

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
 Data File : BF116204.D
 Acq On : 12 Aug 2019 22:20
 Operator : HP/JU
 Sample : K4095-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-080919-B

Quant Time: Aug 13 01:08:57 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

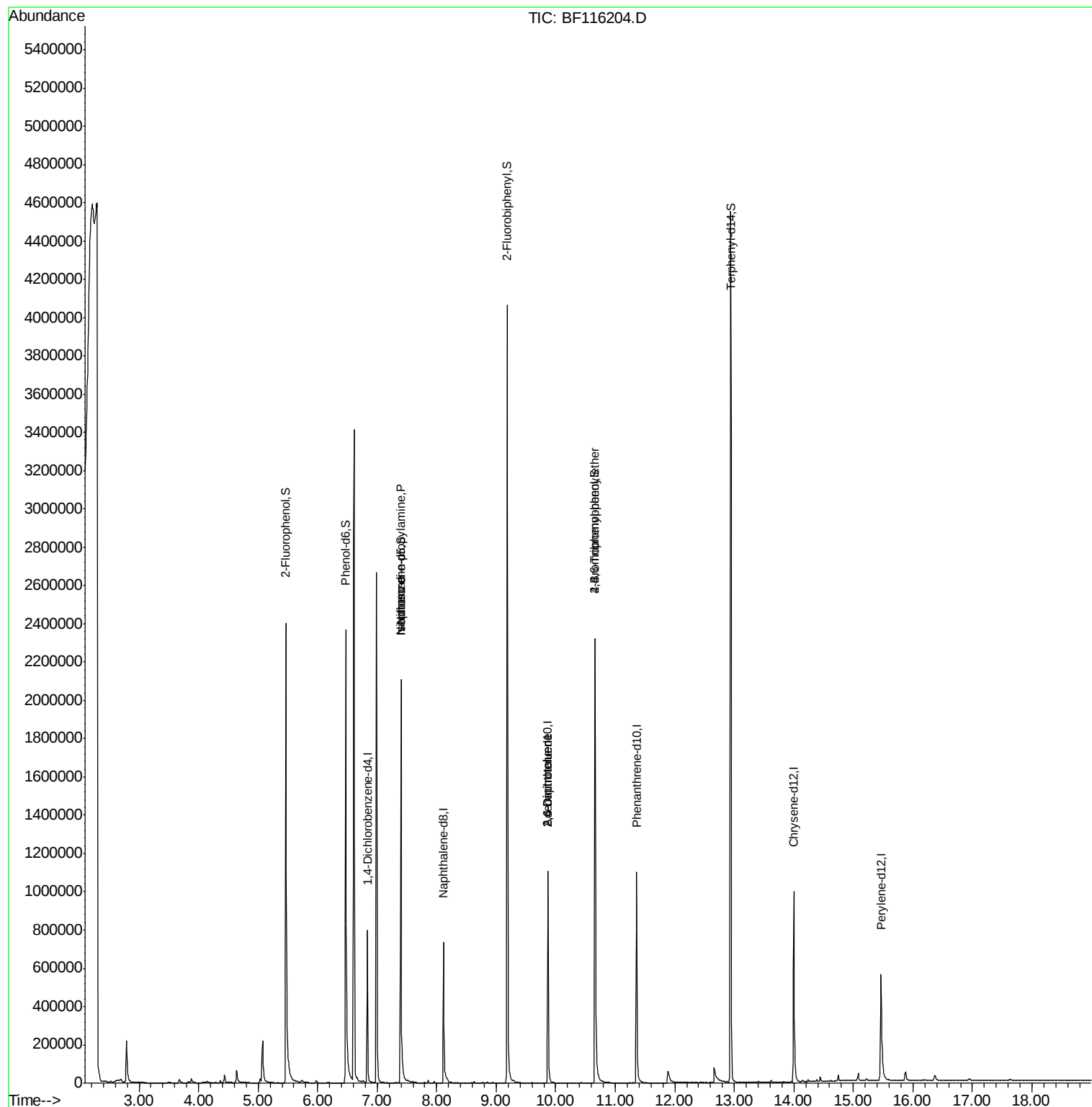
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	117556	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	452988	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	251272	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	489008	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	400411	20.00	ng	-0.01
87) Perylene-d12	15.46	264	363289	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	868120	123.63	ng	0.00
7) Phenol-d6	6.47	99	1030296	116.29	ng	-0.01
23) Nitrobenzene-d5	7.40	82	797017	101.56	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	386649	158.71	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1406854	104.87	ng	-0.02
79) Terphenyl-d14	12.94	244	1820326	95.79	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	106002	19.308	ng	# 79
25) Isophorone	7.40	82	797010	53.113	ng	# 65
51) 2,6-Dinitrotoluene	9.87	165	32196	8.659	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	32196	6.504	ng	# 21
67) 4-Bromophenyl-phenylether	10.66	248	23789	4.544	ng	# 1

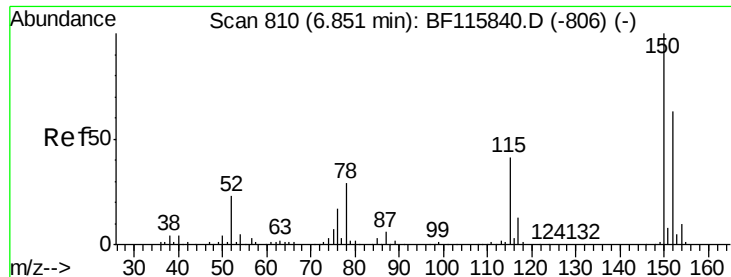
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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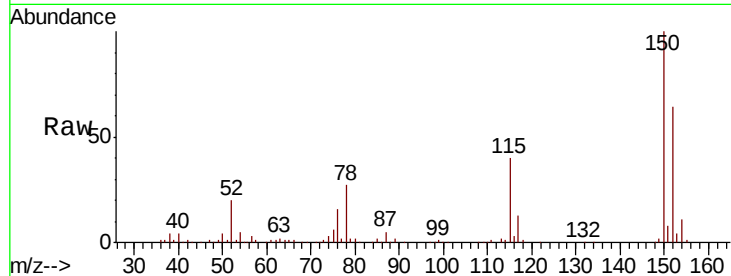


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF116204.D
 Acq: 12 Aug 2019 22:20

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-080919-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	126.2	189.2
115	61.9	49.9	74.9

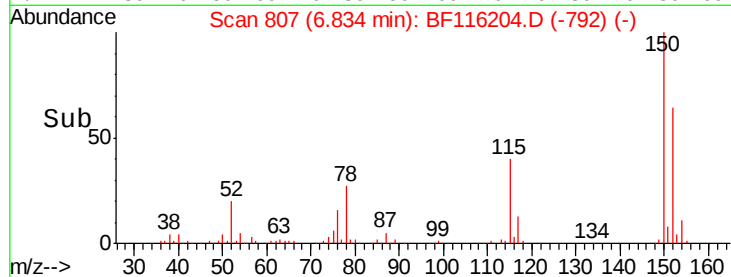
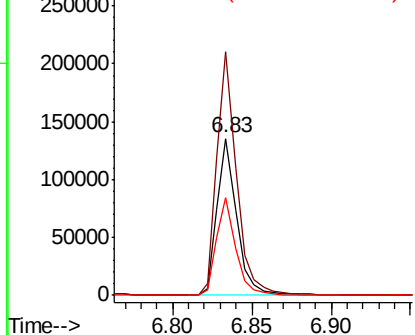


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

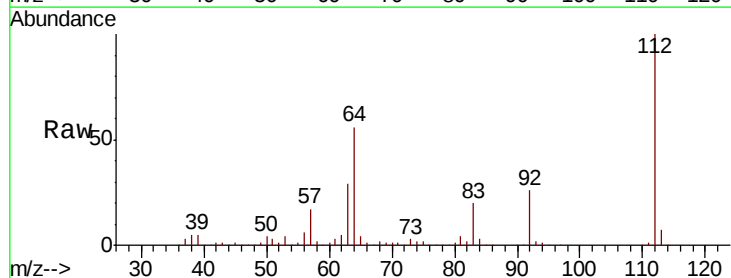
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 123.625 ng
 RT: 5.47 min Scan# 575
 Delta R.T. 0.00 min
 Lab File: BF116204.D
 Acq: 12 Aug 2019 22:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	45.4	68.2
63	28.8	23.7	35.5

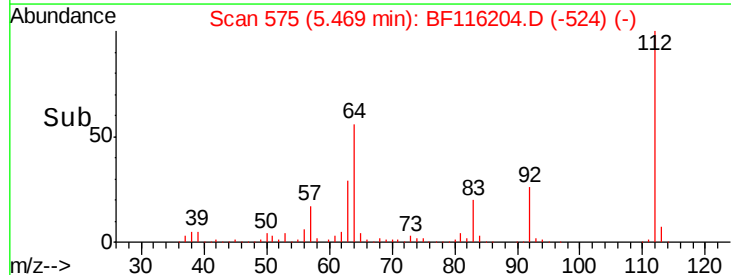
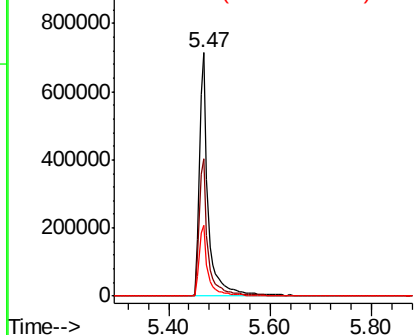


Abundance

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: 116.290 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116204.D

Acq: 12 Aug 2019 22:20

Instrument :

BNA_F

ClientSampleId :

SU-04-080919-B

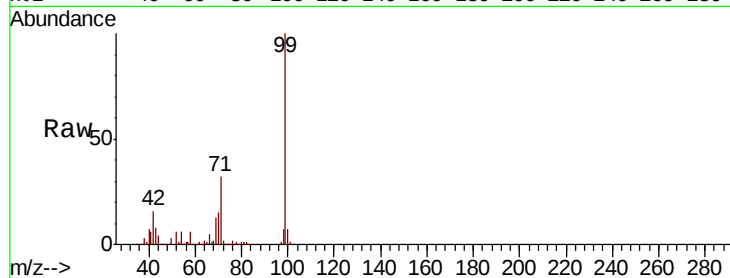
Tot Ion: 99 Resp: 1030296

Ion Ratio Lower Upper

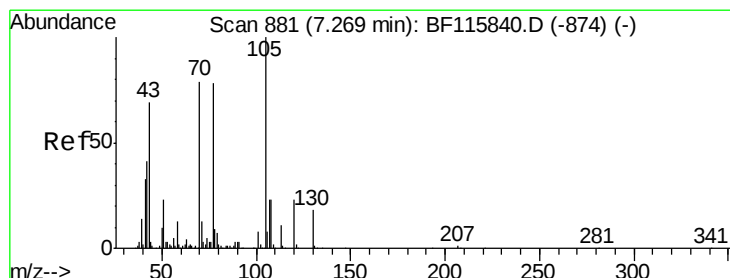
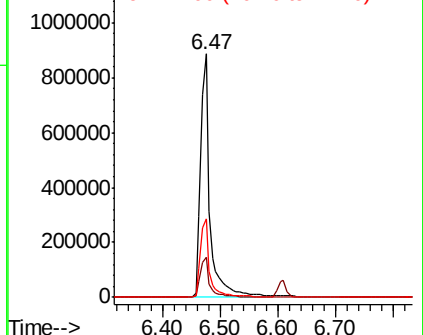
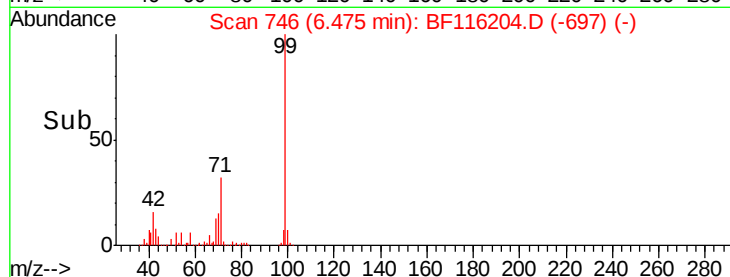
99 100

42 16.2 13.8 20.8

71 32.3 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: 19.308 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.13 min

Lab File: BF116204.D

Acq: 12 Aug 2019 22:20

Tgt Ion: 70 Resp: 106002

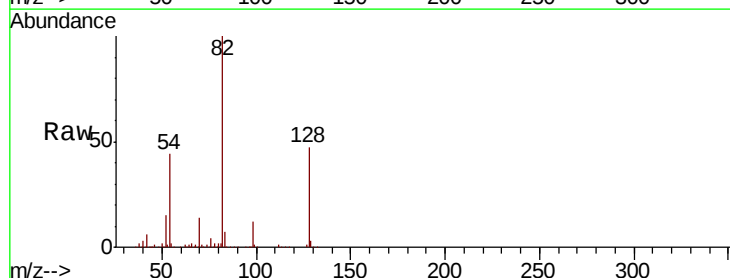
Ion Ratio Lower Upper

70 100

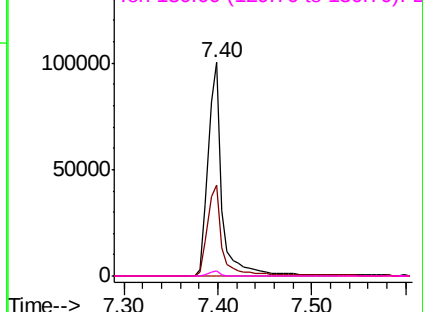
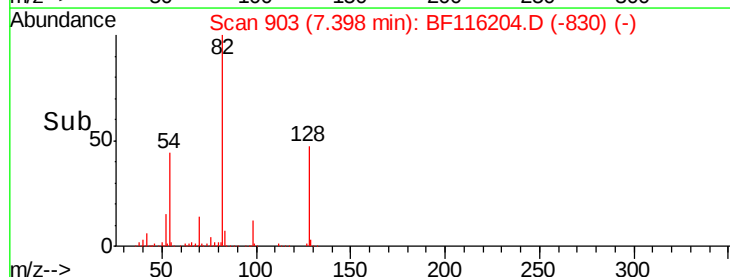
42 42.7 40.9 61.3

101 0.0 7.9 11.9#

130 2.1 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: 8.11 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BF116204.D

Acq: 12 Aug 2019 22:20

Instrument :

BNA_F

ClientSampleId :

SU-04-080919-B

Tot Ion:136 Resp: 452988

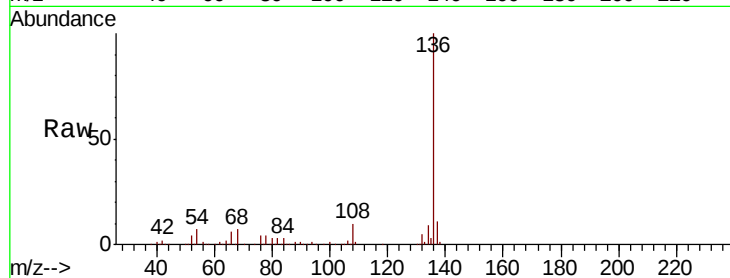
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 7.5 5.8 8.6

68 6.6 5.2 7.8

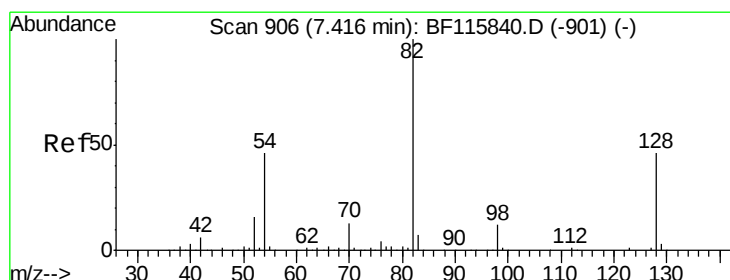
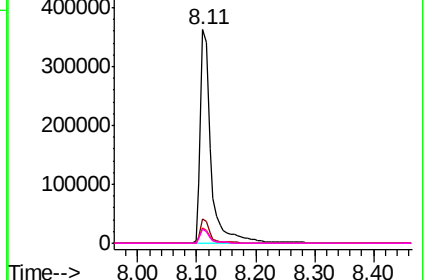
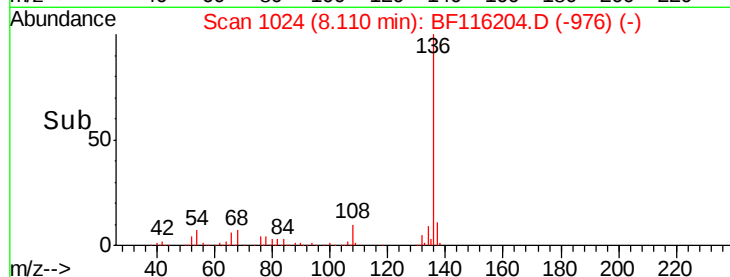


Abundance Ion 136.00 (135.70 to 136.70): E

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: 101.562 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF116204.D

Acq: 12 Aug 2019 22:20

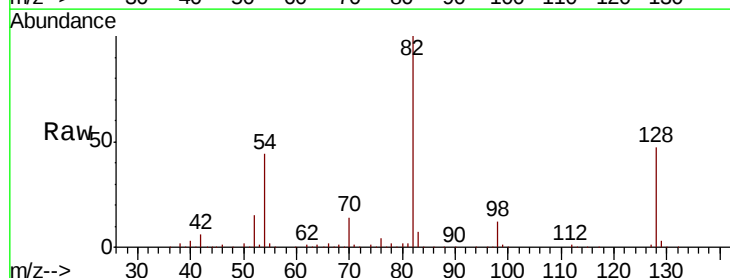
Tgt Ion: 82 Resp: 797017

Ion Ratio Lower Upper

82 100

128 46.9 36.5 54.7

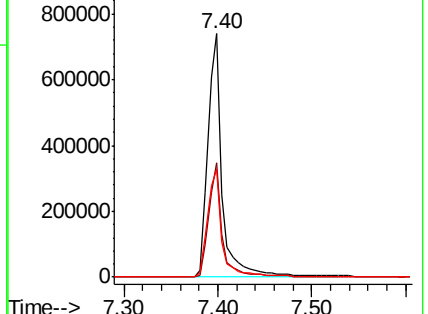
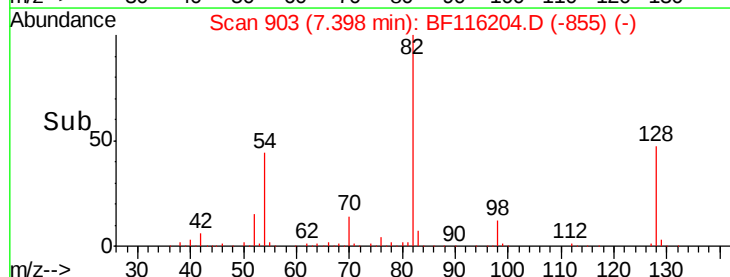
54 44.2 36.0 54.0



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: 53.113 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF116204.D

Acq: 12 Aug 2019 22:20

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SU-04-080919-B

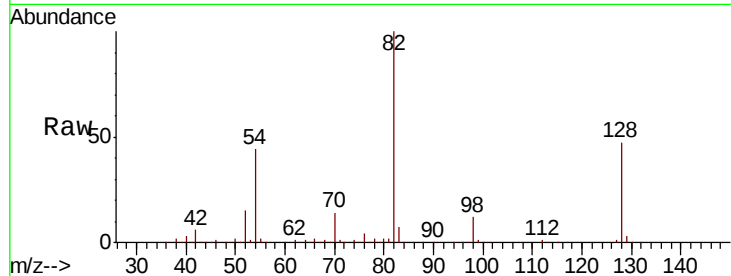
Tot Ion: 82 Resp: 797010

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

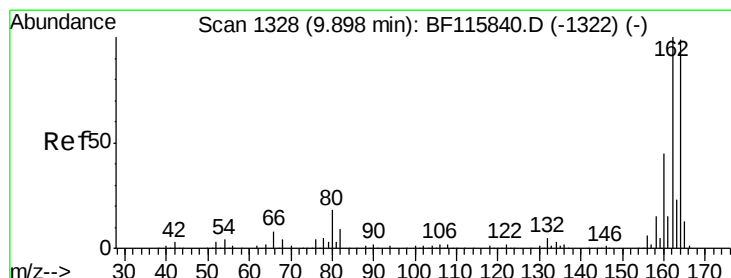
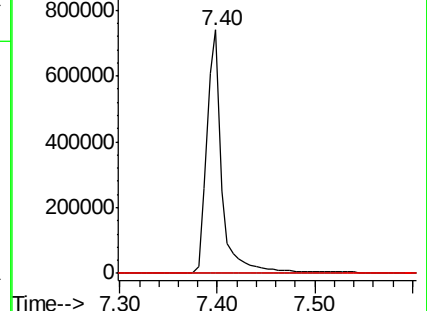
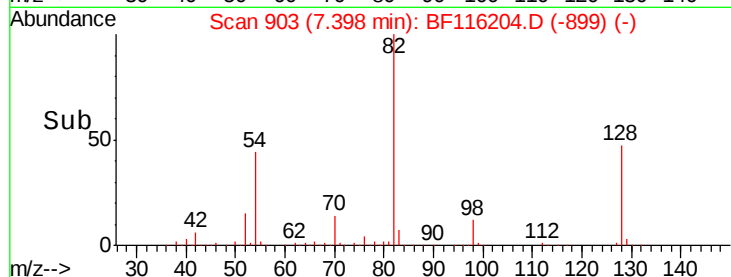
138 0.0 14.5 21.7#



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: BF116204.D

Acq: 12 Aug 2019 22:20

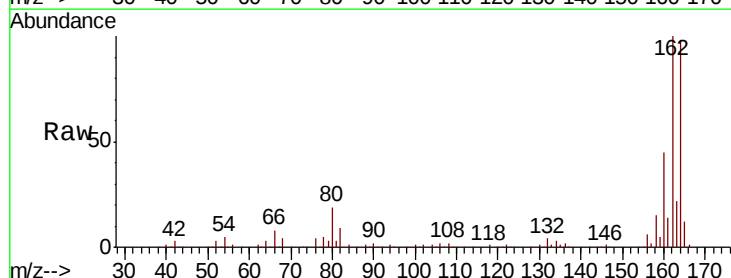
Tgt Ion: 164 Resp: 251272

Ion Ratio Lower Upper

164 100

162 102.2 82.6 124.0

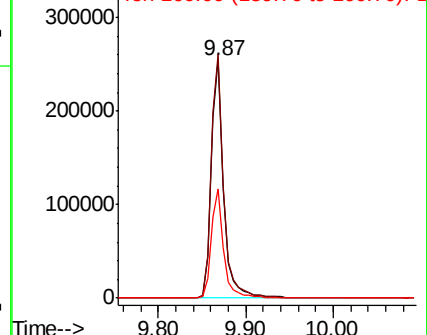
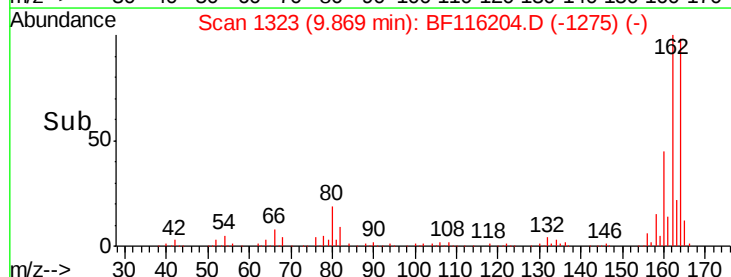
160 46.1 37.6 56.4



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: 158.713 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116204.D

Acq: 12 Aug 2019 22:20

Instrument :

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ClientSampleId :

SU-04-080919-B

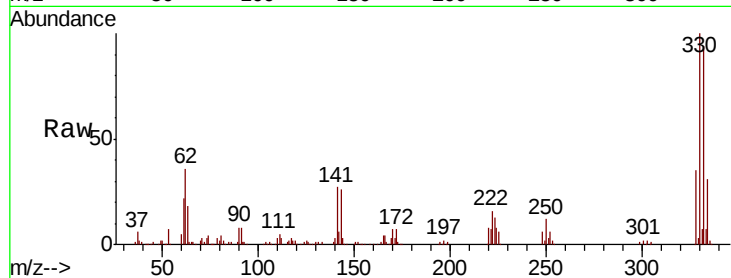
Tot Ion:330 Resp: 386649

Ion Ratio Lower Upper

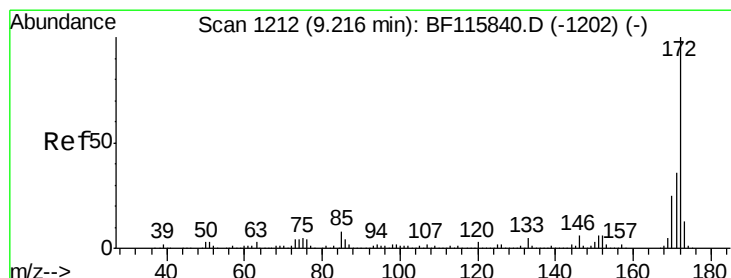
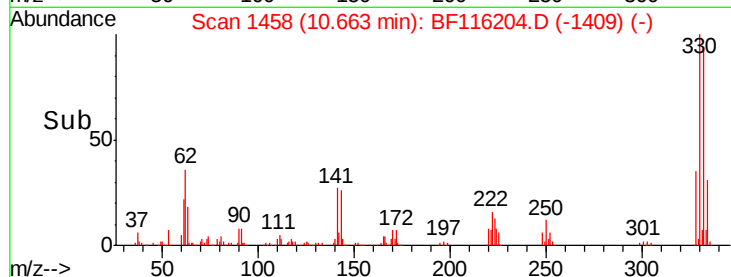
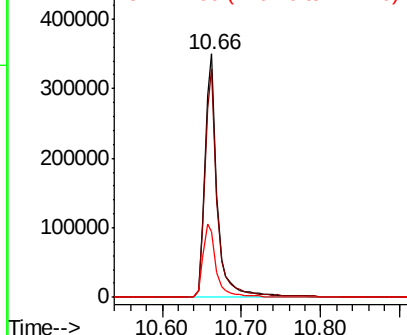
330 100

332 95.6 76.8 115.2

141 33.2 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: 104.872 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BF116204.D

Acq: 12 Aug 2019 22:20

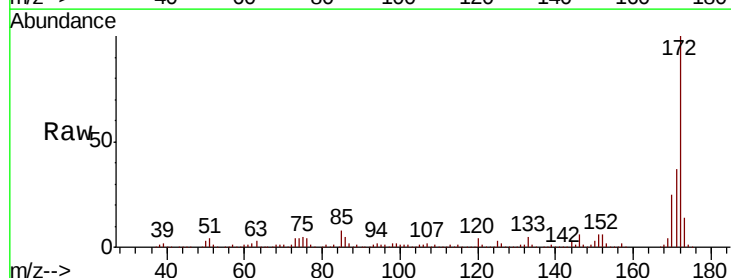
Tgt Ion:172 Resp: 1406854

Ion Ratio Lower Upper

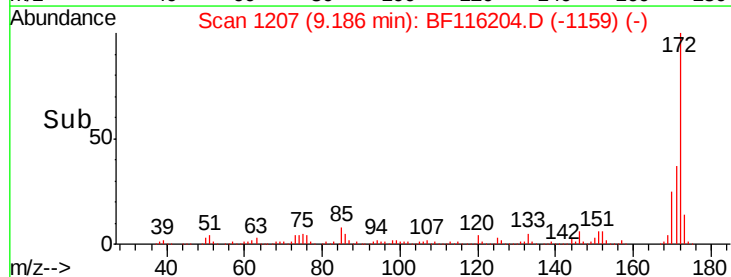
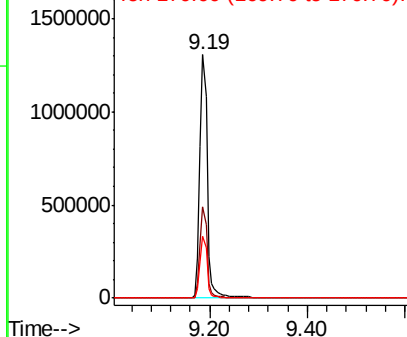
172 100

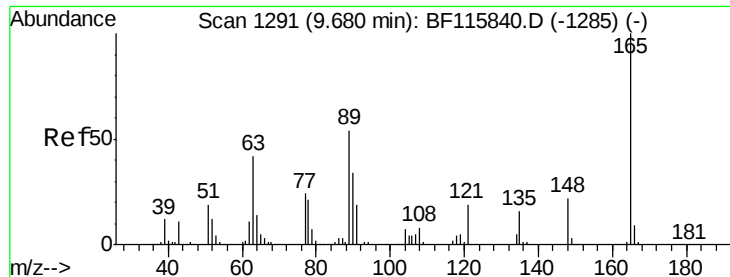
171 37.2 29.6 44.4

170 25.4 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

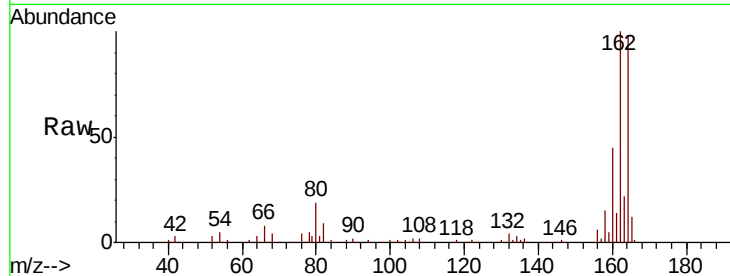




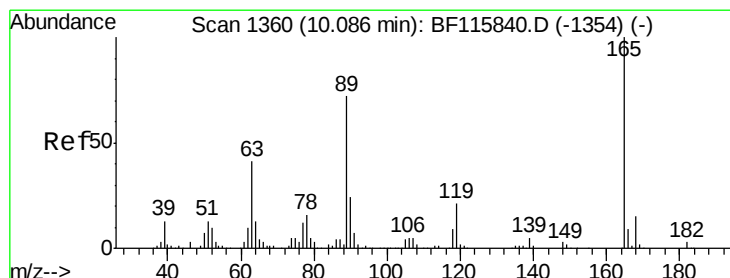
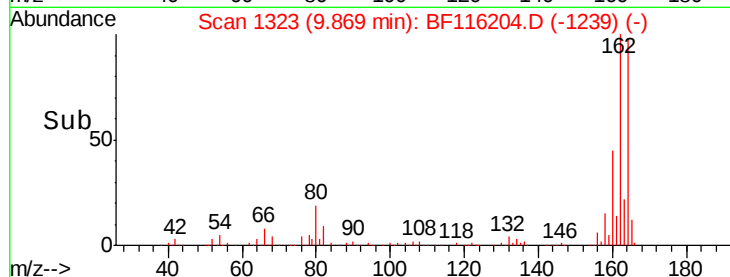
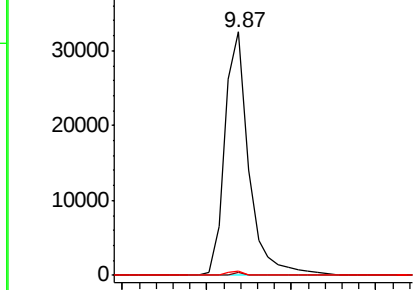
#51
 2,6-Dinitrotoluene
 Concen: 8.659 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.19 min
 Lab File: BF116204.D
 Acq: 12 Aug 2019 22:20

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-080919-B

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	38.2	57.2#
89	1.7	42.9	64.3#



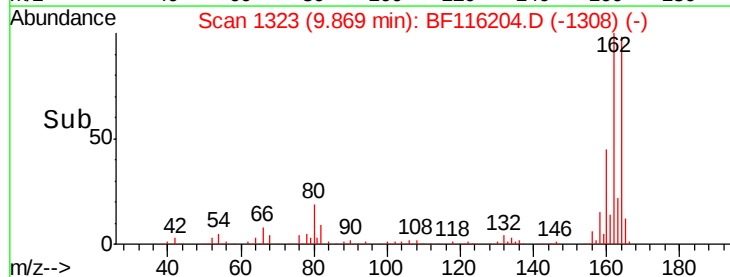
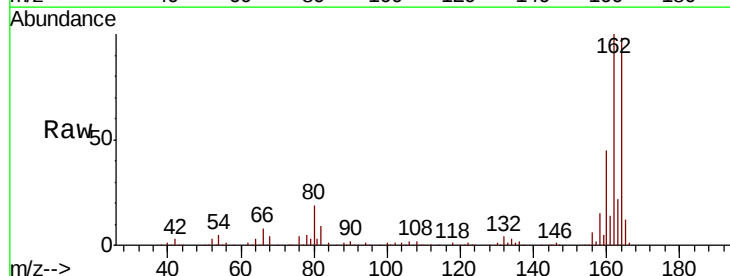
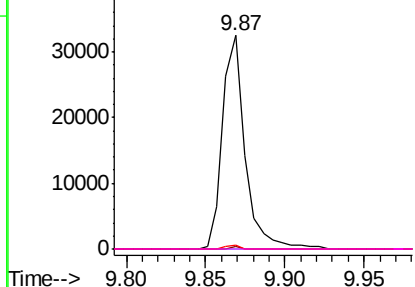
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1



#57
 2,4-Dinitrotoluene
 Concen: 6.504 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116204.D
 Acq: 12 Aug 2019 22:20

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	39.6	59.4#
89	1.7	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

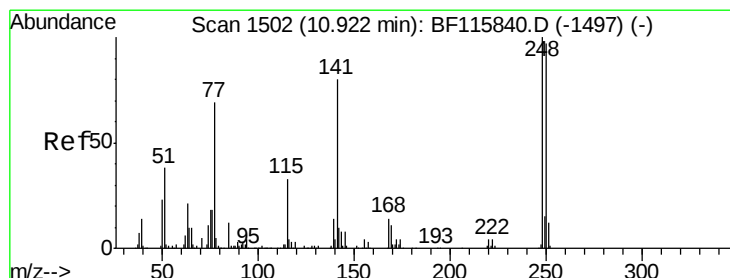
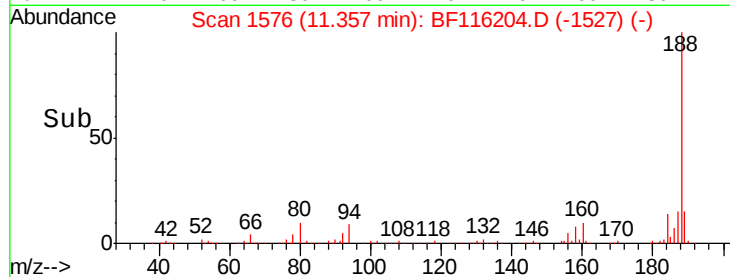
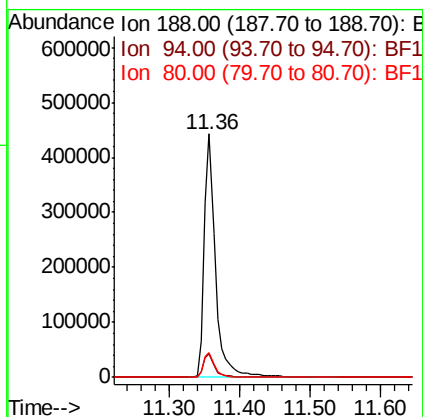
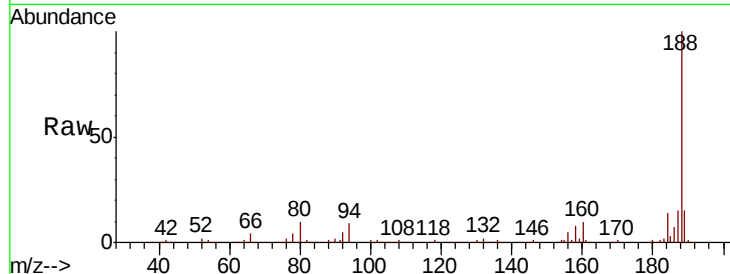




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116204.D
 Acq: 12 Aug 2019 22:20

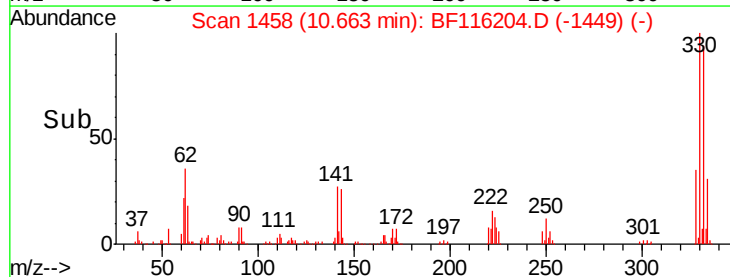
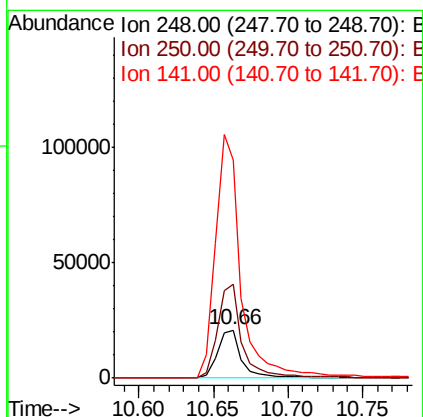
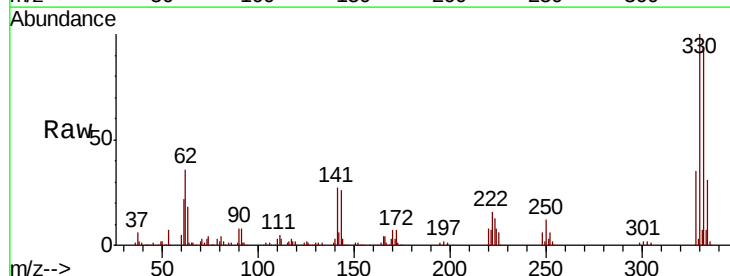
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-080919-B

Tot Ion:188	Resp:	489008
Ion Ratio	Lower	Upper
188	100	
94	9.4	8.1 12.1
80	10.2	8.7 13.1



#67
 4-Bromophenyl-phenylether
 Concen: 4.544 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116204.D
 Acq: 12 Aug 2019 22:20

Tgt Ion:248	Resp:	23789
Ion Ratio	Lower	Upper
248	100	
250	196.1	77.4 116.2#
141	456.1	56.8 85.2#

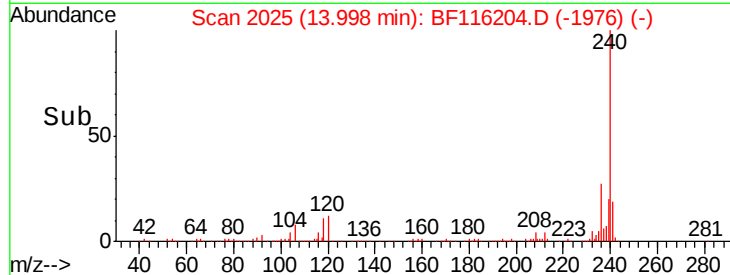
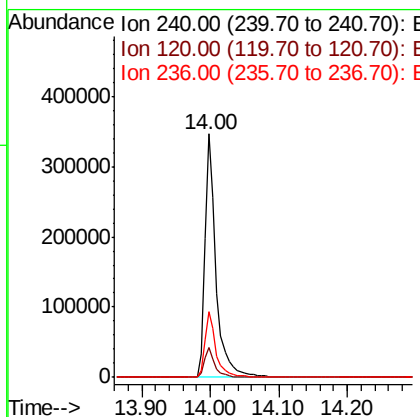
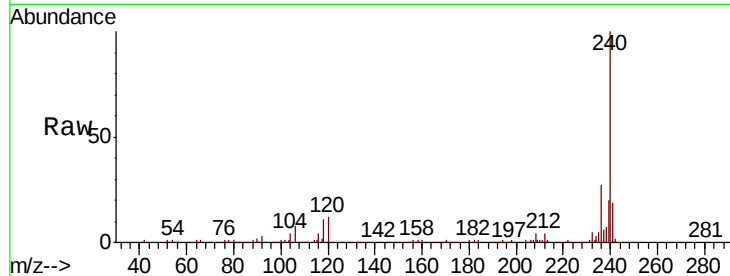




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF116204.D
 Acq: 12 Aug 2019 22:20

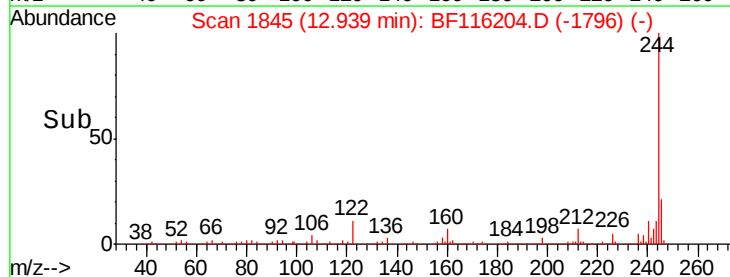
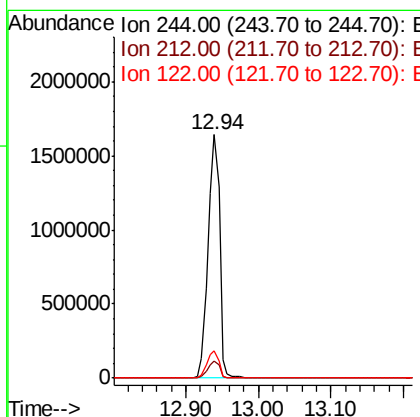
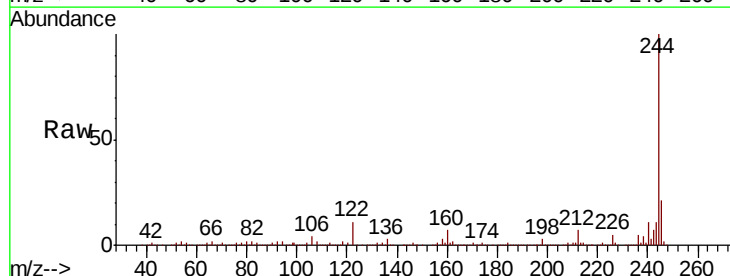
Instrument :
 BNA_F
 ClientSampleID :
 SU-04-080919-B

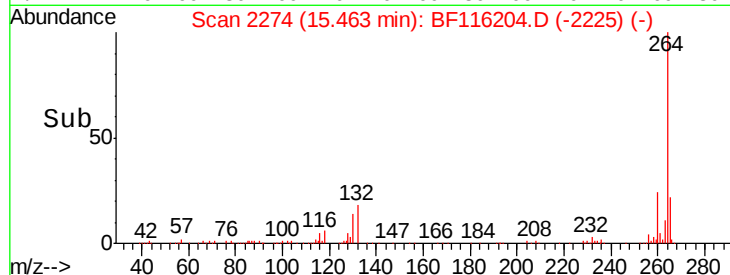
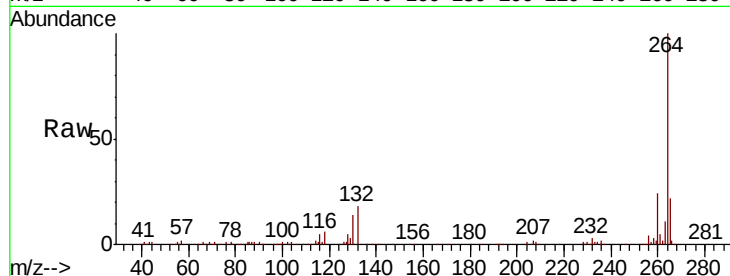
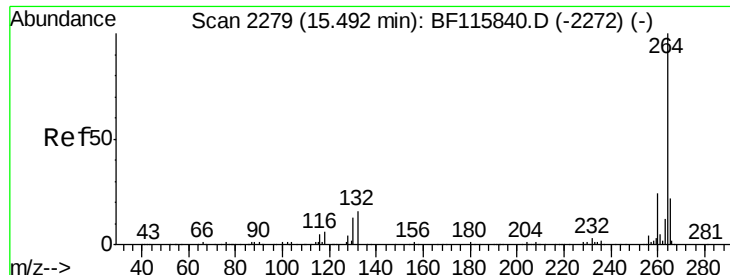
Tot Ion:240 Resp: 400411
 Ion Ratio Lower Upper
 240 100
 120 12.1 10.7 16.1
 236 27.1 22.2 33.2



#79
 Terphenyl-d14
 Concen: 95.795 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF116204.D
 Acq: 12 Aug 2019 22:20

Tgt Ion:244 Resp: 1820326
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 11.0 9.0 13.4





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. -0.01 min
 Lab File: BF116204.D
 Acq: 12 Aug 2019 22:20

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-080919-B

Tot Ion:	264	Resp:	363289
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.7	29.5
265	21.8	17.4	26.0

