

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051219\
 Data File : BF114216.D
 Acq On : 13 May 2019 2:32
 Operator : JU/SJ
 Sample : K2765-15DL 2X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS005-0612-01DL

Quant Time: May 13 07:51:35 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	264834	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1001228	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	452546	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	803750	20.00	ng	0.00
76) Chrysene-d12	14.02	240	569660	20.00	ng	0.00
87) Perylene-d12	15.49	264	597410	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	957890	58.21	ng	0.00
7) Phenol-d6	6.49	99	1262815	64.88	ng	0.00
23) Nitrobenzene-d5	7.41	82	755677	42.36	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	268256	57.34	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1170672	39.13	ng	0.00
79) Terphenyl-d14	12.95	244	924154	33.44	ng	0.00

Target Compounds

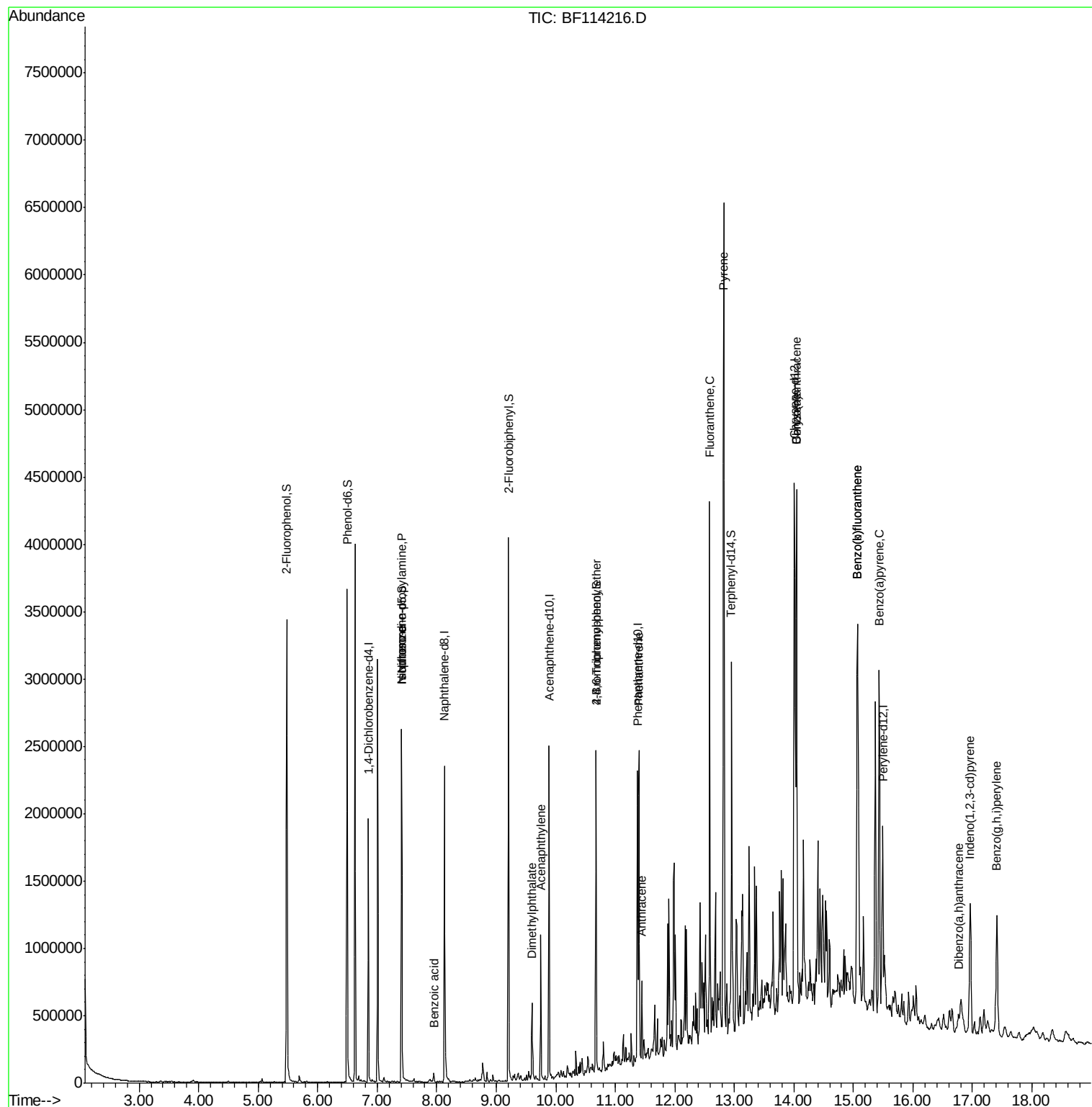
						Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	99804	8.090	ng	# 76
25) Isophorone	7.41	82	755545	22.835	ng	# 64
32) Benzoic acid	7.96	122	123	7.031	ng	# 9
49) Acenaphthylene	9.75	152	446641	9.981	ng	99
50) Dimethylphthalate	9.60	163	195288	5.878	ng	99
67) 4-Bromophenyl-phenylether	10.67	248	18010	2.035	ng	# 1
71) Phenanthrene	11.40	178	859209	21.973	ng	97
72) Anthracene	11.44	178	216806	5.520	ng	98
75) Fluoranthene	12.59	202	1603246	38.073	ng	100
78) Pyrene	12.82	202	2660312	58.052	ng	99
81) Benzo(a)anthracene	14.04	228	1510496	40.996	ng	95
83) Chrysene	14.04	228	1510496	41.820	ng	99
86) Indeno(1,2,3-cd)pyrene	16.96	276	667693	20.917	ng	97
88) Benzo(b)fluoranthene	15.07	252	2055418	53.703	ng	# 97
89) Benzo(k)fluoranthene	15.07	252	2055418	58.462	ng	98
90) Benzo(a)pyrene	15.43	252	1061163	31.504	ng	100
91) Dibenzo(a,h)anthracene	16.77	278	110410	3.945	ng	98
92) Benzo(g,h,i)perylene	17.42	276	742819	26.482	ng	98

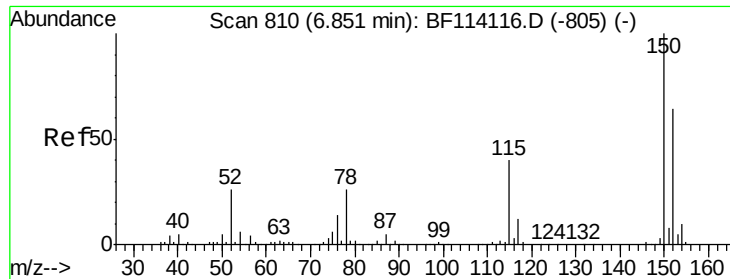
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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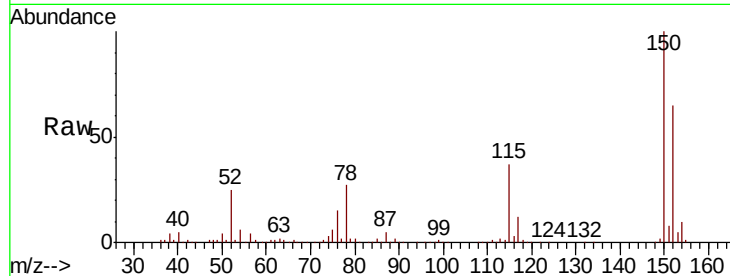




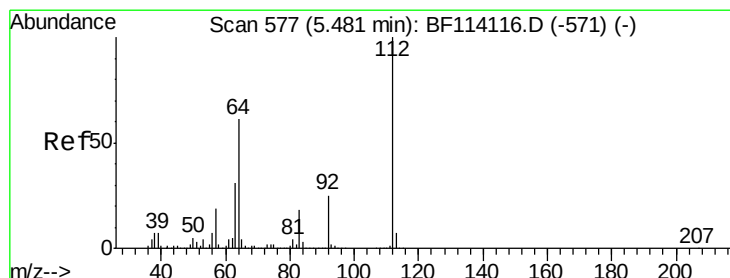
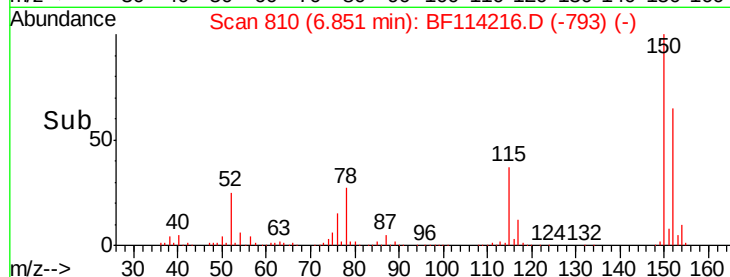
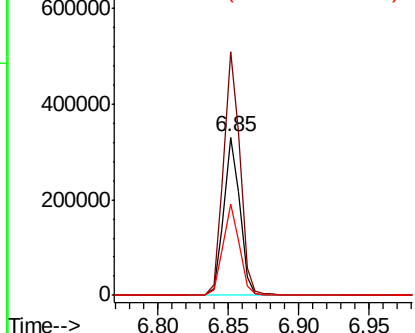
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF114216.D
 Acq: 13 May 2019 2:32

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS005-0612-01DL

Tgt Ion:152 Resp: 264834
 Ion Ratio Lower Upper
 152 100
 150 154.1 124.3 186.5
 115 57.5 49.1 73.7

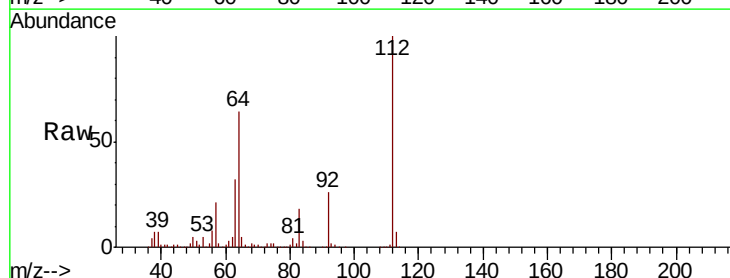


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

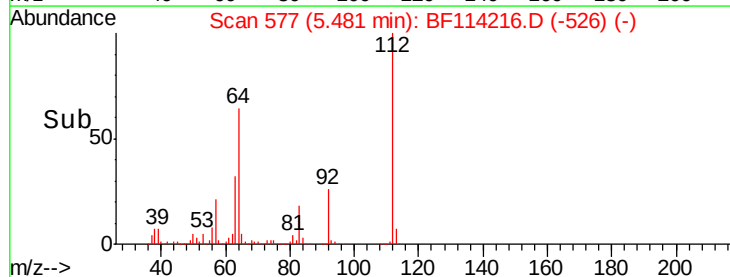
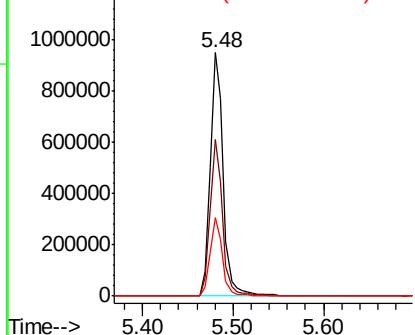


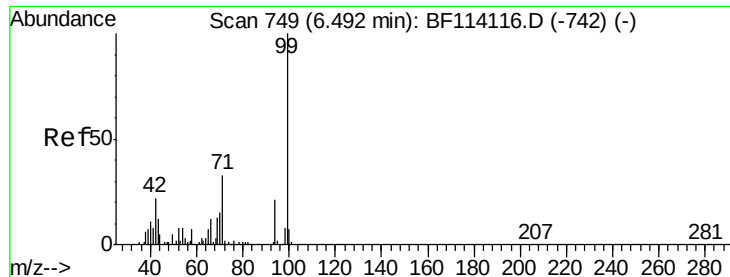
#5
 2-Fluorophenol
 Concen: 58.206 ng
 RT: 5.48 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: BF114216.D
 Acq: 13 May 2019 2:32

Tgt Ion:112 Resp: 957890
 Ion Ratio Lower Upper
 112 100
 64 64.4 49.0 73.6
 63 32.5 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: 64.879 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF114216.D

Acq: 13 May 2019 2:32

Instrument :

BNA_F

ClientSampleId :

P026-SS005-0612-01DL

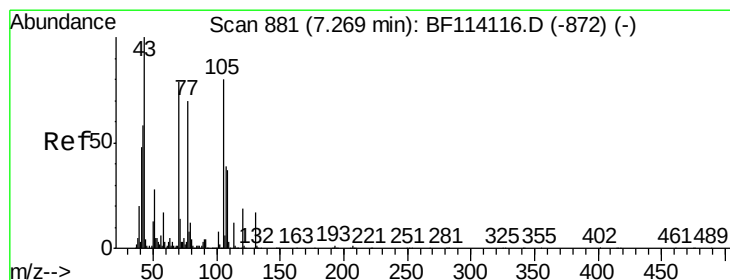
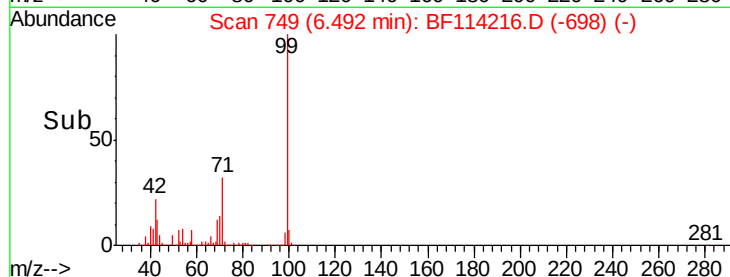
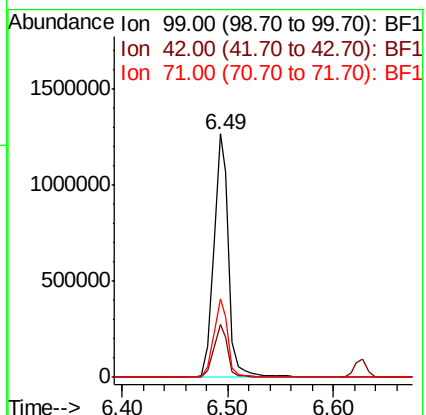
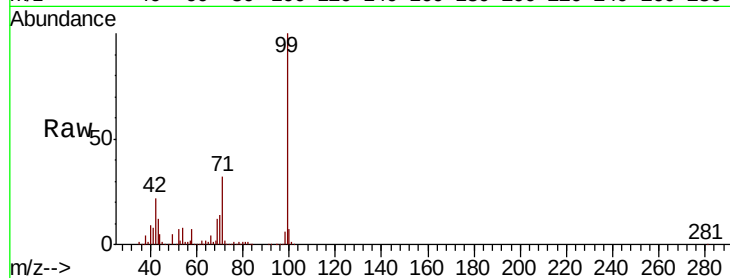
Tgt Ion: 99 Resp: 1262815

Ion Ratio Lower Upper

99 100

42 21.9 17.9 26.9

71 32.0 26.2 39.2



#19

n-Nitroso-di-n-propylamine

Concen: 8.090 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF114216.D

Acq: 13 May 2019 2:32

Tgt Ion: 70 Resp: 99804

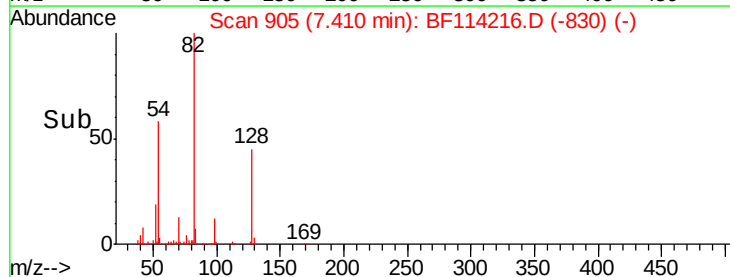
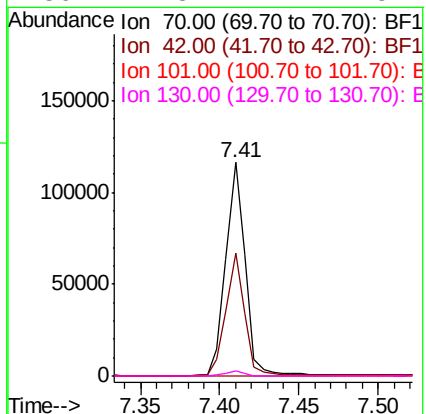
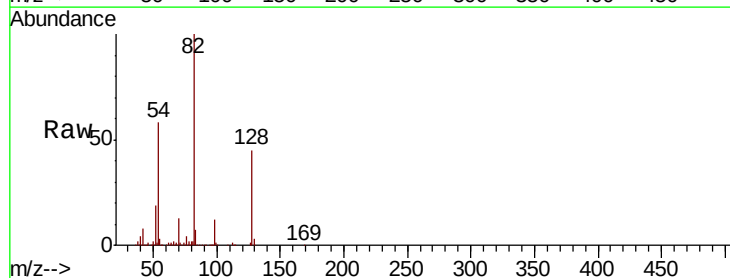
Ion Ratio Lower Upper

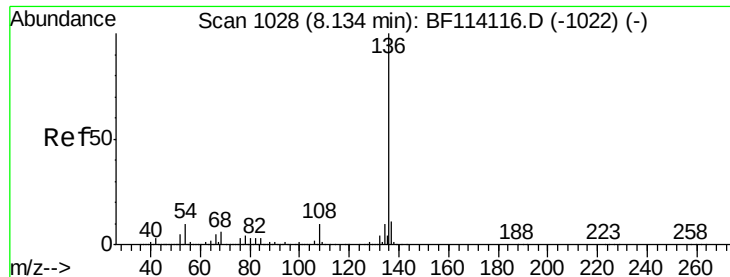
70 100

42 57.6 58.6 87.8#

101 0.0 7.8 11.8#

130 2.3 17.1 25.7#

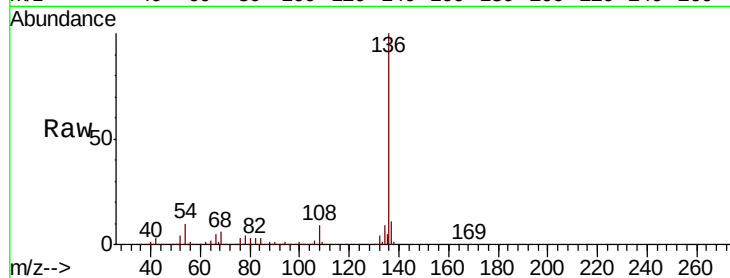




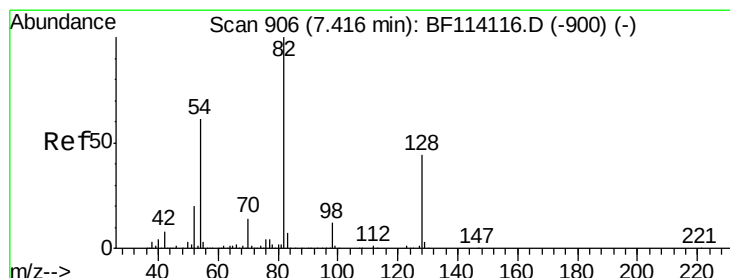
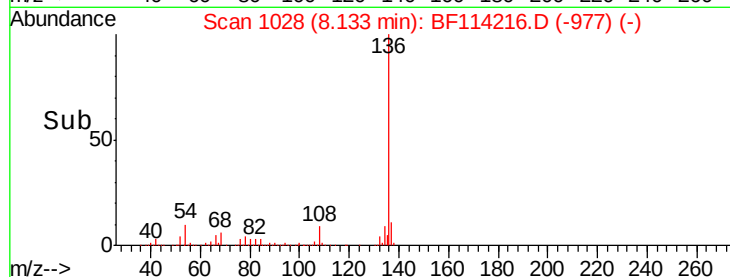
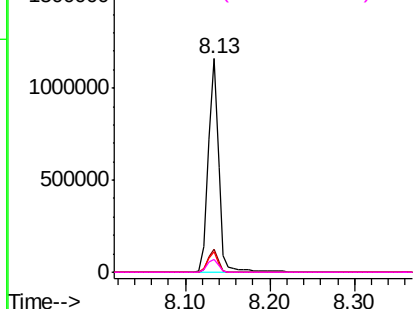
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BF114216.D
Acq: 13 May 2019 2:32

Instrument :
BNA_F
ClientSampleId :
P026-SS005-0612-01DL

Tgt Ion:	136	Resp:	1001228
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	9.5	7.8	11.8
68	6.2	5.1	7.7

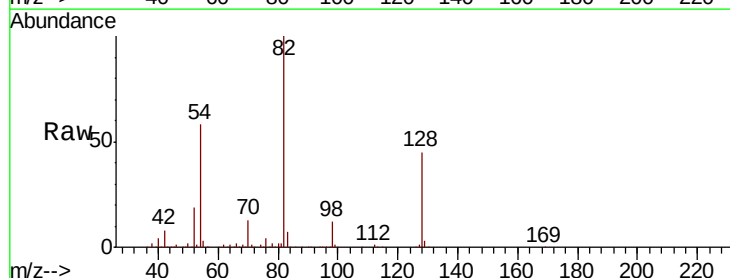


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

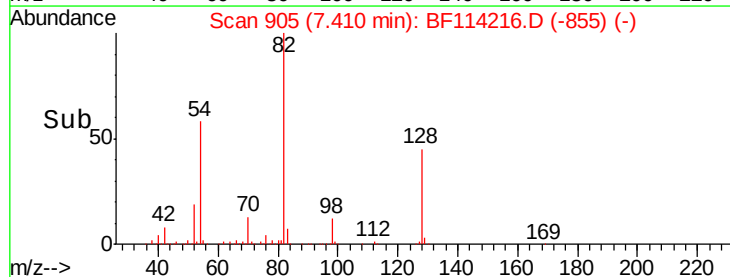
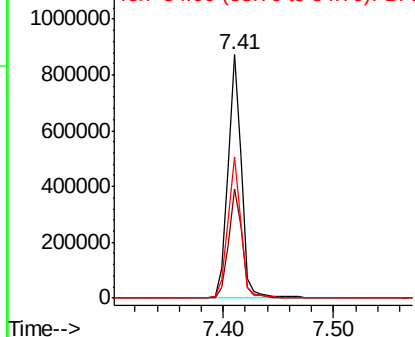


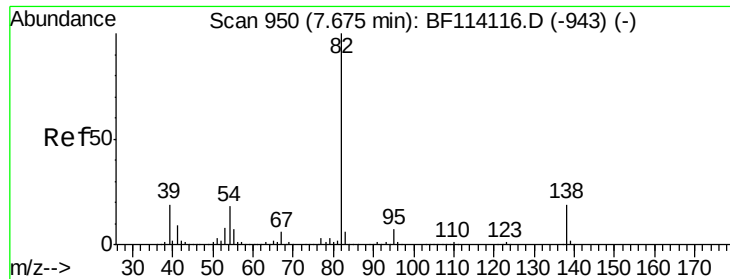
#23
Nitrobenzene-d5
Concen: 42.357 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114216.D
Acq: 13 May 2019 2:32

Tgt Ion:	82	Resp:	755677
Ion	Ratio	Lower	Upper
82	100		
128	44.7	35.5	53.3
54	58.1	48.5	72.7



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





#25

Isophorone

Concen: 22.835 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF114216.D

Acq: 13 May 2019 2:32

Instrument :

BNA_F

ClientSampleId :

P026-SS005-0612-01DL

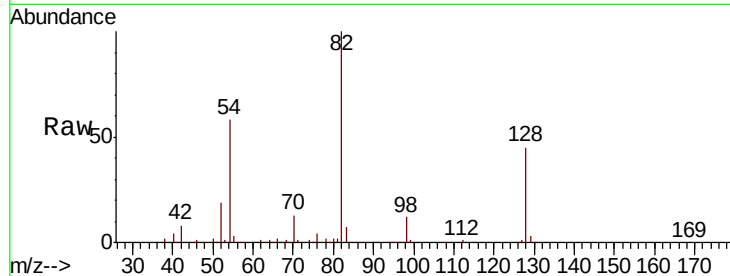
Tgt Ion: 82 Resp: 755545

Ion Ratio Lower Upper

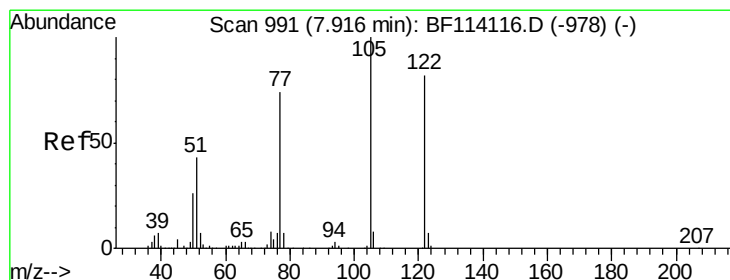
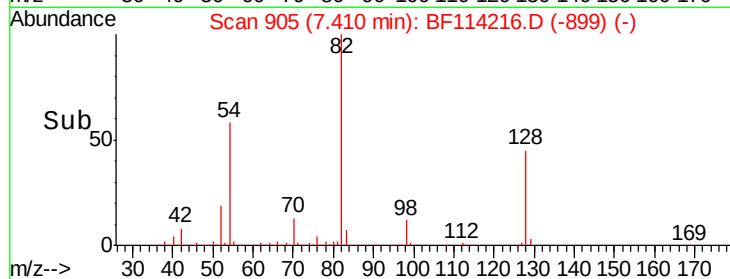
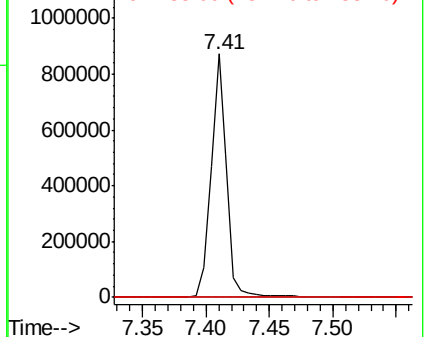
82 100

95 0.1 5.6 8.4#

138 0.0 14.8 22.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 7.031 ng

RT: 7.96 min Scan# 998

Delta R.T. 0.04 min

Lab File: BF114216.D

Acq: 13 May 2019 2:32

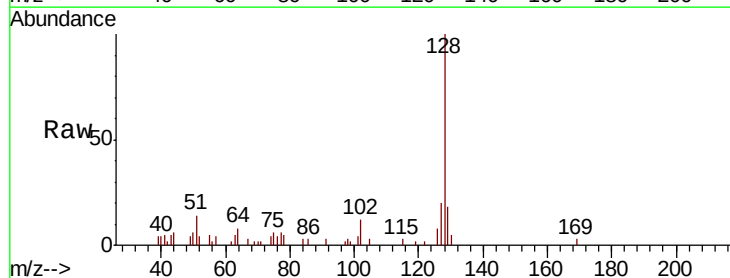
Tgt Ion: 122 Resp: 123

Ion Ratio Lower Upper

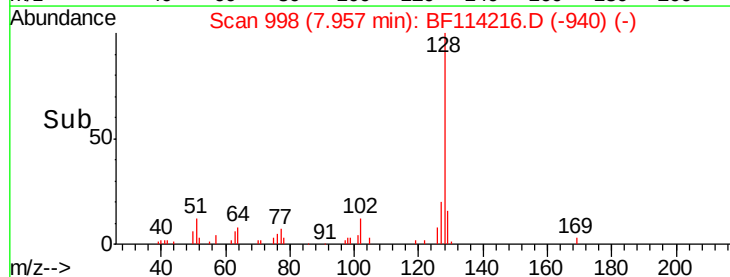
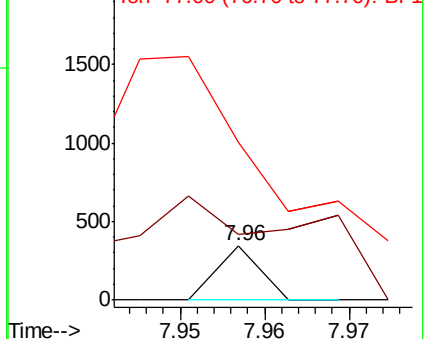
122 100

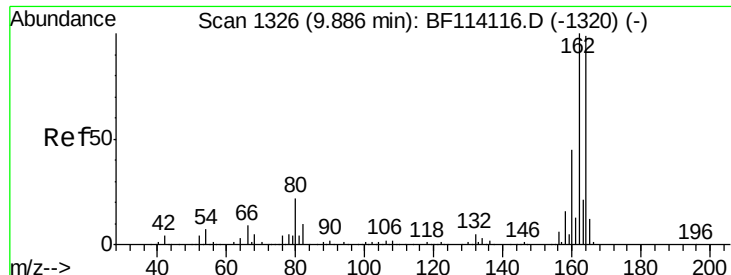
105 120.4 99.9 139.9

77 289.7 69.4 109.4#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

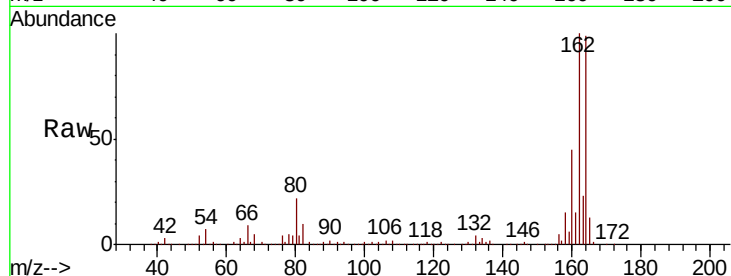




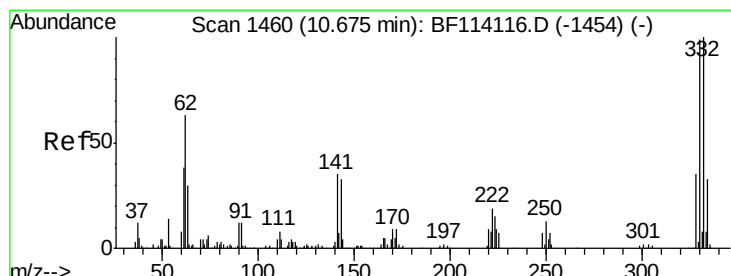
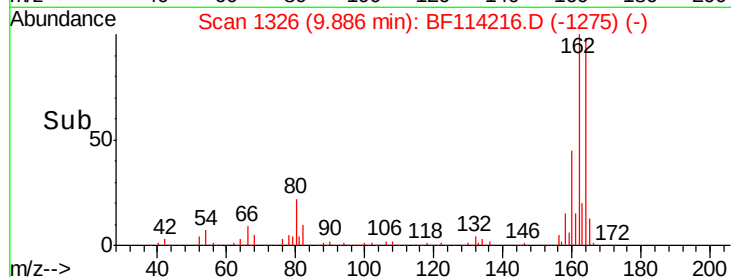
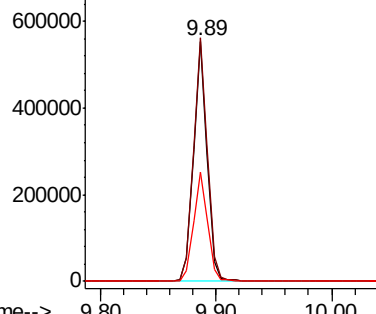
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.00 min
 Lab File: BF114216.D
 Acq: 13 May 2019 2:32

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS005-0612-01DL

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	80.6	120.8
160	45.2	36.5	54.7

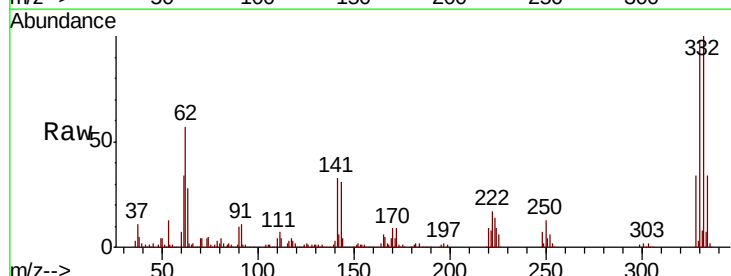


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

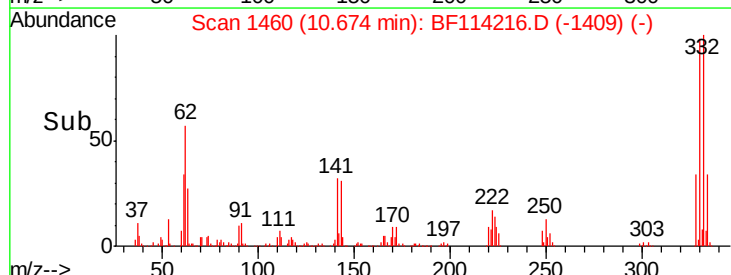
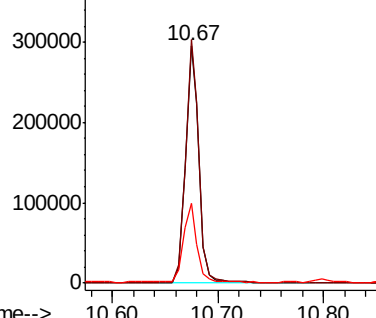


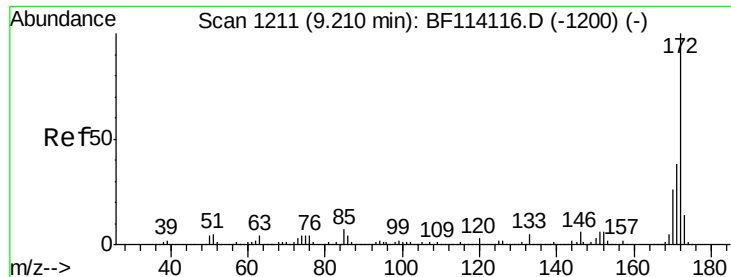
#42
 2,4,6-Tribromophenol
 Concen: 57.337 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.00 min
 Lab File: BF114216.D
 Acq: 13 May 2019 2:32

Tgt Ion	Ratio	Lower	Upper
330	100		
332	101.5	81.4	122.2
141	32.8	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

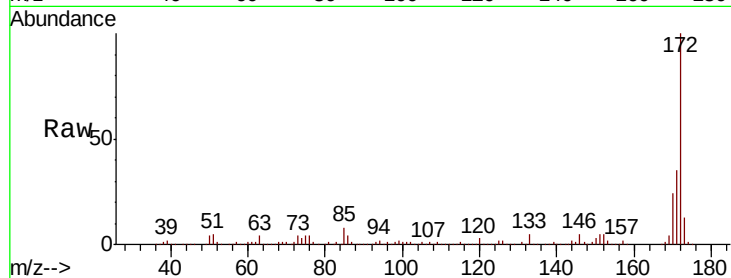




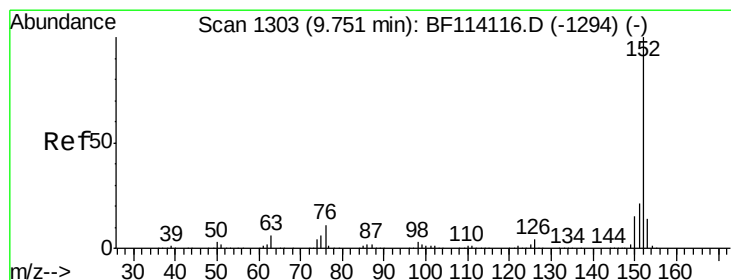
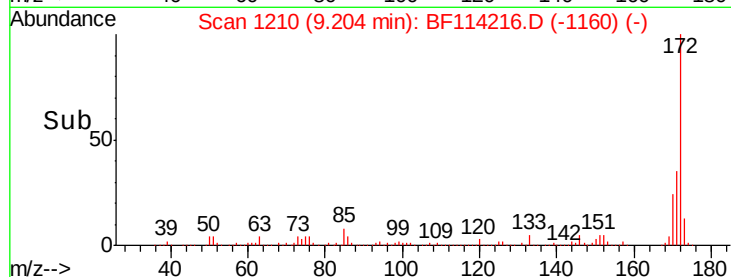
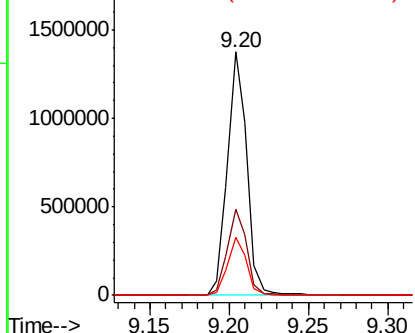
#45
2-Fluorobiphenyl
Concen: 39.131 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF114216.D
Acq: 13 May 2019 2:32

Instrument :
BNA_F
ClientSampleId :
P026-SS005-0612-01DL

Tgt Ion:172 Resp: 1170672
Ion Ratio Lower Upper
172 100
171 35.3 30.7 46.1
170 23.7 20.5 30.7

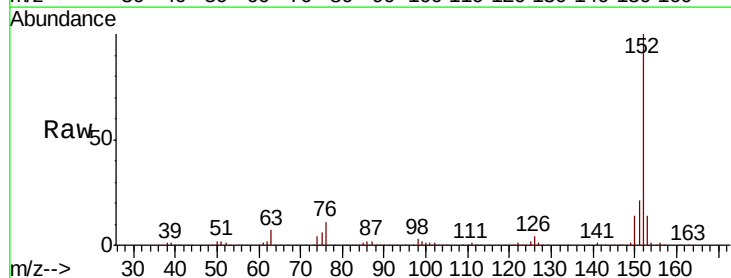


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

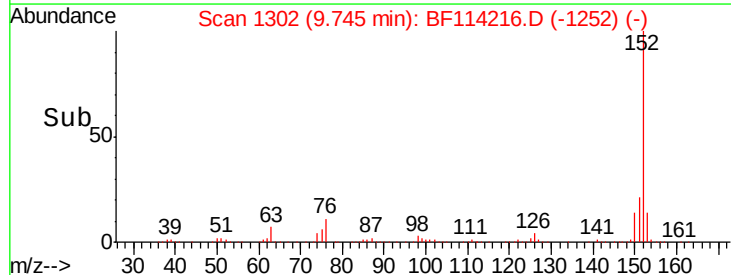
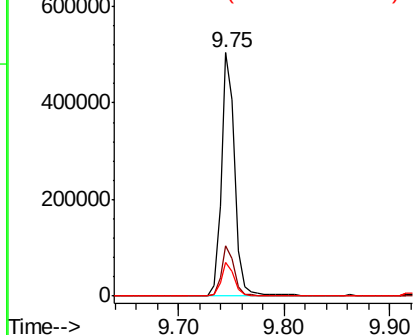


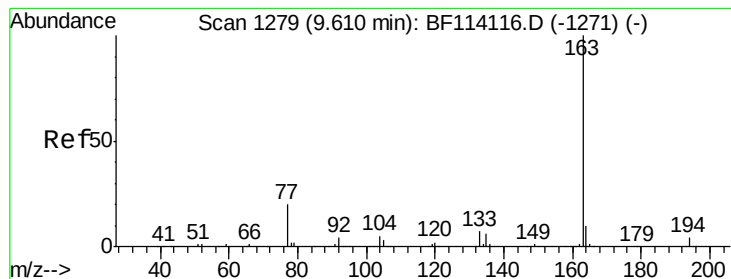
#49
Acenaphthylene
Concen: 9.981 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF114216.D
Acq: 13 May 2019 2:32

Tgt Ion:152 Resp: 446641
Ion Ratio Lower Upper
152 100
151 20.6 16.8 25.2
153 13.7 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





#50

Dimethylphthalate

Concen: 5.878 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF114216.D

Acq: 13 May 2019 2:32

Instrument :

BNA_F

ClientSampleId :

P026-SS005-0612-01DL

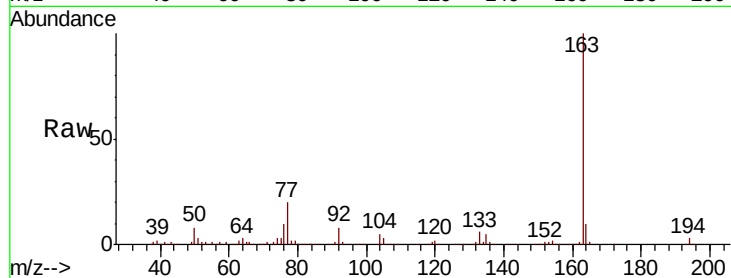
Tgt Ion:163 Resp: 195288

Ion Ratio Lower Upper

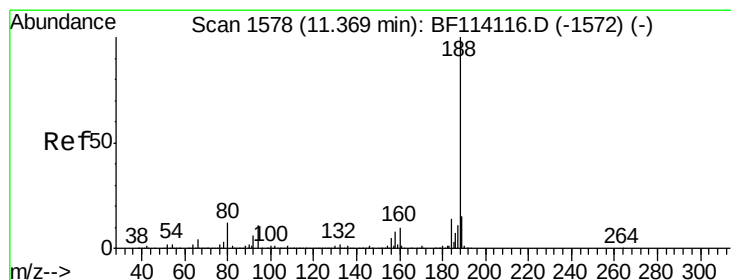
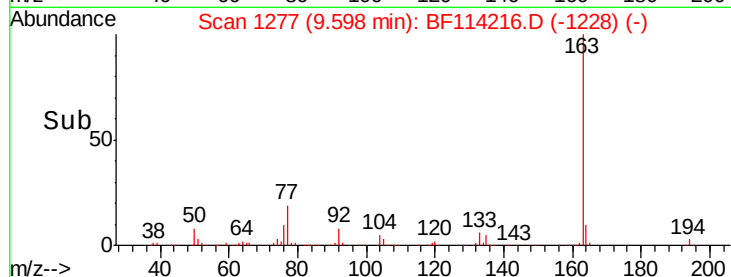
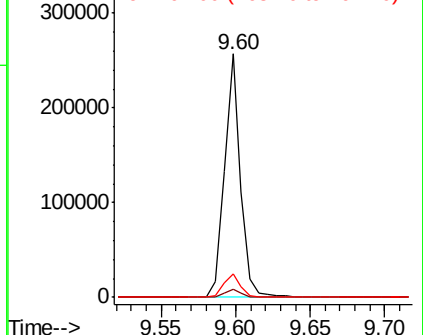
163 100

194 3.5 3.4 5.0

164 9.8 8.2 12.2



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: 11.37 min Scan# 1579

Delta R.T. 0.01 min

Lab File: BF114216.D

Acq: 13 May 2019 2:32

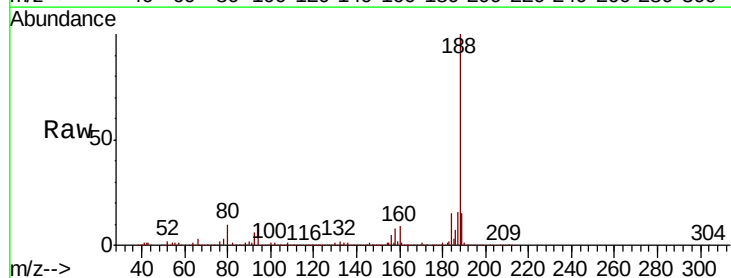
Tgt Ion:188 Resp: 803750

Ion Ratio Lower Upper

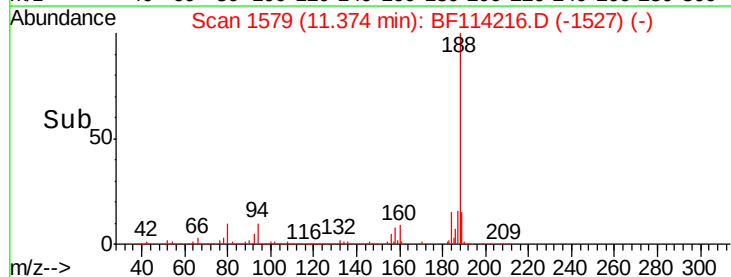
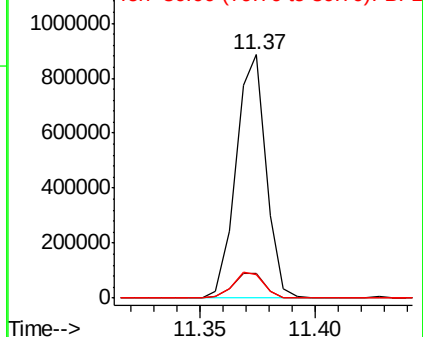
188 100

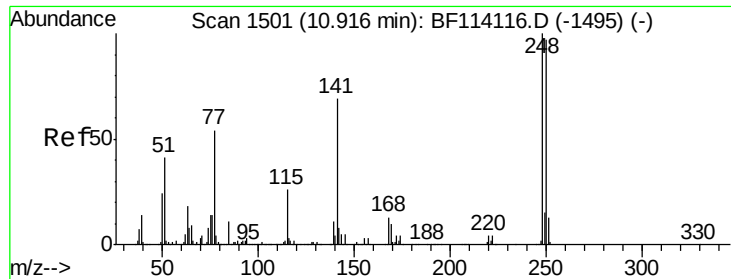
94 10.0 8.4 12.6

80 9.9 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

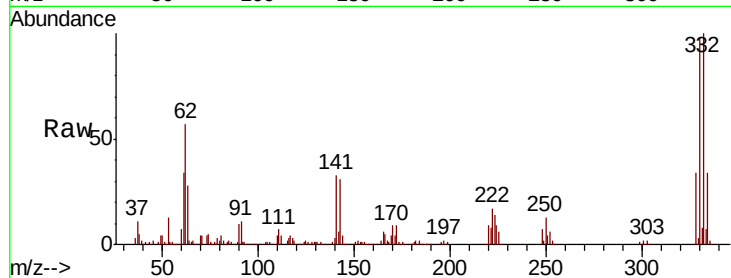




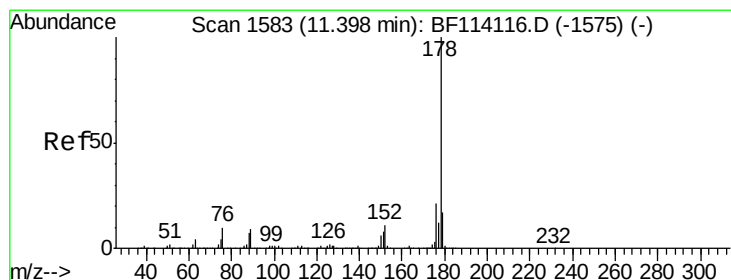
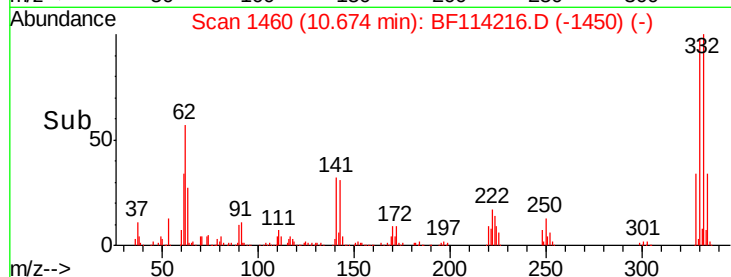
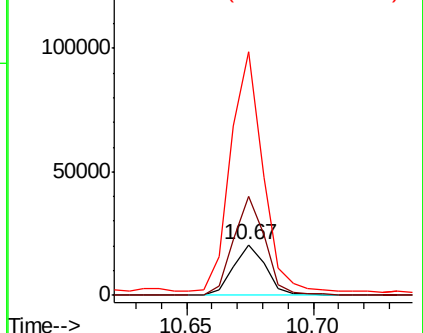
#67
 4-Bromophenyl-phenylether
 Concen: 2.035 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.24 min
 Lab File: BF114216.D
 Acq: 13 May 2019 2:32

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS005-0612-01DL

Tgt Ion:248 Resp: 18010
 Ion Ratio Lower Upper
 248 100
 250 197.6 77.4 116.2#
 141 483.0 55.6 83.4#

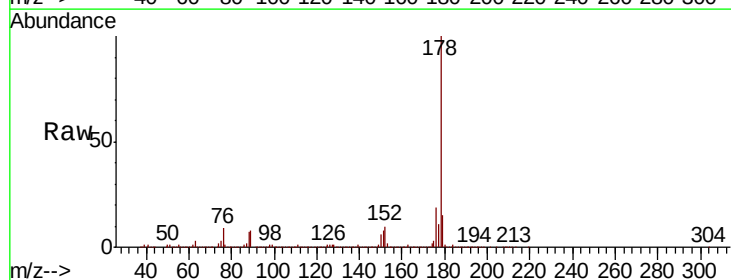


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

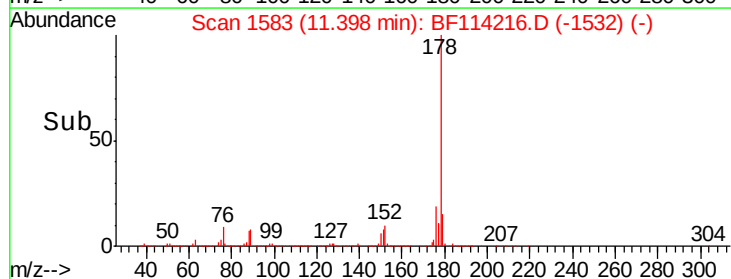
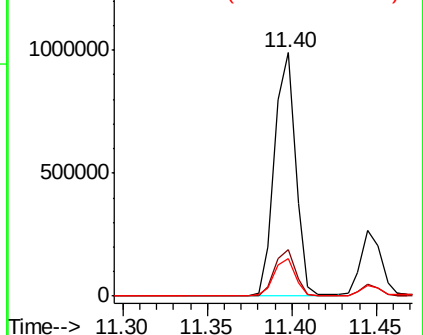


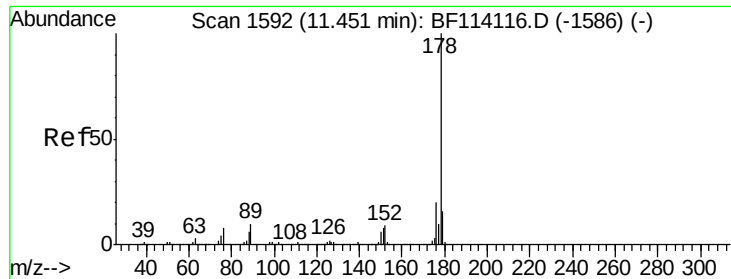
#71
 Phenanthrene
 Concen: 21.973 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: BF114216.D
 Acq: 13 May 2019 2:32

Tgt Ion:178 Resp: 859209
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.4 24.6
 179 15.2 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: 5.520 ng

RT: 11.44 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF114216.D

Acq: 13 May 2019 2:32

Instrument :

BNA_F

ClientSampleId :

P026-SS005-0612-01DL

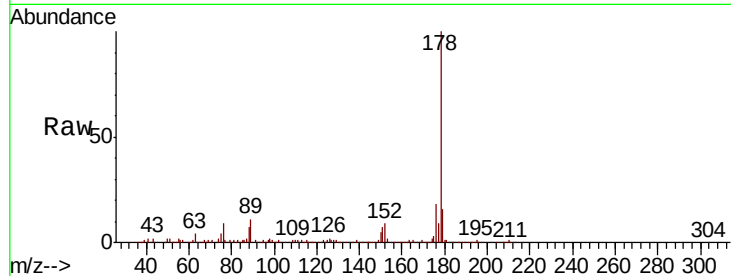
Tgt Ion:178 Resp: 216806

Ion Ratio Lower Upper

178 100

176 18.4 15.8 23.8

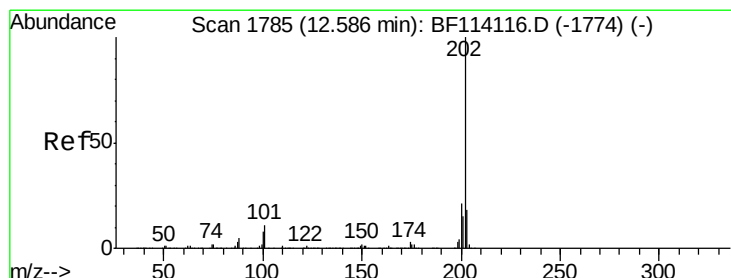
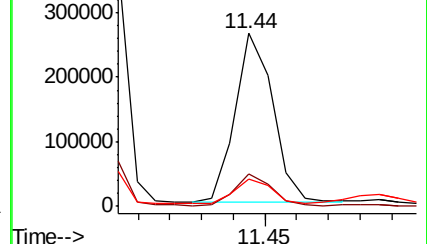
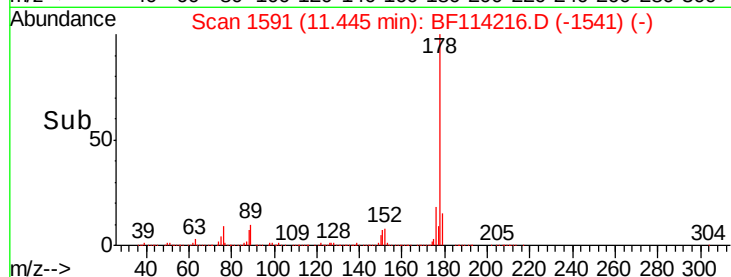
179 15.9 13.0 19.4



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: 38.073 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BF114216.D

Acq: 13 May 2019 2:32

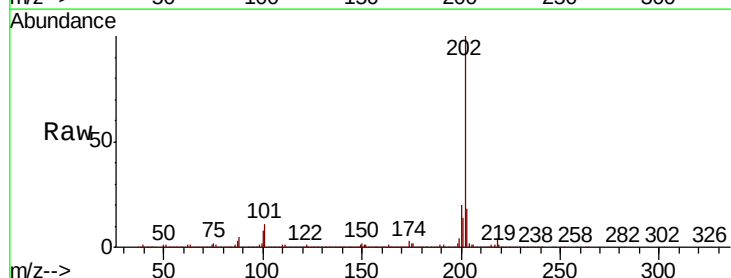
Tgt Ion:202 Resp: 1603246

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.0

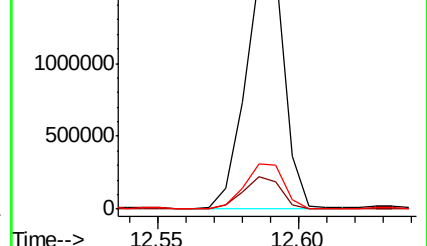
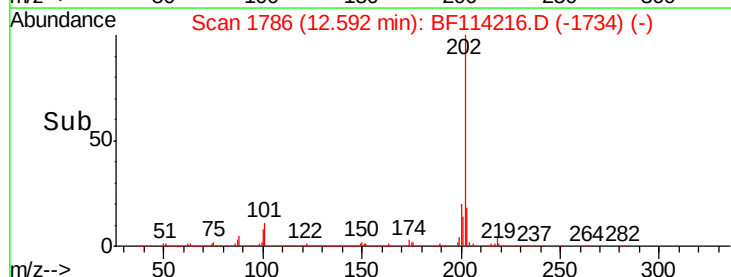
203 18.3 0.0 38.4

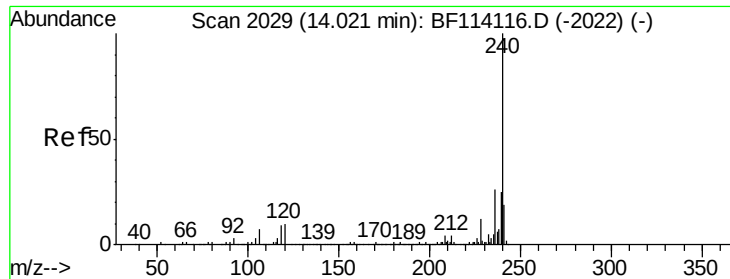


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

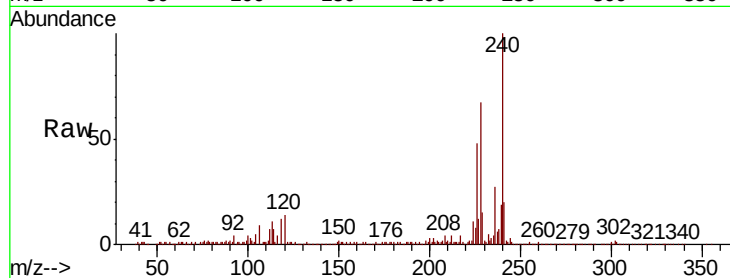




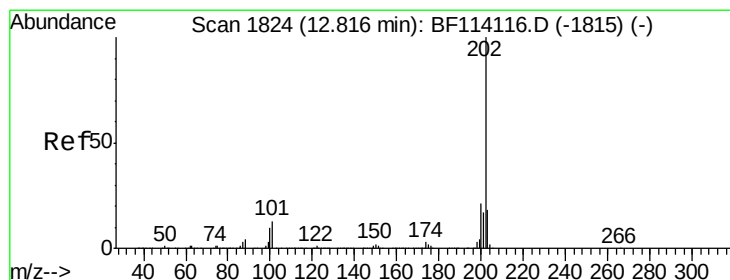
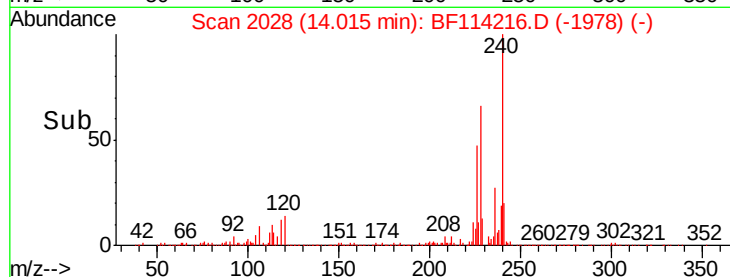
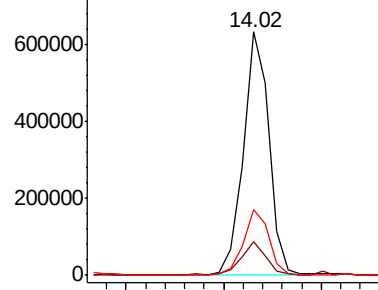
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF114216.D
Acq: 13 May 2019 2:32

Instrument :
BNA_F
ClientSampleId :
P026-SS005-0612-01DL

Tgt Ion:240 Resp: 569660
Ion Ratio Lower Upper
240 100
120 13.9 8.3 12.5#
236 26.9 20.8 31.2

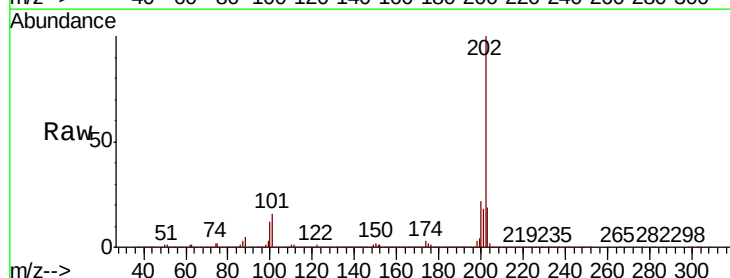


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

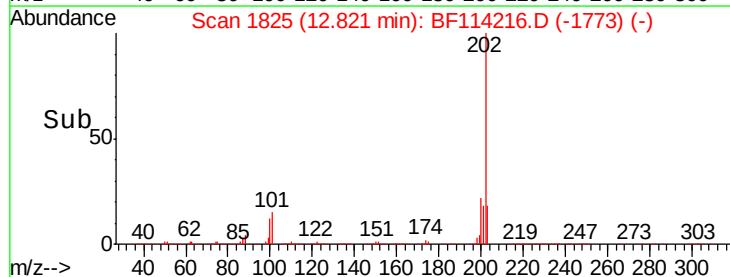
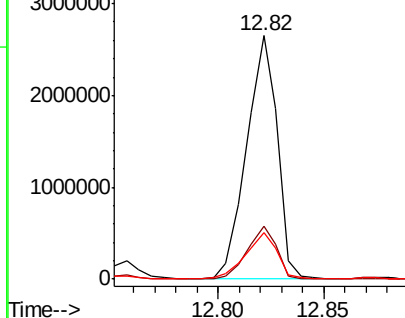


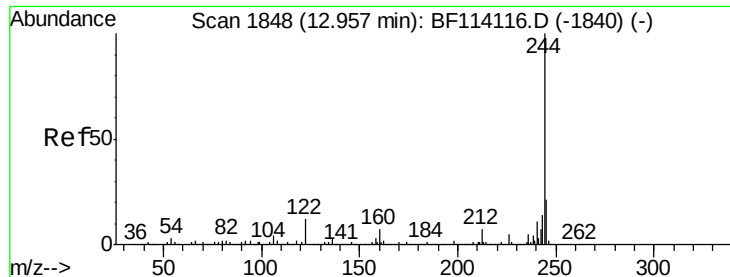
#78
Pyrene
Concen: 58.052 ng
RT: 12.82 min Scan# 1825
Delta R.T. 0.01 min
Lab File: BF114216.D
Acq: 13 May 2019 2:32

Tgt Ion:202 Resp: 2660312
Ion Ratio Lower Upper
202 100
200 21.6 16.9 25.3
203 18.9 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: 33.442 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF114216.D

Acq: 13 May 2019 2:32

Instrument :

BNA_F

ClientSampleId :

P026-SS005-0612-01DL

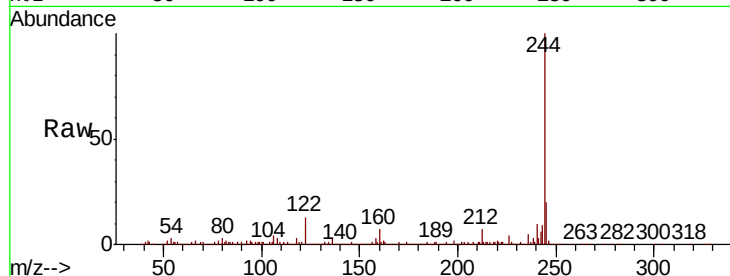
Tgt Ion:244 Resp: 924154

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.6

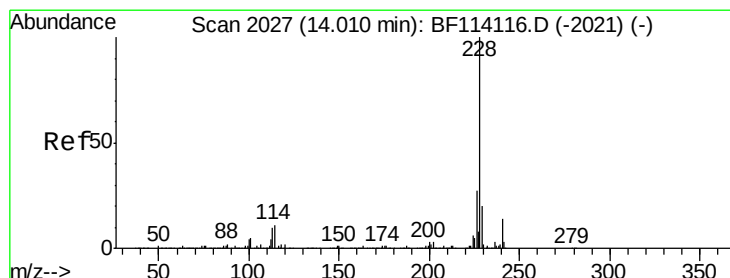
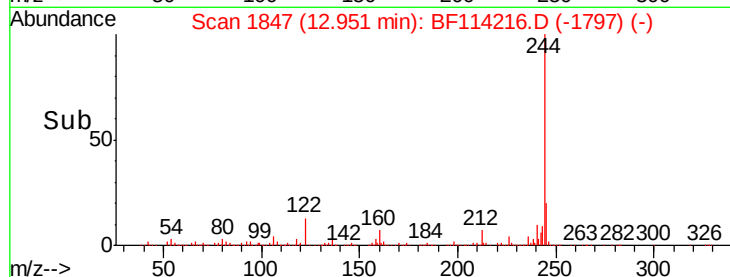
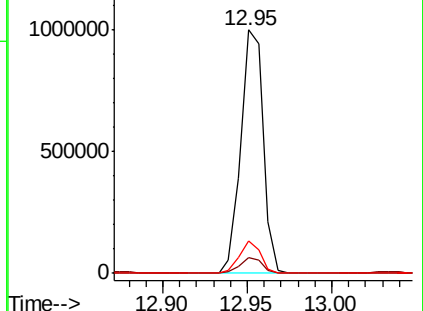
122 13.4 9.4 14.2



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: 40.996 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.04 min

Lab File: BF114216.D

Acq: 13 May 2019 2:32

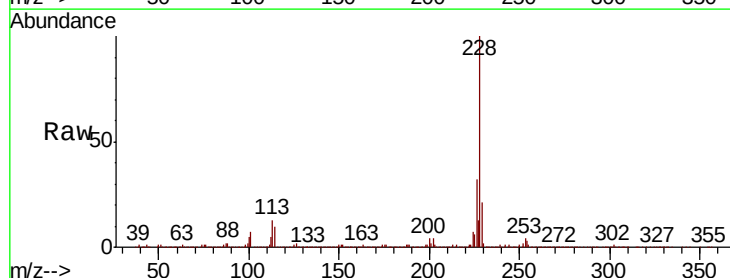
Tgt Ion:228 Resp: 1510496

Ion Ratio Lower Upper

228 100

226 31.7 22.2 33.2

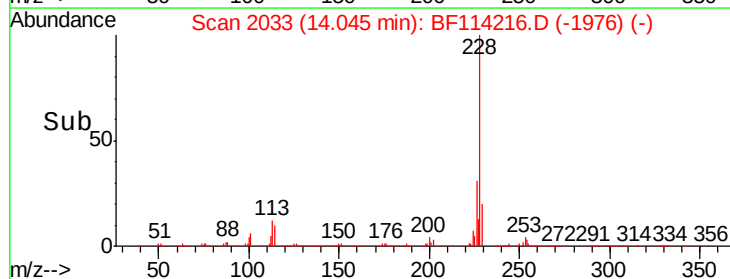
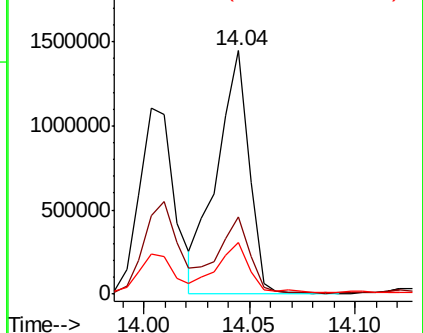
229 21.0 16.4 24.6

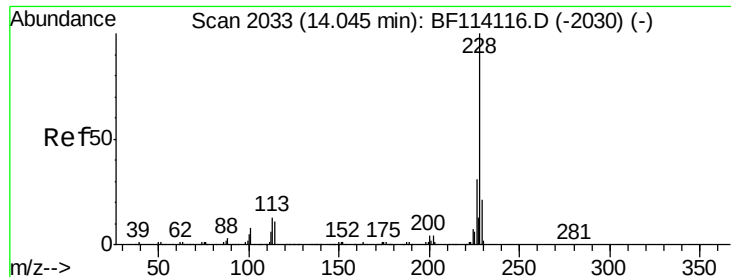


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 41.820 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.00 min

Lab File: BF114216.D

Acq: 13 May 2019 2:32

Instrument :

BNA_F

ClientSampleId :

P026-SS005-0612-01DL

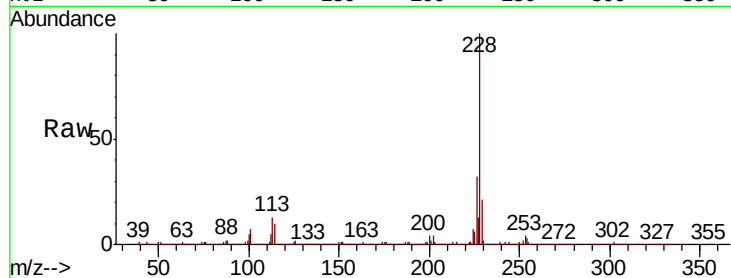
Tgt Ion:228 Resp: 1510496

Ion Ratio Lower Upper

228 100

226 31.7 25.0 37.6

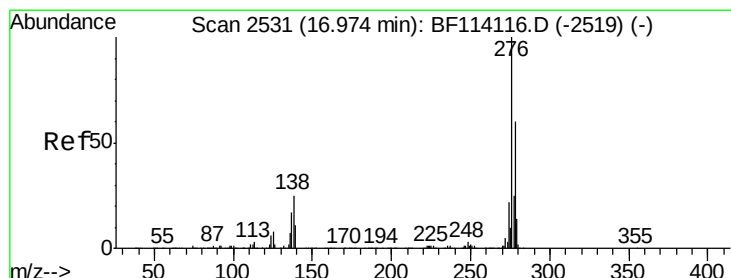
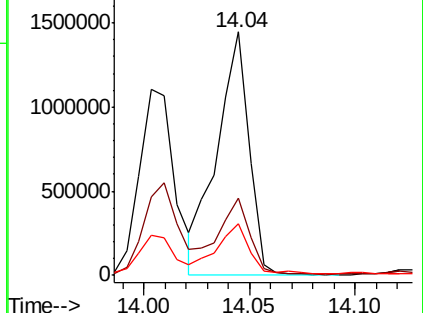
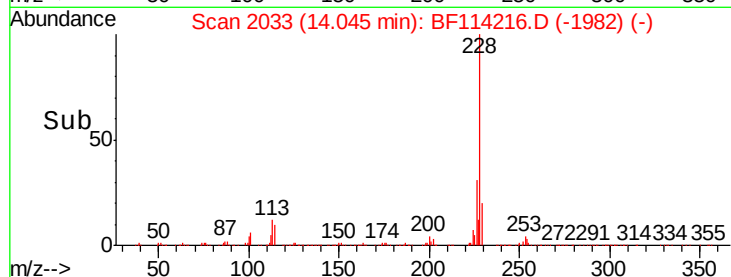
229 21.0 17.0 25.6



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 20.917 ng

RT: 16.96 min Scan# 2529

Delta R.T. -0.01 min

Lab File: BF114216.D

Acq: 13 May 2019 2:32

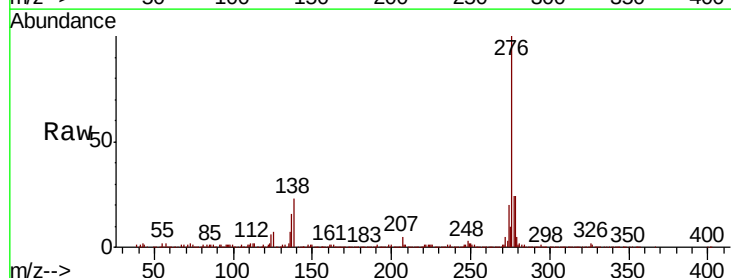
Tgt Ion:276 Resp: 667693

Ion Ratio Lower Upper

276 100

138 23.1 20.2 30.2

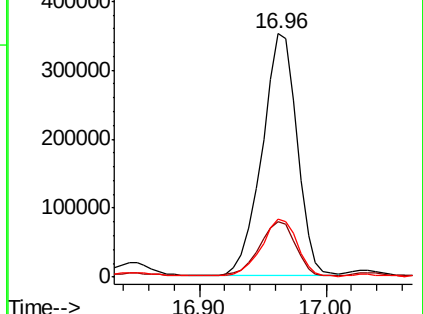
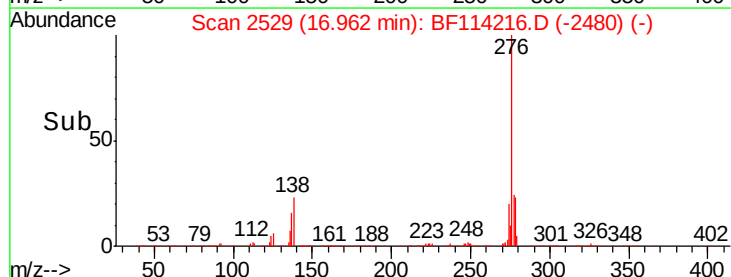
277 24.4 20.0 30.0

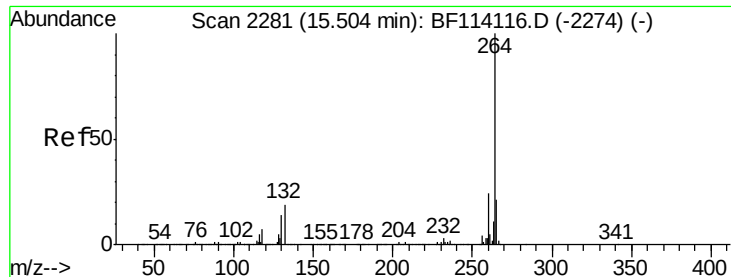


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

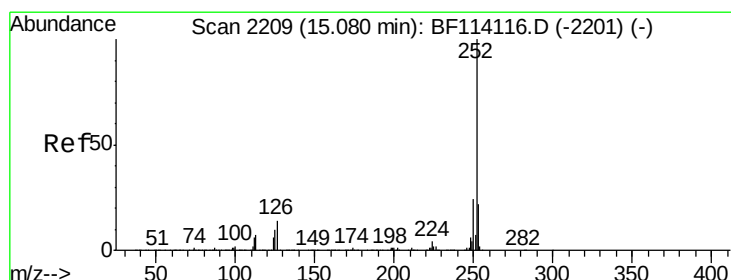
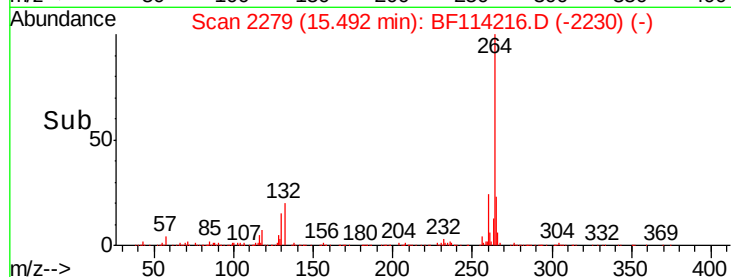
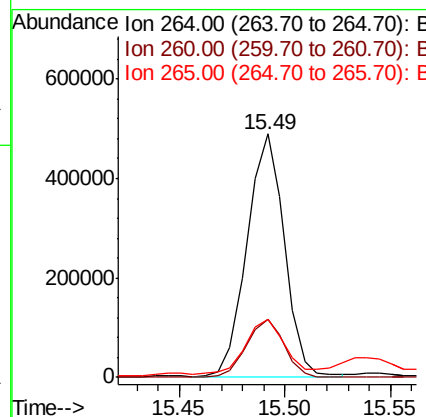
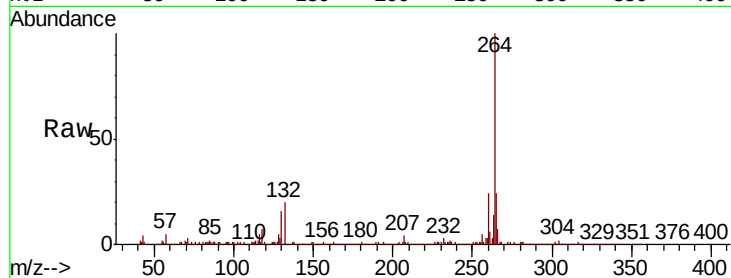




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF114216.D
Acq: 13 May 2019 2:32

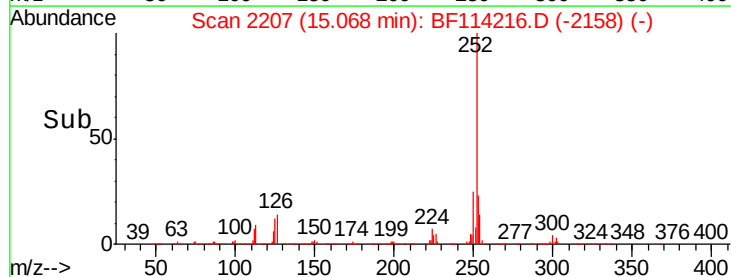
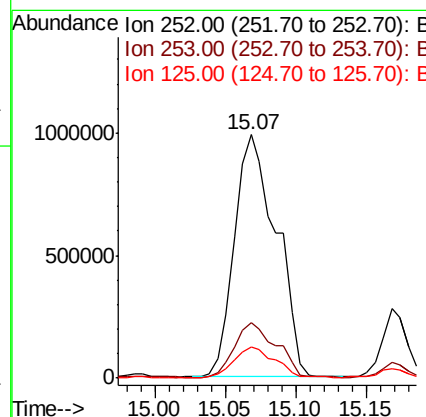
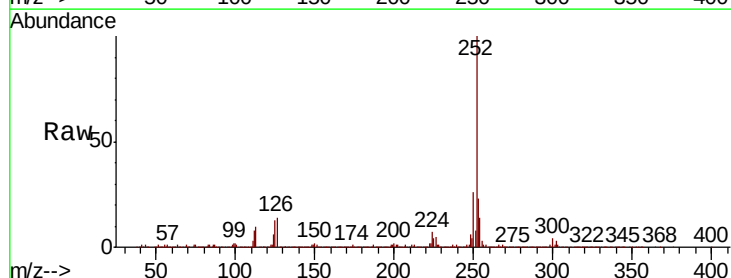
Instrument :
BNA_F
ClientSampleId :
P026-SS005-0612-01DL

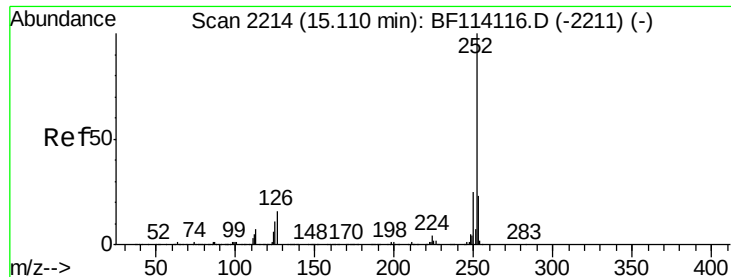
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.0
265	23.6	16.9	25.3



#88
Benzo(b)fluoranthene
Concen: 53.703 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF114216.D
Acq: 13 May 2019 2:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	12.6	8.3	12.5#

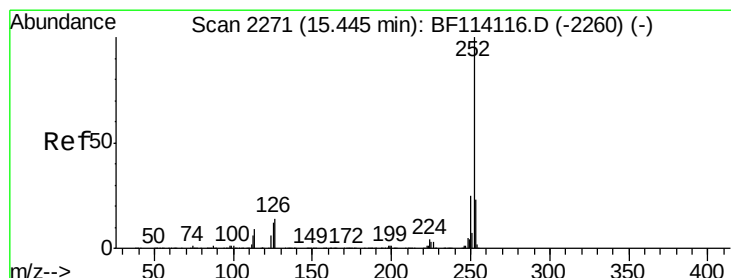
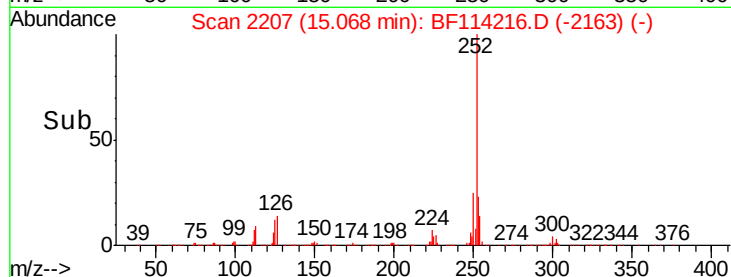
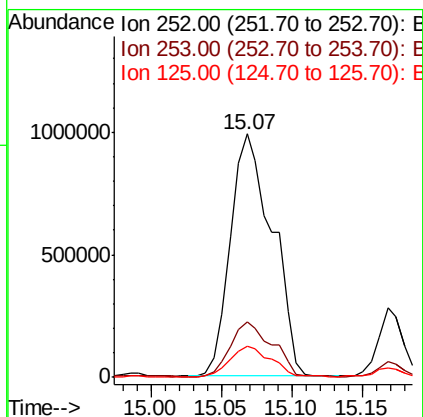
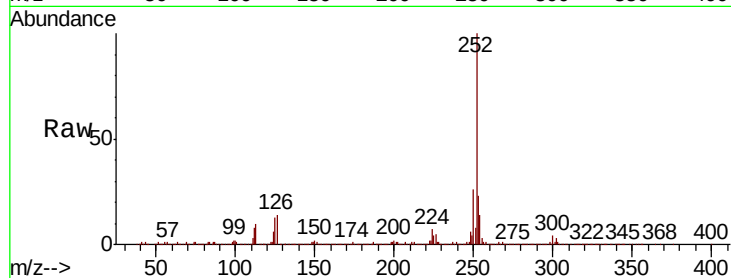




#89
Benzo(k)fluoranthene
Concen: 58.462 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.04 min
Lab File: BF114216.D
Acq: 13 May 2019 2:32

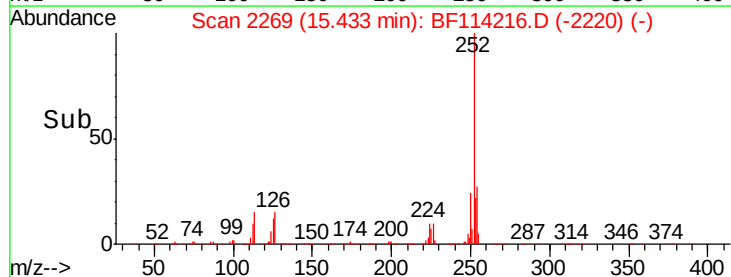
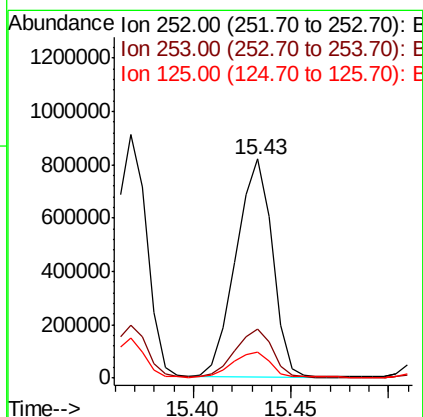
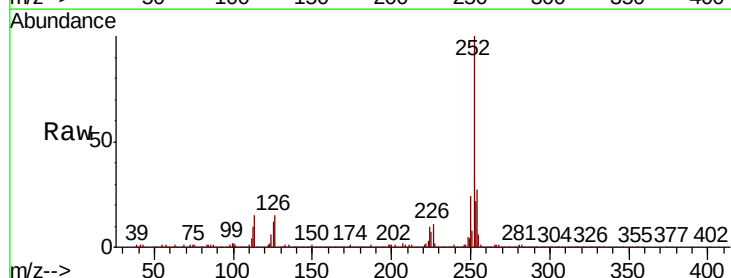
Instrument :
BNA_F
ClientSampleId :
P026-SS005-0612-01DL

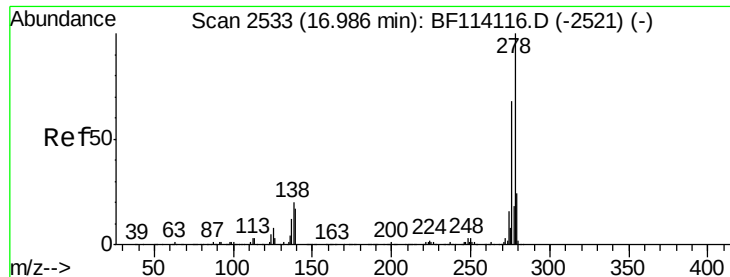
Tgt Ion:252 Resp: 2055418
Ion Ratio Lower Upper
252 100
253 22.9 18.2 27.2
125 12.6 8.6 13.0



#90
Benzo(a)pyrene
Concen: 31.504 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF114216.D
Acq: 13 May 2019 2:32

Tgt Ion:252 Resp: 1061163
Ion Ratio Lower Upper
252 100
253 22.4 18.1 27.1
125 12.1 9.5 14.3





#91

Dibenzo(a,h)anthracene

Concen: 3.945 ng

RT: 16.77 min Scan# 2496

Delta R.T. -0.22 min

Lab File: BF114216.D

Acq: 13 May 2019 2:32

Instrument :

BNA_F

ClientSampleId :

P026-SS005-0612-01DL

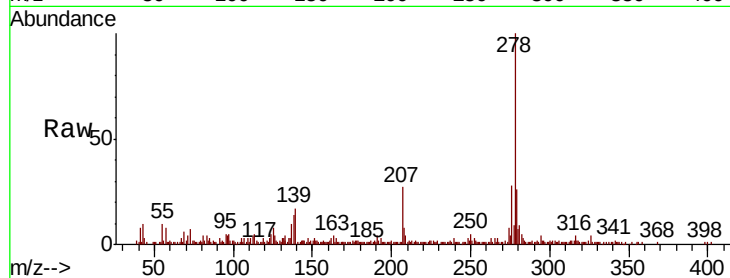
Tgt Ion: 278 Resp: 110410

Ion Ratio Lower Upper

278 100

139 17.0 13.5 20.3

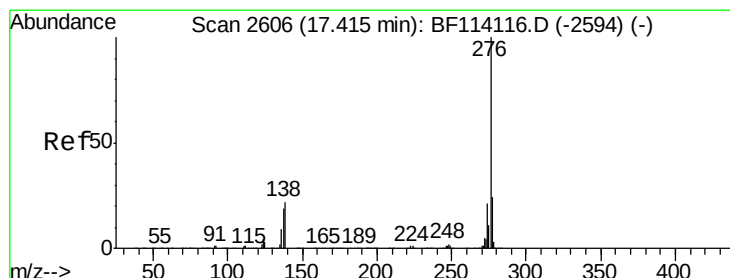
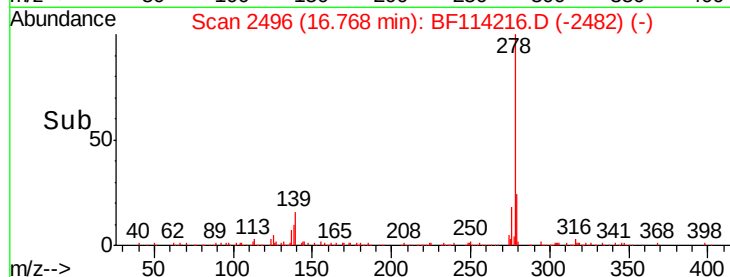
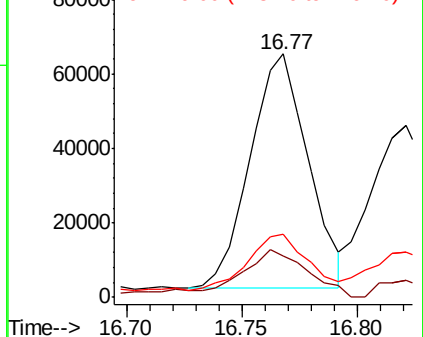
279 25.7 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 26.482 ng

RT: 17.42 min Scan# 2606

Delta R.T. -0.00 min

Lab File: BF114216.D

Acq: 13 May 2019 2:32

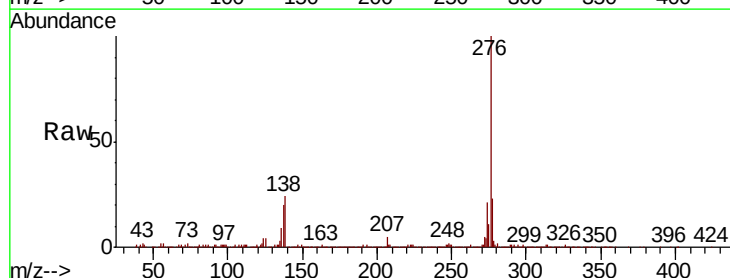
Tgt Ion: 276 Resp: 742819

Ion Ratio Lower Upper

276 100

277 23.3 19.0 28.4

138 23.8 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

