

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
 Data File : BF116176.D
 Acq On : 11 Aug 2019 5:25
 Operator : HP/JU
 Sample : K4165-05
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 12 04:25:06 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	6.84	152	162873	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	609871	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	287399	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	402689	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	281979	20.00	ng	-0.01
87) Perylene-d12	15.47	264	260290	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	990748	101.83	ng	0.00
7) Phenol-d6	6.48	99	1252142	102.01	ng	0.00
23) Nitrobenzene-d5	7.40	82	832640	78.81	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	249279	89.46	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1269369	82.73	ng	-0.01
79) Terphenyl-d14	12.94	244	950343	71.02	ng	-0.01

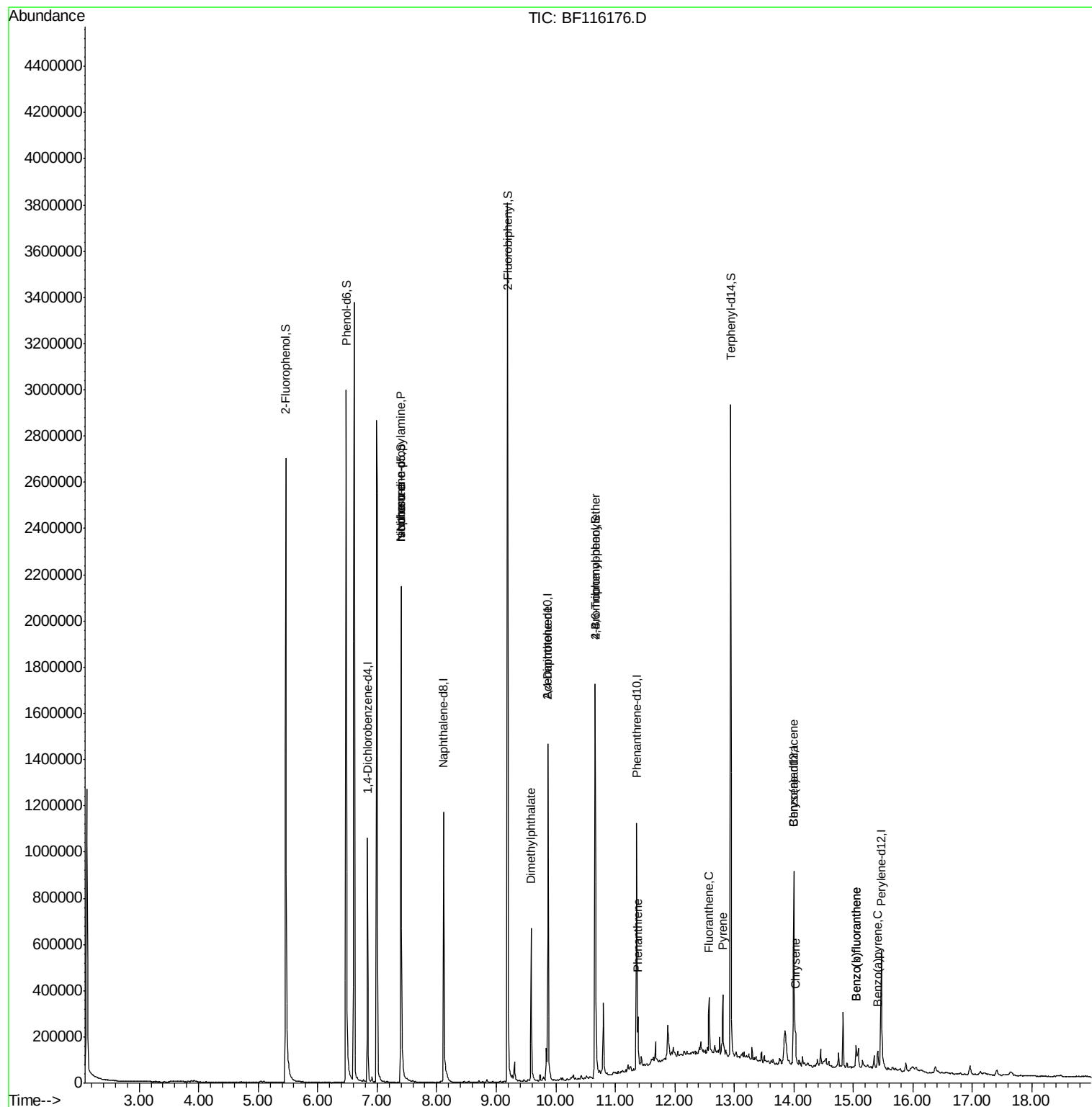
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	109159	14.351	ng	# 79
25) Isophorone	7.40	82	833287	41.246	ng	# 65
50) Dimethylphthalate	9.59	163	320024	16.354	ng	99
57) 2,4-Dinitrotoluene	9.87	165	37007	6.536	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	14987	3.477	ng	# 1
71) Phenanthrene	11.38	178	78630	3.820	ng	97
75) Fluoranthene	12.57	202	104283	4.839	ng	100
78) Pyrene	12.80	202	99709	4.691	ng	98
81) Benzo(a)anthracene	13.99	228	47598	2.641	ng	98
83) Chrysene	14.03	228	43510	2.487	ng	99
88) Benzo(b)fluoranthene	15.04	252	70968	4.715	ng	# 95
89) Benzo(k)fluoranthene	15.04	252	70968	4.841	ng	# 94
90) Benzo(a)pyrene	15.41	252	37408	2.780	ng	# 93

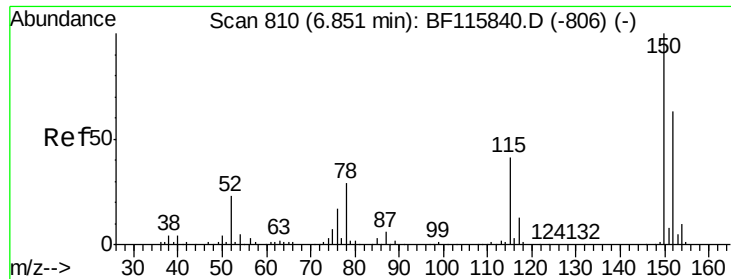
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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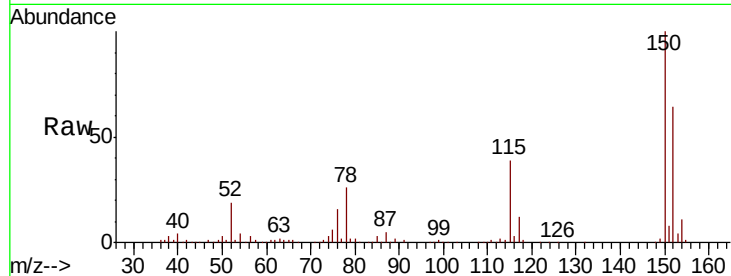




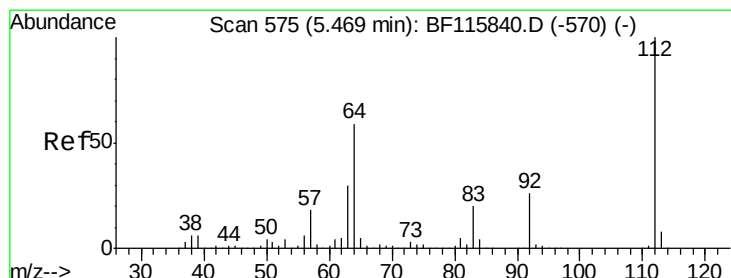
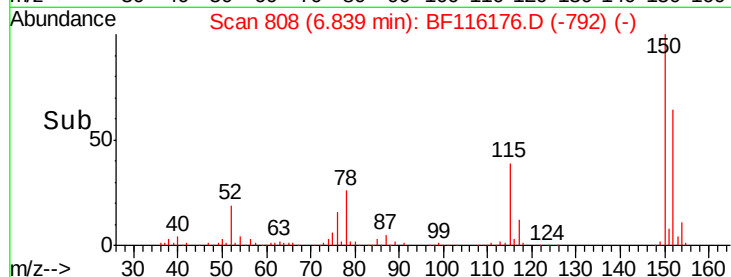
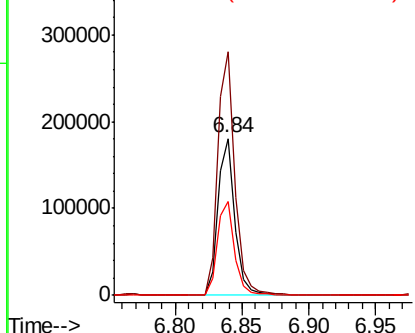
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BF116176.D
 Acq: 11 Aug 2019 5:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 162873
 Ion Ratio Lower Upper
 152 100
 150 155.1 126.2 189.2
 115 60.1 49.9 74.9

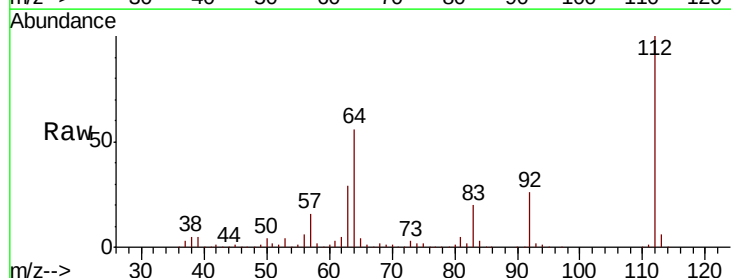


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

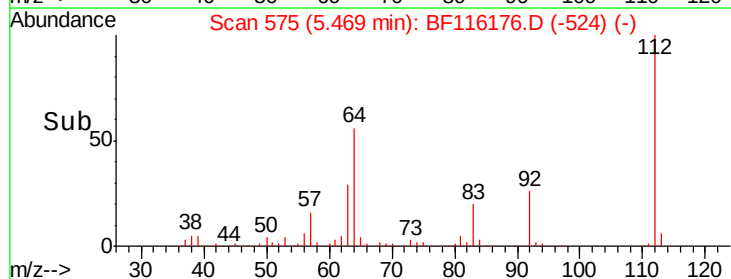
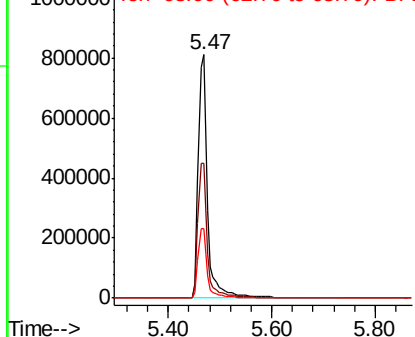


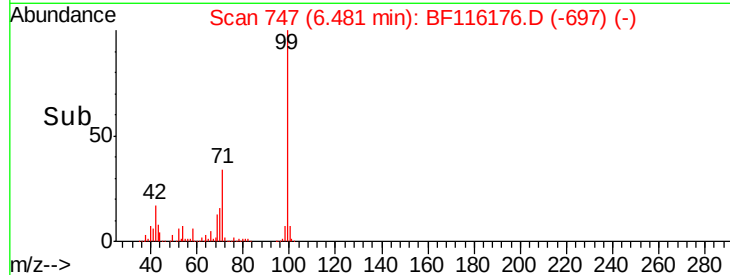
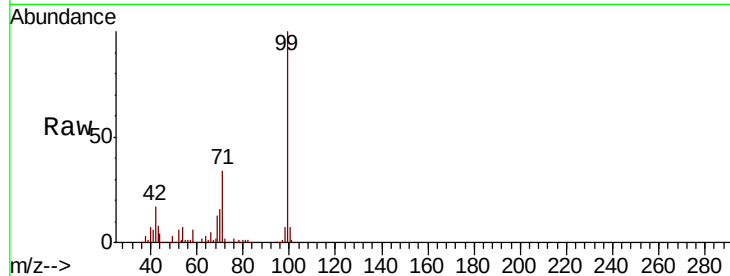
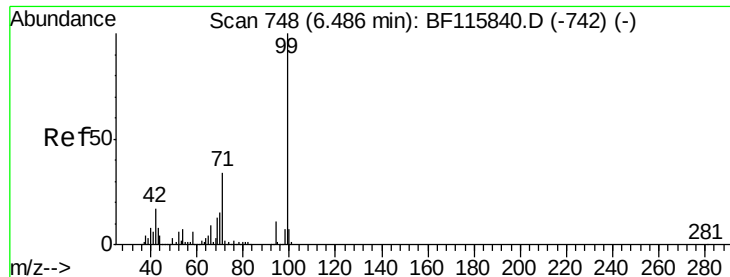
#5
 2-Fluorophenol
 Concen: 101.832 ng
 RT: 5.47 min Scan# 575
 Delta R.T. -0.00 min
 Lab File: BF116176.D
 Acq: 11 Aug 2019 5:25

Tgt Ion:112 Resp: 990748
 Ion Ratio Lower Upper
 112 100
 64 55.5 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: 102.007 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116176.D

Acq: 11 Aug 2019 5:25

Instrument :

BNA_F

ClientSampled :

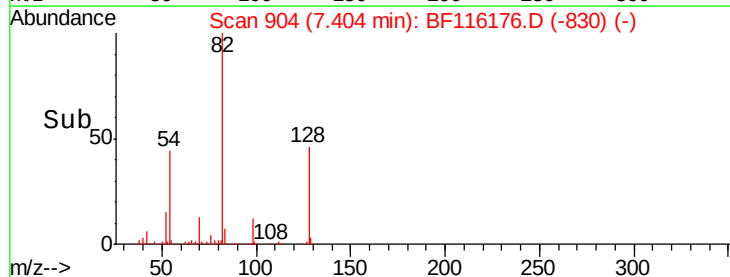
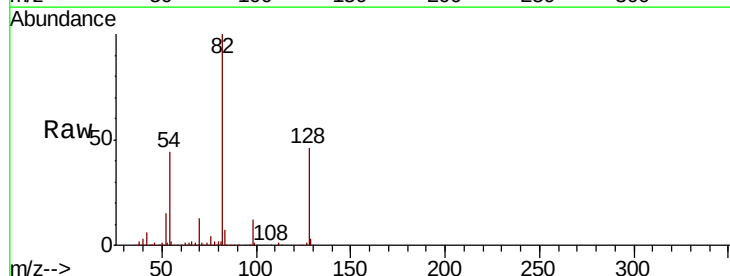
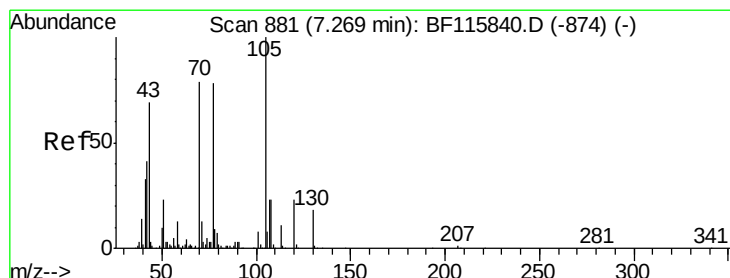
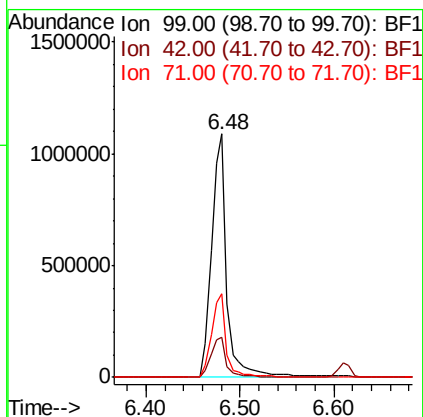
Tot Ion: 99 Resp: 1252142

Ion Ratio Lower Upper

99 100

42 16.7 13.8 20.8

71 34.4 27.3 40.9



#19

n-Nitroso-di-n-propylamine

Concen: 14.351 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116176.D

Acq: 11 Aug 2019 5:25

Tgt Ion: 70 Resp: 109159

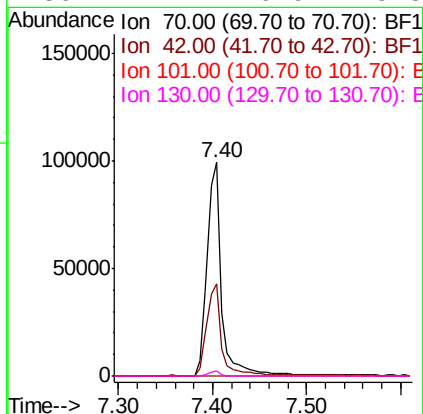
Ion Ratio Lower Upper

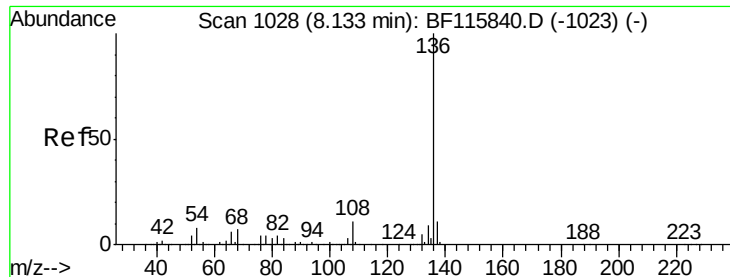
70 100

42 43.2 40.9 61.3

101 0.0 7.9 11.9#

130 2.2 16.9 25.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116176.D

Acq: 11 Aug 2019 5:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 609871

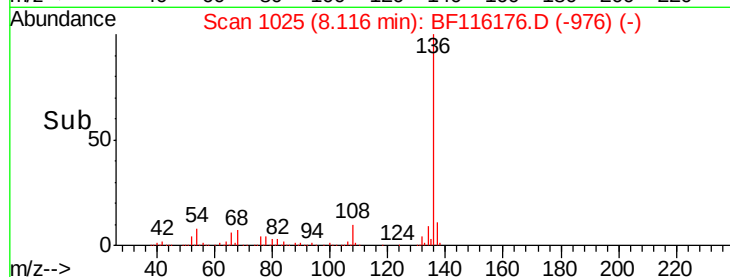
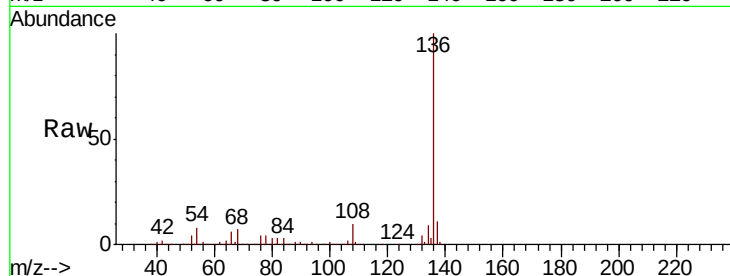
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 7.6 5.8 8.6

68 6.7 5.2 7.8

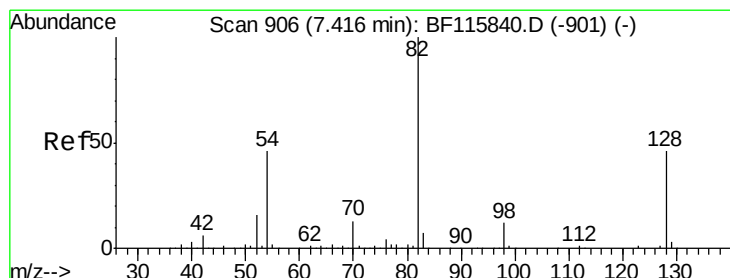
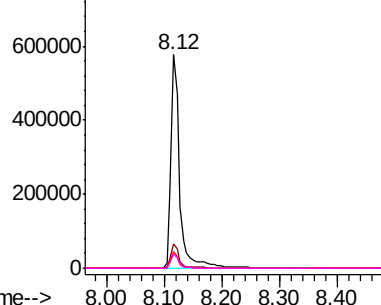


Abundance Ion 136.00 (135.70 to 136.70): E

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: 78.808 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116176.D

Acq: 11 Aug 2019 5:25

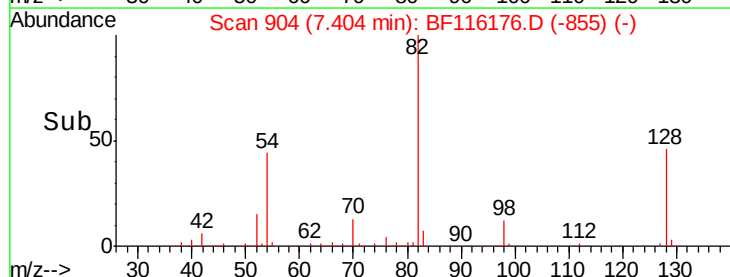
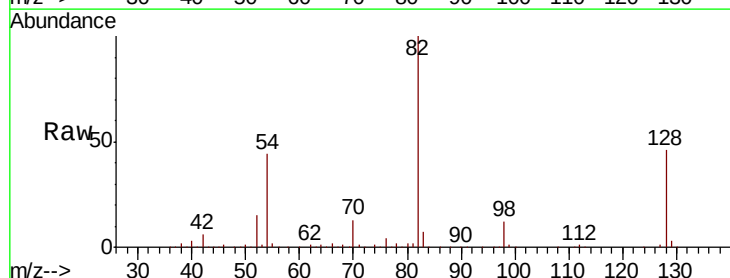
Tgt Ion: 82 Resp: 832640

Ion Ratio Lower Upper

82 100

128 46.5 36.5 54.7

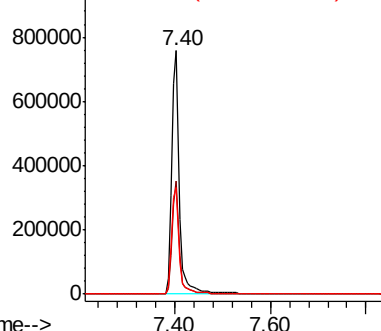
54 44.1 36.0 54.0

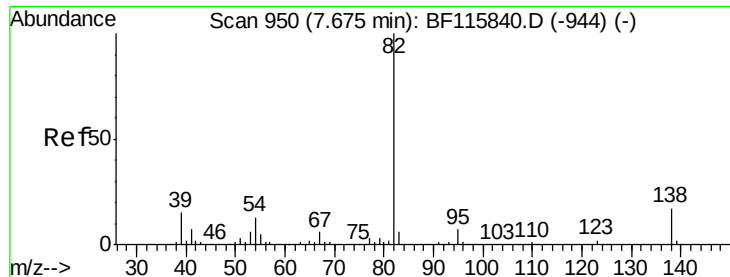


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 41.246 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF116176.D

Acq: 11 Aug 2019 5:25

Instrument :

BNA_F

ClientSampleId :

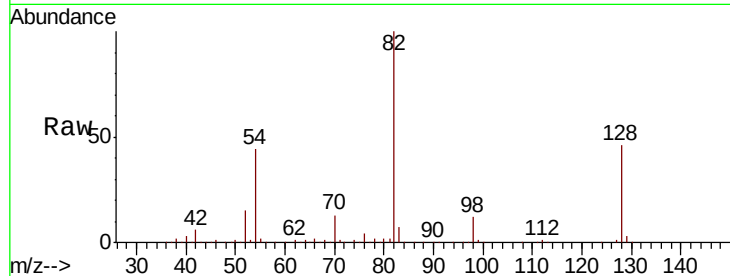
Tot Ion: 82 Resp: 833287

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

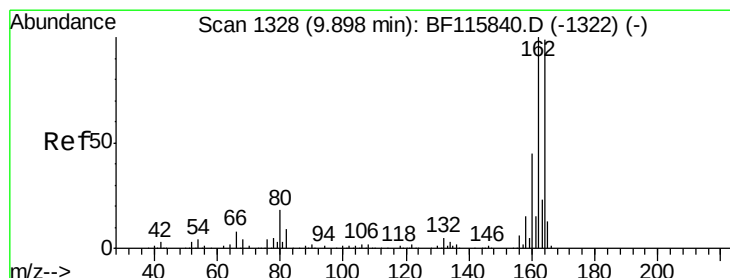
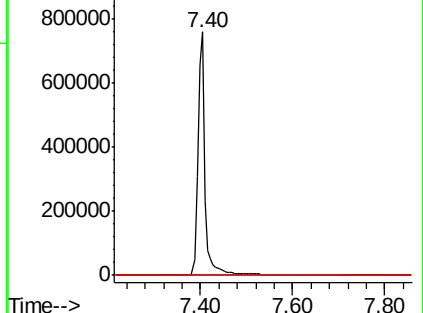
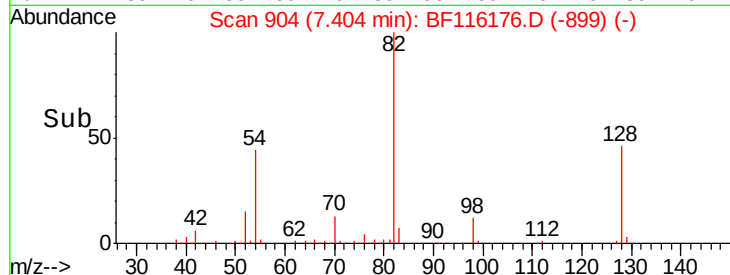
138 0.0 14.5 21.7#



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: BF116176.D

Acq: 11 Aug 2019 5:25

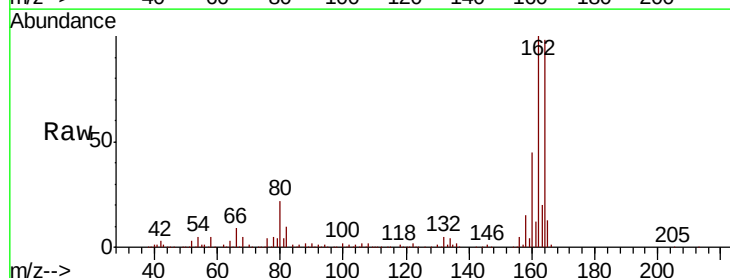
Tgt Ion: 164 Resp: 287399

Ion Ratio Lower Upper

164 100

162 101.7 82.6 124.0

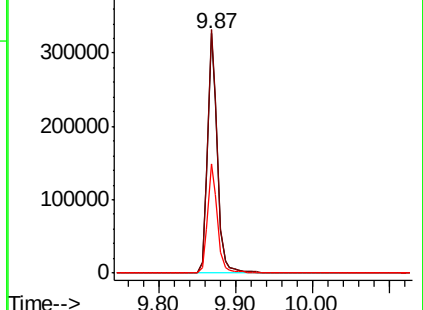
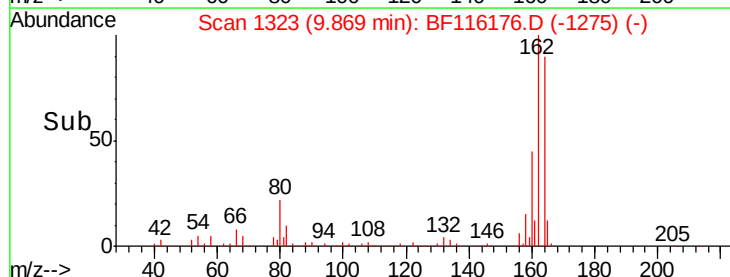
160 45.6 37.6 56.4

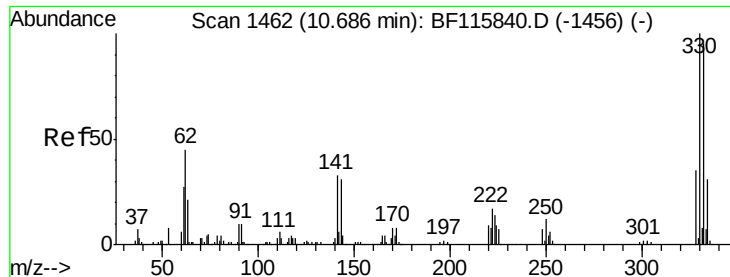


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

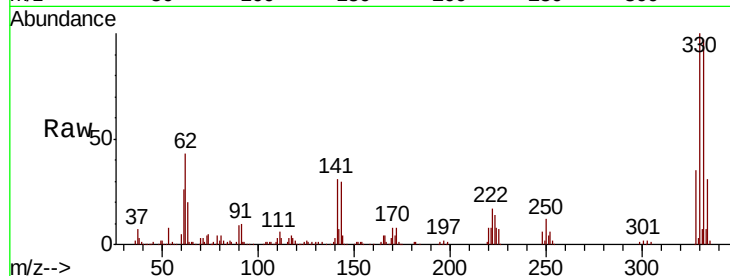




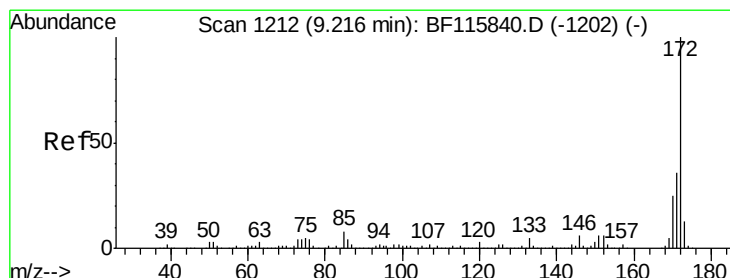
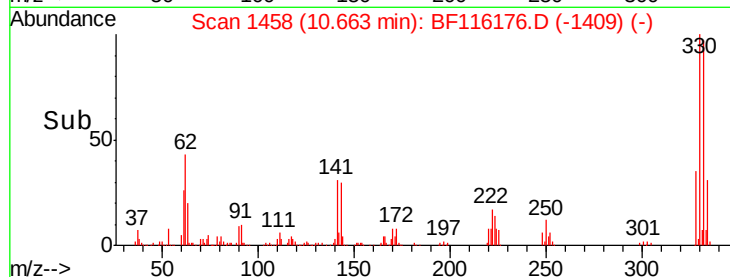
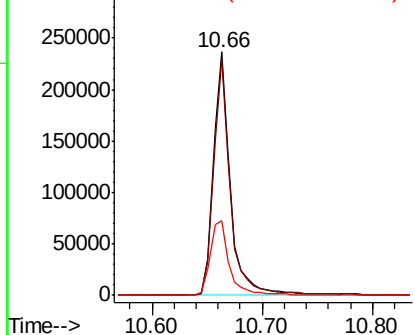
#42
 2,4,6-Tribromophenol
 Concen: 89.462 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116176.D
 Acq: 11 Aug 2019 5:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 249279
 Ion Ratio Lower Upper
 330 100
 332 97.4 76.8 115.2
 141 34.5 26.3 39.5

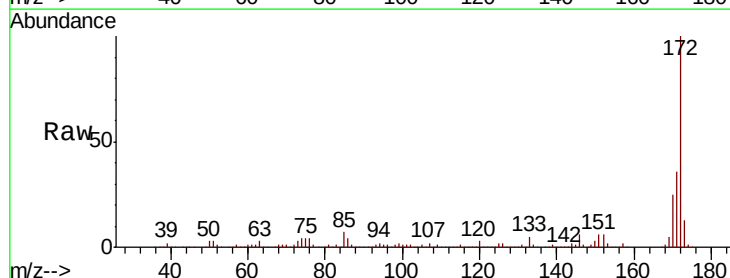


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

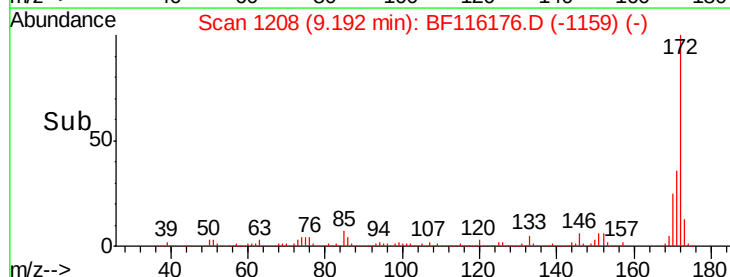
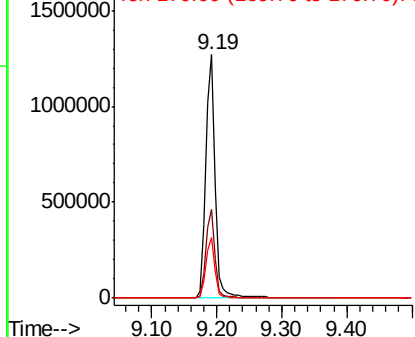


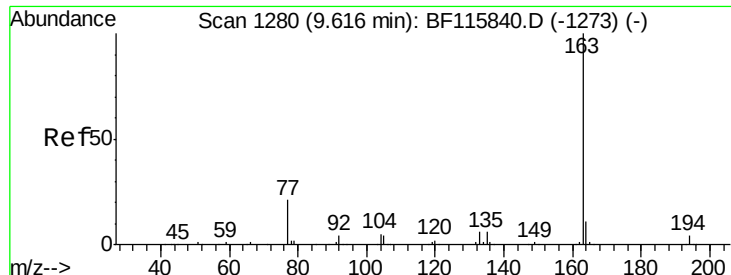
#45
 2-Fluorobiphenyl
 Concen: 82.729 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF116176.D
 Acq: 11 Aug 2019 5:25

Tgt Ion:172 Resp: 1269369
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.6 44.4
 170 24.8 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

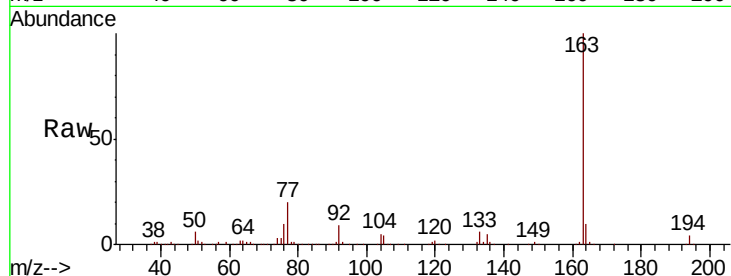




#50
Dimethylphthalate
Concen: 16.354 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF116176.D
Acq: 11 Aug 2019 5:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	10.0	8.4	12.6

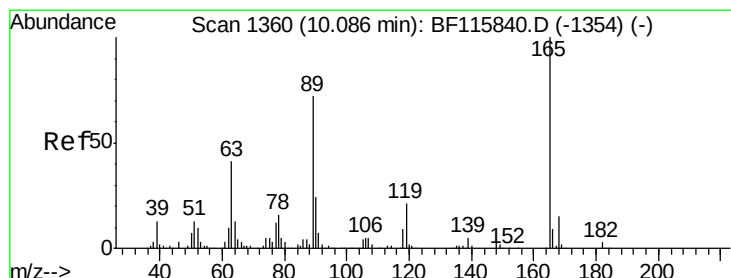
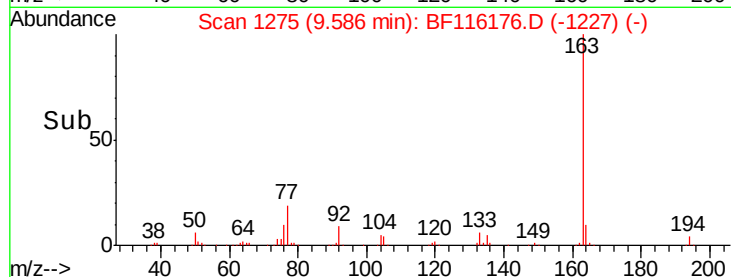
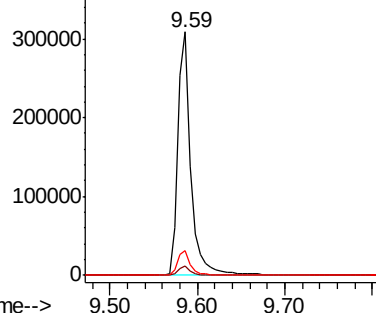


Abundance

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



#57
2,4-Dinitrotoluene
Concen: 6.536 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.21 min
Lab File: BF116176.D
Acq: 11 Aug 2019 5:25

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	39.6	59.4#
89	1.5	62.2	93.2#
182	0.0	2.1	3.1#

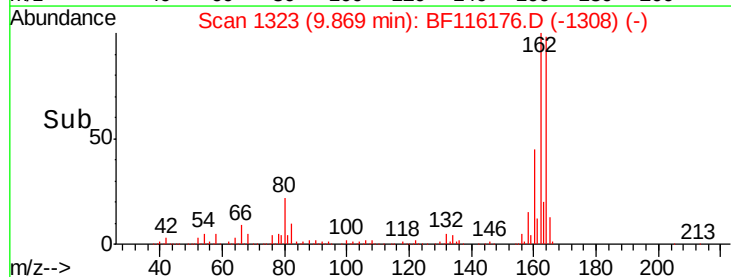
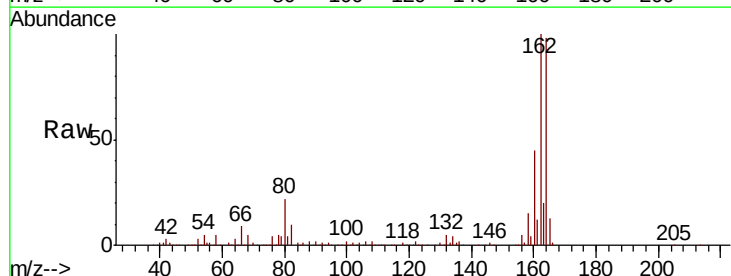
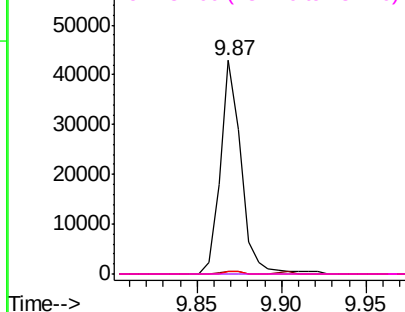
Abundance

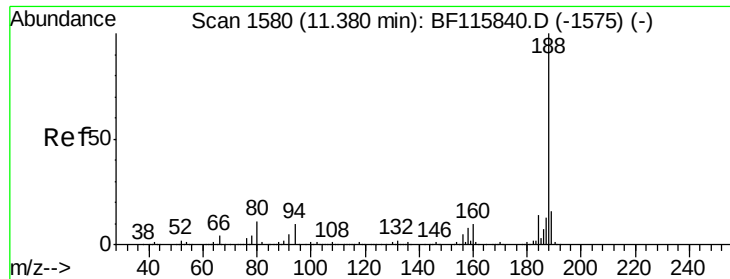
Ion 165.00 (164.70 to 165.70): E

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

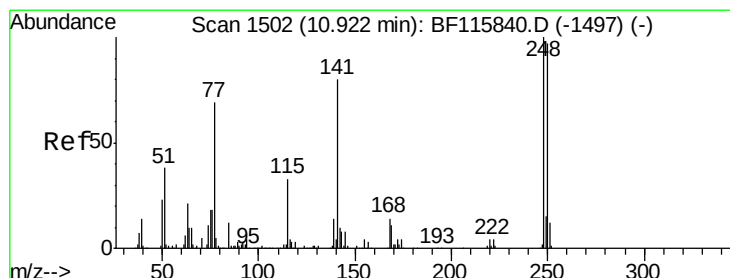
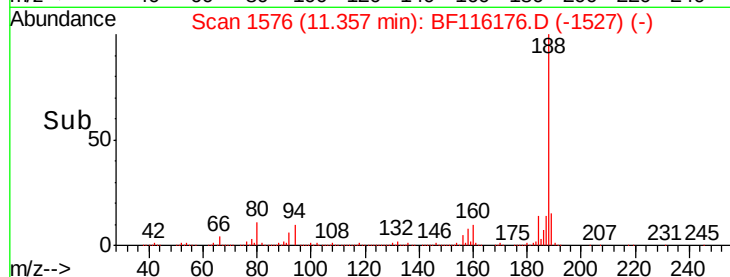
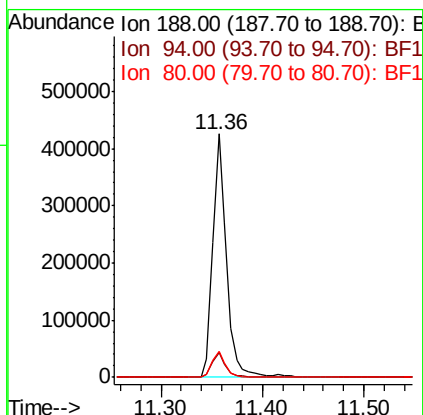
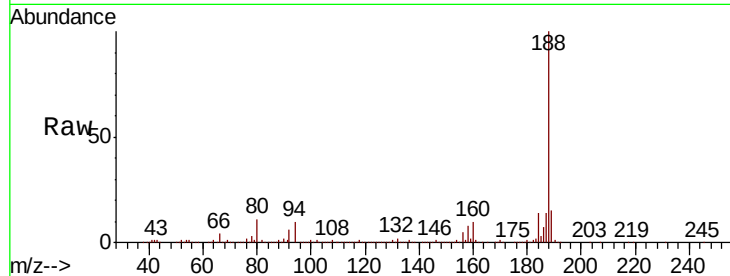




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116176.D
 Acq: 11 Aug 2019 5:25

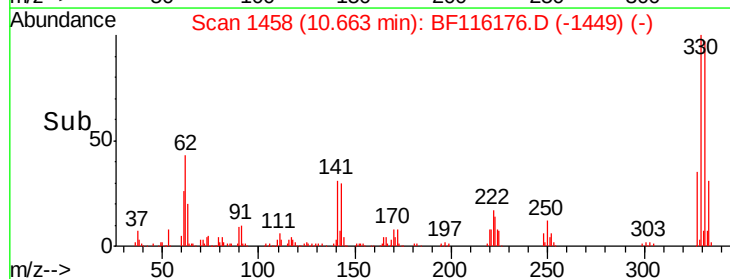
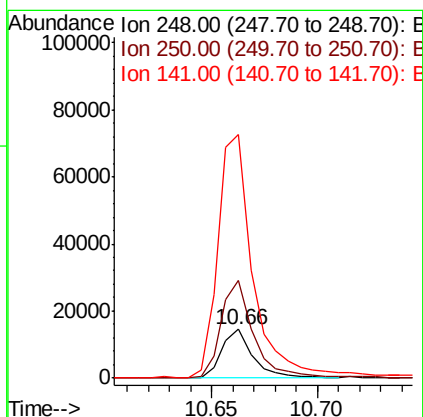
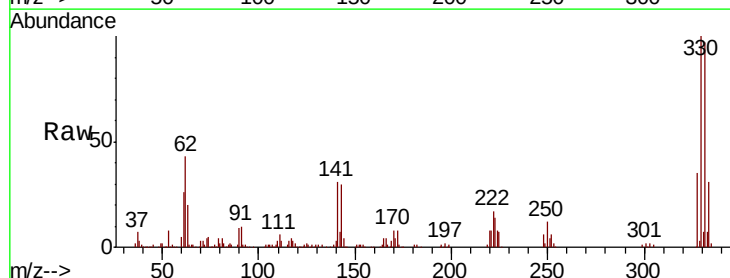
Instrument :
 BNA_F
 ClientSampleId :

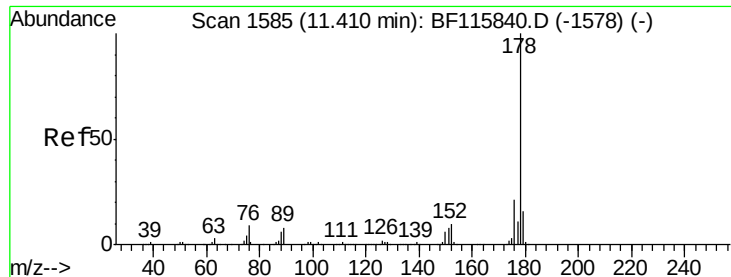
Tot Ion:188 Resp: 402689
 Ion Ratio Lower Upper
 188 100
 94 10.0 8.1 12.1
 80 10.7 8.7 13.1



#67
 4-Bromophenyl-phenylether
 Concen: 3.477 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116176.D
 Acq: 11 Aug 2019 5:25

Tgt Ion:248 Resp: 14987
 Ion Ratio Lower Upper
 248 100
 250 201.9 77.4 116.2#
 141 500.7 56.8 85.2#

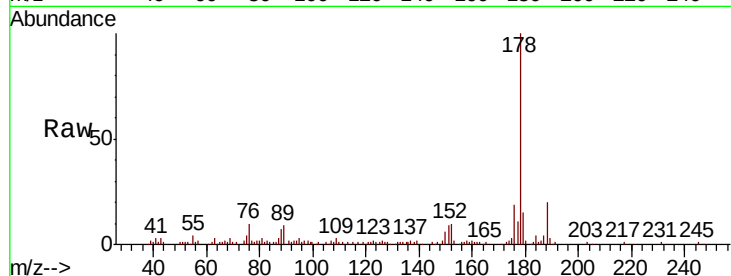




#71
Phenanthrene
Concen: 3.820 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF116176.D
Acq: 11 Aug 2019 5:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.6	24.8
179	14.7	12.5	18.7

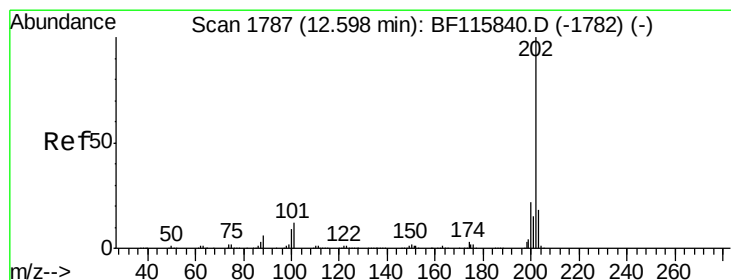
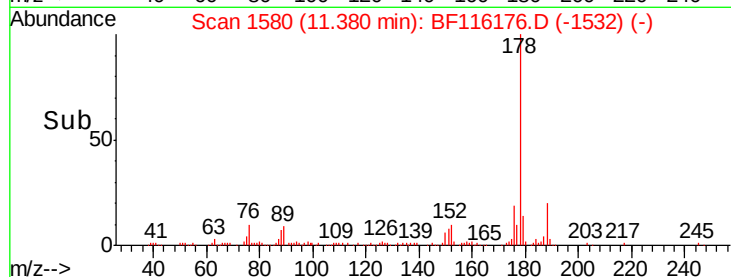
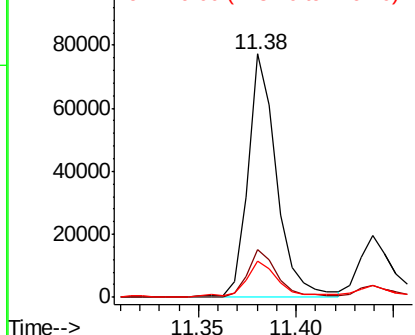


Abundance

Ion 178.00 (177.70 to 178.70): E

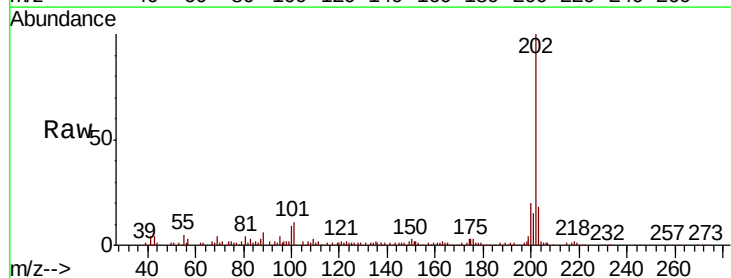
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
Fluoranthene
Concen: 4.839 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF116176.D
Acq: 11 Aug 2019 5:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.2
203	17.8	0.0	37.8

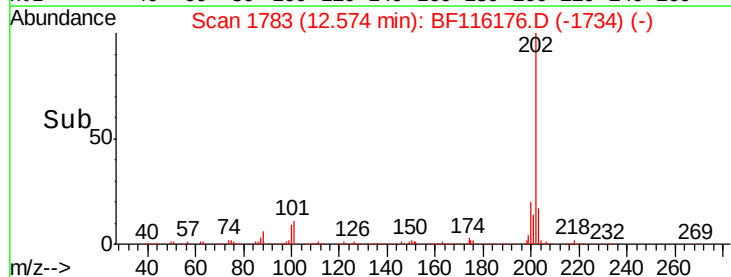
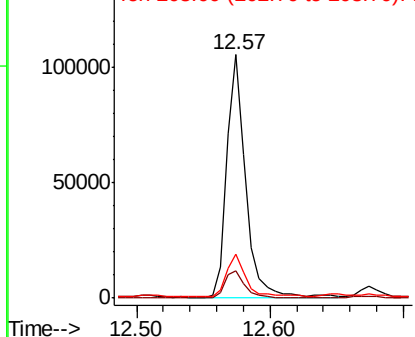


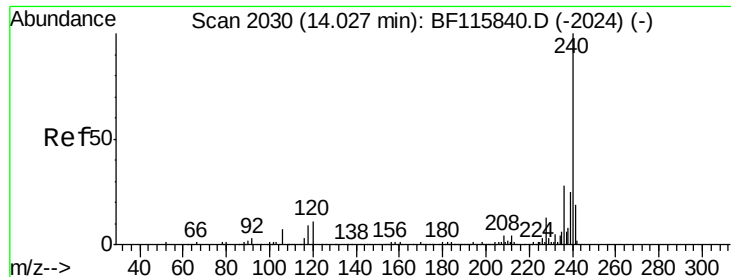
Abundance

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

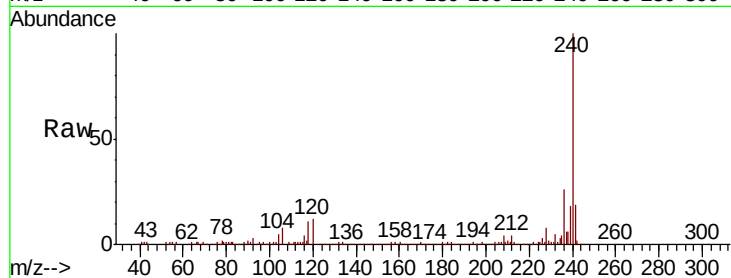




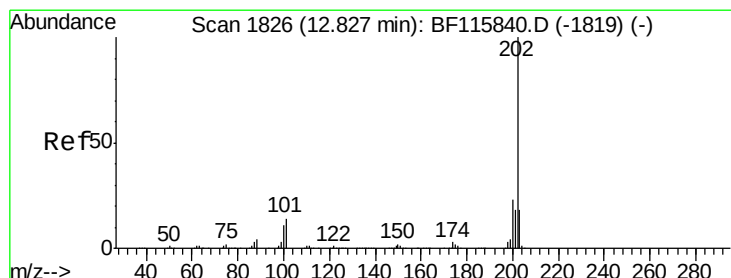
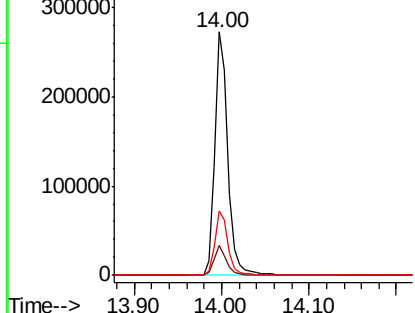
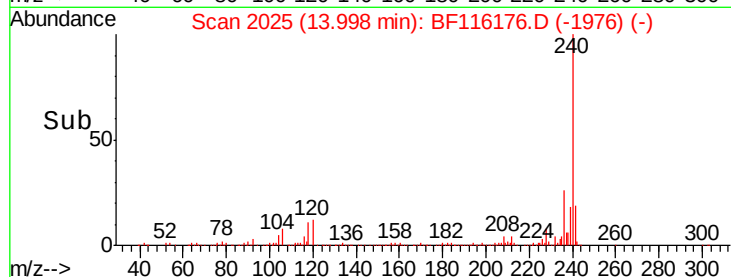
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF116176.D
Acq: 11 Aug 2019 5:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.4	10.7	16.1
236	26.3	22.2	33.2

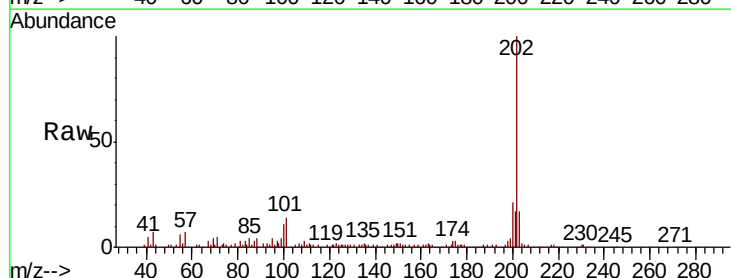


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

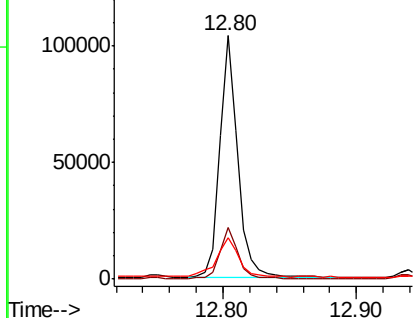
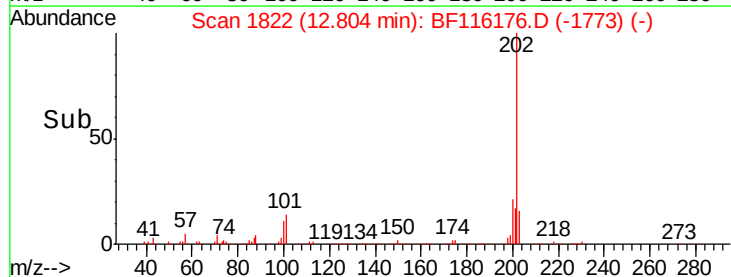


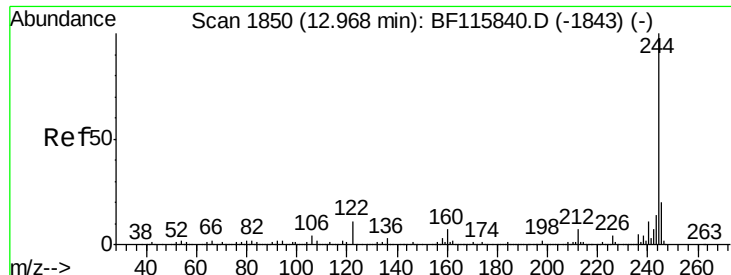
#78
Pyrene
Concen: 4.691 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF116176.D
Acq: 11 Aug 2019 5:25

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	18.0	27.0
203	16.8	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: 71.017 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF116176.D

Acq: 11 Aug 2019 5:25

Instrument :

BNA_F

ClientSampled :

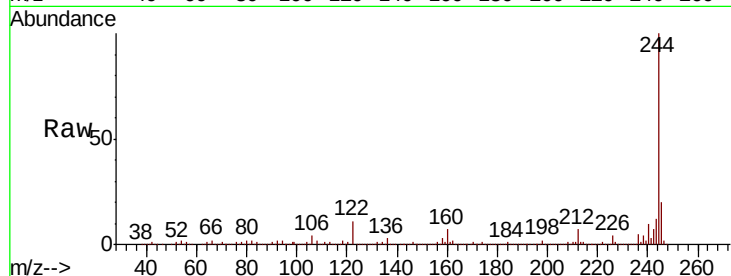
Tot Ion:244 Resp: 950343

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

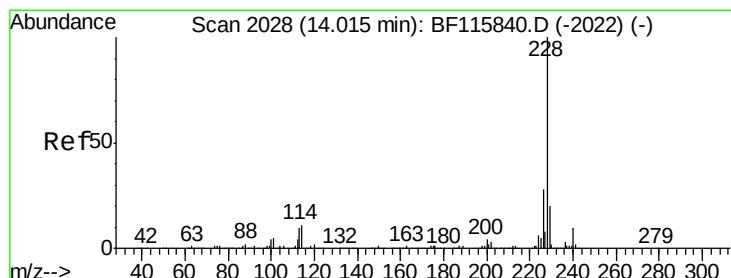
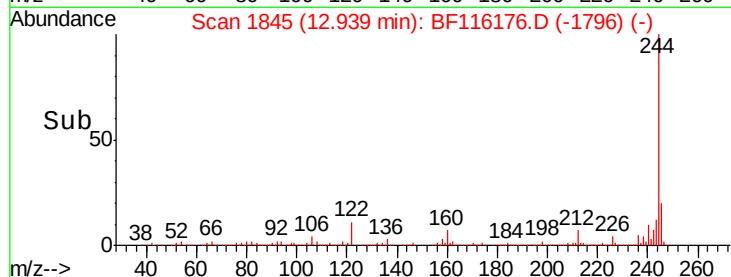
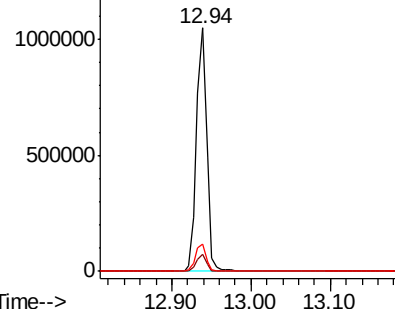
122 11.5 9.0 13.4



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



#81

Benzo(a)anthracene

Concen: 2.641 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116176.D

Acq: 11 Aug 2019 5:25

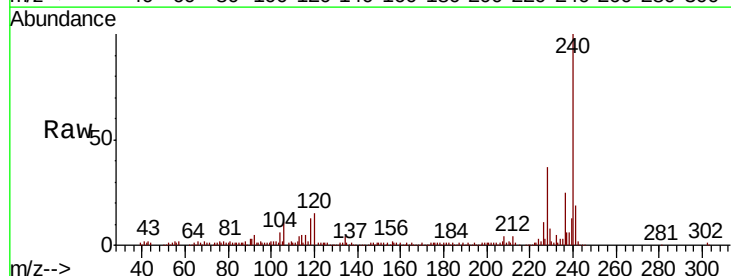
Tgt Ion:228 Resp: 47598

Ion Ratio Lower Upper

228 100

226 29.1 22.7 34.1

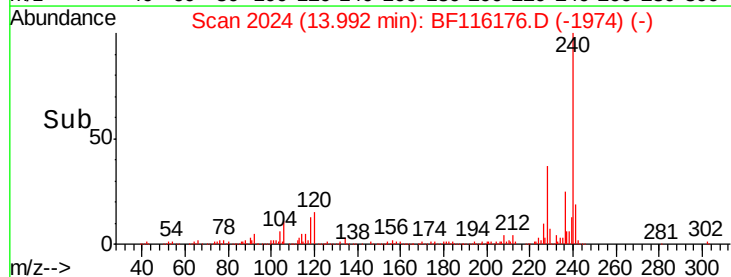
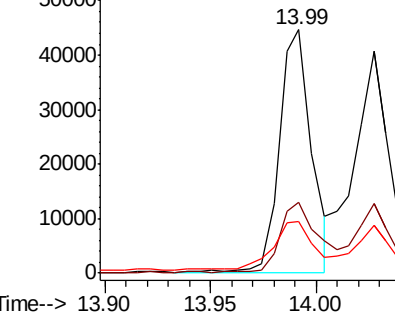
229 21.5 16.2 24.4

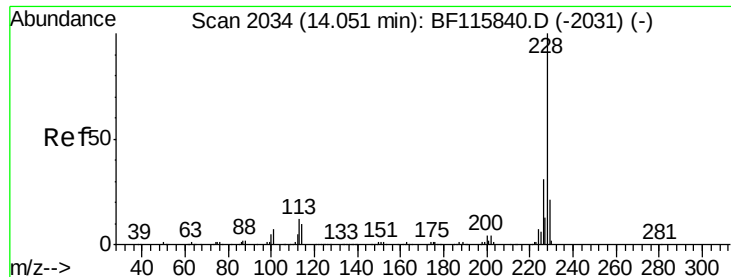


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.487 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF116176.D

Acq: 11 Aug 2019 5:25

Instrument :

BNA_F

ClientSampled :

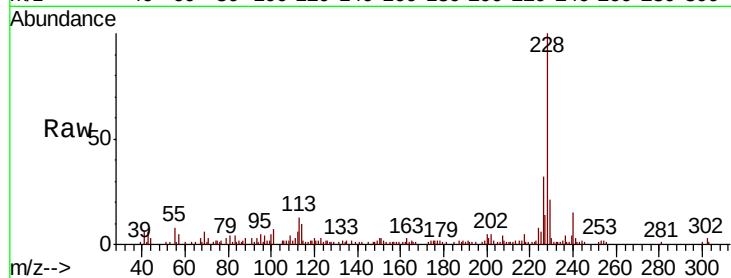
Tot Ion:228 Resp: 43510

Ion Ratio Lower Upper

228 100

226 31.5 25.5 38.3

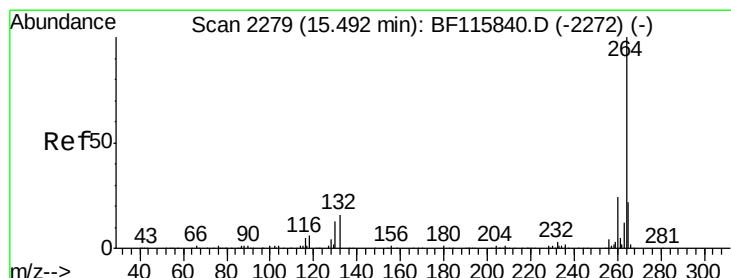
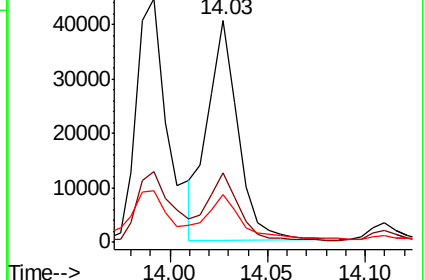
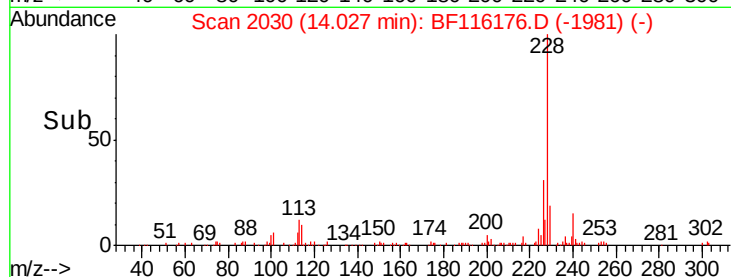
229 21.4 16.6 24.8



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF116176.D

Acq: 11 Aug 2019 5:25

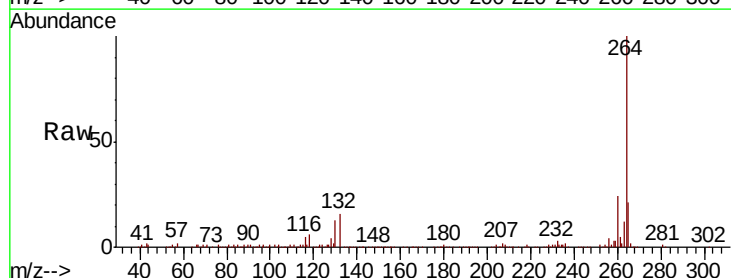
Tgt Ion:264 Resp: 260290

Ion Ratio Lower Upper

264 100

260 23.8 19.7 29.5

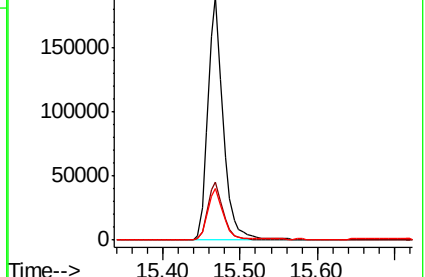
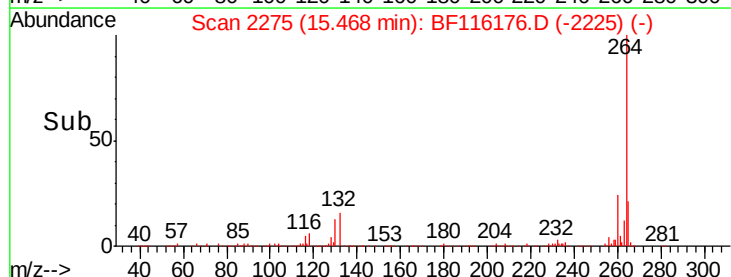
265 21.2 17.4 26.0

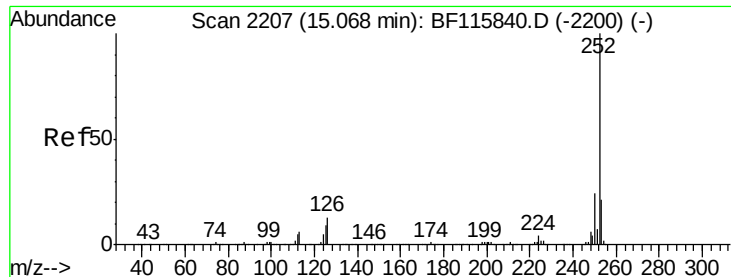


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

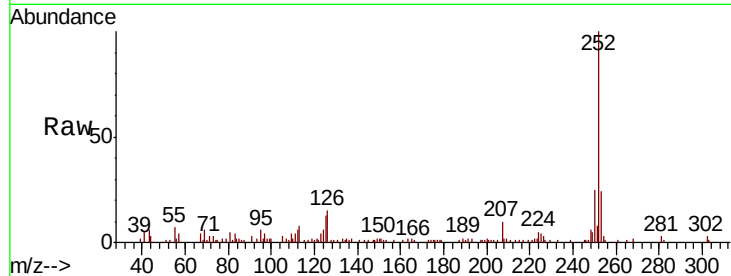




#88
Benzo(b)fluoranthene
Concen: 4.715 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF116176.D
Acq: 11 Aug 2019 5:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.8	26.8
125	13.2	8.4	12.6

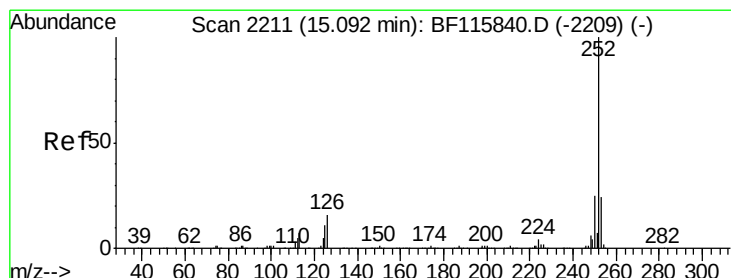
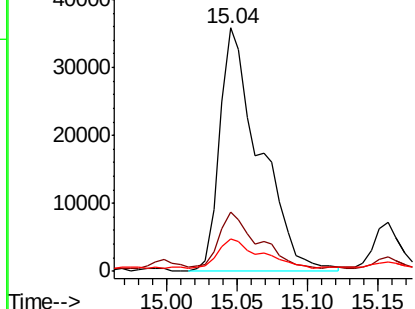
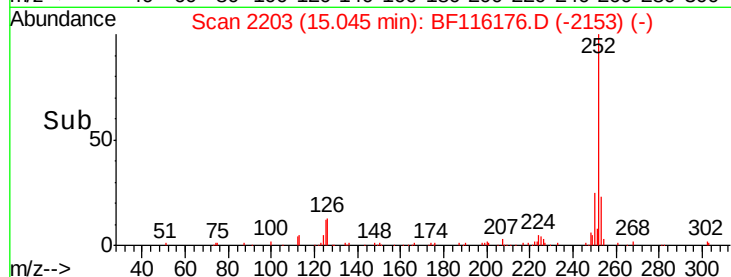


Abundance

Ion 252.00 (251.70 to 252.70): E

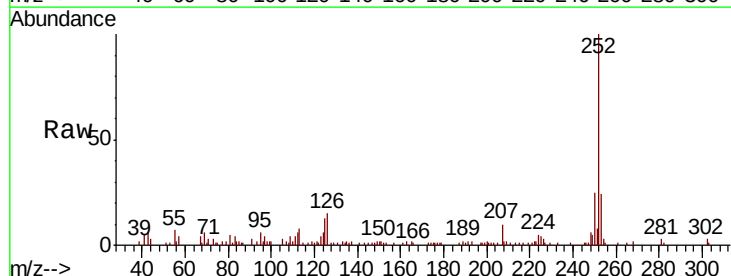
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 4.841 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF116176.D
Acq: 11 Aug 2019 5:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.8	26.8
125	13.2	7.7	11.5

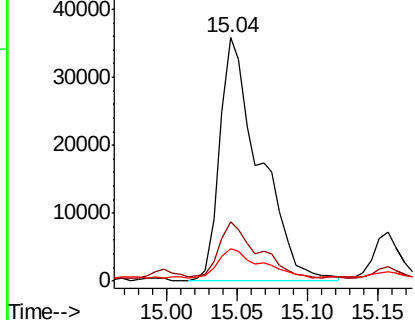
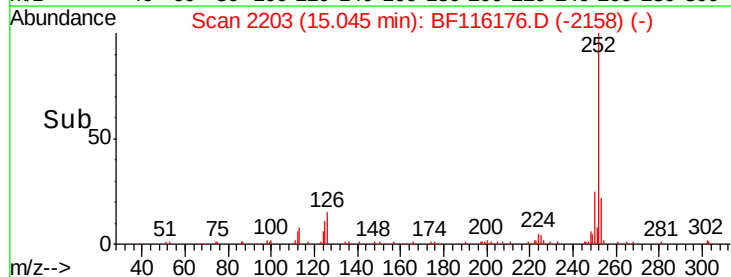


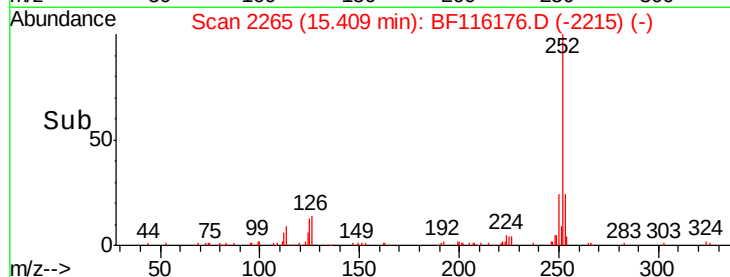
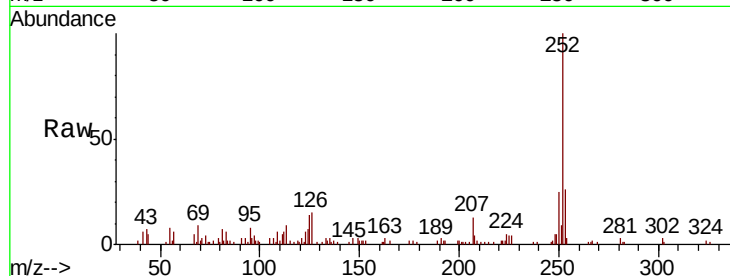
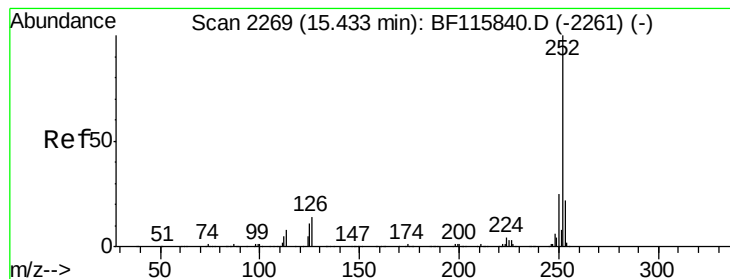
Abundance

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: 2.780 ng

RT: 15.41 min Scan# 2265

Delta R.T. -0.01 min

Lab File: BF116176.D

Acq: 11 Aug 2019 5:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 252 Resp: 37408

Ion Ratio Lower Upper

252 100

253 25.6 18.0 27.0

125 14.1 8.9 13.3#

