

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081519\
 Data File : BF116279.D
 Acq On : 15 Aug 2019 15:14
 Operator : HP/JU
 Sample : K4340-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 16 03:08:23 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

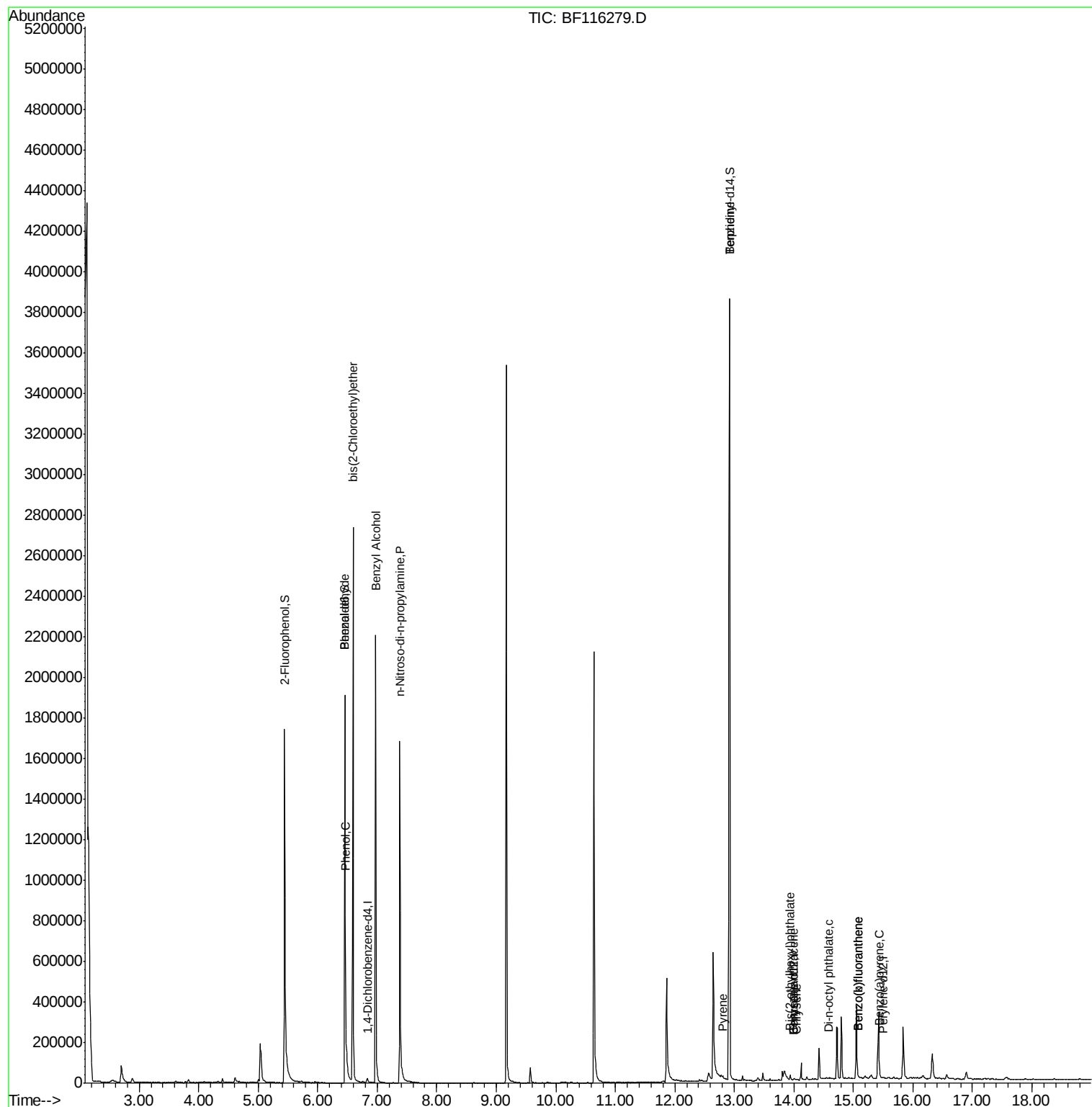
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	5518	20.00	ng	-0.01
21) Naphthalene-d8	0.00	136	0	0.00	ng	-8.13
39) Acenaphthene-d10	0.00	164	0	0.00	ng	-9.89
64) Phenanthrene-d10	0.00	188	0	0.00	ng	-11.37
76) Chrysene-d12	14.00	240	2156	20.00	ng	0.00
87) Perylene-d12	15.50	264	116	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	696947	2114.41	ng	-0.02
7) Phenol-d6	6.46	99	835131	2008.15	ng	-0.03
23) Nitrobenzene-d5	7.38	82	615266	0.00	ng	-0.04
42) 2,4,6-Tribromophenol	10.64	330	296920	0.00	ng	-0.04
45) 2-Fluorobiphenyl	9.17	172	1098877	0.00	ng	-0.04
79) Terphenyl-d14	12.92	244	1508556	14743.86	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.46	77	1120	3.903	ng	# 1
10) Phenol	6.47	94	5622	11.480	ng	# 1
11) bis(2-Chloroethyl)ether	6.59	93	897	2.491	ng	# 1
15) Benzyl Alcohol	6.97	79	10448	33.105	ng	# 41
19) n-Nitroso-di-n-propylamine	7.38	70	80185	311.150	ng	# 79
77) Benzidine	12.92	184	20817	285.796	ng	# 96
78) Pyrene	12.80	202	803	4.941	ng	# 56
81) Benzo(a)anthracene	13.99	228	1118	8.113	ng	# 50
83) Chrysene	14.03	228	2902	21.691	ng	# 76
84) Bis(2-ethylhexyl)phthalate	13.94	149	7277	81.455	ng	# 98
85) Di-n-octyl phthalate	14.59	149	1091	7.689	ng	# 66
88) Benzo(b)fluoranthene	15.08	252	2736	407.916	ng	# 85
89) Benzo(k)fluoranthene	15.08	252	2736	418.800	ng	# 84
90) Benzo(a)pyrene	15.44	252	263	43.864	ng	# 10

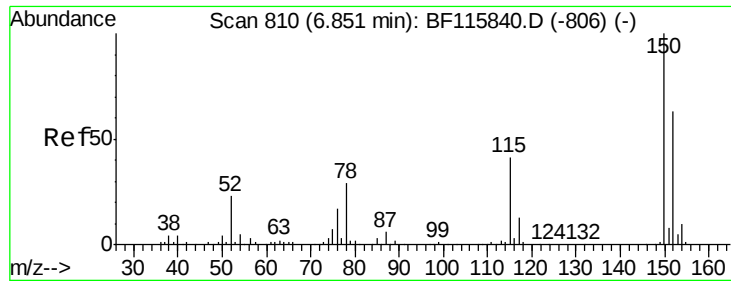
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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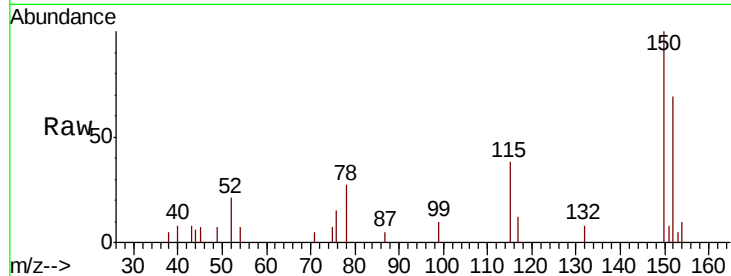


#1

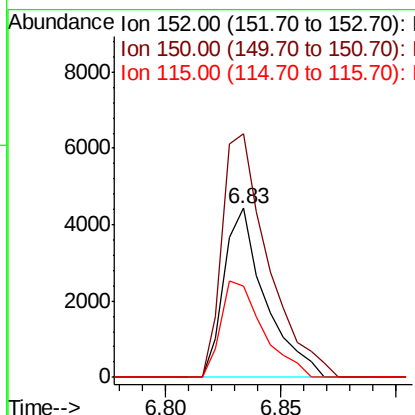
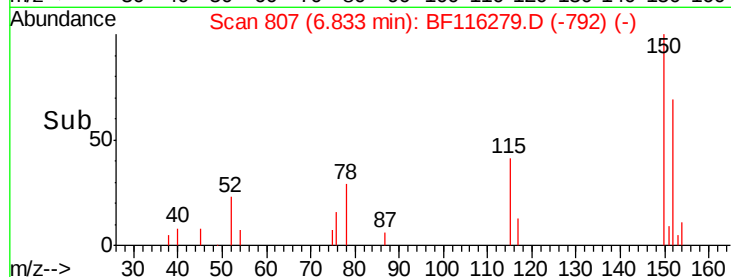
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF116279.D
Acq: 15 Aug 2019 15:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 5518
Ion Ratio Lower Upper
152 100
150 144.0 126.2 189.2
115 54.1 49.9 74.9



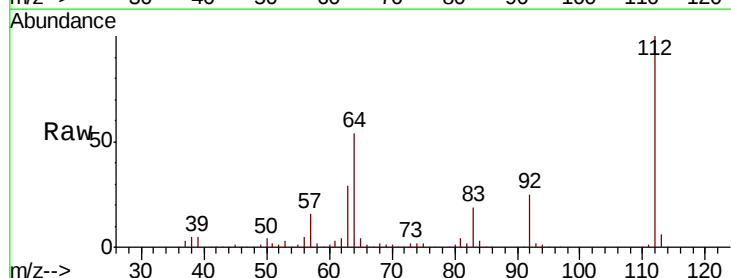
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



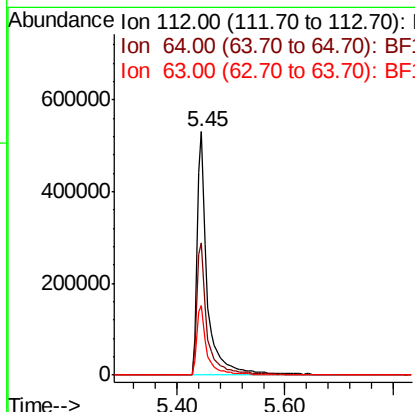
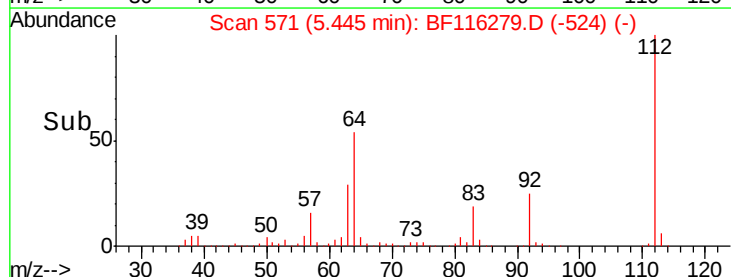
#5

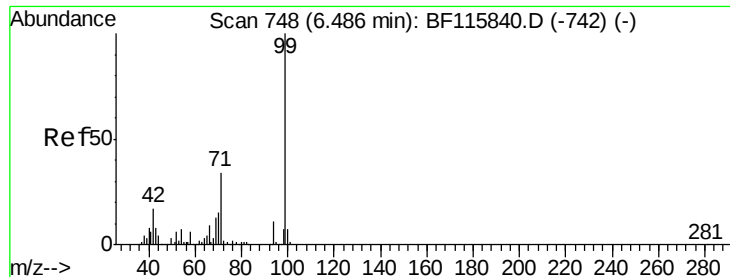
2-Fluorophenol
Concen: 2114.412 ng
RT: 5.45 min Scan# 571
Delta R.T. -0.02 min
Lab File: BF116279.D
Acq: 15 Aug 2019 15:14

Tgt Ion:112 Resp: 696947
Ion Ratio Lower Upper
112 100
64 54.4 45.4 68.2
63 28.5 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: 2008.151 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.03 min

Lab File: BF116279.D

Acq: 15 Aug 2019 15:14

Instrument :

BNA_F

ClientSampled :

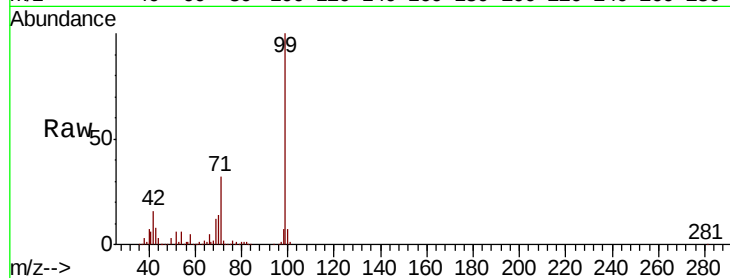
Tot Ion: 99 Resp: 835131

Ion Ratio Lower Upper

99 100

42 16.0 13.8 20.8

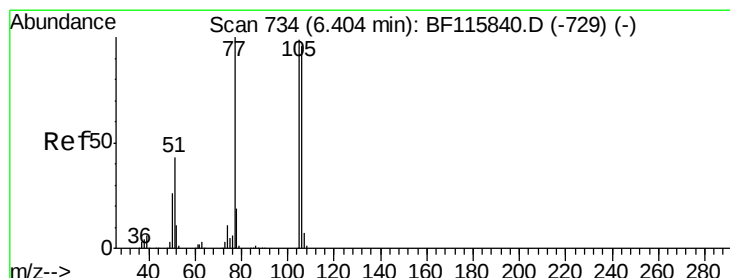
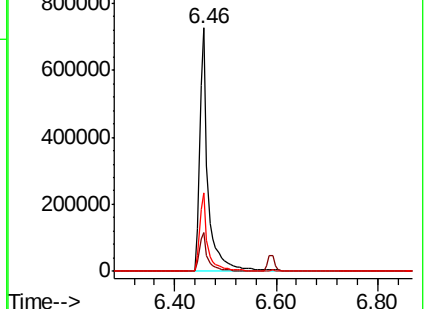
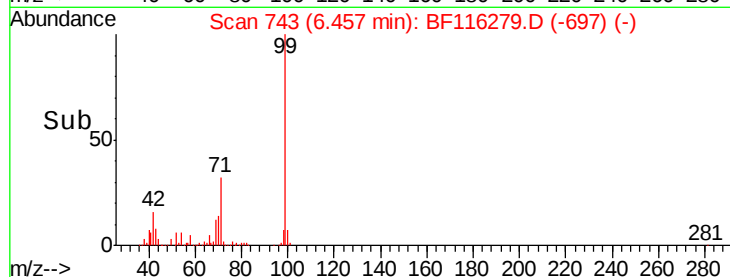
71 32.4 27.3 40.9



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



#9

Benzaldehyde

Concen: 3.903 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.06 min

Lab File: BF116279.D

Acq: 15 Aug 2019 15:14

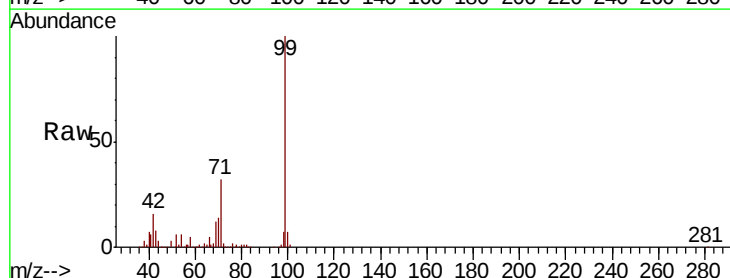
Tgt Ion: 77 Resp: 1120

Ion Ratio Lower Upper

77 100

105 0.0 79.2 119.2#

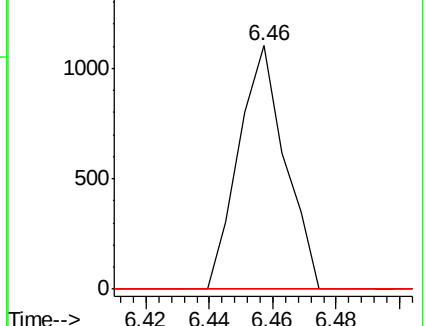
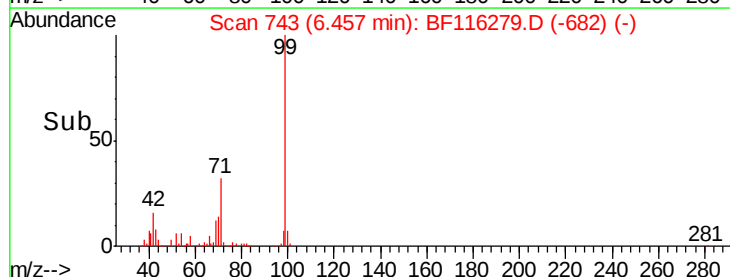
106 0.0 74.3 114.3#

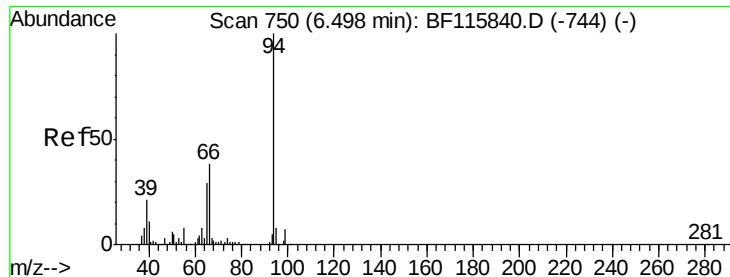


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 11.480 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.04 min

Lab File: BF116279.D

Acq: 15 Aug 2019 15:14

Instrument :

BNA_F

ClientSampleId :

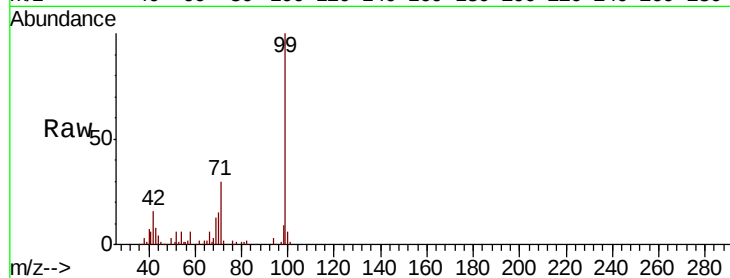
Tot Ion: 94 Resp: 5622

Ion Ratio Lower Upper

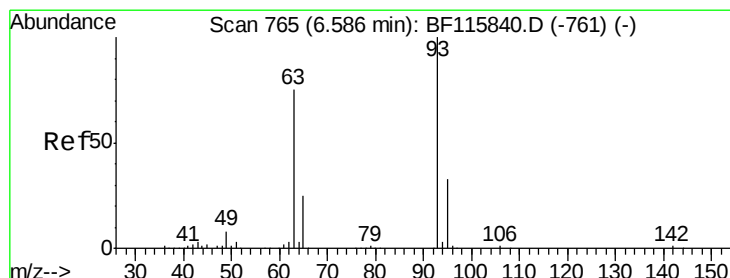
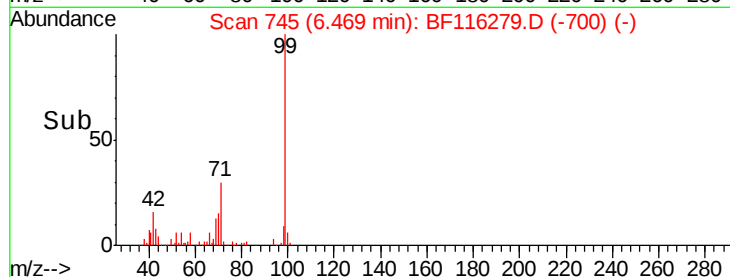
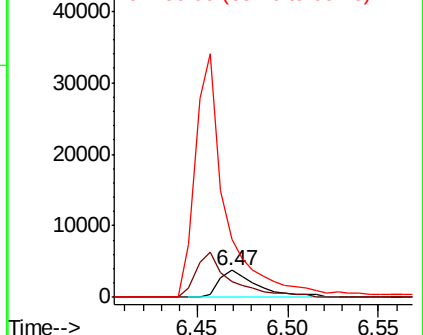
94 100

65 60.2 16.8 56.8#

66 213.4 34.2 74.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



#11

bis(2-Chloroethyl)ether

Concen: 2.491 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.01 min

Lab File: BF116279.D

Acq: 15 Aug 2019 15:14

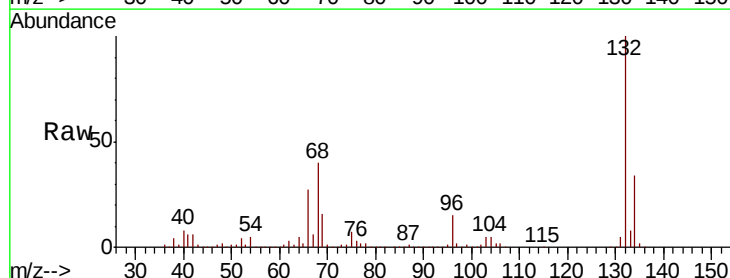
Tgt Ion: 93 Resp: 897

Ion Ratio Lower Upper

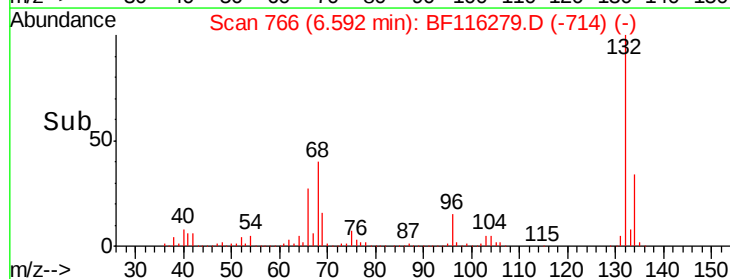
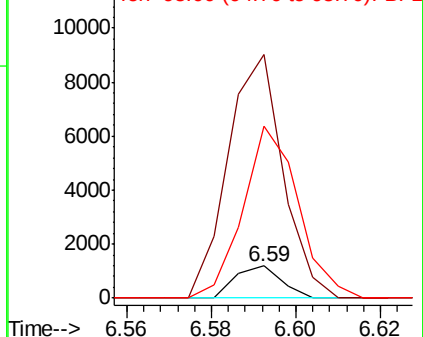
93 100

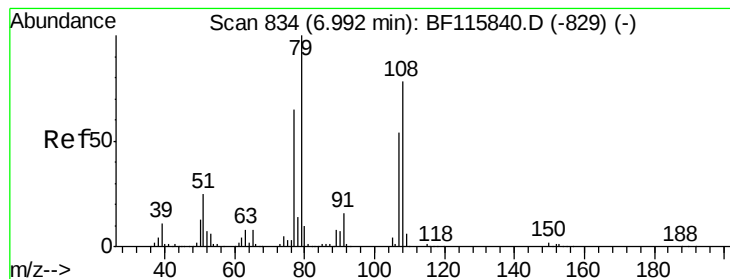
63 765.0 51.9 91.9#

95 538.4 13.0 53.0#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1





#15

Benzyl Alcohol

Concen: 33.105 ng

RT: 6.97 min Scan# 831

Delta R.T. -0.02 min

Lab File: BF116279.D

Acq: 15 Aug 2019 15:14

Instrument :

BNA_F

ClientSampleId :

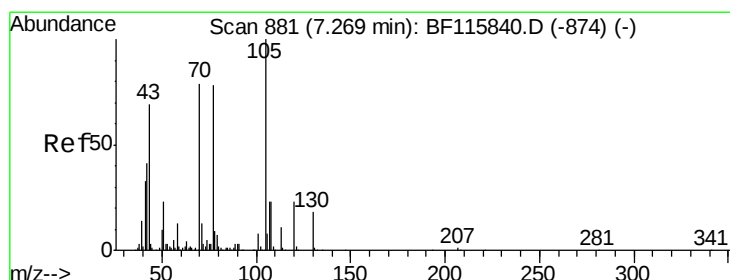
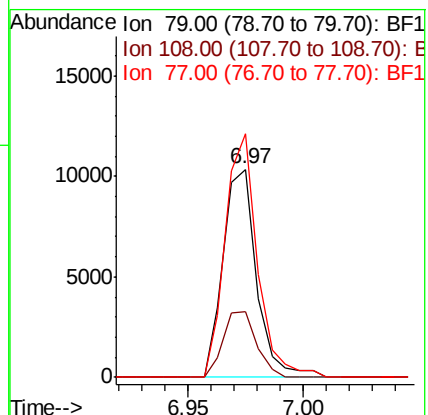
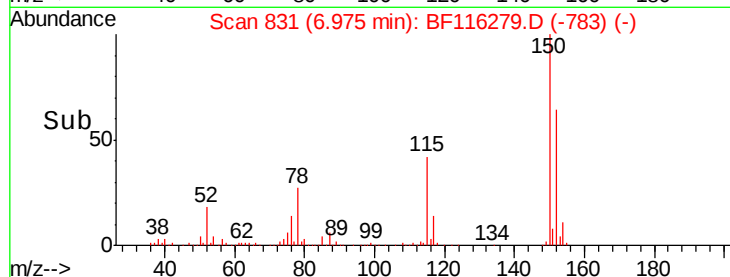
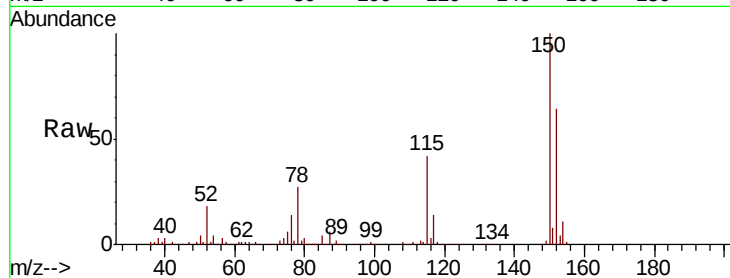
Tot Ion: 79 Resp: 10448

Ion Ratio Lower Upper

79 100

108 31.5 62.7 94.1#

77 117.0 52.2 78.2#



#19

n-Nitroso-di-n-propylamine

Concen: 311.150 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.11 min

Lab File: BF116279.D

Acq: 15 Aug 2019 15:14

Tgt Ion: 70 Resp: 80185

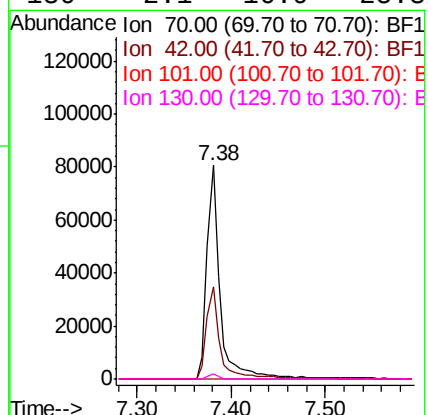
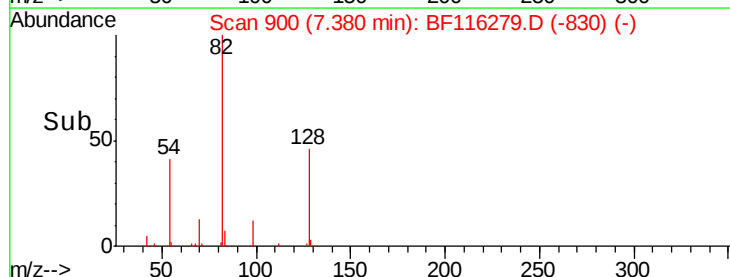
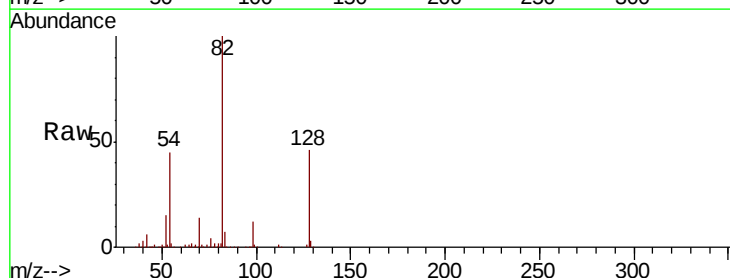
Ion Ratio Lower Upper

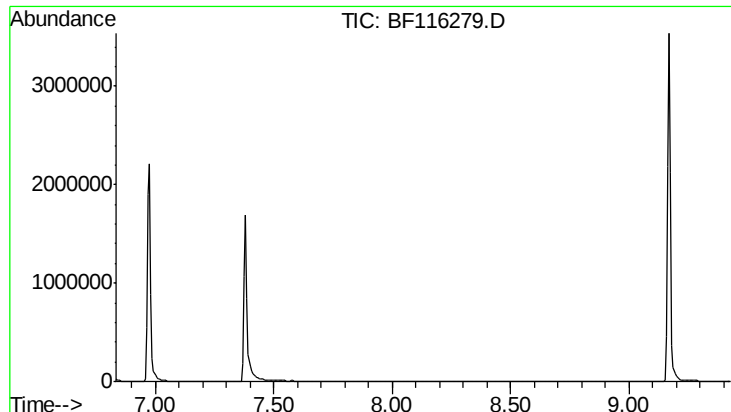
70 100

42 43.0 40.9 61.3

101 0.0 7.9 11.9#

130 2.1 16.9 25.3#

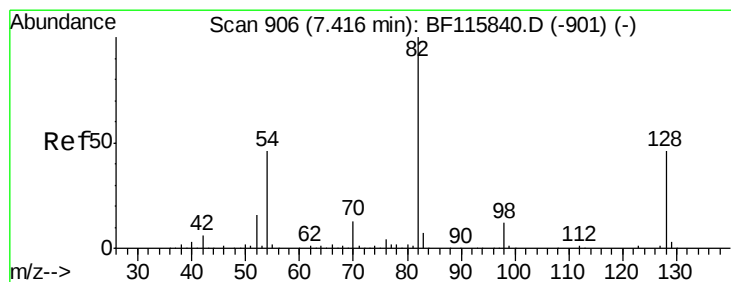
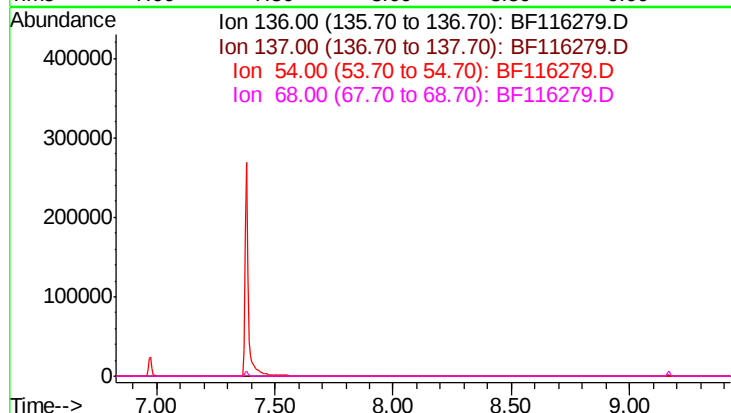




#21
Naphthalene-d8
Concen: 0.000 ng
Expected RT: 8.13 min
Lab File: BF116279.D
Acq: 15 Aug 2019 15:14

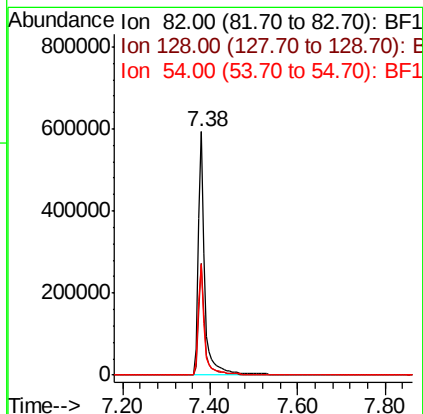
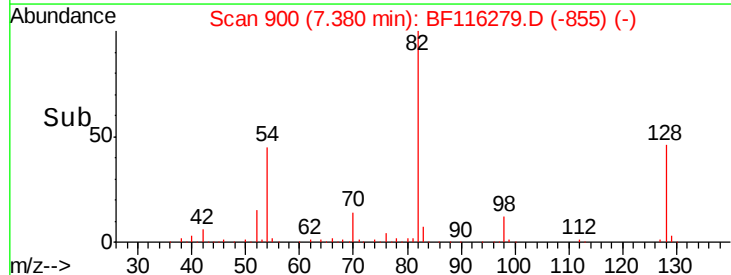
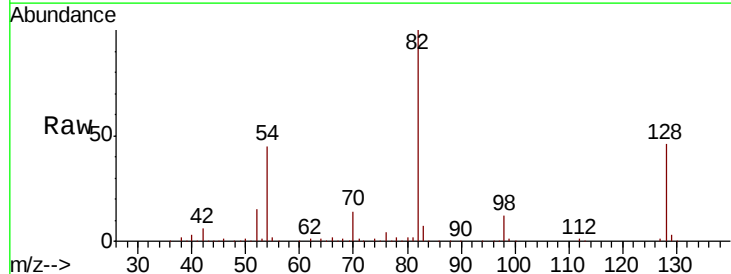
Instrument :
BNA_F
ClientSampleId :

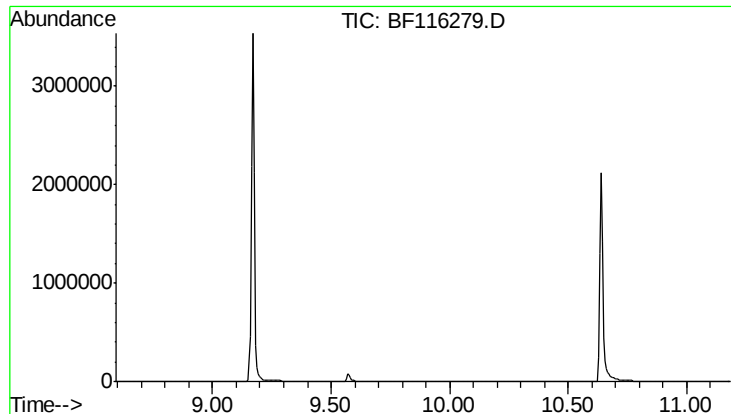
Tot Ion: 136
Sig Exp Ratio
136 100
137 11.2
54 7.2
68 6.5



#23
Nitrobenzene-d5
Concen: 0.000 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.04 min
Lab File: BF116279.D
Acq: 15 Aug 2019 15:14

Tgt Ion: 82 Resp: 615266
Ion Ratio Lower Upper
82 100
128 45.7 36.5 54.7
54 45.3 36.0 54.0





#39

Acenaphthene-d10

Concen: 0.000 ng

Expected RT: 9.89 min

Lab File: BF116279.D

Acq: 15 Aug 2019 15:14

Tot Ion: 164

Sig Exp Ratio

164 100

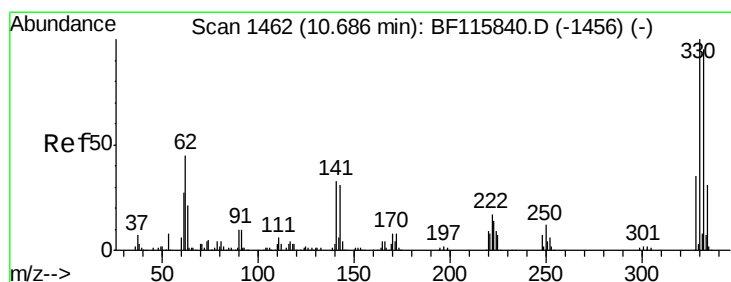
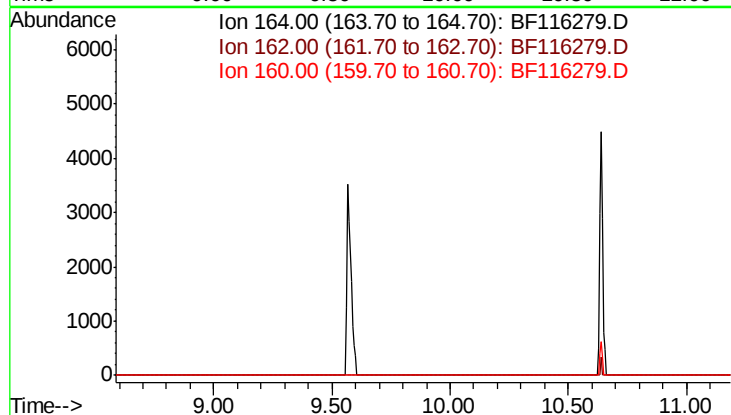
162 103.3

160 47.0

Instrument :

BNA_F

ClientSampleId :



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.04 min

Lab File: BF116279.D

Acq: 15 Aug 2019 15:14

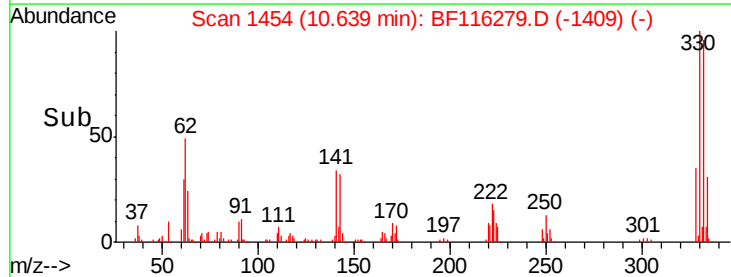
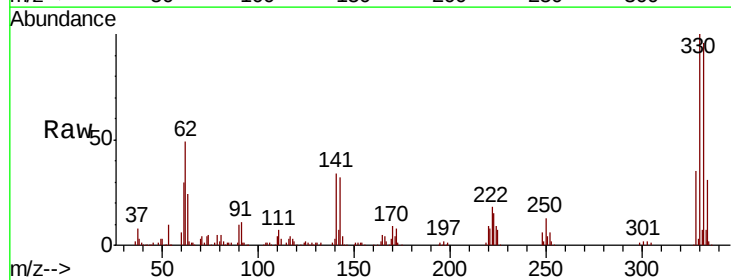
Tgt Ion: 330 Resp: 296920

Ion Ratio Lower Upper

330 100

332 96.0 76.8 115.2

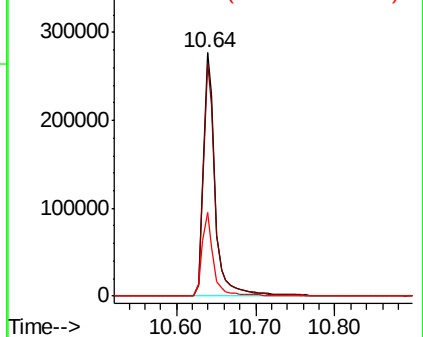
141 33.7 26.3 39.5

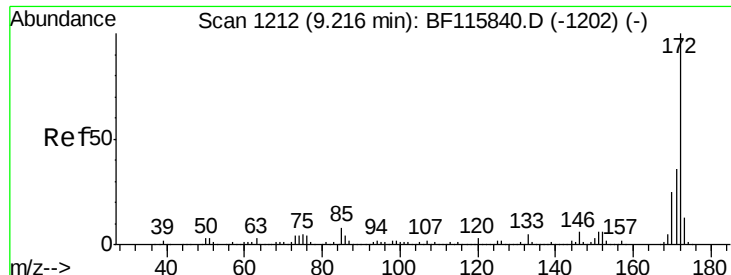


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



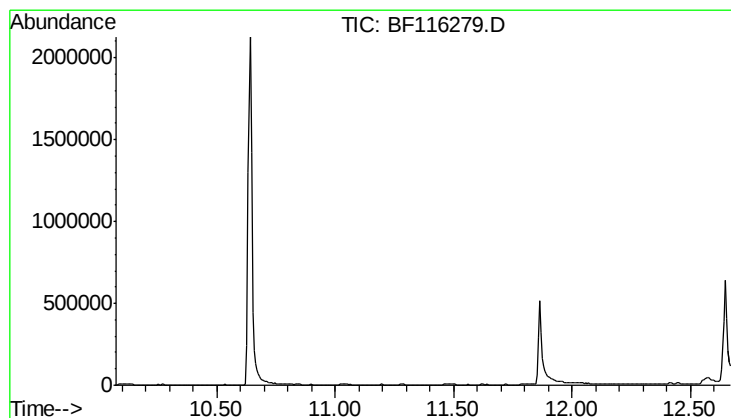
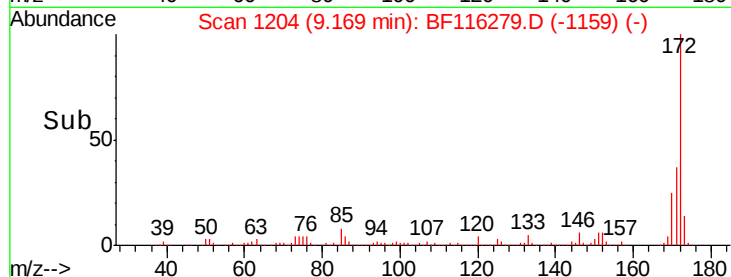
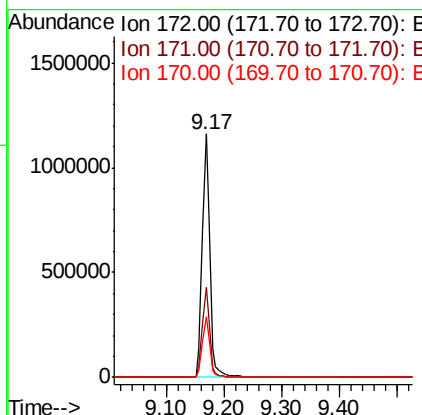
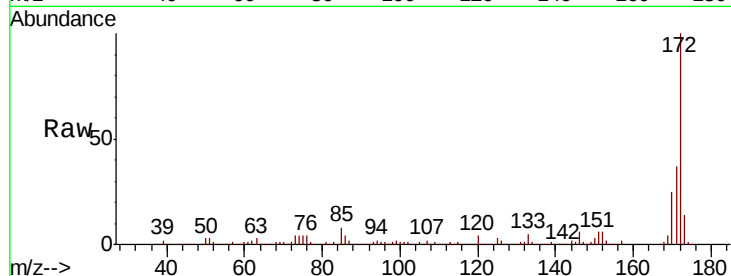


#45
 2-Fluorobiphenyl
 Concen: 0.000 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.04 min
 Lab File: BF116279.D
 Acq: 15 Aug 2019 15:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1098877

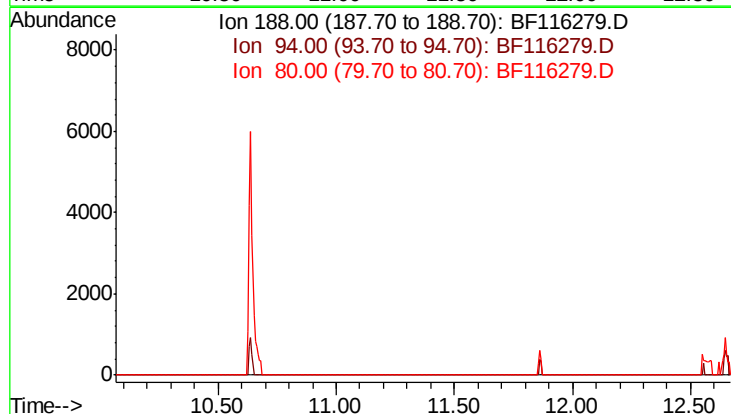
Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.6	44.4
170	25.1	20.1	30.1

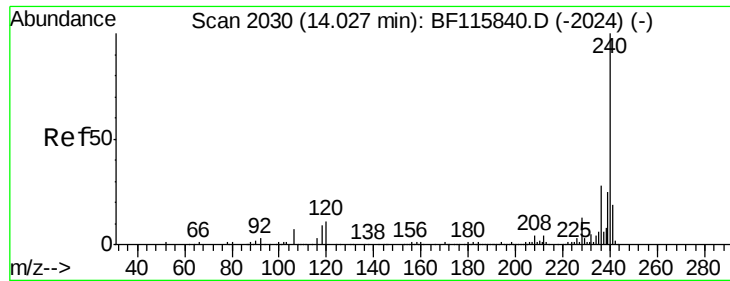


#64
 Phenanthrene-d10
 Concen: 0.000 ng
 Expected RT: 11.37 min
 Lab File: BF116279.D
 Acq: 15 Aug 2019 15:14

Tgt Ion: 188

Sig	Exp Ratio
188	100
94	10.1
80	10.9

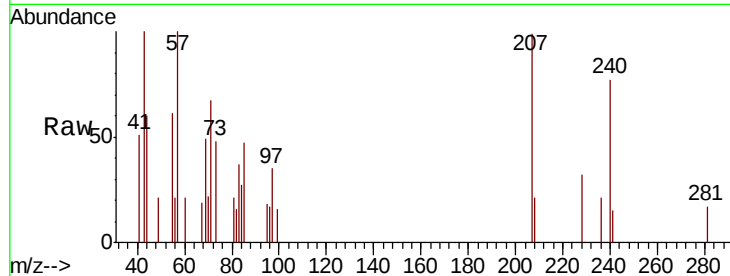




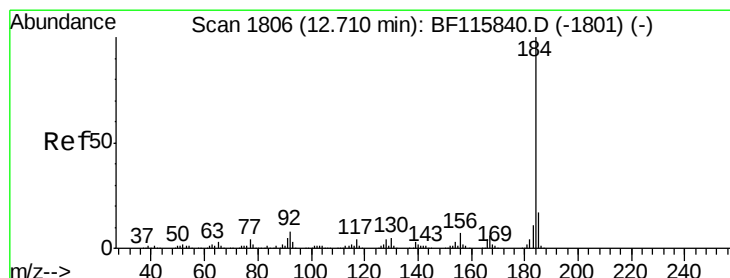
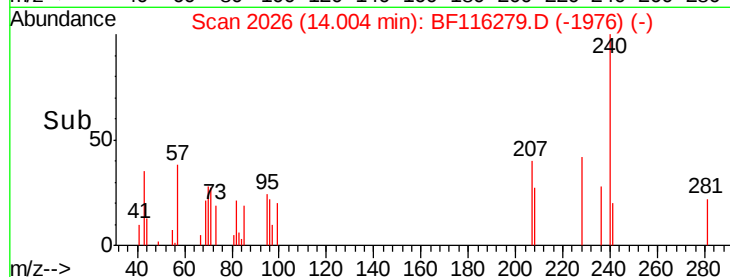
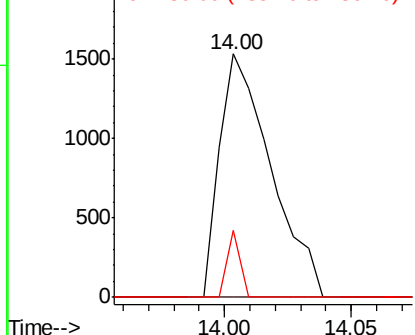
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF116279.D
 Acq: 15 Aug 2019 15:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 2156
 Ion Ratio Lower Upper
 240 100
 120 0.0 10.7 16.1#
 236 27.7 22.2 33.2

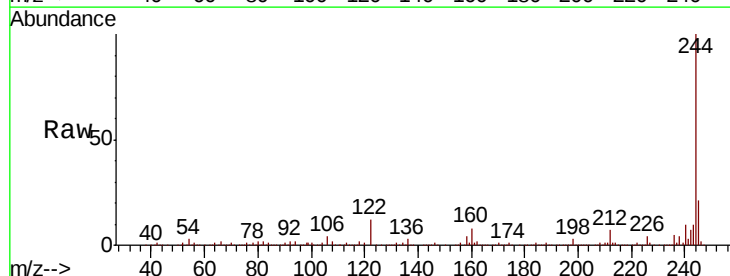


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

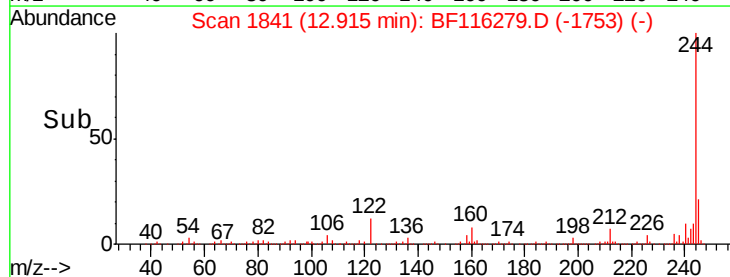
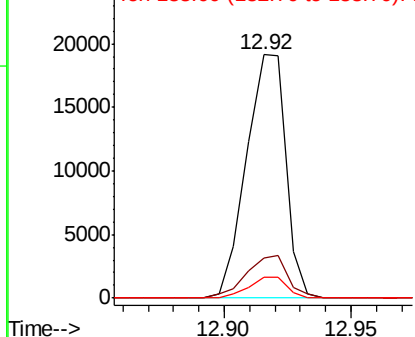


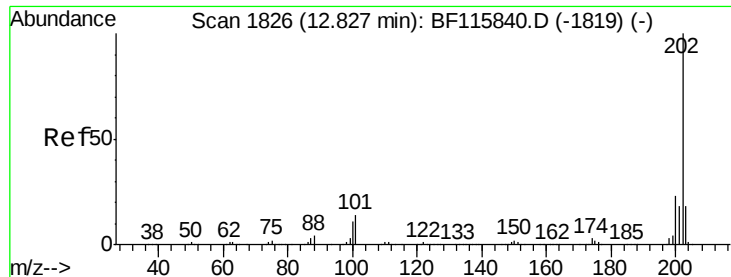
#77
 Benzidine
 Concen: 285.796 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.22 min
 Lab File: BF116279.D
 Acq: 15 Aug 2019 15:14

Tgt Ion:184 Resp: 20817
 Ion Ratio Lower Upper
 184 100
 185 16.6 12.8 19.2
 183 8.7 9.4 14.0#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 185.00 (184.70 to 185.70): E
 Ion 183.00 (182.70 to 183.70): E

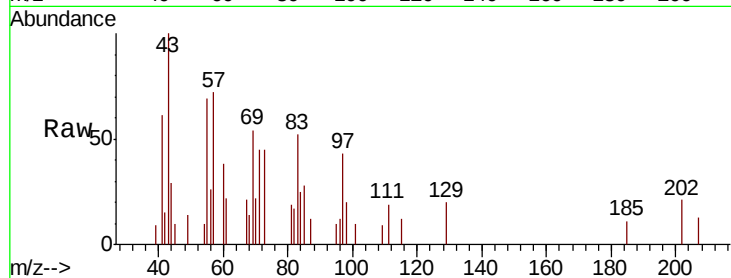




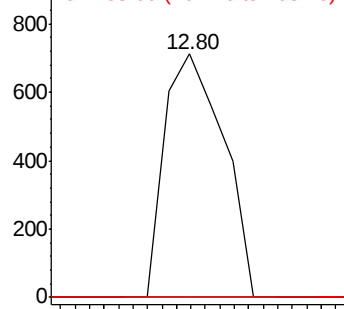
#78
Pvrene
Concen: 4.941 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF116279.D
Acq: 15 Aug 2019 15:14

Instrument :
BNA_F
ClientSampleId :

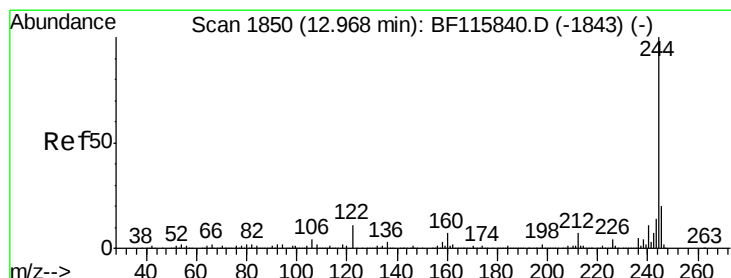
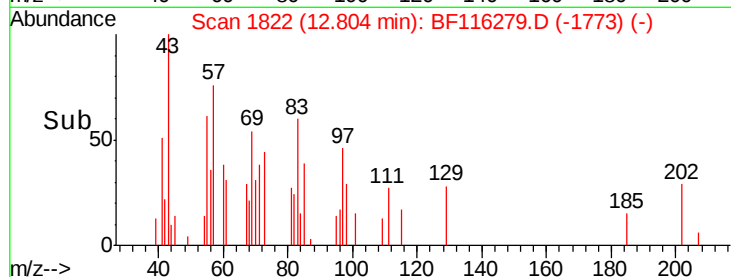
Tot Ion	Ratio	Lower	Upper
202	100		
200	0.0	18.0	27.0#
203	0.0	14.1	21.1#



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

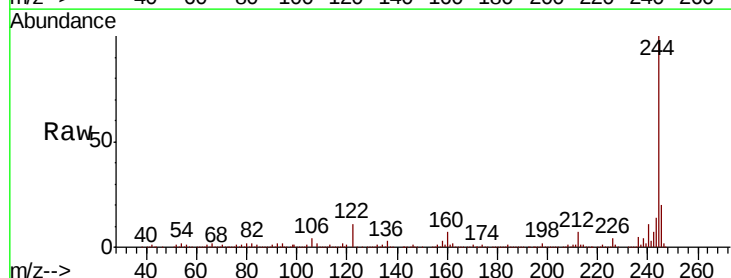


Time-->

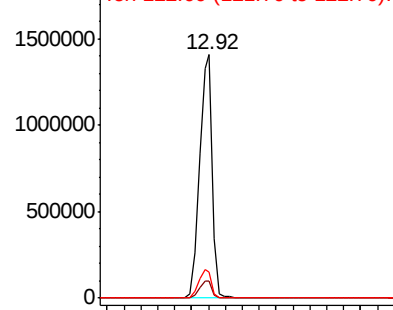


#79
Terphenyl-d14
Concen: 14743.863 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.03 min
Lab File: BF116279.D
Acq: 15 Aug 2019 15:14

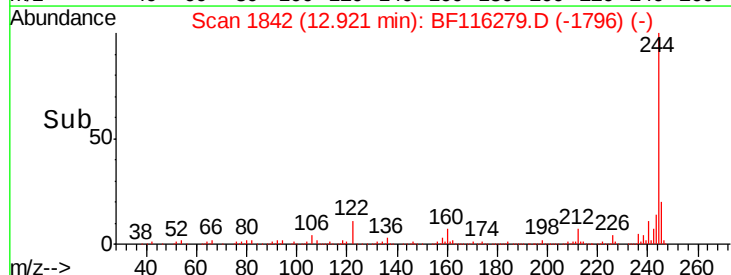
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	10.7	9.0	13.4

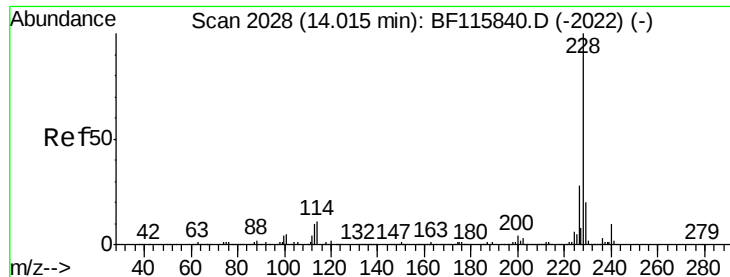


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->





#81

Benzo(a)anthracene

Concen: 8.113 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116279.D

Acq: 15 Aug 2019 15:14

Instrument :

BNA_F

ClientSampleId :

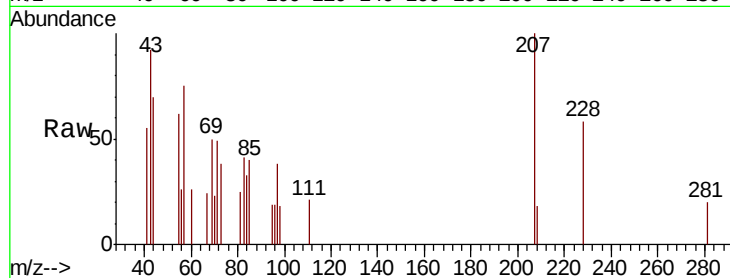
Tot Ion:228 Resp: 1118

Ion Ratio Lower Upper

228 100

226 0.0 22.7 34.1#

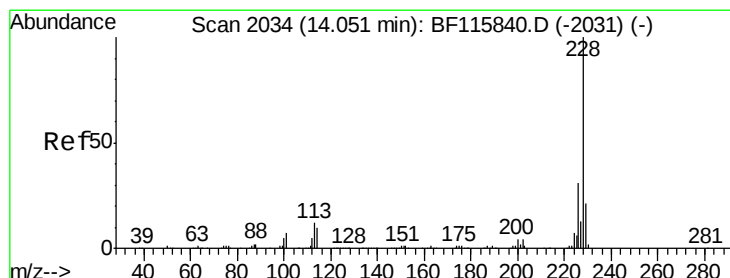
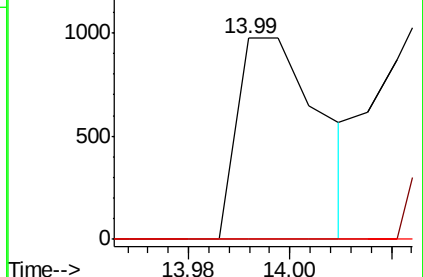
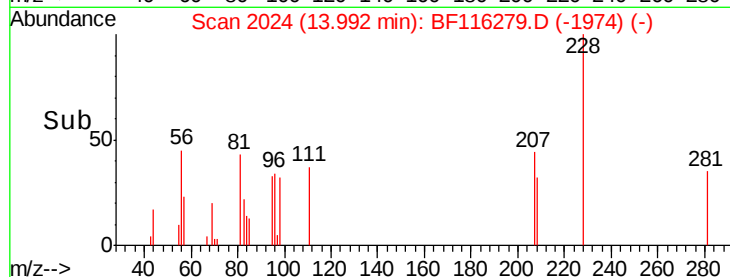
229 0.0 16.2 24.4#



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: 21.691 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF116279.D

Acq: 15 Aug 2019 15:14

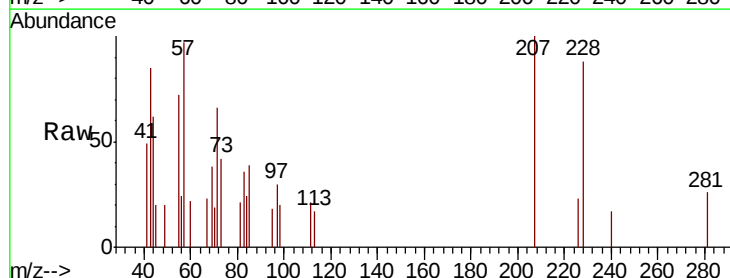
Tgt Ion:228 Resp: 2902

Ion Ratio Lower Upper

228 100

226 26.1 25.5 38.3

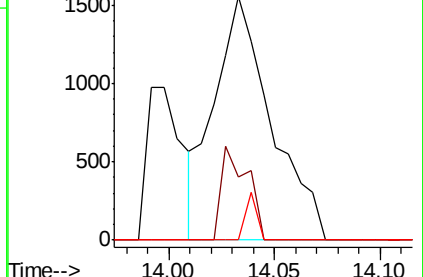
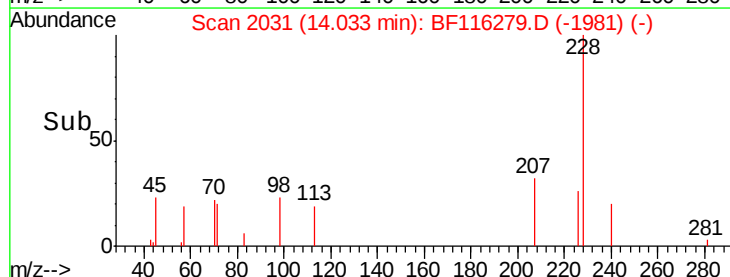
229 0.0 16.6 24.8#

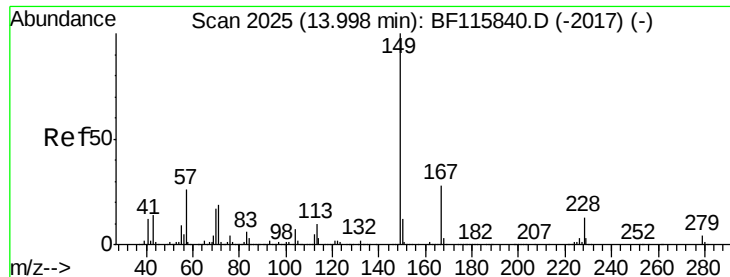


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 81.455 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.04 min

Lab File: BF116279.D

Acq: 15 Aug 2019 15:14

Instrument :

BNA_F

ClientSampleId :

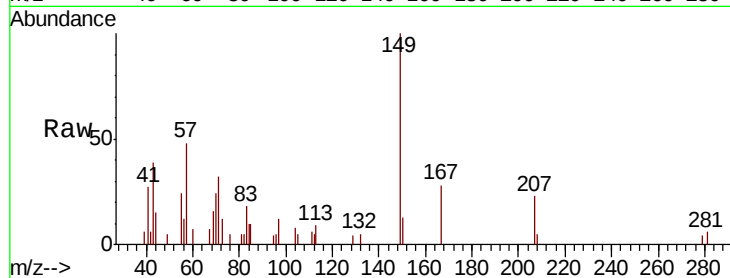
Tot Ion:149 Resp: 7277

Ion Ratio Lower Upper

149 100

167 28.2 21.6 32.4

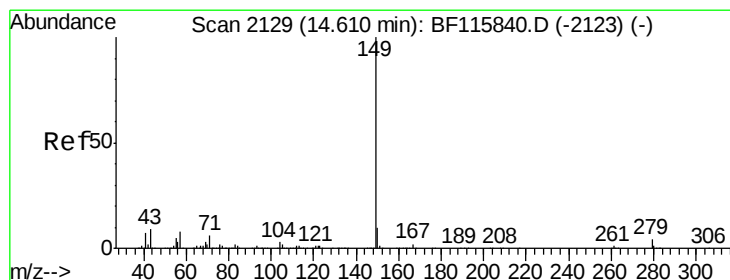
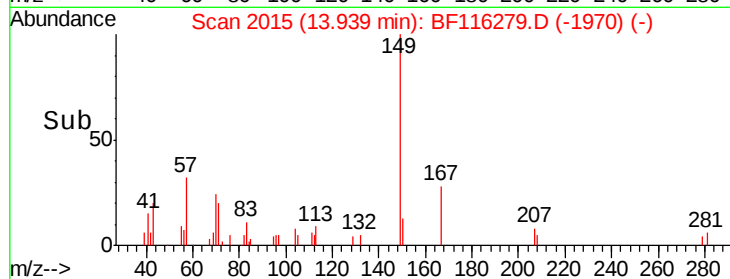
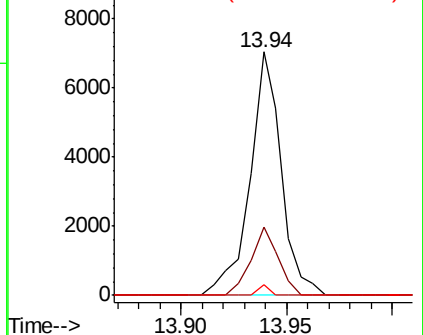
279 4.5 3.0 4.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 7.689 ng

RT: 14.59 min Scan# 2125

Delta R.T. -0.00 min

Lab File: BF116279.D

Acq: 15 Aug 2019 15:14

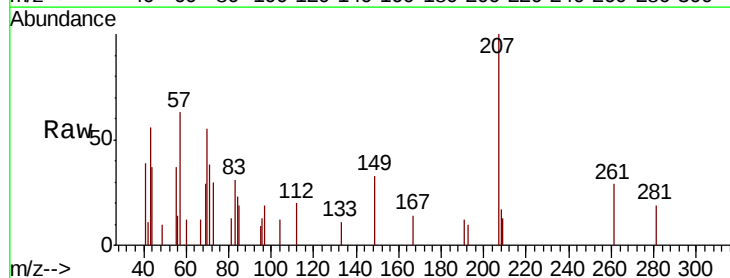
Tgt Ion:149 Resp: 1091

Ion Ratio Lower Upper

149 100

167 31.2 1.4 2.0#

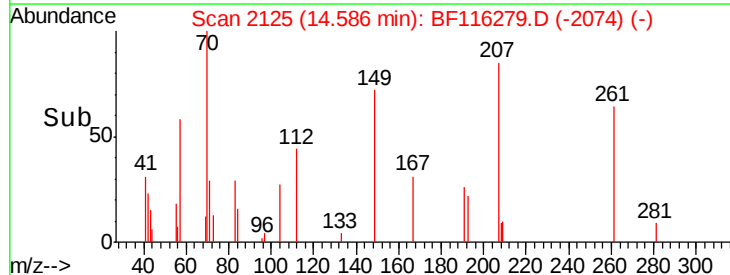
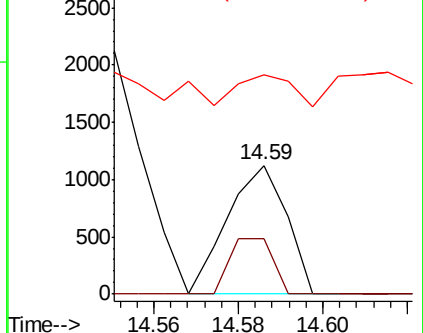
43 0.0 7.5 11.3#

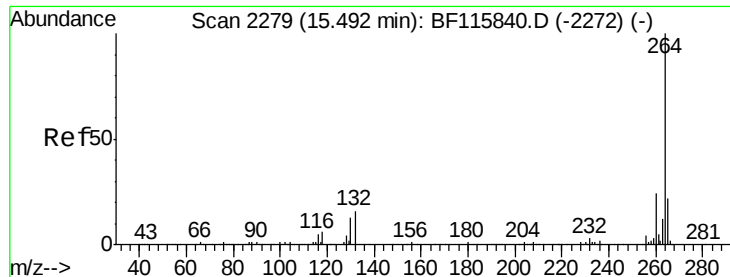


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. 0.02 min

Lab File: BF116279.D

Acq: 15 Aug 2019 15:14

Instrument :

BNA_F

ClientSampleId :

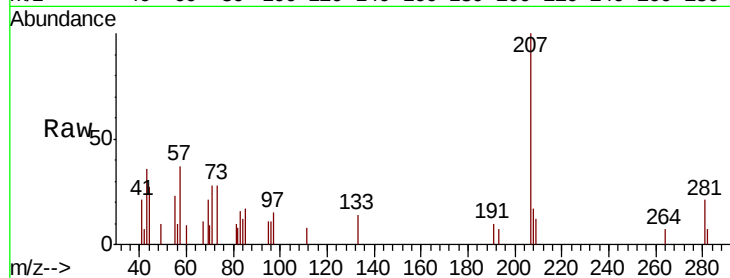
Tot Ion:264 Resp: 116

Ion Ratio Lower Upper

264 100

260 0.0 19.7 29.5#

265 0.0 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

15.50

400

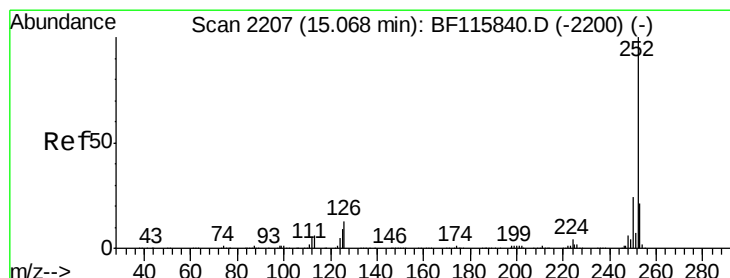
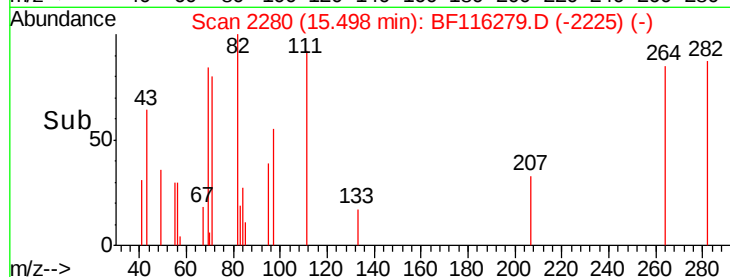
300

200

100

0

Time-->



#88

Benzo(b)fluoranthene

Concen: 407.916 ng

RT: 15.08 min Scan# 2209

Delta R.T. 0.03 min

Lab File: BF116279.D

Acq: 15 Aug 2019 15:14

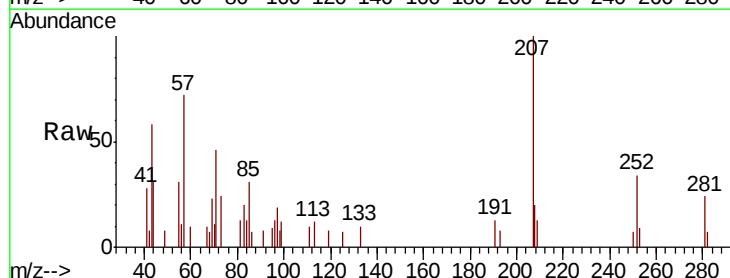
Tgt Ion:252 Resp: 2736

Ion Ratio Lower Upper

252 100

253 26.0 17.8 26.8

125 22.0 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

3000

2500

2000

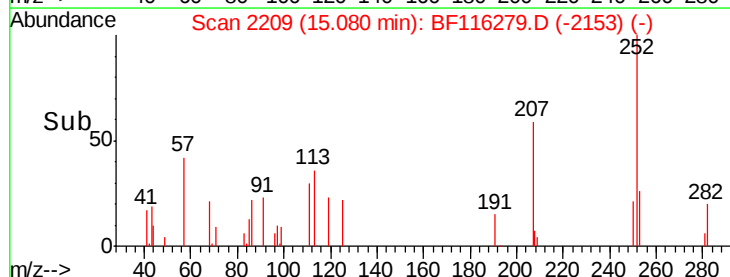
1500

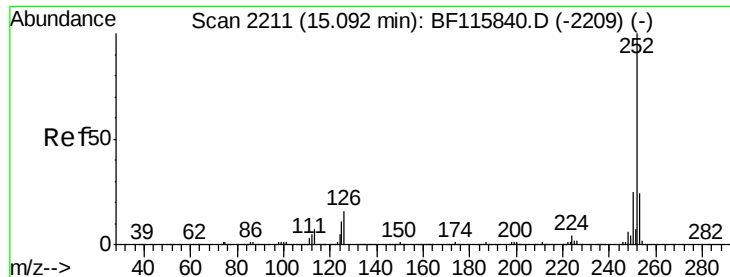
1000

500

0

Time-->

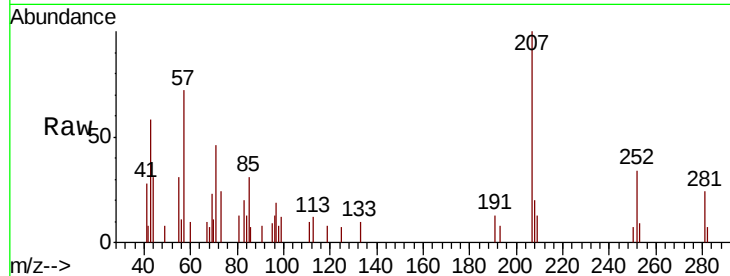




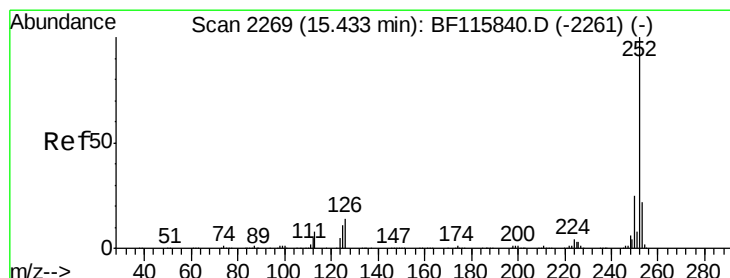
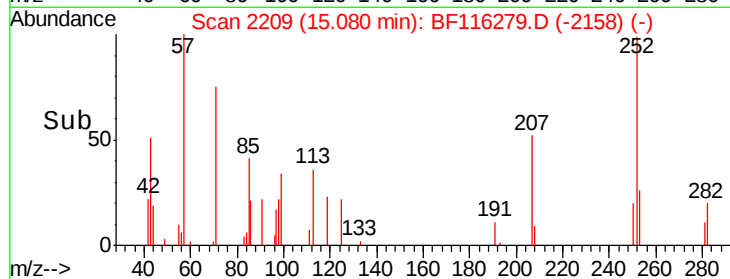
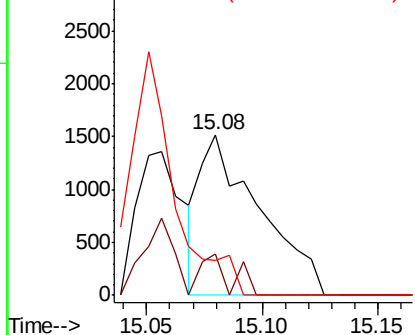
#89
Benzo(k)fluoranthene
Concen: 418.800 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.00 min
Lab File: BF116279.D
Acq: 15 Aug 2019 15:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 2736
Ion Ratio Lower Upper
252 100
253 26.0 17.8 26.8
125 22.0 7.7 11.5#

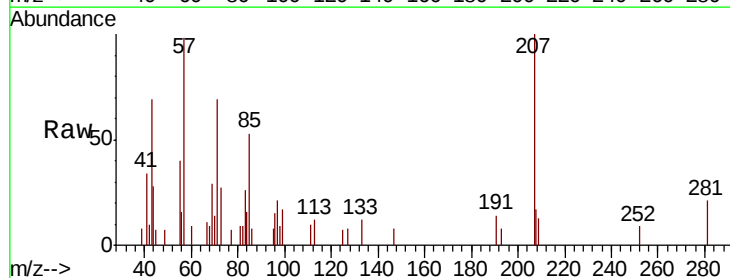


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 43.864 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.03 min
Lab File: BF116279.D
Acq: 15 Aug 2019 15:14

Tgt Ion:252 Resp: 263
Ion Ratio Lower Upper
252 100
253 0.0 18.0 27.0#
125 78.9 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

