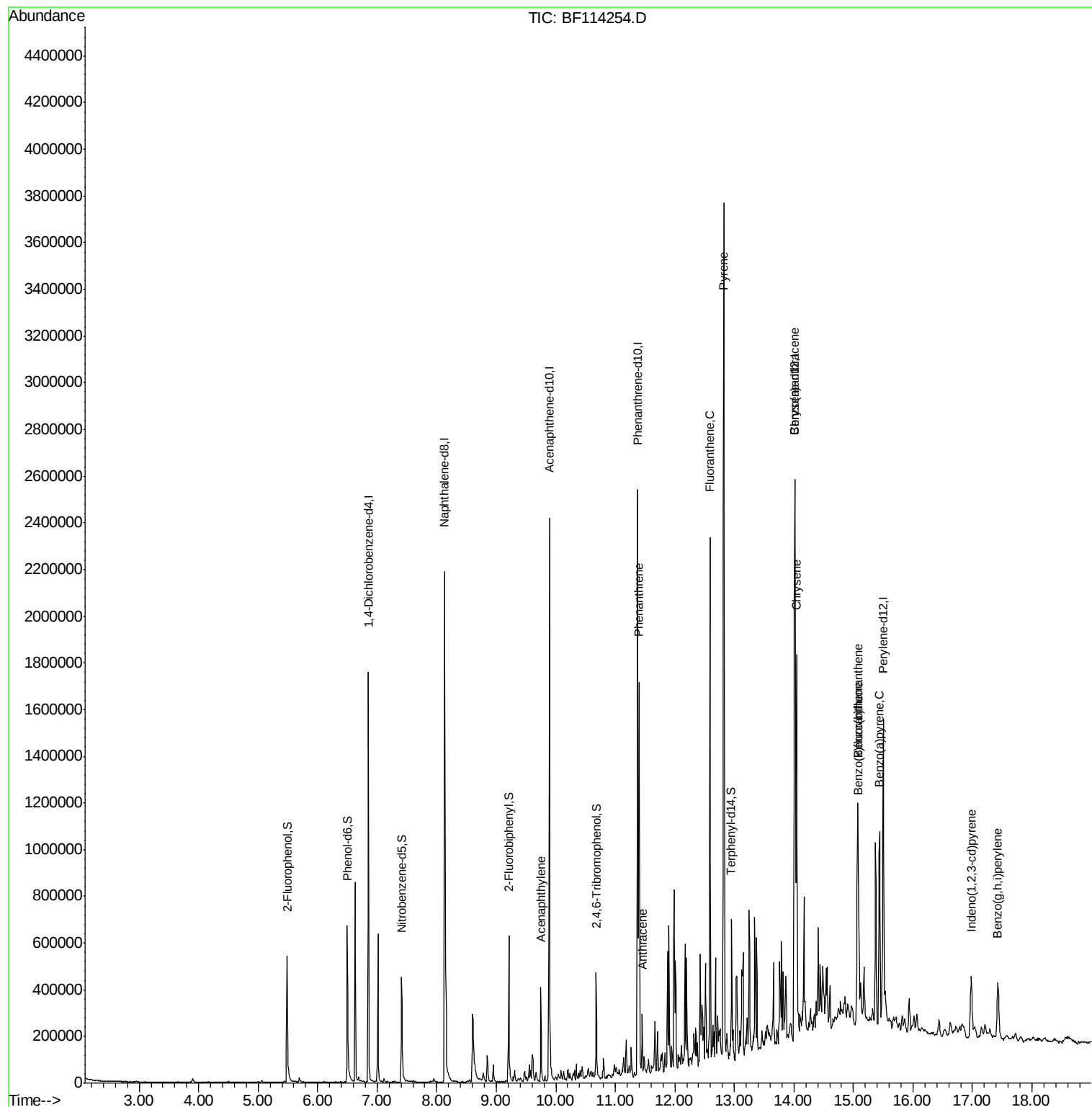
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	257731	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1050816	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	500403	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	928898	20.00	ng	0.00
76) Chrysene-d12	14.02	240	623859	20.00	ng	0.00
87) Perylene-d12	15.50	264	614752	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	193856	12.10	ng	0.00
7) Phenol-d6	6.50	99	273102	14.42	ng	0.00
23) Nitrobenzene-d5	7.41	82	159785	8.53	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	52133	10.08	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	239176	7.23	ng	0.00
79) Terphenyl-d14	12.95	244	197711	6.53	ng	0.00
Target Compounds						
49) Acenaphthylene	9.75	152	168647	3.408	ng	96
71) Phenanthrene	11.40	178	603011	13.343	ng	98
72) Anthracene	11.45	178	96981	2.137	ng	98
75) Fluoranthene	12.59	202	804307	16.527	ng	98
78) Pyrene	12.82	202	1479649	29.483	ng	99
81) Benzo(a)anthracene	14.01	228	487953m	12.093	ng	
83) Chrysene	14.04	228	591853	14.963	ng	97
86) Indeno(1,2,3-cd)pyrene	16.98	276	184141	5.267	ng	96
88) Benzo(b)fluoranthene	15.07	252	513485m	13.038	ng	
89) Benzo(k)fluoranthene	15.09	252	172481m	4.767	ng	
90) Benzo(a)pyrene	15.44	252	346662	10.001	ng	98
92) Benzo(a,h,i)perylene	17.43	276	204143	7.073	ng	97

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

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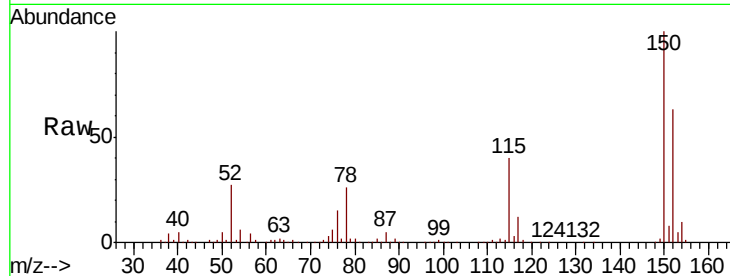


#1

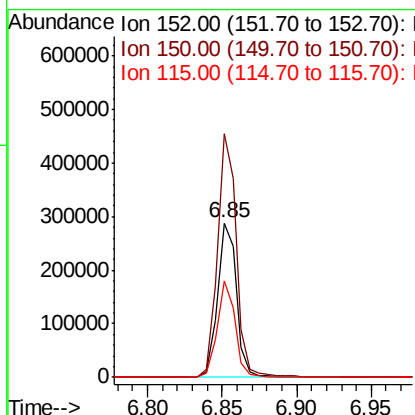
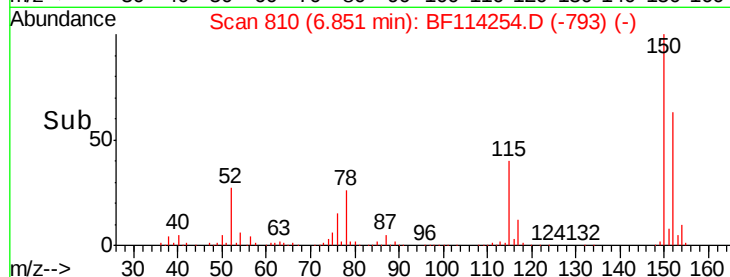
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF114254.D
Acq: 14 May 2019 10:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 257731
Ion Ratio Lower Upper
152 100
150 157.5 124.3 186.5
115 62.5 49.1 73.7



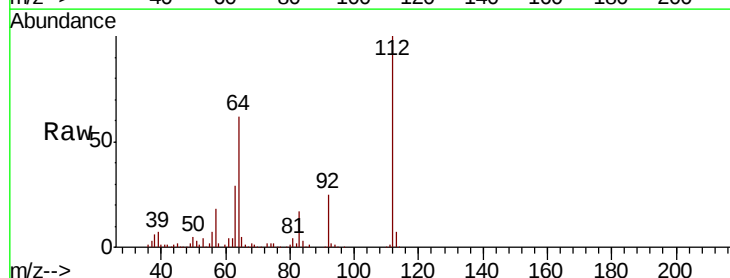
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



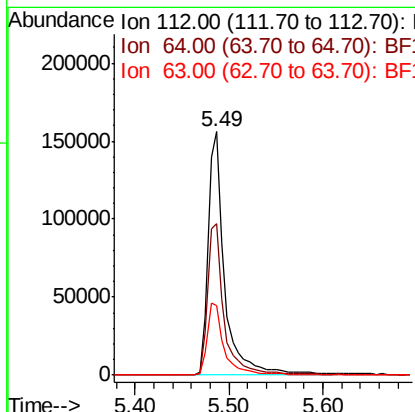
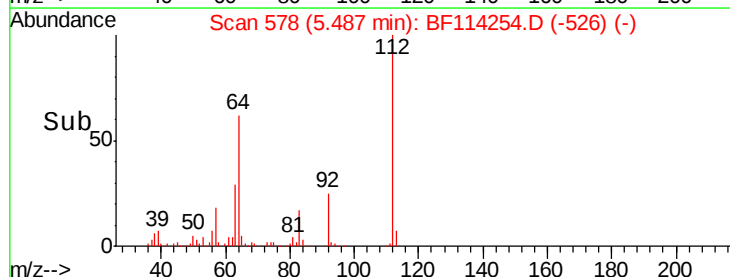
#5

2-Fluorophenol
Concen: 12.104 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF114254.D
Acq: 14 May 2019 10:43

Tgt Ion:112 Resp: 193856
Ion Ratio Lower Upper
112 100
64 62.2 49.0 73.6
63 28.8 24.6 37.0



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: 14.418 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF114254.D

Acq: 14 May 2019 10:43

Instrument :

BNA_F

ClientSampleId :

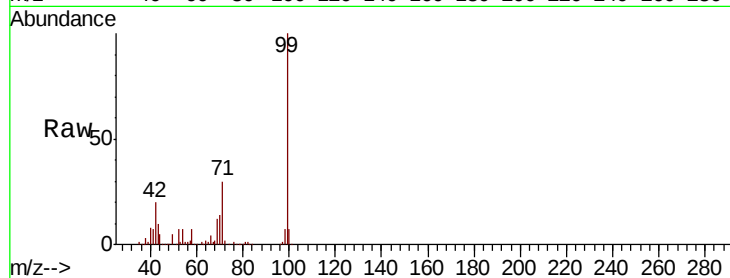
Tot Ion: 99 Resp: 273102

Ion Ratio Lower Upper

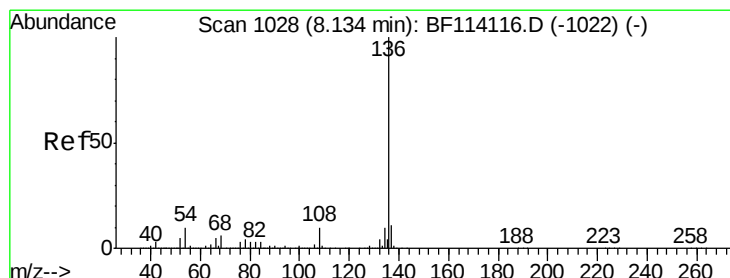
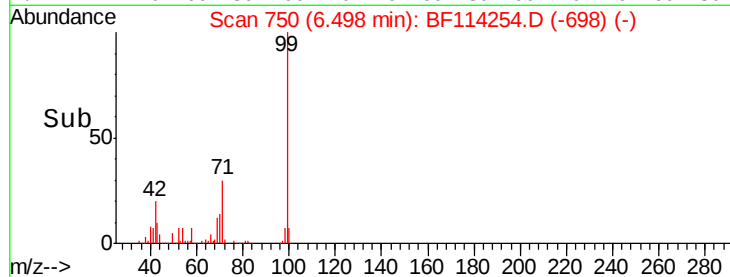
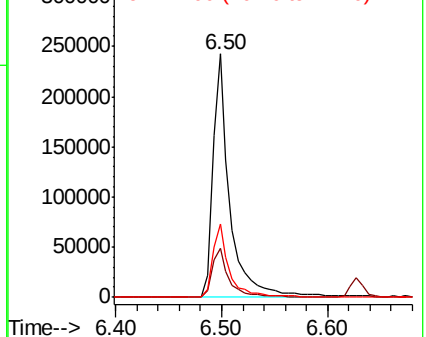
99 100

42 20.1 17.9 26.9

71 30.0 26.2 39.2



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: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF114254.D

Acq: 14 May 2019 10:43

Tgt Ion: 136 Resp: 1050816

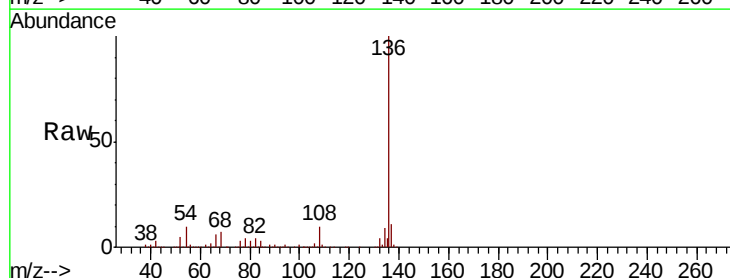
Ion Ratio Lower Upper

136 100

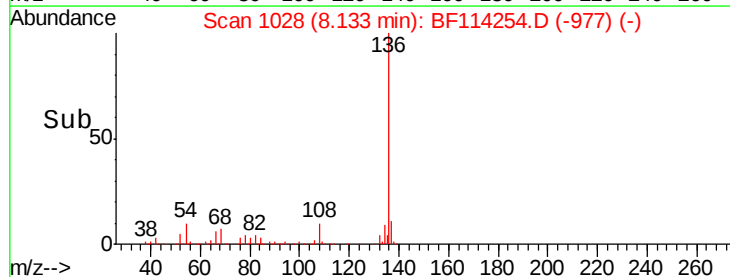
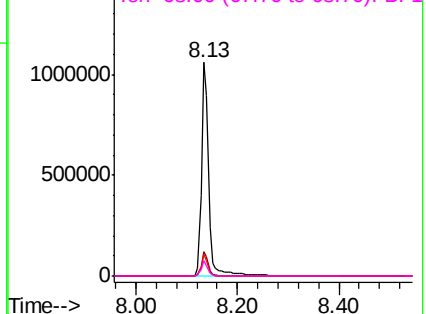
137 11.2 8.8 13.2

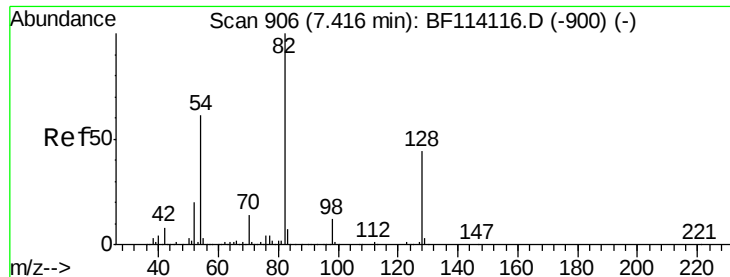
54 10.4 7.8 11.8

68 6.9 5.1 7.7



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

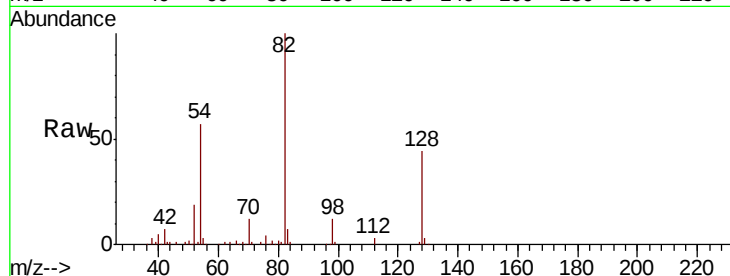




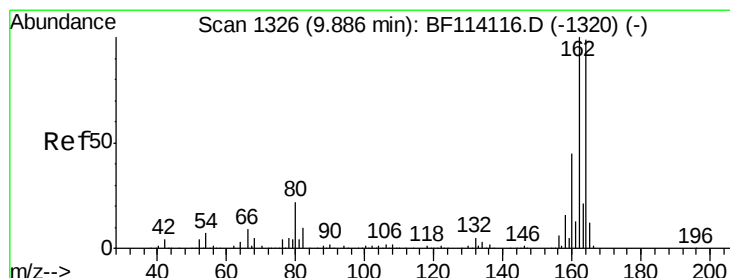
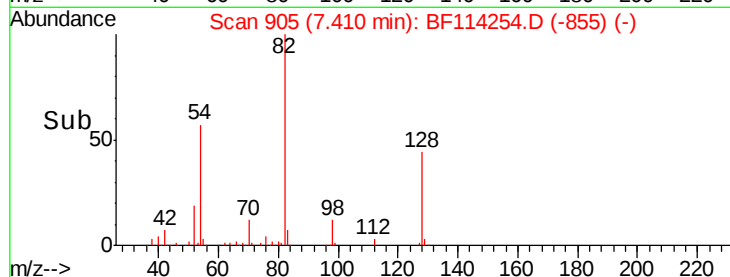
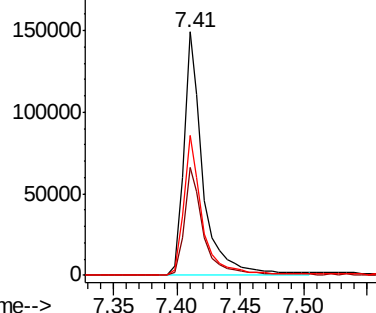
#23
Nitrobenzene-d5
Concen: 8.534 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114254.D
Acq: 14 May 2019 10:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	159785
Ion Ratio	100	Lower	Upper
128	44.3	35.5	53.3
54	57.4	48.5	72.7

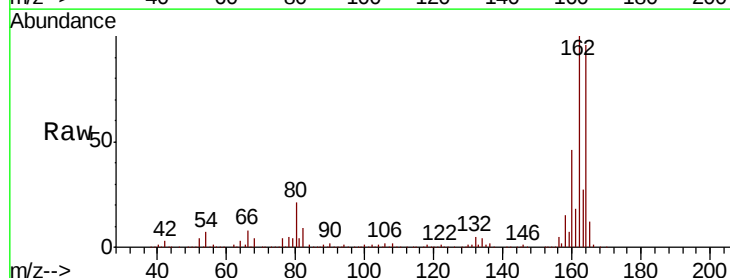


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

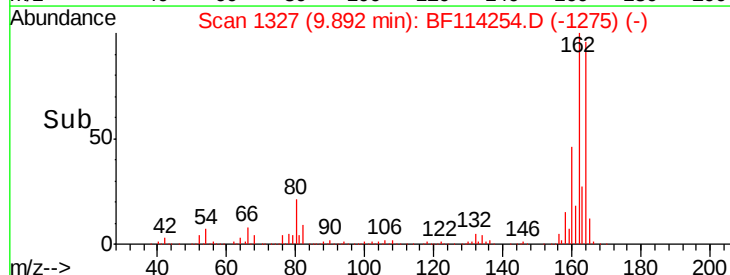
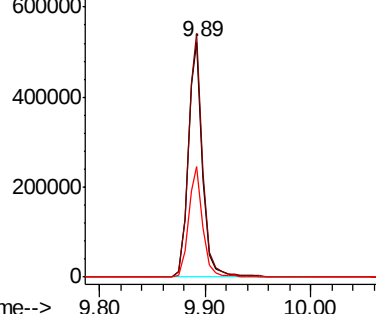


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.01 min
Lab File: BF114254.D
Acq: 14 May 2019 10:43

Tgt Ion	164	Resp	500403
Ion Ratio	100	Lower	Upper
162	103.7	80.6	120.8
160	47.3	36.5	54.7



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

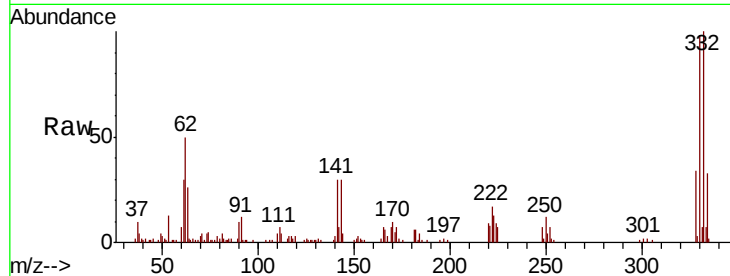




#42
 2,4,6-Tribromophenol
 Concen: 10.077 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. 0.01 min
 Lab File: BF114254.D
 Acq: 14 May 2019 10:43

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	100.4	81.4	122.2
141	37.8	26.6	40.0

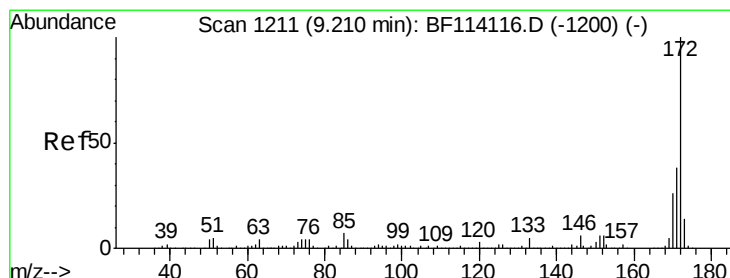
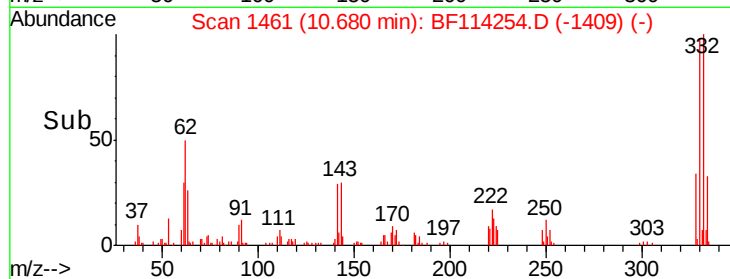
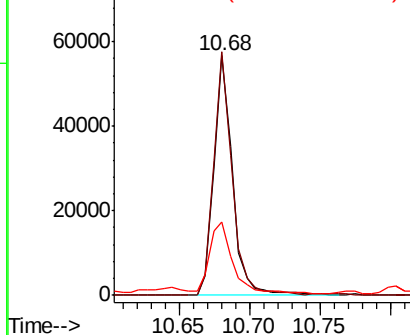


Abundance

Ion 329.80 (329.50 to 330.50): E

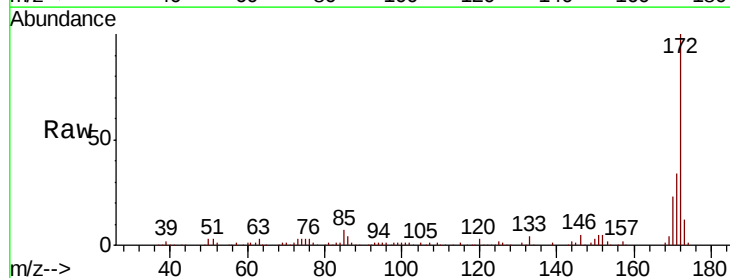
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 7.230 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: BF114254.D
 Acq: 14 May 2019 10:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	30.7	46.1
170	23.2	20.5	30.7

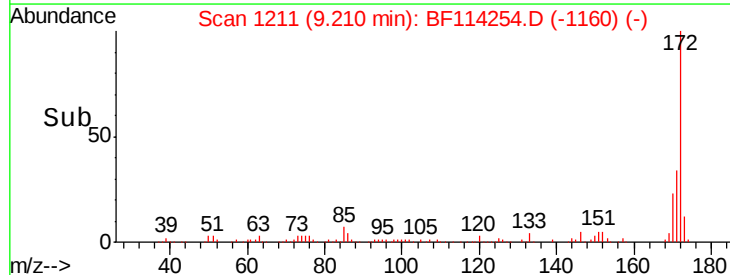
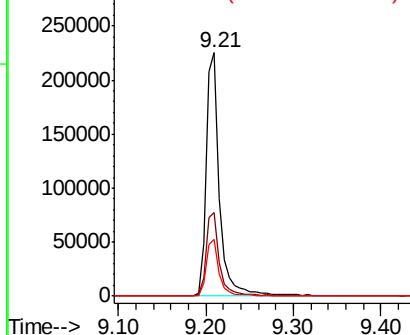


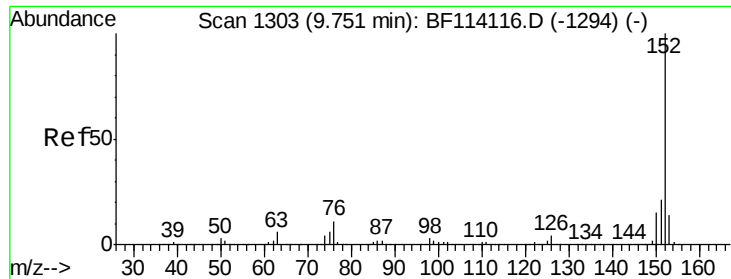
Abundance

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





#49

Acenaphthylene

Concen: 3.408 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF114254.D

Acq: 14 May 2019 10:43

Instrument :

BNA_F

ClientSampleId :

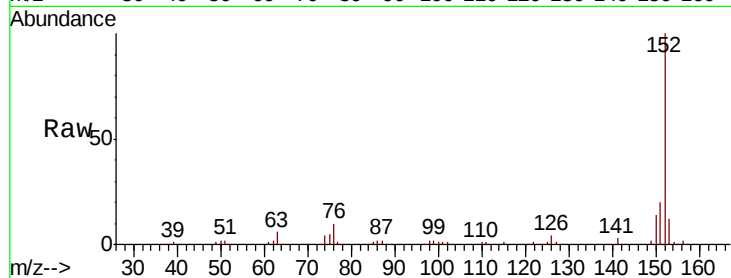
Tot Ion:152 Resp: 168647

Ion Ratio Lower Upper

152 100

151 19.5 16.8 25.2

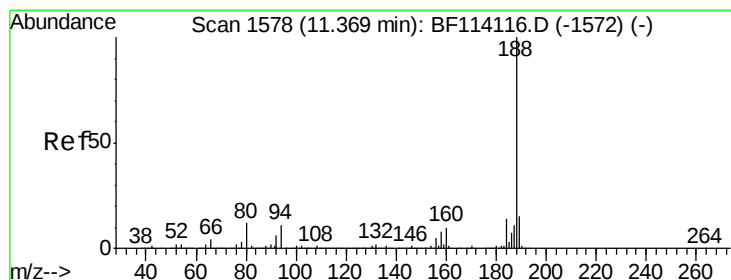
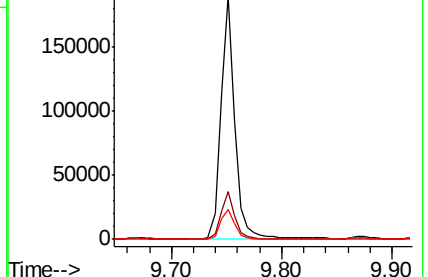
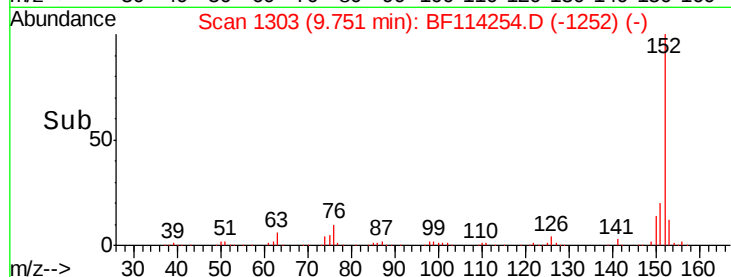
153 12.0 11.4 17.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1579

Delta R.T. 0.01 min

Lab File: BF114254.D

Acq: 14 May 2019 10:43

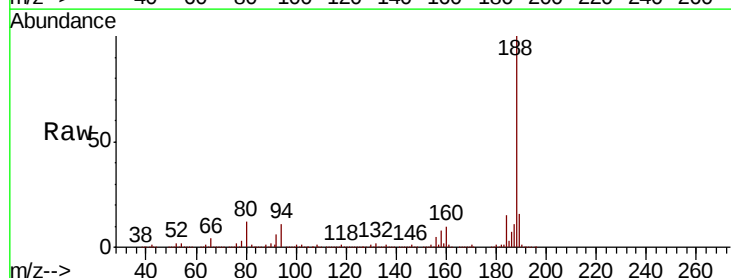
Tgt Ion:188 Resp: 928898

Ion Ratio Lower Upper

188 100

94 10.9 8.4 12.6

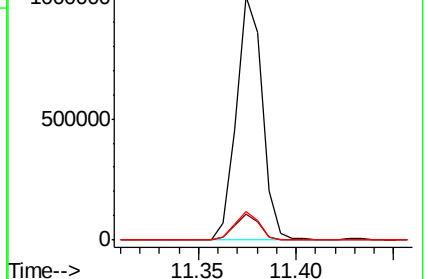
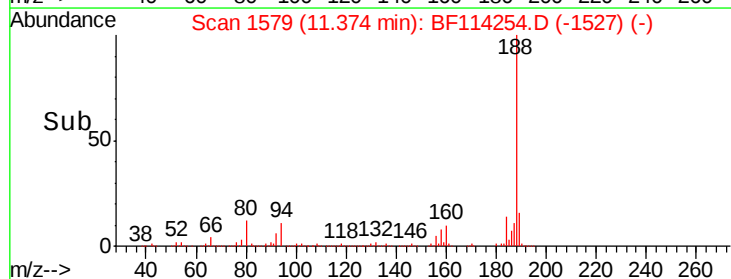
80 11.9 9.2 13.8

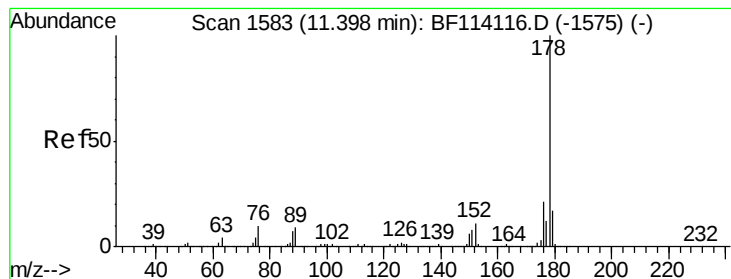


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 13.343 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BF114254.D

Acq: 14 May 2019 10:43

Instrument :

BNA_F

ClientSampleId :

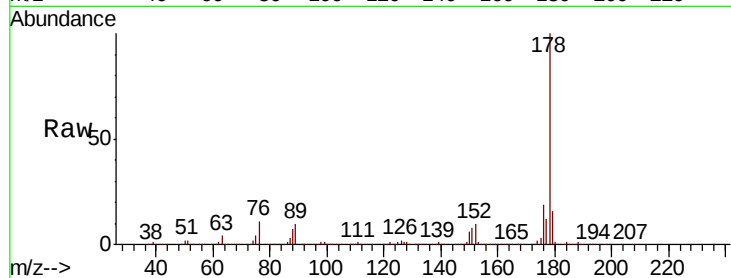
Tot Ion:178 Resp: 603011

Ion Ratio Lower Upper

178 100

176 19.5 16.4 24.6

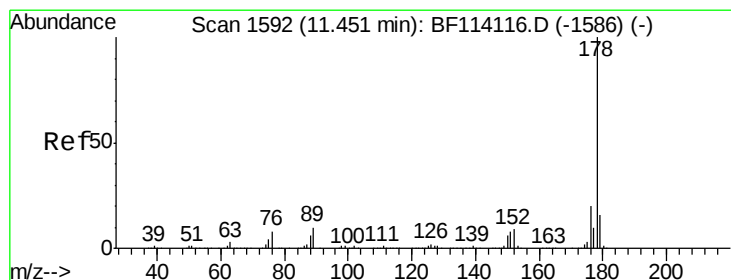
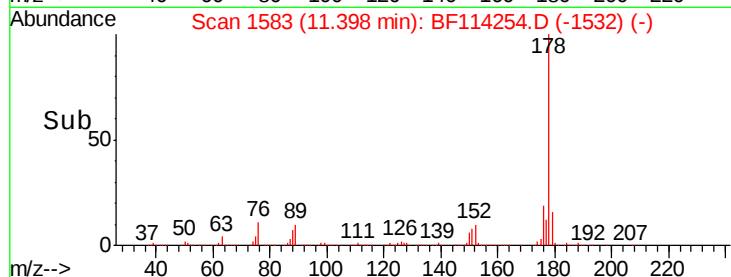
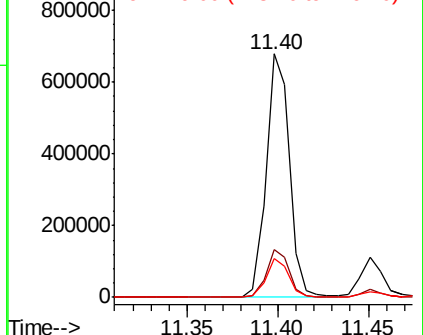
179 16.0 13.2 19.8



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



#72

Anthracene

Concen: 2.137 ng

RT: 11.45 min Scan# 1592

Delta R.T. -0.00 min

Lab File: BF114254.D

Acq: 14 May 2019 10:43

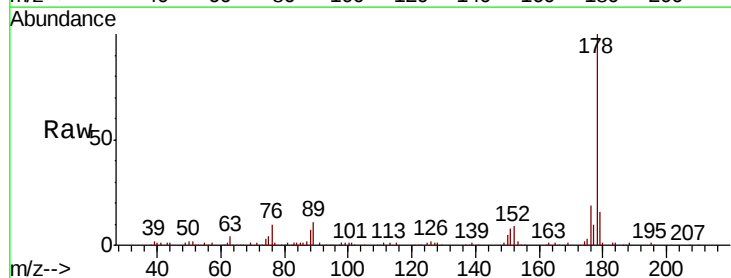
Tgt Ion:178 Resp: 96981

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

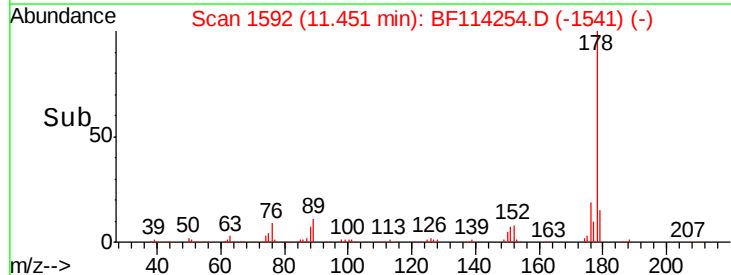
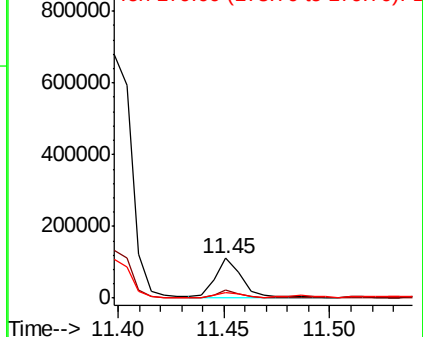
179 15.5 13.0 19.4

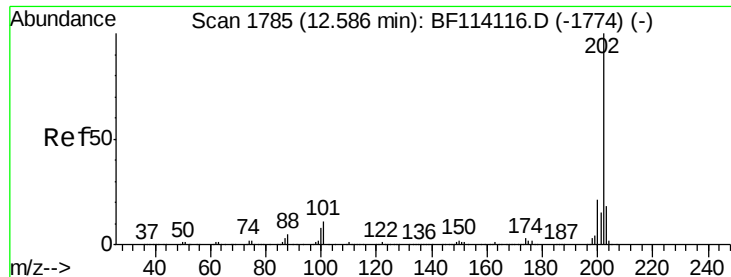


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 16.527 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BF114254.D

Acq: 14 May 2019 10:43

Instrument :

BNA_F

ClientSampleId :

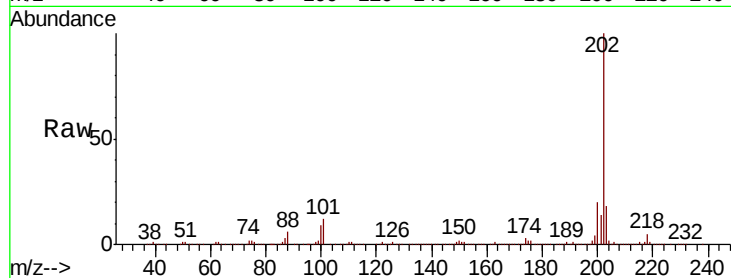
Tot Ion:202 Resp: 804307

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.0

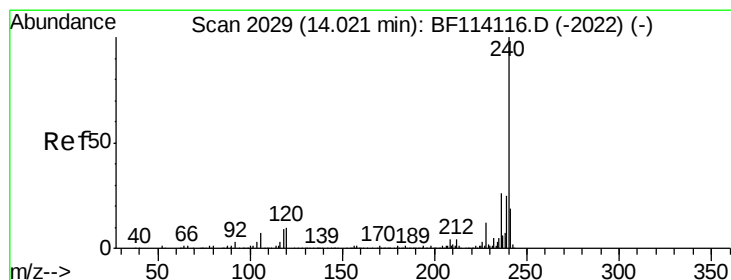
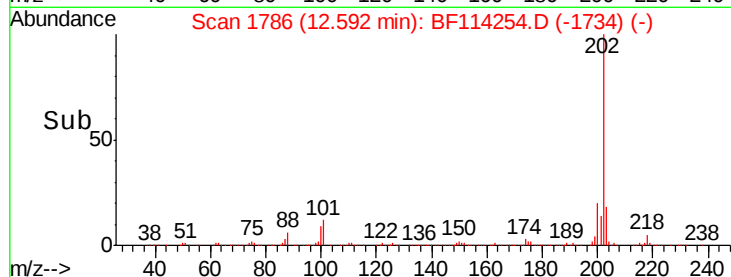
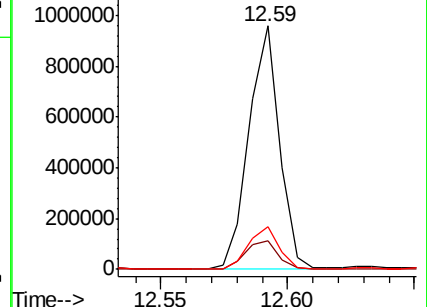
203 17.8 0.0 38.4



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: 14.02 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BF114254.D

Acq: 14 May 2019 10:43

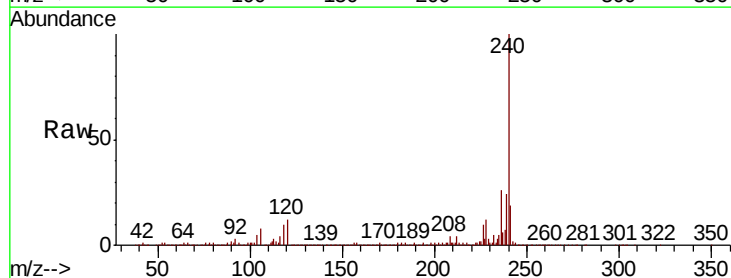
Tgt Ion:240 Resp: 623859

Ion Ratio Lower Upper

240 100

120 11.8 8.3 12.5

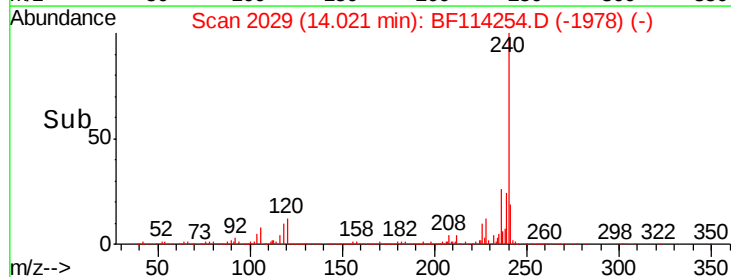
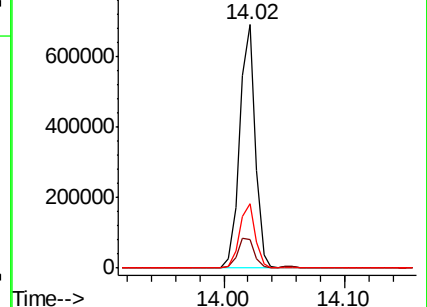
236 26.5 20.8 31.2

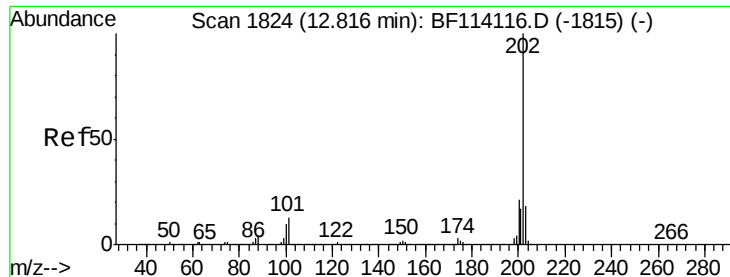


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 29.483 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.01 min

Lab File: BF114254.D

Acq: 14 May 2019 10:43

Instrument :

BNA_F

ClientSampleId :

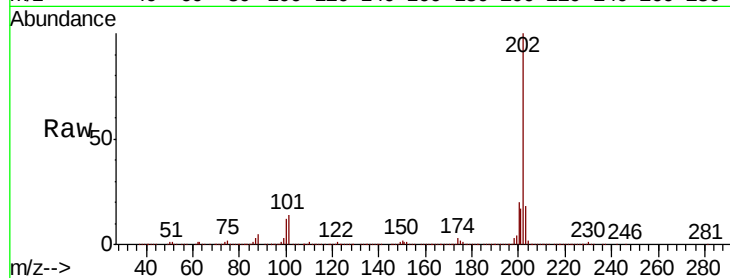
Tot Ion:202 Resp: 1479649

Ion Ratio Lower Upper

202 100

200 20.3 16.9 25.3

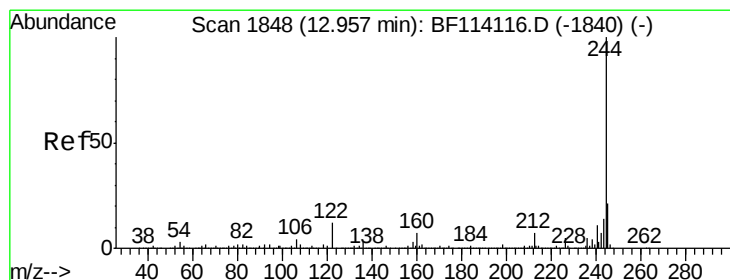
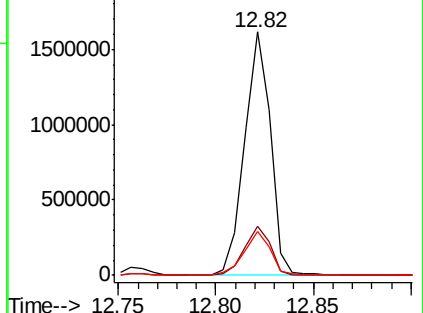
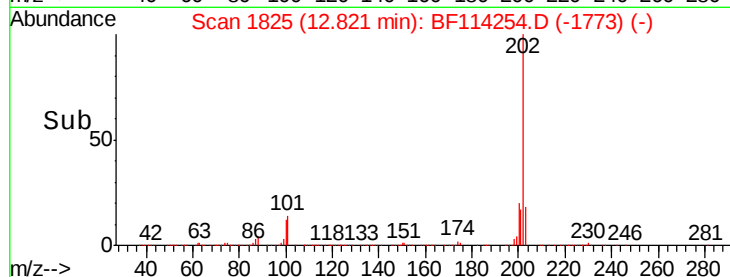
203 18.1 14.5 21.7



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: 6.533 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF114254.D

Acq: 14 May 2019 10:43

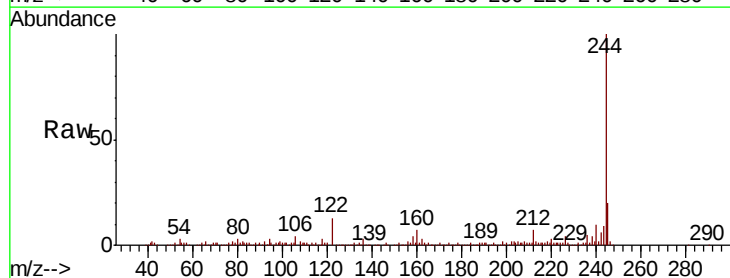
Tgt Ion:244 Resp: 197711

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

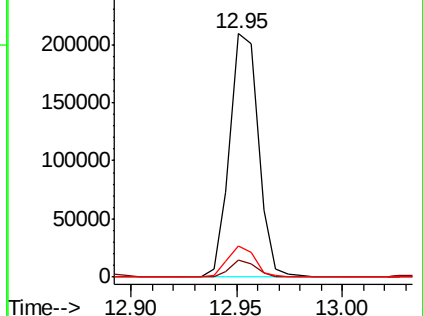
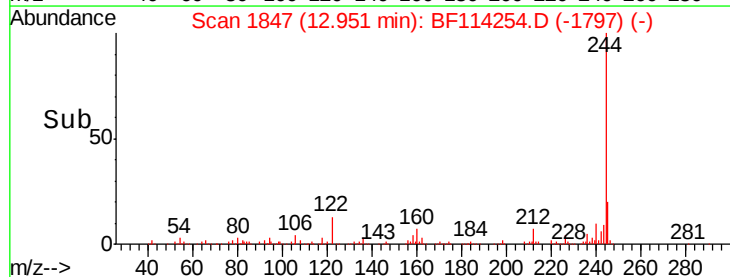
122 12.8 9.4 14.2

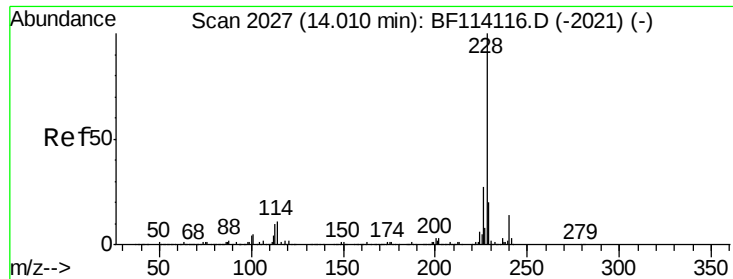


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

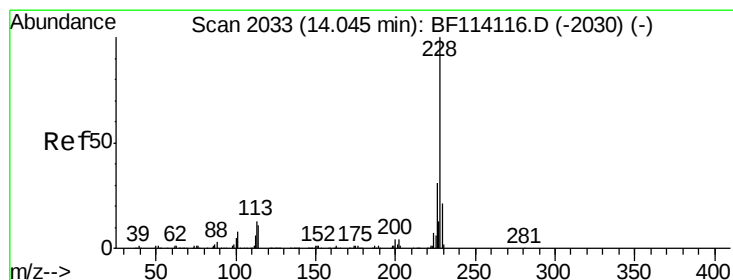
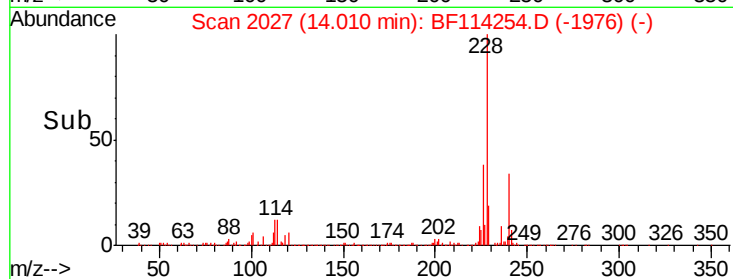
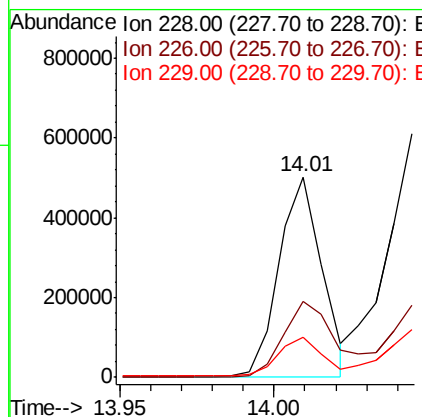
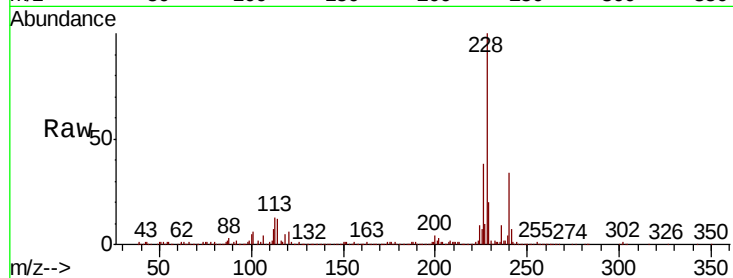




#81
Benzo(a)anthracene
Concen: 12.093 ng m
RT: 14.01 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BF114254.D
Acq: 14 May 2019 10:43

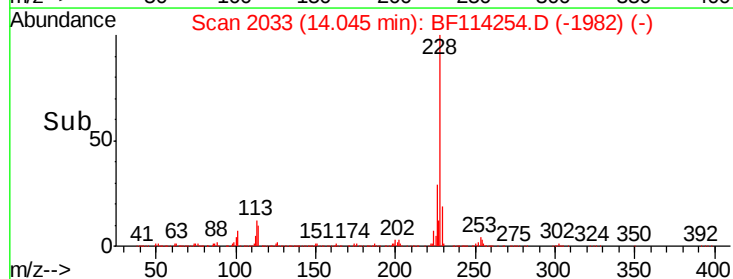
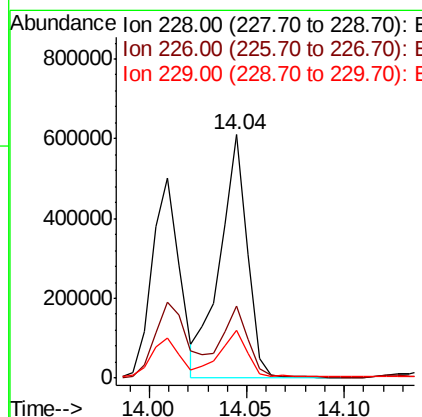
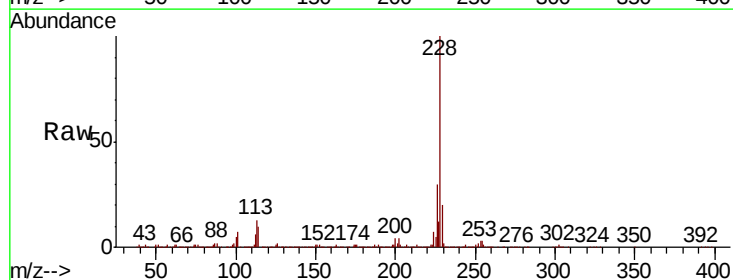
Instrument :
BNA_F
ClientSampleId :

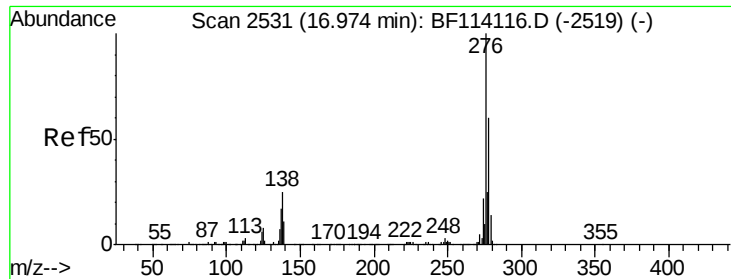
Tot Ion:228 Resp: 487953
Ion Ratio Lower Upper
228 100
226 38.2 22.2 33.2#
229 19.8 16.4 24.6



#83
Chrysene
Concen: 14.963 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BF114254.D
Acq: 14 May 2019 10:43

Tgt Ion:228 Resp: 591853
Ion Ratio Lower Upper
228 100
226 29.8 25.0 37.6
229 19.5 17.0 25.6

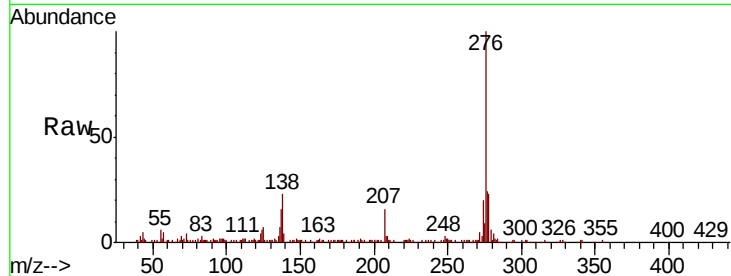




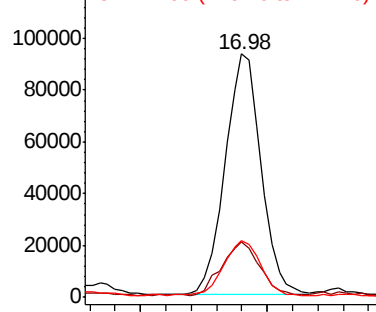
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.267 ng
 RT: 16.98 min Scan# 2532
 Delta R.T. 0.01 min
 Lab File: BF114254.D
 Acq: 14 May 2019 10:43

Instrument :
 BNA_F
 ClientSampleId :

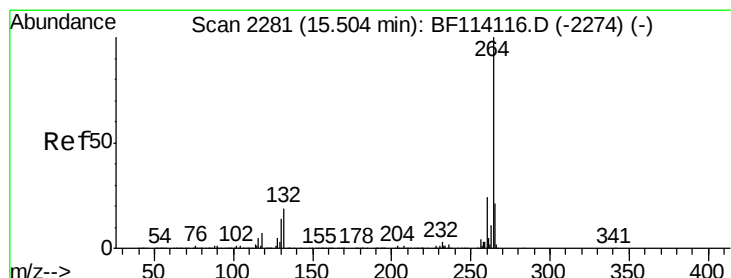
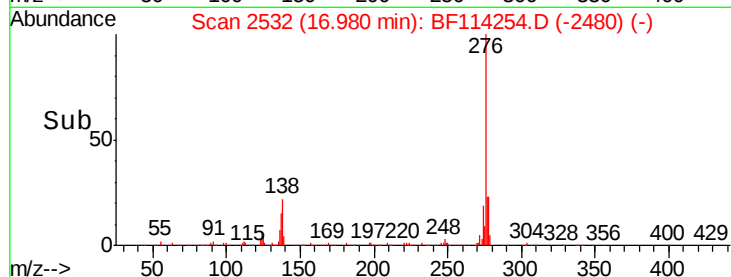
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.9	20.2	30.2
277	23.1	20.0	30.0



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

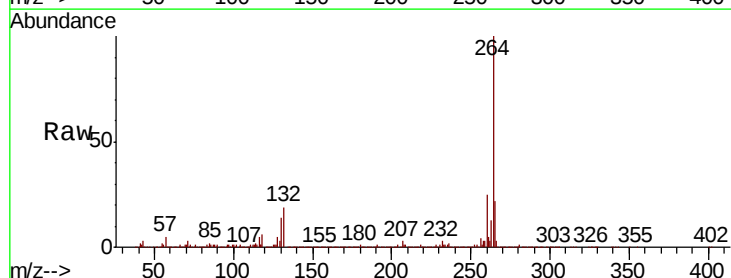


Time-->

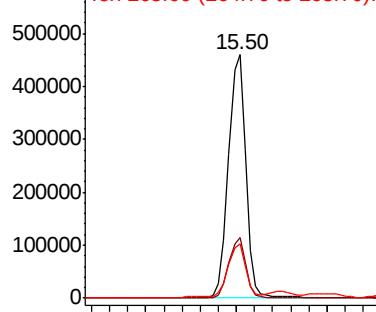


#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: BF114254.D
 Acq: 14 May 2019 10:43

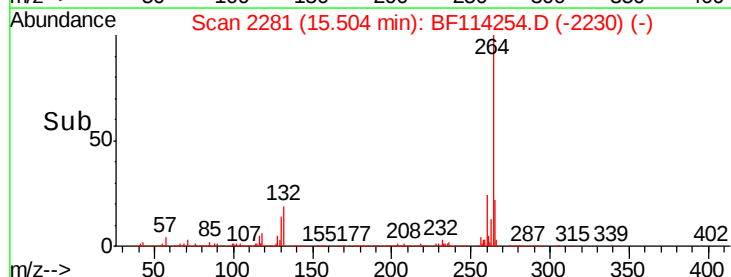
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.0
265	22.3	16.9	25.3

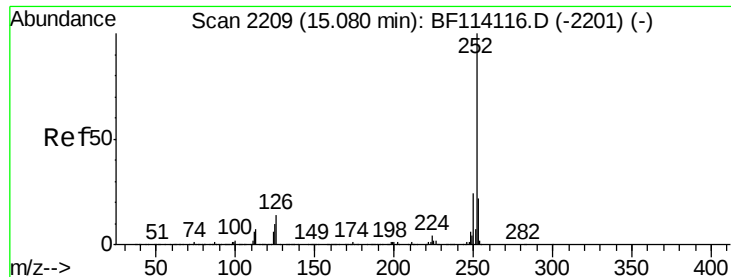


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E



Time-->

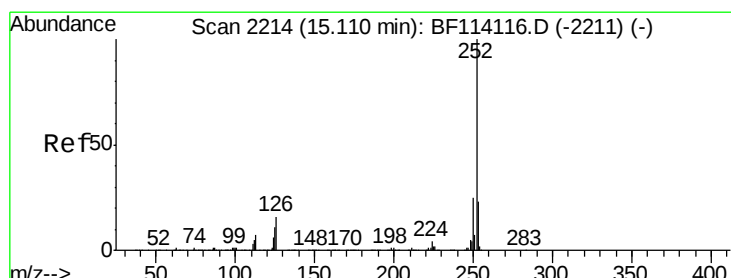
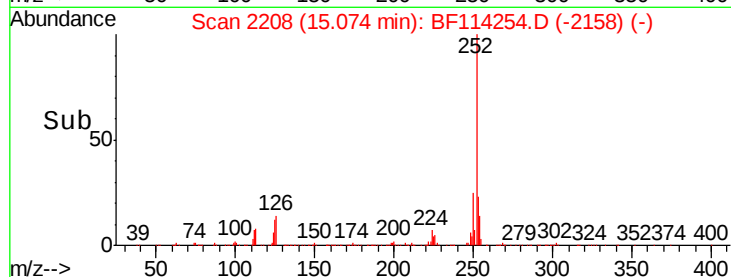
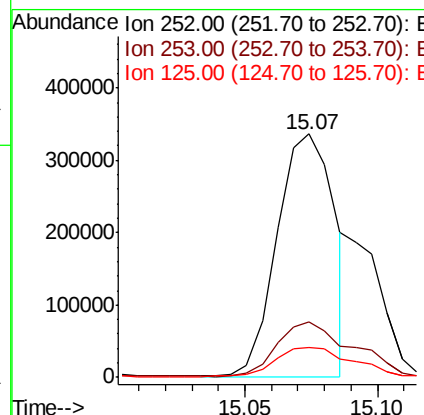
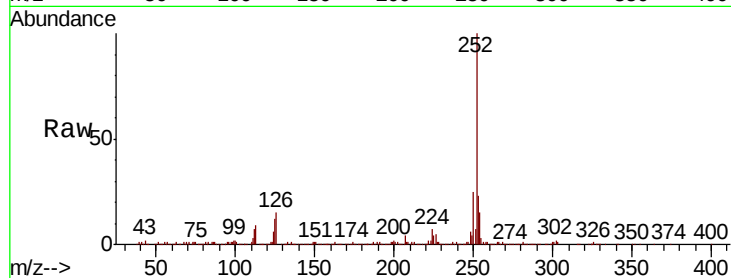




#88
Benzo(b)fluoranthene
Concen: 13.038 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF114254.D
Acq: 14 May 2019 10:43

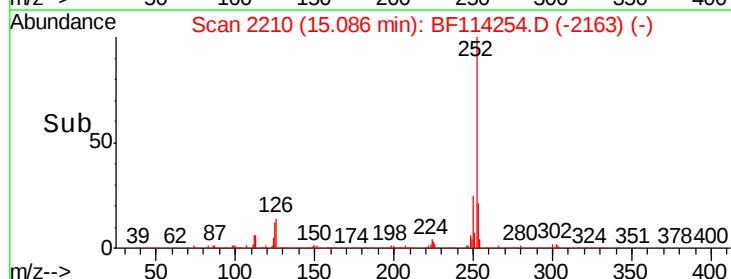
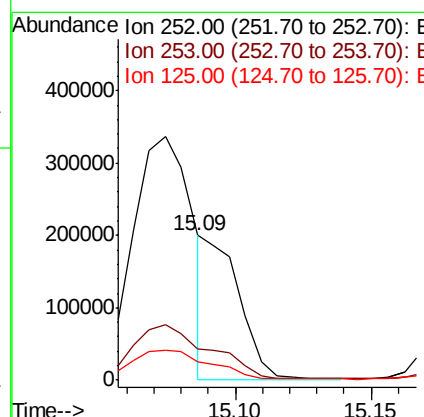
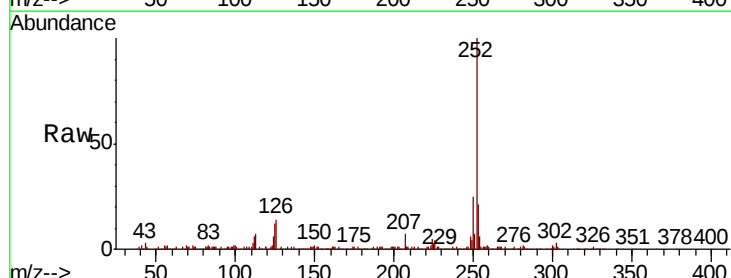
Instrument :
BNA_F
ClientSampleId :

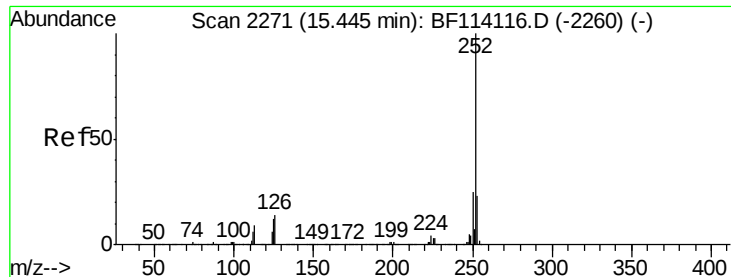
Tot Ion:252 Resp: 513485
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 12.4 8.3 12.5



#89
Benzo(k)fluoranthene
Concen: 4.767 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.02 min
Lab File: BF114254.D
Acq: 14 May 2019 10:43

Tgt Ion:252 Resp: 172481
Ion Ratio Lower Upper
252 100
253 21.2 18.2 27.2
125 12.2 8.6 13.0

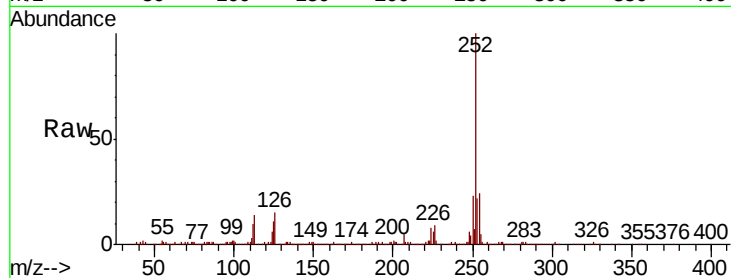




#90
Benzo(a)pyrene
Concen: 10.001 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF114254.D
Acq: 14 May 2019 10:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1
125	11.2	9.5	14.3

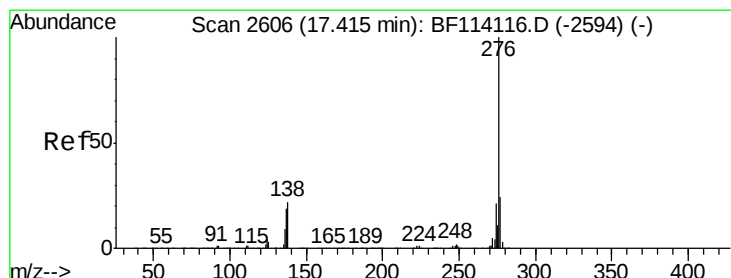
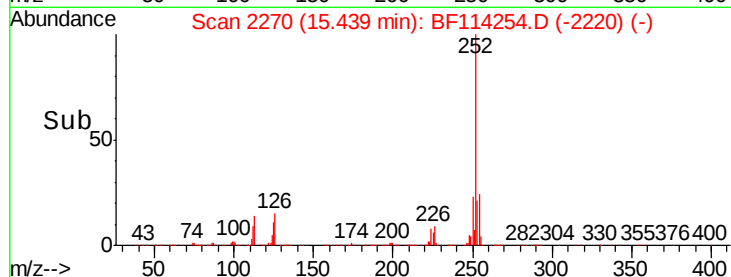
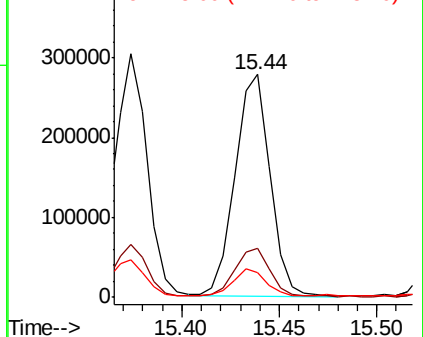


Abundance

Ion 252.00 (251.70 to 252.70): E

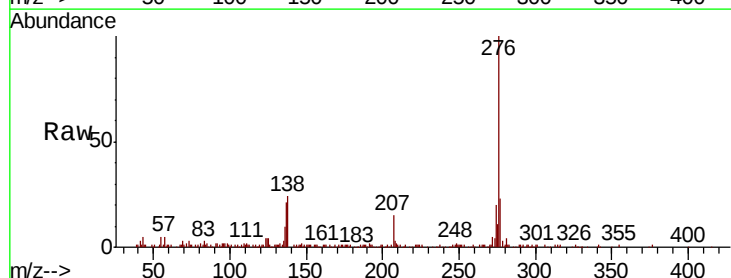
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 7.073 ng
RT: 17.43 min Scan# 2608
Delta R.T. 0.01 min
Lab File: BF114254.D
Acq: 14 May 2019 10:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.6	19.0	28.4
138	23.9	17.8	26.6



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

