

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051219\
 Data File : BF114204.D
 Acq On : 12 May 2019 20:24
 Operator : JU/SJ
 Sample : K2766-20 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS009-0612-01

Quant Time: May 13 07:48:38 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	262010	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	996857	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	452930	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	814305	20.00	ng	0.00
76) Chrysene-d12	14.01	240	565308	20.00	ng	-0.01
87) Perylene-d12	15.48	264	608036	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	423857	26.03	ng	0.00
7) Phenol-d6	6.49	99	569091	29.55	ng	0.00
23) Nitrobenzene-d5	7.41	82	319410	17.98	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	115836	24.74	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	588071	19.64	ng	0.00
79) Terphenyl-d14	12.95	244	466126	17.00	ng	0.00

Target Compounds

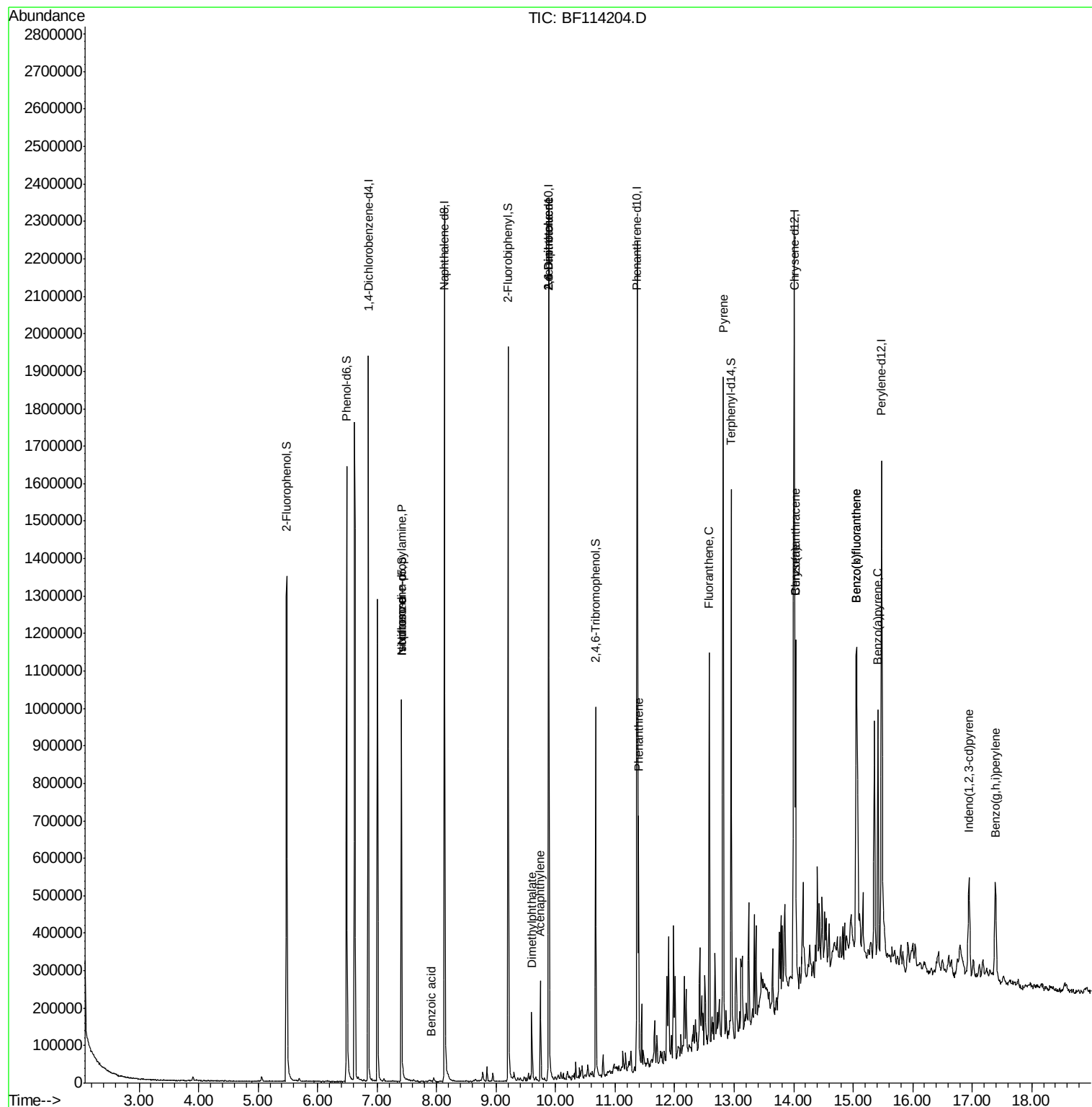
						Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	40758	3.339	ng	# 74
25) Isophorone	7.41	82	319408	9.696	ng	# 64
32) Benzoic acid	7.92	122	124	7.031	ng	# 1
49) Acenaphthylene	9.75	152	109797	2.451	ng	97
50) Dimethylphthalate	9.60	163	72881	2.192	ng	# 99
51) 2,6-Dinitrotoluene	9.89	165	59093	8.013	ng	# 22
57) 2,4-Dinitrotoluene	9.89	165	59475	5.942	ng	# 25
71) Phenanthrene	11.39	178	223132	5.632	ng	97
75) Fluoranthene	12.58	202	422051	9.893	ng	95
78) Pyrene	12.82	202	749162	16.474	ng	98
81) Benzo(a)anthracene	14.03	228	349495	9.558	ng	98
83) Chrysene	14.03	228	349495	9.751	ng	97
86) Indeno(1,2,3-cd)pyrene	16.94	276	181410	5.727	ng	95
88) Benzo(b)fluoranthene	15.06	252	514305	13.203	ng	# 98
89) Benzo(k)fluoranthene	15.06	252	514305	14.373	ng	98
90) Benzo(a)pyrene	15.42	252	250949	7.320	ng	99
92) Benzo(g,h,i)perylene	17.39	276	208639	7.308	ng	98

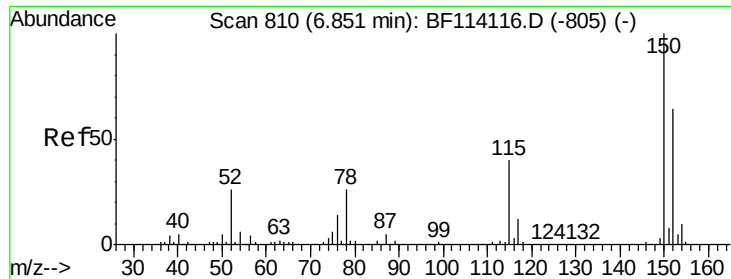
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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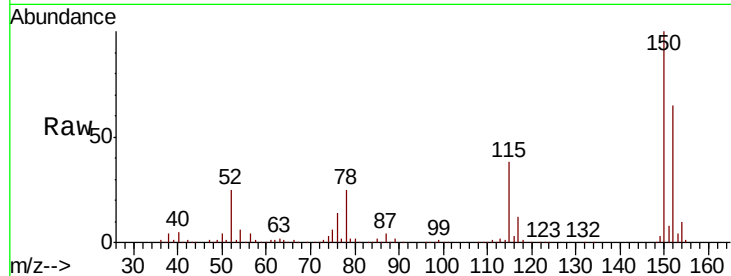


#1

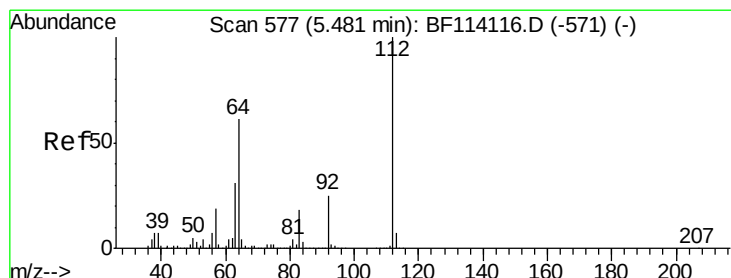
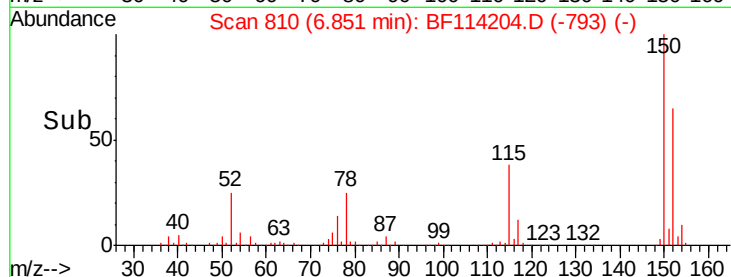
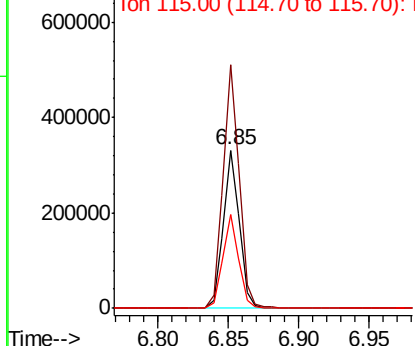
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF114204.D
Acq: 12 May 2019 20:24

Instrument :
BNA_F
ClientSampleId :
P026-SS009-0612-01

Tgt Ion:152 Resp: 262010
Ion Ratio Lower Upper
152 100
150 154.2 124.3 186.5
115 59.2 49.1 73.7



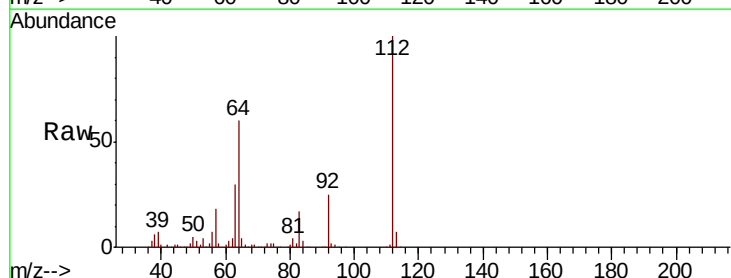
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



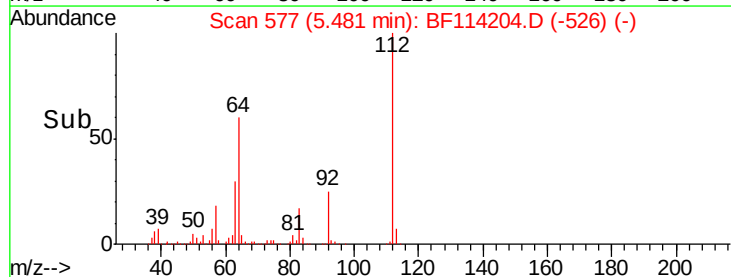
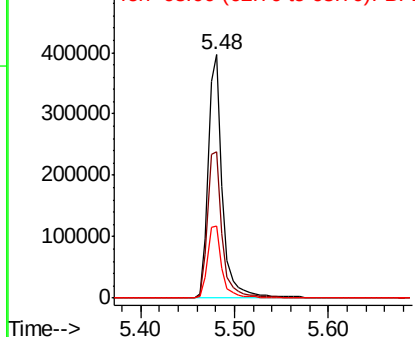
#5

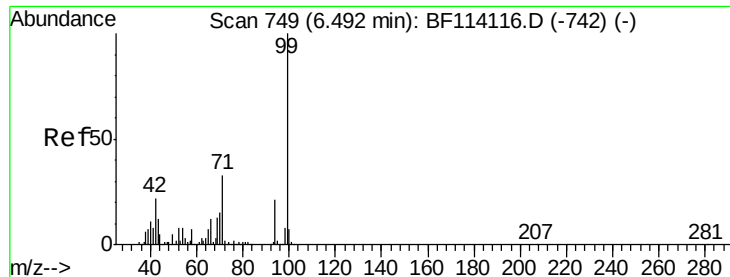
2-Fluorophenol
Concen: 26.033 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF114204.D
Acq: 12 May 2019 20:24

Tgt Ion:112 Resp: 423857
Ion Ratio Lower Upper
112 100
64 60.1 49.0 73.6
63 29.5 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: 29.553 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF114204.D

Acq: 12 May 2019 20:24

Instrument :

BNA_F

ClientSampleId :

P026-SS009-0612-01

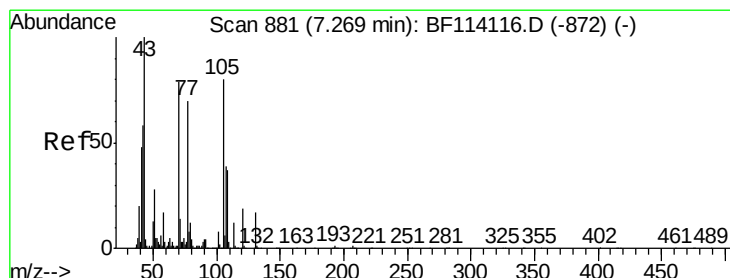
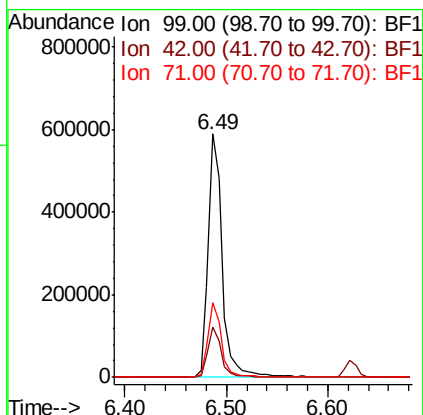
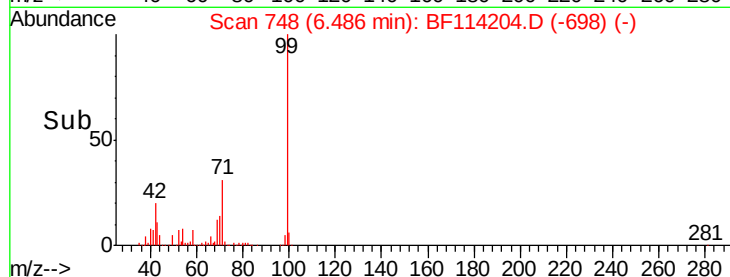
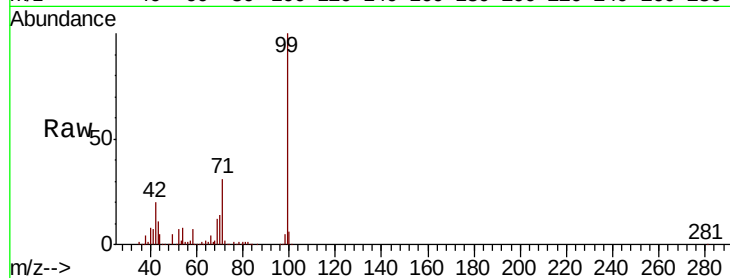
Tgt Ion: 99 Resp: 569091

Ion Ratio Lower Upper

99 100

42 20.5 17.9 26.9

71 30.8 26.2 39.2



#19

n-Nitroso-di-n-propylamine

Concen: 3.339 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF114204.D

Acq: 12 May 2019 20:24

Tgt Ion: 70 Resp: 40758

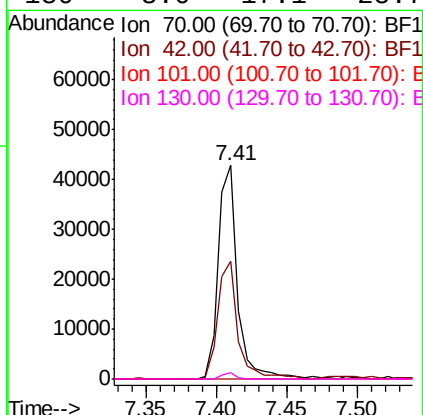
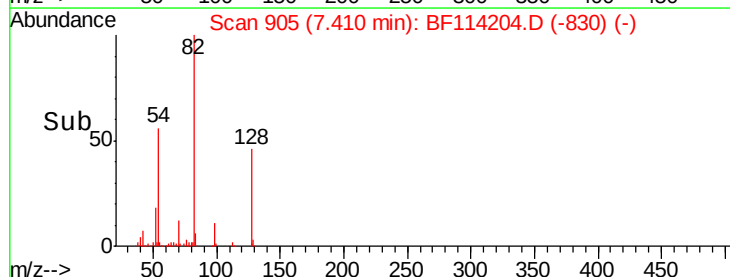
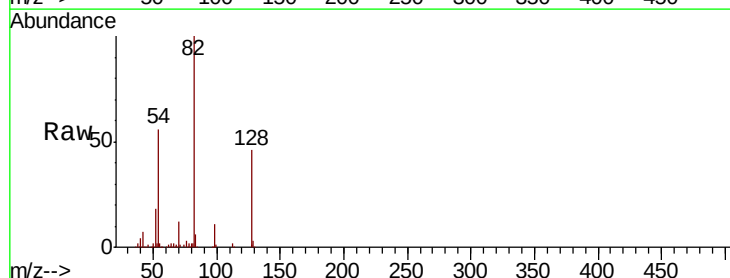
Ion Ratio Lower Upper

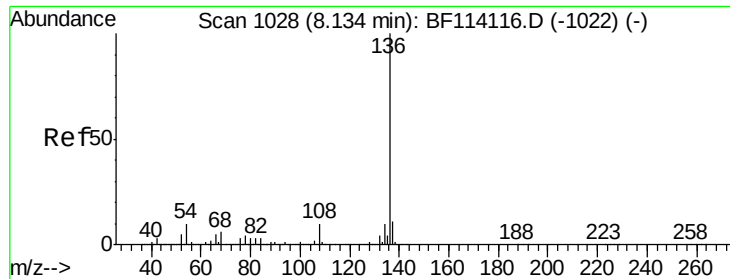
70 100

42 55.1 58.6 87.8#

101 0.0 7.8 11.8#

130 3.0 17.1 25.7#

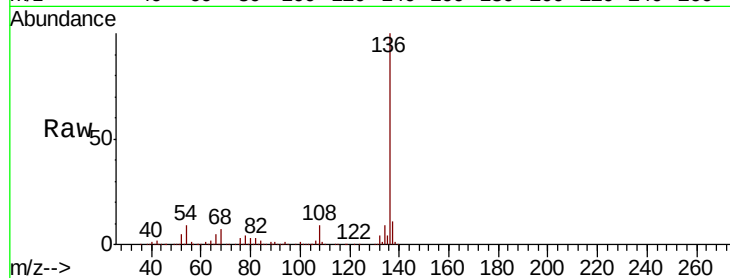




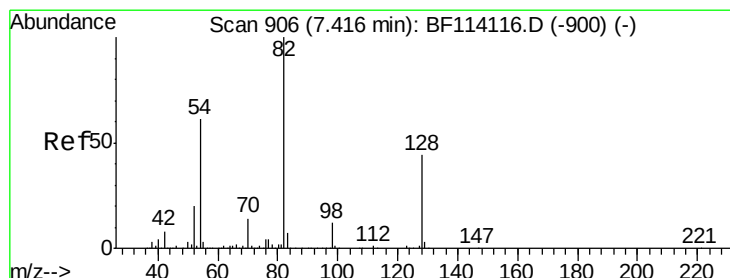
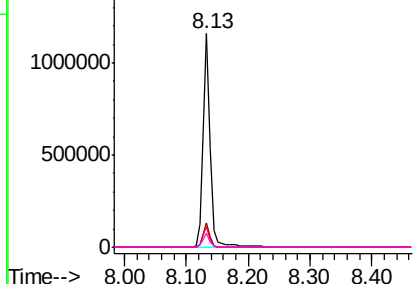
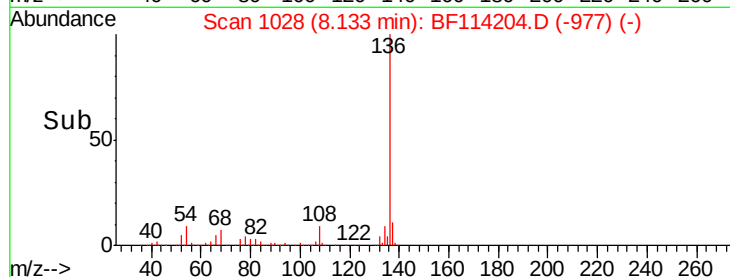
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BF114204.D
Acq: 12 May 2019 20:24

Instrument :
BNA_F
ClientSampleId :
P026-SS009-0612-01

Tgt Ion:	136	Resp:	996857
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	9.4	7.8	11.8
68	6.5	5.1	7.7

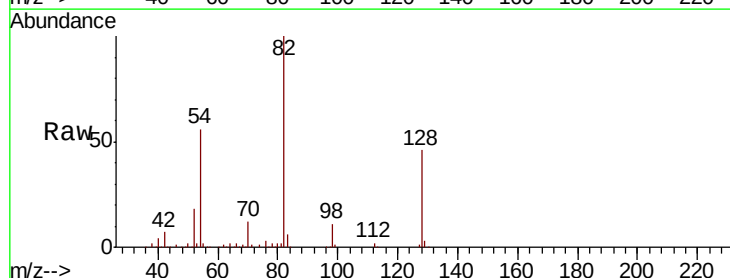


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

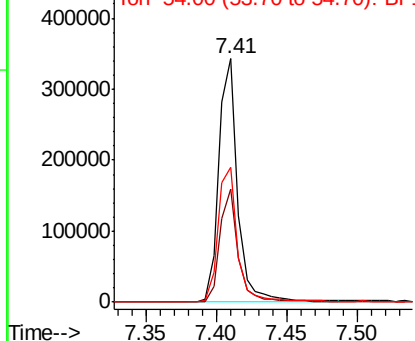
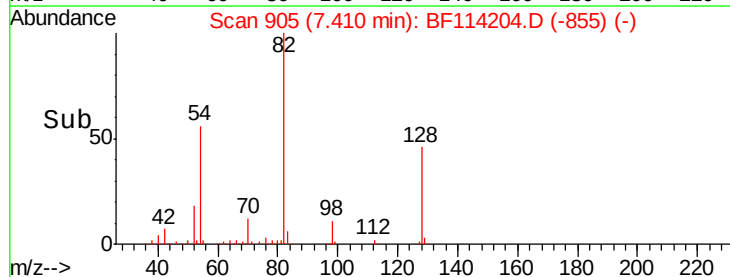


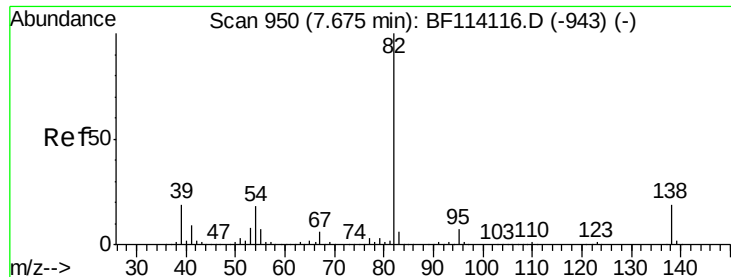
#23
Nitrobenzene-d5
Concen: 17.982 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114204.D
Acq: 12 May 2019 20:24

Tgt Ion:	82	Resp:	319410
Ion	Ratio	Lower	Upper
82	100		
128	46.4	35.5	53.3
54	55.5	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: 9.696 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF114204.D

Acq: 12 May 2019 20:24

Instrument :

BNA_F

ClientSampleId :

P026-SS009-0612-01

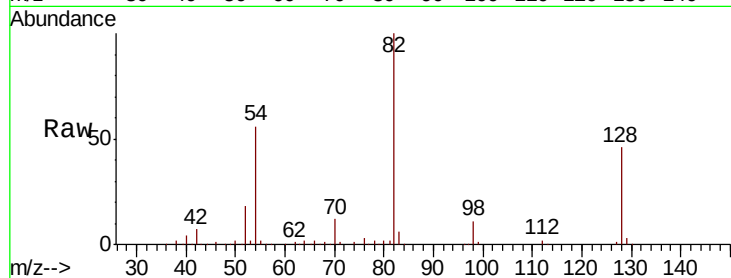
Tgt Ion: 82 Resp: 319408

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

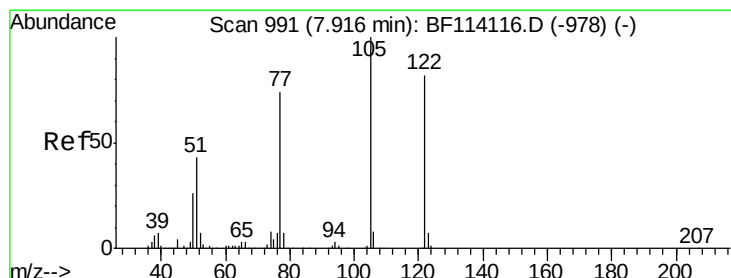
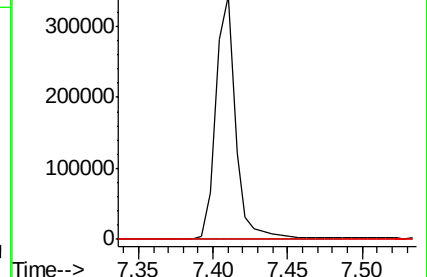
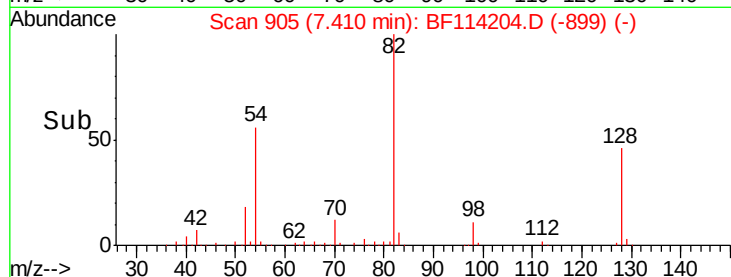
138 0.0 14.8 22.2#



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: 7.031 ng

RT: 7.92 min Scan# 992

Delta R.T. 0.01 min

Lab File: BF114204.D

Acq: 12 May 2019 20:24

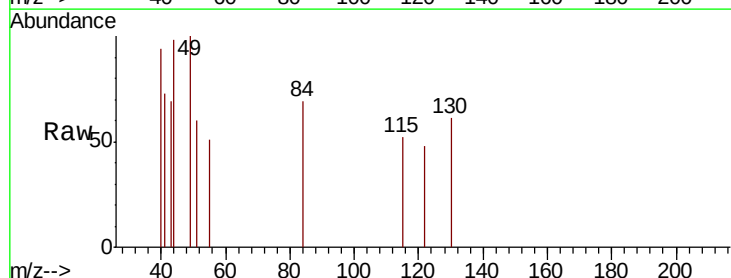
Tgt Ion: 122 Resp: 124

Ion Ratio Lower Upper

122 100

105 0.0 99.9 139.9#

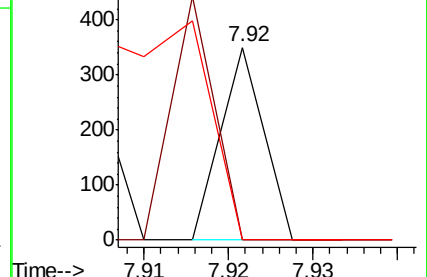
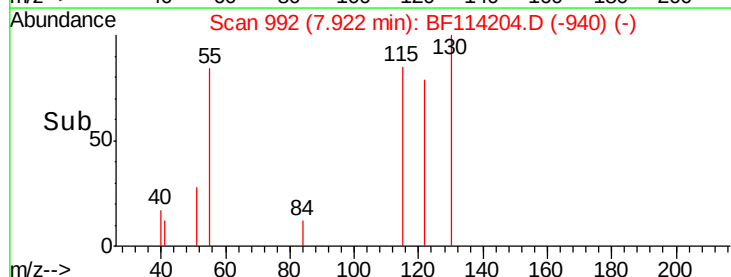
77 0.0 69.4 109.4#

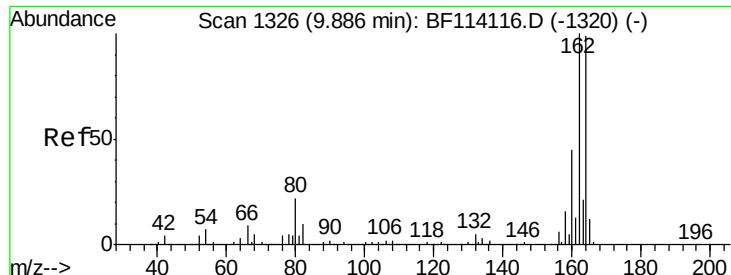


Abundance Ion 122.00 (121.70 to 122.70): E

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: BF114204.D

Acq: 12 May 2019 20:24

Instrument :

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ClientSampleId :

P026-SS009-0612-01

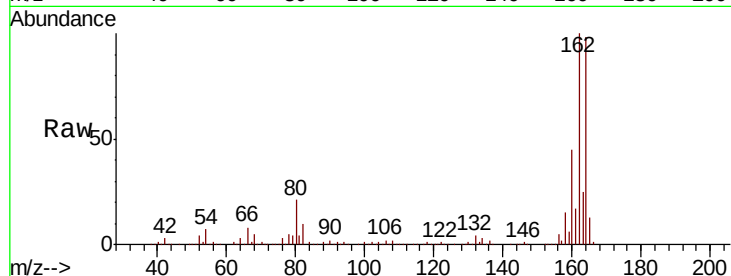
Tgt Ion:164 Resp: 452930

Ion Ratio Lower Upper

164 100

162 102.4 80.6 120.8

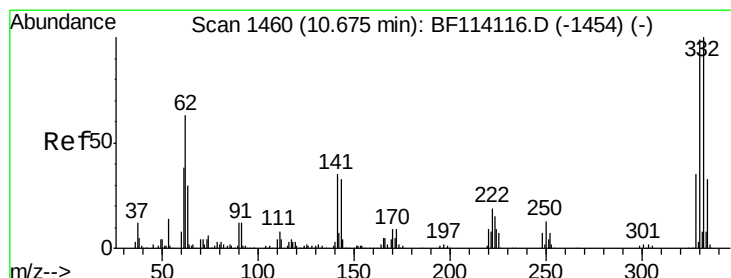
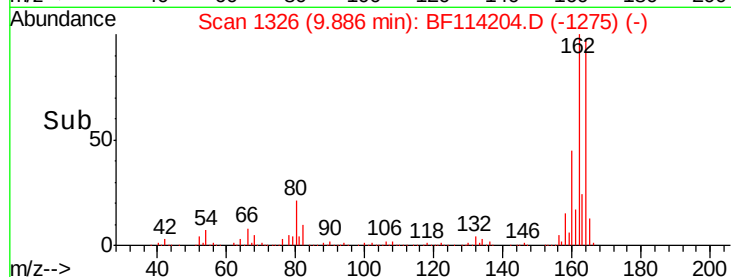
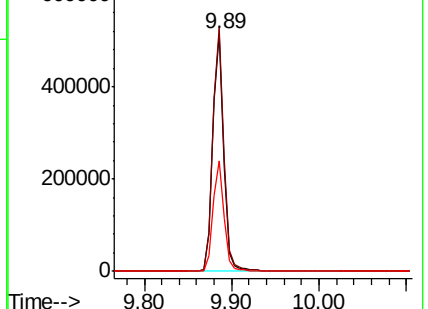
160 46.5 36.5 54.7



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: 24.738 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF114204.D

Acq: 12 May 2019 20:24

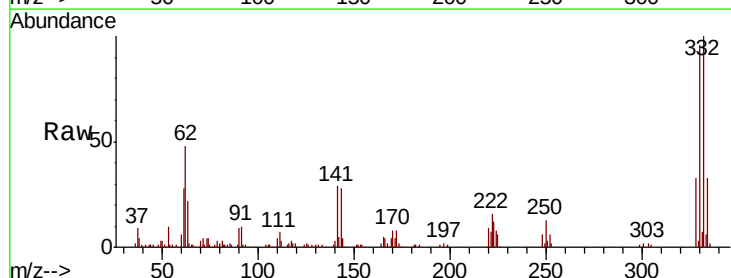
Tgt Ion:330 Resp: 115836

Ion Ratio Lower Upper

330 100

332 104.4 81.4 122.2

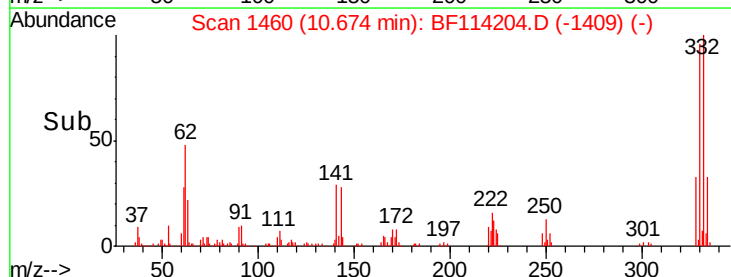
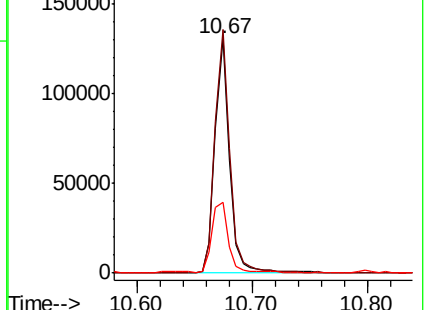
141 33.6 26.6 40.0

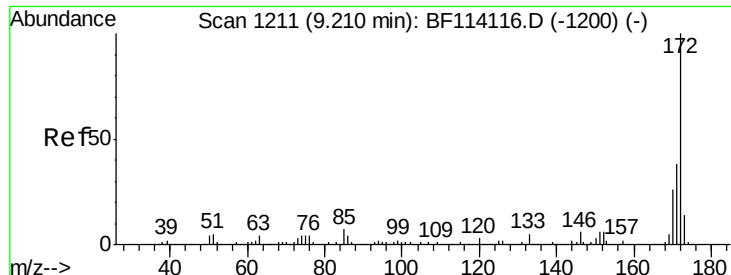


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

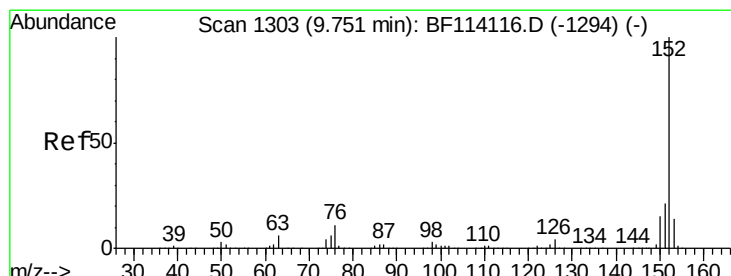
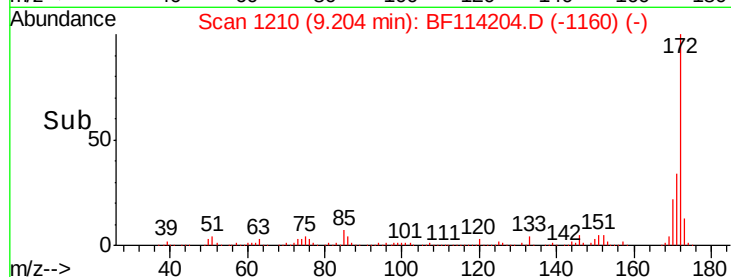
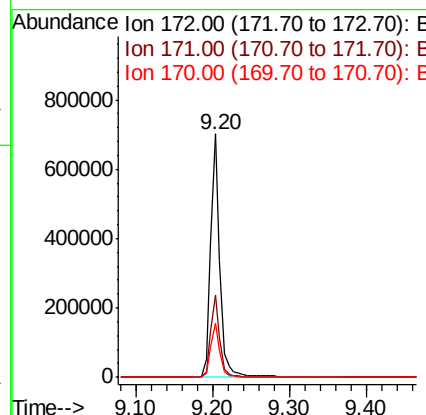
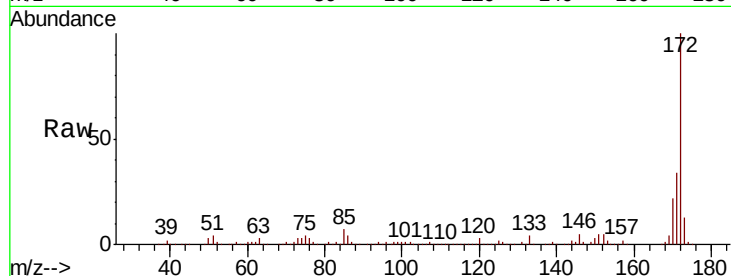




#45
2-Fluorobiphenyl
Concen: 19.640 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF114204.D
Acq: 12 May 2019 20:24

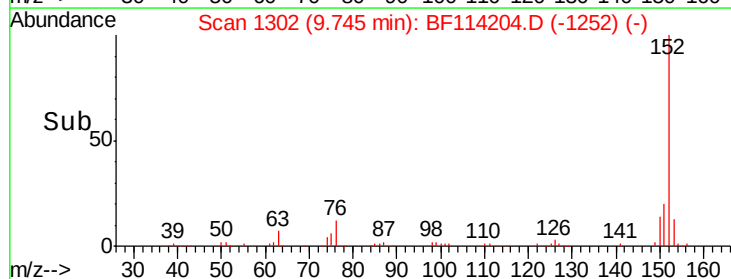
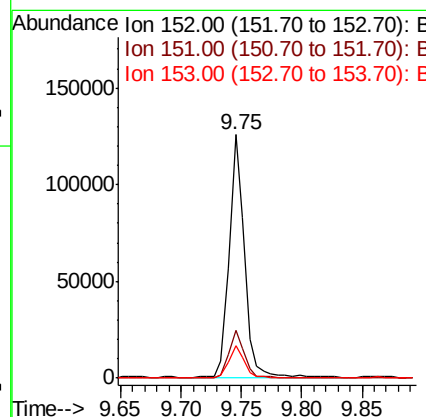
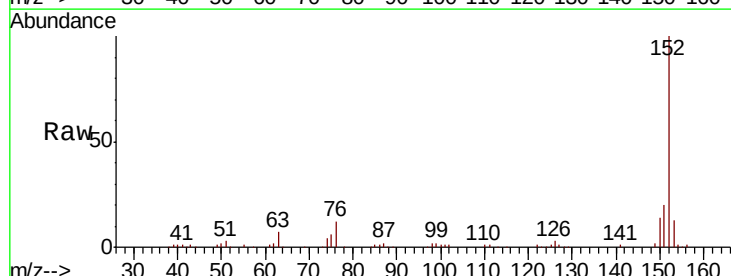
Instrument :
BNA_F
ClientSampleId :
P026-SS009-0612-01

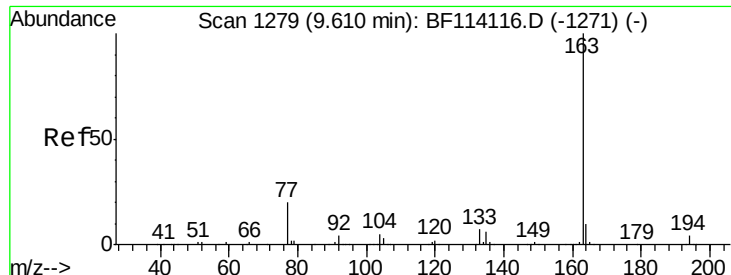
Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.8	30.7	46.1
170	22.4	20.5	30.7



#49
Acenaphthylene
Concen: 2.451 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF114204.D
Acq: 12 May 2019 20:24

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.8	25.2
153	13.1	11.4	17.2

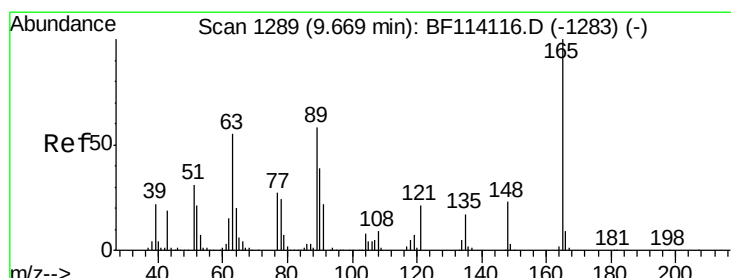
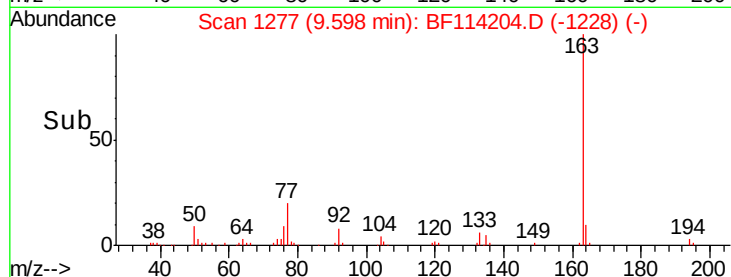
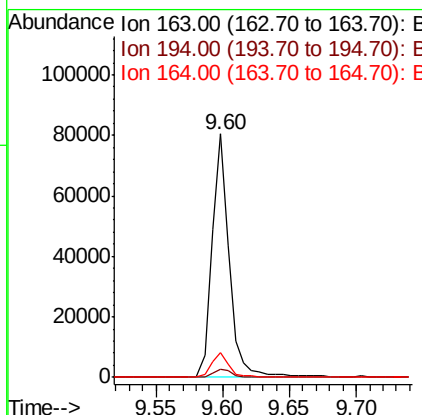
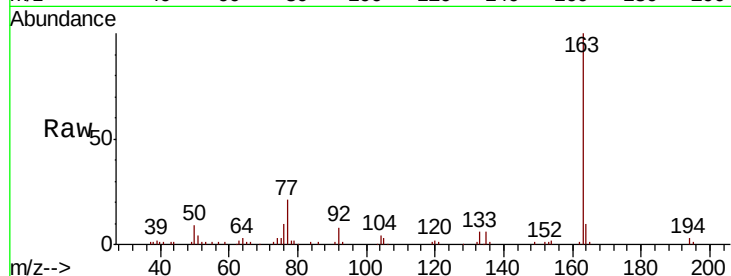




#50
 Dimethylphthalate
 Concen: 2.192 ng
 RT: 9.60 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: BF114204.D
 Acq: 12 May 2019 20:24

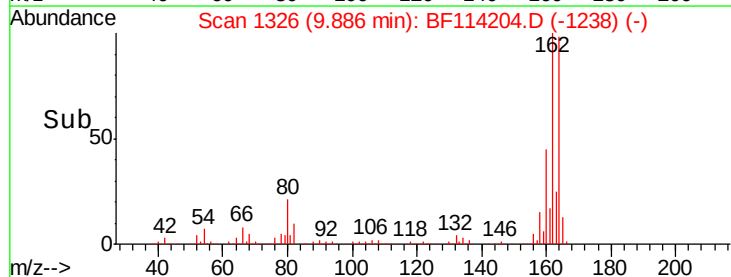
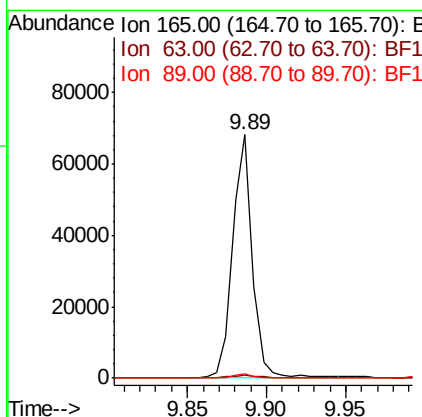
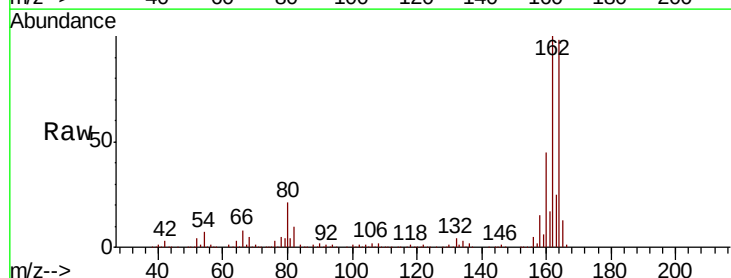
Instrument :
 BNA_F
 ClientSampleId :
 P026-SS009-0612-01

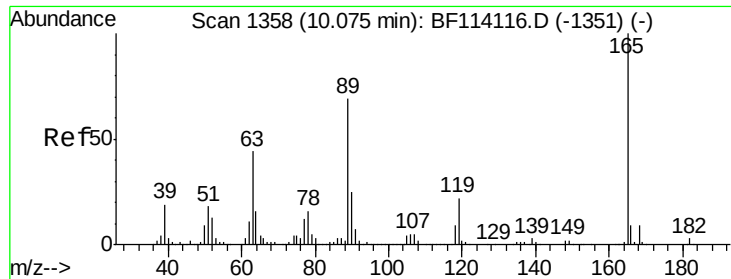
Tgt Ion:163 Resp: 72881
 Ion Ratio Lower Upper
 163 100
 194 3.3 3.4 5.0#
 164 10.1 8.2 12.2



#51
 2,6-Dinitrotoluene
 Concen: 8.013 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.22 min
 Lab File: BF114204.D
 Acq: 12 May 2019 20:24

Tgt Ion:165 Resp: 59093
 Ion Ratio Lower Upper
 165 100
 63 1.0 50.2 75.4#
 89 1.5 46.6 69.8#

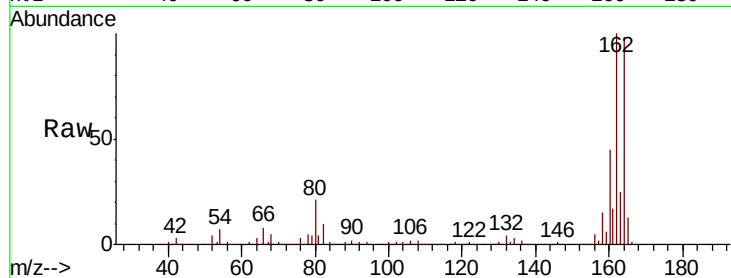




#57
2,4-Dinitrotoluene
Concen: 5.942 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.19 min
Lab File: BF114204.D
Acq: 12 May 2019 20:24

Instrument :
BNA_F
ClientSampleId :
P026-SS009-0612-01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	35.5	53.3#
89	1.5	55.2	82.8#
182	0.0	2.2	3.2#



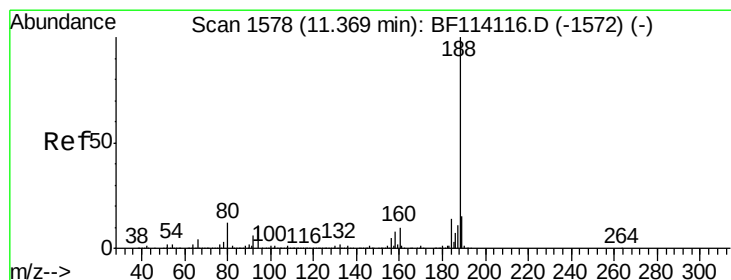
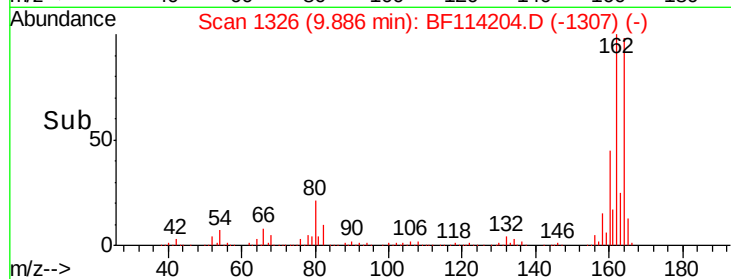
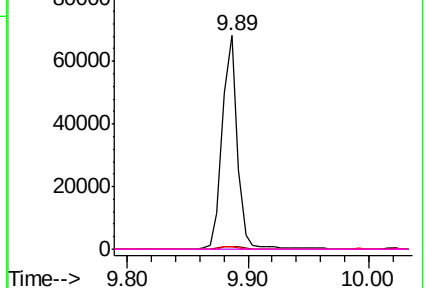
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

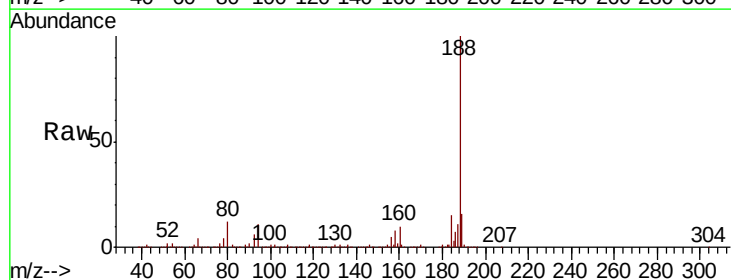
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF114204.D
Acq: 12 May 2019 20:24

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.4	12.6
80	12.0	9.2	13.8

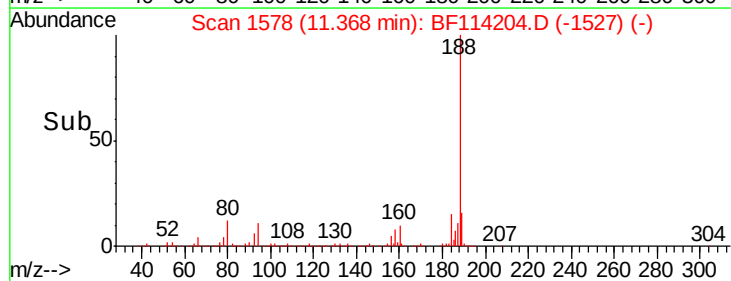
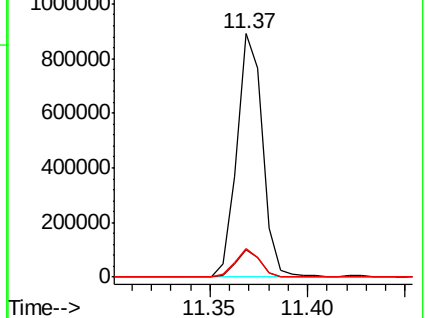


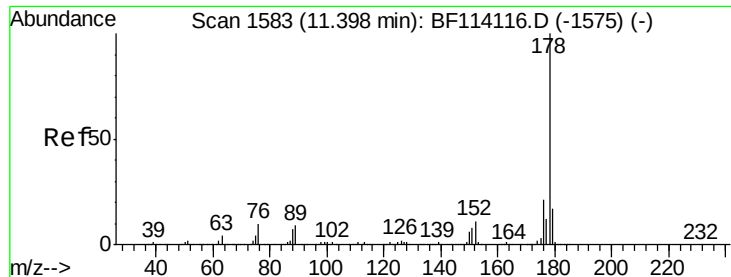
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 5.632 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF114204.D

Acq: 12 May 2019 20:24

Instrument :

BNA_F

ClientSampleId :

P026-SS009-0612-01

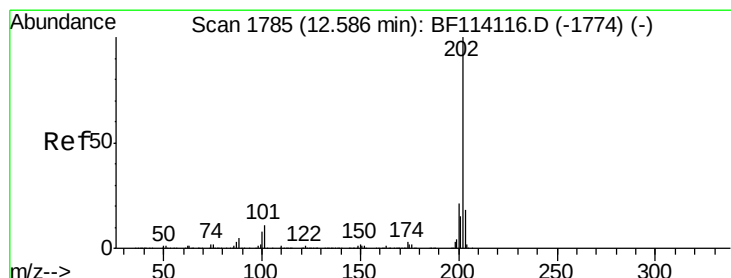
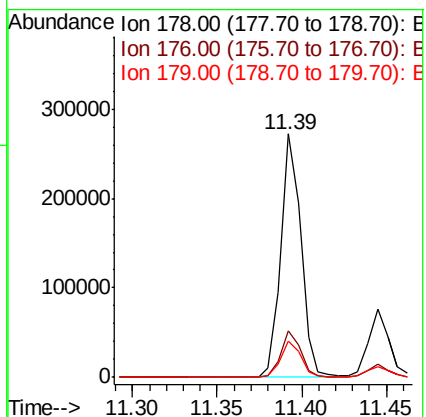
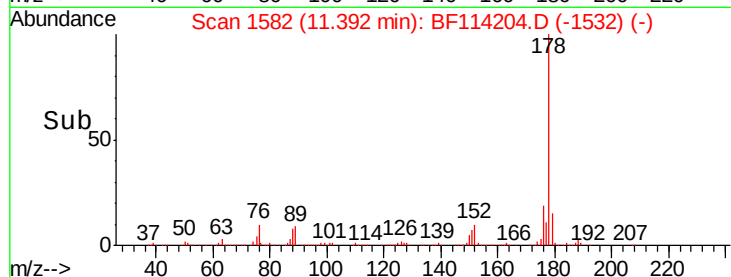
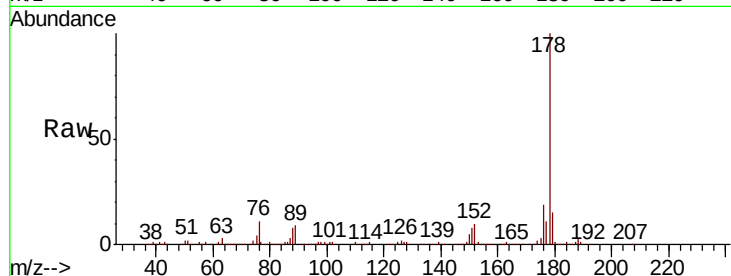
Tgt Ion:178 Resp: 223132

Ion Ratio Lower Upper

178 100

176 19.1 16.4 24.6

179 15.0 13.2 19.8



#75

Fluoranthene

Concen: 9.893 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF114204.D

Acq: 12 May 2019 20:24

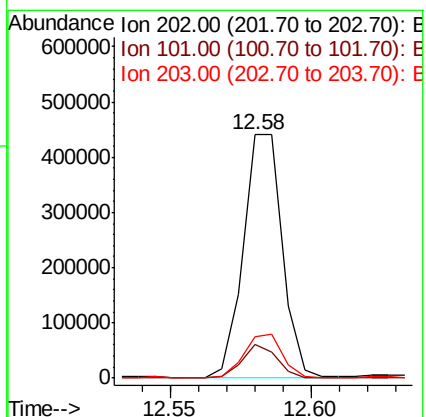
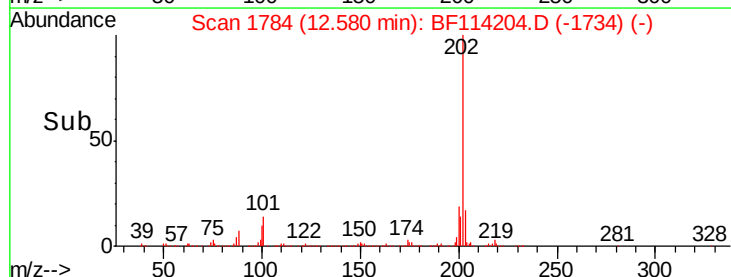
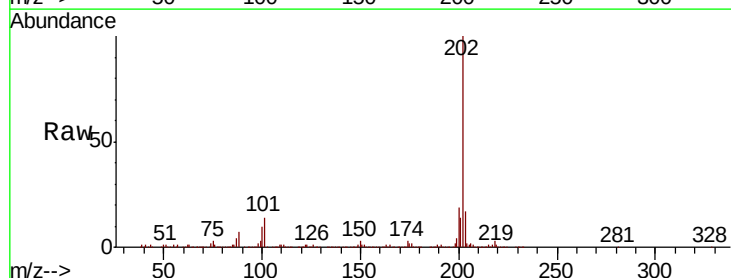
Tgt Ion:202 Resp: 422051

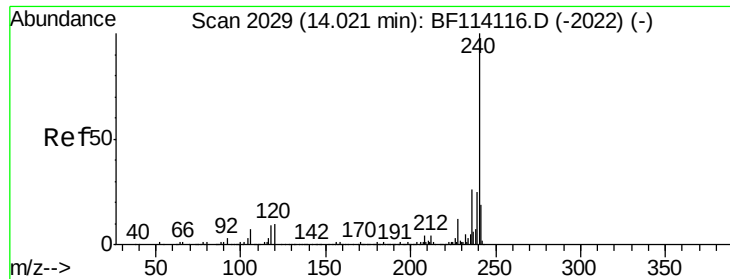
Ion Ratio Lower Upper

202 100

101 13.7 0.0 31.0

203 17.1 0.0 38.4

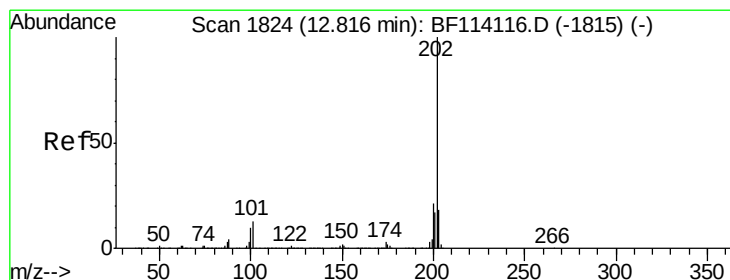
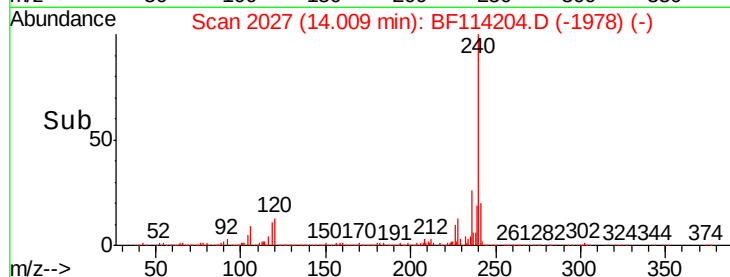
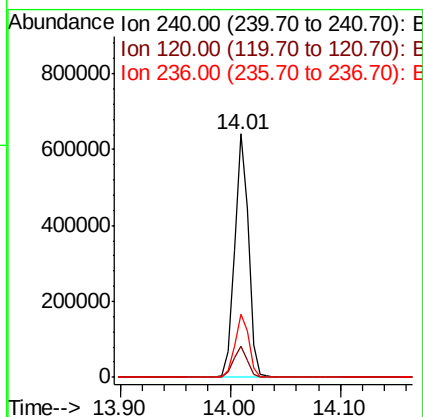
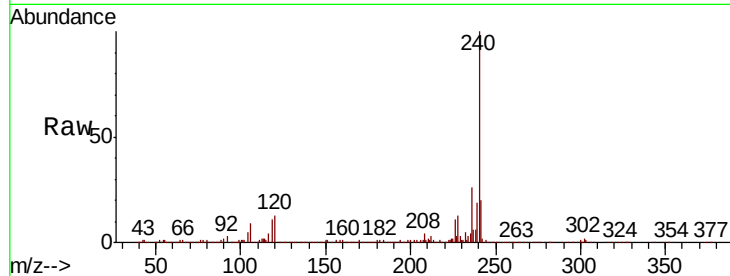




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF114204.D
Acq: 12 May 2019 20:24

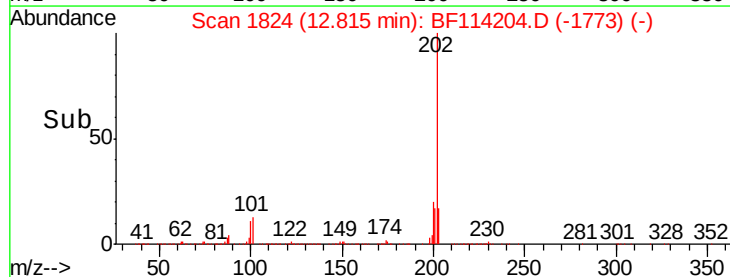
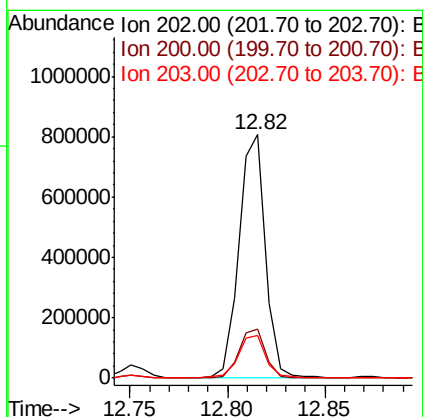
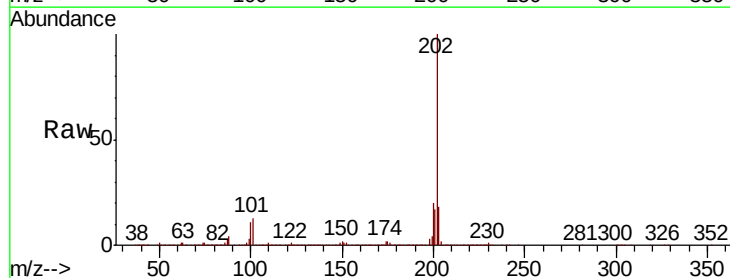
Instrument :
BNA_F
ClientSampleId :
P026-SS009-0612-01

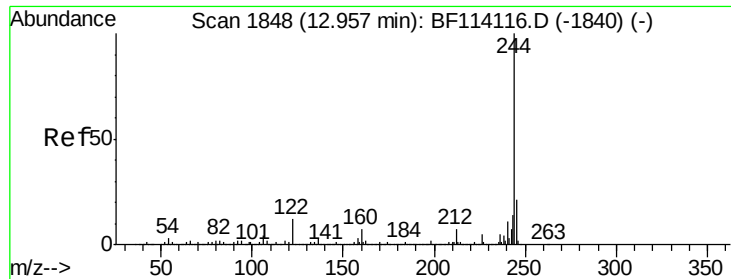
Tgt Ion:240 Resp: 565308
Ion Ratio Lower Upper
240 100
120 13.0 8.3 12.5#
236 25.8 20.8 31.2



#78
Pyrene
Concen: 16.474 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BF114204.D
Acq: 12 May 2019 20:24

Tgt Ion:202 Resp: 749162
Ion Ratio Lower Upper
202 100
200 20.1 16.9 25.3
203 17.7 14.5 21.7





#79

Terphenyl-d14

Concen: 16.998 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF114204.D

Acq: 12 May 2019 20:24

Instrument :

BNA_F

ClientSampleId :

P026-SS009-0612-01

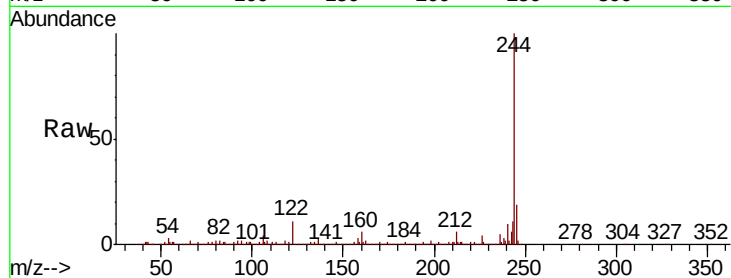
Tgt Ion:244 Resp: 466126

Ion Ratio Lower Upper

244 100

212 6.3 5.8 8.6

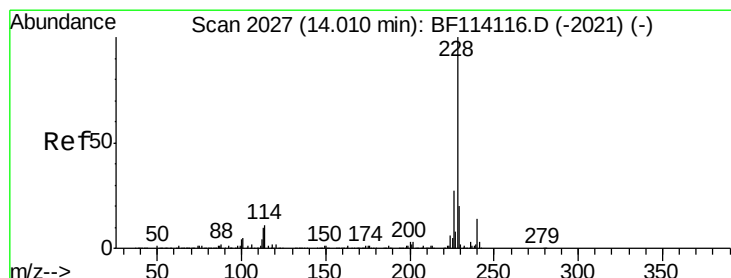
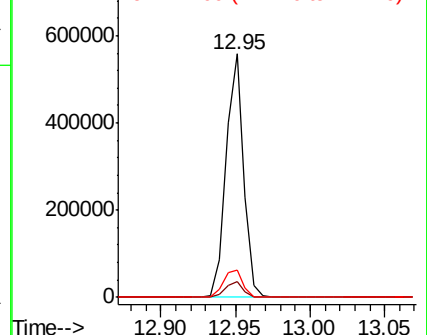
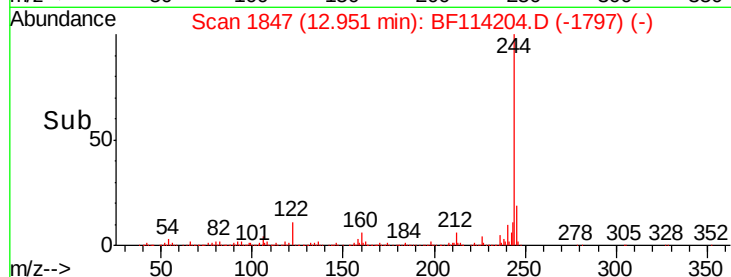
122 11.3 9.4 14.2



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: 9.558 ng

RT: 14.03 min Scan# 2031

Delta R.T. 0.02 min

Lab File: BF114204.D

Acq: 12 May 2019 20:24

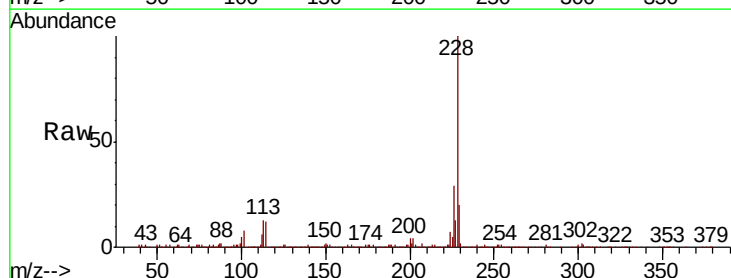
Tgt Ion:228 Resp: 349495

Ion Ratio Lower Upper

228 100

226 29.4 22.2 33.2

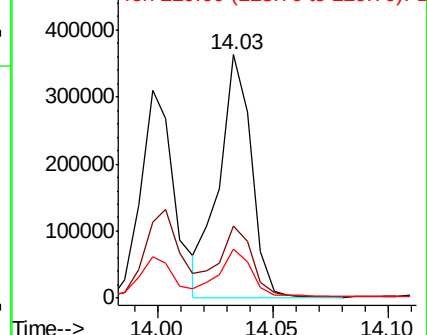
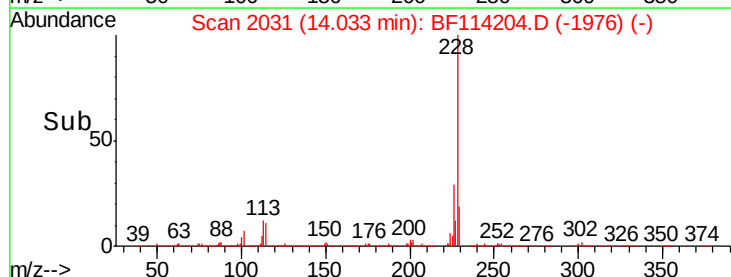
229 20.3 16.4 24.6

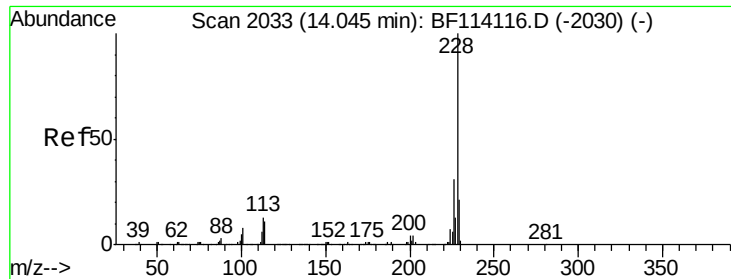


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 9.751 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF114204.D

Acq: 12 May 2019 20:24

Instrument :

BNA_F

ClientSampleId :

P026-SS009-0612-01

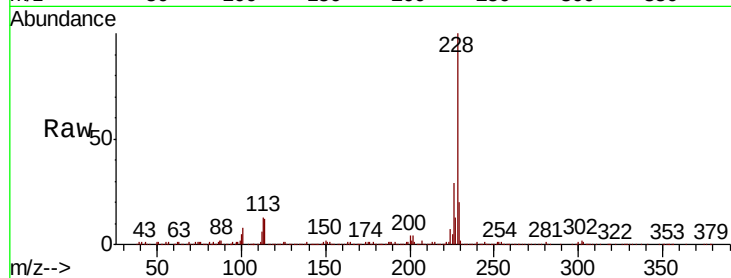
Tgt Ion: 228 Resp: 349495

Ion Ratio Lower Upper

228 100

226 29.4 25.0 37.6

229 20.3 17.0 25.6

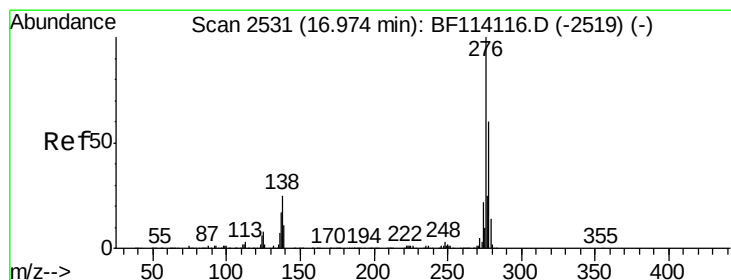
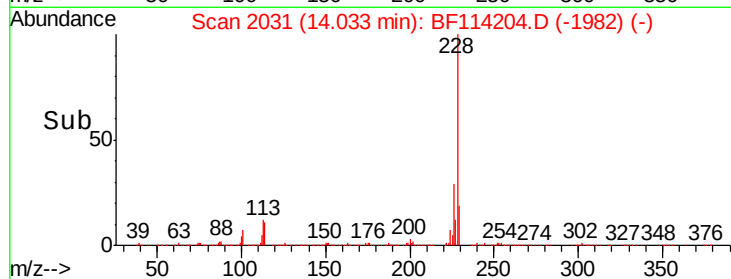
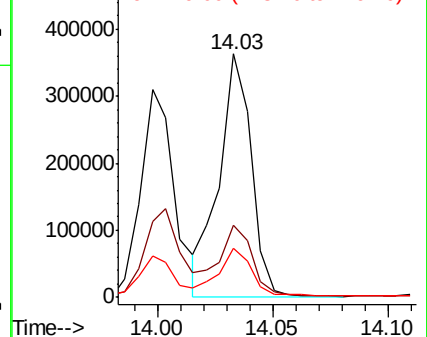


Abundance

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: 5.727 ng

RT: 16.94 min Scan# 2526

Delta R.T. -0.03 min

Lab File: BF114204.D

Acq: 12 May 2019 20:24

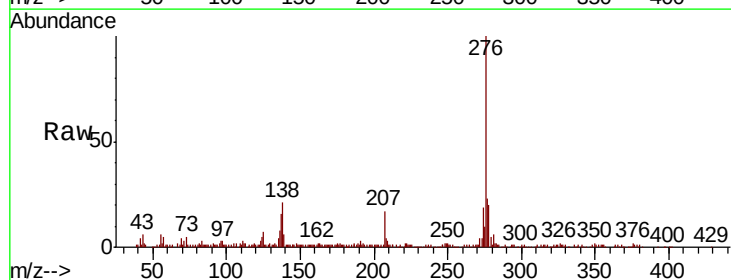
Tgt Ion: 276 Resp: 181410

Ion Ratio Lower Upper

276 100

138 22.3 20.2 30.2

277 22.9 20.0 30.0

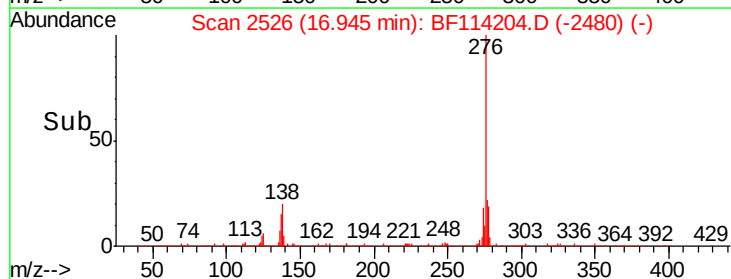
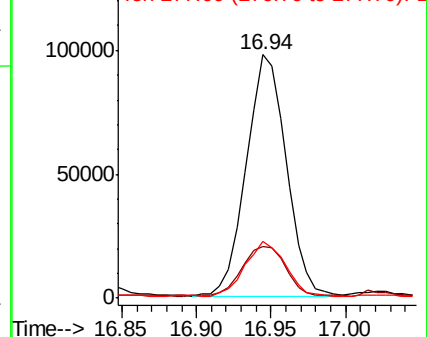


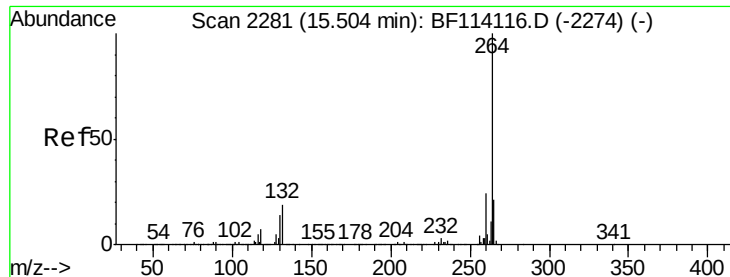
Abundance

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: BF114204.D

Acq: 12 May 2019 20:24

Instrument :

BNA_F

ClientSampleId :

P026-SS009-0612-01

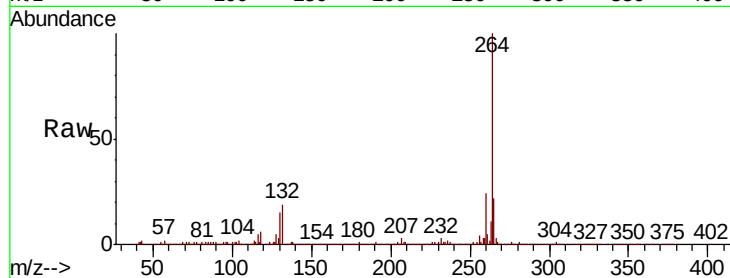
Tgt Ion: 264 Resp: 608036

Ion Ratio Lower Upper

264 100

260 23.6 19.4 29.0

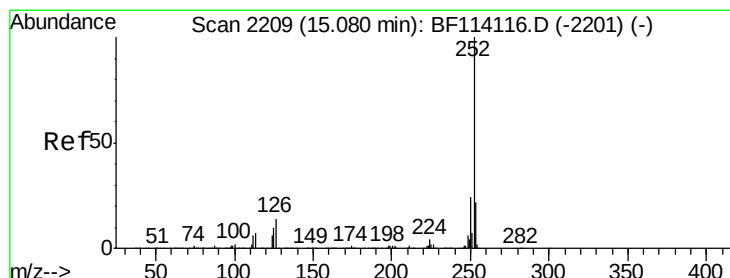
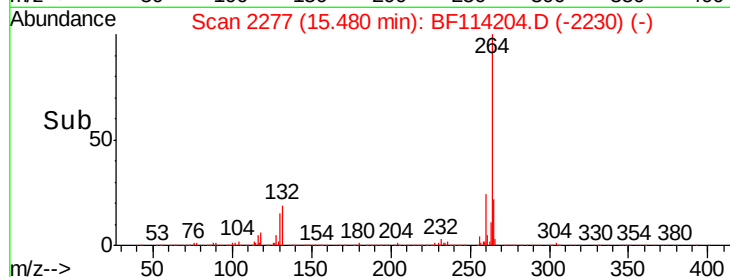
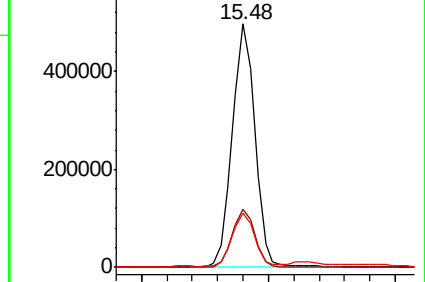
265 22.4 16.9 25.3



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: 13.203 ng

RT: 15.06 min Scan# 2205

Delta R.T. -0.02 min

Lab File: BF114204.D

Acq: 12 May 2019 20:24

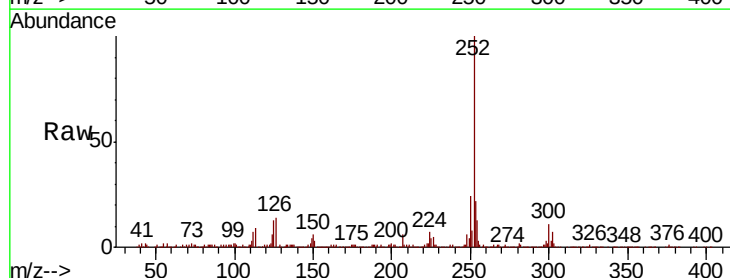
Tgt Ion: 252 Resp: 514305

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

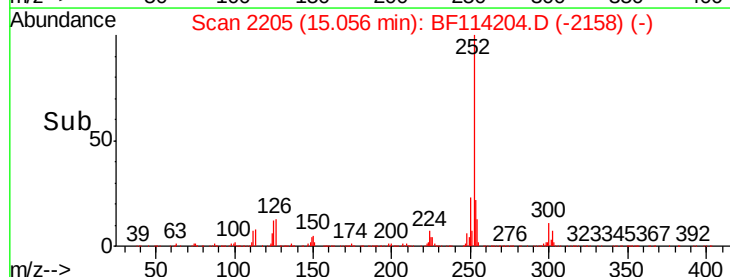
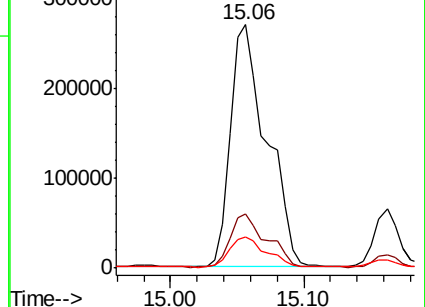
125 12.7 8.3 12.5#

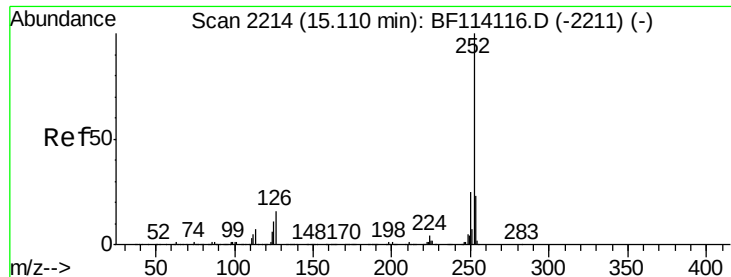


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

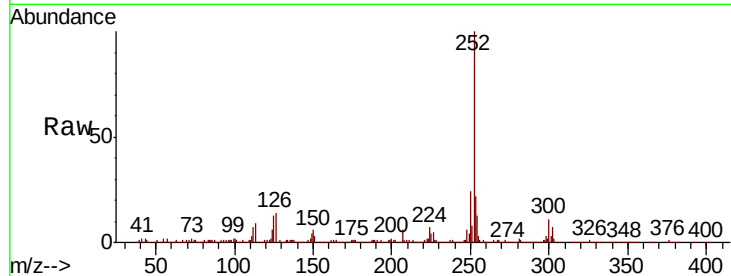




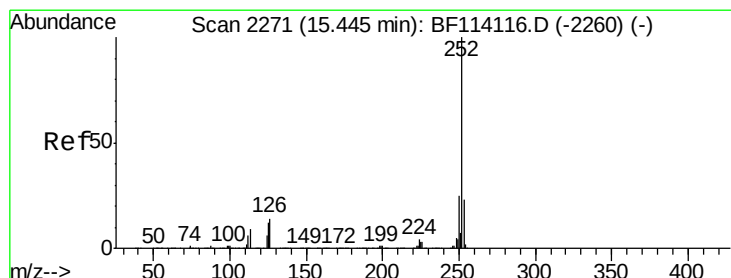
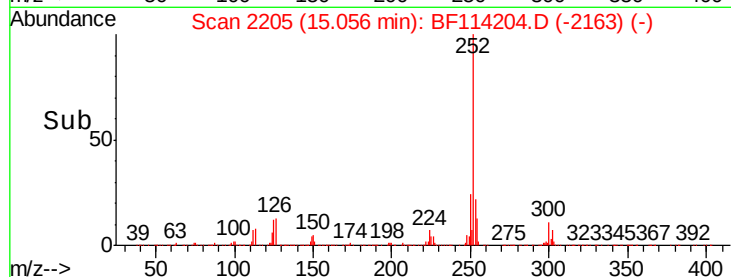
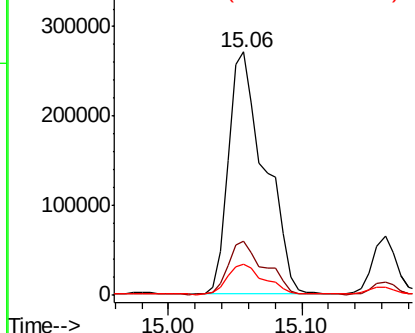
#89
Benzo(k)fluoranthene
Concen: 14.373 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.05 min
Lab File: BF114204.D
Acq: 12 May 2019 20:24

Instrument :
BNA_F
ClientSampleId :
P026-SS009-0612-01

Tgt Ion:252 Resp: 514305
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.2
125 12.7 8.6 13.0

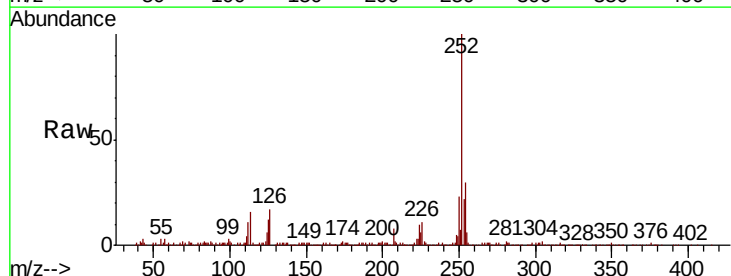


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

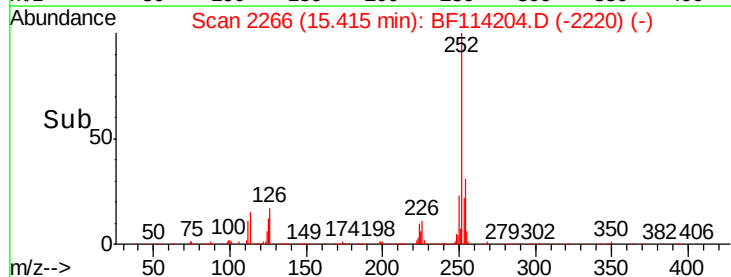
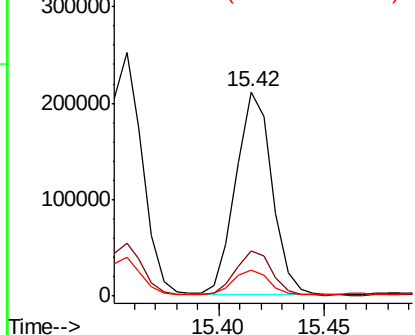


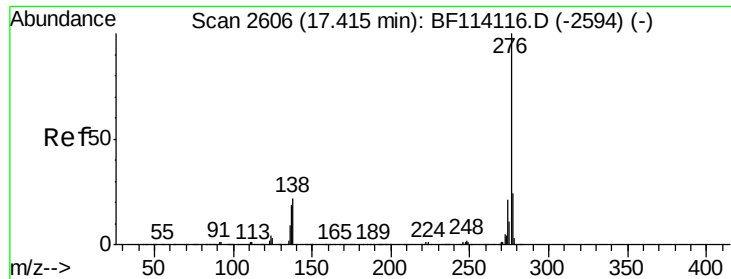
#90
Benzo(a)pyrene
Concen: 7.320 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.03 min
Lab File: BF114204.D
Acq: 12 May 2019 20:24

Tgt Ion:252 Resp: 250949
Ion Ratio Lower Upper
252 100
253 22.3 18.1 27.1
125 12.4 9.5 14.3



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#92

Benzo(g,h,i)perylene

Concen: 7.308 ng

RT: 17.39 min Scan# 2602

Delta R.T. -0.02 min

Lab File: BF114204.D

Acq: 12 May 2019 20:24

Instrument :

BNA_F

ClientSampleId :

P026-SS009-0612-01

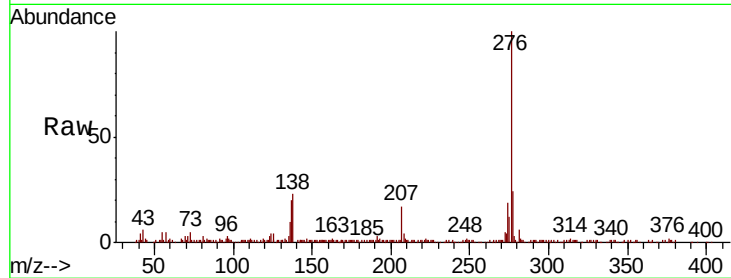
Tgt Ion: 276 Resp: 208639

Ion Ratio Lower Upper

276 100

277 24.1 19.0 28.4

138 23.5 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

