

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051119\
 Data File : BF114178.D
 Acq On : 12 May 2019 2:38
 Operator : JU/SJ
 Sample : K2765-17
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS005-1824-01

Quant Time: May 12 05:59:27 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	293319	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1092132	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	510450	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	1011144	20.00	ng	0.00
76) Chrysene-d12	14.01	240	634558	20.00	ng	-0.01
87) Perylene-d12	15.48	264	773405	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	2034820	111.64	ng	0.00
7) Phenol-d6	6.49	99	2723871	126.35	ng	0.00
23) Nitrobenzene-d5	7.41	82	1674028	86.02	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	623812	118.21	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2323375	68.85	ng	0.00
79) Terphenyl-d14	12.95	244	2075339	67.42	ng	0.00

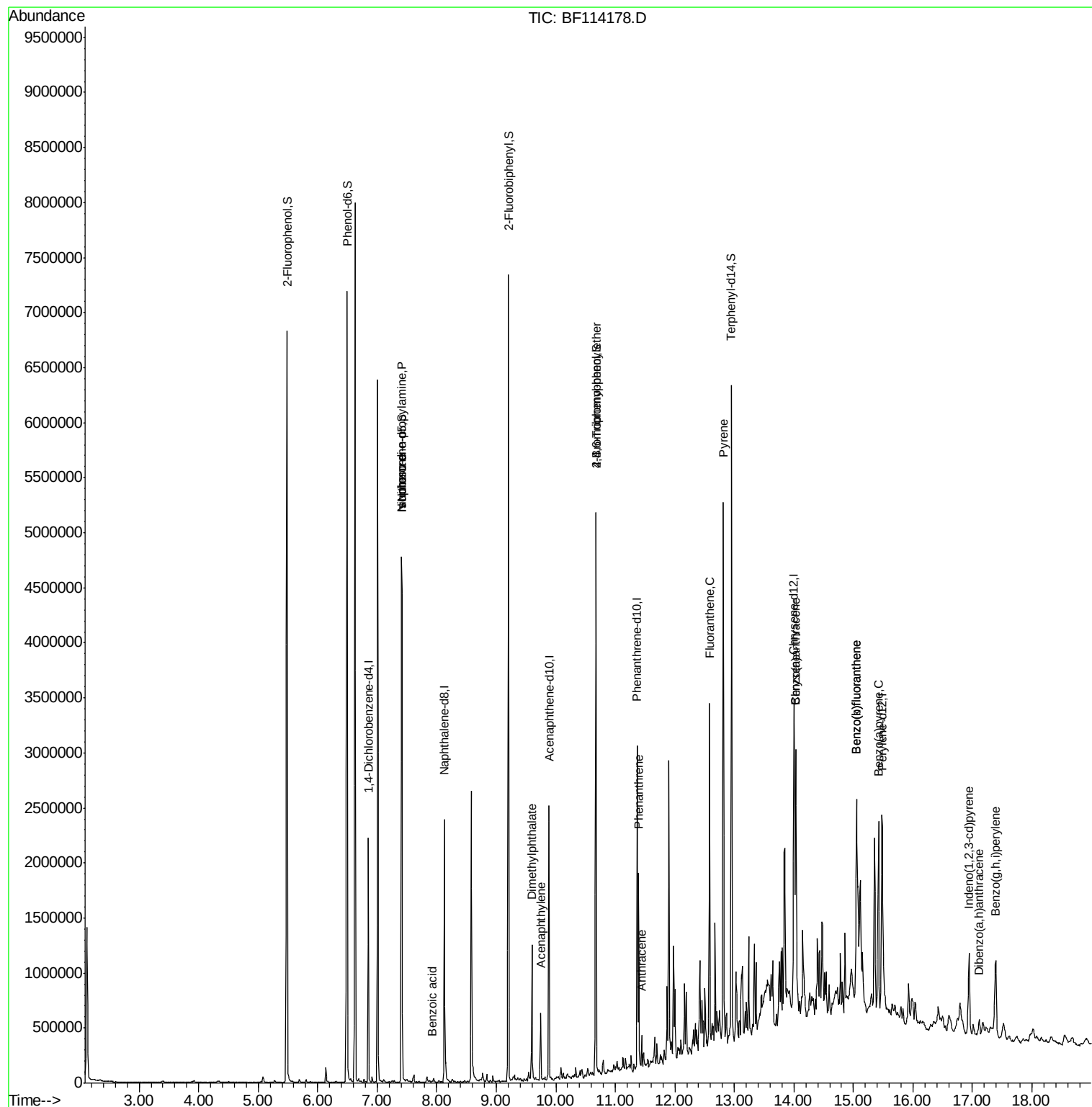
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	225914	16.533	ng	# 76
25) Isophorone	7.41	82	1656662	45.901	ng	# 64
32) Benzoic acid	7.93	122	260	7.041	ng	# 35
49) Acenaphthylene	9.75	152	239347	4.742	ng	98
50) Dimethylphthalate	9.60	163	457984	12.222	ng	99
67) 4-Bromophenyl-phenylether	10.67	248	39385	3.538	ng	# 1
71) Phenanthrene	11.39	178	589448	11.982	ng	97
72) Anthracene	11.45	178	120782	2.444	ng	97
75) Fluoranthene	12.58	202	1219991	23.030	ng	98
78) Pyrene	12.82	202	2027128	39.711	ng	99
81) Benzo(a)anthracene	14.03	228	898298	21.887	ng	97
83) Chrysene	14.03	228	898298	22.327	ng	98
86) Indeno(1,2,3-cd)pyrene	16.94	276	487044	13.697	ng	96
88) Benzo(b)fluoranthene	15.06	252	1275173	25.736	ng	98
89) Benzo(k)fluoranthene	15.06	252	1275173	28.016	ng	98
90) Benzo(a)pyrene	15.42	252	719866	16.508	ng	99
91) Dibenzo(a,h)anthracene	17.12	278	78377	2.163	ng	93
92) Benzo(g,h,i)perylene	17.39	276	548762	15.112	ng	99

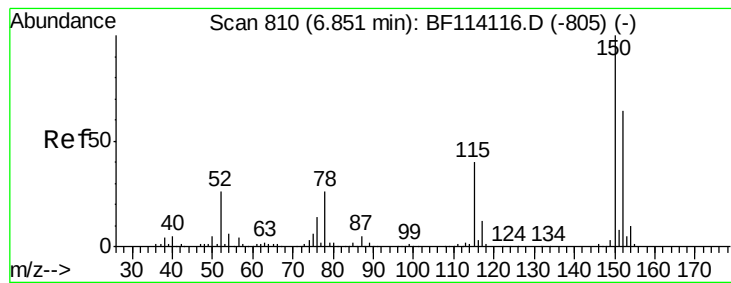
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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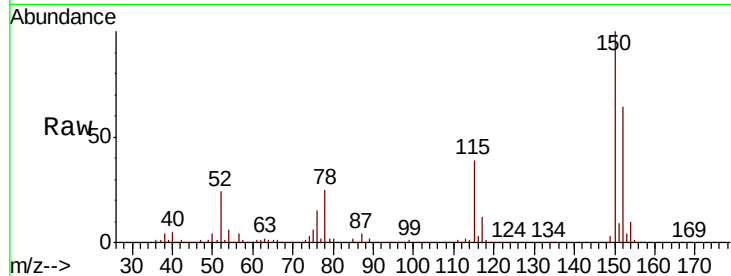




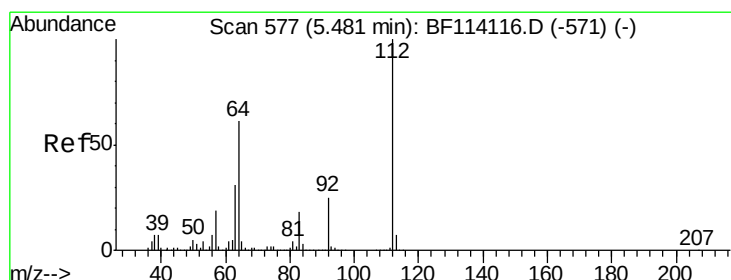
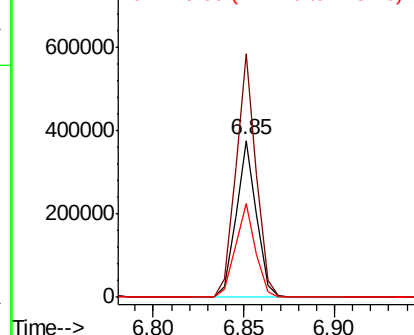
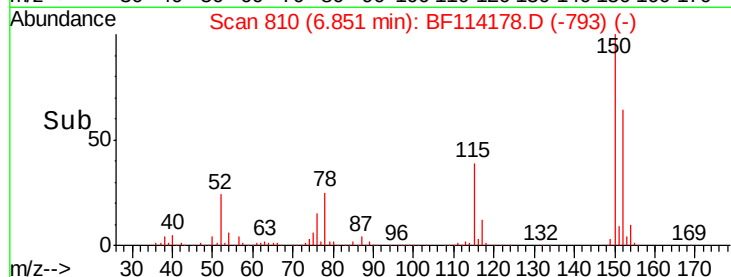
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF114178.D
 Acq: 12 May 2019 2:38

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS005-1824-01

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.3	186.5
115	59.8	49.1	73.7

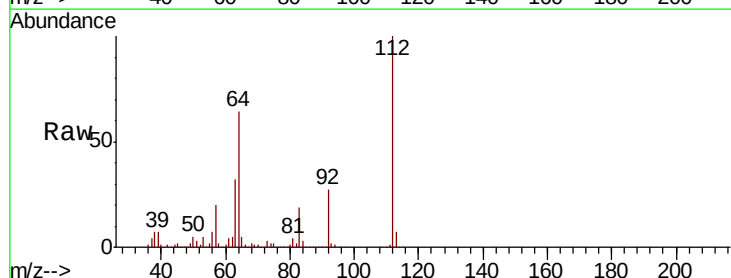


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

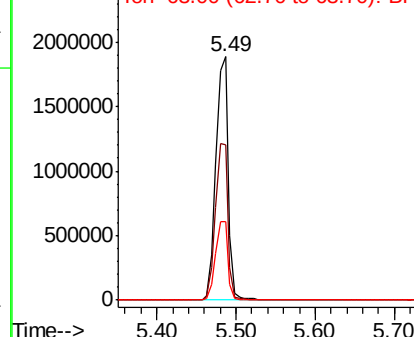
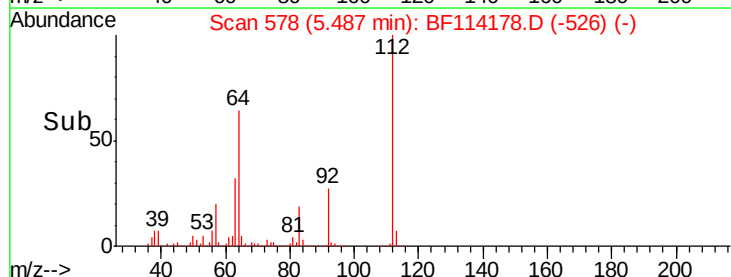


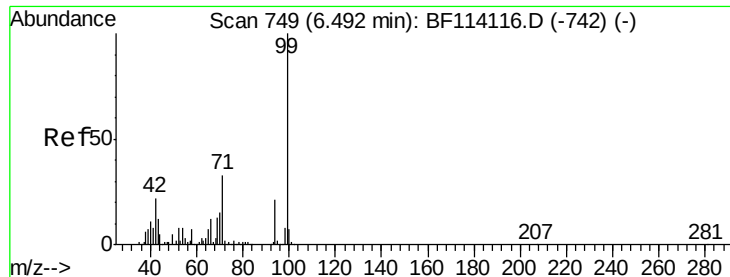
#5
 2-Fluorophenol
 Concen: 111.638 ng
 RT: 5.49 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: BF114178.D
 Acq: 12 May 2019 2:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.9	49.0	73.6
63	32.3	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: 126.353 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF114178.D

Acq: 12 May 2019 2:38

Instrument :

BNA_F

ClientSampleId :

P026-SS005-1824-01

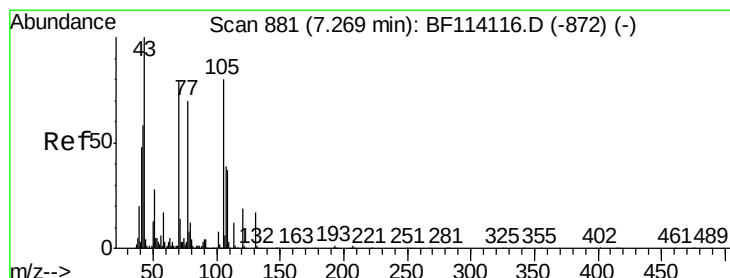
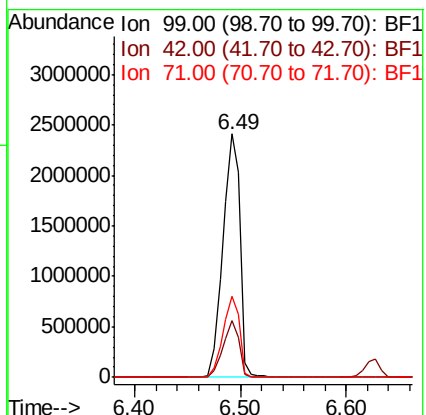
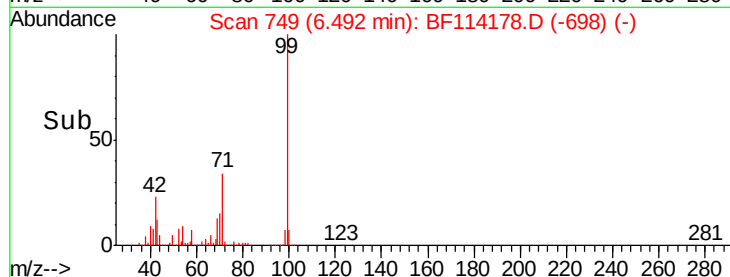
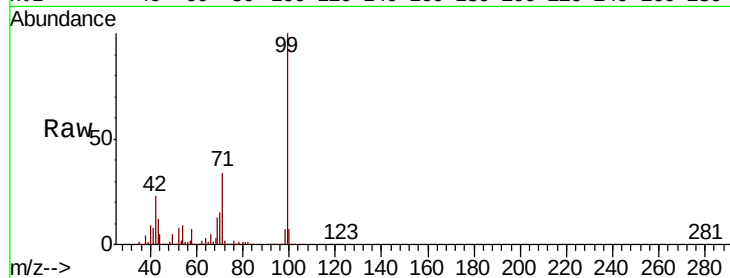
Tgt Ion: 99 Resp: 2723871

Ion Ratio Lower Upper

99 100

42 23.1 17.9 26.9

71 33.5 26.2 39.2



#19

n-Nitroso-di-n-propylamine

Concen: 16.533 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF114178.D

Acq: 12 May 2019 2:38

Tgt Ion: 70 Resp: 225914

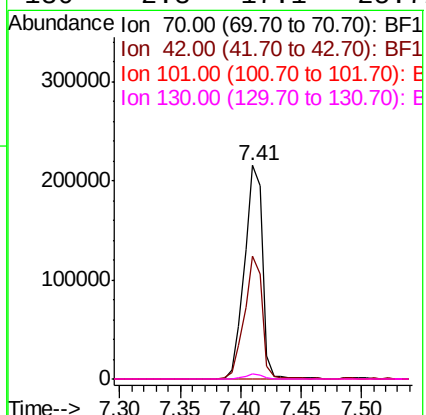
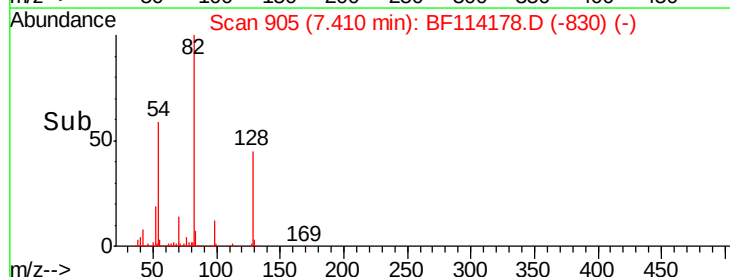
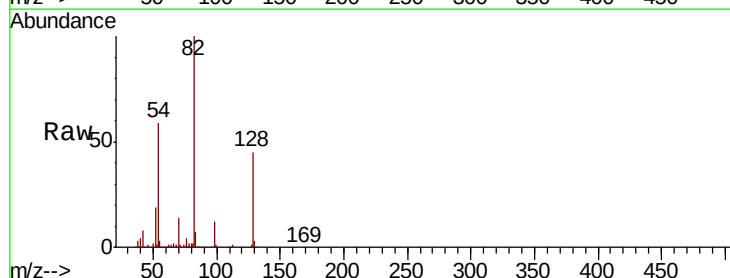
Ion Ratio Lower Upper

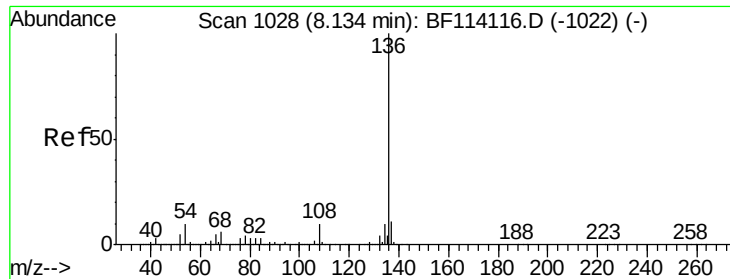
70 100

42 57.4 58.6 87.8#

101 0.0 7.8 11.8#

130 2.3 17.1 25.7#

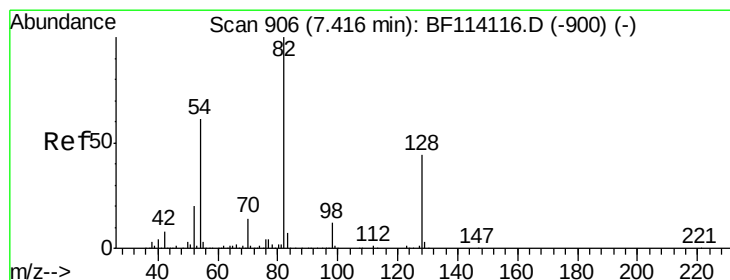
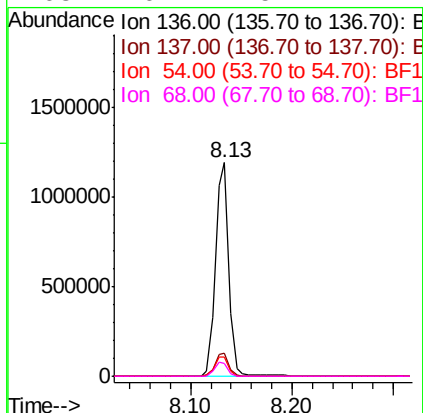
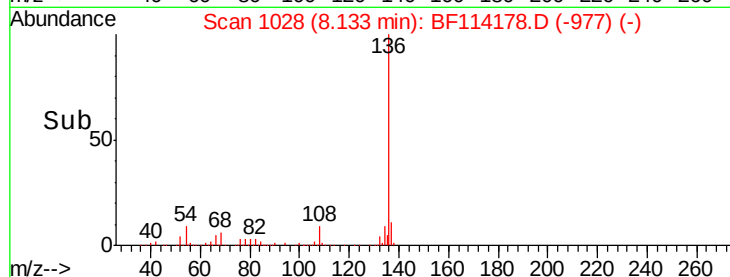
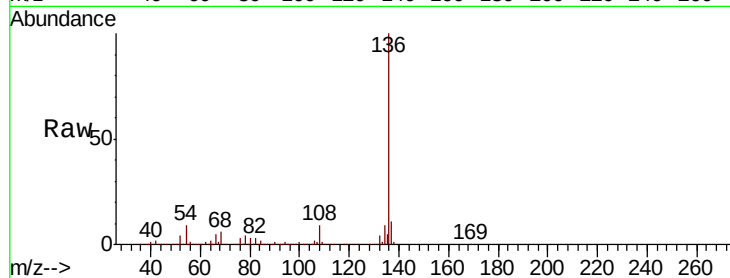




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BF114178.D
Acq: 12 May 2019 2:38

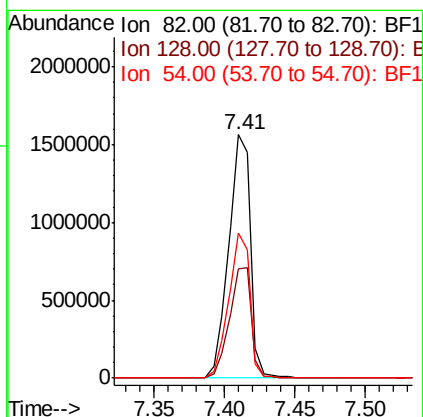
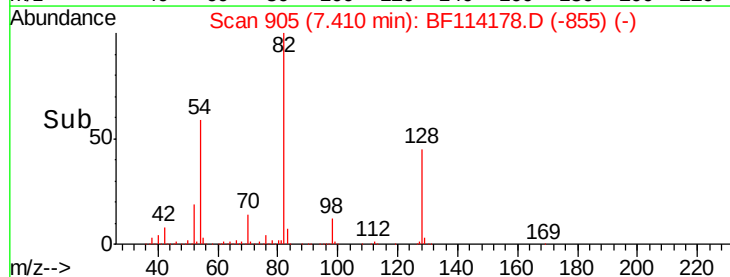
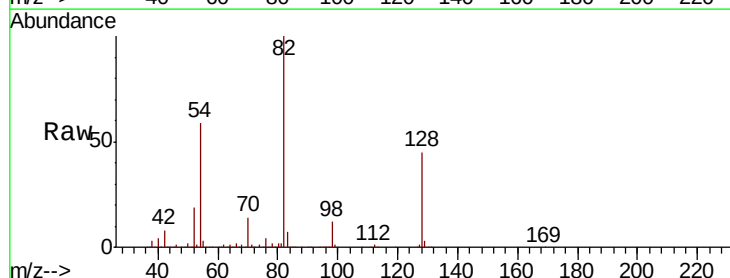
Instrument :
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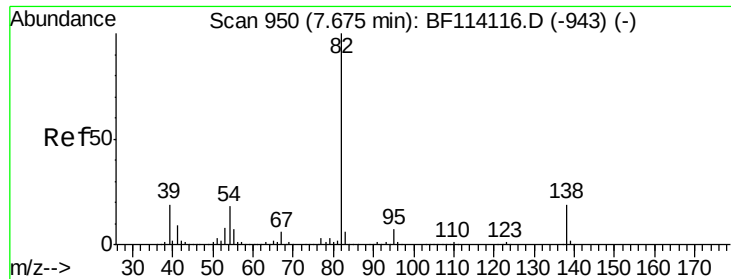
Tgt Ion:	136	Resp:	1092132
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.7	7.8	11.8
68	6.1	5.1	7.7



#23
Nitrobenzene-d5
Concen: 86.021 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114178.D
Acq: 12 May 2019 2:38

Tgt Ion:	82	Resp:	1674028
Ion	Ratio	Lower	Upper
82	100		
128	44.7	35.5	53.3
54	59.5	48.5	72.7





#25

Isophorone

Concen: 45.901 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF114178.D

Acq: 12 May 2019 2:38

Instrument :

BNA_F

ClientSampleId :

P026-SS005-1824-01

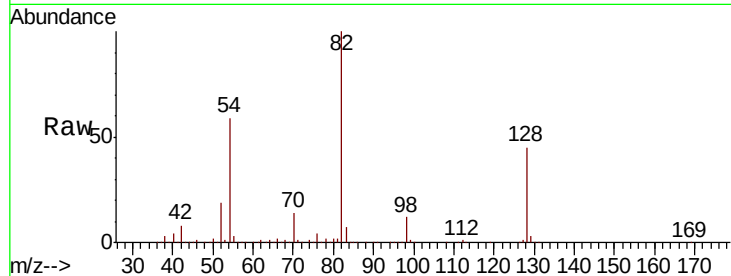
Tgt Ion: 82 Resp: 1656662

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

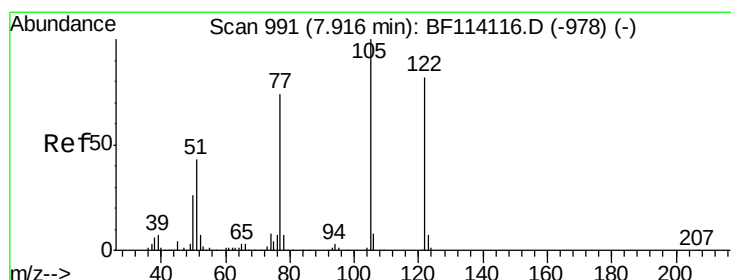
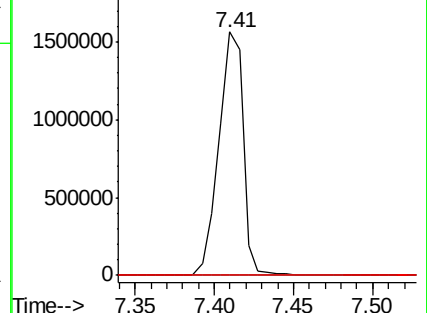
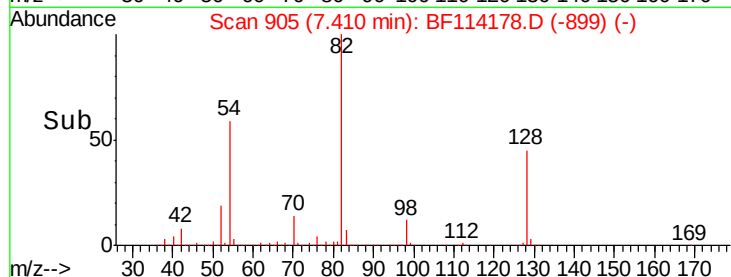
138 0.0 14.8 22.2#



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: 7.041 ng

RT: 7.93 min Scan# 993

Delta R.T. 0.01 min

Lab File: BF114178.D

Acq: 12 May 2019 2:38

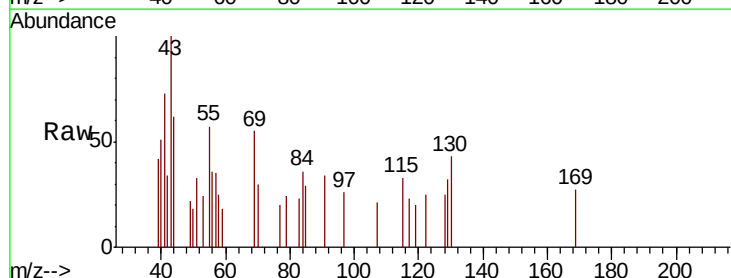
Tgt Ion: 122 Resp: 260

Ion Ratio Lower Upper

122 100

105 0.0 99.9 139.9#

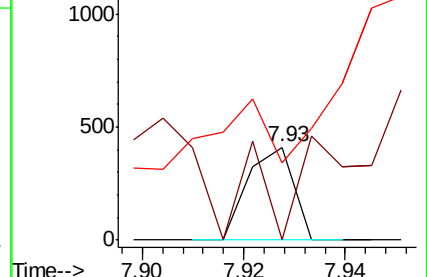
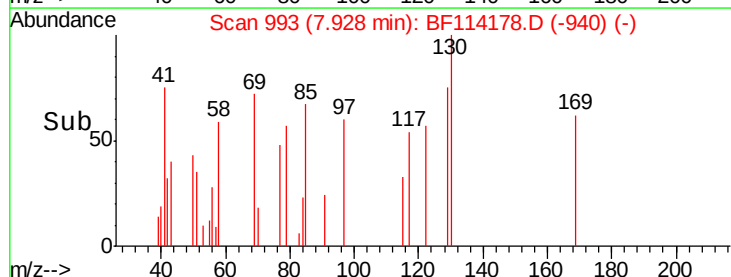
77 83.0 69.4 109.4

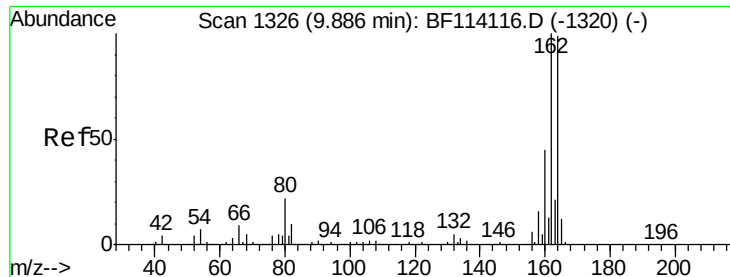


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

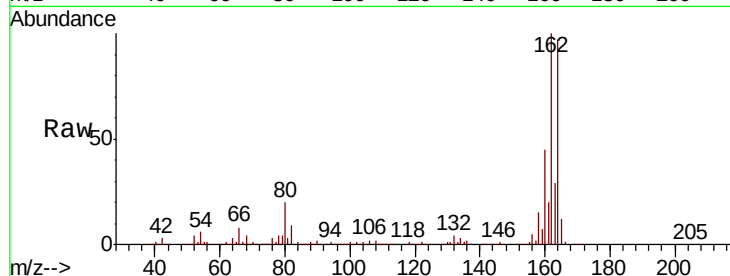




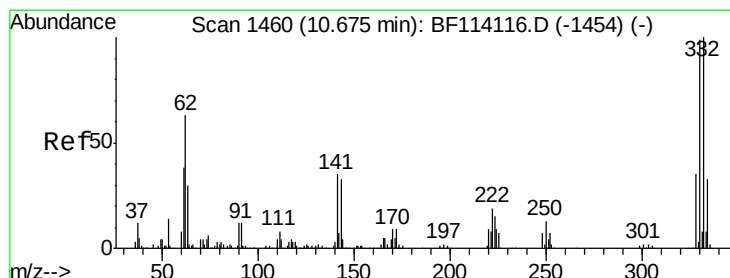
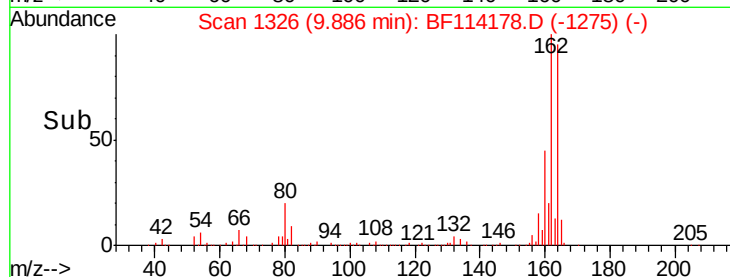
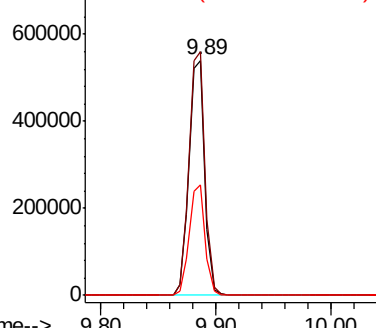
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.00 min
 Lab File: BF114178.D
 Acq: 12 May 2019 2:38

Instrument :
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 P026-SS005-1824-01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	80.6	120.8
160	47.0	36.5	54.7

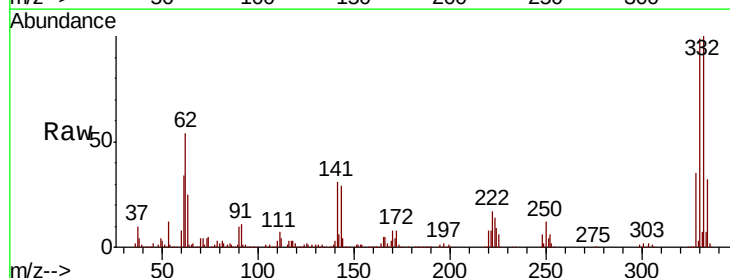


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

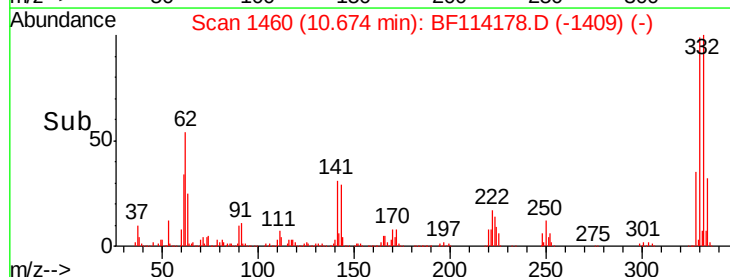
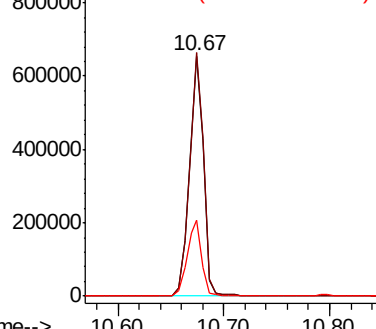


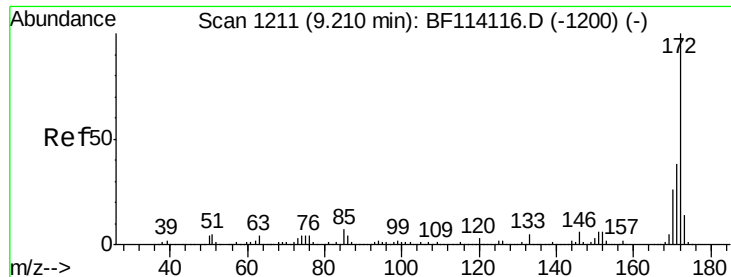
#42
 2,4,6-Tribromophenol
 Concen: 118.209 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.00 min
 Lab File: BF114178.D
 Acq: 12 May 2019 2:38

Tgt Ion	Ratio	Lower	Upper
330	100		
332	101.0	81.4	122.2
141	32.4	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

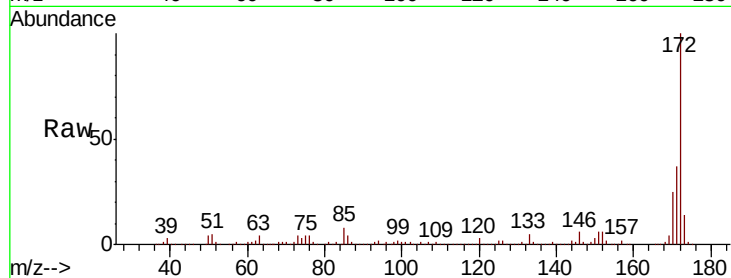




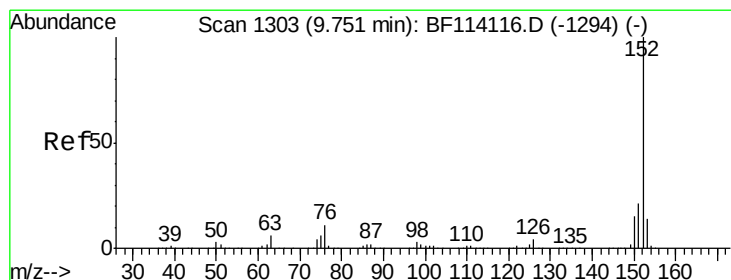
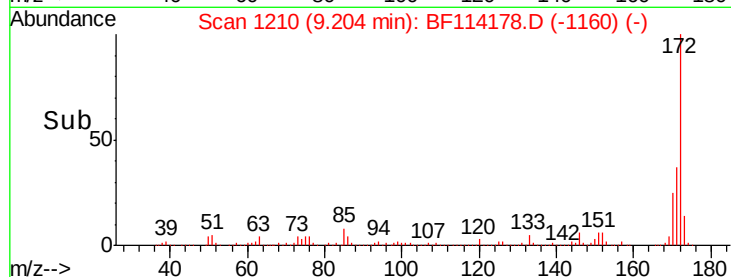
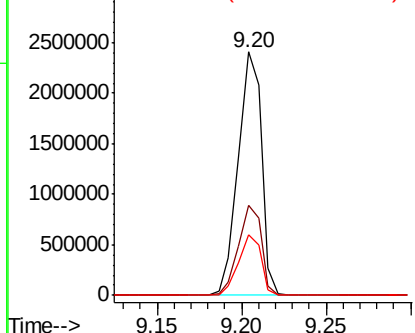
#45
 2-Fluorobiphenyl
 Concen: 68.851 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF114178.D
 Acq: 12 May 2019 2:38

Instrument :
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 P026-SS005-1824-01

Tgt Ion:172 Resp: 2323375
 Ion Ratio Lower Upper
 172 100
 171 36.8 30.7 46.1
 170 24.7 20.5 30.7

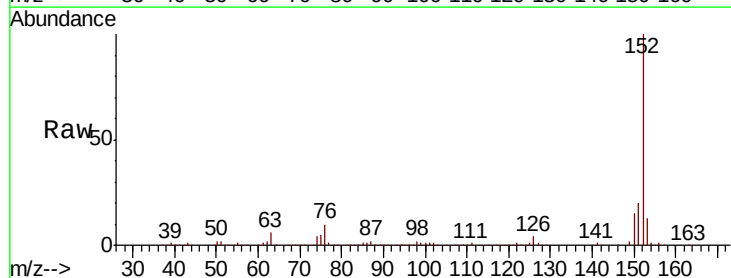


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

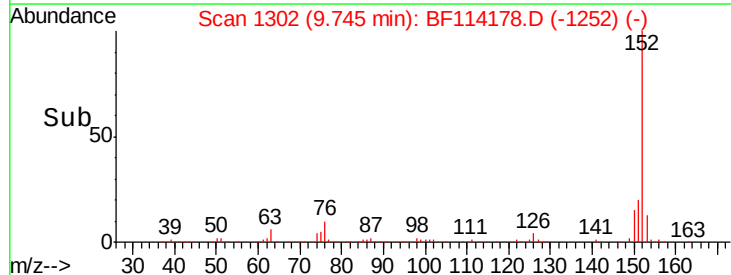
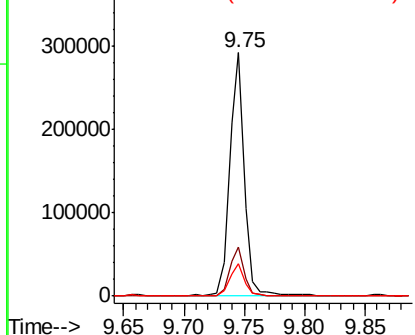


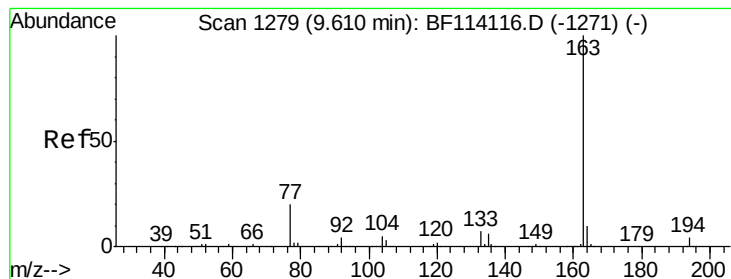
#49
 Acenaphthylene
 Concen: 4.742 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF114178.D
 Acq: 12 May 2019 2:38

Tgt Ion:152 Resp: 239347
 Ion Ratio Lower Upper
 152 100
 151 20.4 16.8 25.2
 153 13.2 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: 12.222 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF114178.D

Acq: 12 May 2019 2:38

Instrument :

BNA_F

ClientSampleId :

P026-SS005-1824-01

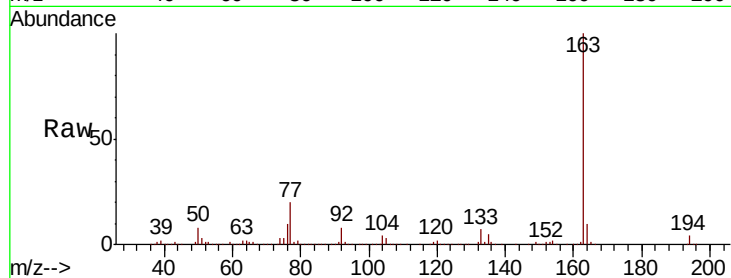
Tgt Ion:163 Resp: 457984

Ion Ratio Lower Upper

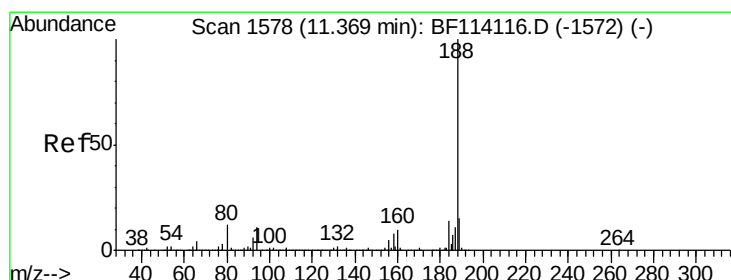
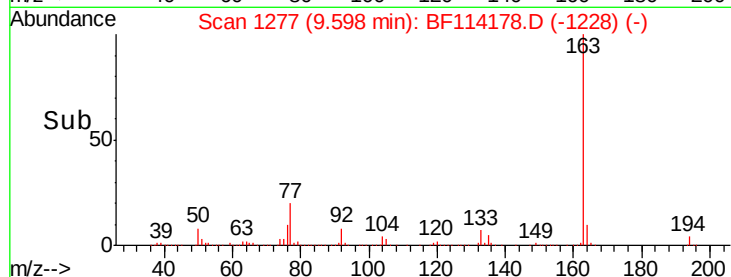
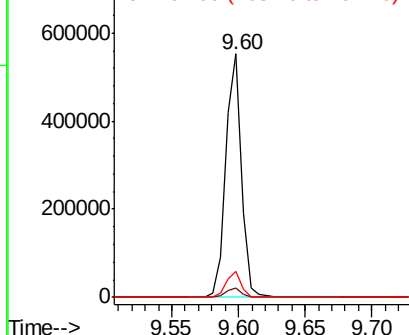
163 100

194 4.0 3.4 5.0

164 10.5 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# 1578

Delta R.T. -0.00 min

Lab File: BF114178.D

Acq: 12 May 2019 2:38

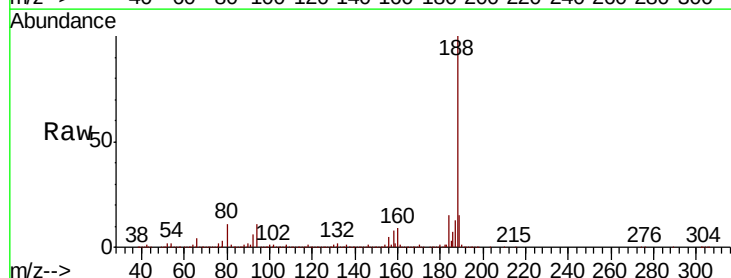
Tgt Ion:188 Resp: 1011144

Ion Ratio Lower Upper

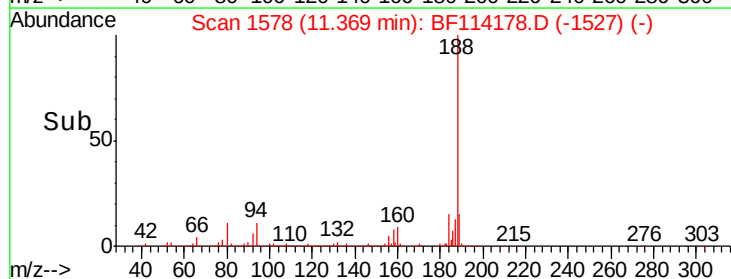
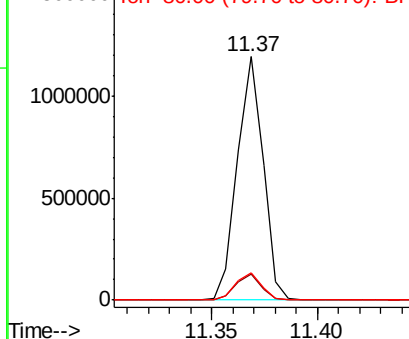
188 100

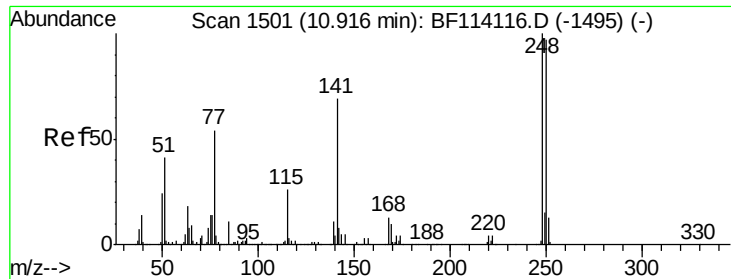
94 10.6 8.4 12.6

80 11.1 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

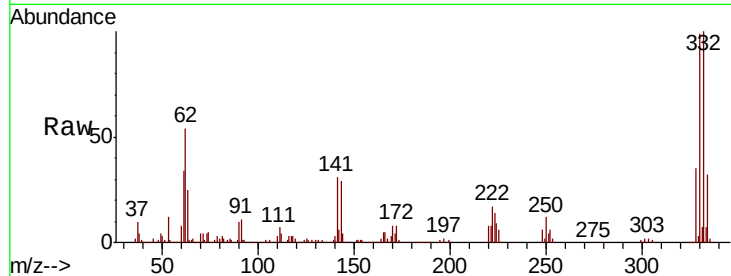




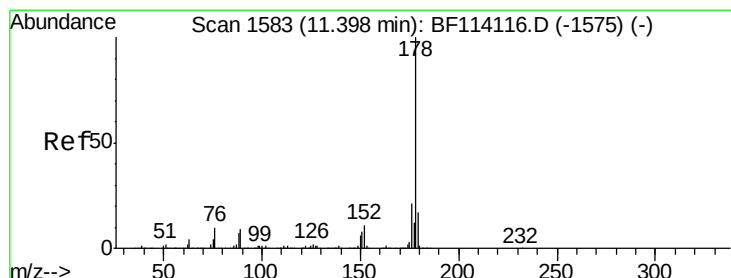
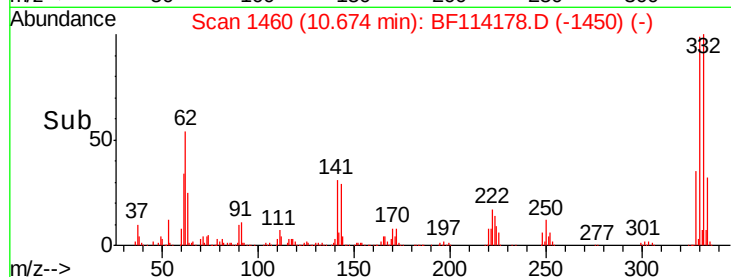
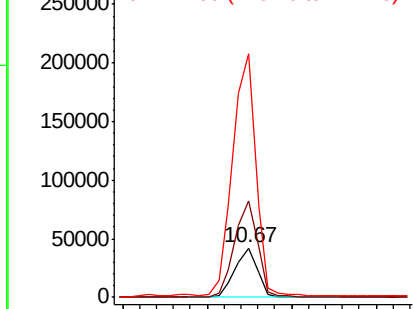
#67
 4-Bromophenyl-phenylether
 Concen: 3.538 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.24 min
 Lab File: BF114178.D
 Acq: 12 May 2019 2:38

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS005-1824-01

Tgt Ion:248 Resp: 39385
 Ion Ratio Lower Upper
 248 100
 250 196.5 77.4 116.2#
 141 494.9 55.6 83.4#

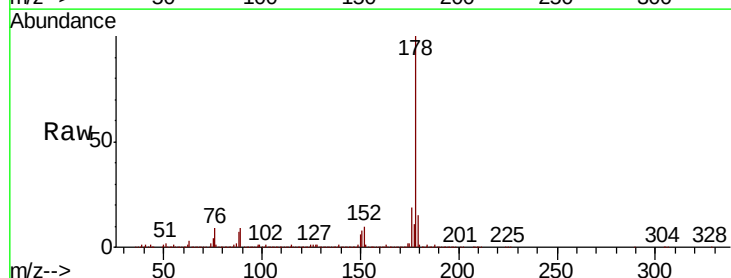


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

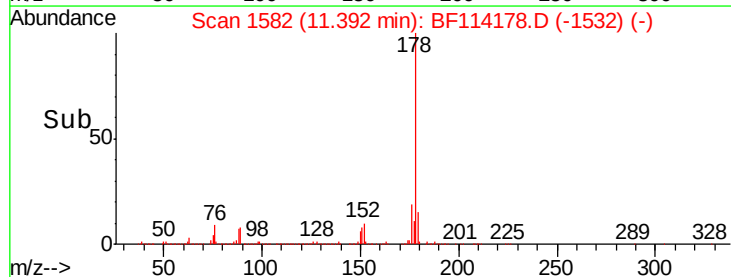
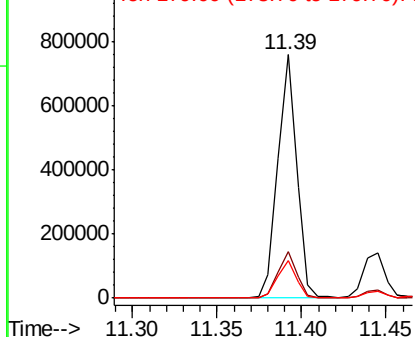


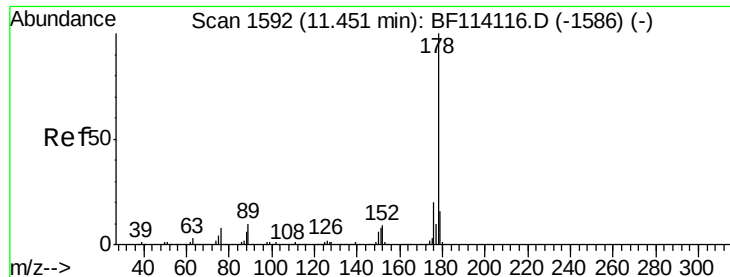
#71
 Phenanthrene
 Concen: 11.982 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF114178.D
 Acq: 12 May 2019 2:38

Tgt Ion:178 Resp: 589448
 Ion Ratio Lower Upper
 178 100
 176 18.9 16.4 24.6
 179 15.3 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: 2.444 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF114178.D

Acq: 12 May 2019 2:38

Instrument :

BNA_F

ClientSampleId :

P026-SS005-1824-01

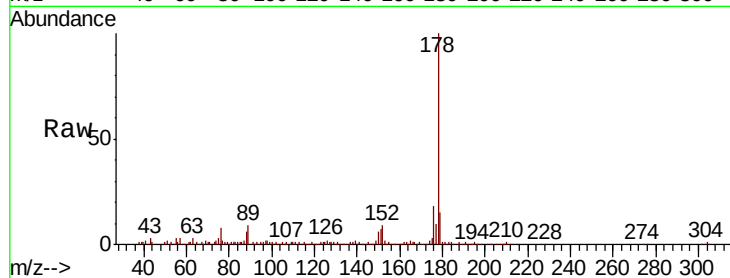
Tgt Ion:178 Resp: 120782

Ion Ratio Lower Upper

178 100

176 18.1 15.8 23.8

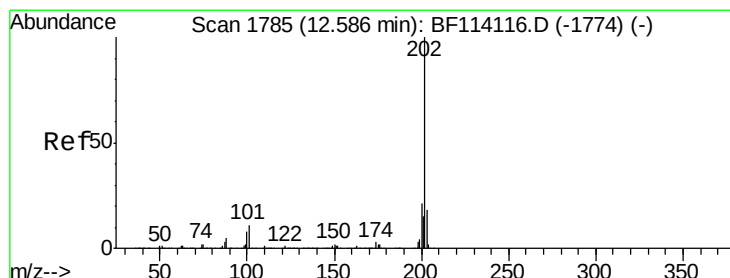
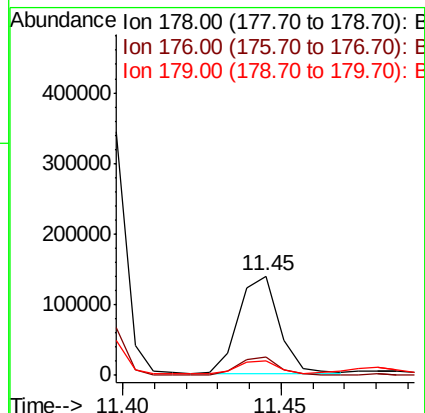
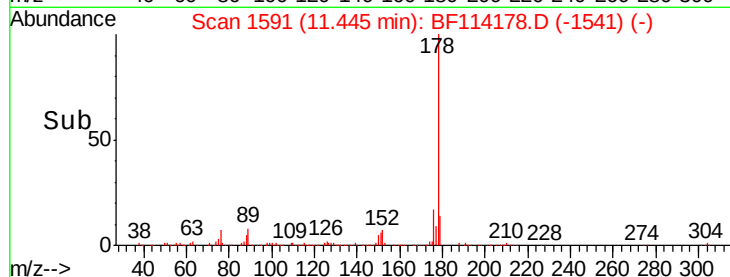
179 14.9 13.0 19.4



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: 23.030 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF114178.D

Acq: 12 May 2019 2:38

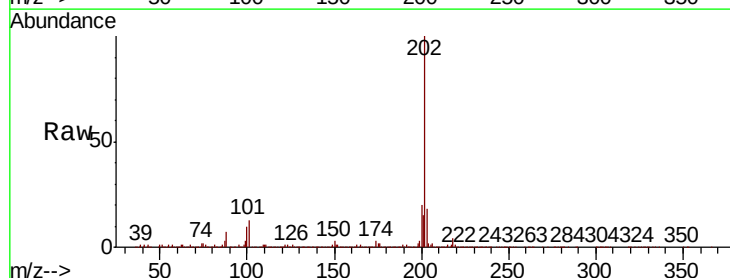
Tgt Ion:202 Resp: 1219991

Ion Ratio Lower Upper

202 100

101 13.4 0.0 31.0

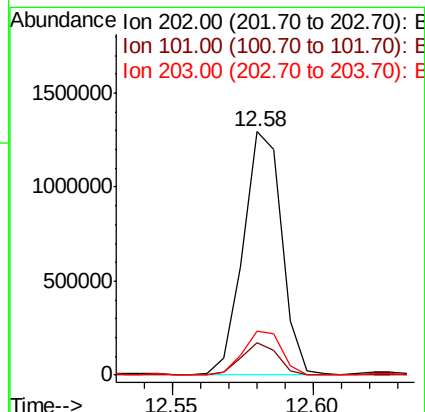
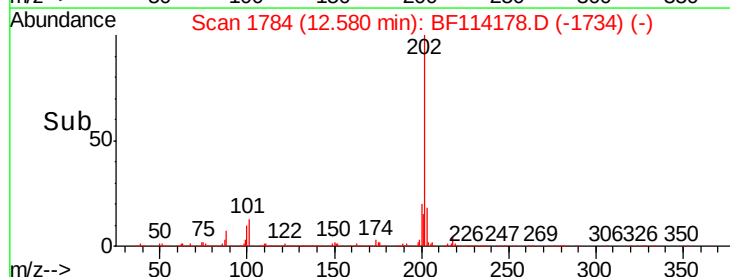
203 18.3 0.0 38.4

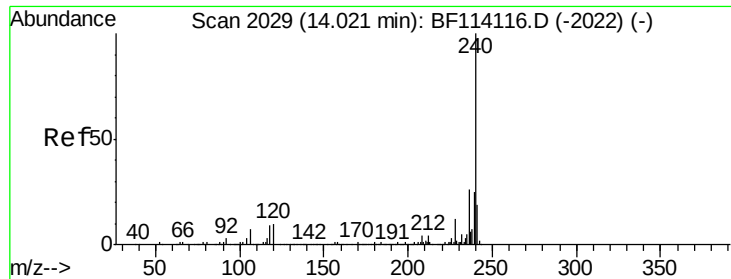


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF114178.D

Acq: 12 May 2019 2:38

Instrument :

BNA_F

ClientSampleId :

P026-SS005-1824-01

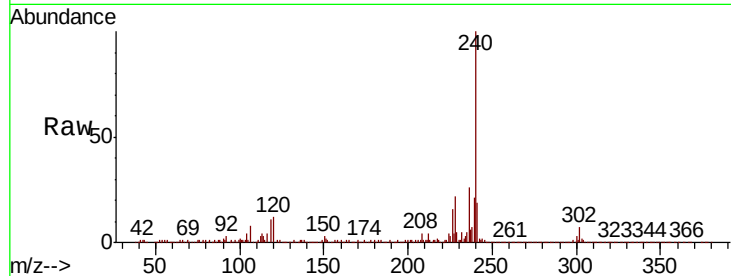
Tgt Ion:240 Resp: 634558

Ion Ratio Lower Upper

240 100

120 11.6 8.3 12.5

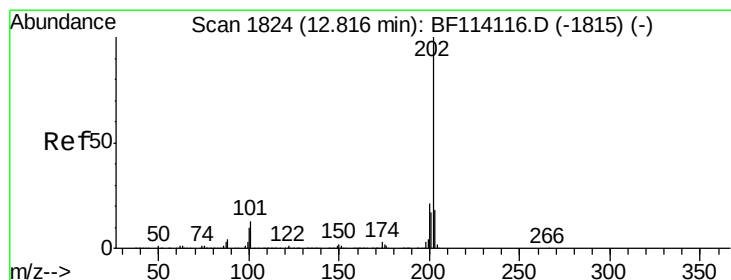
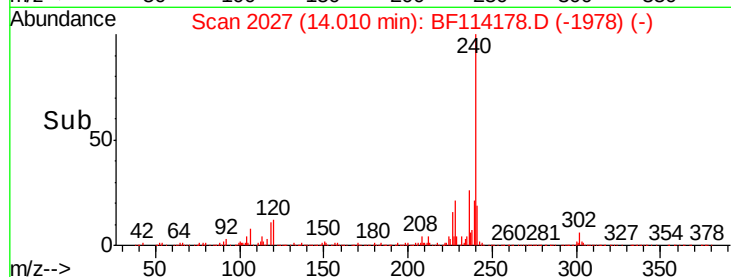
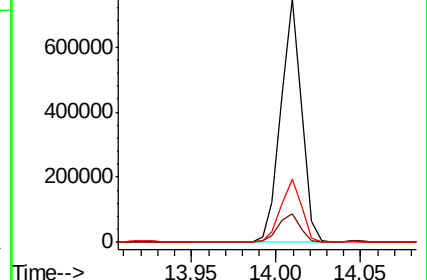
236 26.0 20.8 31.2



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: 39.711 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.00 min

Lab File: BF114178.D

Acq: 12 May 2019 2:38

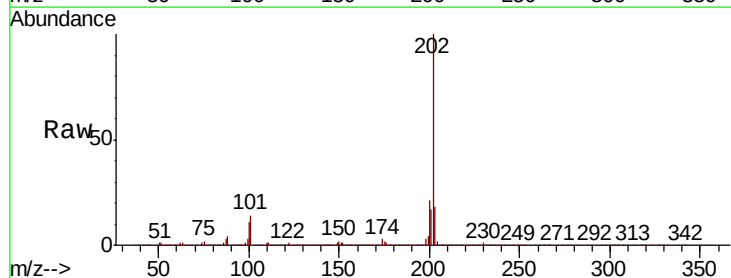
Tgt Ion:202 Resp: 2027128

Ion Ratio Lower Upper

202 100

200 20.7 16.9 25.3

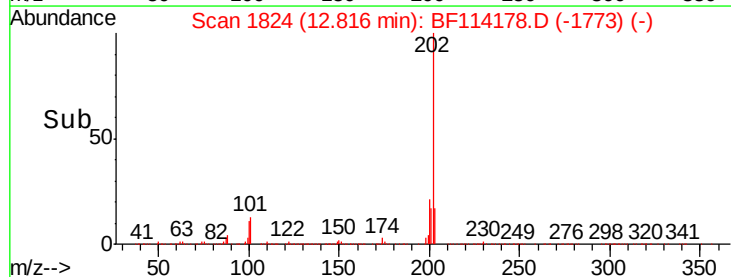
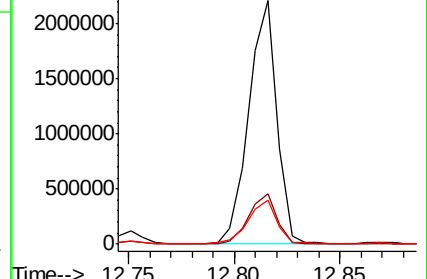
203 17.9 14.5 21.7

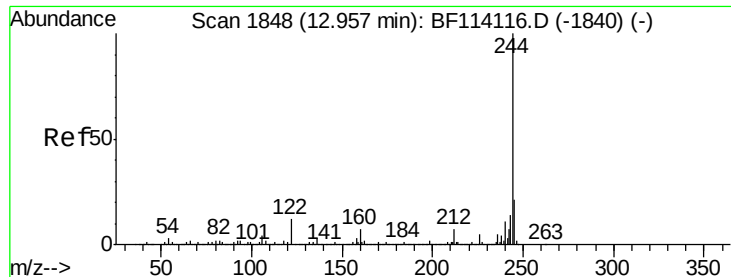


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 67.420 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF114178.D

Acq: 12 May 2019 2:38

Instrument :

BNA_F

ClientSampleId :

P026-SS005-1824-01

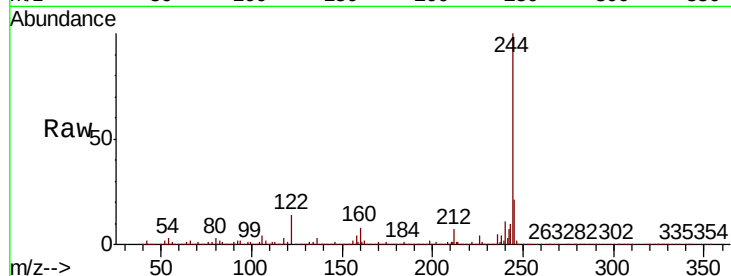
Tgt Ion:244 Resp: 2075339

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

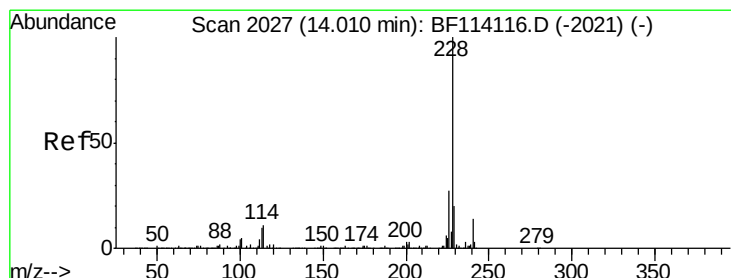
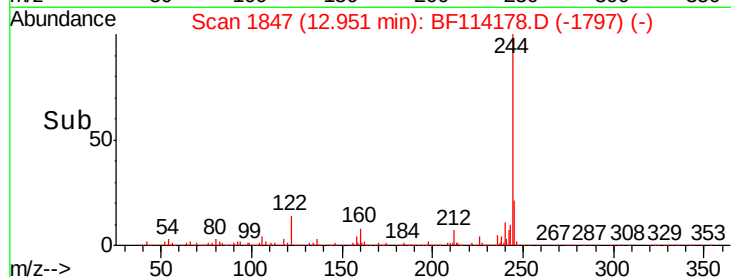
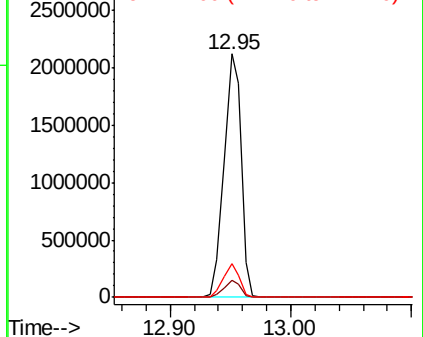
122 13.8 9.4 14.2



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: 21.887 ng

RT: 14.03 min Scan# 2031

Delta R.T. 0.02 min

Lab File: BF114178.D

Acq: 12 May 2019 2:38

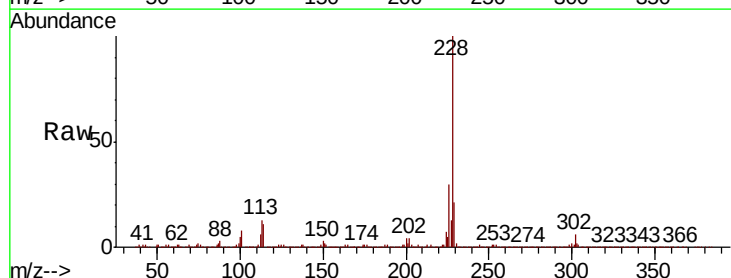
Tgt Ion:228 Resp: 898298

Ion Ratio Lower Upper

228 100

226 30.0 22.2 33.2

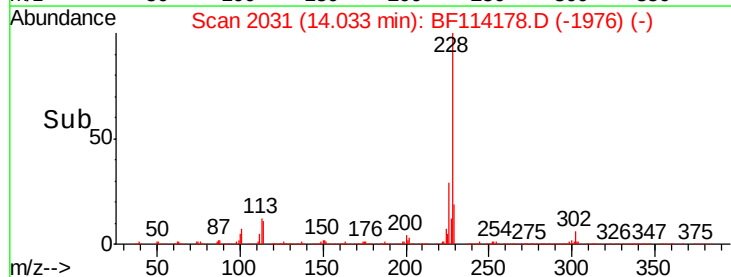
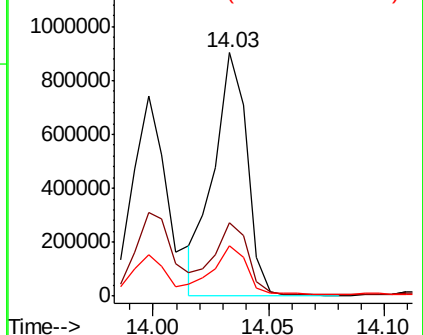
229 20.6 16.4 24.6

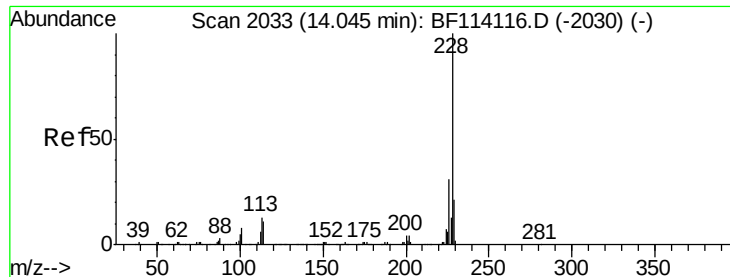


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 22.327 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF114178.D

Acq: 12 May 2019 2:38

Instrument :

BNA_F

ClientSampleId :

P026-SS005-1824-01

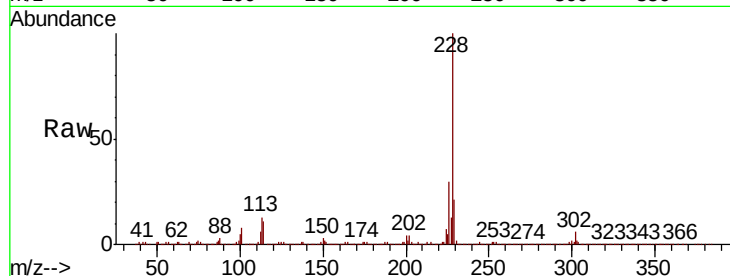
Tgt Ion:228 Resp: 898298

Ion Ratio Lower Upper

228 100

226 30.0 25.0 37.6

229 20.6 17.0 25.6

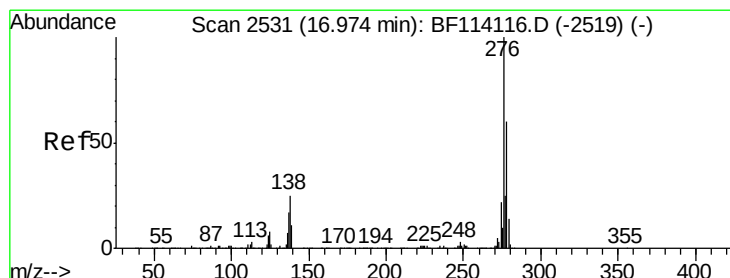
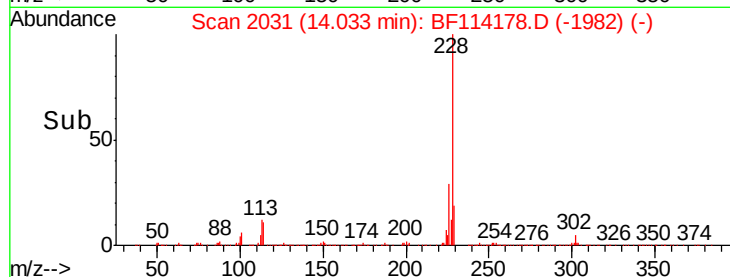
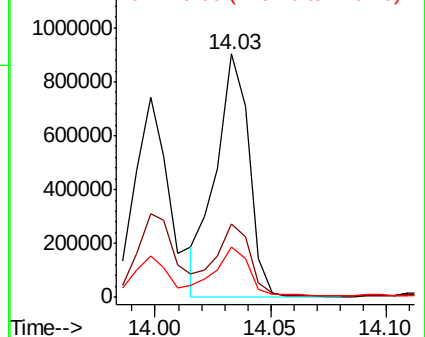


Abundance

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: 13.697 ng

RT: 16.94 min Scan# 2526

Delta R.T. -0.03 min

Lab File: BF114178.D

Acq: 12 May 2019 2:38

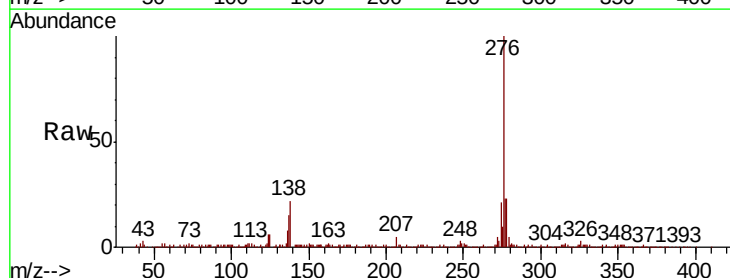
Tgt Ion:276 Resp: 487044

Ion Ratio Lower Upper

276 100

138 21.7 20.2 30.2

277 24.1 20.0 30.0

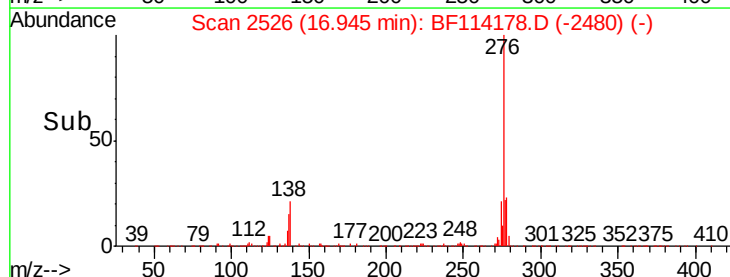
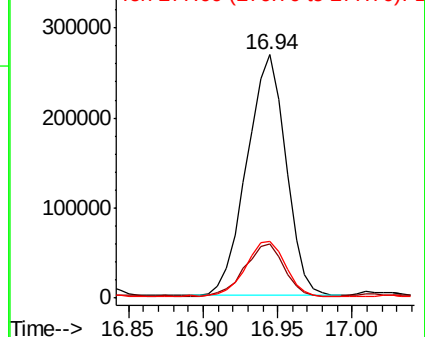


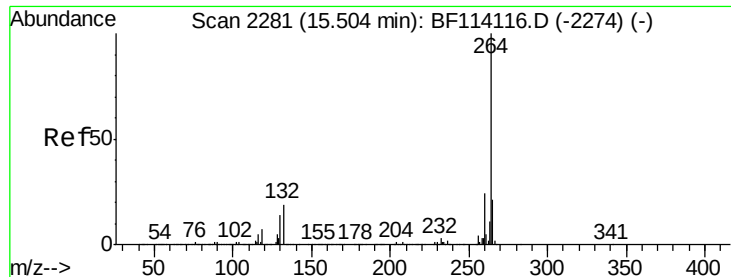
Abundance

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: 15.48 min Scan# 2277

Delta R.T. -0.02 min

Lab File: BF114178.D

Acq: 12 May 2019 2:38

Instrument :

BNA_F

ClientSampleId :

P026-SS005-1824-01

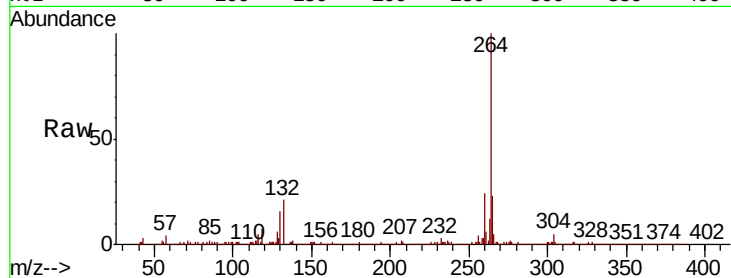
Tgt Ion: 264 Resp: 773405

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.0

265 22.9 16.9 25.3

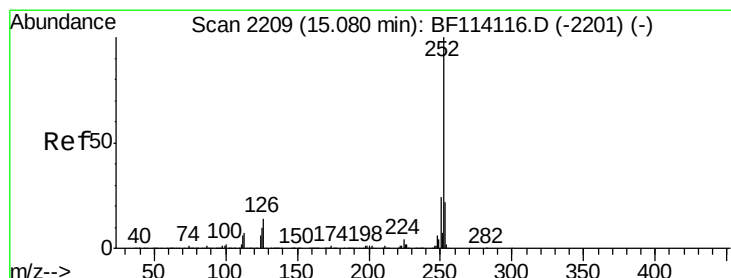
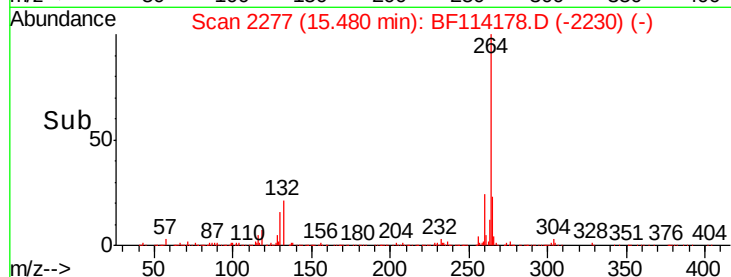
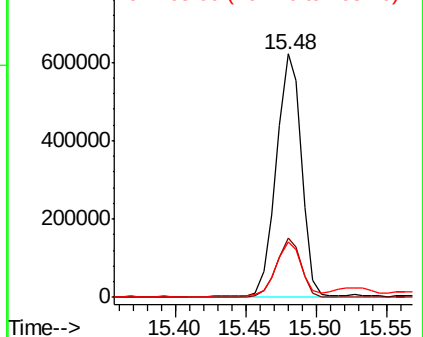


Abundance

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: 25.736 ng

RT: 15.06 min Scan# 2205

Delta R.T. -0.02 min

Lab File: BF114178.D

Acq: 12 May 2019 2:38

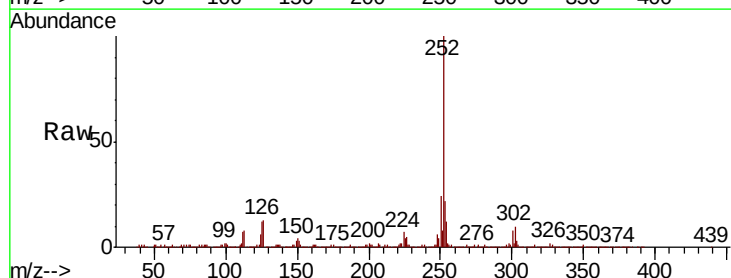
Tgt Ion: 252 Resp: 1275173

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

125 12.4 8.3 12.5

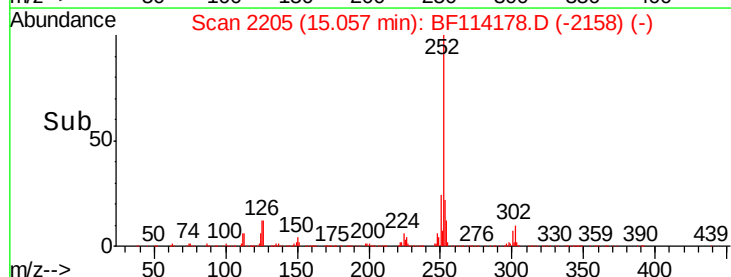
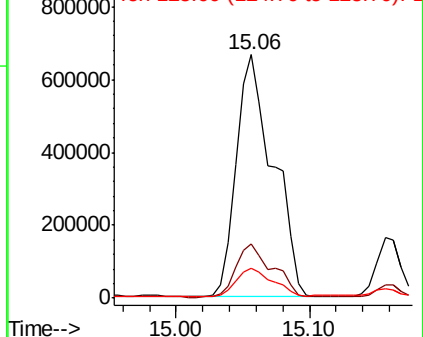


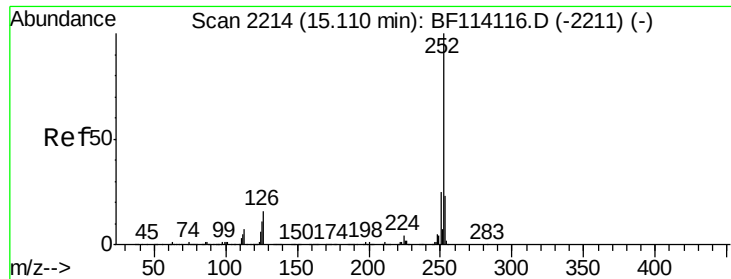
Abundance

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

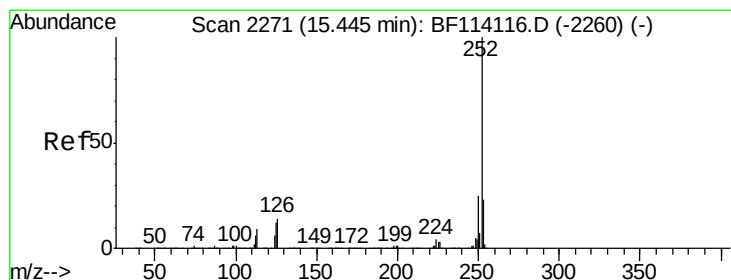
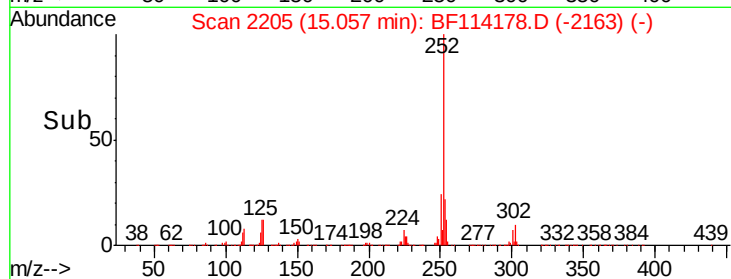
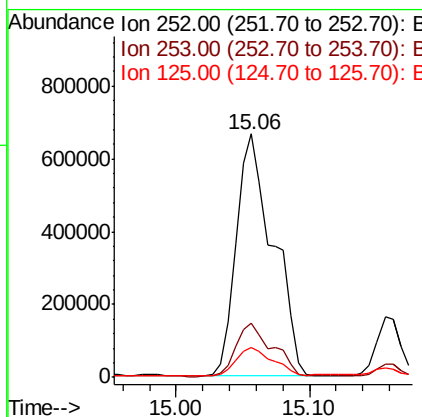
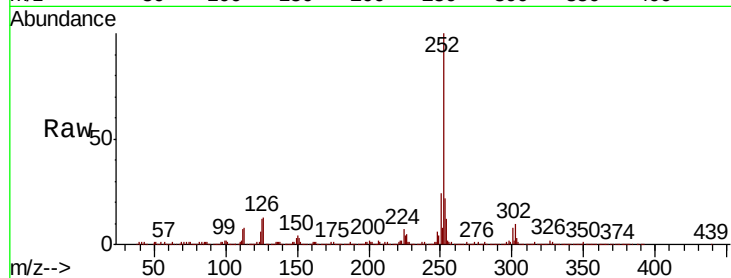




#89
Benzo(k)fluoranthene
Concen: 28.016 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.05 min
Lab File: BF114178.D
Acq: 12 May 2019 2:38

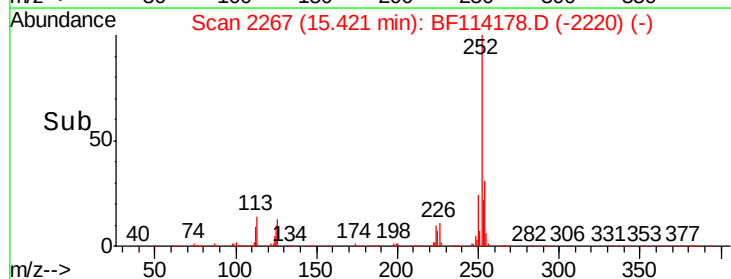
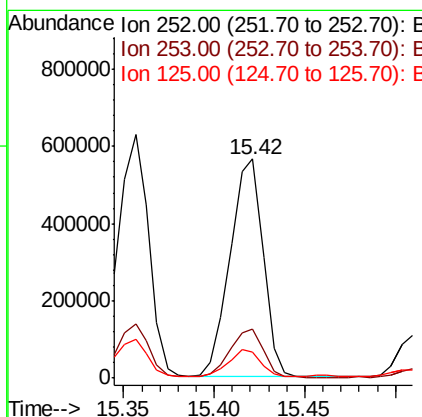
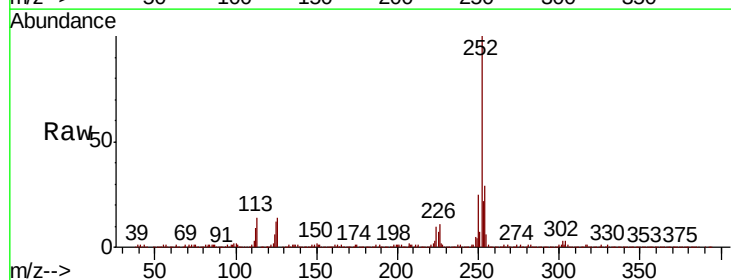
Instrument :
BNA_F
ClientSampleId :
P026-SS005-1824-01

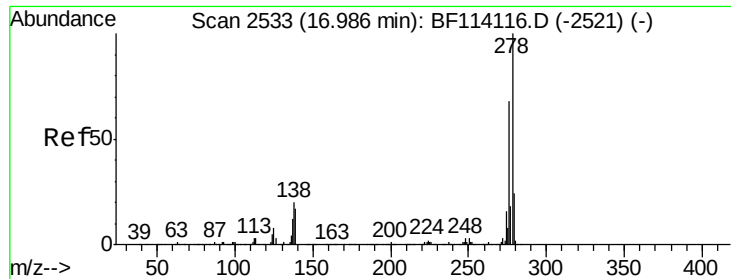
Tgt Ion:252 Resp: 1275173
Ion Ratio Lower Upper
252 100
253 22.0 18.2 27.2
125 12.4 8.6 13.0



#90
Benzo(a)pyrene
Concen: 16.508 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF114178.D
Acq: 12 May 2019 2:38

Tgt Ion:252 Resp: 719866
Ion Ratio Lower Upper
252 100
253 22.2 18.1 27.1
125 11.8 9.5 14.3





#91

Dibenzo(a,h)anthracene

Concen: 2.163 ng

RT: 17.12 min Scan# 2555

Delta R.T. 0.13 min

Lab File: BF114178.D

Acq: 12 May 2019 2:38

Instrument :

BNA_F

ClientSampleId :

P026-SS005-1824-01

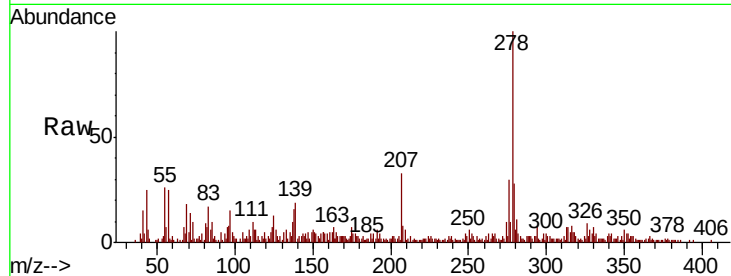
Tgt Ion: 278 Resp: 78377

Ion Ratio Lower Upper

278 100

139 18.6 13.5 20.3

279 28.0 19.0 28.6

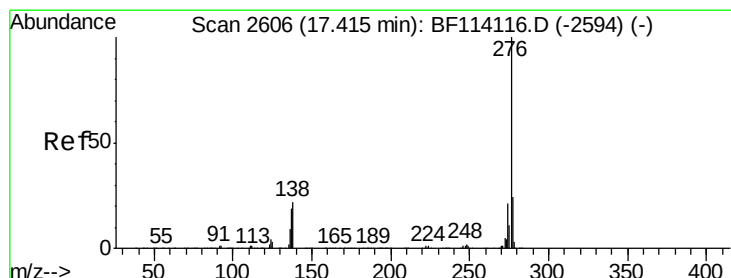
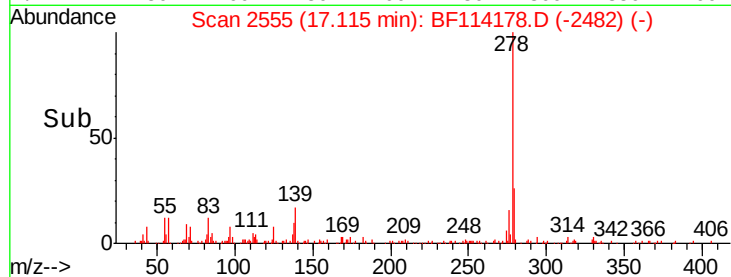
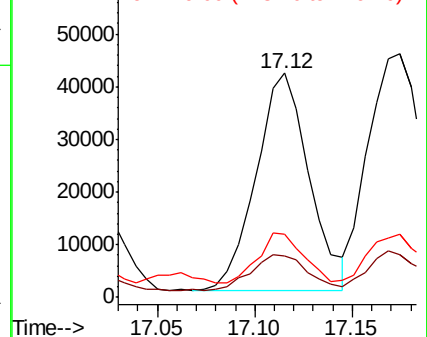


Abundance

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: 15.112 ng

RT: 17.39 min Scan# 2602

Delta R.T. -0.02 min

Lab File: BF114178.D

Acq: 12 May 2019 2:38

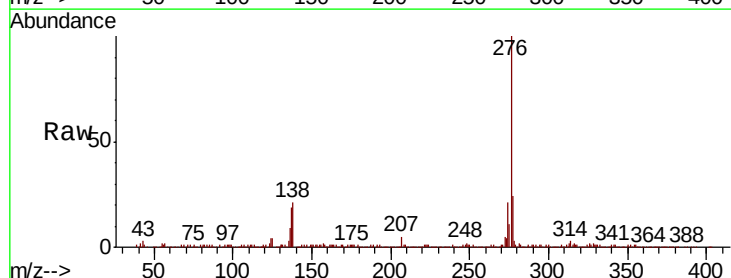
Tgt Ion: 276 Resp: 548762

Ion Ratio Lower Upper

276 100

277 23.8 19.0 28.4

138 21.5 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

