

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081319\
 Data File : BF116255.D
 Acq On : 14 Aug 2019 2:37
 Operator : HP/JU
 Sample : K4319-03 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 14 05:30:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

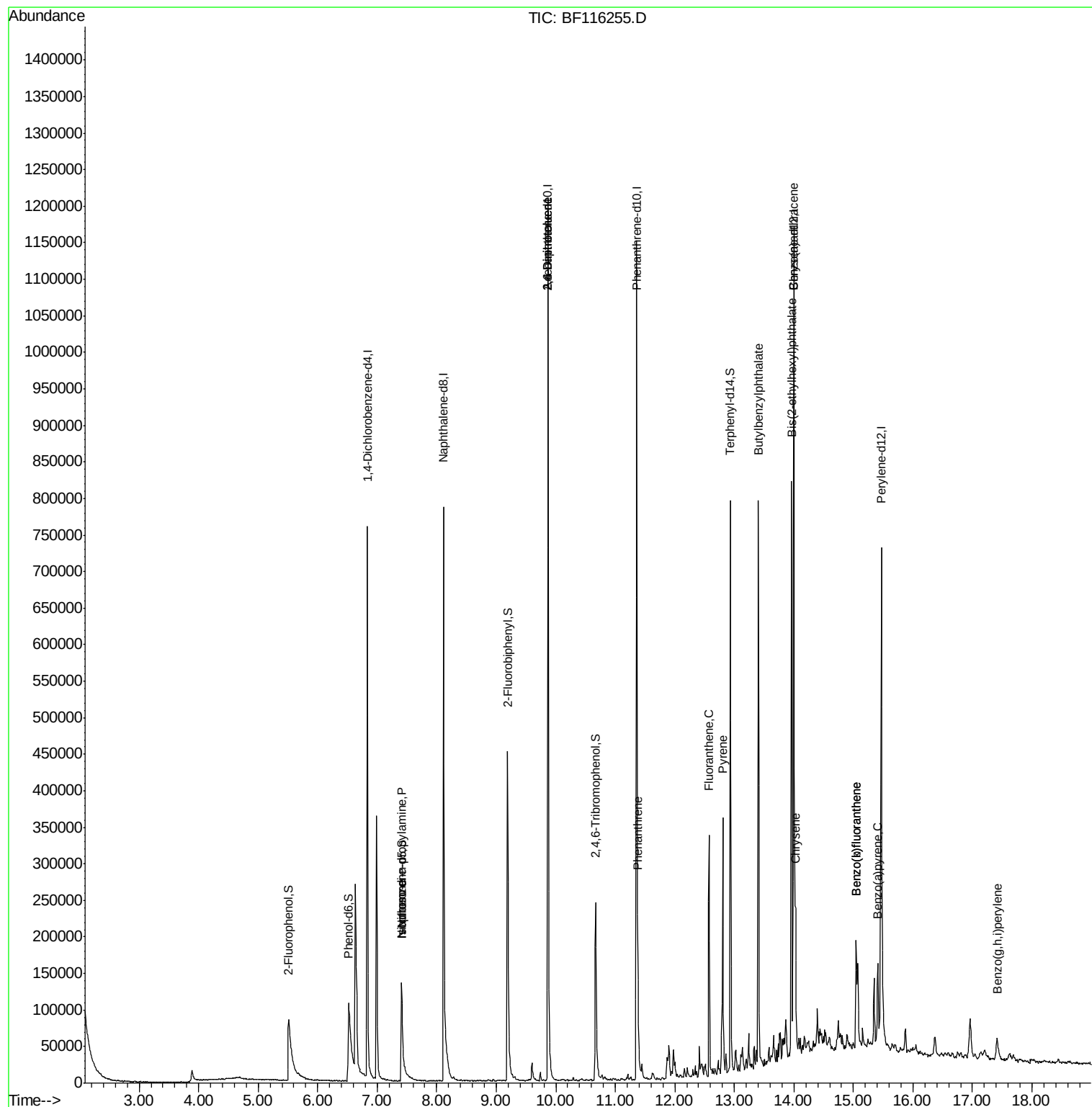
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	122160	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	518314	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	280949	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	504576	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	369156	20.00	ng	-0.01
87) Perylene-d12	15.47	264	368994	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	117082	16.04	ng	0.04
7) Phenol-d6	6.52	99	161567	17.55	ng	0.04
23) Nitrobenzene-d5	7.41	82	110533	12.31	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	48421	17.78	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	232764	15.52	ng	-0.01
79) Terphenyl-d14	12.93	244	265283	15.14	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	13520	2.370	ng	Qvalue # 83
25) Isophorone	7.41	82	110996	6.465	ng	# 65
51) 2,6-Dinitrotoluene	9.87	165	35247	8.479	ng	# 28
57) 2,4-Dinitrotoluene	9.87	165	35476	6.409	ng	# 20
71) Phenanthrene	11.38	178	55374	2.147	ng	96
75) Fluoranthene	12.57	202	146290	5.417	ng	99
78) Pyrene	12.80	202	138268	4.969	ng	99
80) Butylbenzylphthalate	13.40	149	163899	13.924	ng	97
81) Benzo(a)anthracene	13.99	228	67416	2.857	ng	98
83) Chrysene	14.03	228	76430	3.337	ng	100
84) Bis(2-ethylhexyl)phthalate	13.96	149	212437	13.888	ng	100
88) Benzo(b)fluoranthene	15.04	252	118959	5.576	ng	98
89) Benzo(k)fluoranthene	15.04	252	118959	5.724	ng	# 97
90) Benzo(a)pyrene	15.41	252	60777	3.187	ng	# 95
92) Benzo(a,h,i)perylene	17.42	276	34380	2.120	ng	95

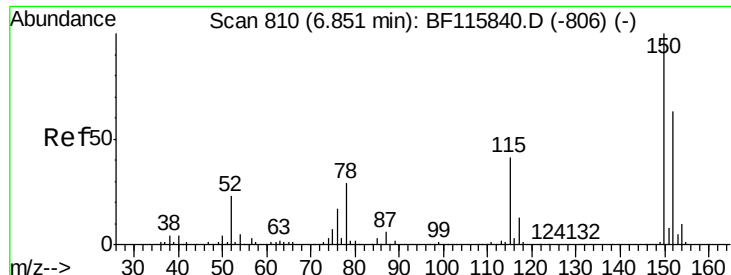
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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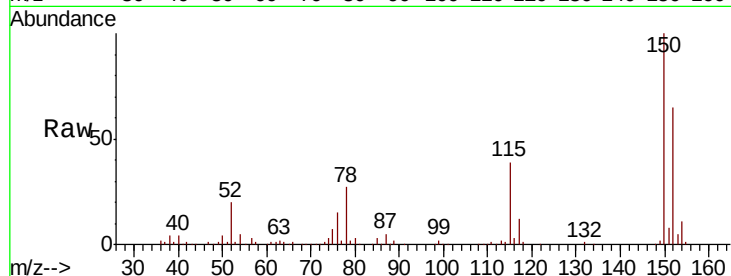


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF116255.D
Acq: 14 Aug 2019 2:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	126.2	189.2
115	59.8	49.9	74.9

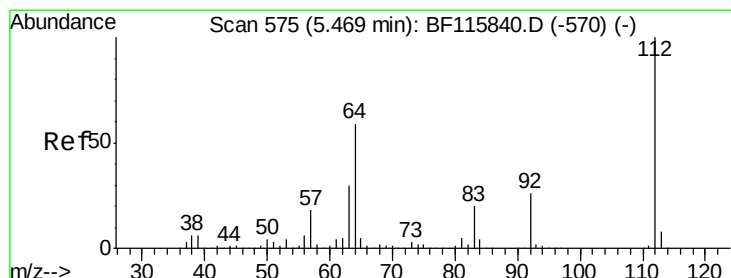
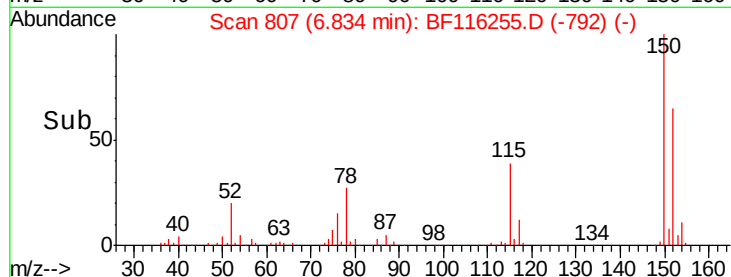
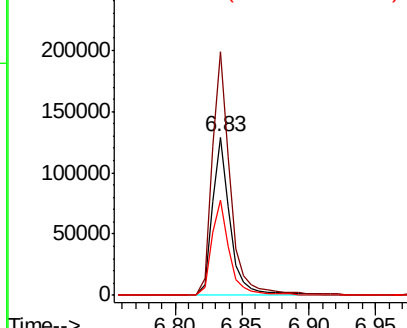


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

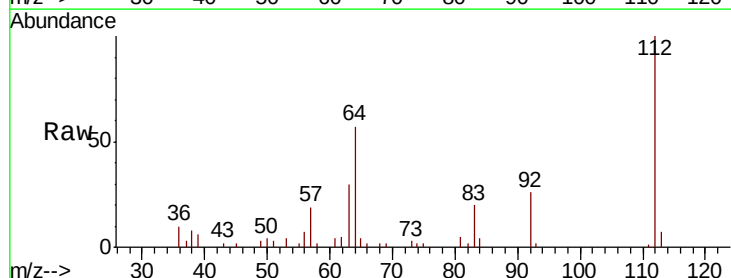
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 16.045 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.04 min
Lab File: BF116255.D
Acq: 14 Aug 2019 2:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	45.4	68.2
63	30.1	23.7	35.5

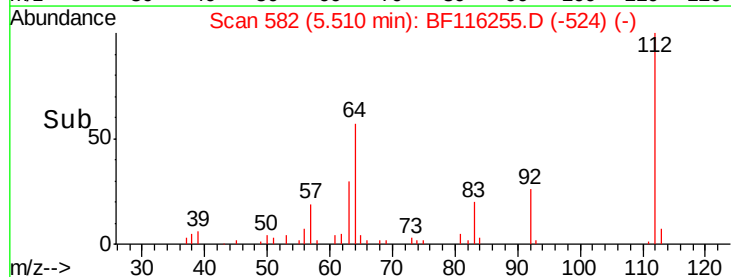
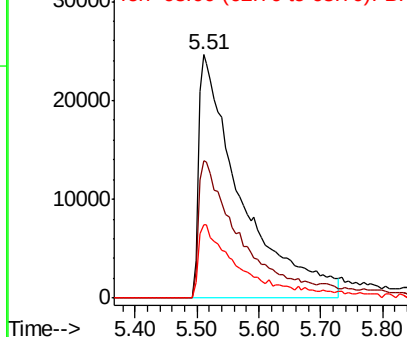


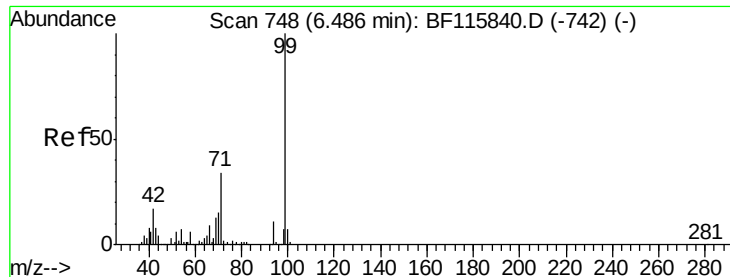
Abundance

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: 17.549 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.04 min

Lab File: BF116255.D

Acq: 14 Aug 2019 2:37

Instrument :

BNA_F

ClientSampleId :

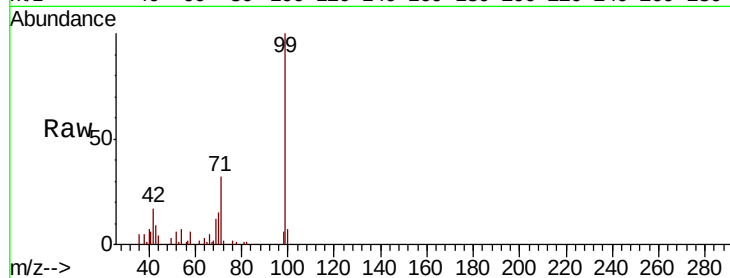
Tot Ion: 99 Resp: 161567

Ion Ratio Lower Upper

99 100

42 17.0 13.8 20.8

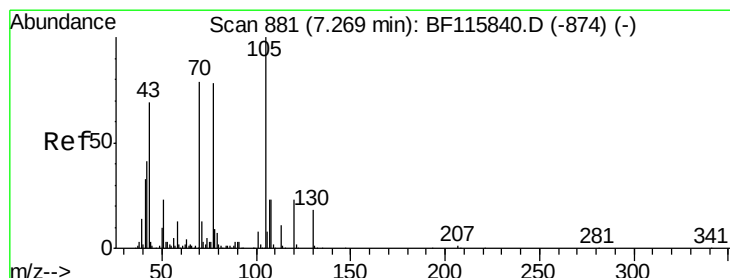
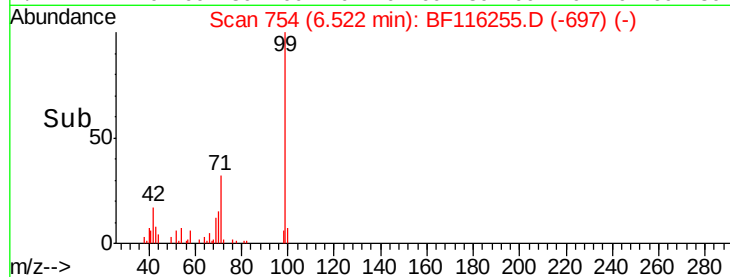
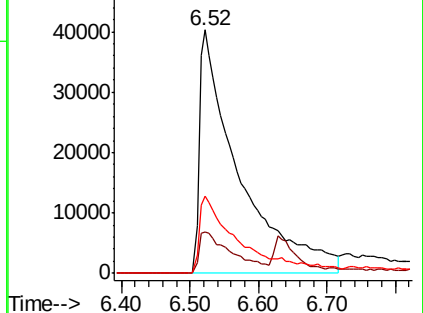
71 32.0 27.3 40.9



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 2.370 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF116255.D

Acq: 14 Aug 2019 2:37

Tgt Ion: 70 Resp: 13520

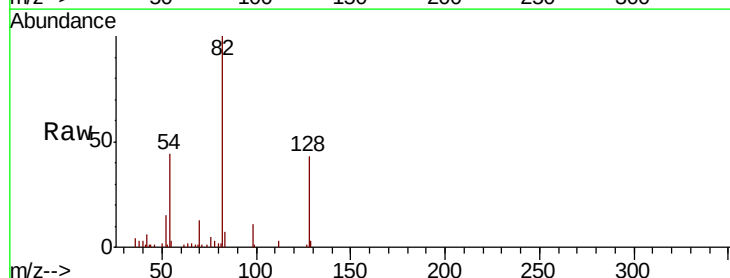
Ion Ratio Lower Upper

70 100

42 48.4 40.9 61.3

101 0.0 7.9 11.9#

130 0.0 16.9 25.3#

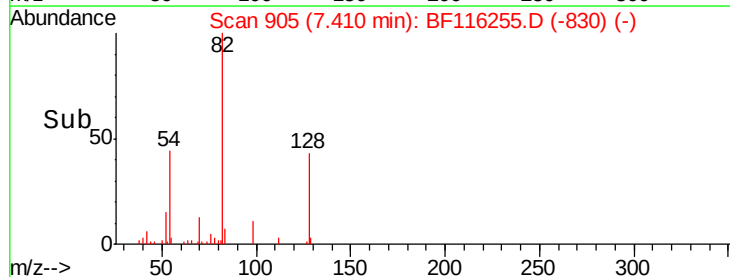
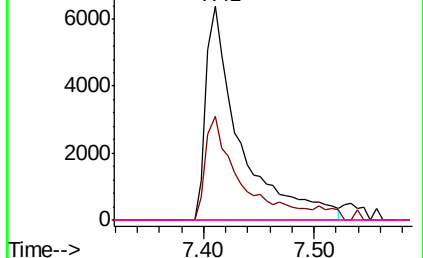


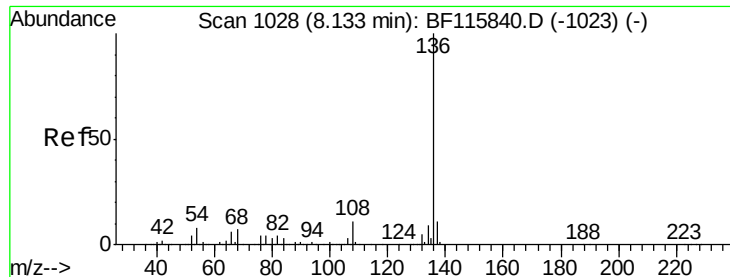
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

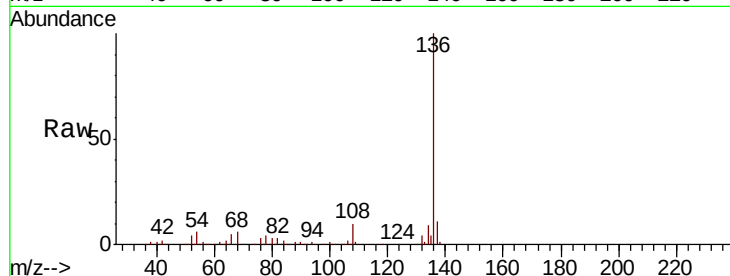




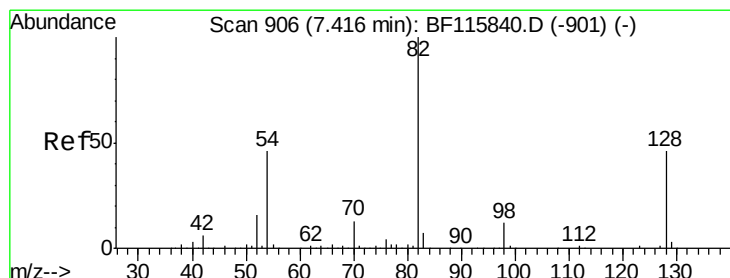
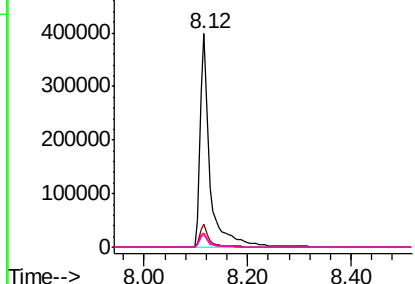
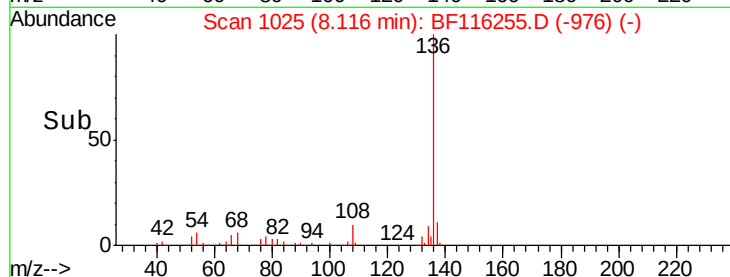
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF116255.D
Acq: 14 Aug 2019 2:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	518314
Ion Ratio	Lower	Upper
136	100	
137	10.7	9.0 13.4
54	6.5	5.8 8.6
68	6.0	5.2 7.8

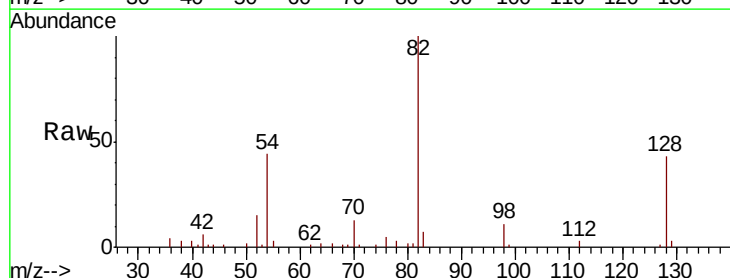


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

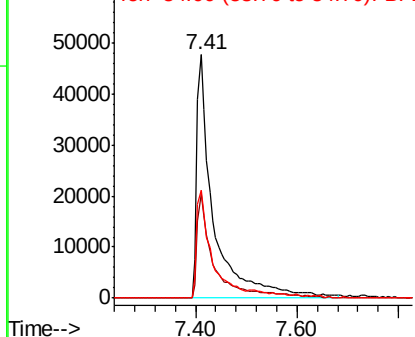
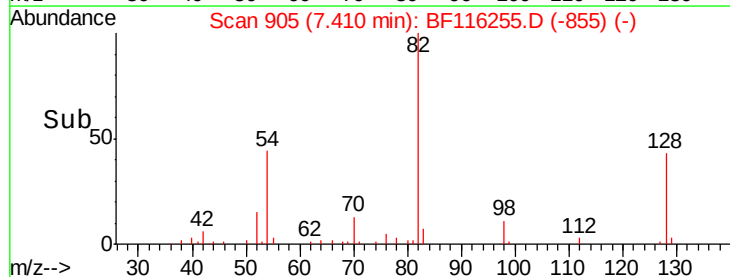


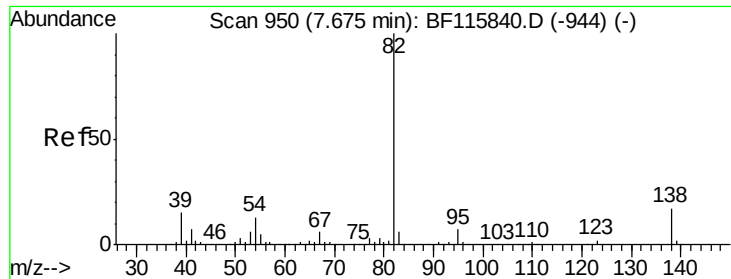
#23
Nitrobenzene-d5
Concen: 12.310 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF116255.D
Acq: 14 Aug 2019 2:37

Tgt Ion: 82	Resp:	110533
Ion Ratio	Lower	Upper
82	100	
128	42.8	36.5 54.7
54	44.2	36.0 54.0



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: 6.465 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF116255.D

Acq: 14 Aug 2019 2:37

Instrument :

BNA_F

ClientSampleId :

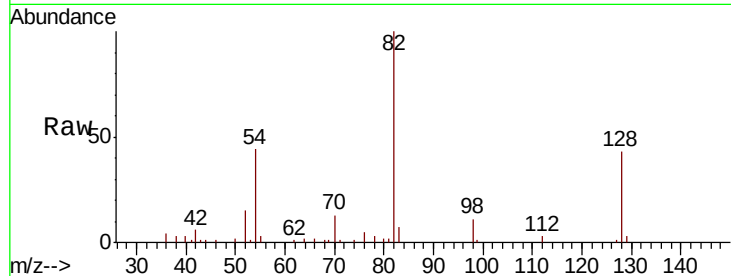
Tot Ion: 82 Resp: 110996

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

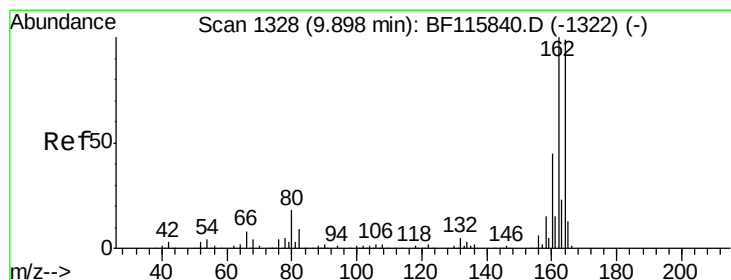
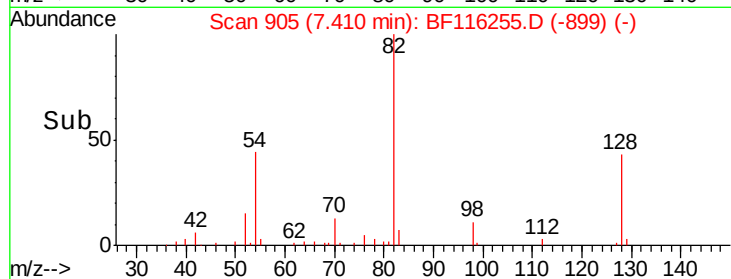
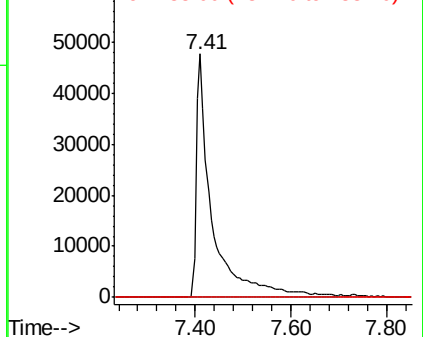
138 0.0 14.5 21.7#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116255.D

Acq: 14 Aug 2019 2:37

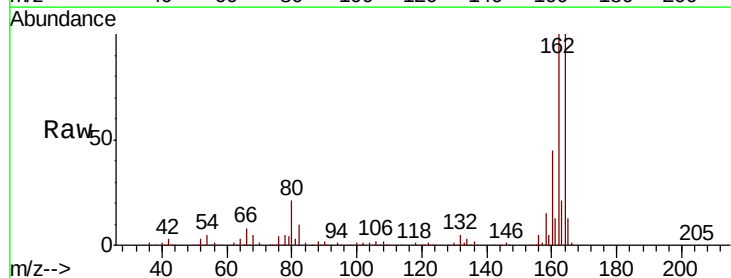
Tgt Ion: 164 Resp: 280949

Ion Ratio Lower Upper

164 100

162 100.5 82.6 124.0

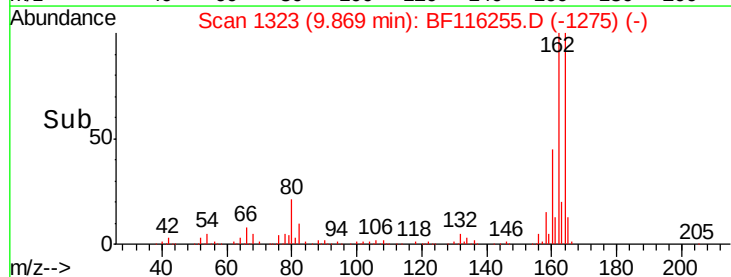
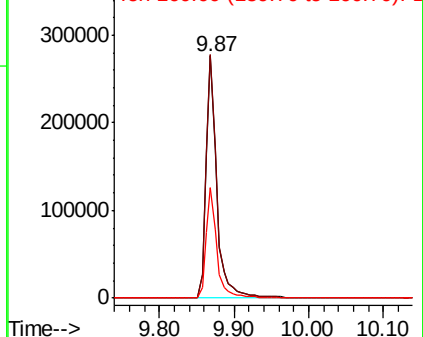
160 45.7 37.6 56.4

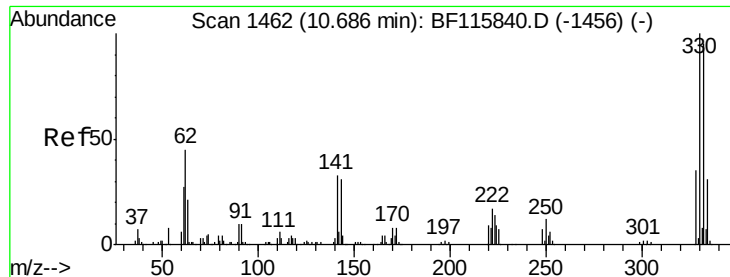


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 17.776 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF116255.D

Acq: 14 Aug 2019 2:37

Instrument :

BNA_F

ClientSampleId :

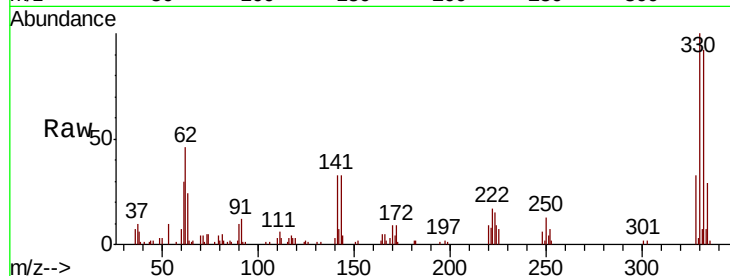
Tot Ion:330 Resp: 48421

Ion Ratio Lower Upper

330 100

332 93.9 76.8 115.2

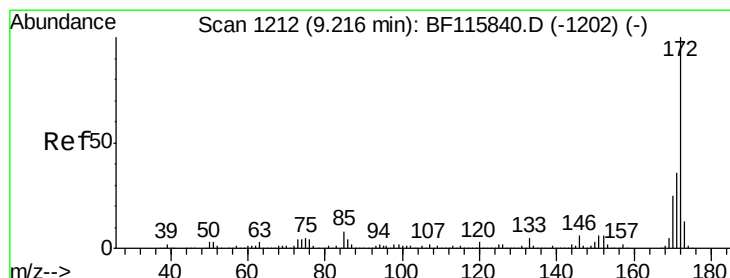
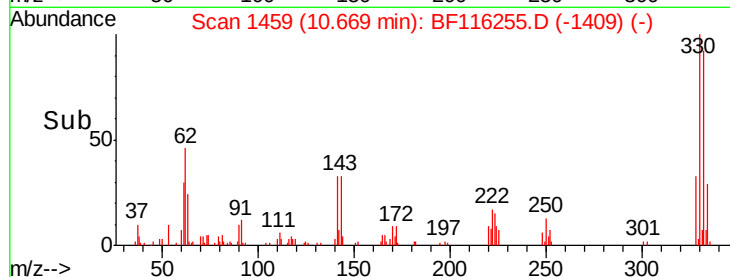
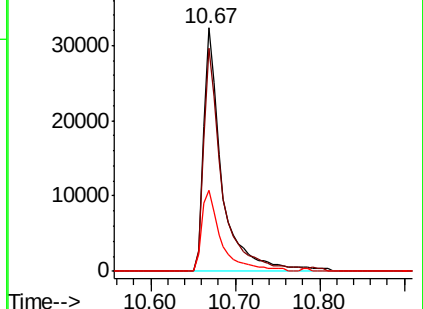
141 35.4 26.3 39.5



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: 15.518 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF116255.D

Acq: 14 Aug 2019 2:37

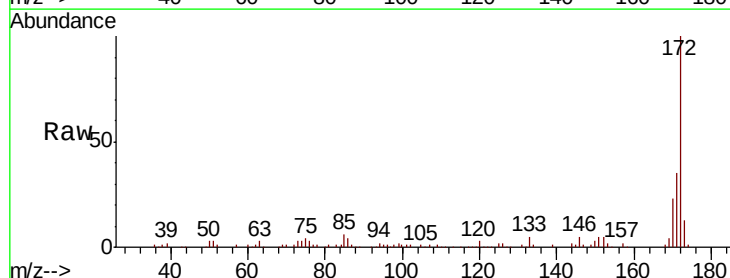
Tgt Ion:172 Resp: 232764

Ion Ratio Lower Upper

172 100

171 34.5 29.6 44.4

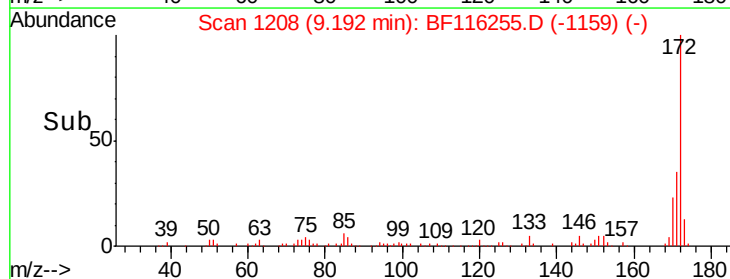
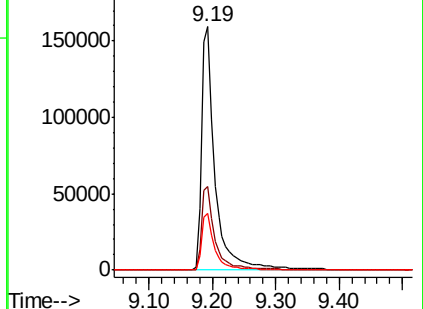
170 23.5 20.1 30.1

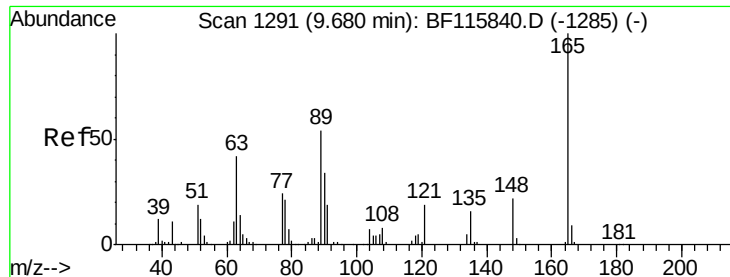


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

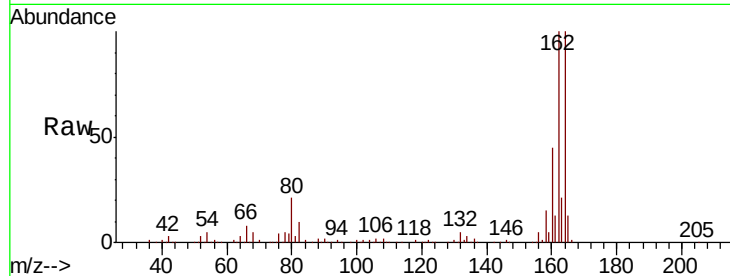




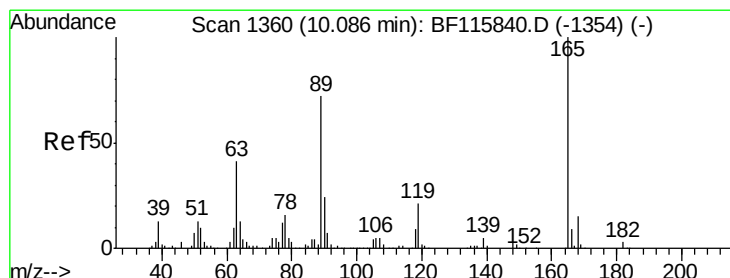
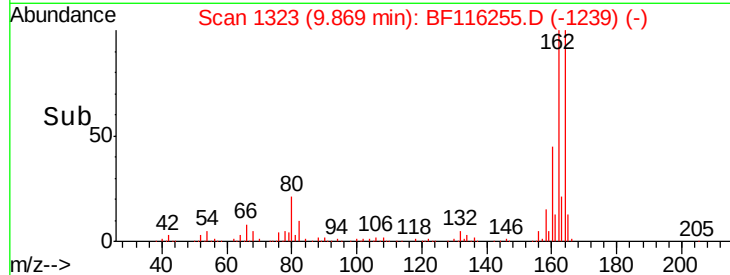
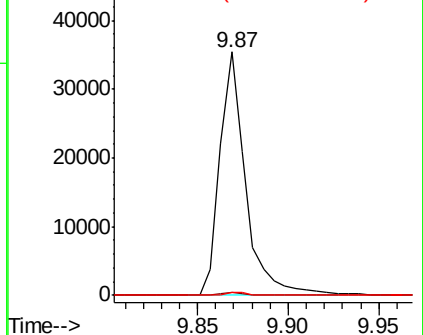
#51
 2,6-Dinitrotoluene
 Concen: 8.479 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.19 min
 Lab File: BF116255.D
 Acq: 14 Aug 2019 2:37

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	38.2	57.2#
89	1.2	42.9	64.3#



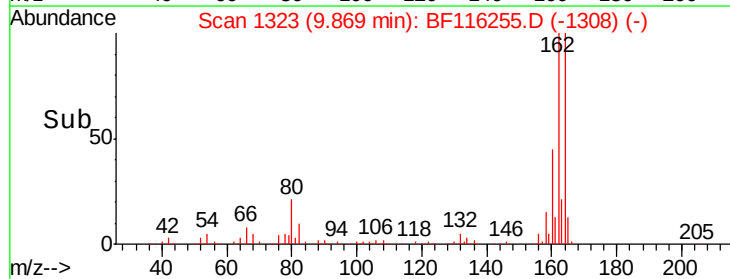
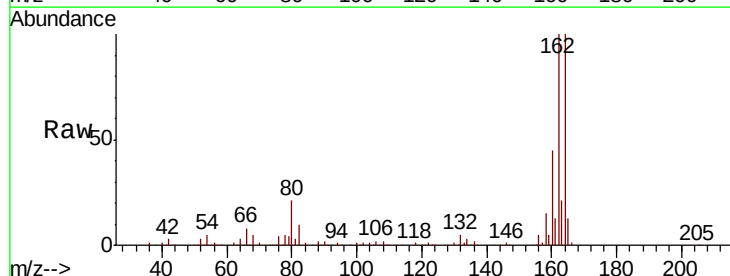
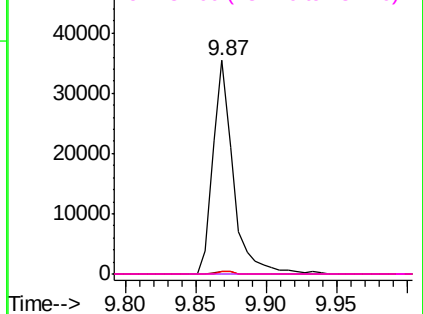
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

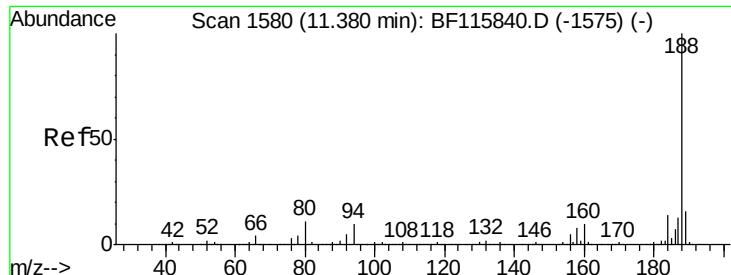


#57
 2,4-Dinitrotoluene
 Concen: 6.409 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116255.D
 Acq: 14 Aug 2019 2:37

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	39.6	59.4#
89	1.2	62.2	93.2#
182	0.0	2.1	3.1#

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

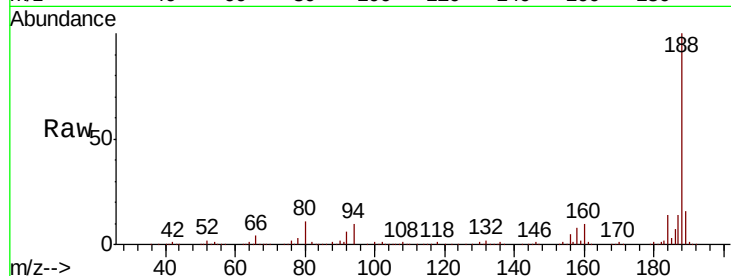




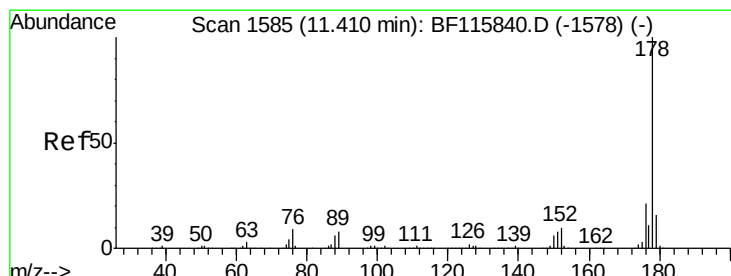
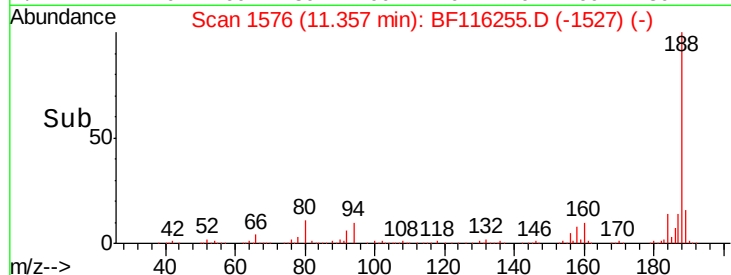
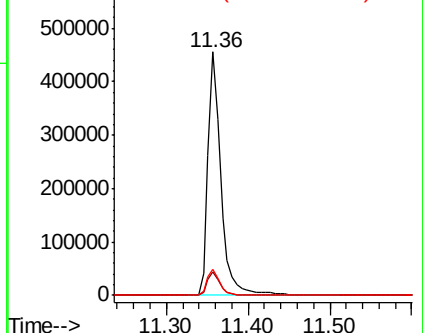
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116255.D
Acq: 14 Aug 2019 2:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 504576
Ion Ratio Lower Upper
188 100
94 9.8 8.1 12.1
80 10.9 8.7 13.1

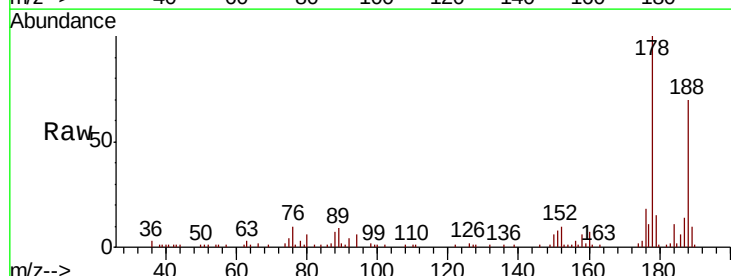


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

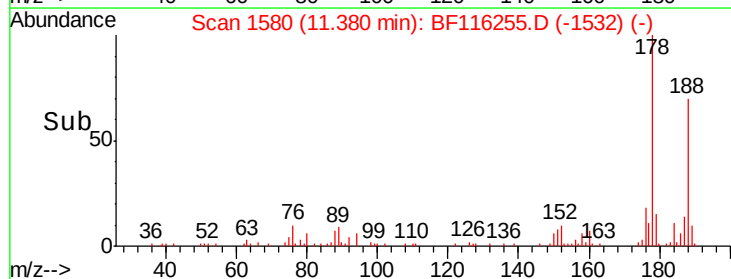
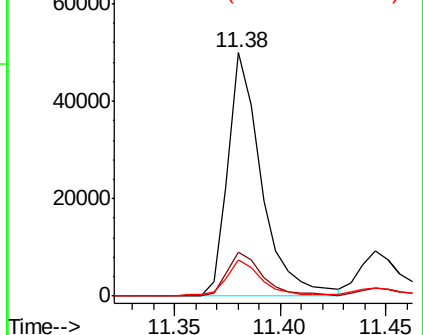


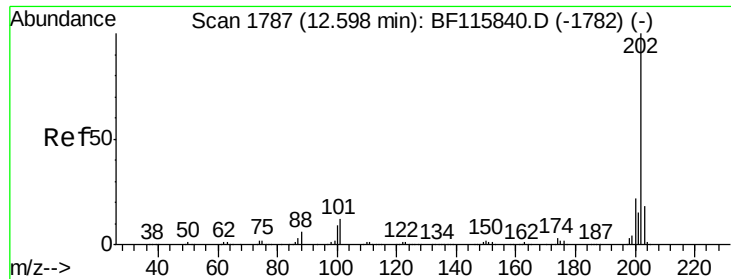
#71
Phenanthrene
Concen: 2.147 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF116255.D
Acq: 14 Aug 2019 2:37

Tgt Ion:178 Resp: 55374
Ion Ratio Lower Upper
178 100
176 18.3 16.6 24.8
179 14.9 12.5 18.7



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: 5.417 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF116255.D

Acq: 14 Aug 2019 2:37

Instrument :

BNA_F

ClientSampleId :

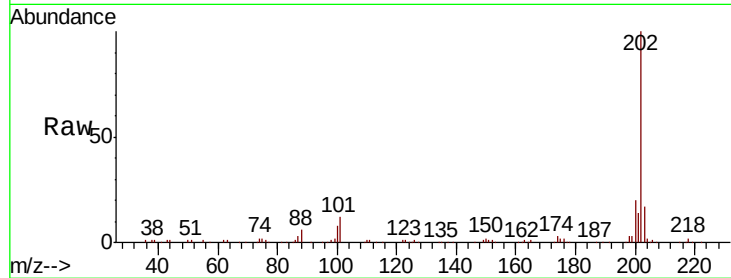
Tot Ion:202 Resp: 146290

Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.2

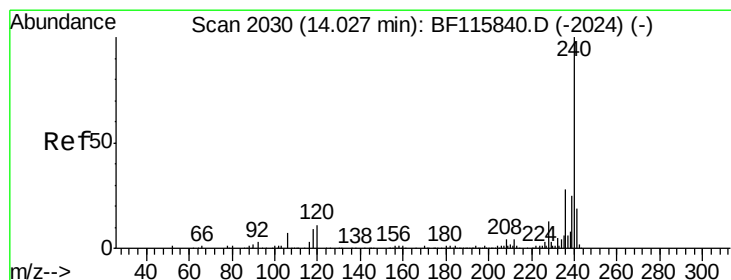
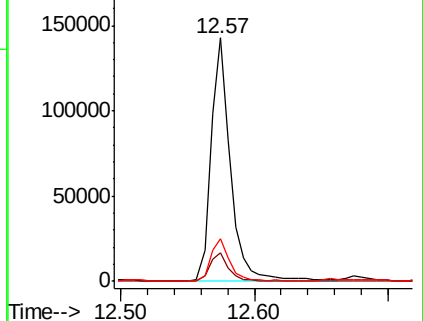
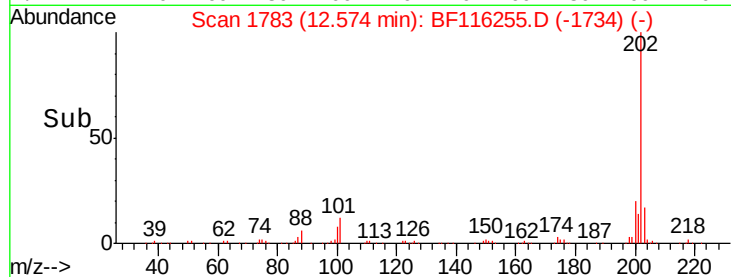
203 17.3 0.0 37.8



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: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF116255.D

Acq: 14 Aug 2019 2:37

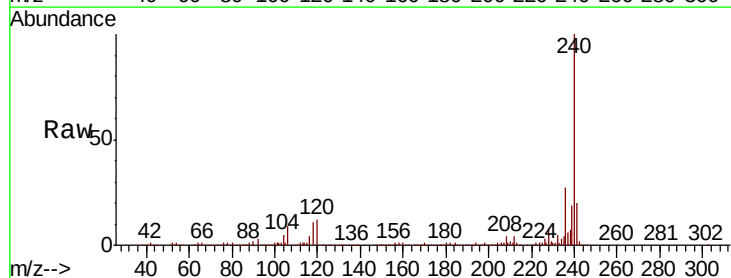
Tgt Ion:240 Resp: 369156

Ion Ratio Lower Upper

240 100

120 12.2 10.7 16.1

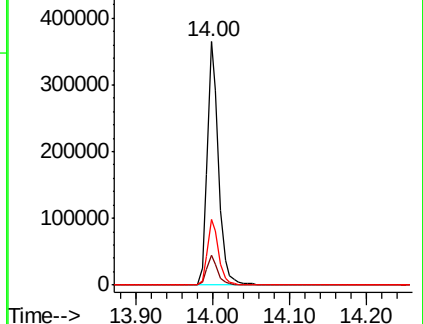
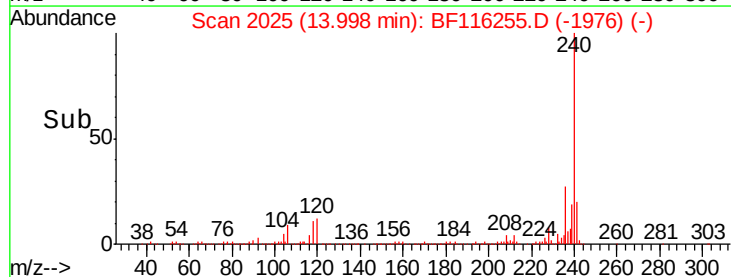
236 27.0 22.2 33.2

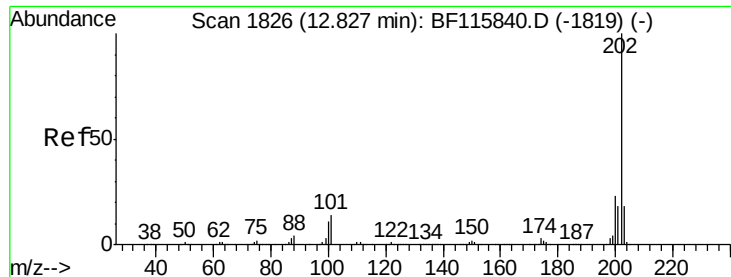


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 4.969 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF116255.D

Acq: 14 Aug 2019 2:37

Instrument :

BNA_F

ClientSampleId :

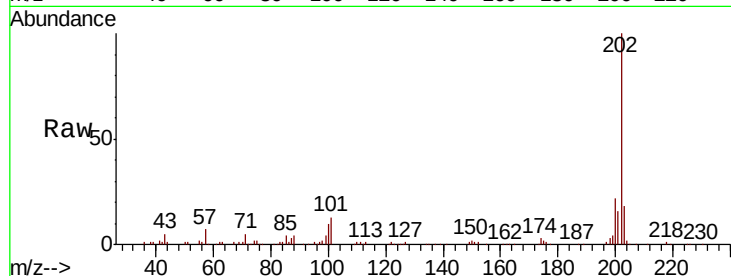
Tot Ion:202 Resp: 138268

Ion Ratio Lower Upper

202 100

200 21.6 18.0 27.0

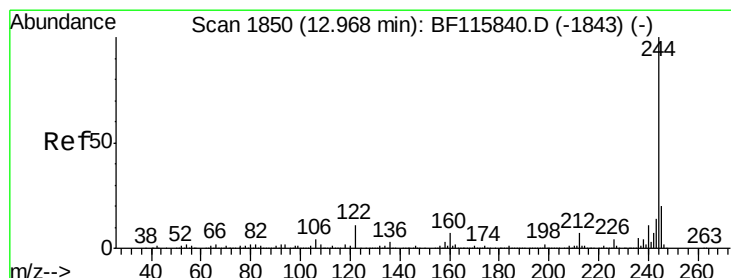
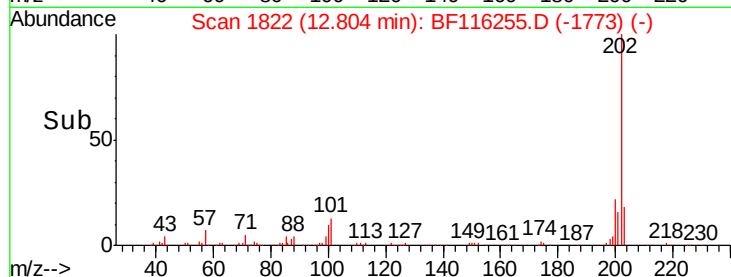
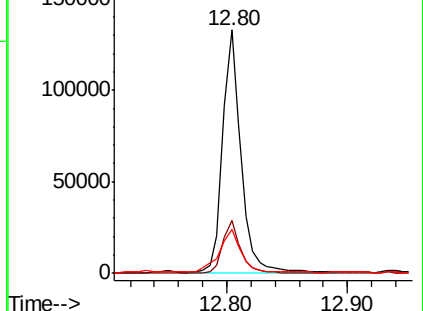
203 17.9 14.1 21.1



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: 15.143 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.02 min

Lab File: BF116255.D

Acq: 14 Aug 2019 2:37

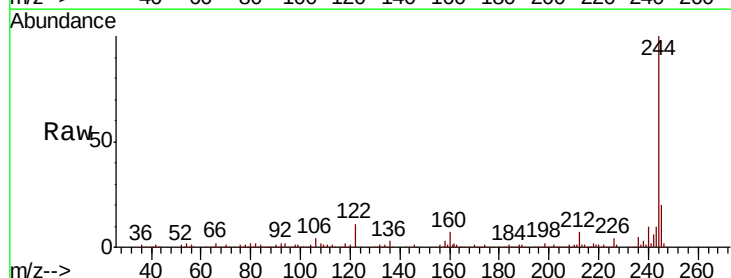
Tgt Ion:244 Resp: 265283

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

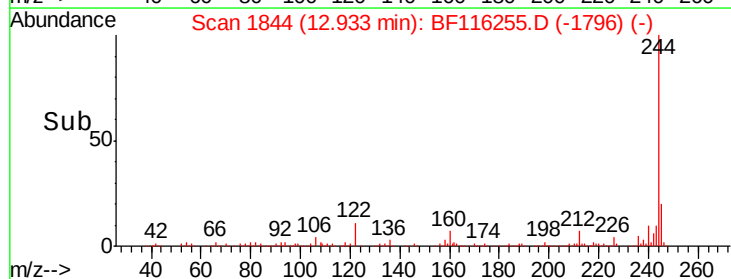
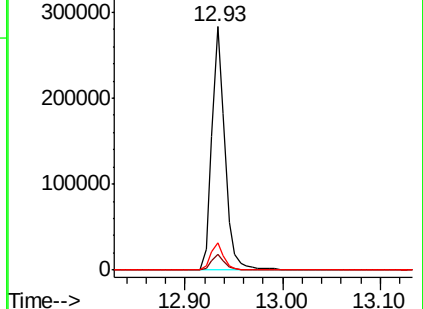
122 11.3 9.0 13.4

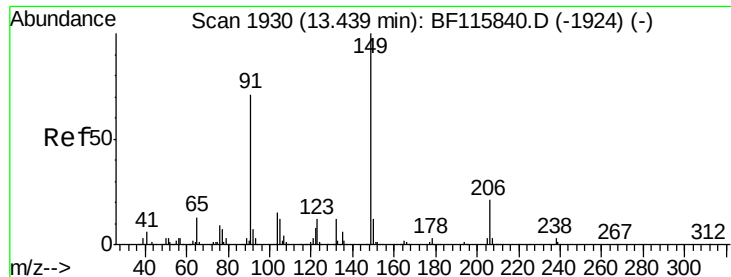


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

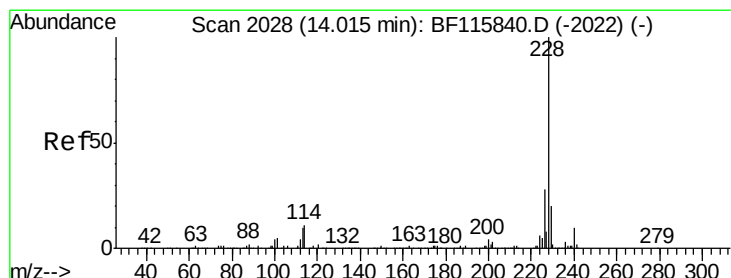
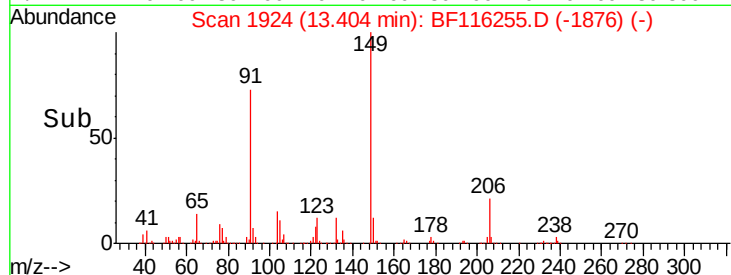
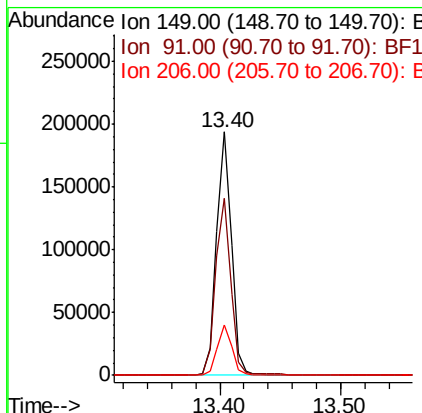
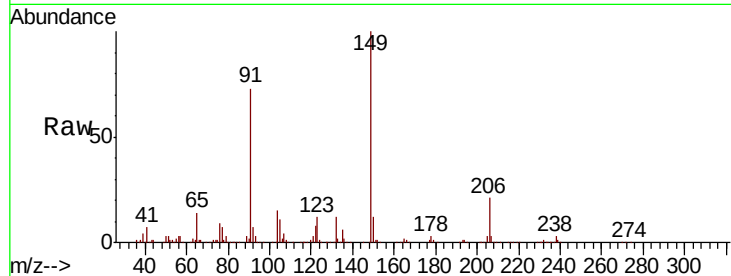




#80
Butylbenzylphthalate
Concen: 13.924 ng
RT: 13.40 min Scan# 1924
Delta R.T. -0.02 min
Lab File: BF116255.D
Acq: 14 Aug 2019 2:37

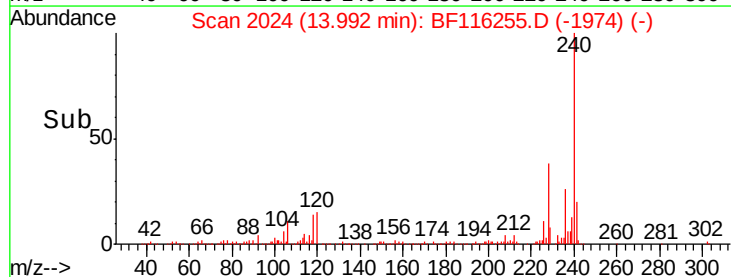
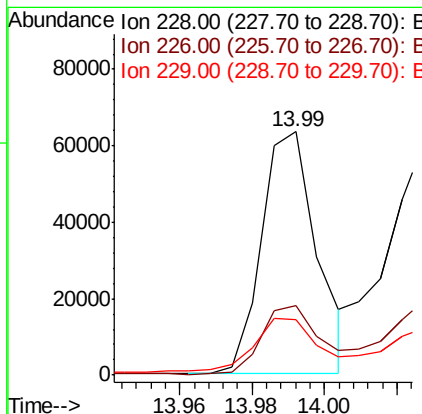
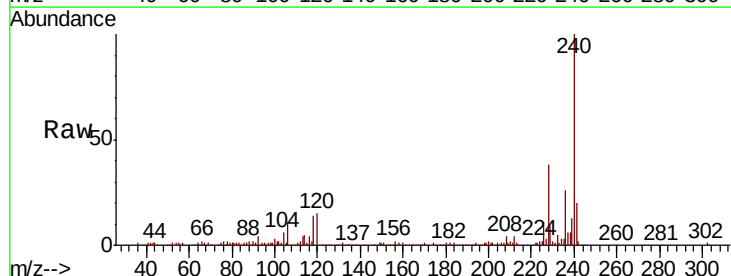
Instrument :
BNA_F
ClientSampled :

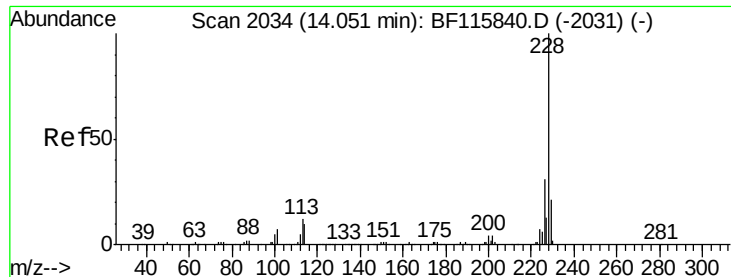
Tot Ion	Ratio	Lower	Upper
149	100		
91	72.9	56.3	84.5
206	20.6	18.0	27.0



#81
Benzo(a)anthracene
Concen: 2.857 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116255.D
Acq: 14 Aug 2019 2:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.7	34.1
229	22.5	16.2	24.4

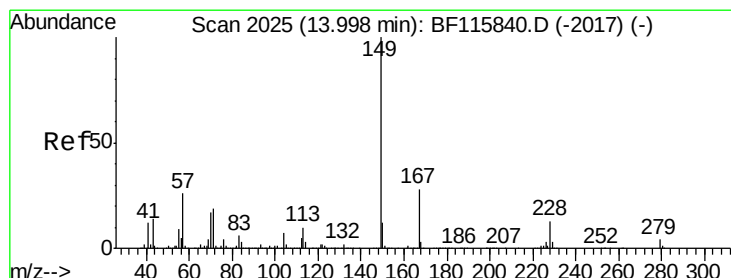
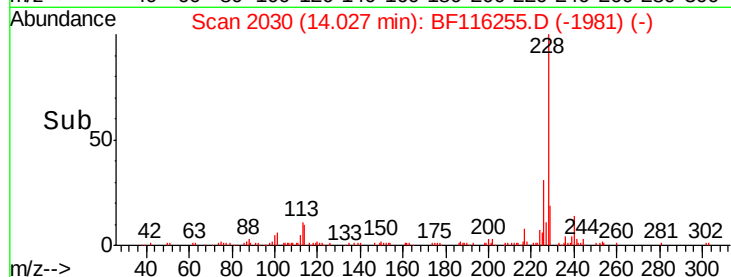
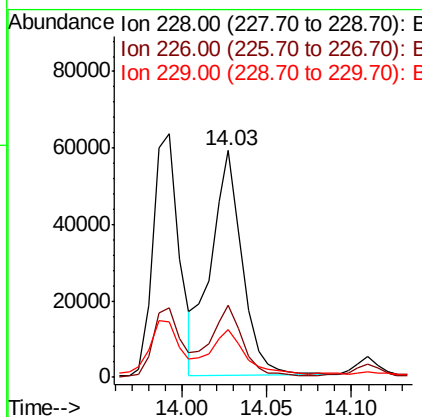
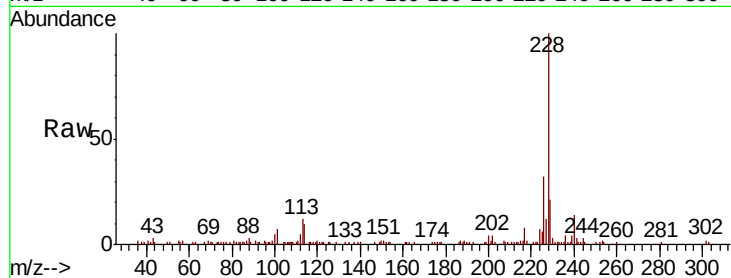




#83
 Chrysene
 Concen: 3.337 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF116255.D
 Acq: 14 Aug 2019 2:37

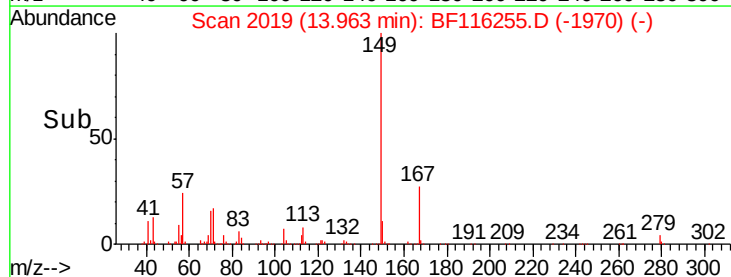
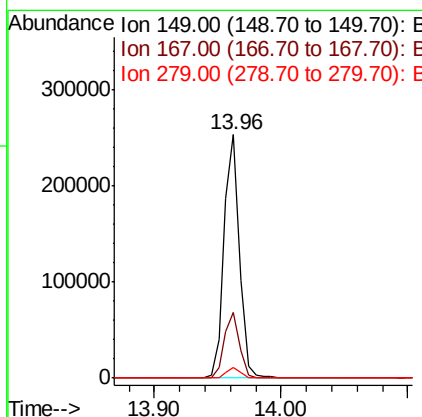
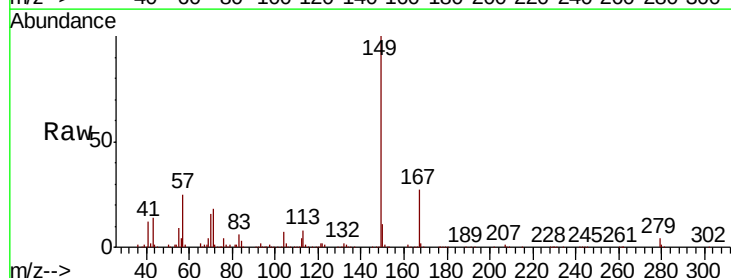
Instrument :
 BNA_F
 ClientSampleId :

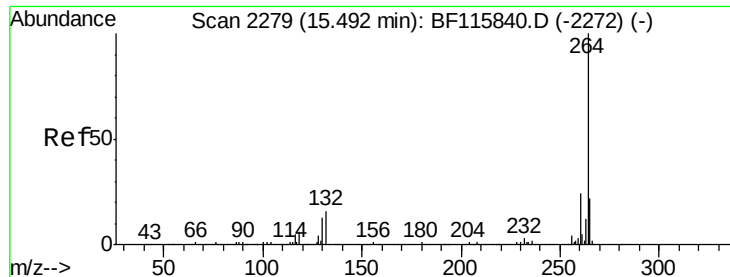
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.5	38.3
229	20.9	16.6	24.8



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 13.888 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF116255.D
 Acq: 14 Aug 2019 2:37

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.6	32.4
279	4.2	3.0	4.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF116255.D

Acq: 14 Aug 2019 2:37

Instrument :

BNA_F

ClientSampleId :

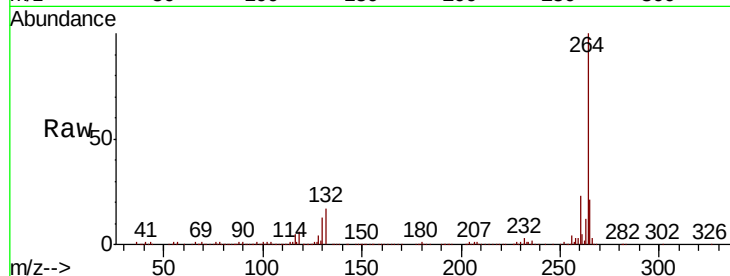
Tot Ion:264 Resp: 368994

Ion Ratio Lower Upper

264 100

260 23.5 19.7 29.5

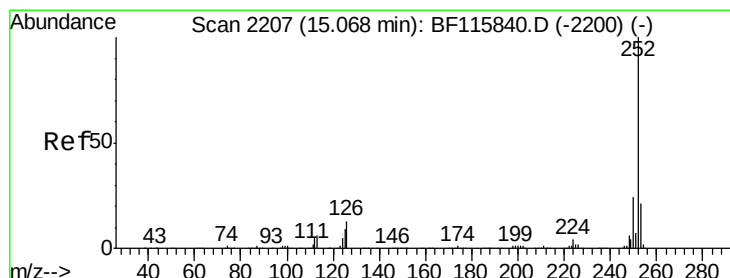
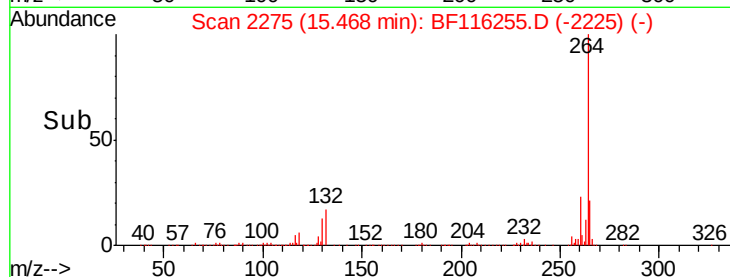
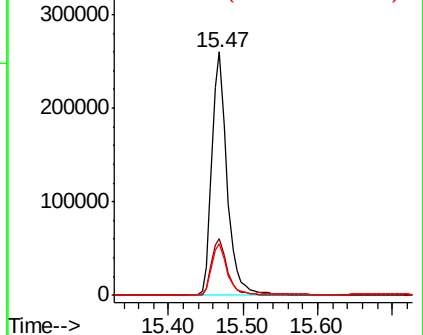
265 21.0 17.4 26.0



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: 5.576 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BF116255.D

Acq: 14 Aug 2019 2:37

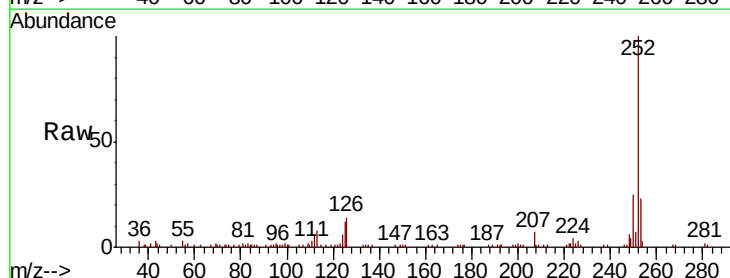
Tgt Ion:252 Resp: 118959

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.8

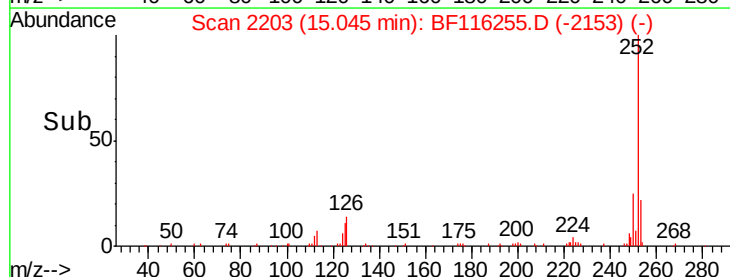
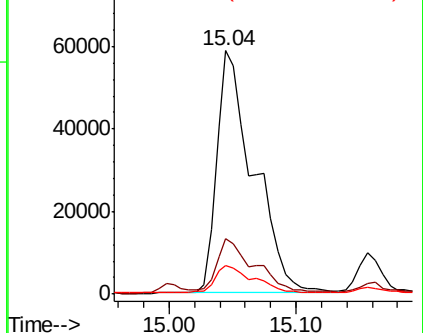
125 11.9 8.4 12.6

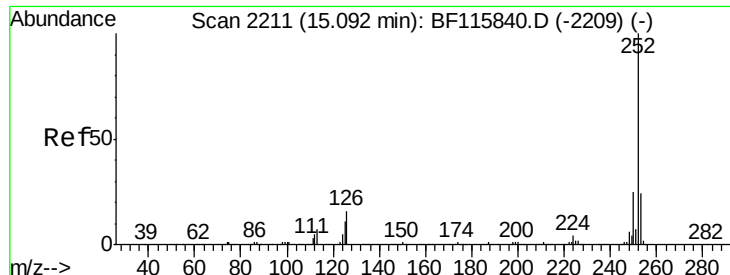


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

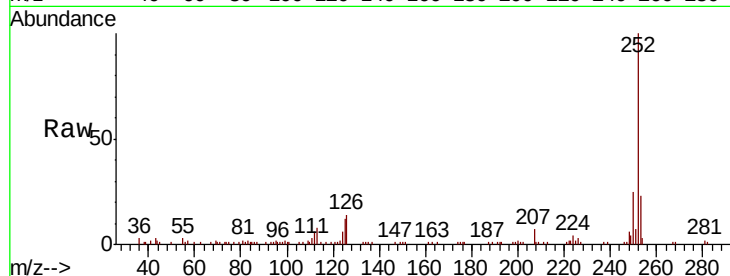




#89
Benzo(k)fluoranthene
Concen: 5.724 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF116255.D
Acq: 14 Aug 2019 2:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	11.9	7.7	11.5

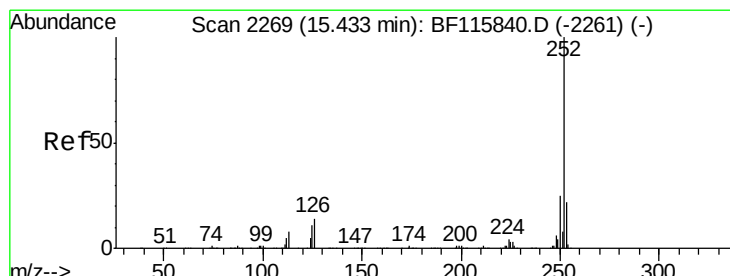
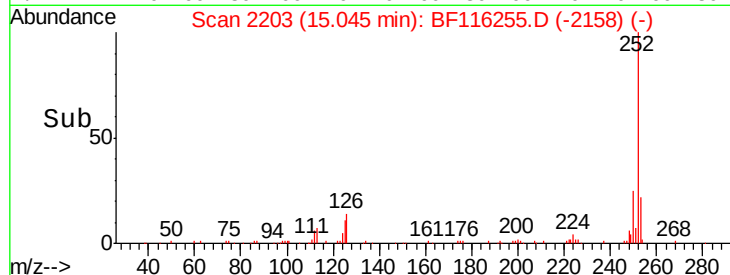
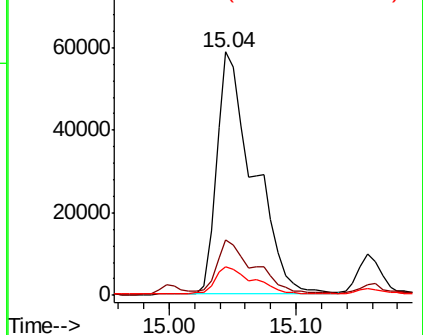


Abundance

Ion 252.00 (251.70 to 252.70): E

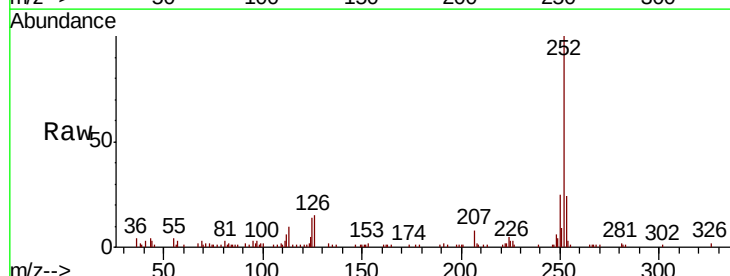
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 3.187 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF116255.D
Acq: 14 Aug 2019 2:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.0	27.0
125	14.3	8.9	13.3

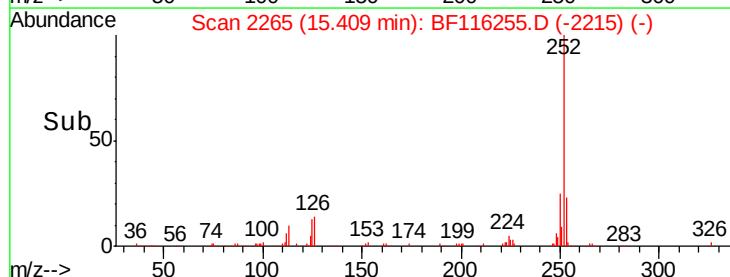
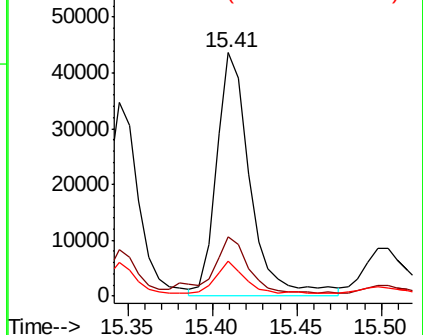


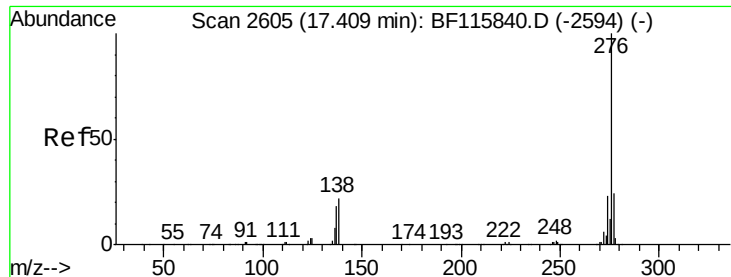
Abundance

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(a,h,i)perylene
 Concen: 2.120 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. 0.03 min
 Lab File: BF116255.D
 Acq: 14 Aug 2019 2:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 276 Resp: 34380
 Ion Ratio Lower Upper
 276 100
 277 26.2 18.4 27.6
 138 22.5 17.0 25.6

