

Data File : BF116335.D
Acq On : 16 Aug 2019 23:18
Operator : HP/JU
Sample : K4377-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR-50

Quant Time: Aug 17 05:11:41 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

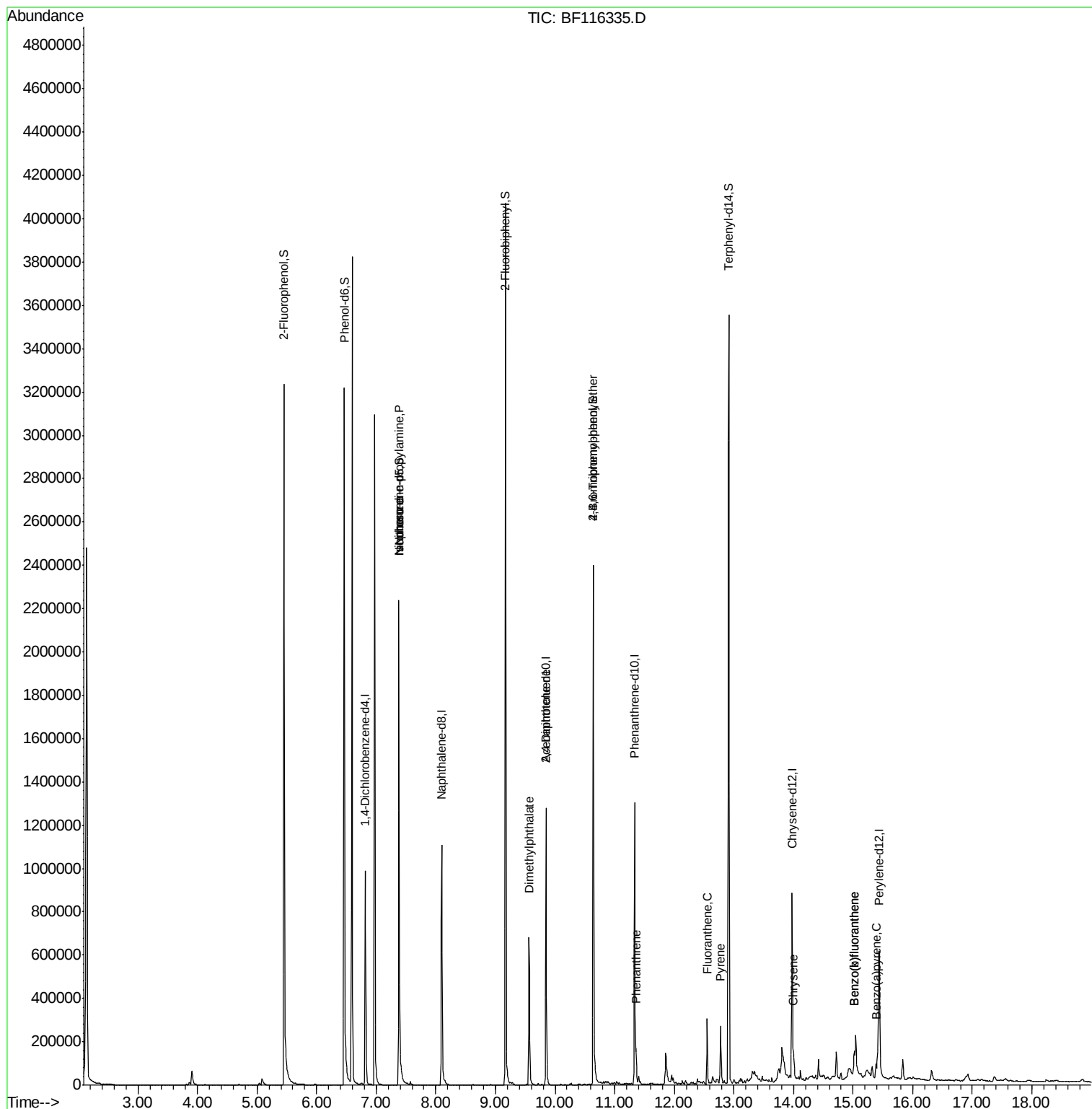
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	151328	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	575802	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	290401	20.00	ng	-0.04
64) Phenanthrene-d10	11.33	188	488122	20.00	ng	-0.04
76) Chrysene-d12	13.98	240	299231	20.00	ng	-0.03
87) Perylene-d12	15.44	264	300264	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1088111	120.37	ng	-0.02
7) Phenol-d6	6.46	99	1404082	123.11	ng	-0.02
23) Nitrobenzene-d5	7.38	82	911632	91.39	ng	-0.04
42) 2,4,6-Tribromophenol	10.64	330	335330	119.10	ng	-0.04
45) 2-Fluorobiphenyl	9.17	172	1334940	86.10	ng	-0.04
79) Terphenyl-d14	12.92	244	1230173	86.63	ng	-0.04
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	120866	17.102	ng	# 81
25) Isophorone	7.38	82	911948	47.811	ng	# 65
50) Dimethylphthalate	9.56	163	313533	15.857	ng	99
57) 2,4-Dinitrotoluene	9.85	165	36452	6.371	ng	# 20
67) 4-Bromophenyl-phenylether	10.64	248	20816	3.984	ng	# 1
71) Phenanthrene	11.36	178	59558	2.387	ng	99
75) Fluoranthene	12.55	202	122811	4.701	ng	99
78) Pyrene	12.78	202	107540	4.768	ng	97
83) Chrysene	14.00	228	47116	2.537	ng	97
88) Benzo(b)fluoranthene	15.02	252	69519	4.004	ng	98
89) Benzo(k)fluoranthene	15.02	252	69519	4.111	ng	# 97
90) Benzo(a)pyrene	15.39	252	32312	2.082	ng	100

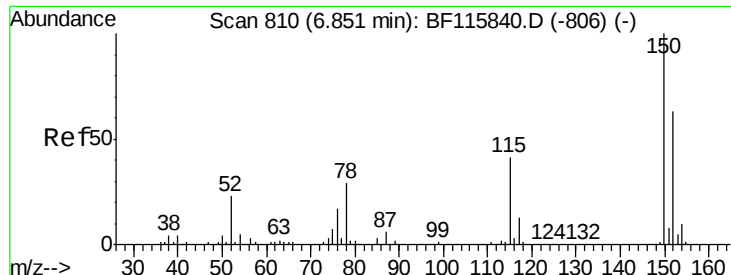
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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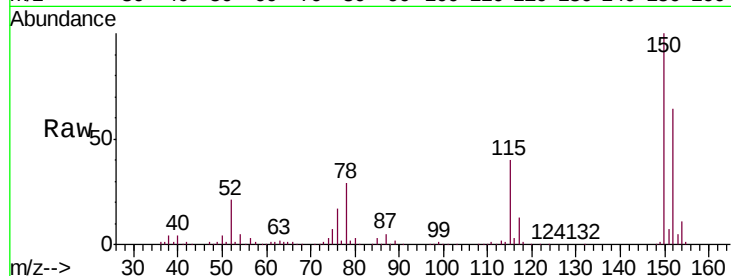




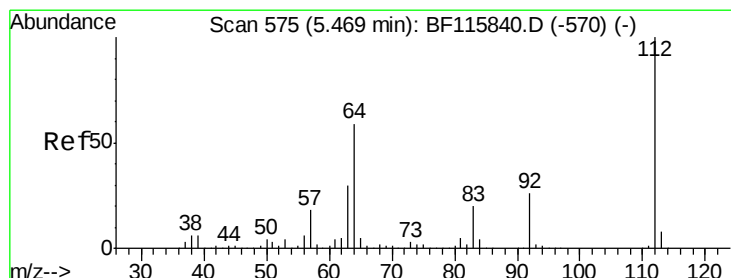
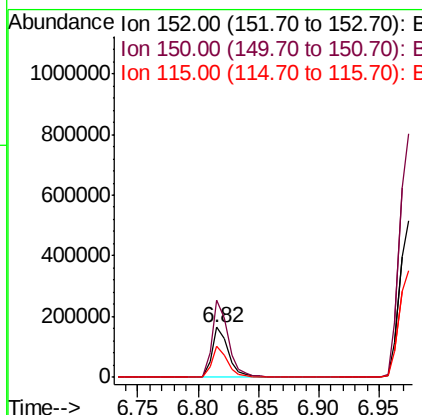
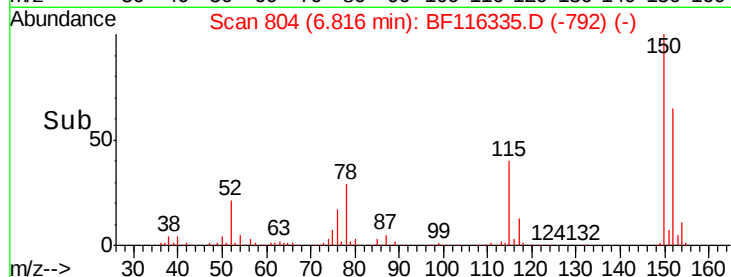
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.03 min
 Lab File: BF116335.D
 Acq: 16 Aug 2019 23:18

Instrument :
 BNA_F
 ClientSampleId :
 RBR-50

Tgt Ion:152 Resp: 151328
 Ion Ratio Lower Upper
 152 100
 150 155.1 126.2 189.2
 115 62.5 49.9 74.9

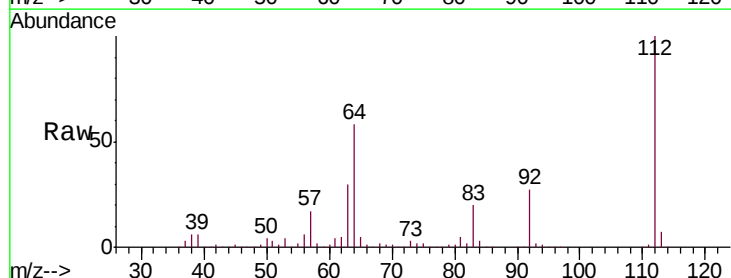


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

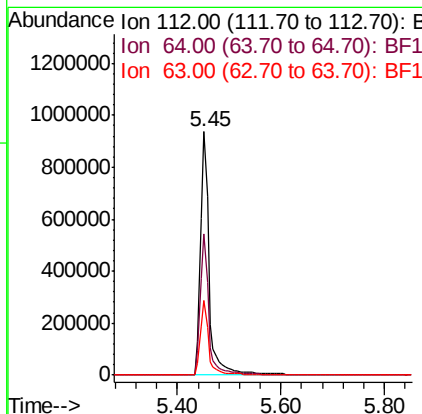
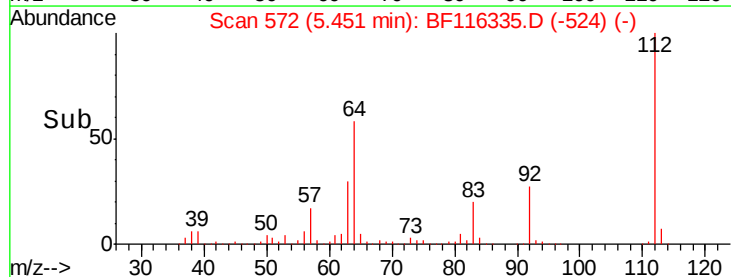


#5
 2-Fluorophenol
 Concen: 120.372 ng
 RT: 5.45 min Scan# 572
 Delta R.T. -0.02 min
 Lab File: BF116335.D
 Acq: 16 Aug 2019 23:18

Tgt Ion:112 Resp: 1088111
 Ion Ratio Lower Upper
 112 100
 64 58.1 45.4 68.2
 63 30.5 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: 123.111 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.02 min

Lab File: BF116335.D

Acq: 16 Aug 2019 23:18

Instrument :

BNA_F

ClientSampleId :

RBR-50

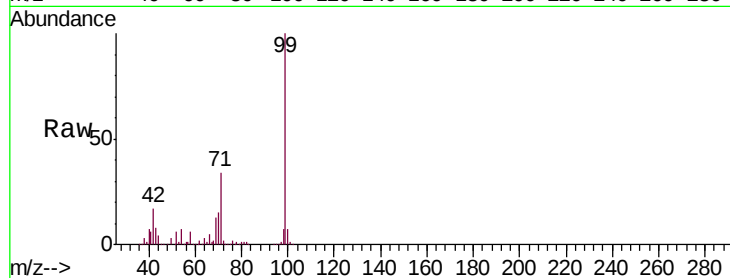
Tgt Ion: 99 Resp: 1404082

Ion Ratio Lower Upper

99 100

42 16.8 13.8 20.8

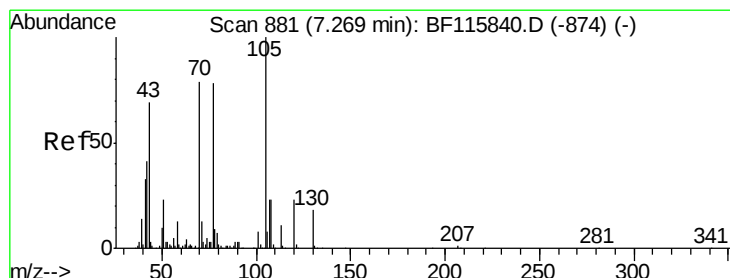
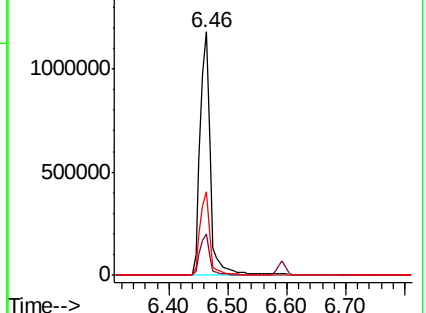
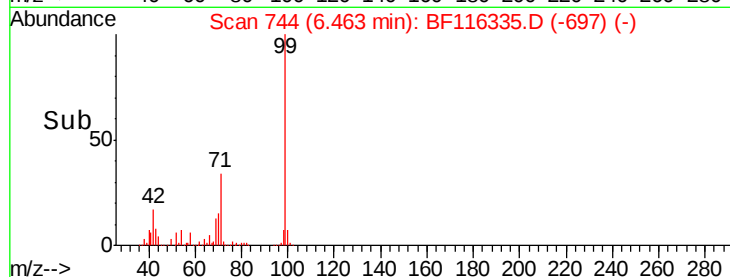
71 34.3 27.3 40.9



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: 17.102 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.11 min

Lab File: BF116335.D

Acq: 16 Aug 2019 23:18

Tgt Ion: 70 Resp: 120866

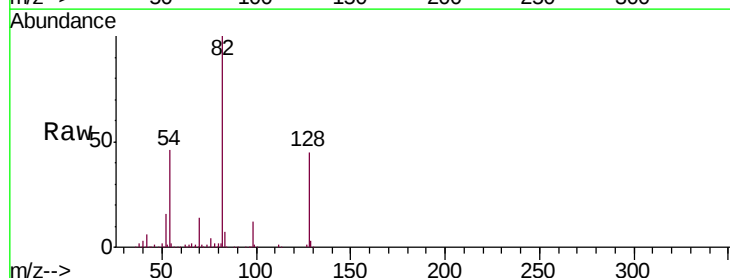
Ion Ratio Lower Upper

70 100

42 44.5 40.9 61.3

101 0.0 7.9 11.9#

130 2.2 16.9 25.3#

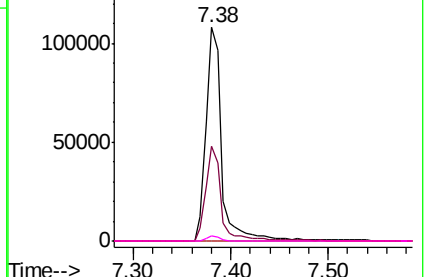
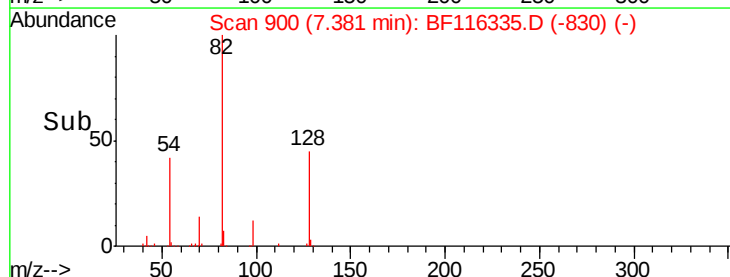


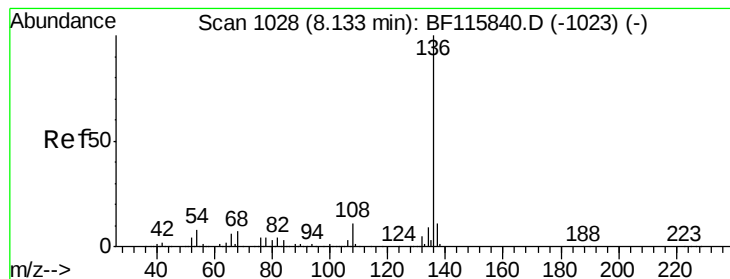
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.10 min Scan# 1022

Delta R.T. -0.03 min

Lab File: BF116335.D

Acq: 16 Aug 2019 23:18

Instrument :

BNA_F

ClientSampleId :

RBR-50

Tgt Ion:136 Resp: 575802

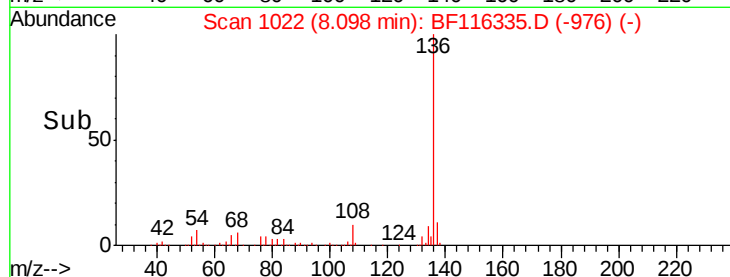
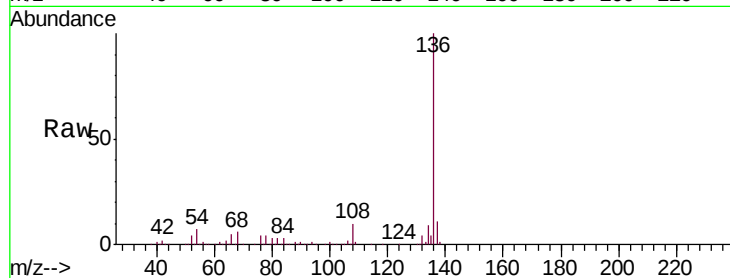
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 6.8 5.8 8.6

68 6.1 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

8.10

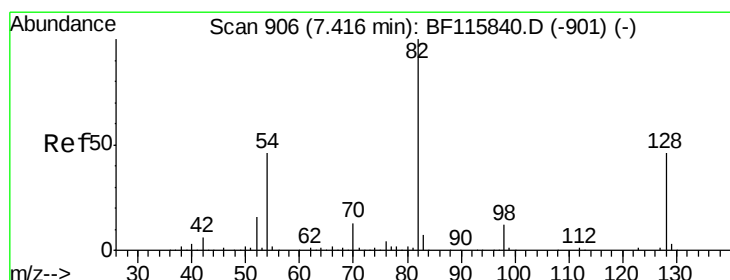
600000

400000

200000

0

Time-->



#23

Nitrobenzene-d5

Concen: 91.389 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.04 min

Lab File: BF116335.D

Acq: 16 Aug 2019 23:18

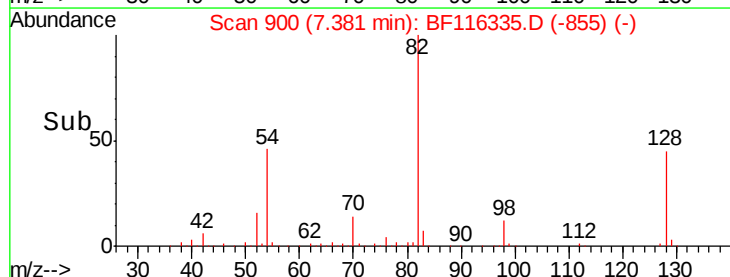
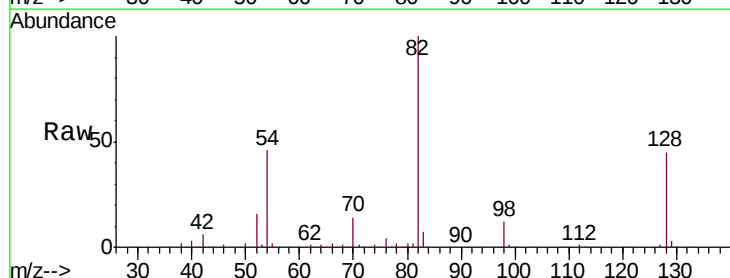
Tgt Ion: 82 Resp: 911632

Ion Ratio Lower Upper

82 100

128 44.7 36.5 54.7

54 46.0 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

7.38

1000000

800000

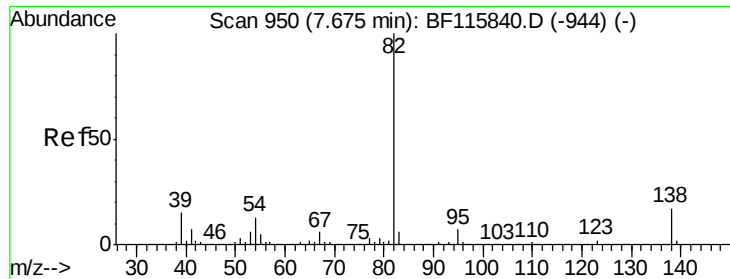
600000

400000

200000

0

Time-->



#25

Isophorone

Concen: 47.811 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.29 min

Lab File: BF116335.D

Acq: 16 Aug 2019 23:18

Instrument :

BNA_F

ClientSampled :

RBR-50

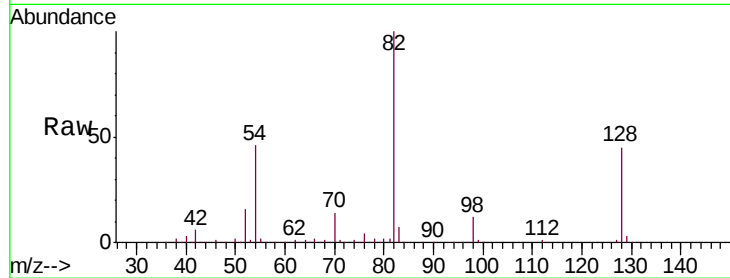
Tgt Ion: 82 Resp: 911948

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

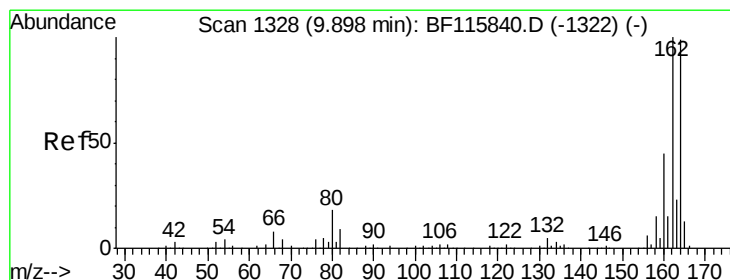
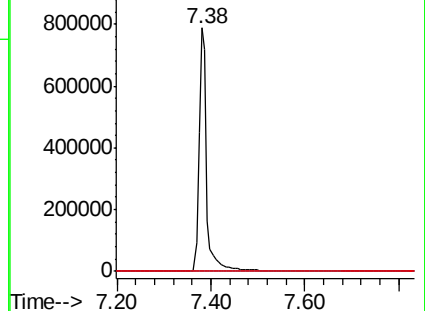
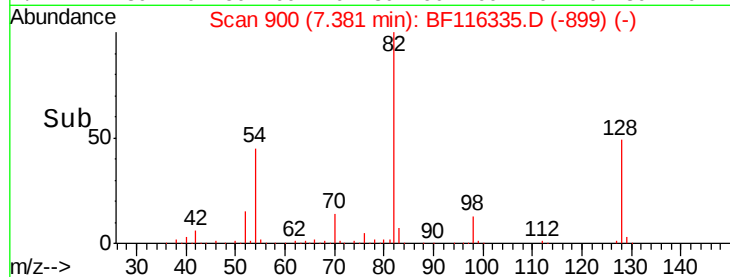
138 0.0 14.5 21.7#



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: 9.85 min Scan# 1320

Delta R.T. -0.04 min

Lab File: BF116335.D

Acq: 16 Aug 2019 23:18

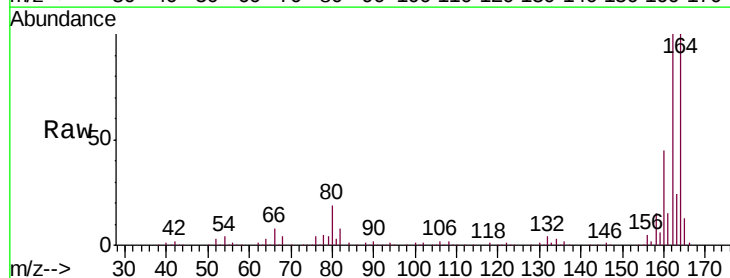
Tgt Ion: 164 Resp: 290401

Ion Ratio Lower Upper

164 100

162 100.4 82.6 124.0

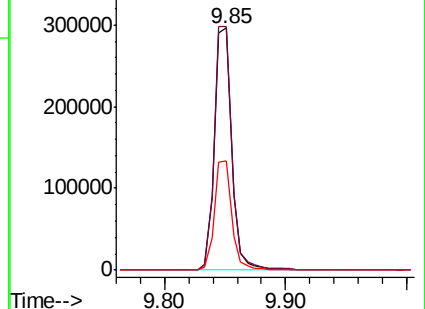
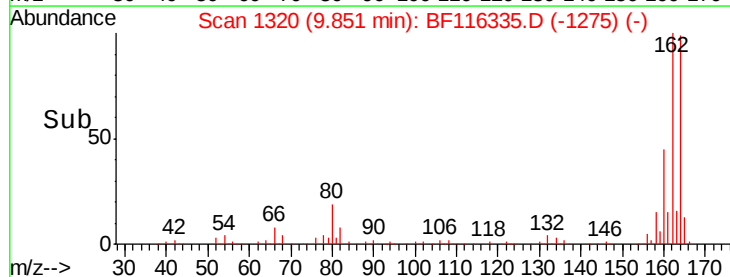
160 45.3 37.6 56.4

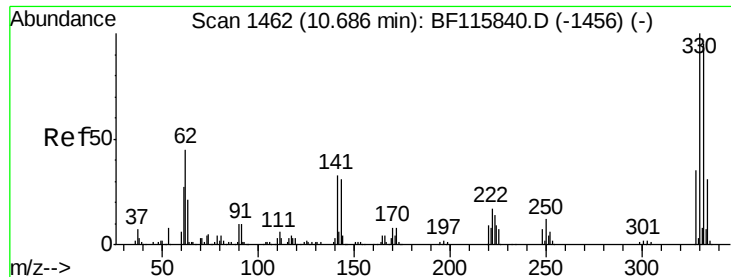


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

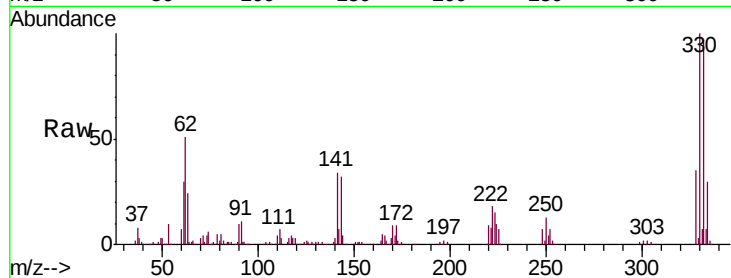




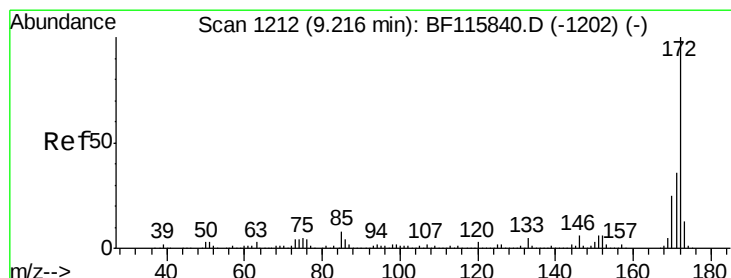
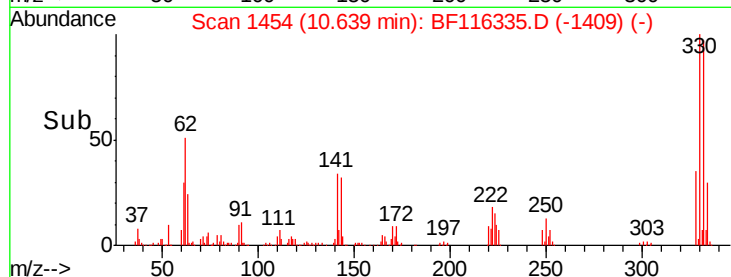
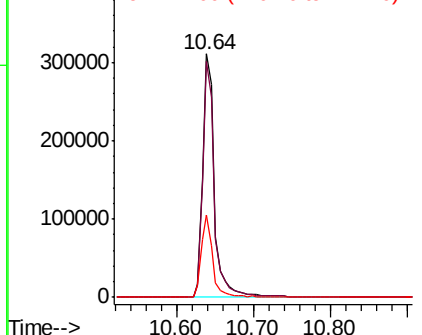
#42
 2,4,6-Tribromophenol
 Concen: 119.101 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.04 min
 Lab File: BF116335.D
 Acq: 16 Aug 2019 23:18

Instrument :
 BNA_F
 ClientSampleId :
 RBR-50

Tgt Ion:330 Resp: 335330
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.8 115.2
 141 33.3 26.3 39.5

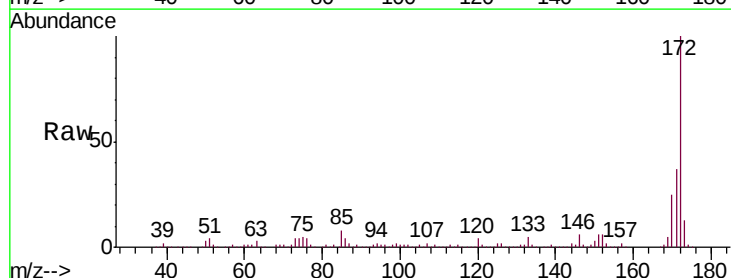


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

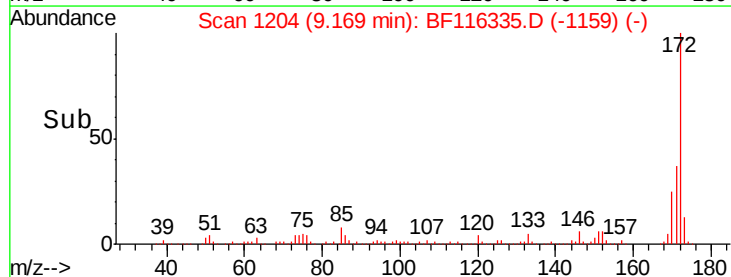
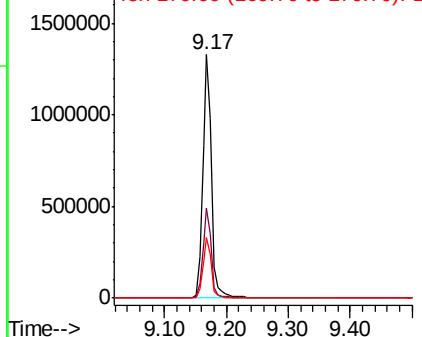


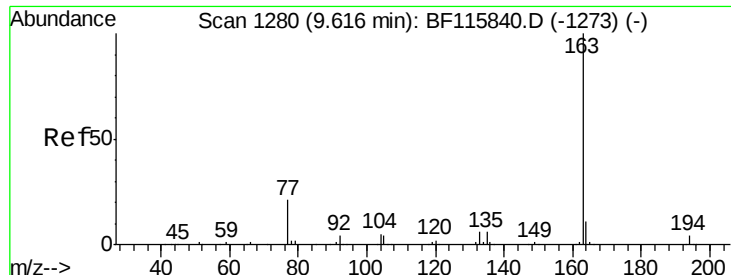
#45
 2-Fluorobiphenyl
 Concen: 86.103 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.04 min
 Lab File: BF116335.D
 Acq: 16 Aug 2019 23:18

Tgt Ion:172 Resp: 1334940
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.6 44.4
 170 24.9 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

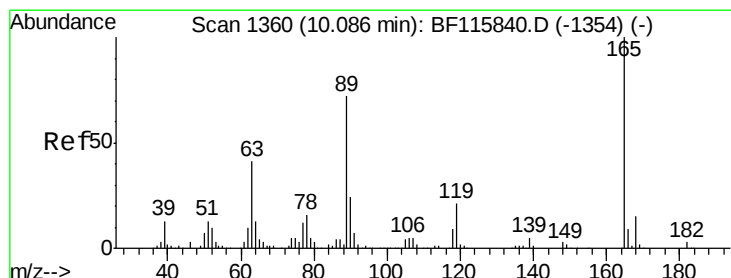
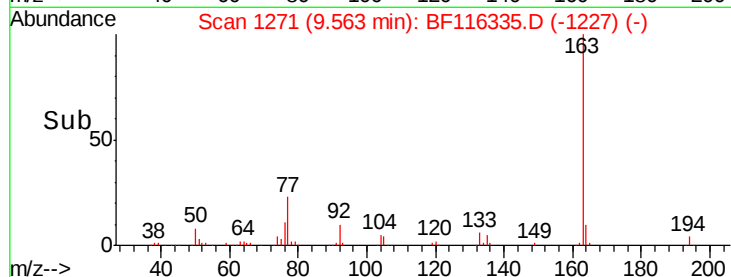
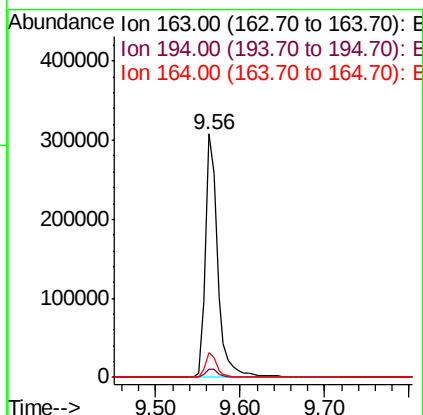
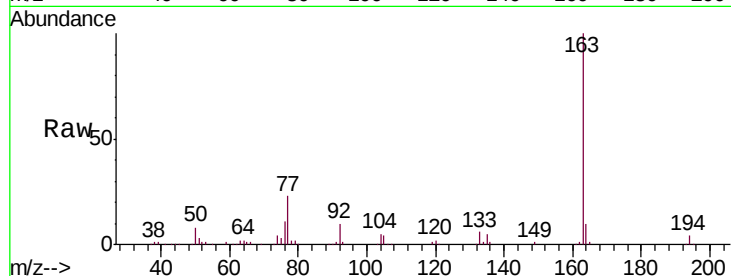




#50
Dimethylphthalate
Concen: 15.857 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.04 min
Lab File: BF116335.D
Acq: 16 Aug 2019 23:18

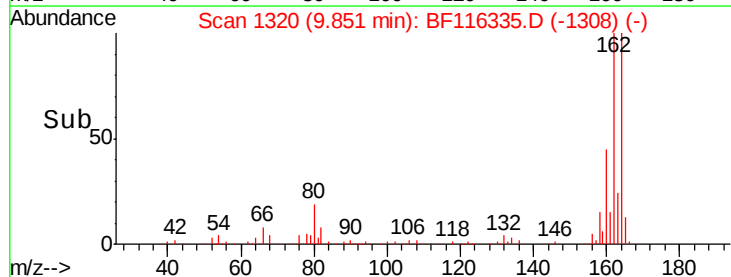
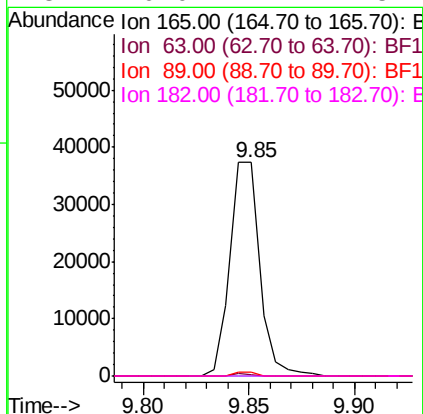
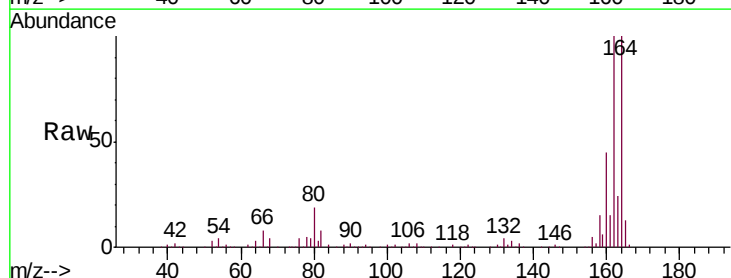
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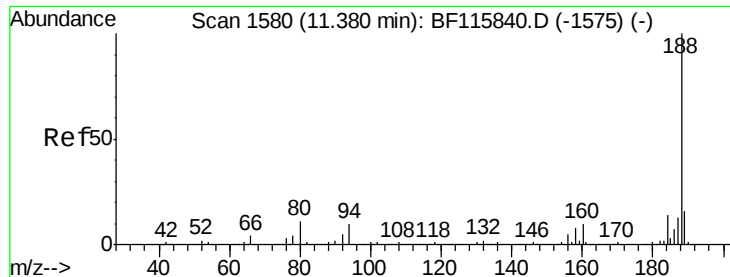
Tgt Ion:163 Resp: 313533
Ion Ratio Lower Upper
163 100
194 3.6 3.0 4.6
164 10.1 8.4 12.6



#57
2,4-Dinitrotoluene
Concen: 6.371 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.23 min
Lab File: BF116335.D
Acq: 16 Aug 2019 23:18

Tgt Ion:165 Resp: 36452
Ion Ratio Lower Upper
165 100
63 0.9 39.6 59.4#
89 1.5 62.2 93.2#
182 0.0 2.1 3.1#

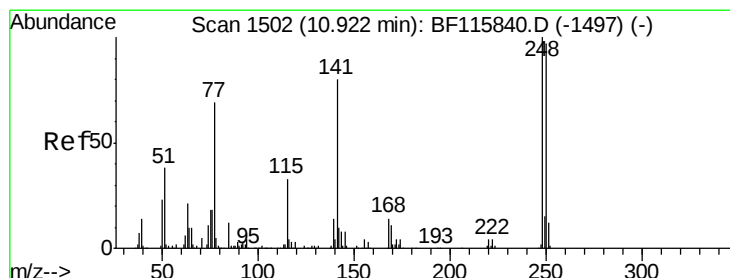
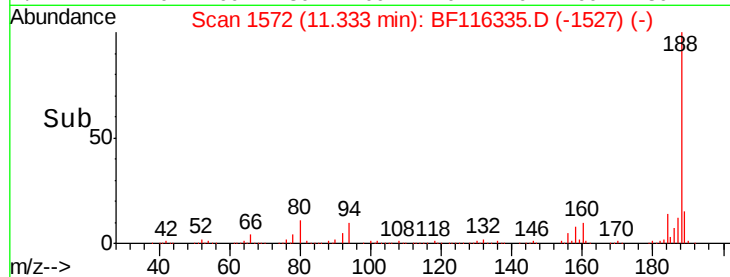
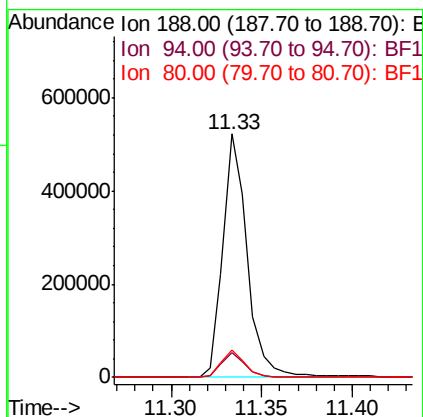
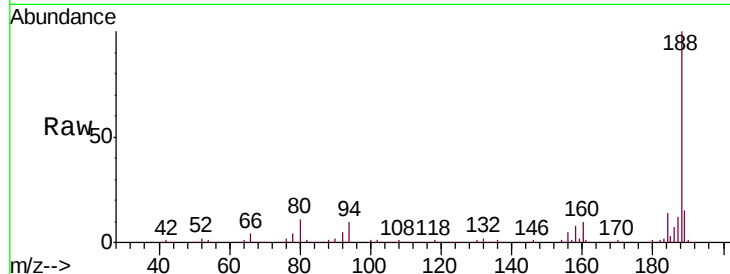




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.04 min
 Lab File: BF116335.D
 Acq: 16 Aug 2019 23:18

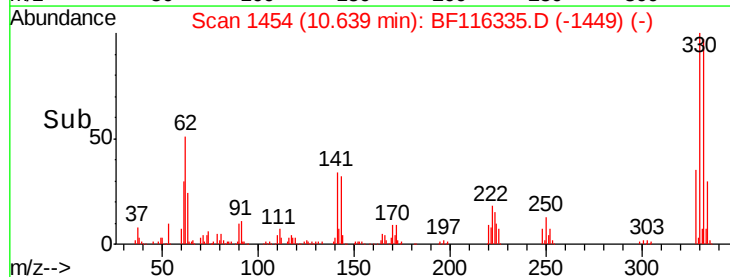
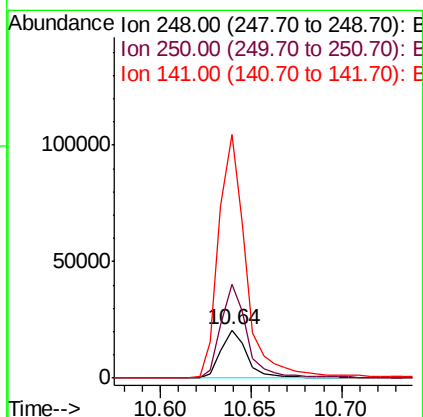
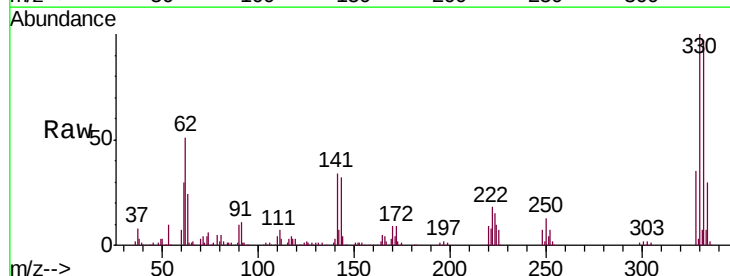
Instrument :
 BNA_F
 ClientSampleId :
 RBR-50

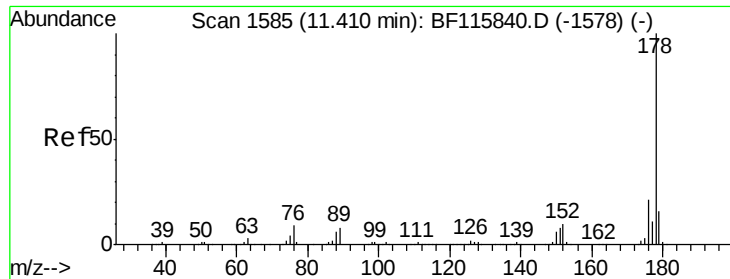
Tgt Ion:188 Resp: 488122
 Ion Ratio Lower Upper
 188 100
 94 10.2 8.1 12.1
 80 11.1 8.7 13.1



#67
 4-Bromophenyl-phenylether
 Concen: 3.984 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.27 min
 Lab File: BF116335.D
 Acq: 16 Aug 2019 23:18

Tgt Ion:248 Resp: 20816
 Ion Ratio Lower Upper
 248 100
 250 195.9 77.4 116.2#
 141 507.2 56.8 85.2#

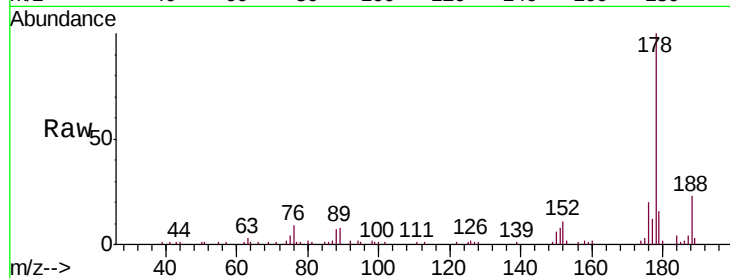




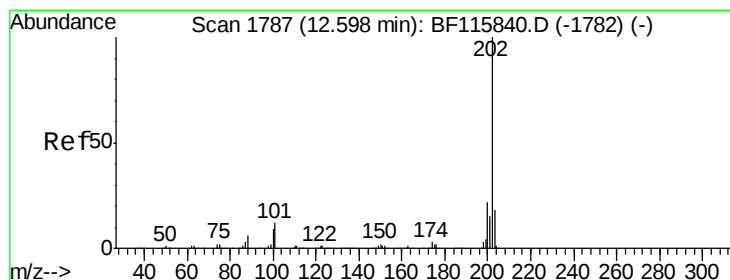
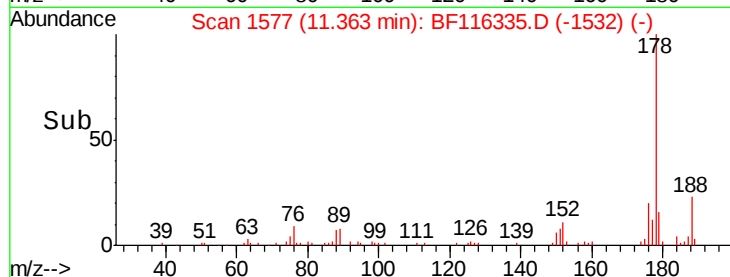
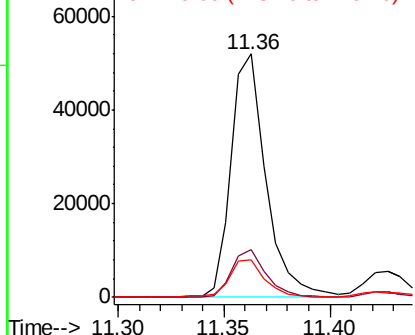
#71
Phenanthrene
Concen: 2.387 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.04 min
Lab File: BF116335.D
Acq: 16 Aug 2019 23:18

Instrument :
BNA_F
ClientSampleId :
RBR-50

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.6	24.8
179	15.5	12.5	18.7

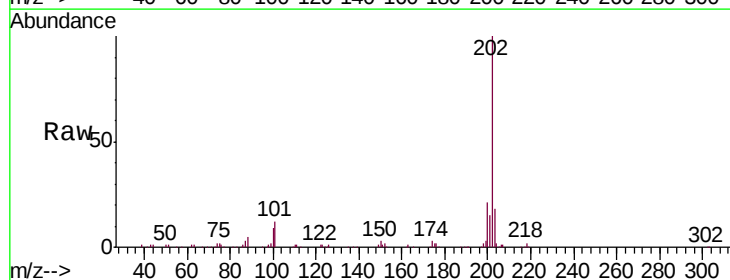


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

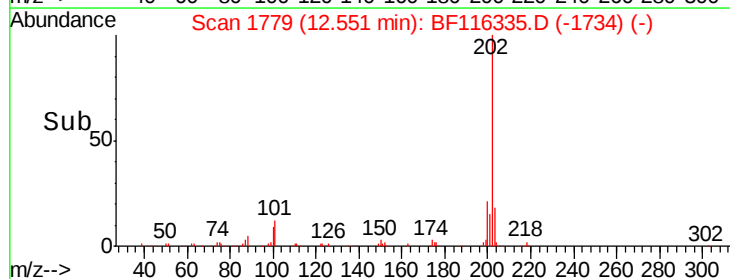
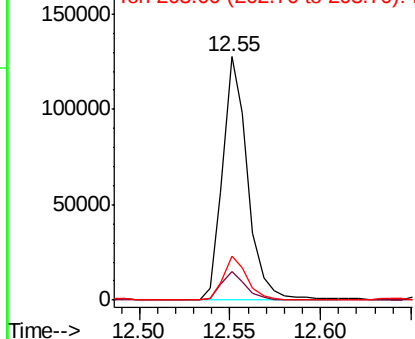


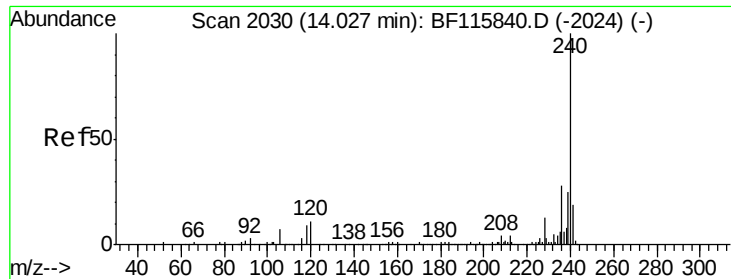
#75
Fluoranthene
Concen: 4.701 ng
RT: 12.55 min Scan# 1779
Delta R.T. -0.04 min
Lab File: BF116335.D
Acq: 16 Aug 2019 23:18

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	31.2
203	18.0	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

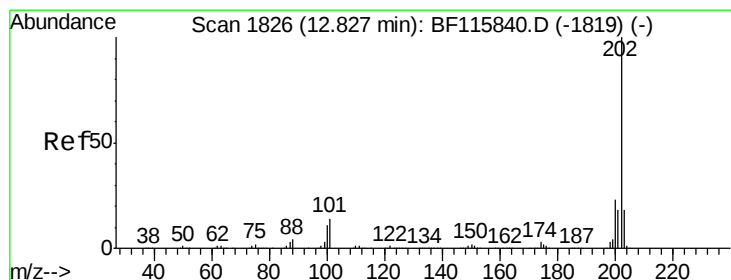
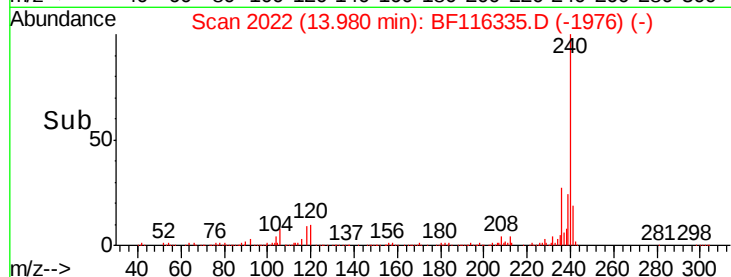
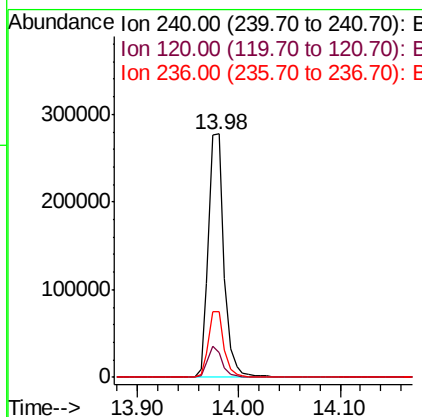
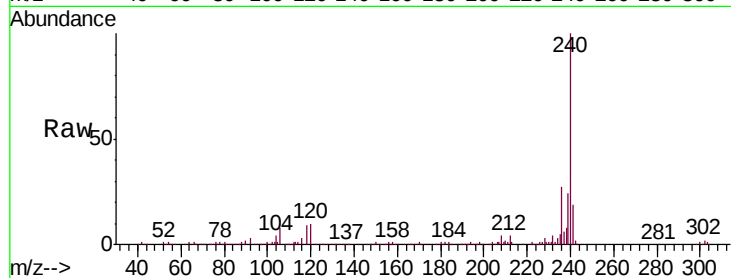




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.03 min
Lab File: BF116335.D
Acq: 16 Aug 2019 23:18

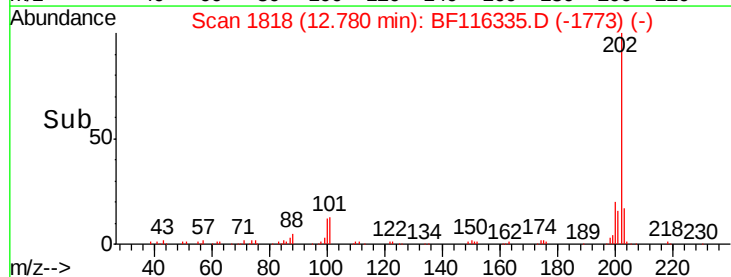
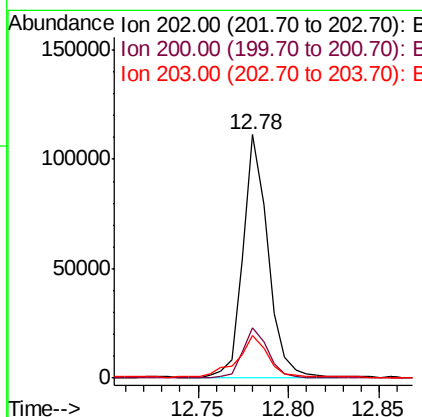
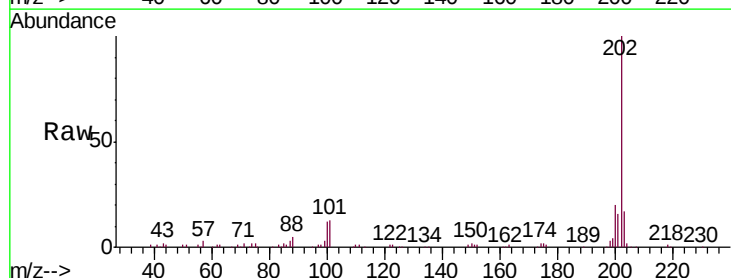
Instrument :
BNA_F
ClientSampleId :
RBR-50

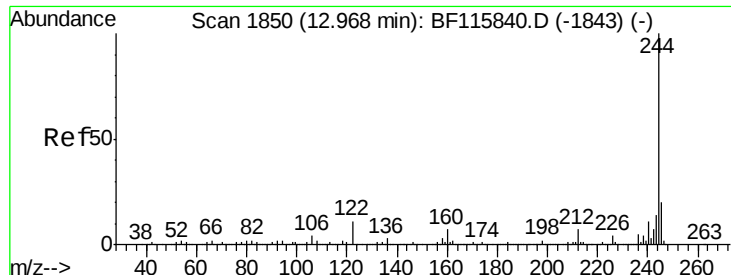
Tgt Ion:240 Resp: 299231
Ion Ratio Lower Upper
240 100
120 10.3 10.7 16.1#
236 27.2 22.2 33.2



#78
Pyrene
Concen: 4.768 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.04 min
Lab File: BF116335.D
Acq: 16 Aug 2019 23:18

Tgt Ion:202 Resp: 107540
Ion Ratio Lower Upper
202 100
200 20.5 18.0 27.0
203 17.3 14.1 21.1

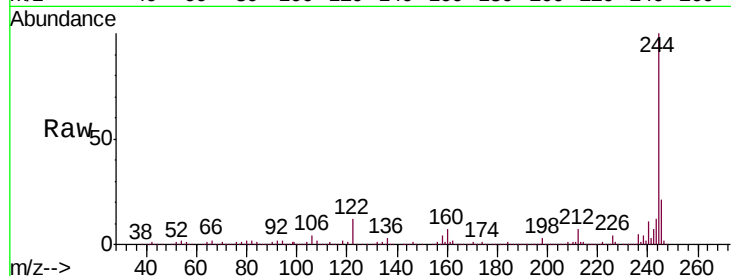




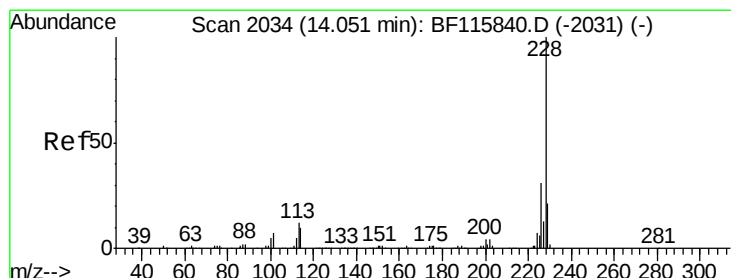
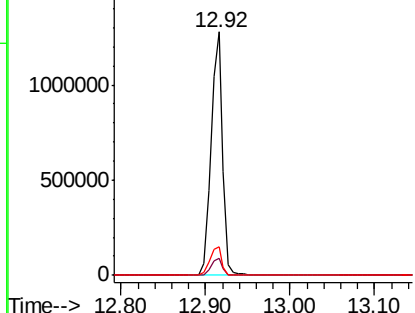
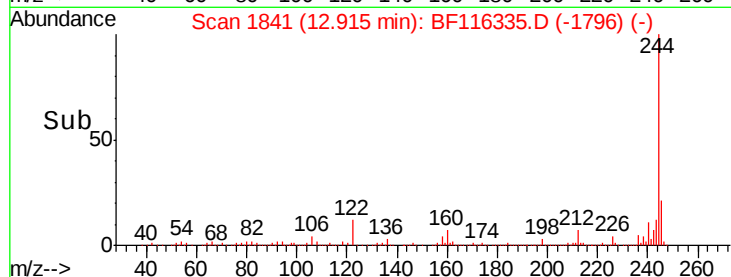
#79
 Terphenyl-d14
 Concen: 86.628 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: BF116335.D
 Acq: 16 Aug 2019 23:18

Instrument :
 BNA_F
 ClientSampleId :
 RBR-50

Tgt Ion:244 Resp: 1230173
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 11.5 9.0 13.4

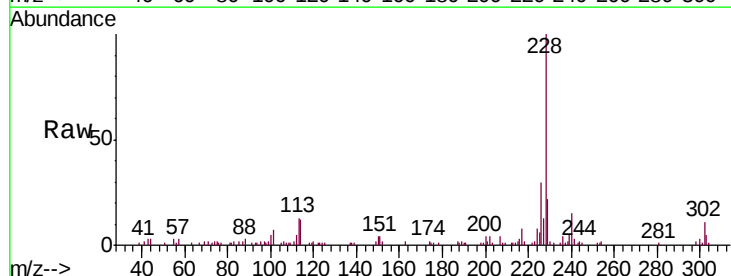


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

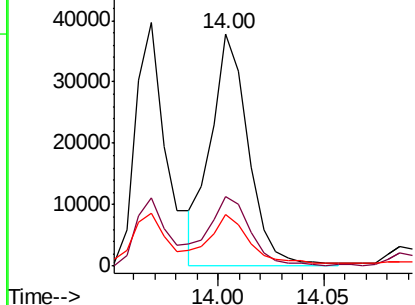
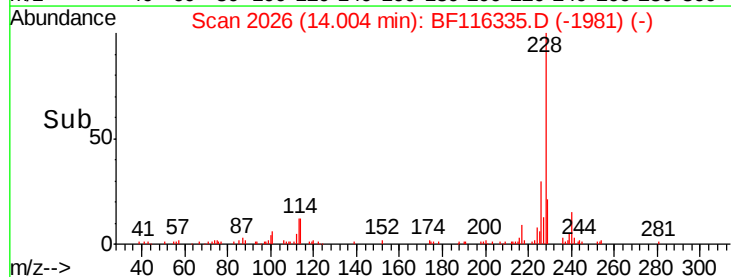


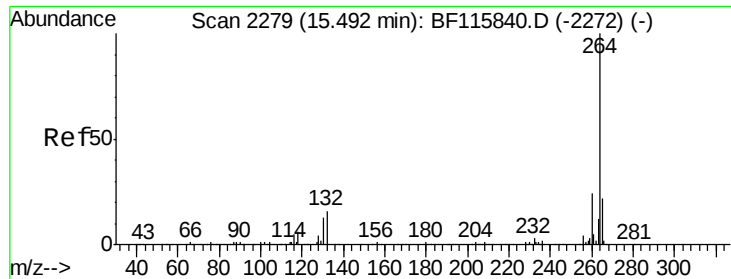
#83
 Chrysene
 Concen: 2.537 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.04 min
 Lab File: BF116335.D
 Acq: 16 Aug 2019 23:18

Tgt Ion:228 Resp: 47116
 Ion Ratio Lower Upper
 228 100
 226 29.8 25.5 38.3
 229 22.1 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

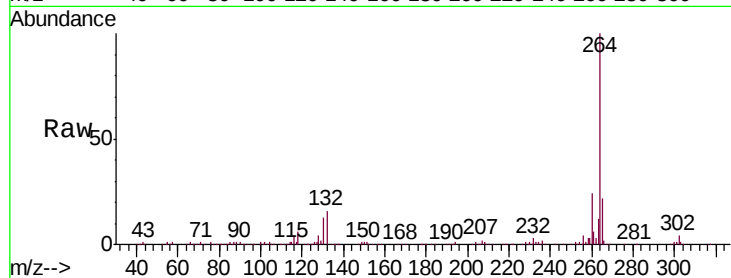




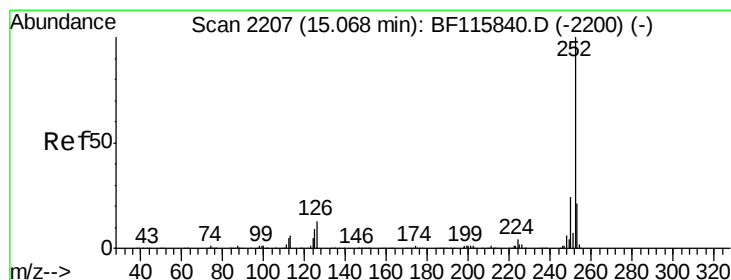
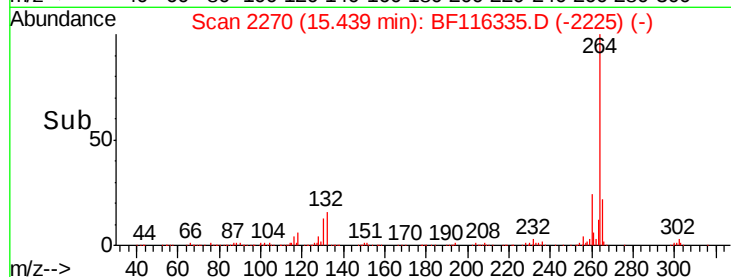
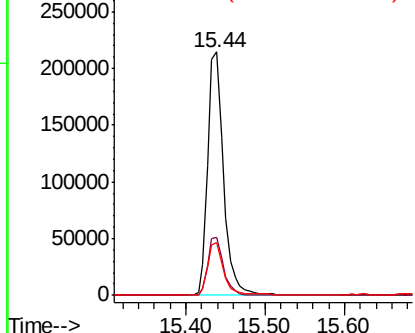
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.04 min
Lab File: BF116335.D
Acq: 16 Aug 2019 23:18

Instrument :
BNA_F
ClientSampleId :
RBR-50

Tgt Ion:264 Resp: 300264
Ion Ratio Lower Upper
264 100
260 23.6 19.7 29.5
265 22.0 17.4 26.0

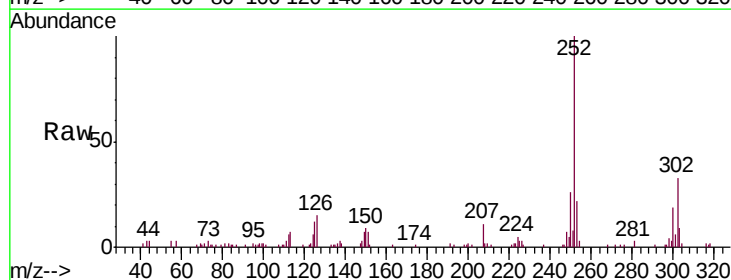


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

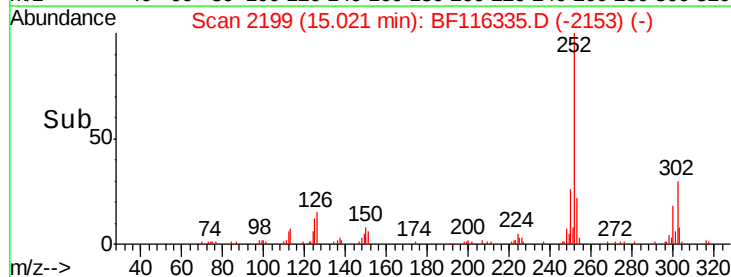
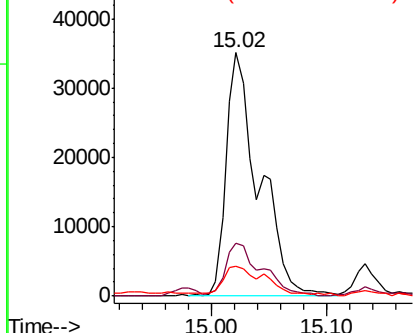


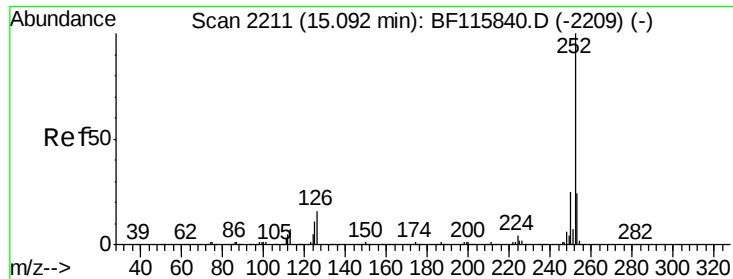
#88
Benzo(b)fluoranthene
Concen: 4.004 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.03 min
Lab File: BF116335.D
Acq: 16 Aug 2019 23:18

Tgt Ion:252 Resp: 69519
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.8
125 12.2 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

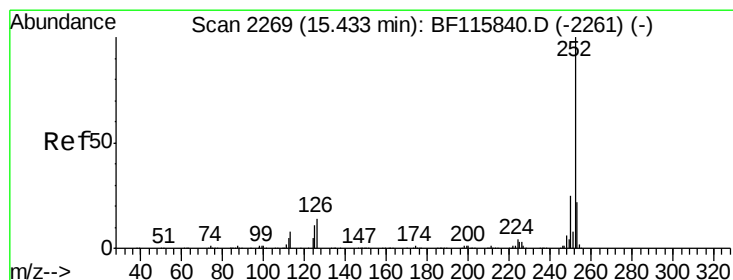
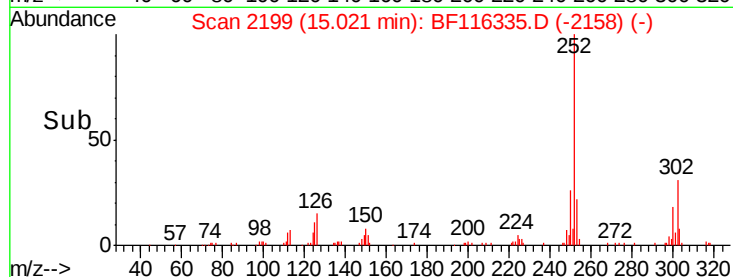
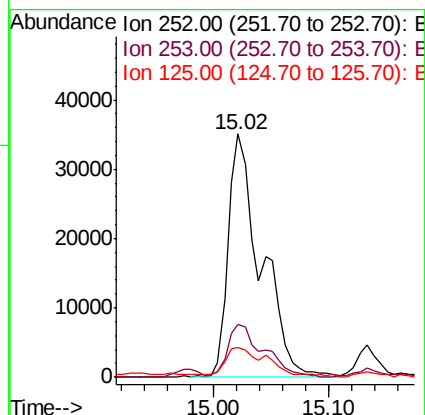
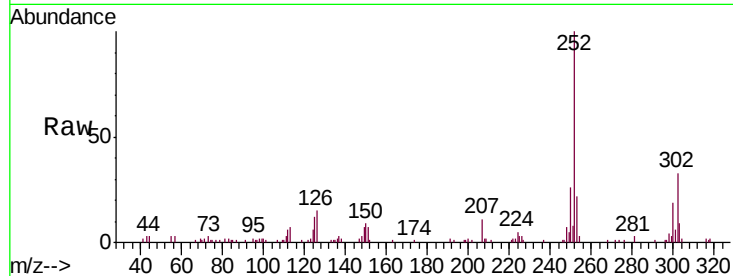




#89
Benzo(k)fluoranthene
Concen: 4.111 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.06 min
Lab File: BF116335.D
Acq: 16 Aug 2019 23:18

Instrument :
BNA_F
ClientSampleId :
RBR-50

Tgt Ion:252 Resp: 69519
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.8
125 12.2 7.7 11.5#



#90
Benzo(a)pyrene
Concen: 2.082 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.03 min
Lab File: BF116335.D
Acq: 16 Aug 2019 23:18

Tgt Ion:252 Resp: 32312
Ion Ratio Lower Upper
252 100
253 22.4 18.0 27.0
125 11.4 8.9 13.3

