

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051319\
 Data File : BF114238.D
 Acq On : 13 May 2019 19:18
 Operator : JU/SJ
 Sample : K2766-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS006-0206-01

Quant Time: May 14 04:49:08 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	6.86	152	250941	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	929365	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	425116	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	769864	20.00	ng	0.00
76) Chrysene-d12	14.03	240	465037	20.00	ng	0.00
87) Perylene-d12	15.52	264	524153	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1762228	113.01	ng	0.02
7) Phenol-d6	6.51	99	2336302	126.68	ng	0.02
23) Nitrobenzene-d5	7.42	82	1466153	88.53	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	526415	119.78	ng	0.01
45) 2-Fluorobiphenyl	9.21	172	2267891	80.70	ng	0.00
79) Terphenyl-d14	12.96	244	1803961	79.97	ng	0.00

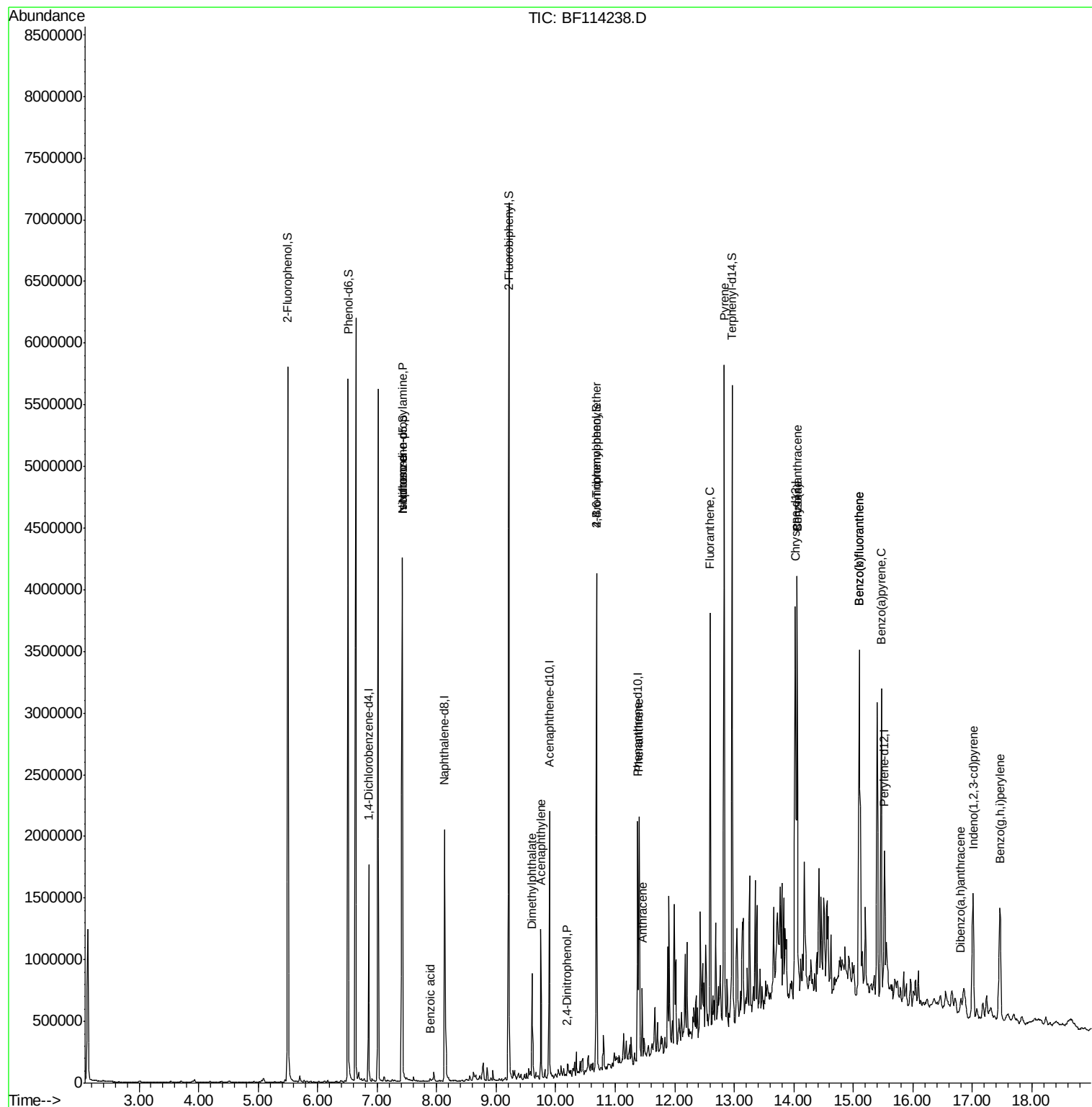
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	197637	16.906	ng	# 73
25) Isophorone	7.42	82	1463250	47.643	ng	# 64
32) Benzoic acid	7.89	122	887	7.103	ng	# 43
49) Acenaphthylene	9.75	152	492541	11.717	ng	96
50) Dimethylphthalate	9.60	163	330408	10.587	ng	99
54) 2,4-Dinitrophenol	10.19	184	288	6.821	ng	# 37
67) 4-Bromophenyl-phenylether	10.69	248	34561	4.077	ng	# 1
71) Phenanthrene	11.40	178	773167	20.643	ng	98
72) Anthracene	11.45	178	218888	5.818	ng	97
75) Fluoranthene	12.60	202	1368629	33.932	ng	100
78) Pyrene	12.83	202	2248612	60.107	ng	99
81) Benzo(a)anthracene	14.06	228	1352686	44.972	ng	97
83) Chrysene	14.06	228	1352686	45.877	ng	99
86) Indeno(1,2,3-cd)pyrene	17.01	276	715750	27.467	ng	96
88) Benzo(b)fluoranthene	15.10	252	2150557	64.042	ng	# 98
89) Benzo(k)fluoranthene	15.10	252	2150557	69.717	ng	98
90) Benzo(a)pyrene	15.47	252	1083451	36.661	ng	98
91) Dibenzo(a,h)anthracene	16.81	278	120601	4.911	ng	99
92) Benzo(g,h,i)perylene	17.46	276	791523	32.162	ng	100

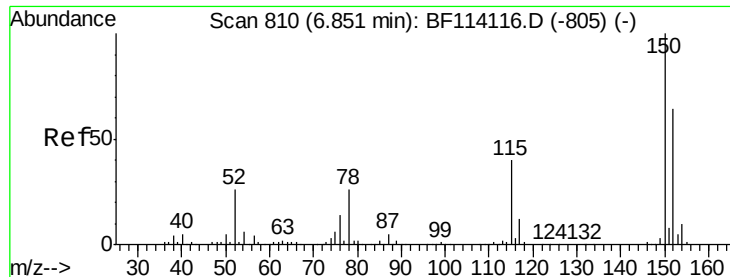
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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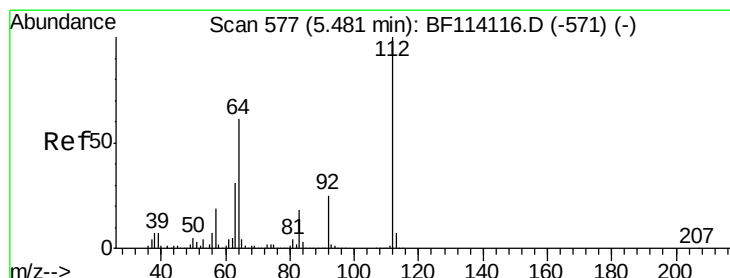
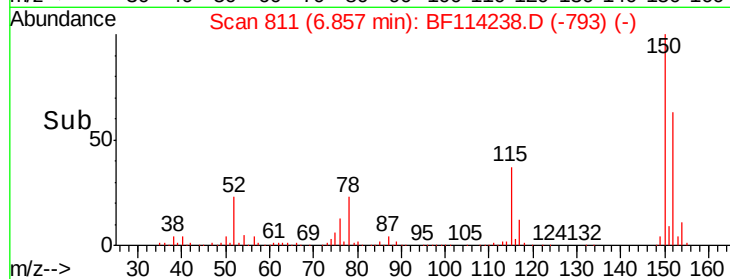
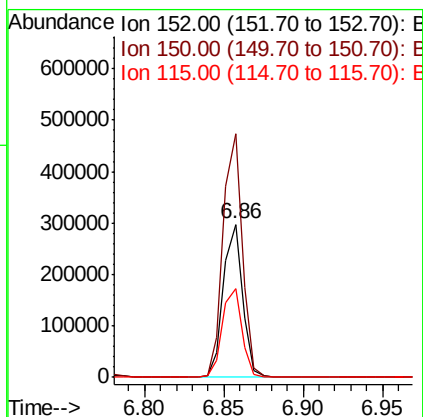
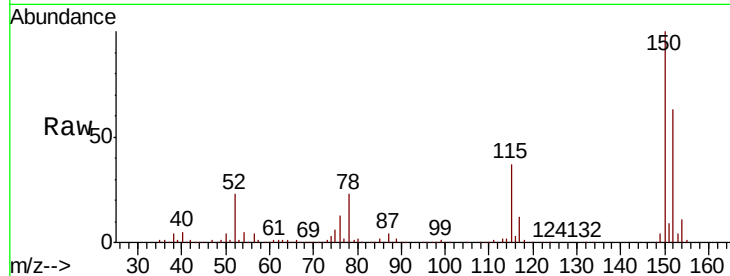




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. 0.01 min
 Lab File: BF114238.D
 Acq: 13 May 2019 19:18

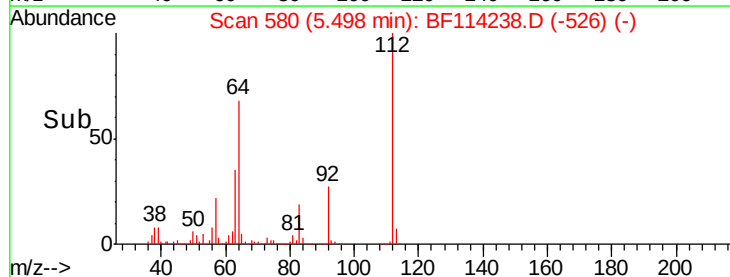
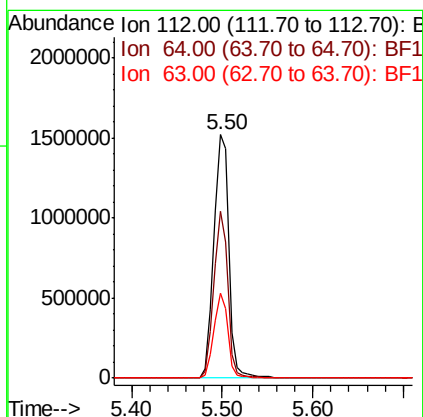
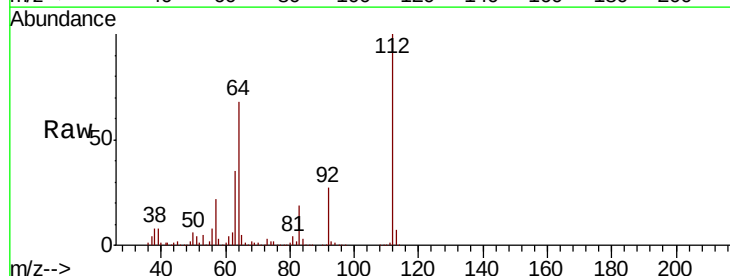
Instrument :
 BNA_F
 ClientSampleId :
 P026-SS006-0206-01

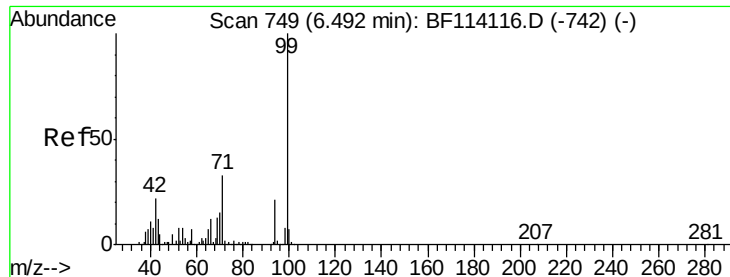
Tgt Ion:152 Resp: 250941
 Ion Ratio Lower Upper
 152 100
 150 158.9 124.3 186.5
 115 58.0 49.1 73.7



#5
 2-Fluorophenol
 Concen: 113.010 ng
 RT: 5.50 min Scan# 580
 Delta R.T. 0.02 min
 Lab File: BF114238.D
 Acq: 13 May 2019 19:18

Tgt Ion:112 Resp: 1762228
 Ion Ratio Lower Upper
 112 100
 64 68.4 49.0 73.6
 63 35.0 24.6 37.0





#7

Phenol-d6

Concen: 126.677 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.02 min

Lab File: BF114238.D

Acq: 13 May 2019 19:18

Instrument :

BNA_F

ClientSampleId :

P026-SS006-0206-01

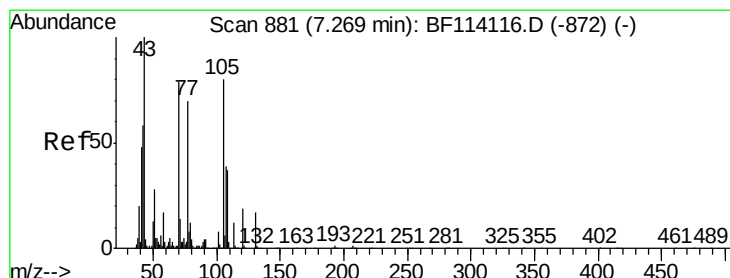
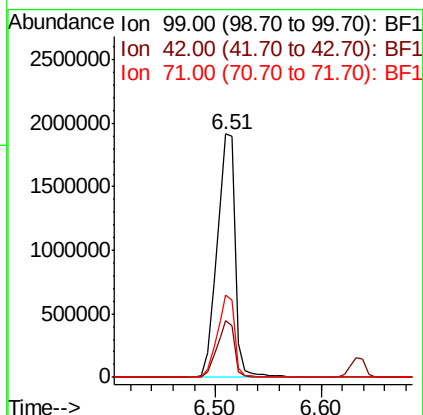
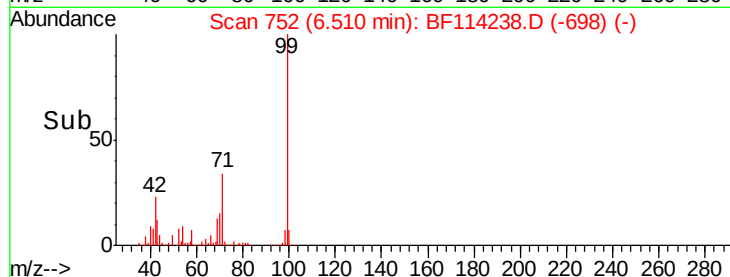
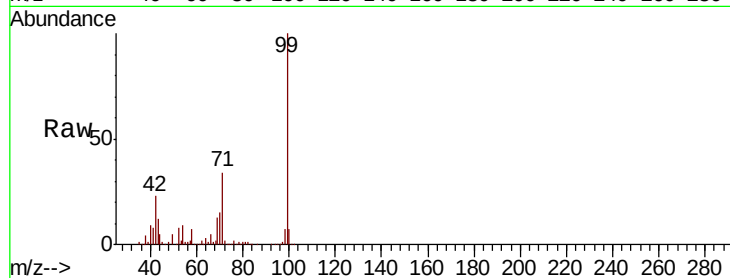
Tgt Ion: 99 Resp: 2336302

Ion Ratio Lower Upper

99 100

42 23.1 17.9 26.9

71 33.6 26.2 39.2



#19

n-Nitroso-di-n-propylamine

Concen: 16.906 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF114238.D

Acq: 13 May 2019 19:18

Tgt Ion: 70 Resp: 197637

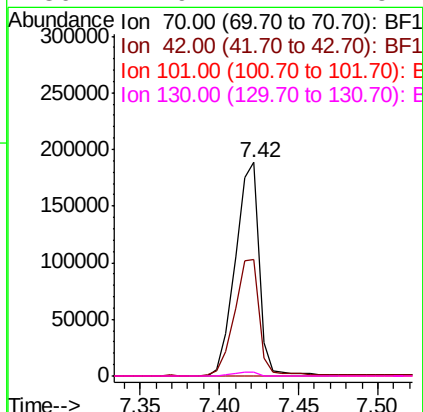
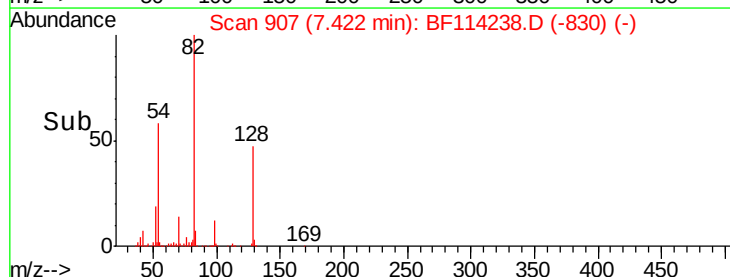
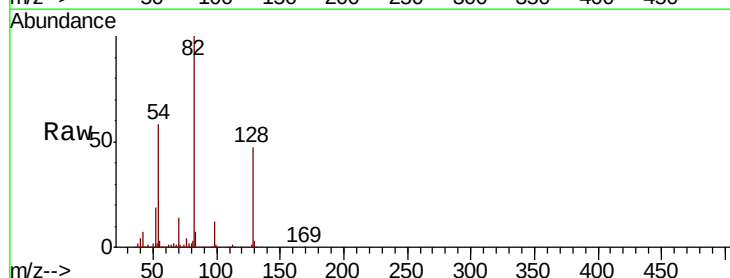
Ion Ratio Lower Upper

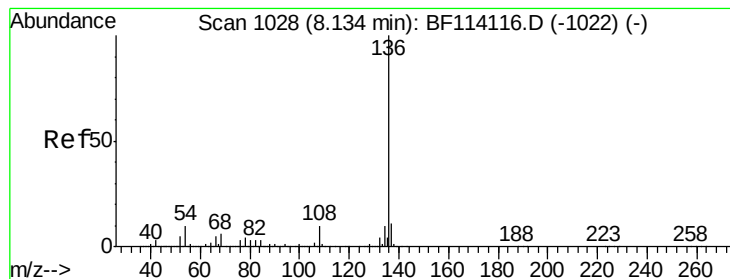
70 100

42 54.5 58.6 87.8#

101 0.0 7.8 11.8#

130 1.9 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: BF114238.D

Acq: 13 May 2019 19:18

Instrument :

BNA_F

ClientSampleId :

P026-SS006-0206-01

Tgt Ion: 136 Resp: 929365

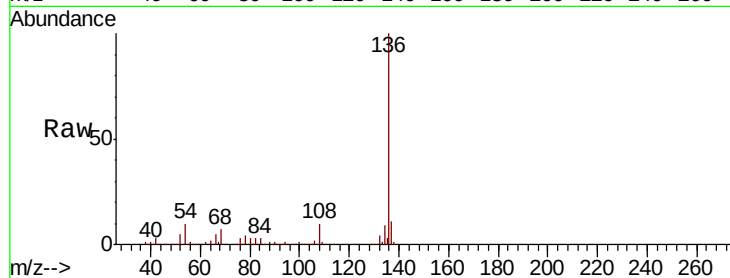
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 10.0 7.8 11.8

68 6.9 5.1 7.7

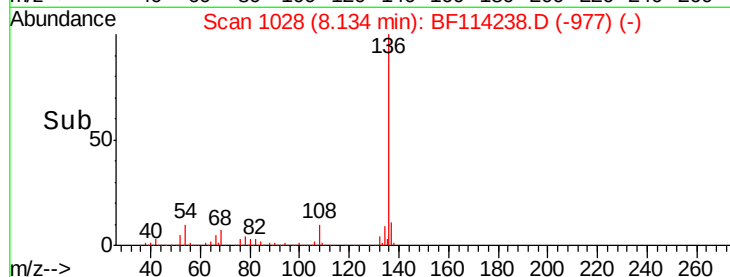


Abundance Ion 136.00 (135.70 to 136.70): E

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



Abundance

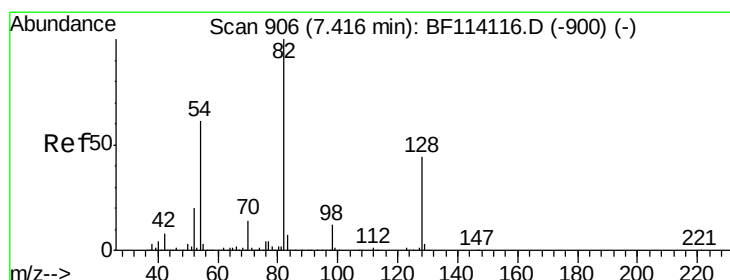
8.13

1000000

500000

0

Time-->



#23

Nitrobenzene-d5

Concen: 88.534 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.01 min

Lab File: BF114238.D

Acq: 13 May 2019 19:18

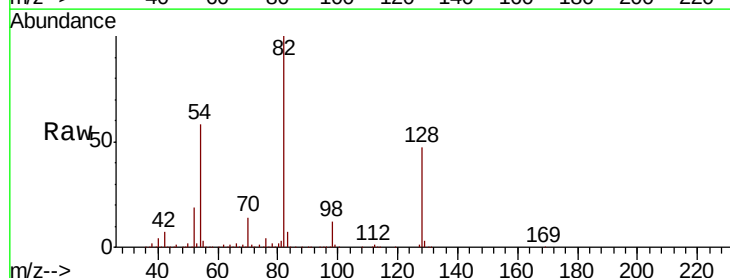
Tgt Ion: 82 Resp: 1466153

Ion Ratio Lower Upper

82 100

128 47.0 35.5 53.3

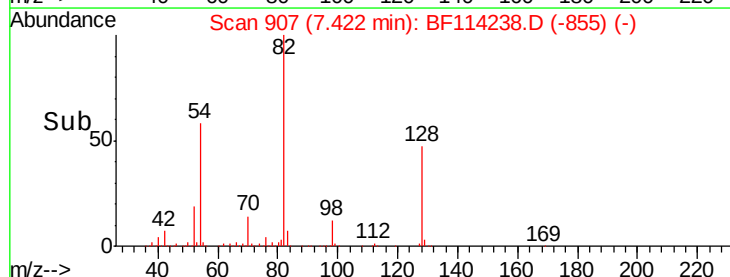
54 57.8 48.5 72.7



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



Abundance

7.42

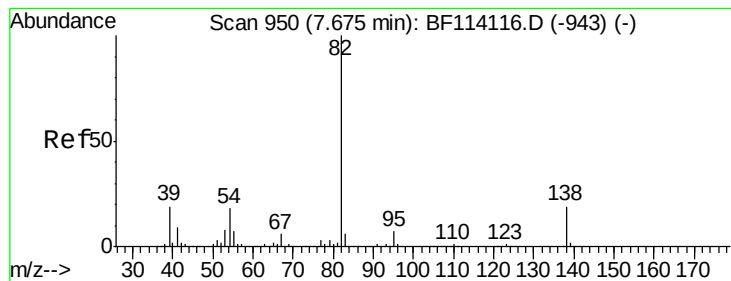
1500000

1000000

500000

0

Time-->



#25

Isophorone

Concen: 47.643 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.25 min

Lab File: BF114238.D

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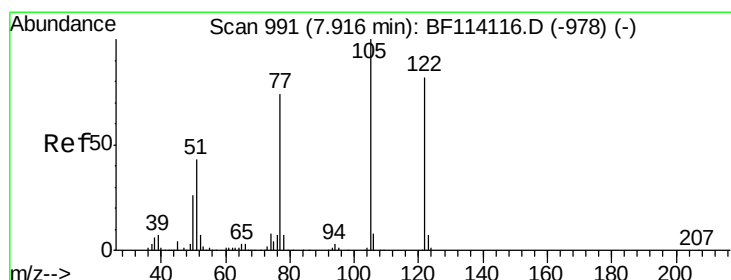
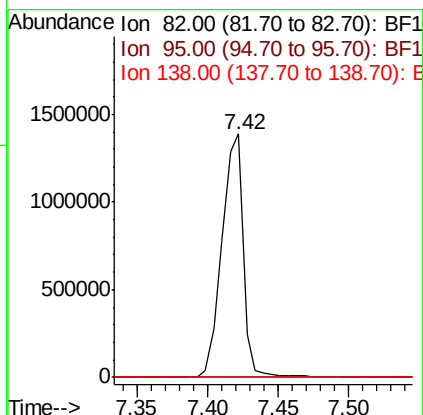
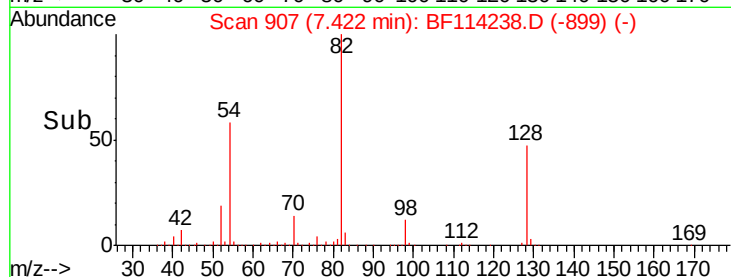
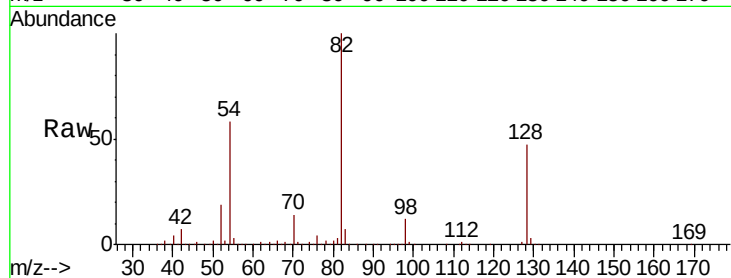
Tgt Ion: 82 Resp: 1463250

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.8 22.2#



#32

Benzoic acid

Concen: 7.103 ng

RT: 7.89 min Scan# 987

Delta R.T. -0.02 min

Lab File: BF114238.D

Acq: 13 May 2019 19:18

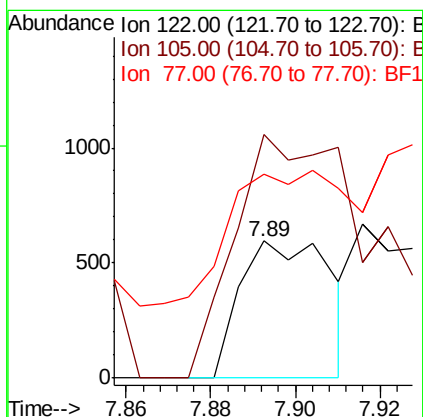
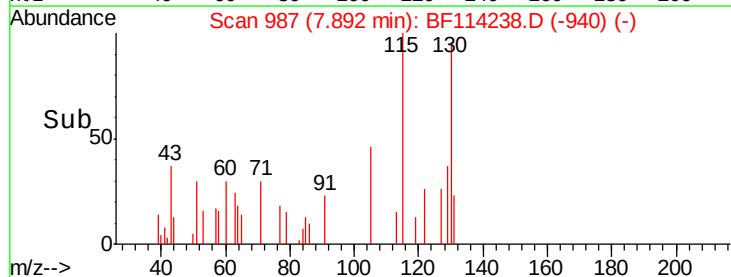
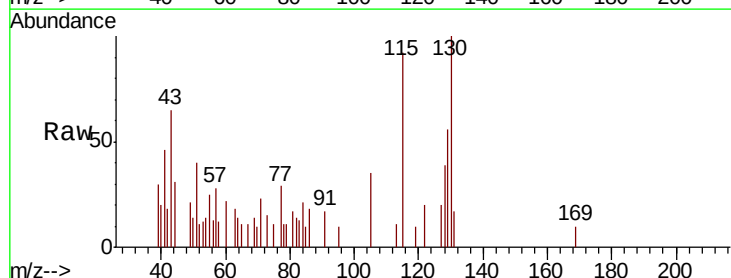
Tgt Ion: 122 Resp: 887

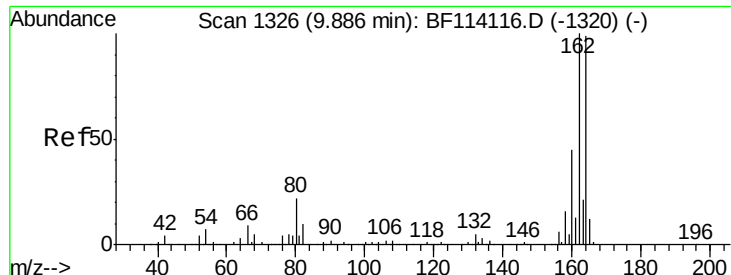
Ion Ratio Lower Upper

122 100

105 178.1 99.9 139.9#

77 148.8 69.4 109.4#

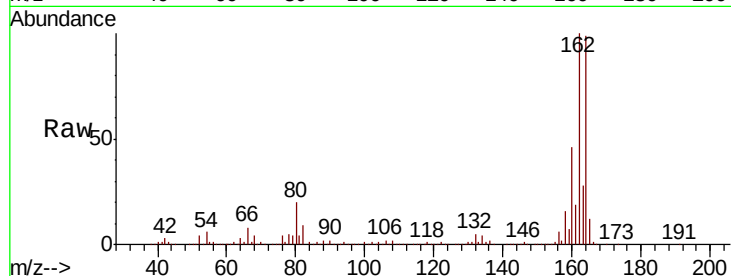




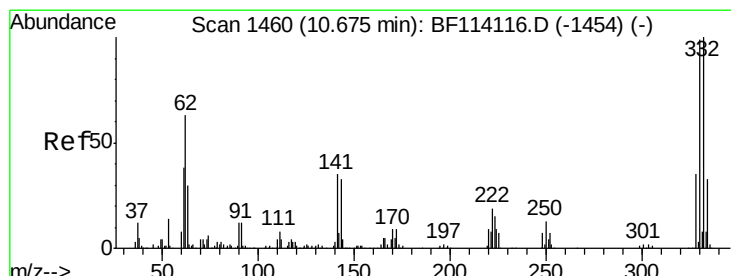
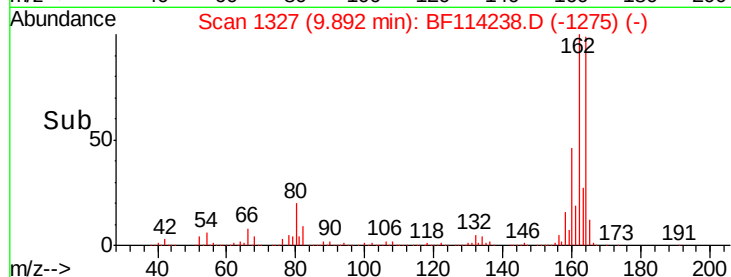
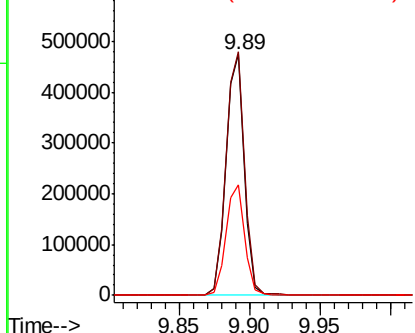
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.01 min
Lab File: BF114238.D
Acq: 13 May 2019 19:18

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0206-01

Tgt Ion:164 Resp: 425116
Ion Ratio Lower Upper
164 100
162 101.1 80.6 120.8
160 46.1 36.5 54.7

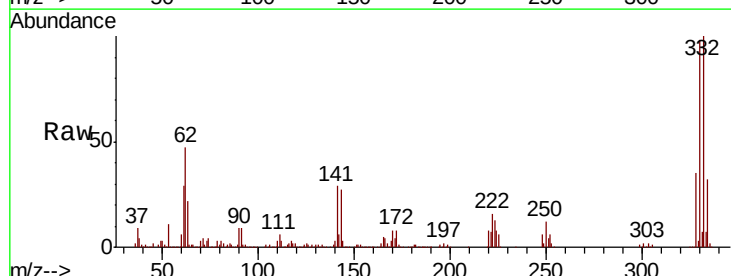


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

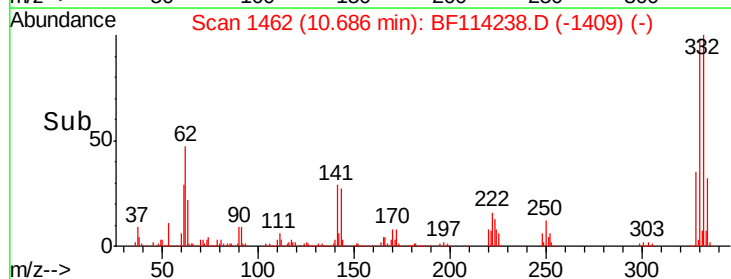
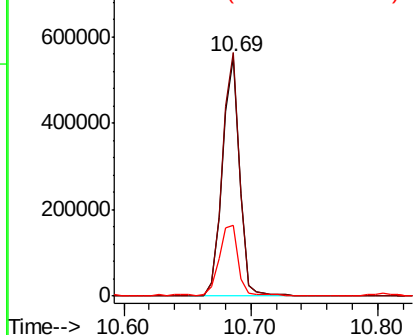


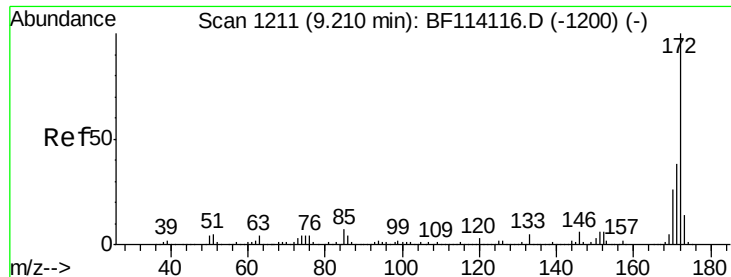
#42
2,4,6-Tribromophenol
Concen: 119.776 ng
RT: 10.69 min Scan# 1462
Delta R.T. 0.01 min
Lab File: BF114238.D
Acq: 13 May 2019 19:18

Tgt Ion:330 Resp: 526415
Ion Ratio Lower Upper
330 100
332 102.2 81.4 122.2
141 32.5 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

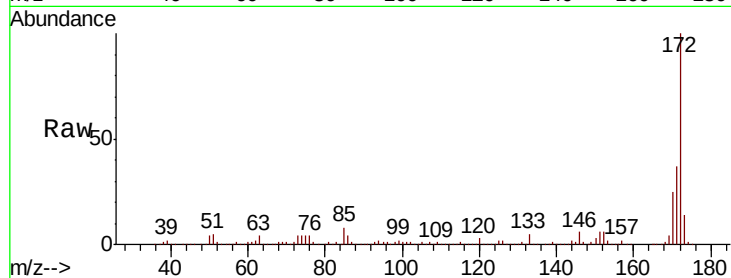




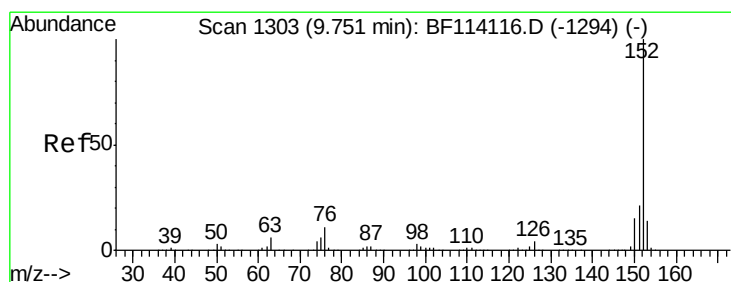
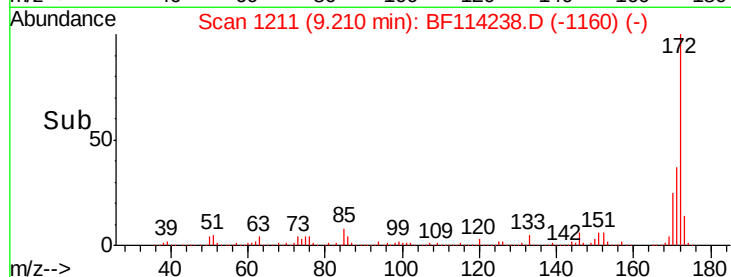
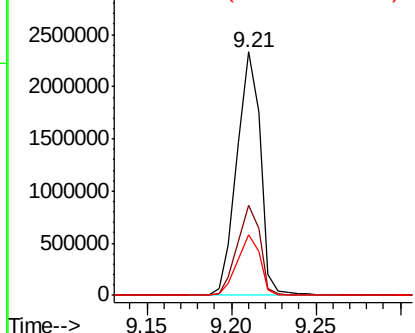
#45
2-Fluorobiphenyl
Concen: 80.697 ng
RT: 9.21 min Scan# 1211
Delta R.T. 0.00 min
Lab File: BF114238.D
Acq: 13 May 2019 19:18

Instrument :
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P026-SS006-0206-01

Tgt Ion:172 Resp: 2267891
Ion Ratio Lower Upper
172 100
171 37.0 30.7 46.1
170 24.9 20.5 30.7

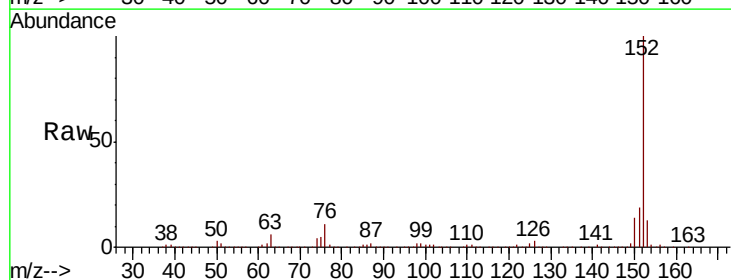


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

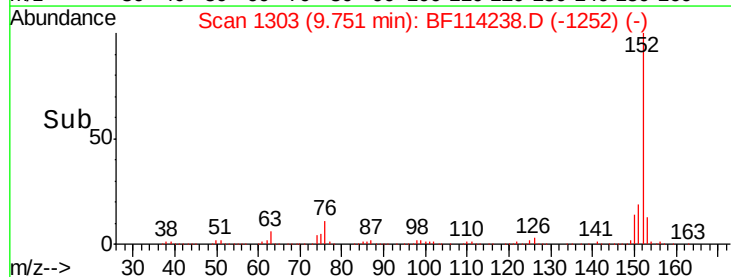
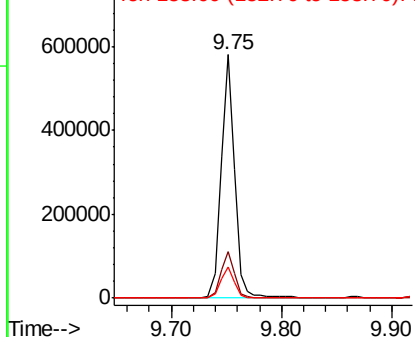


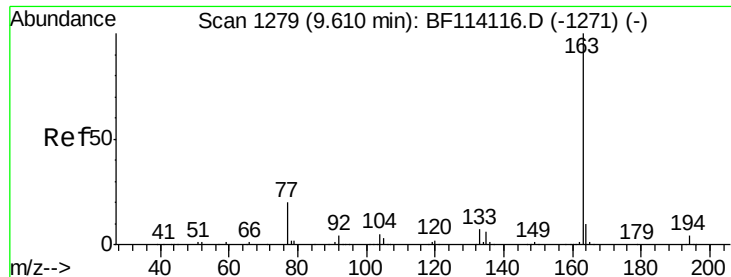
#49
Acenaphthylene
Concen: 11.717 ng
RT: 9.75 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BF114238.D
Acq: 13 May 2019 19:18

Tgt Ion:152 Resp: 492541
Ion Ratio Lower Upper
152 100
151 19.3 16.8 25.2
153 12.9 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

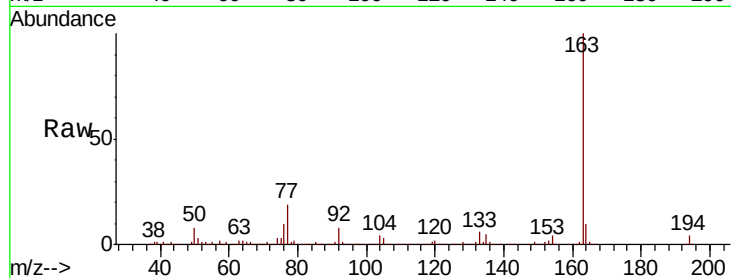




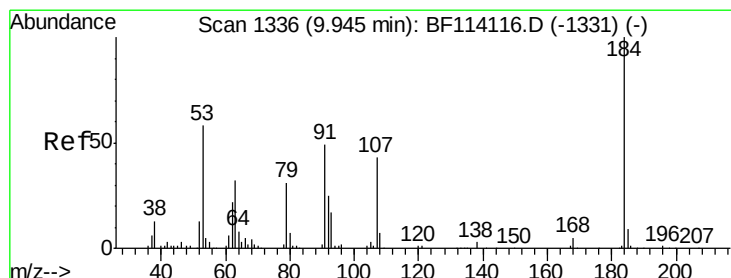
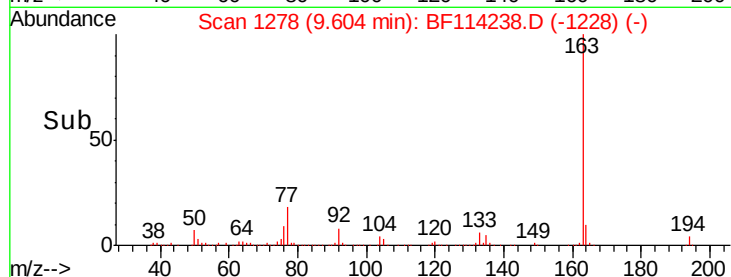
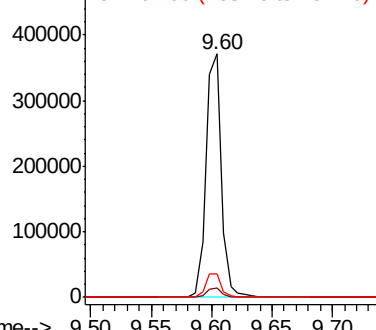
#50
Dimethylphthalate
Concen: 10.587 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF114238.D
Acq: 13 May 2019 19:18

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0206-01

Tgt Ion:163 Resp: 330408
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 9.6 8.2 12.2

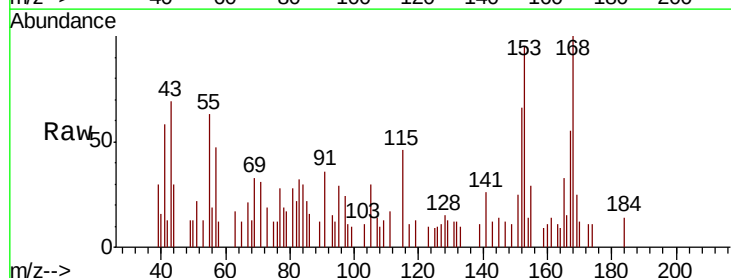


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

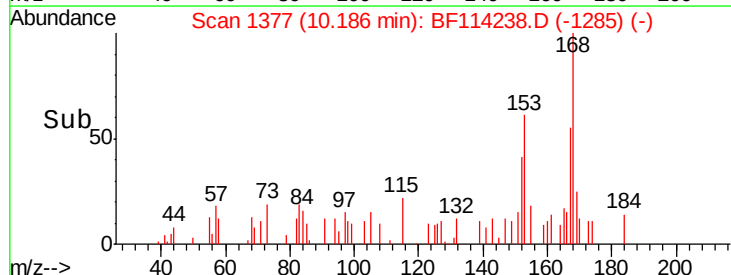
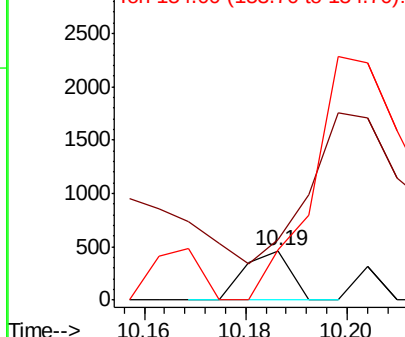


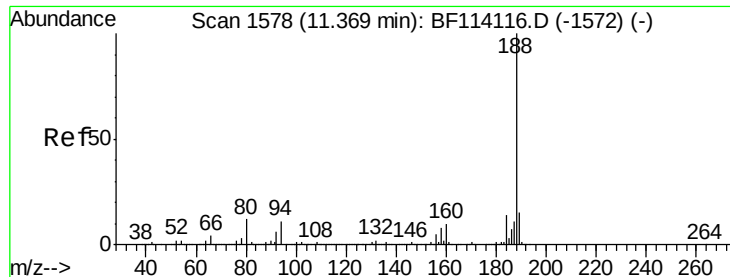
#54
2,4-Dinitrophenol
Concen: 6.821 ng
RT: 10.19 min Scan# 1377
Delta R.T. 0.24 min
Lab File: BF114238.D
Acq: 13 May 2019 19:18

Tgt Ion:184 Resp: 288
Ion Ratio Lower Upper
184 100
63 122.6 55.6 83.4#
154 102.6 46.0 69.0#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1579

Delta R.T. 0.01 min

Lab File: BF114238.D

Acq: 13 May 2019 19:18

Instrument :

BNA_F

ClientSampleId :

P026-SS006-0206-01

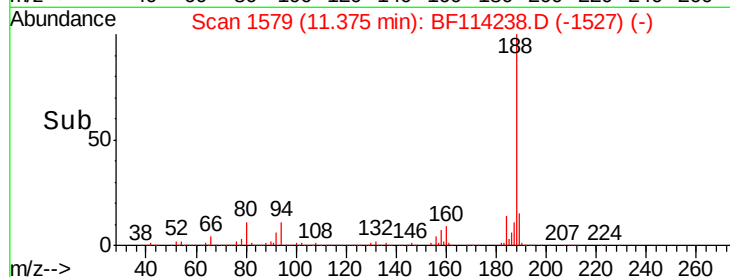
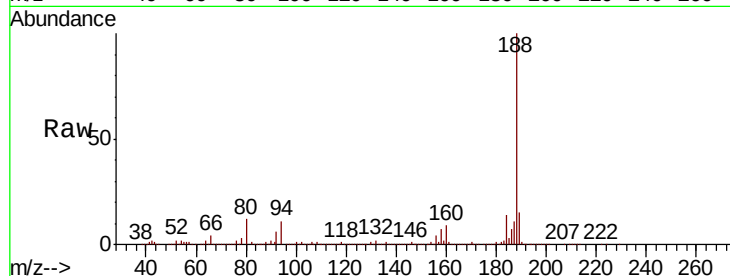
Tgt Ion:188 Resp: 769864

Ion Ratio Lower Upper

188 100

94 10.7 8.4 12.6

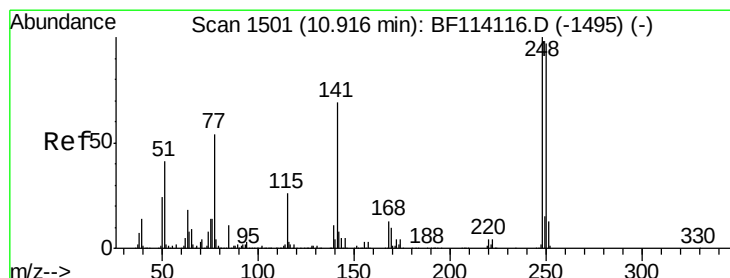
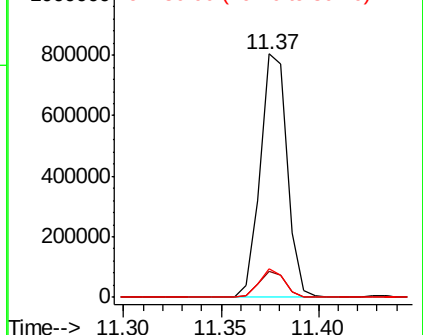
80 11.5 9.2 13.8



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: 4.077 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.23 min

Lab File: BF114238.D

Acq: 13 May 2019 19:18

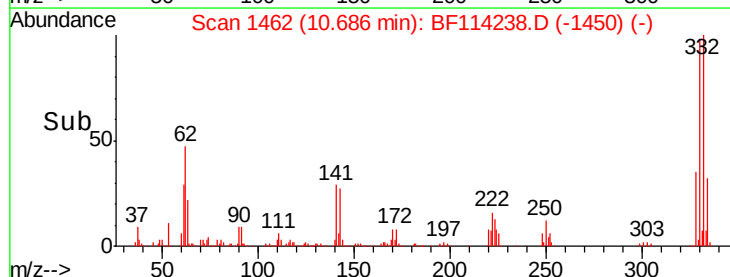
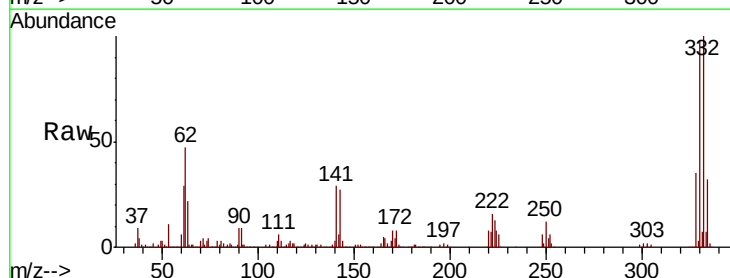
Tgt Ion:248 Resp: 34561

Ion Ratio Lower Upper

248 100

250 193.3 77.4 116.2#

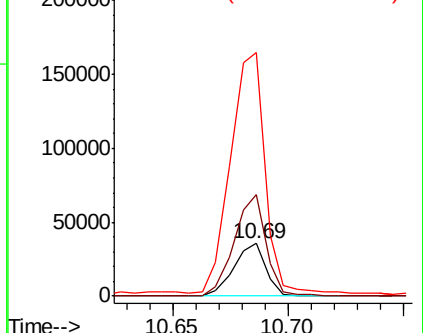
141 465.9 55.6 83.4#

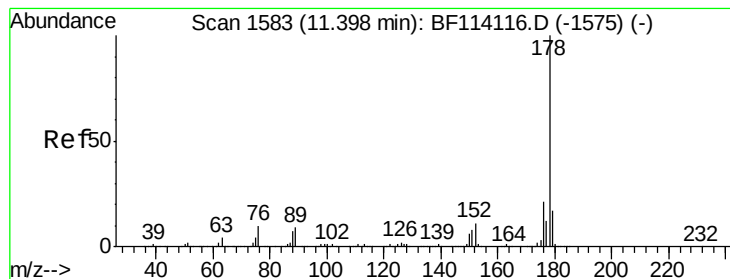


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 20.643 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.01 min

Lab File: BF114238.D

Acq: 13 May 2019 19:18

Instrument :

BNA_F

ClientSampleId :

P026-SS006-0206-01

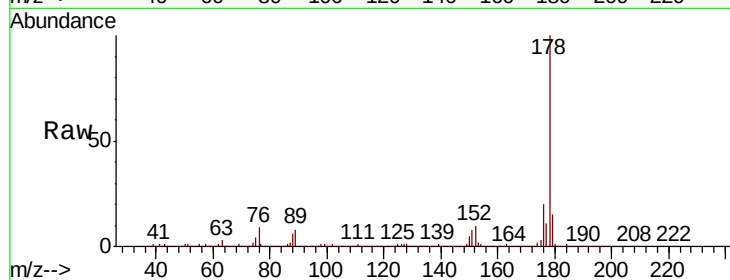
Tgt Ion:178 Resp: 773167

Ion Ratio Lower Upper

178 100

176 19.7 16.4 24.6

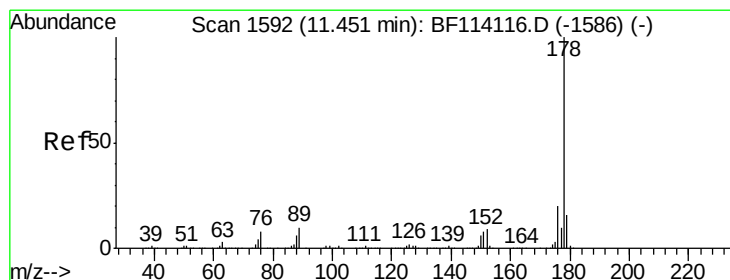
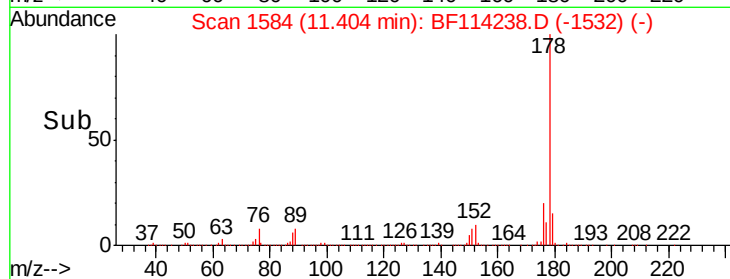
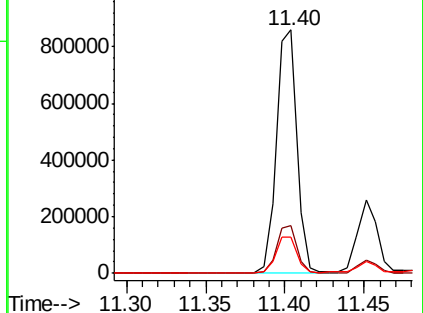
179 15.0 13.2 19.8



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: 5.818 ng

RT: 11.45 min Scan# 1592

Delta R.T. 0.00 min

Lab File: BF114238.D

Acq: 13 May 2019 19:18

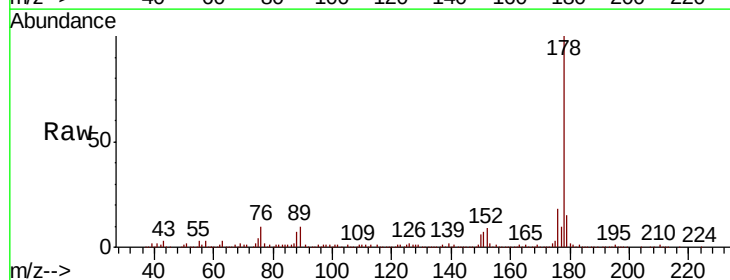
Tgt Ion:178 Resp: 218888

Ion Ratio Lower Upper

178 100

176 18.1 15.8 23.8

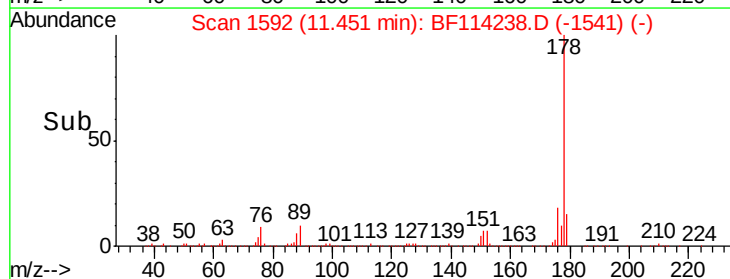
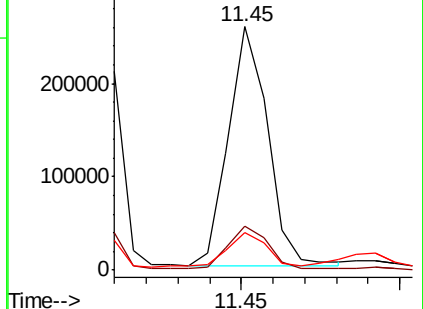
179 15.5 13.0 19.4

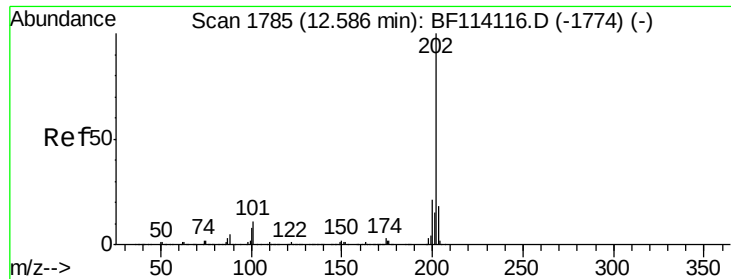


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 33.932 ng

RT: 12.60 min Scan# 1787

Delta R.T. 0.01 min

Lab File: BF114238.D

Acq: 13 May 2019 19:18

Instrument :

BNA_F

ClientSampleId :

P026-SS006-0206-01

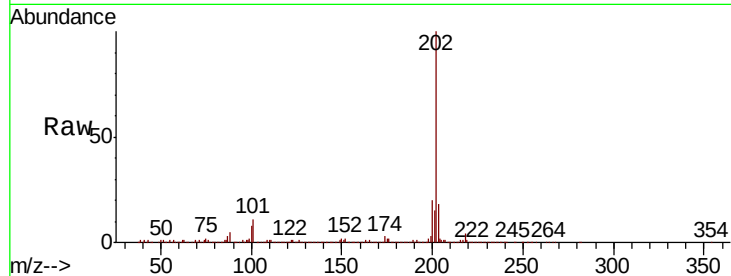
Tgt Ion:202 Resp: 1368629

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.0

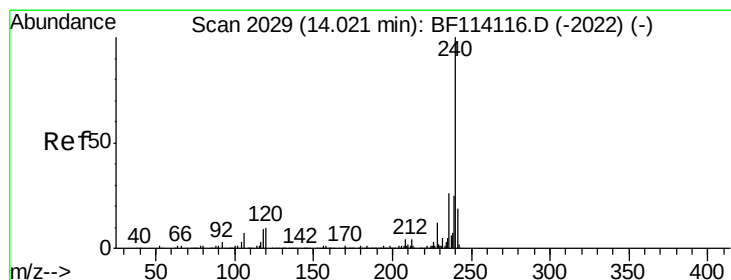
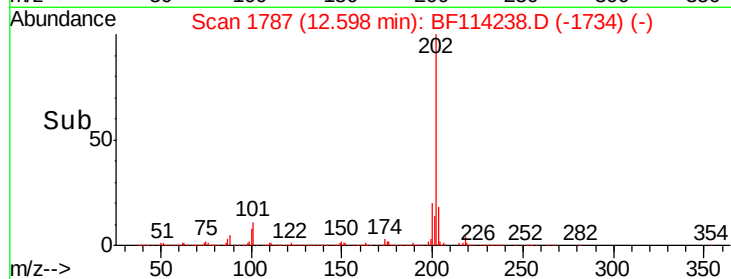
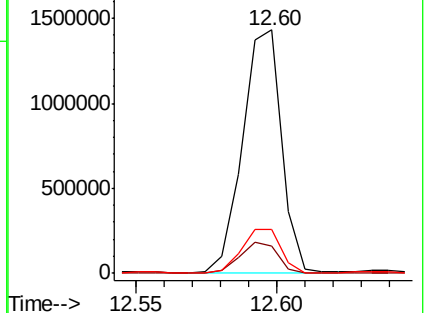
203 18.1 0.0 38.4



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: 14.03 min Scan# 2030

Delta R.T. 0.01 min

Lab File: BF114238.D

Acq: 13 May 2019 19:18

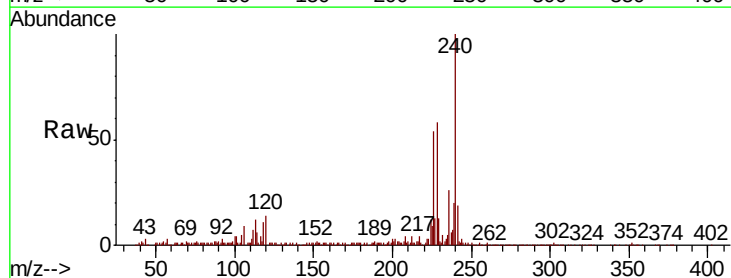
Tgt Ion:240 Resp: 465037

Ion Ratio Lower Upper

240 100

120 13.6 8.3 12.5#

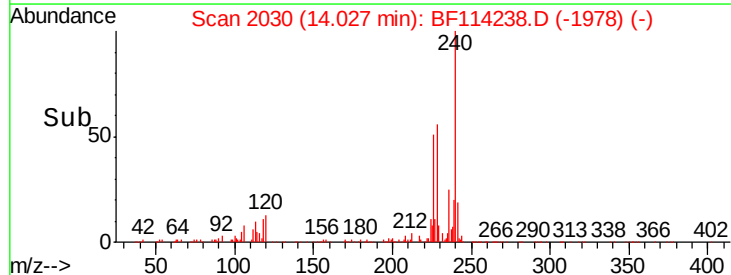
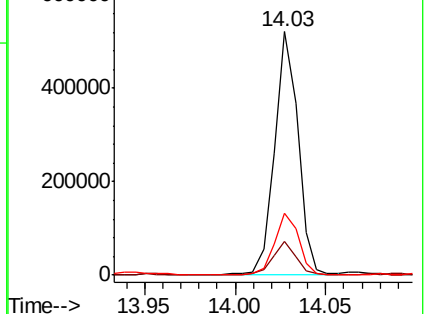
236 25.7 20.8 31.2

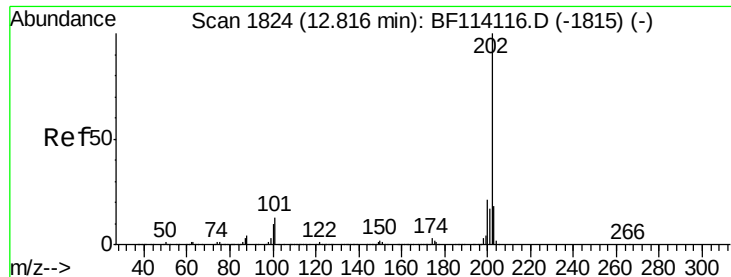


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

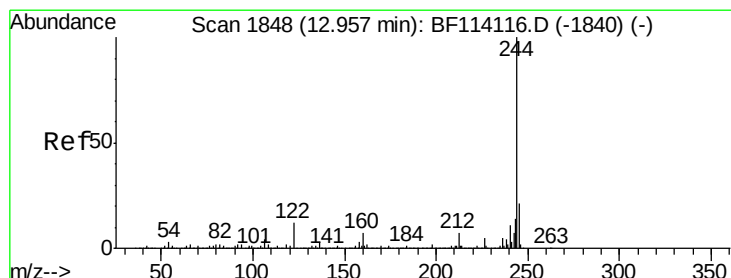
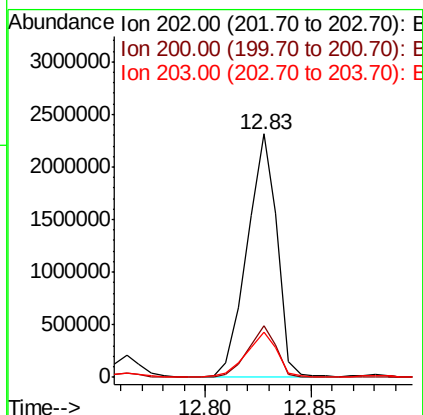
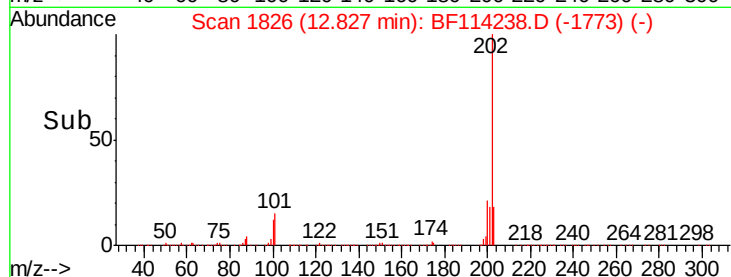
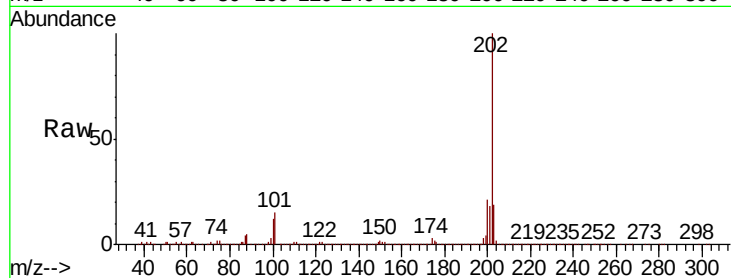




#78
Pyrene
Concen: 60.107 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.01 min
Lab File: BF114238.D
Acq: 13 May 2019 19:18

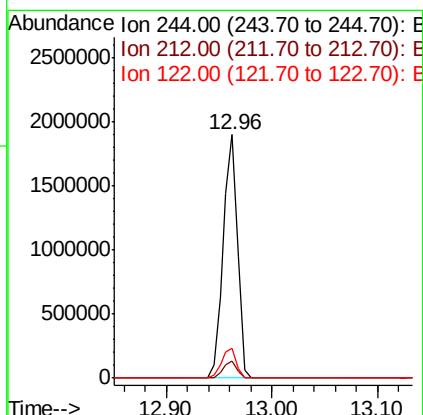
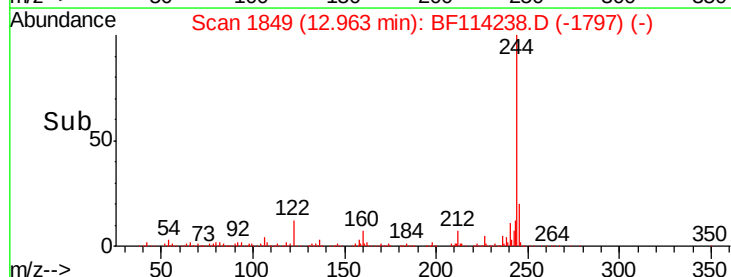
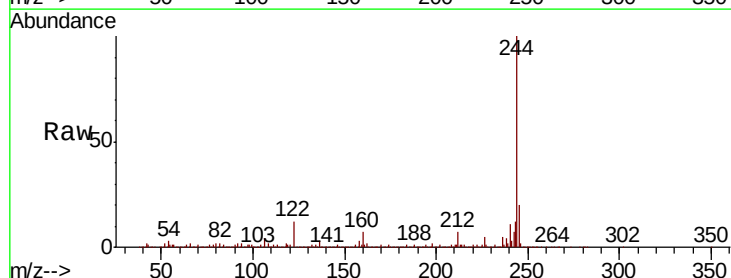
Instrument :
BNA_F
ClientSampleId :
P026-SS006-0206-01

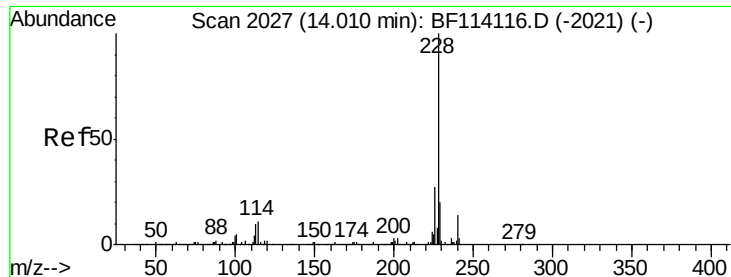
Tgt Ion: 202 Resp: 2248612
Ion Ratio Lower Upper
202 100
200 21.4 16.9 25.3
203 18.8 14.5 21.7



#79
Terphenyl-d14
Concen: 79.967 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.01 min
Lab File: BF114238.D
Acq: 13 May 2019 19:18

Tgt Ion: 244 Resp: 1803961
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 12.3 9.4 14.2





#81

Benzo(a)anthracene

Concen: 44.972 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.05 min

Lab File: BF114238.D

Acq: 13 May 2019 19:18

Instrument :

BNA_F

ClientSampleId :

P026-SS006-0206-01

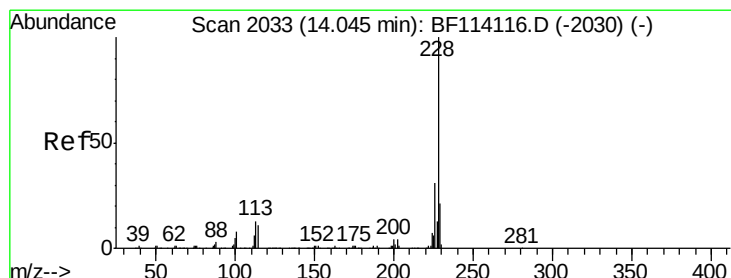
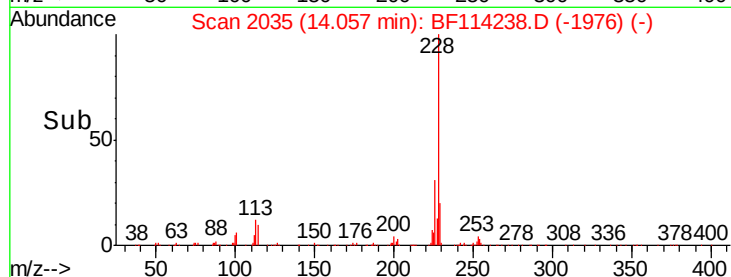
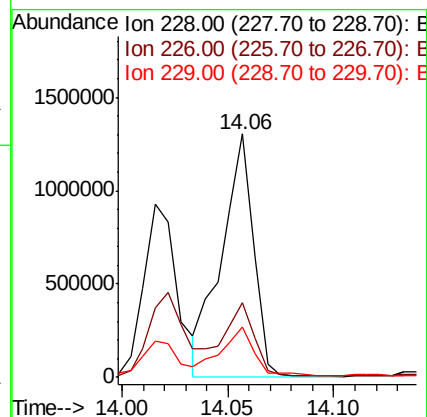
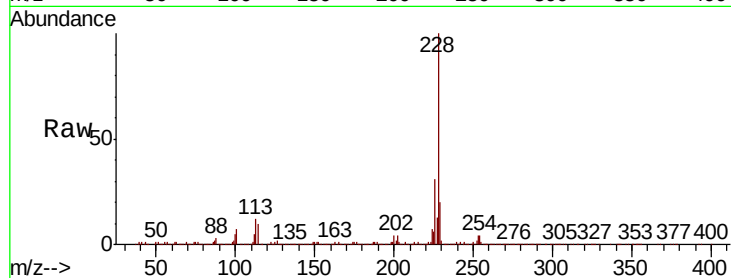
Tgt Ion:228 Resp: 1352686

Ion Ratio Lower Upper

228 100

226 30.9 22.2 33.2

229 20.5 16.4 24.6



#83

Chrysene

Concen: 45.877 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF114238.D

Acq: 13 May 2019 19:18

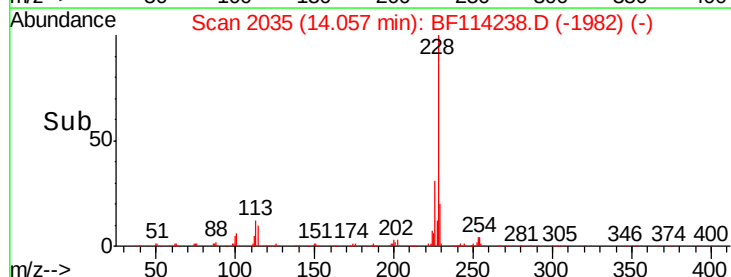
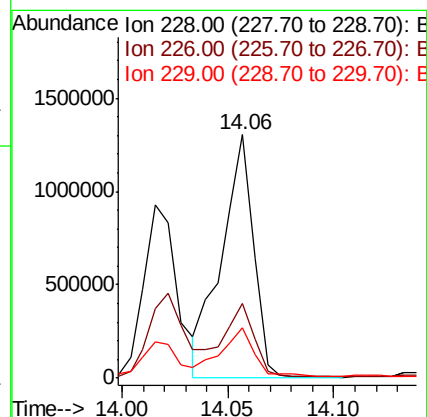
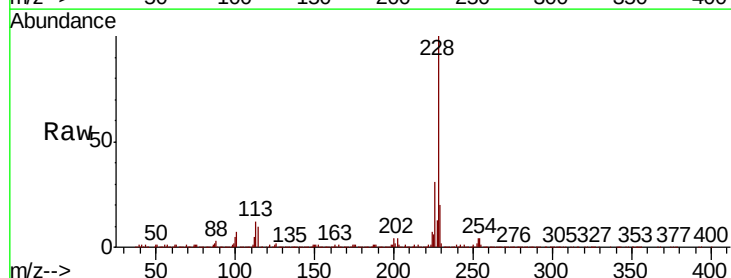
Tgt Ion:228 Resp: 1352686

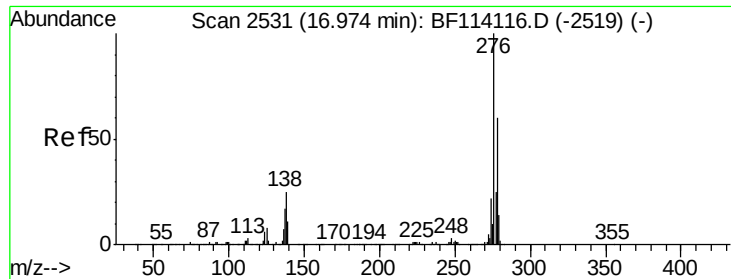
Ion Ratio Lower Upper

228 100

226 30.9 25.0 37.6

229 20.5 17.0 25.6

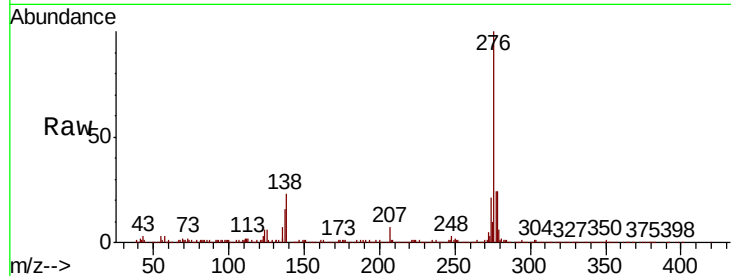




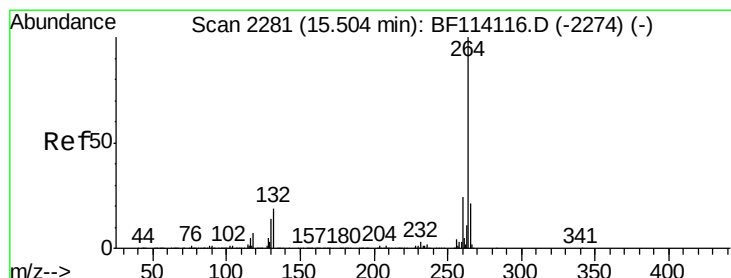
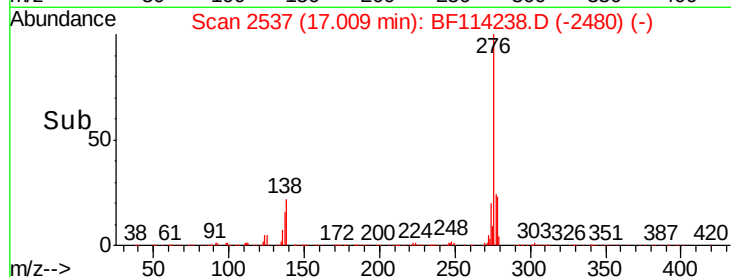
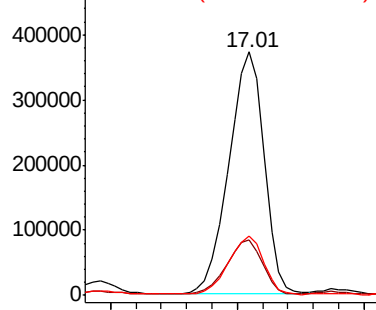
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 27.467 ng
 RT: 17.01 min Scan# 2537
 Delta R.T. 0.04 min
 Lab File: BF114238.D
 Acq: 13 May 2019 19:18

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS006-0206-01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.4	20.2	30.2
277	24.1	20.0	30.0

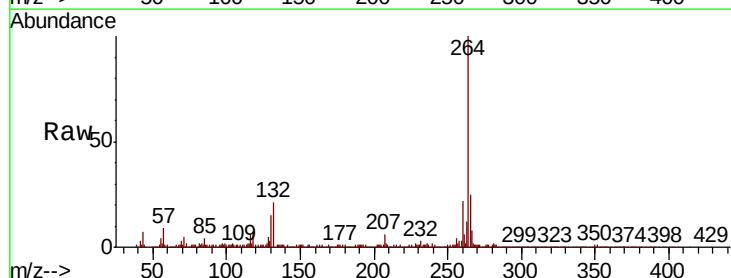


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

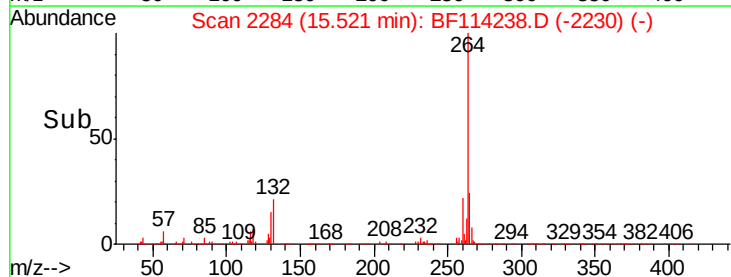
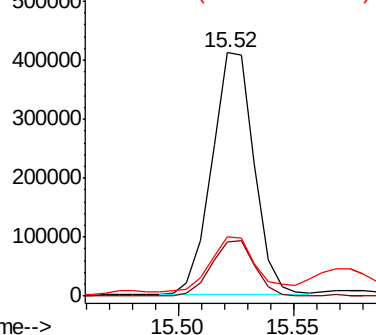


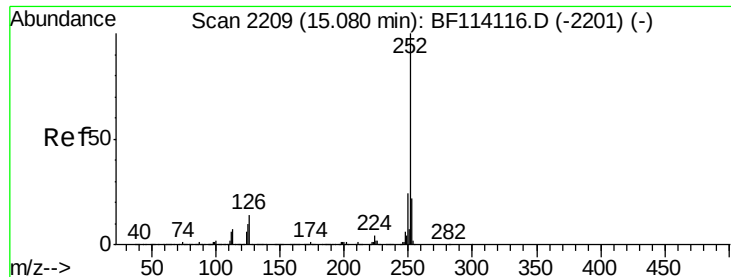
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.52 min Scan# 2284
 Delta R.T. 0.02 min
 Lab File: BF114238.D
 Acq: 13 May 2019 19:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.4	29.0
265	24.5	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





#88

Benzo(b)fluoranthene

Concen: 64.042 ng

RT: 15.10 min Scan# 2212

Delta R.T. 0.02 min

Lab File: BF114238.D

Acq: 13 May 2019 19:18

Instrument :

BNA_F

ClientSampleId :

P026-SS006-0206-01

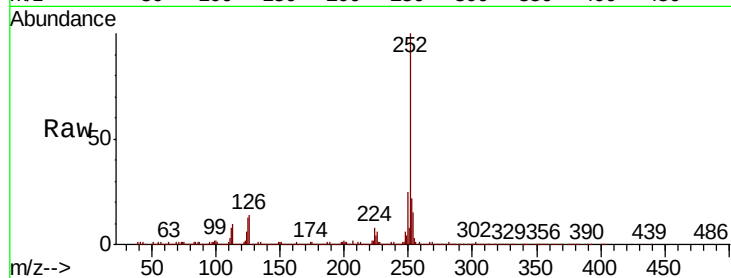
Tgt Ion:252 Resp: 2150557

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

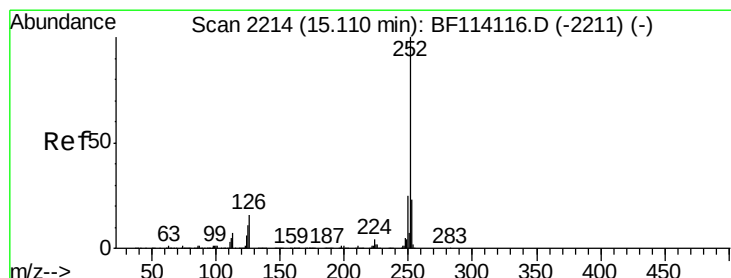
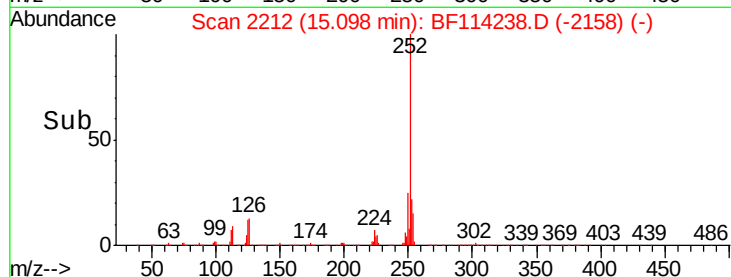
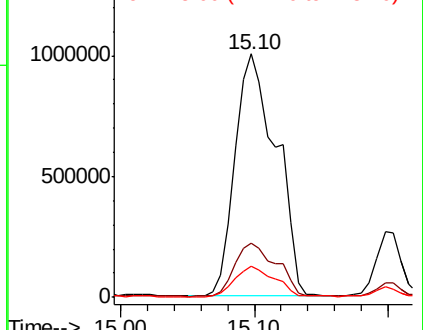
125 12.6 8.3 12.5#



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: 69.717 ng

RT: 15.10 min Scan# 2212

Delta R.T. -0.01 min

Lab File: BF114238.D

Acq: 13 May 2019 19:18

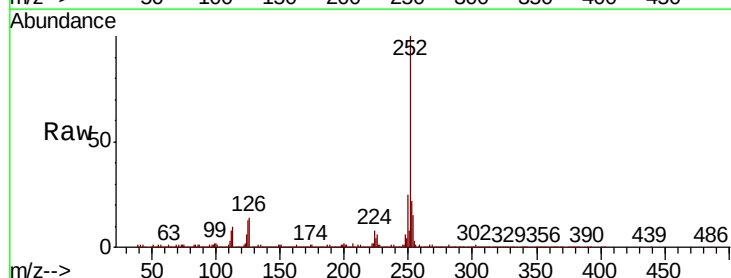
Tgt Ion:252 Resp: 2150557

Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.2

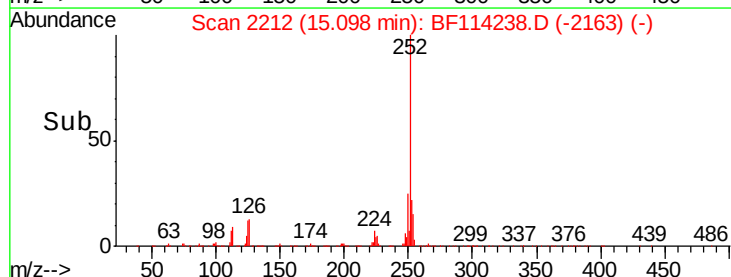
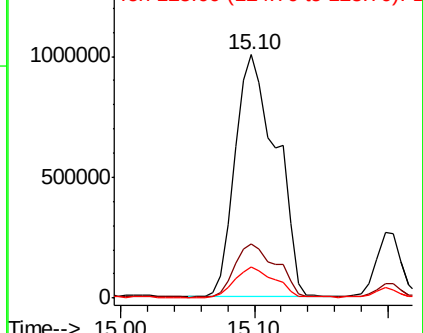
125 12.6 8.6 13.0

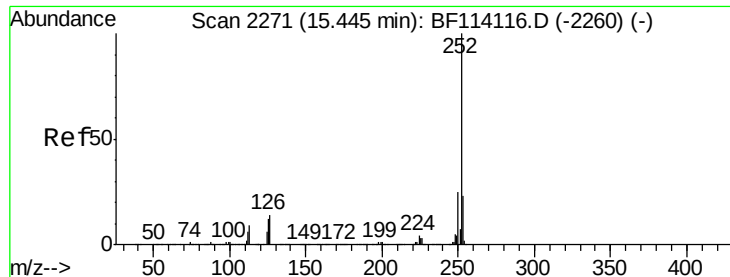


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 36.661 ng

RT: 15.47 min Scan# 2275

Delta R.T. 0.02 min

Lab File: BF114238.D

Acq: 13 May 2019 19:18

Instrument :

BNA_F

ClientSampleId :

P026-SS006-0206-01

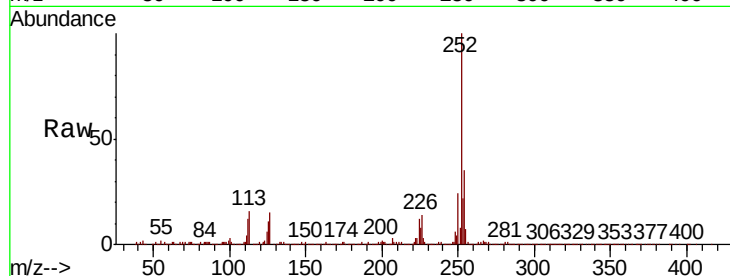
Tgt Ion:252 Resp: 1083451

Ion Ratio Lower Upper

252 100

253 21.9 18.1 27.1

125 11.1 9.5 14.3

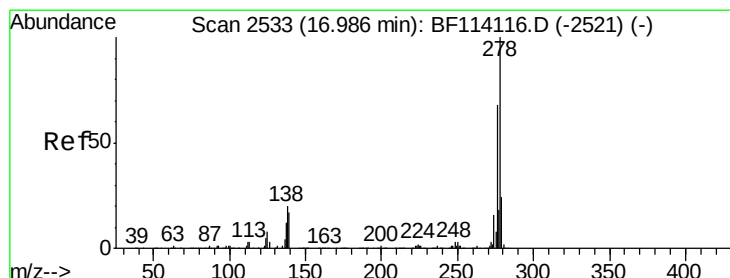
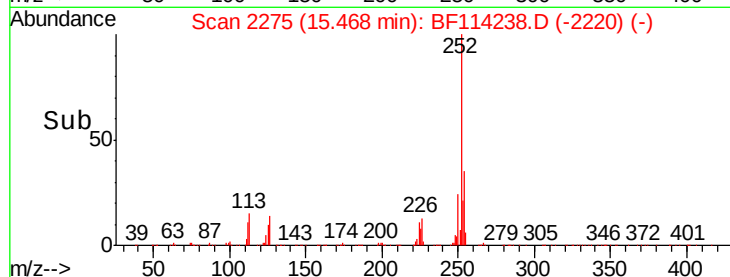
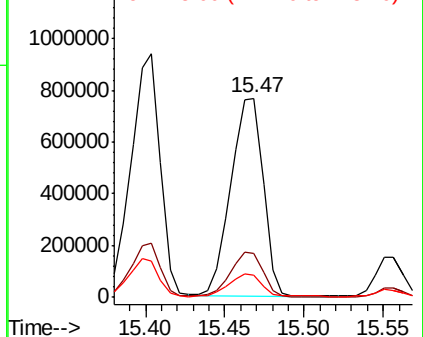


Abundance

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



#91

Dibenzo(a,h)anthracene

Concen: 4.911 ng

RT: 16.81 min Scan# 2503

Delta R.T. -0.18 min

Lab File: BF114238.D

Acq: 13 May 2019 19:18

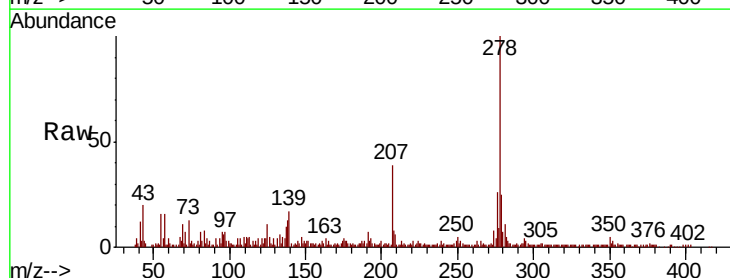
Tgt Ion:278 Resp: 120601

Ion Ratio Lower Upper

278 100

139 16.8 13.5 20.3

279 24.9 19.0 28.6

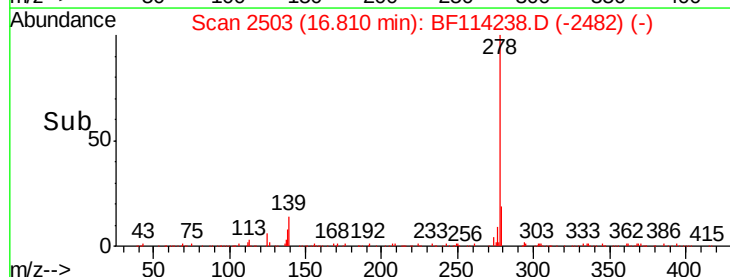
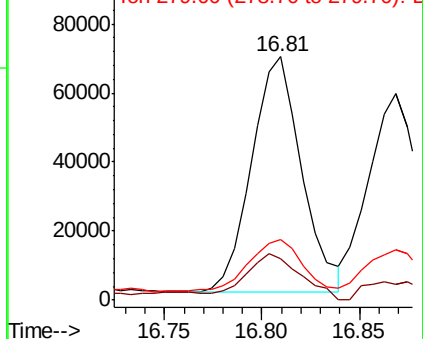


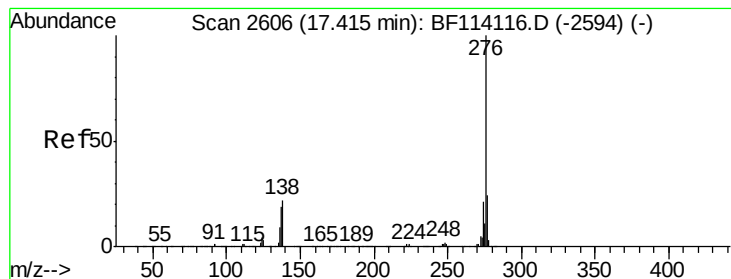
Abundance

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: 32.162 ng

RT: 17.46 min Scan# 2614

Delta R.T. 0.05 min

Lab File: BF114238.D

Acq: 13 May 2019 19:18

Instrument :

BNA_F

ClientSampleId :

P026-SS006-0206-01

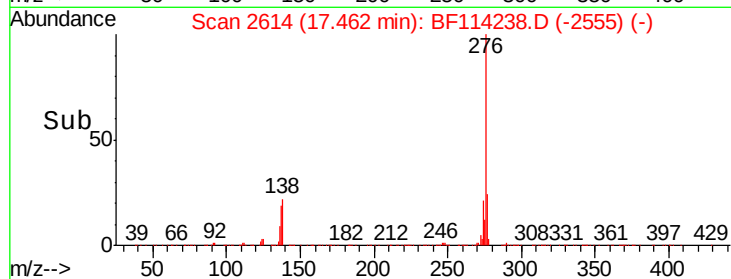
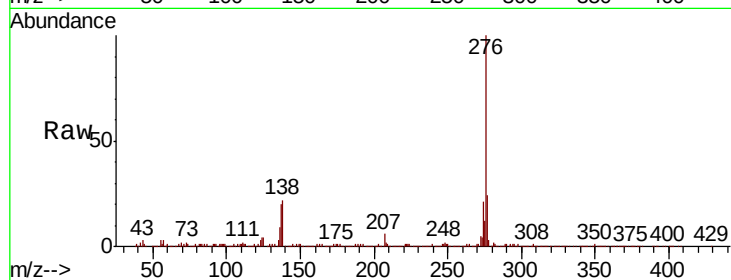
Tgt Ion: 276 Resp: 791523

Ion Ratio Lower Upper

276 100

277 24.1 19.0 28.4

138 22.2 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

